

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059776.D
 Acq On : 20 Jan 2020 10:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 11:00:54 AM

Quant Time: Jan 21 01:24:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	298330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	106228	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	7.56	113	91376	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
50) Toluene-d8	10.08	98	347813	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	127223	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	117832	50.443	ug/l	99
3) Chloromethane	2.03	50	109654	48.337	ug/l	99
4) Vinyl Chloride	2.17	62	137050	52.801	ug/l	98
5) Bromomethane	2.53	94	82612	52.153	ug/l	100
6) Chloroethane	2.68	64	62749	51.099	ug/l	97
7) Trichlorofluoromethane	3.00	101	159809	51.267	ug/l	98
8) Diethyl Ether	3.38	74	55856	51.059	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.73	101	93655	53.983	ug/l	92
10) Methyl Iodide	3.93	142	141798	50.565	ug/l	95
11) Tert butyl alcohol	4.73	59	86425	233.304	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	89825	49.549	ug/l	88
13) Acrolein	3.58	56	70078	267.242	ug/l	97
14) Allyl chloride	4.29	41	122504	50.135	ug/l #	85
15) Acrylonitrile	4.94	53	206564	244.454	ug/l	100
16) Acetone	3.78	43	228182	306.285	ug/l	96
17) Carbon Disulfide	4.03	76	248316	48.084	ug/l	99
18) Methyl Acetate	4.28	43	122988	47.849	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	298596	50.518	ug/l	95
20) Methylene Chloride	4.52	84	99764	50.114	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	96701	50.181	ug/l	90
22) Diisopropyl ether	5.91	45	273922	49.467	ug/l	96
23) Vinyl Acetate	5.86	43	1063071	247.957	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	169777	50.178	ug/l	96
25) 2-Butanone	6.80	43	307636	246.875	ug/l	90
26) 2,2-Dichloropropane	6.79	77	163963	50.406	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	112062	50.560	ug/l	88
28) Bromochloromethane	7.17	49	60935	45.059	ug/l #	74
29) Tetrahydrofuran	7.18	42	175254	227.308	ug/l #	87
30) Chloroform	7.35	83	177326	50.582	ug/l	99
31) Cyclohexane	7.63	56	150478	46.219	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	165834	51.161	ug/l	95
36) 1,1-Dichloropropene	7.77	75	133800	51.502	ug/l	95
37) Ethyl Acetate	6.89	43	112985	46.369	ug/l	96
38) Carbon Tetrachloride	7.75	117	148874	52.679	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	165822	51.765	ug/l	91
40) Benzene	8.02	78	398245	51.399	ug/l	100
41) Methacrylonitrile	7.15	41	54408m	45.333	ug/l	
42) 1,2-Dichloroethane	8.10	62	136793	52.072	ug/l	96
43) Isopropyl Acetate	8.14	43	200229	47.774	ug/l #	94
44) Trichloroethene	8.82	130	115727	54.713	ug/l	93
45) 1,2-Dichloropropane	9.10	63	99685	51.993	ug/l	99
46) Dibromomethane	9.19	93	70594	52.197	ug/l	91
47) Bromodichloromethane	9.39	83	144502	53.020	ug/l	98
48) Methyl methacrylate	9.18	41	89661	47.827	ug/l	91
49) 1,4-Dioxane	9.18	88	37611	1095.924	ug/l	88
51) 4-Methyl-2-Pentanone	9.97	43	574352	237.063	ug/l	95
52) Toluene	10.14	92	254245	51.950	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	163072	53.586	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	172425	53.850	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	101570	52.401	ug/l	96
56) Ethyl methacrylate	10.42	69	147118	49.672	ug/l	92
57) 1,3-Dichloropropane	10.70	76	163937	53.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	210888	236.397	ug/l	91
59) 2-Hexanone	10.74	43	452315	253.416	ug/l	94
60) Dibromochloromethane	10.89	129	121257	54.935	ug/l	100
61) 1,2-Dibromoethane	10.99	107	106626	52.484	ug/l	99
64) Tetrachloroethene	10.62	164	114495	51.512	ug/l	95
65) Chlorobenzene	11.43	112	280795	52.383	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	109928	53.073	ug/l	99
67) Ethyl Benzene	11.50	91	501858	51.574	ug/l	97
68) m/p-Xylenes	11.62	106	385736	104.941	ug/l	94
69) o-Xylene	11.94	106	186722	51.888	ug/l	94
70) Styrene	11.96	104	313465	52.056	ug/l	97
71) Bromoform	12.12	173	91150	54.939	ug/l #	99
73) Isopropylbenzene	12.25	105	504091	50.161	ug/l	99
74) N-amyl acetate	12.06	43	178852	45.866	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	139254	47.799	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123473m	53.544	ug/l	
77) Bromobenzene	12.52	156	127701	50.179	ug/l	82
78) n-propylbenzene	12.59	91	572710	50.775	ug/l	97
79) 2-Chlorotoluene	12.67	91	330974	49.324	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	426534	50.468	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	51857	48.293	ug/l	94
82) 4-Chlorotoluene	12.77	91	344366	51.166	ug/l	95
83) tert-Butylbenzene	12.99	119	365398	49.989	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	426780	51.043	ug/l	97
85) sec-Butylbenzene	13.17	105	490855	51.112	ug/l	99
86) p-Isopropyltoluene	13.28	119	456375	51.358	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	233840	52.898	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	232505	52.722	ug/l	97
89) n-Butylbenzene	13.61	91	402042	53.063	ug/l	98
90) Hexachloroethane	13.87	117	84575	50.869	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	227967	52.163	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30615	48.914	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	151101	57.540	ug/l	98
94) Hexachlorobutadiene	15.01	225	77314	53.427	ug/l	99
95) Naphthalene	15.13	128	397754	53.251	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	143870	56.285	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

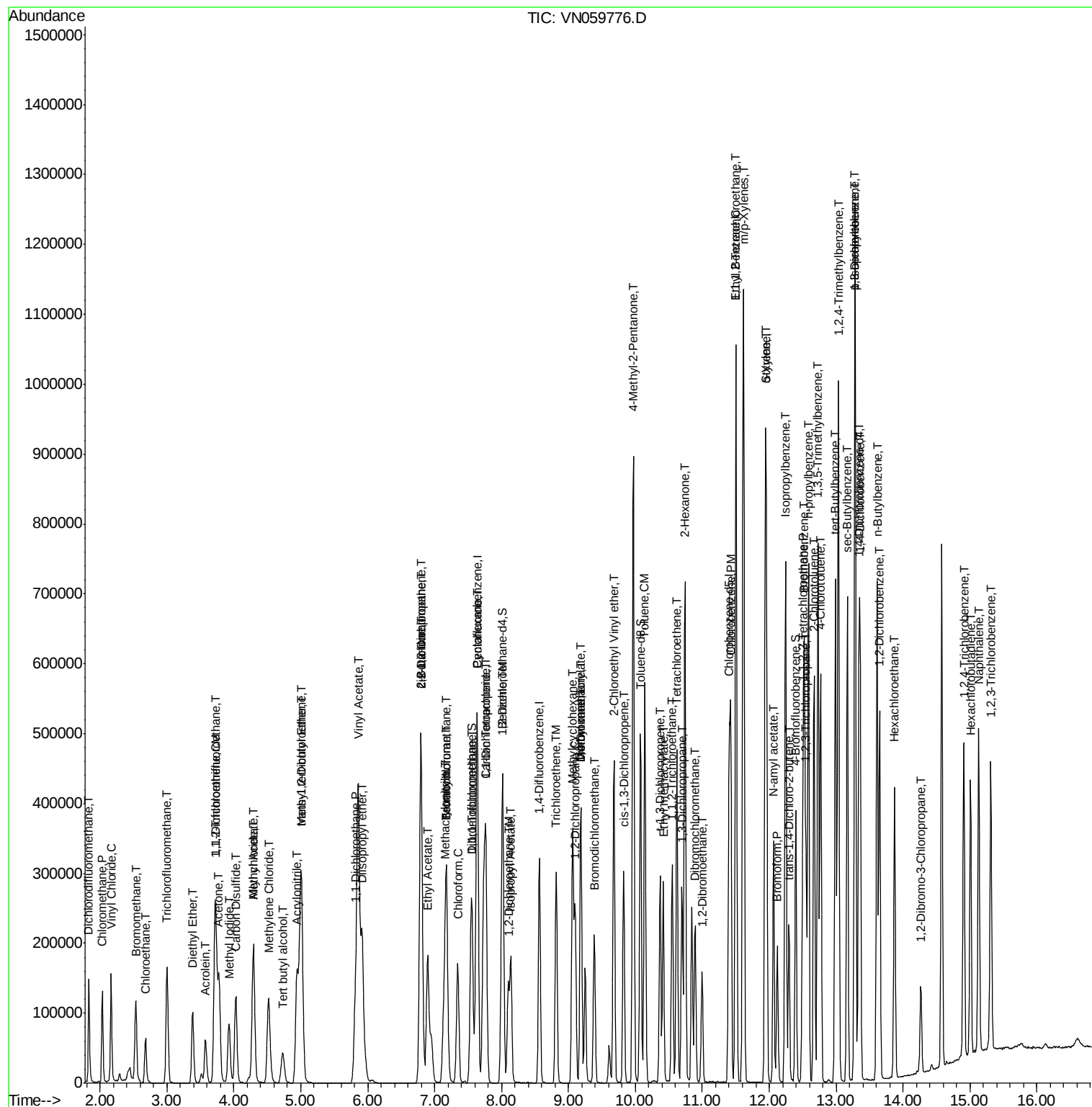
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
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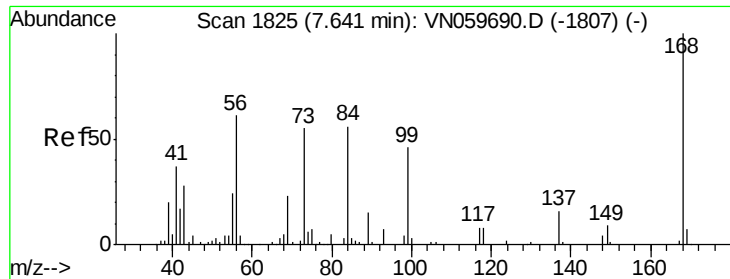
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 198148

Ion Ratio Lower Upper

168 100

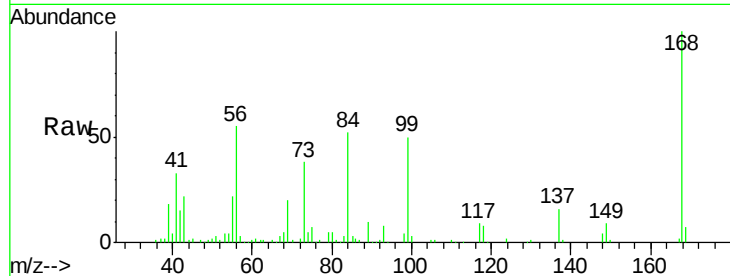
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Manual Integrations

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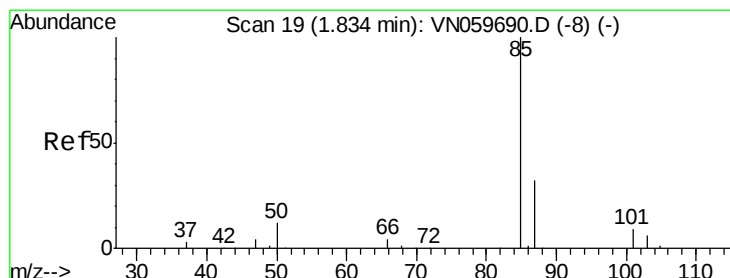
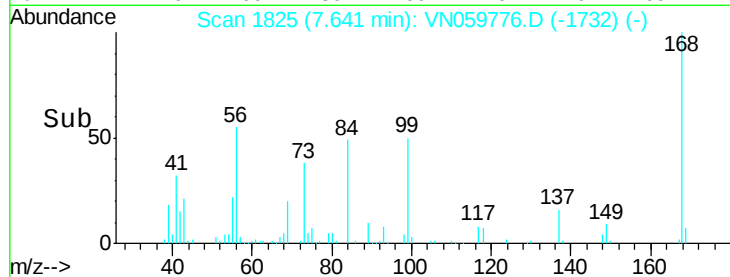
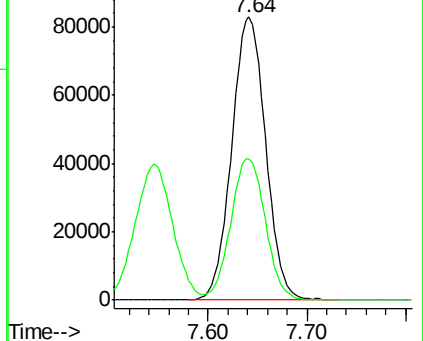
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1/21/2020 11:00:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.443 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059776.D

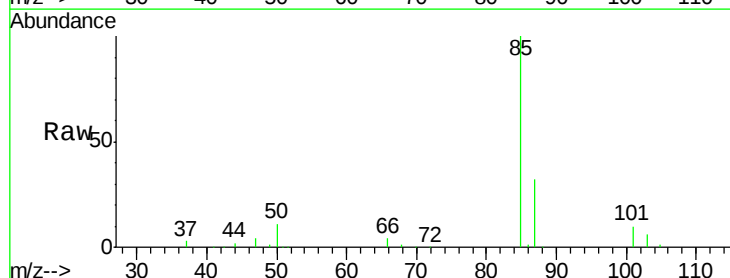
Acq: 20 Jan 2020 10:05

Tgt Ion: 85 Resp: 117832

Ion Ratio Lower Upper

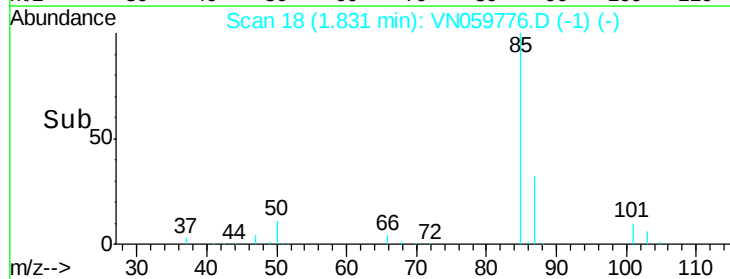
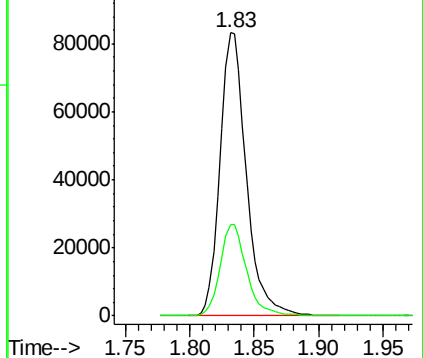
85 100

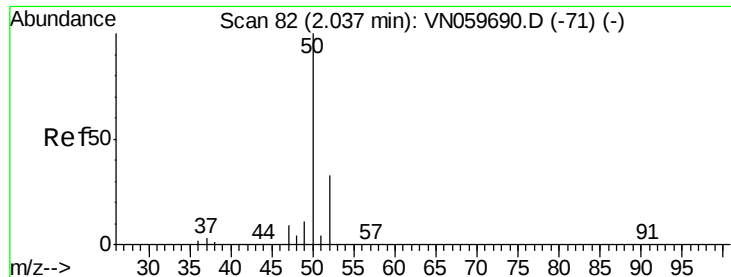
87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.337 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109654

Ion Ratio Lower Upper

50 100

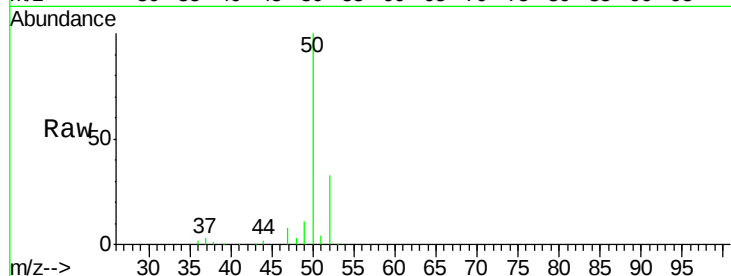
52 32.8 25.9 38.9

Manual Integrations

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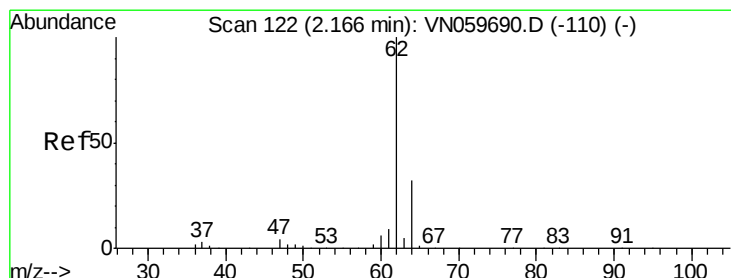
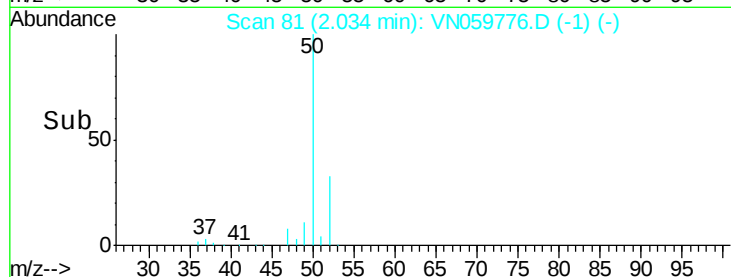
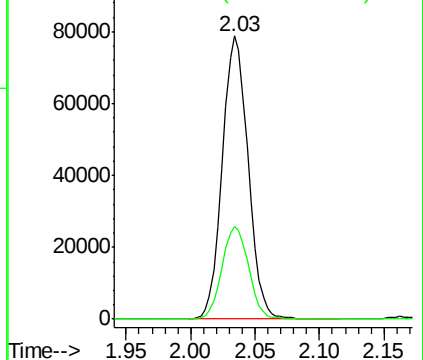
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1/21/2020 11:00:54 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 52.801 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059776.D

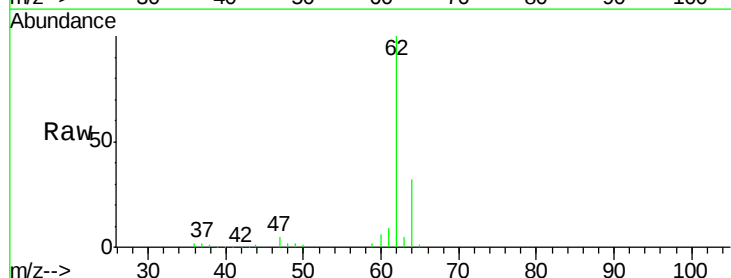
Acq: 20 Jan 2020 10:05

Tgt Ion: 62 Resp: 137050

Ion Ratio Lower Upper

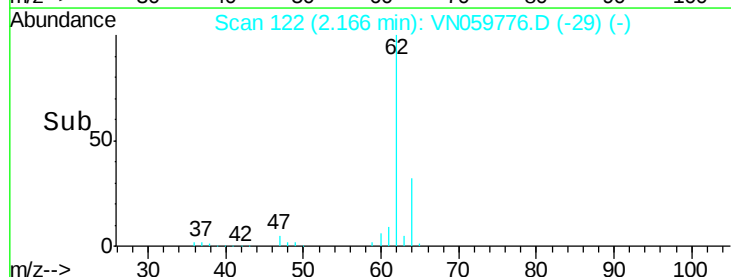
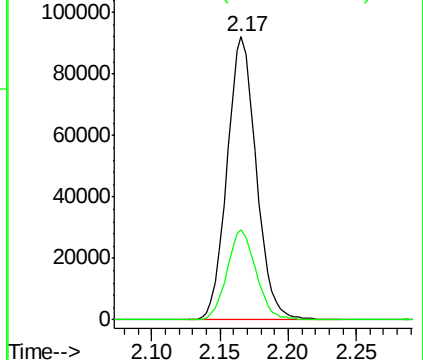
62 100

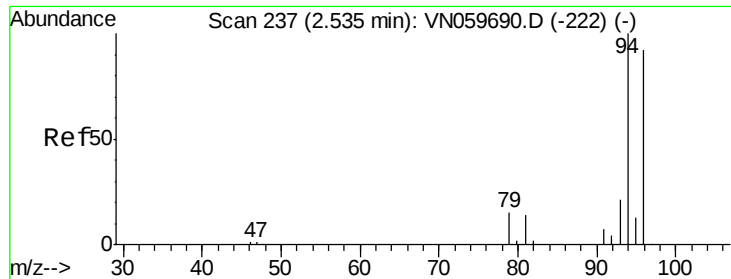
64 31.7 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 52.153 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

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Tot Ion: 94 Resp: 82612

Ion Ratio Lower Upper

94 100

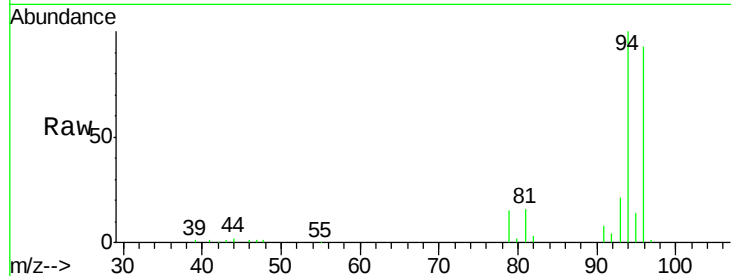
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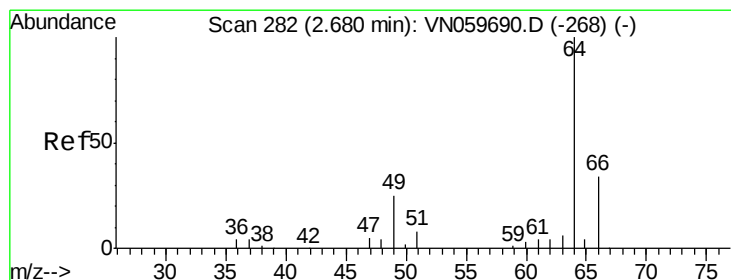
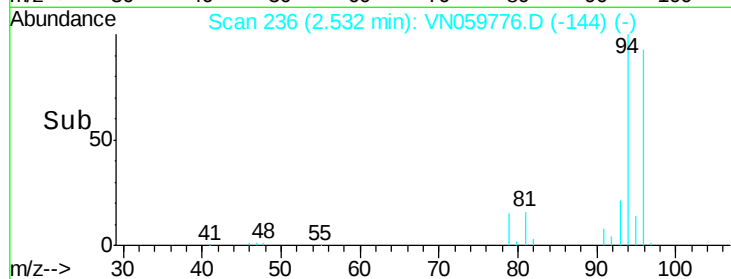
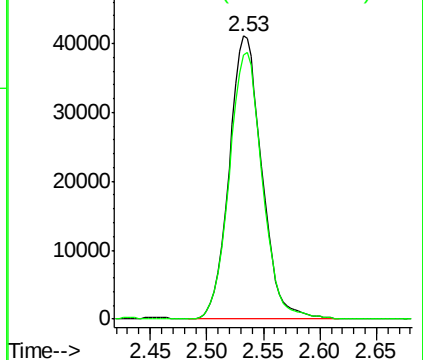
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1/21/2020 11:00:54 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 51.099 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059776.D

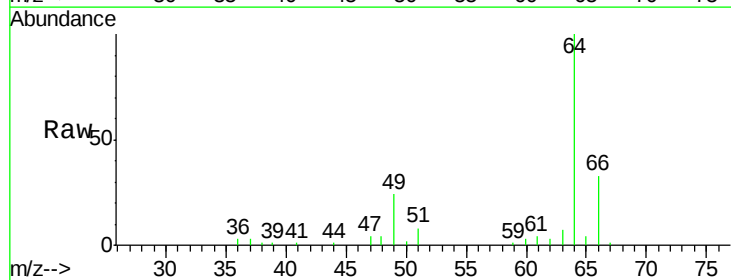
Acq: 20 Jan 2020 10:05

Tgt Ion: 64 Resp: 62749

Ion Ratio Lower Upper

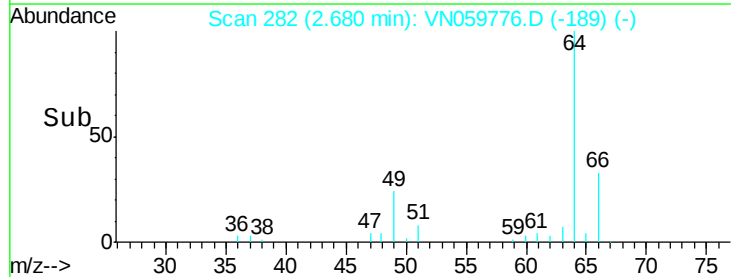
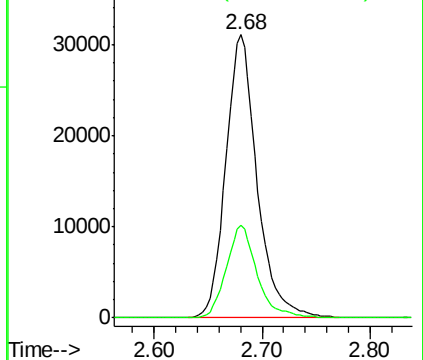
64 100

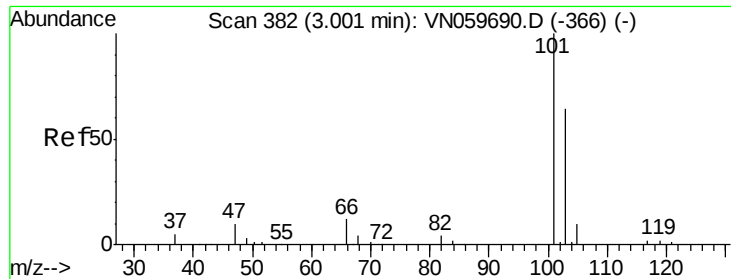
66 32.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

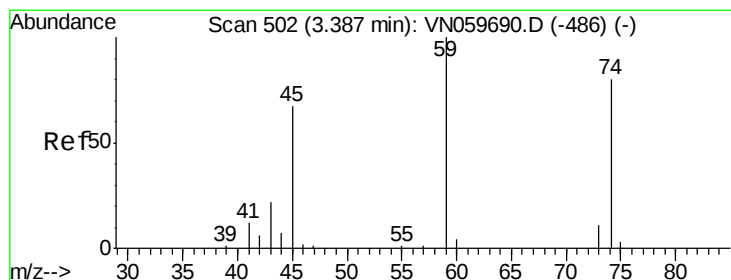
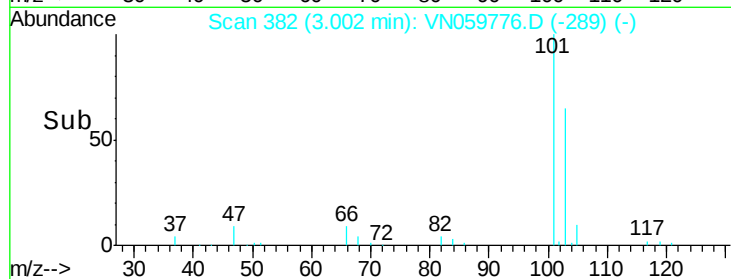
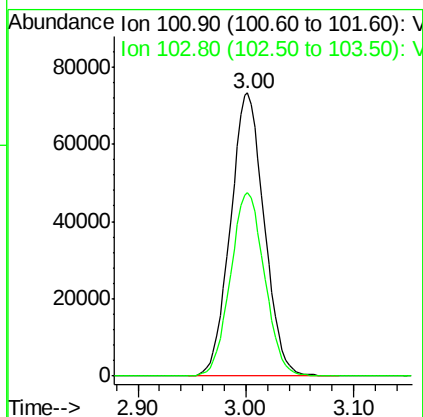
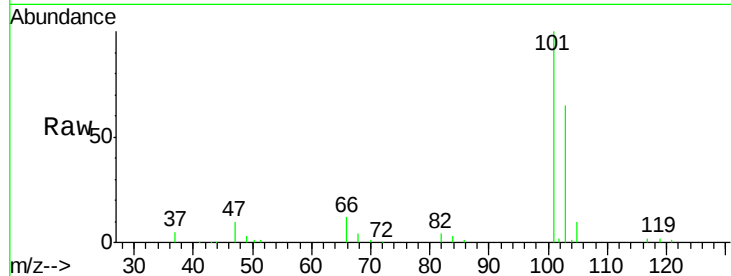
Trichlorofluoromethane
Concen: 51.267 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
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Tot Ion:101 Resp: 159809
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6

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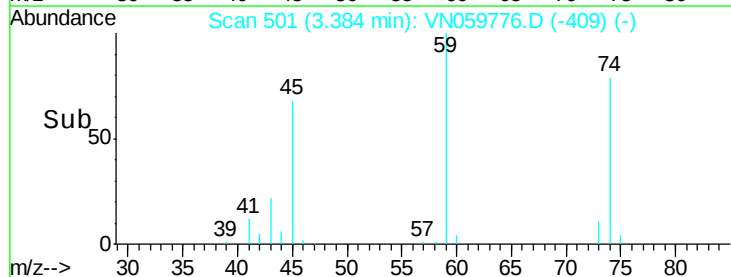
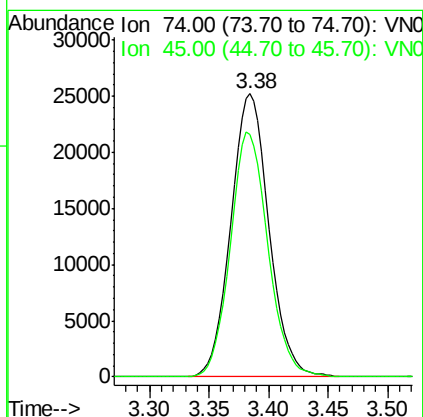
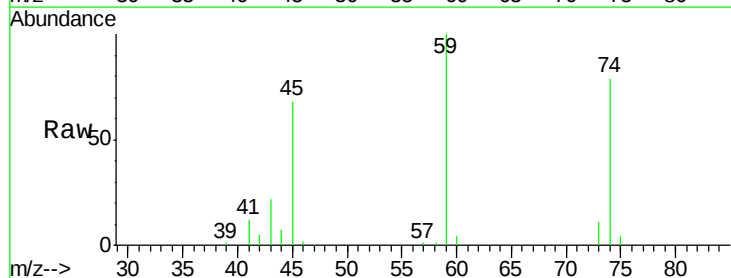
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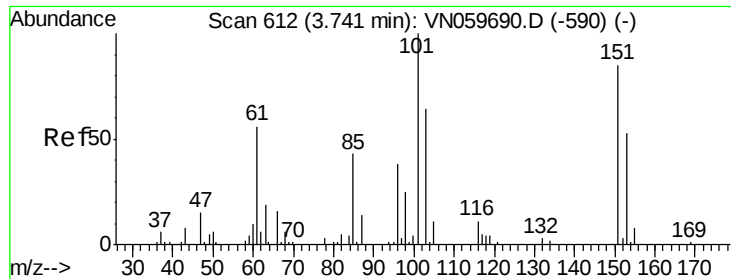


#8

Diethyl Ether
Concen: 51.059 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion: 74 Resp: 55856
Ion Ratio Lower Upper
74 100
45 85.5 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.983 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

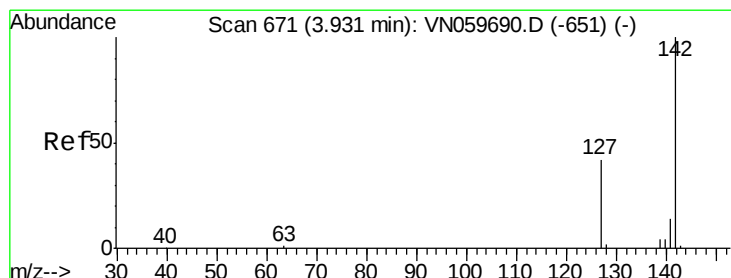
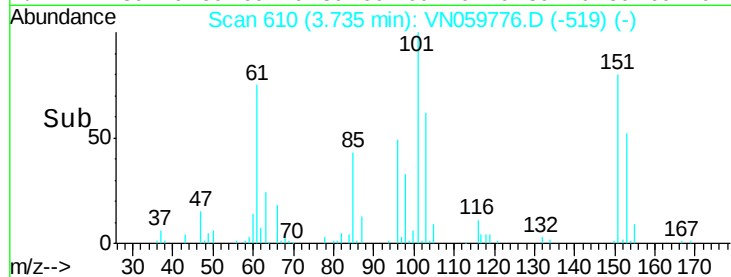
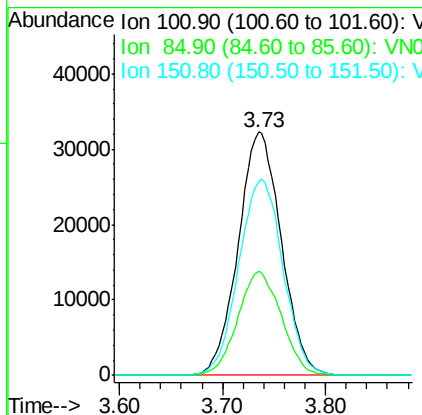
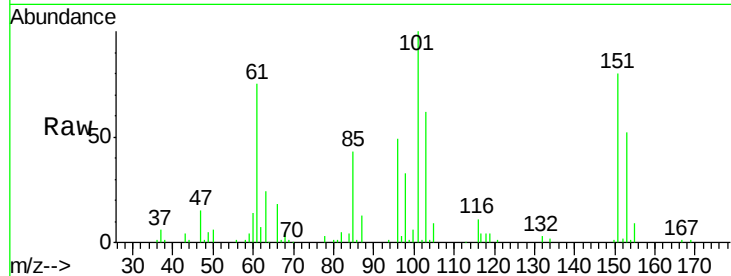
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	93655
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.6	54.8
151	82.9	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 50.565 ug/l

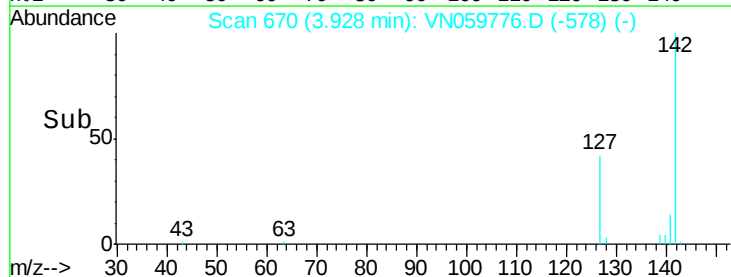
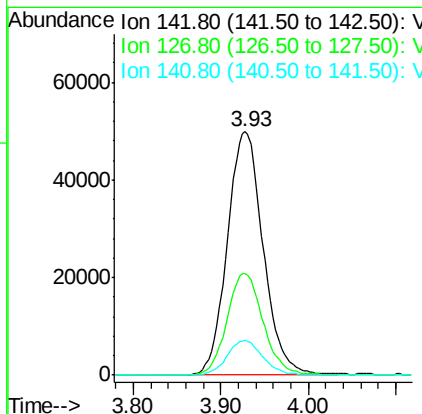
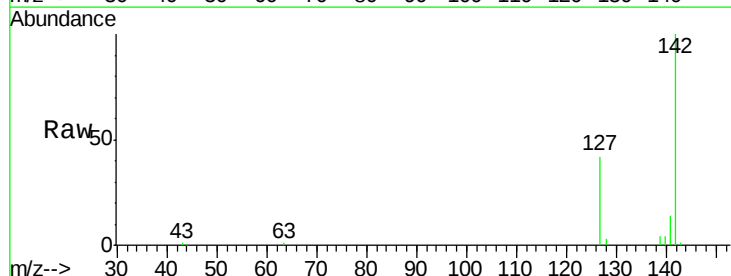
RT: 3.93 min Scan# 670

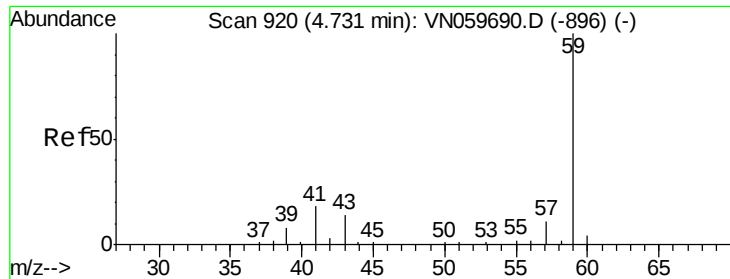
Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Tgt Ion:	142	Resp:	141798
Ion Ratio	Lower	Upper	
142	100		
127	42.1	36.7	55.1
141	14.1	11.7	17.5





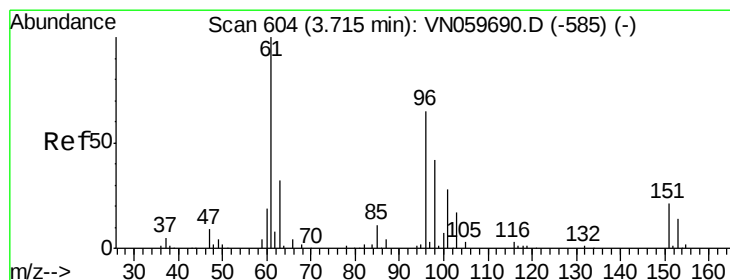
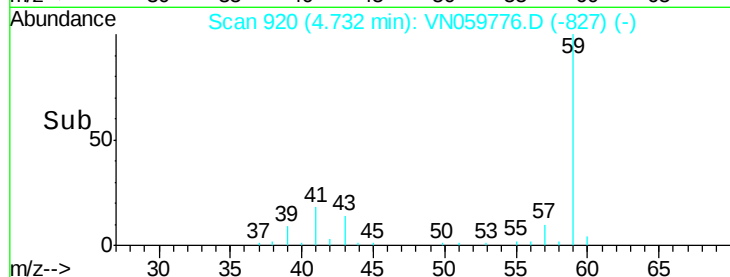
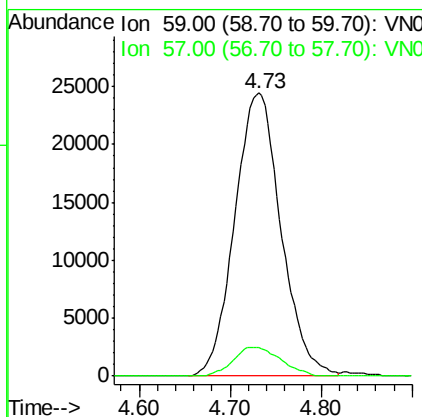
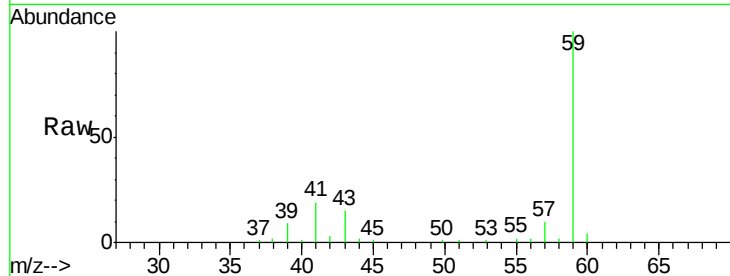
#11
Tert butyl alcohol
Concen: 233.304 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 59 Resp: 86425
Ion Ratio Lower Upper
59 100
57 4.7 8.6 12.8#

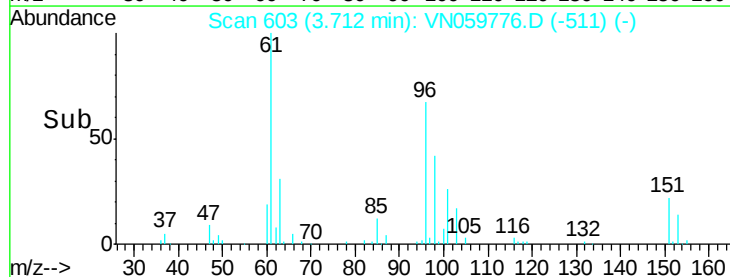
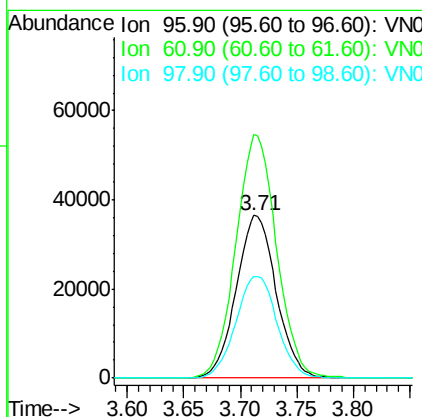
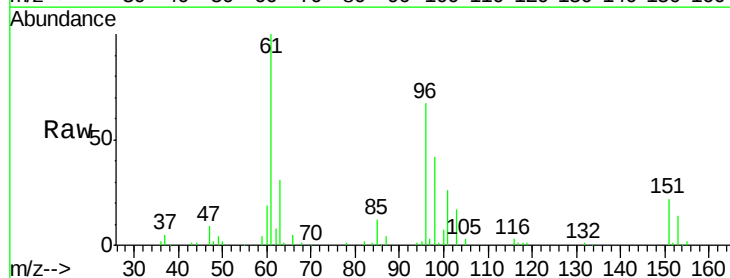
Manual Integrations
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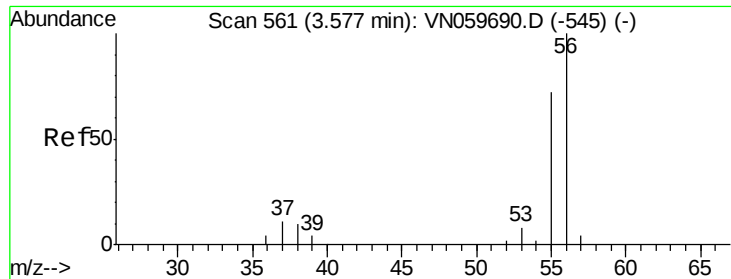
MMDadoda
1/21/2020 11:00:54 AM



#12
1,1-Dichloroethene
Concen: 49.549 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion: 96 Resp: 89825
Ion Ratio Lower Upper
96 100
61 149.9 137.5 206.3
98 62.6 50.2 75.4





#13

Acrolein

Concen: 267.242 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 70078

Ion Ratio Lower Upper

56 100

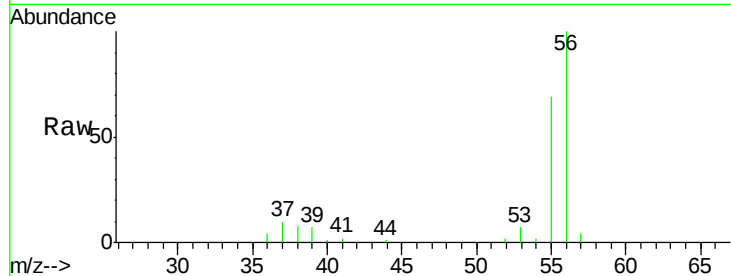
55 70.9 58.6 88.0

Manual Integrations

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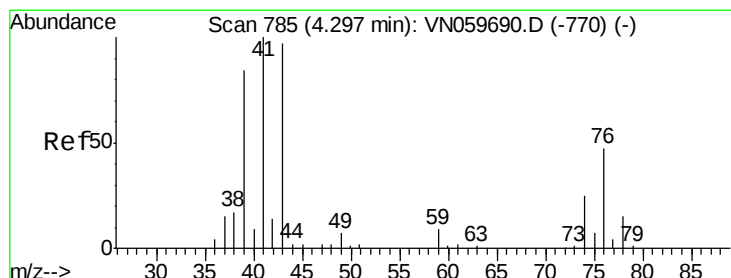
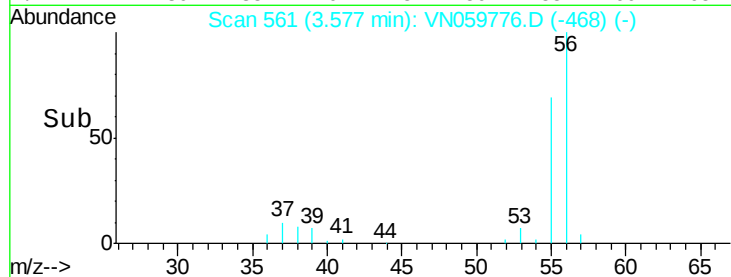
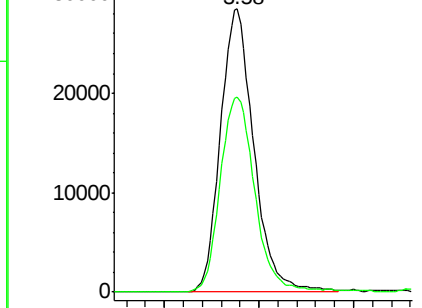
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.135 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

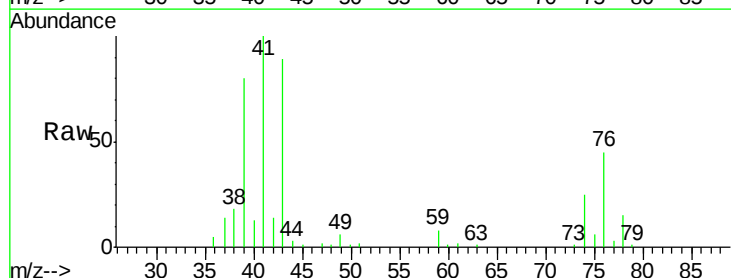
Tgt Ion: 41 Resp: 122504

Ion Ratio Lower Upper

41 100

39 82.3 57.8 86.8

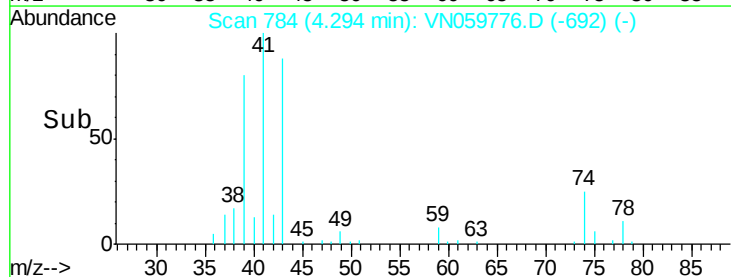
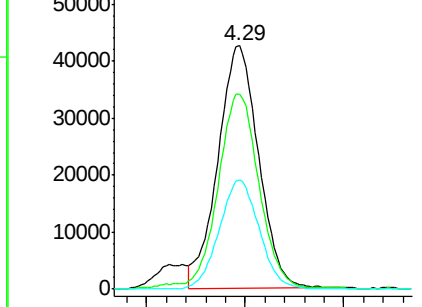
76 44.2 25.4 38.0#

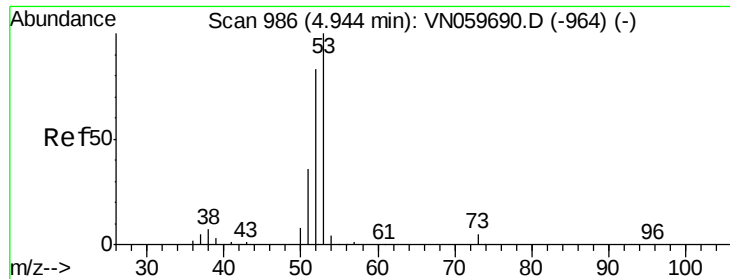


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 244.454 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

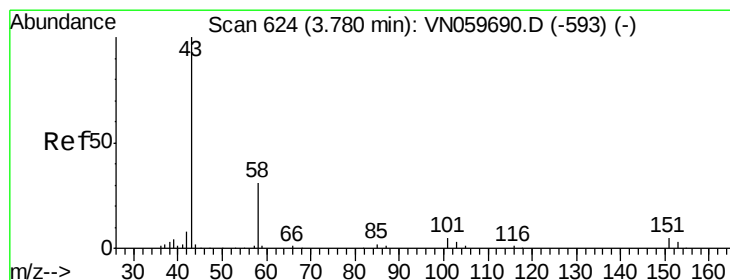
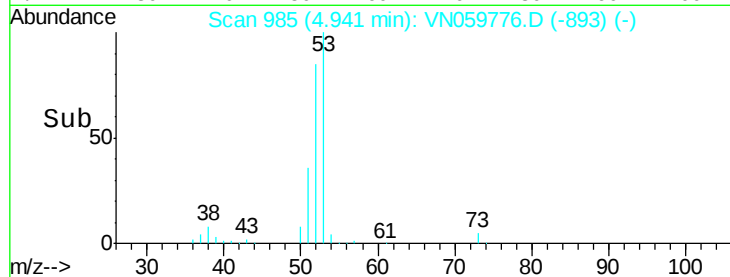
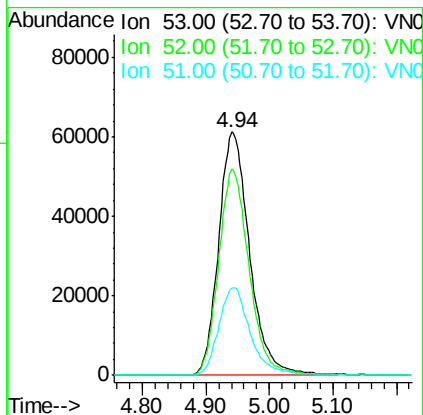
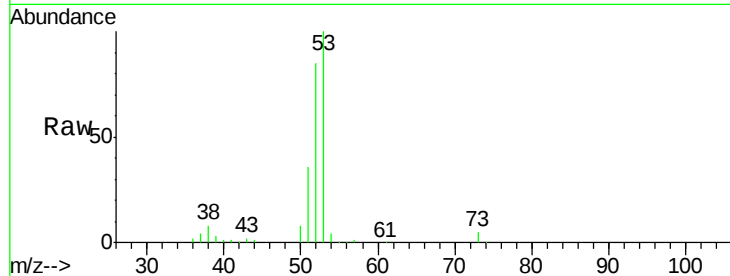
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	206564
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.3	99.5
51	37.0	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 306.285 ug/l

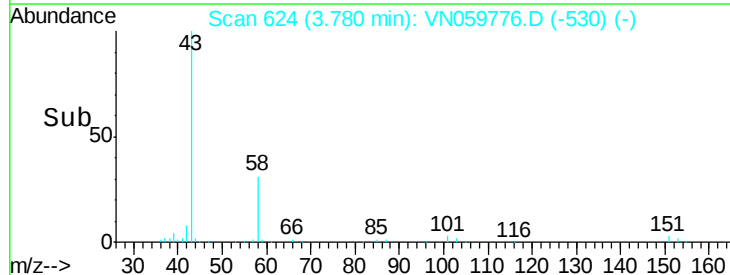
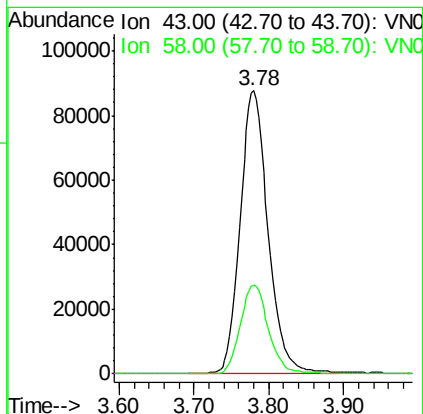
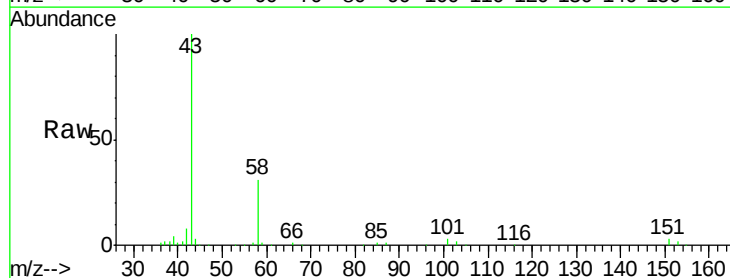
RT: 3.78 min Scan# 624

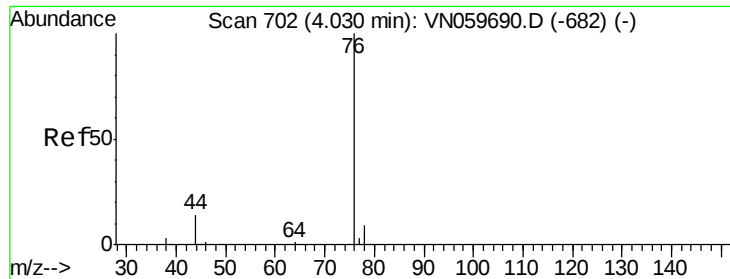
Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Tgt Ion:	43	Resp:	228182
Ion Ratio	Lower	Upper	
43	100		
58	31.4	23.6	35.4





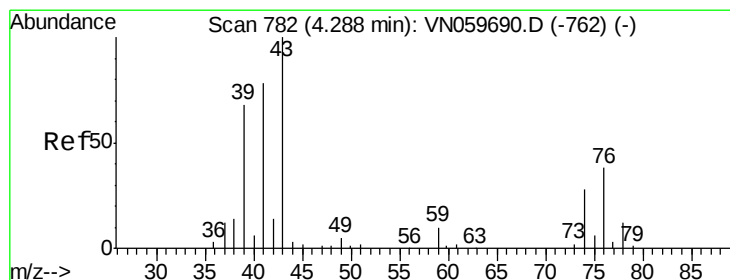
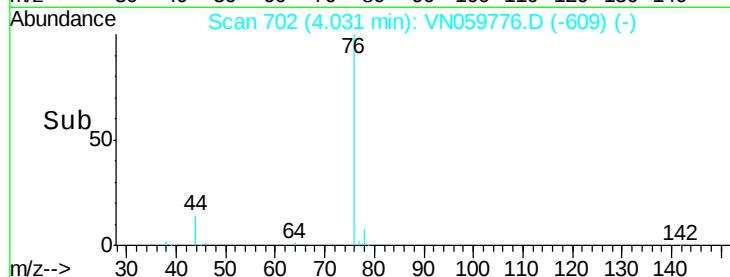
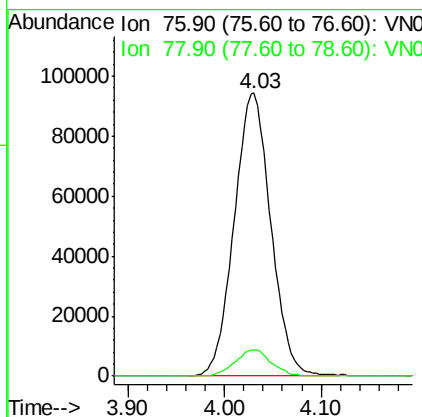
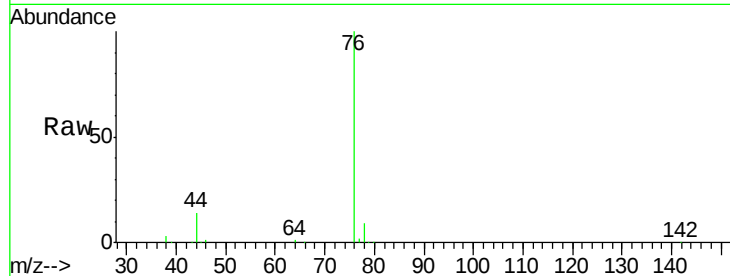
#17
Carbon Disulfide
Concen: 48.084 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

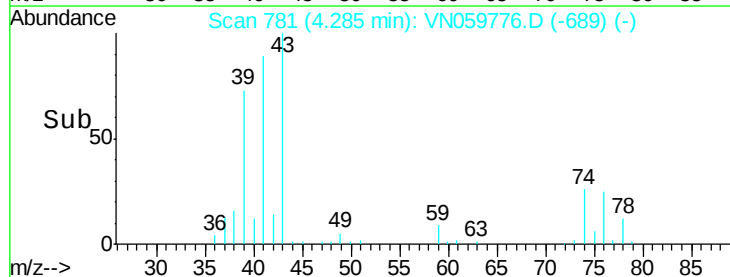
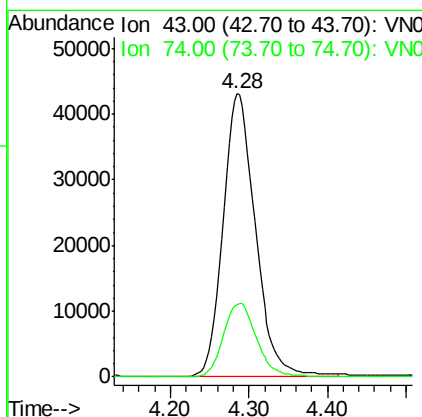
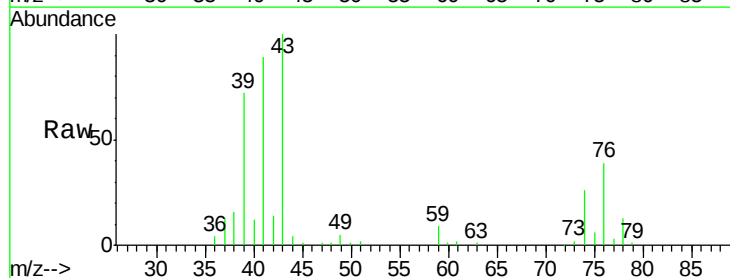
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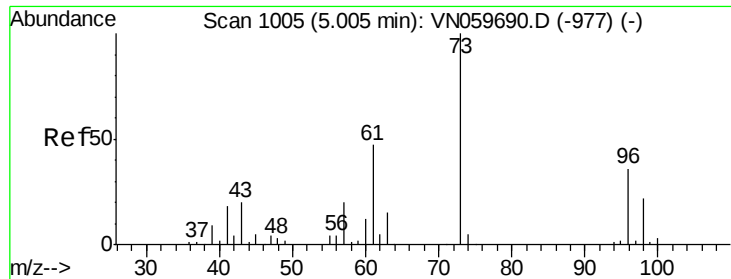
MMDadoda
1/21/2020 11:00:54 AM



#18
Methyl Acetate
Concen: 47.849 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	17.5	26.3#





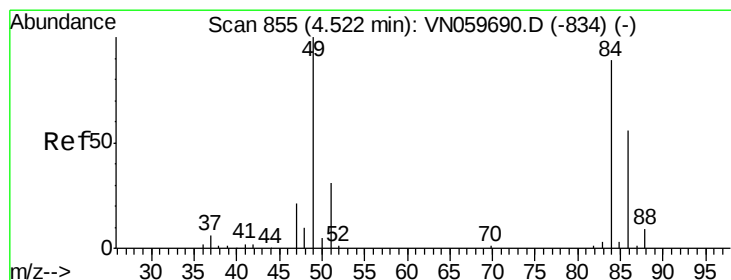
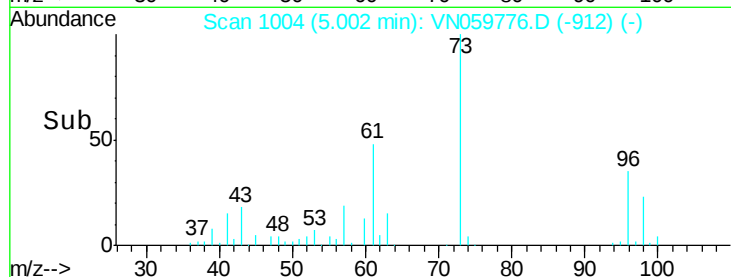
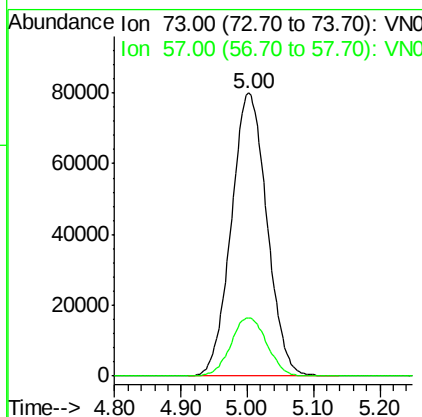
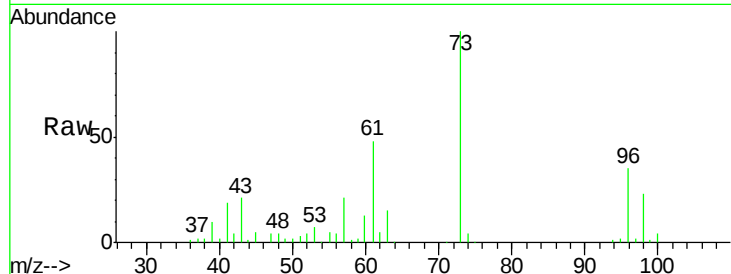
#19
Methvl tert-butvl Ether
Concen: 50.518 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 298596
Ion Ratio Lower Upper
73 100
57 20.5 18.6 27.8

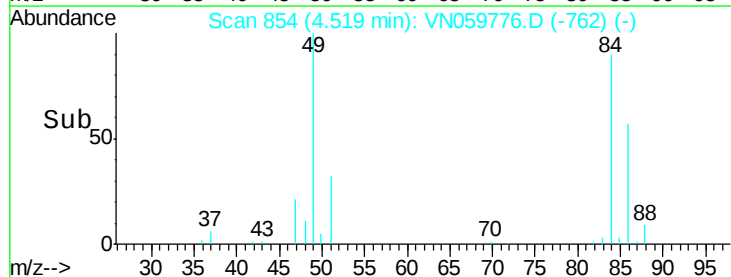
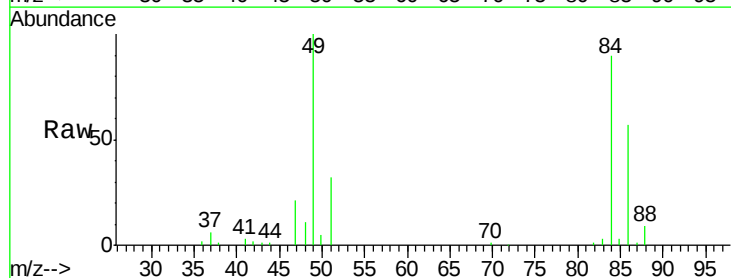
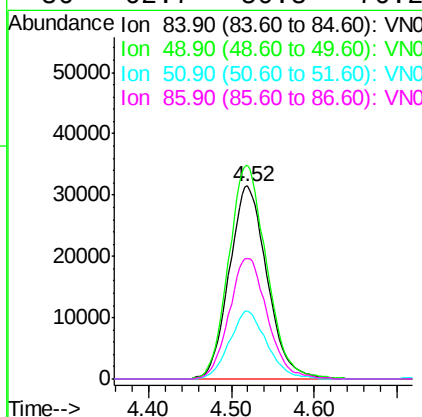
Manual Integrations
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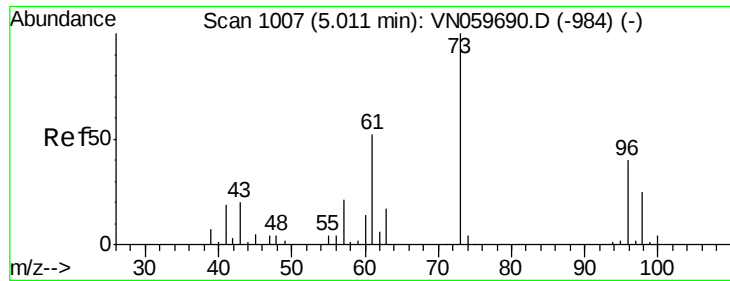
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#20
Methylene Chloride
Concen: 50.114 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion: 84 Resp: 99764
Ion Ratio Lower Upper
84 100
49 110.8 106.6 160.0
51 35.5 31.9 47.9
86 62.7 50.8 76.2





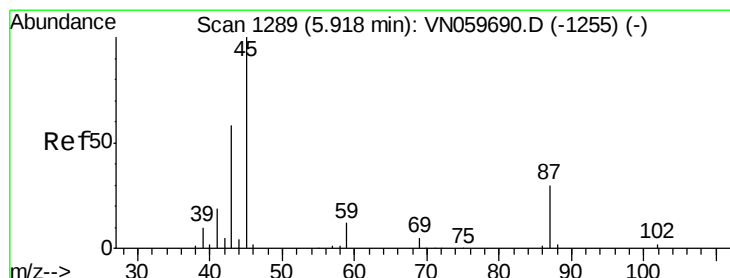
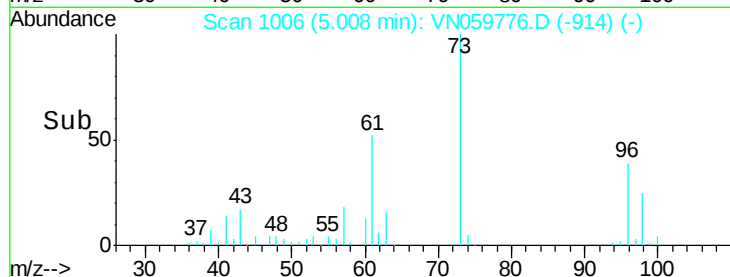
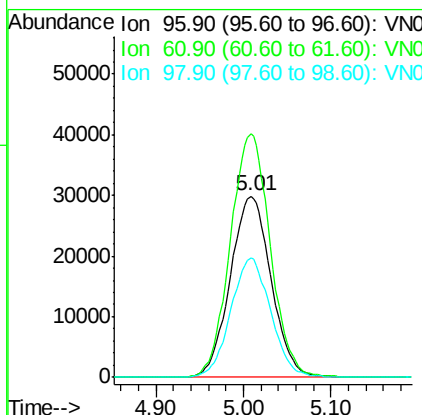
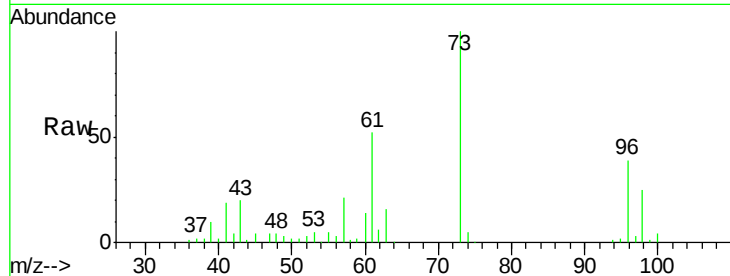
#21
trans-1,2-Dichloroethene
Concen: 50.181 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	120.4	180.6
98	65.9	50.6	75.8

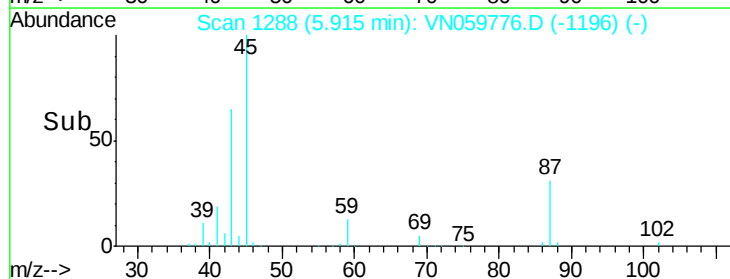
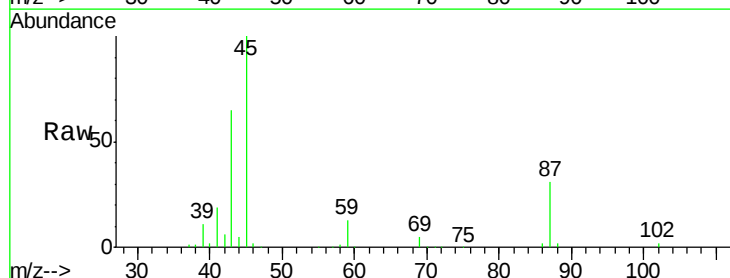
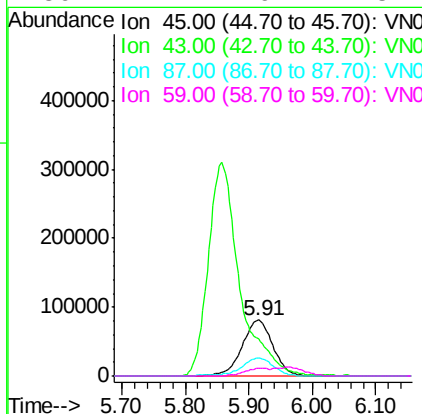
Manual Integrations
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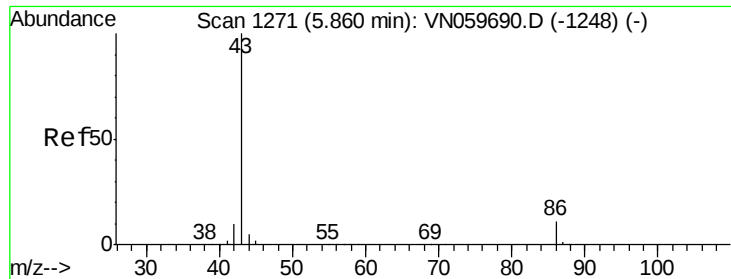
MMDadoda
1/21/2020 11:00:54 AM



#22
Diisopropyl ether
Concen: 49.467 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	50.8	76.2
87	31.4	21.0	31.6
59	12.7	9.1	13.7





#23

Vinyl Acetate

Concen: 247.957 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1063071

Ion Ratio Lower Upper

43 100

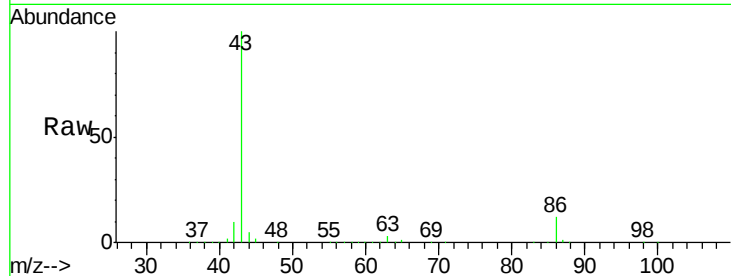
86 11.6 7.6 11.4#

Manual Integrations

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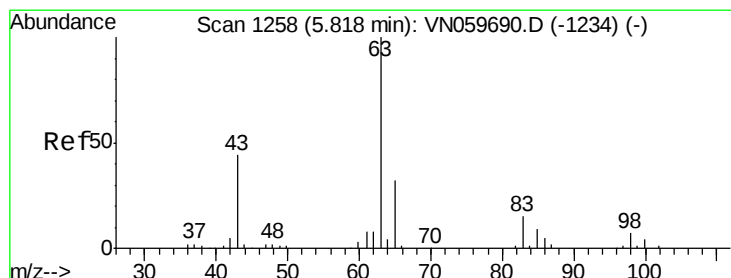
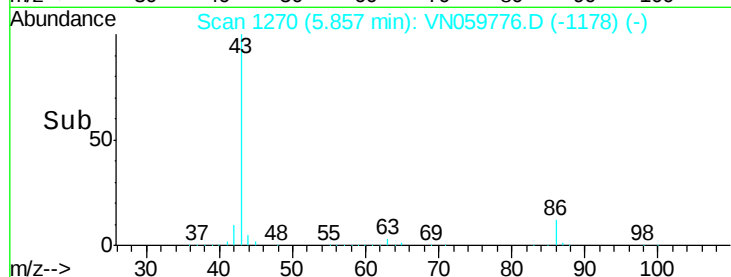
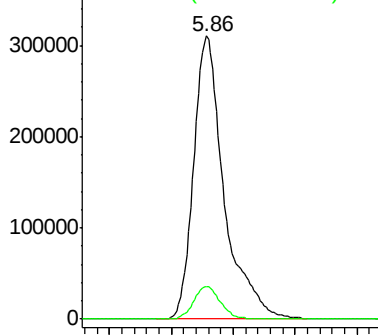
MMDadoda

1/21/2020 11:00:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.178 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

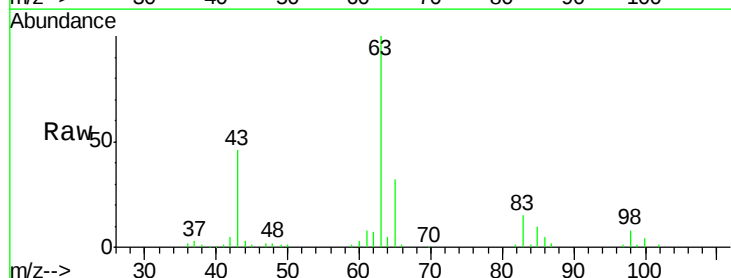
Tgt Ion: 63 Resp: 169777

Ion Ratio Lower Upper

63 100

98 7.6 2.9 8.7

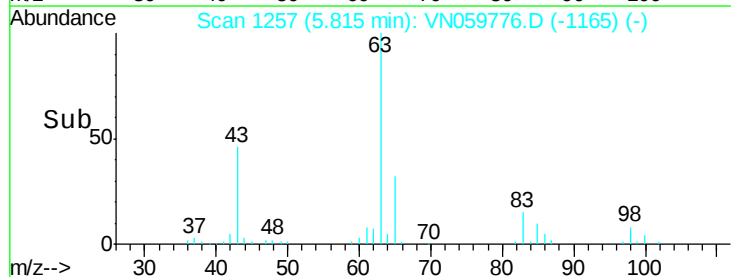
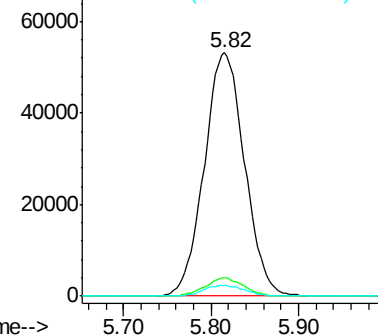
100 4.4 2.0 6.0

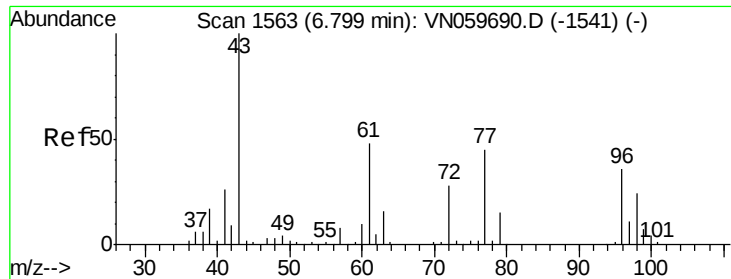


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





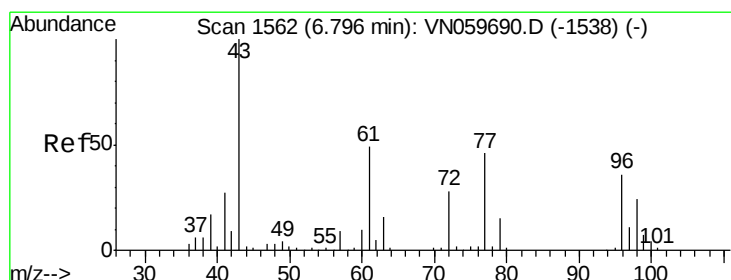
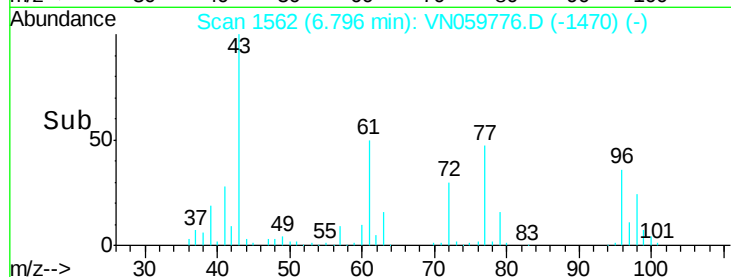
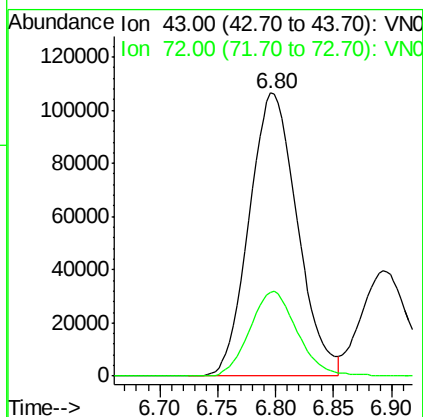
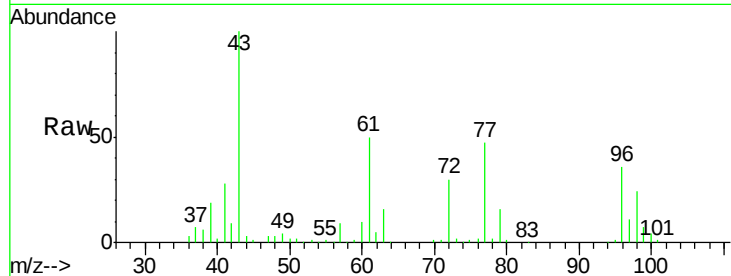
#25
 2-Butanone
 Concen: 246.875 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 307636
 Ion Ratio Lower Upper
 43 100
 72 29.7 19.9 29.9

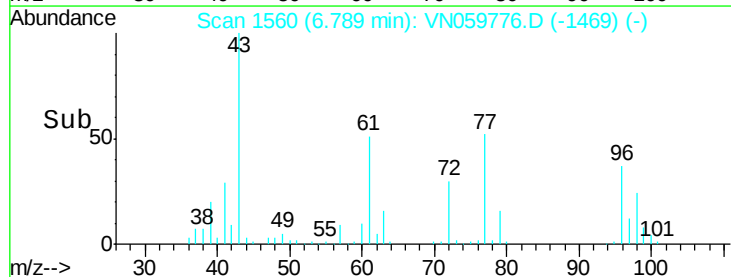
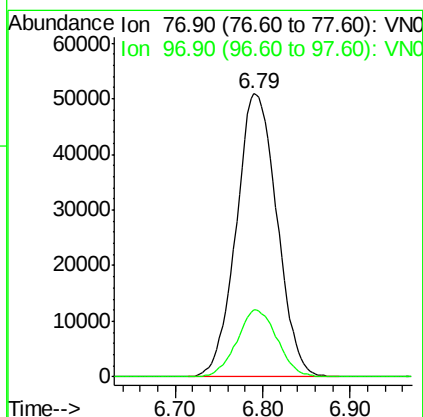
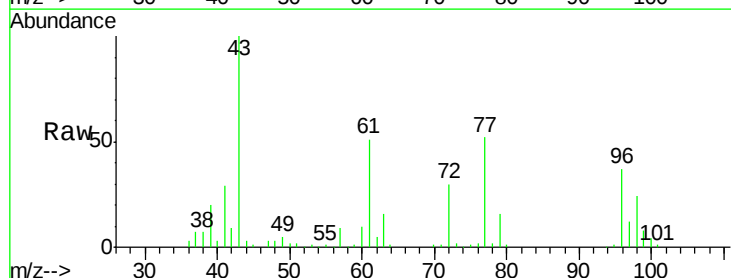
Manual Integrations
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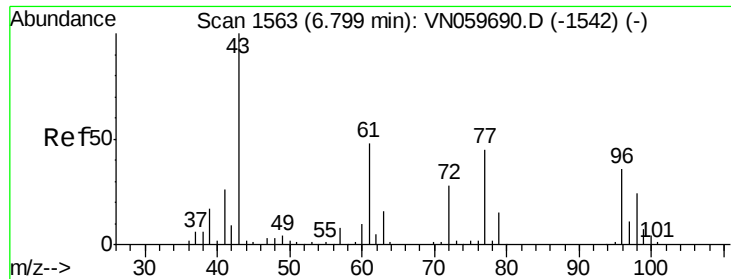
MMDadoda
 1/21/2020 11:00:54 AM



#26
 2,2-Dichloropropane
 Concen: 50.406 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Tgt Ion: 77 Resp: 163963
 Ion Ratio Lower Upper
 77 100
 97 23.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.560 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

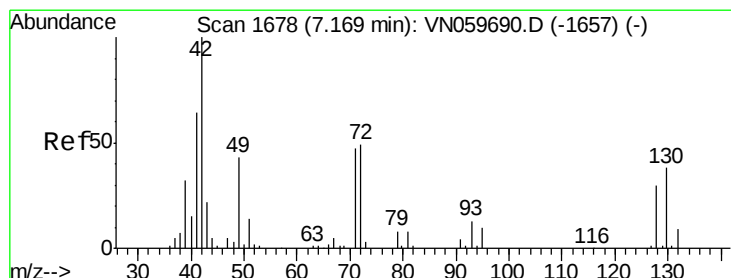
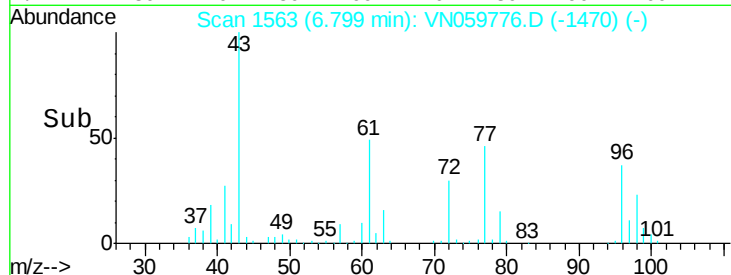
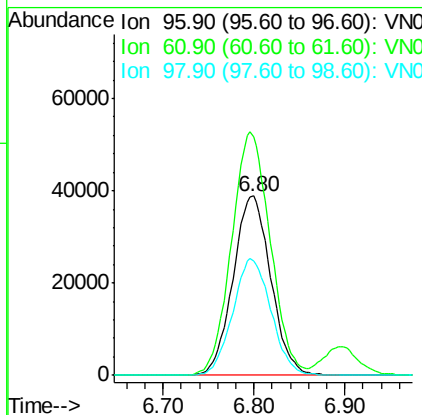
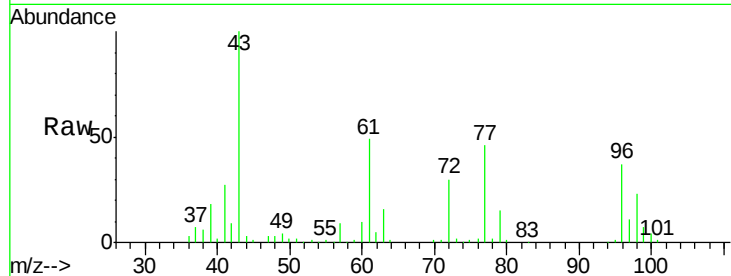
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	112062
Ion Ratio	Lower	Upper	
96	100		
61	138.9	0.0	317.6
98	65.8	0.0	127.0

Manual Integrations
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1/21/2020 11:00:54 AM



#28

Bromochloromethane

Concen: 45.059 ug/l

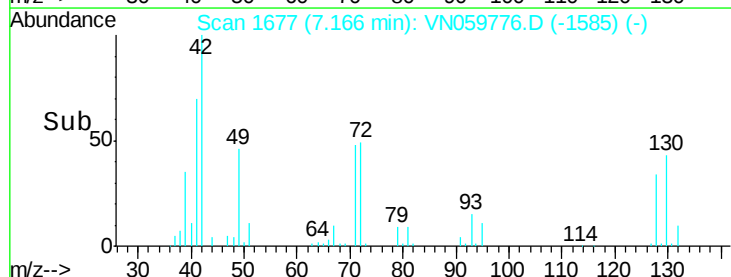
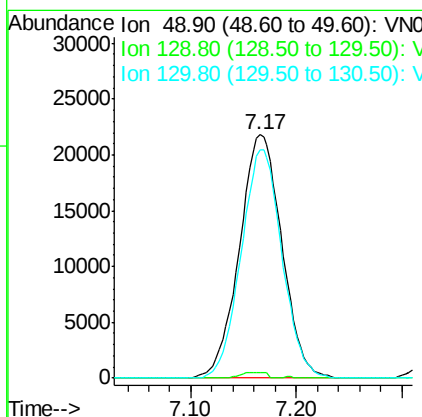
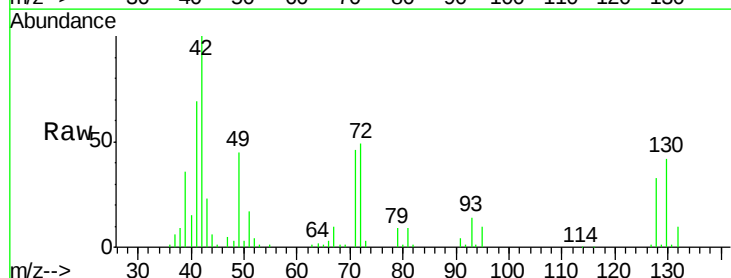
RT: 7.17 min Scan# 1677

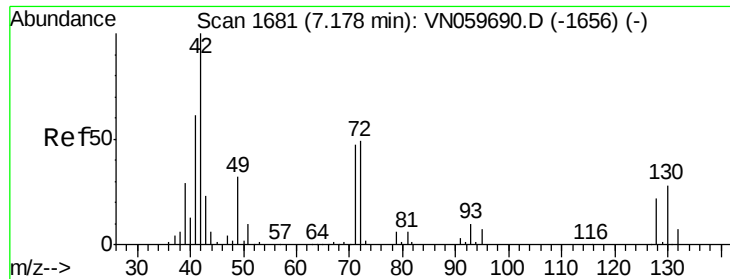
Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Tgt Ion:	49	Resp:	60935
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.4
130	90.4	54.7	82.1#





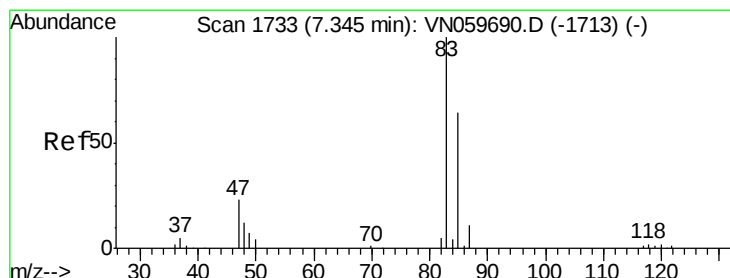
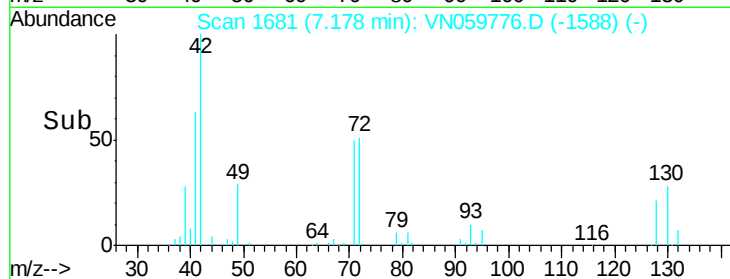
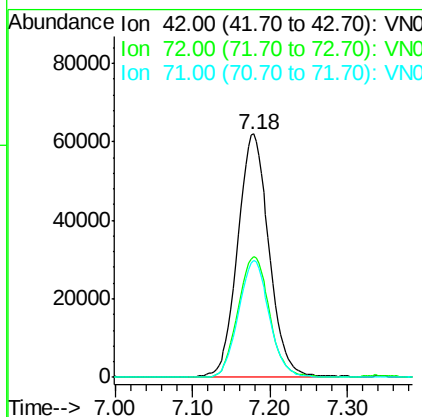
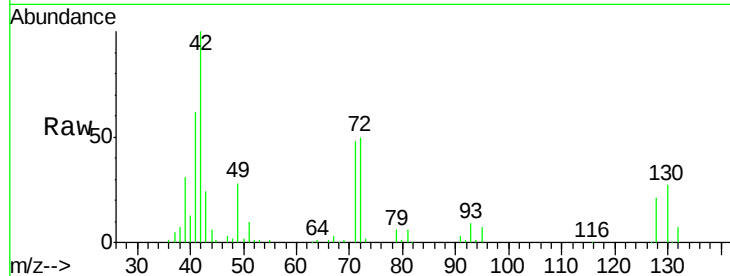
#29
Tetrahydrofuran
Concen: 227.308 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	33.1	49.7#
71	47.1	31.4	47.0#

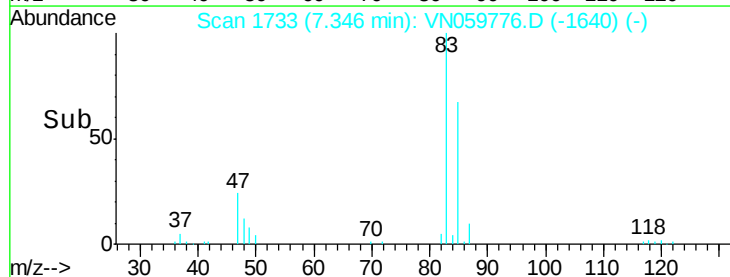
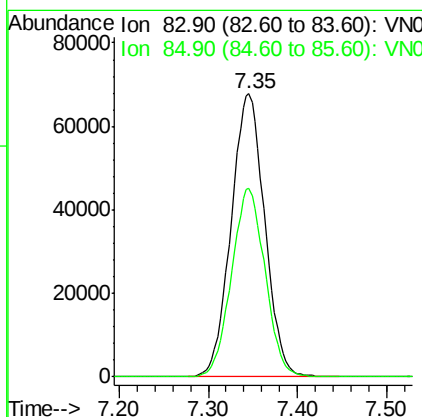
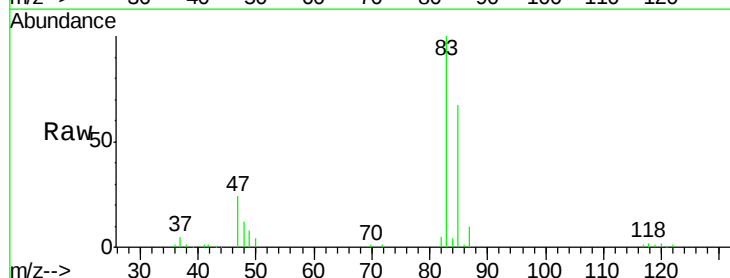
Manual Integrations
APPROVED

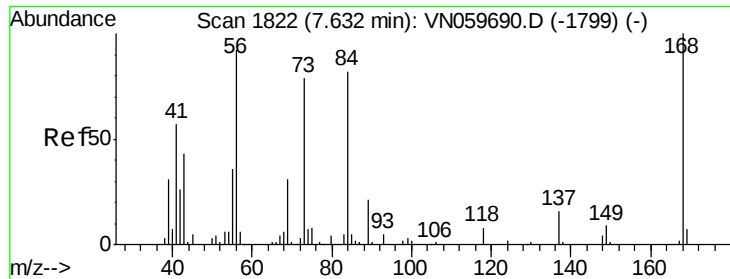
MMDadoda
1/21/2020 11:00:54 AM



#30
Chloroform
Concen: 50.582 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6





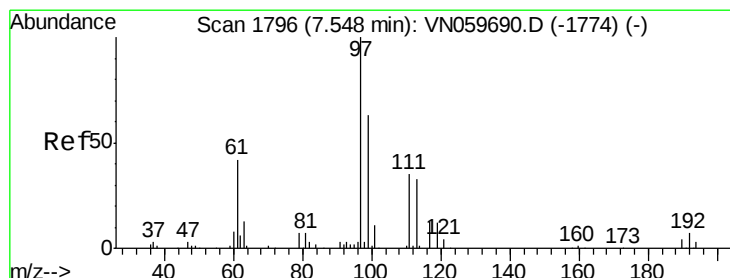
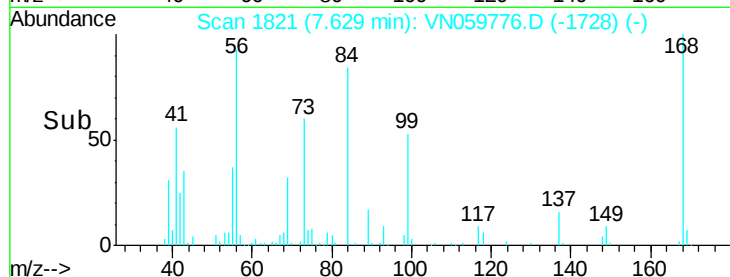
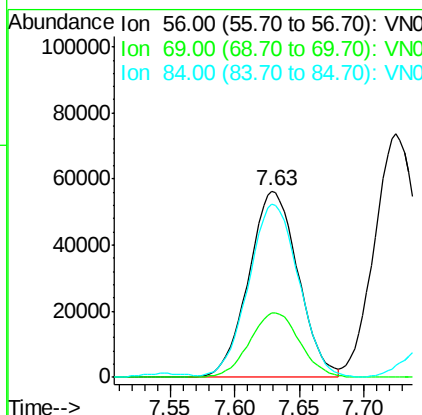
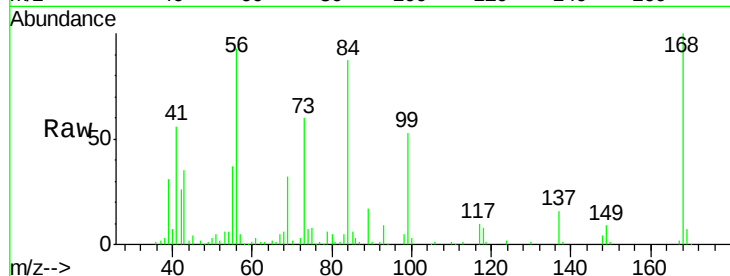
#31
Cyclohexane
Concen: 46.219 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	26.5	39.7
84	91.9	65.3	97.9

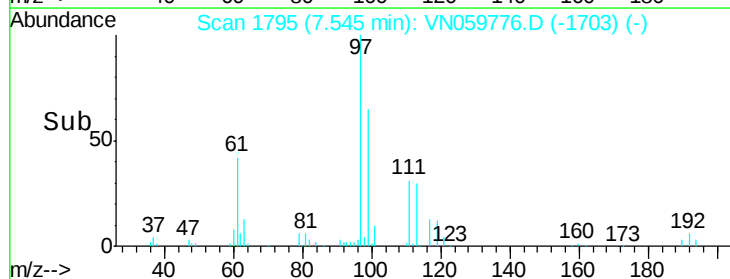
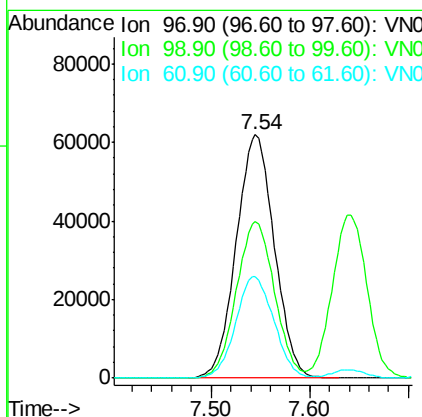
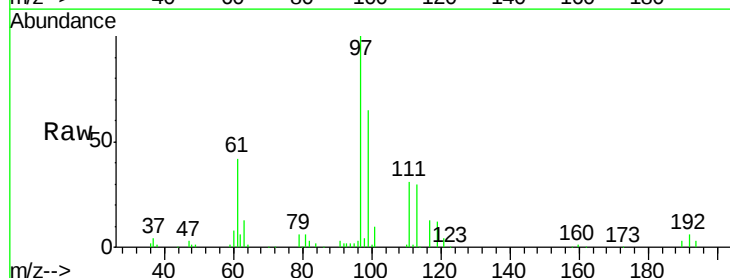
Manual Integrations
APPROVED

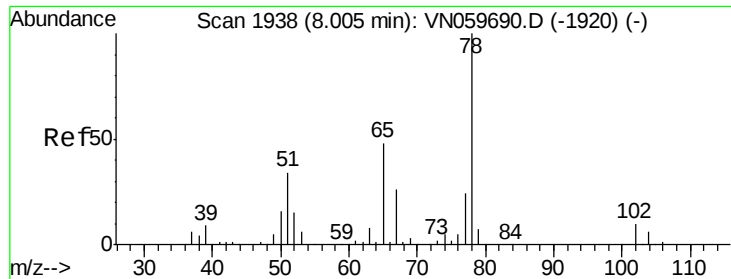
MMDadoda
1/21/2020 11:00:54 AM



#32
1,1,1-Trichloroethane
Concen: 51.161 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	41.8	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 48.275 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 106228

Ion Ratio Lower Upper

65 100

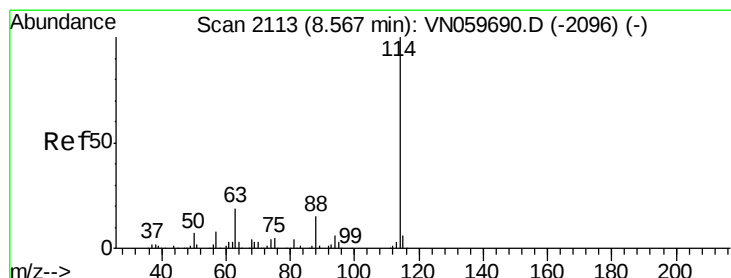
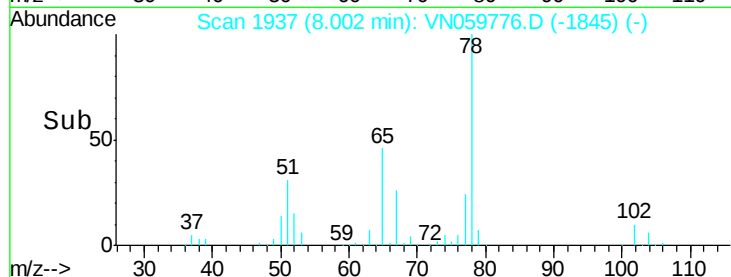
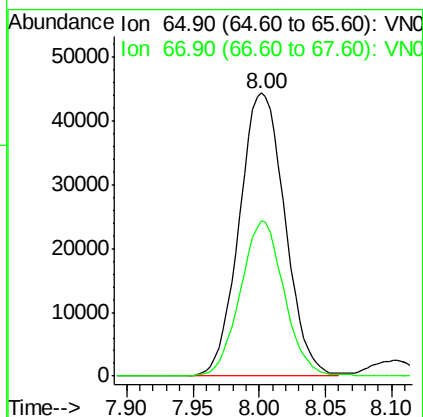
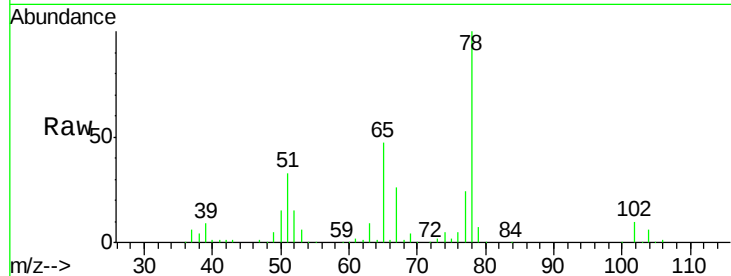
67 52.5 0.0 103.0

Manual Integrations

APPROVED

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1/21/2020 11:00:54 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

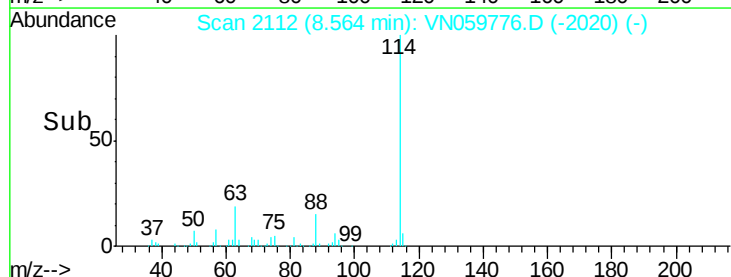
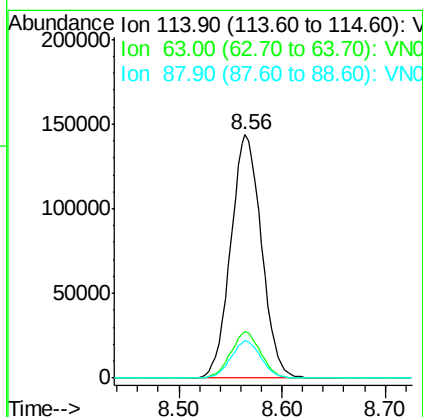
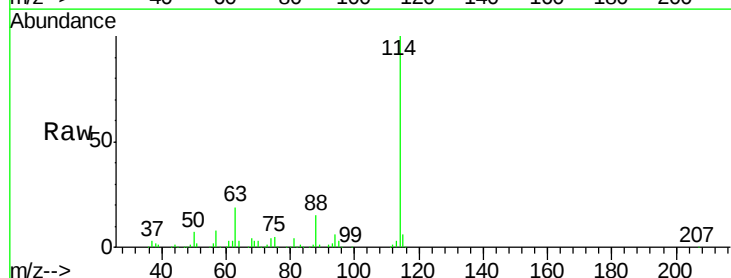
Tgt Ion: 114 Resp: 298330

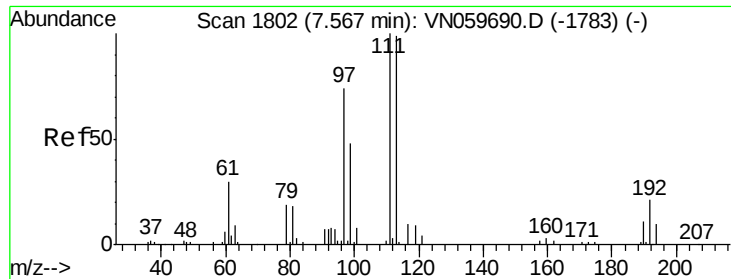
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.6

88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.362 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

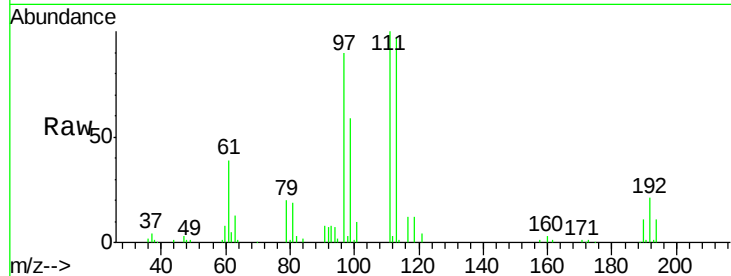
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.5	125.3
192	22.0	15.4	23.2

Manual Integrations
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1/21/2020 11:00:54 AM

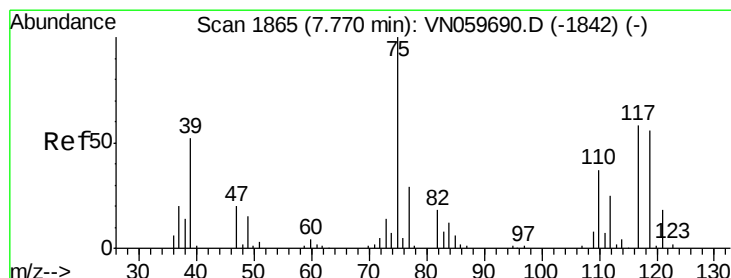
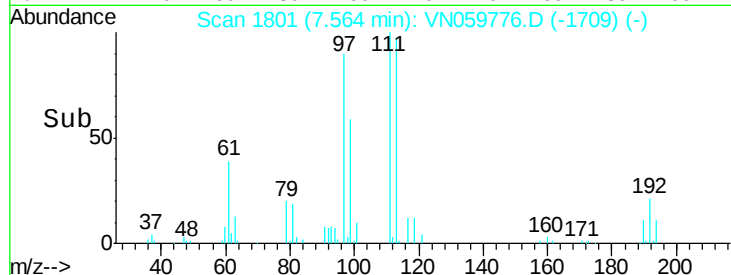
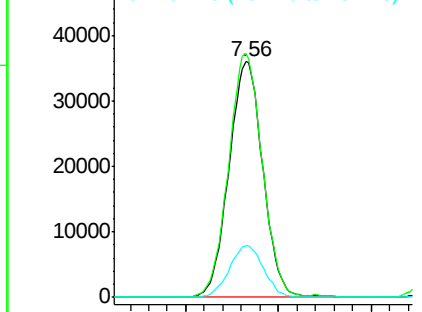


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.502 ug/l

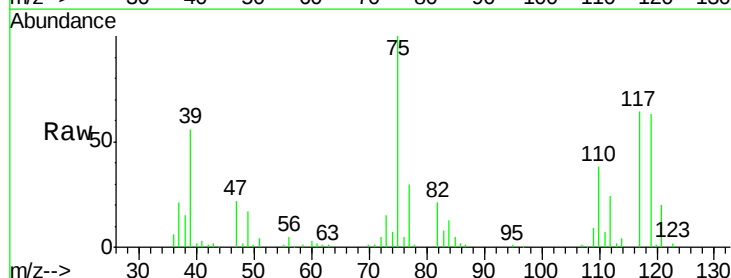
RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	16.6	49.7
77	30.7	25.1	37.7

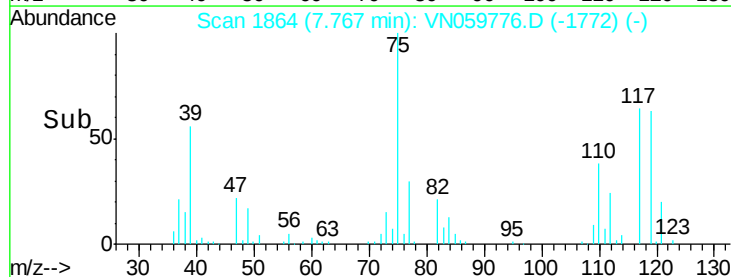
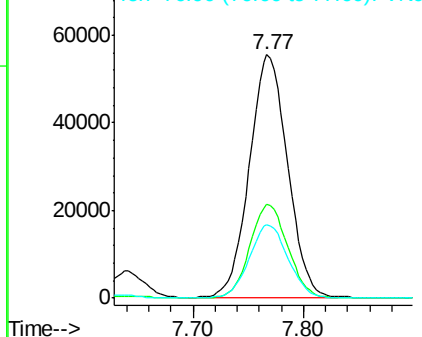


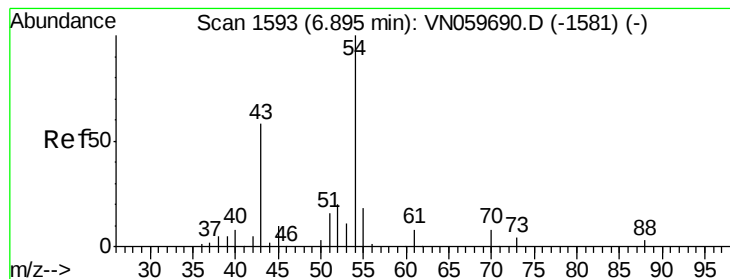
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 46.369 ug/l

RT: 6.89 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

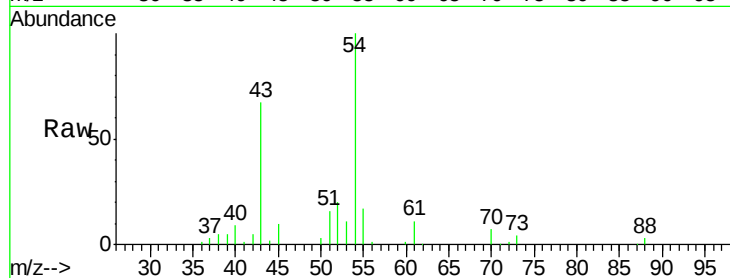
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	112985
Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.9	16.3
70	11.2	7.7	11.5

Manual Integrations
APPROVED

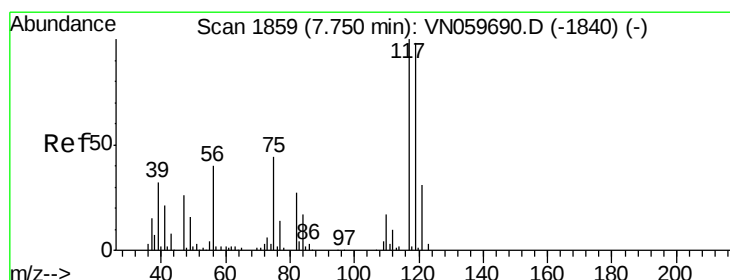
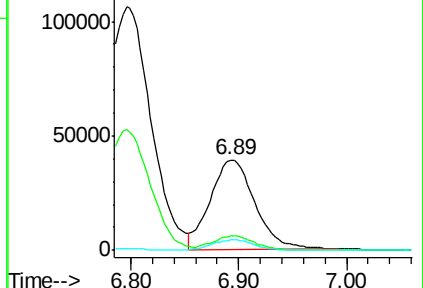
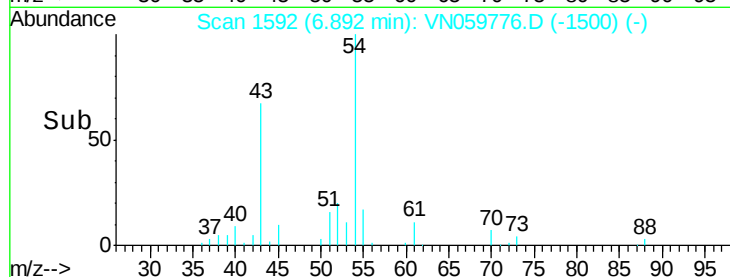
MMDadoda
1/21/2020 11:00:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN059776.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN059776.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN059776.D (-1500) (-)



#38

Carbon Tetrachloride

Concen: 52.679 ug/l

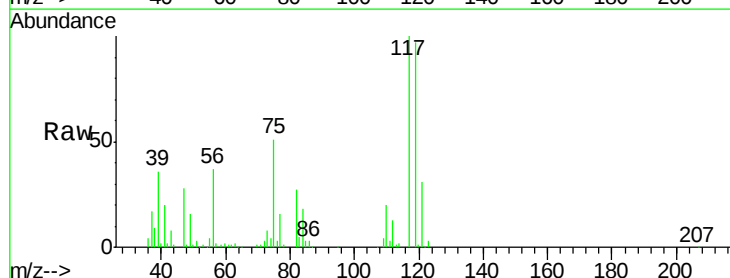
RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

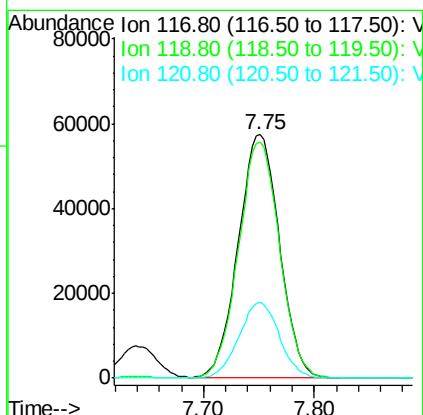
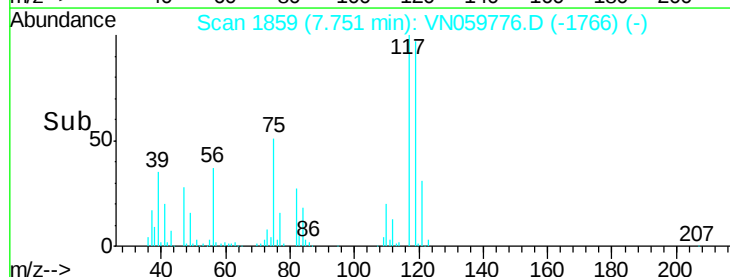
Tgt Ion:	117	Resp:	148874
Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.5	114.7
121	31.1	25.1	37.7

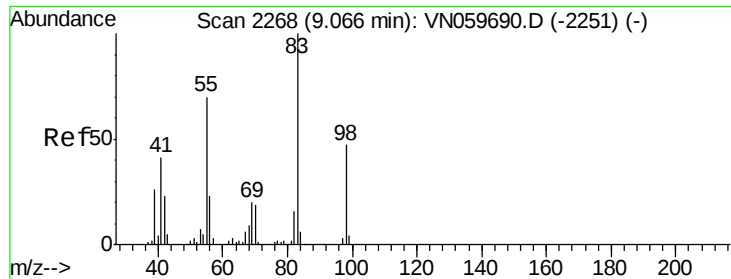


Abundance Ion 116.80 (116.50 to 117.50): VN059776.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN059776.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN059776.D (-1766) (-)





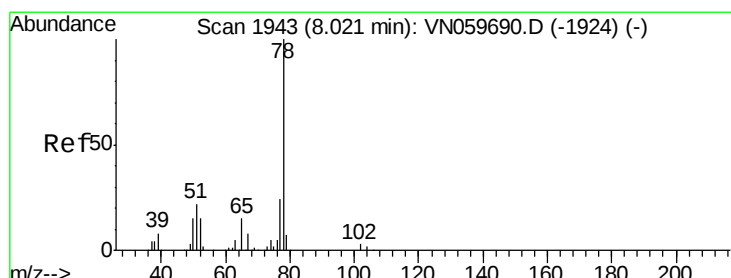
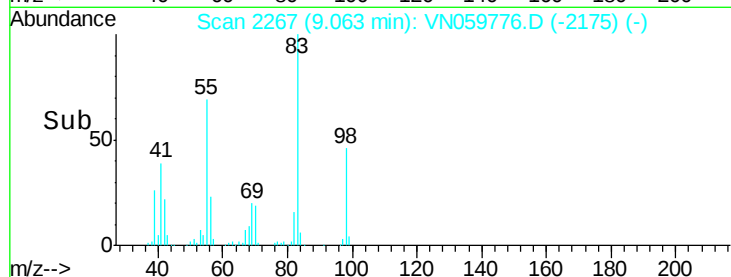
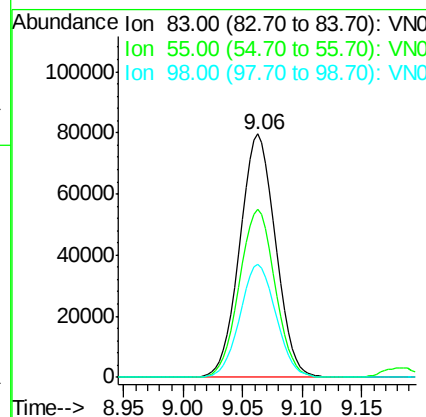
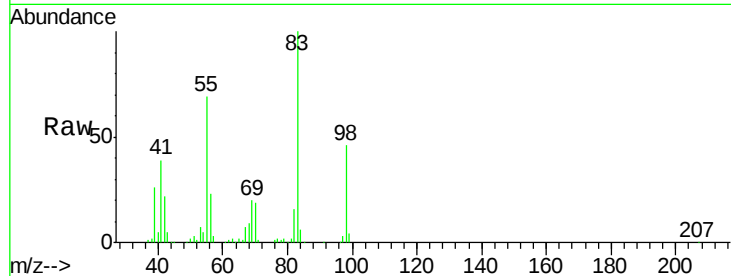
#39
Methvlcvclohexane
Concen: 51.765 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	64.2	96.2
98	46.3	35.9	53.9

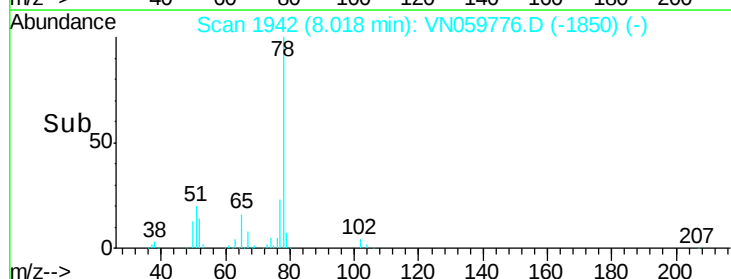
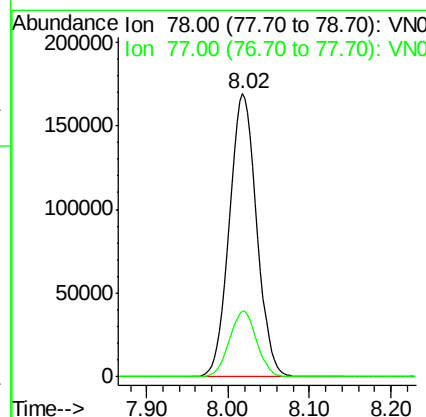
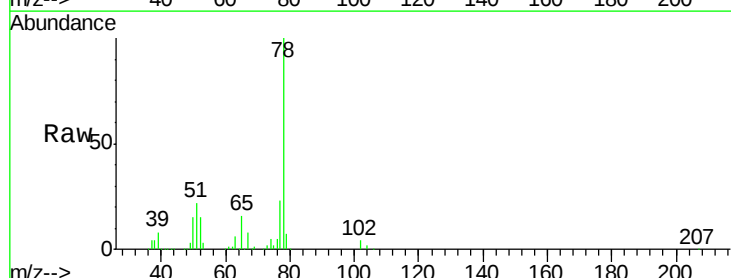
Manual Integrations
APPROVED

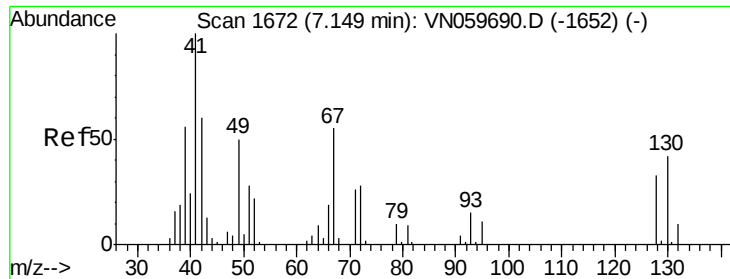
MMDadoda
1/21/2020 11:00:54 AM



#40
Benzene
Concen: 51.399 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





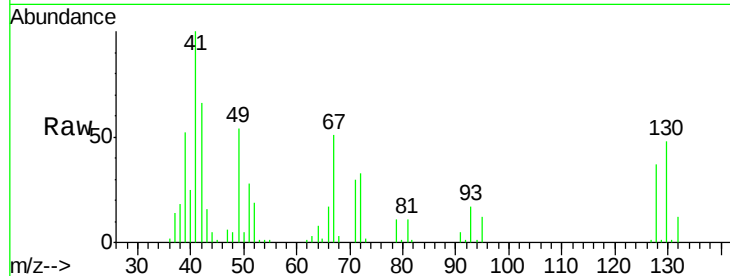
#41
Methacrylonitrile
Concen: 45.333 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

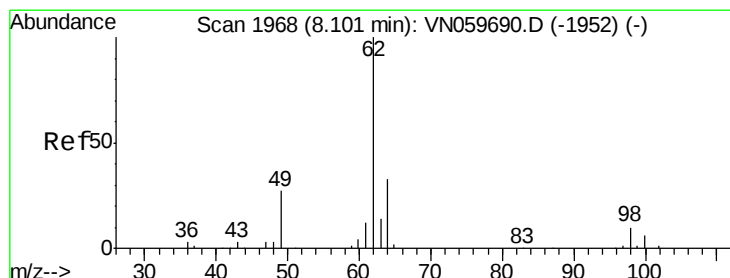
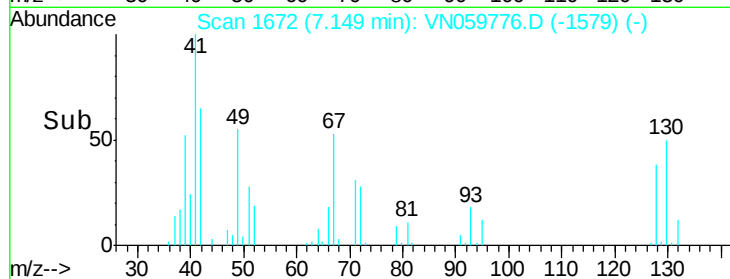
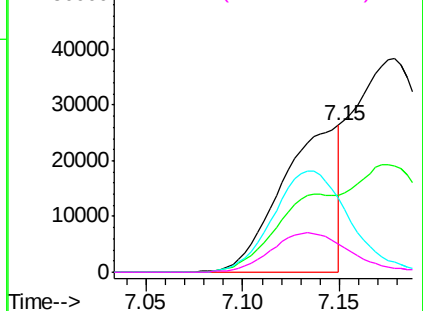
Tot Ion	41	Resp	54408
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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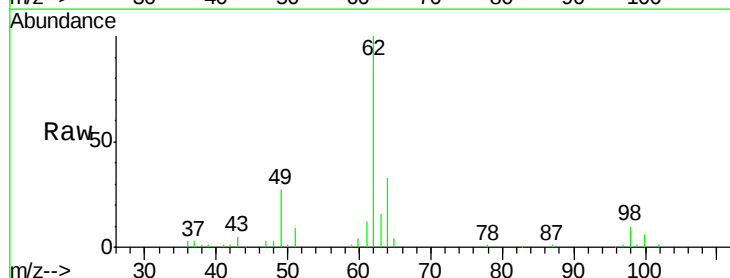


Abundance Ion 41.00 (40.70 to 41.70): VN059776.D (-1579) (-)

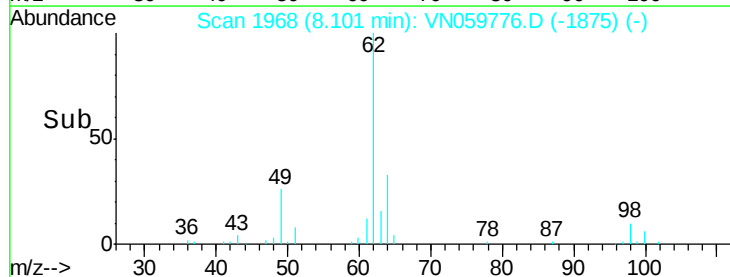
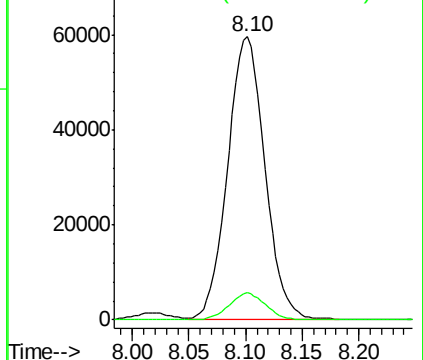


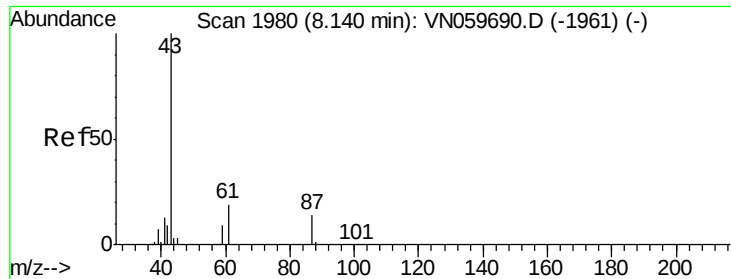
#42
1,2-Dichloroethane
Concen: 52.072 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	62	Resp	136793
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059776.D (-1875) (-)





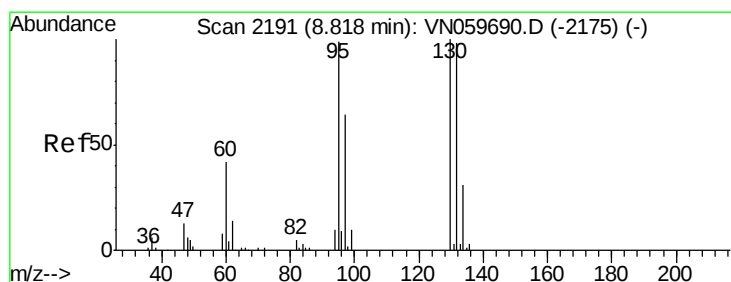
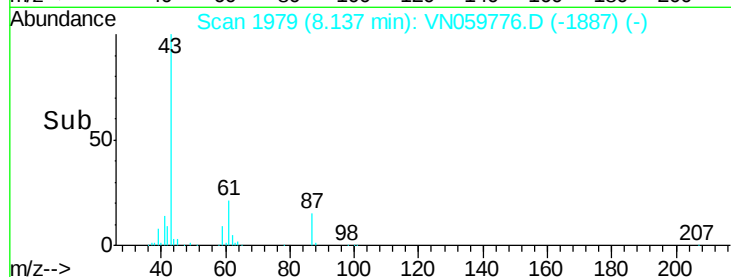
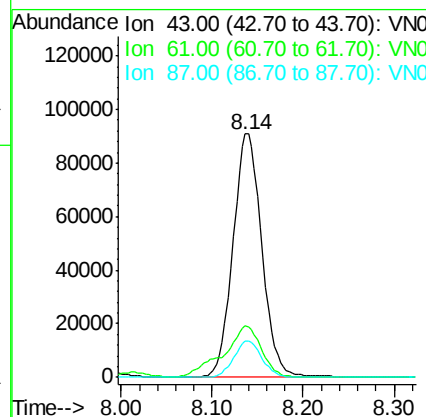
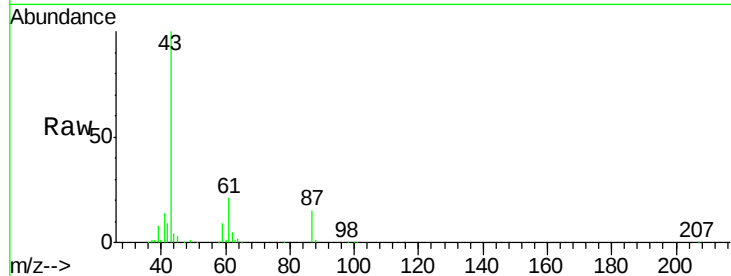
#43
Isopropyl Acetate
Concen: 47.774 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	20.2	30.2
87	14.6	9.5	14.3

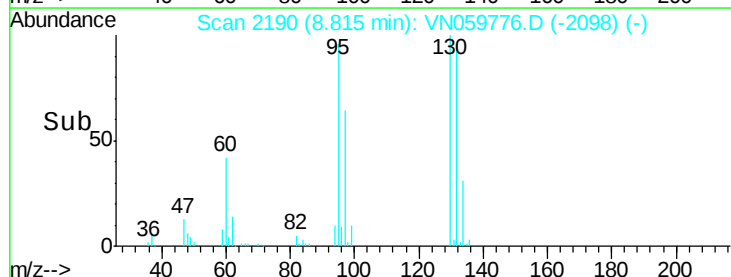
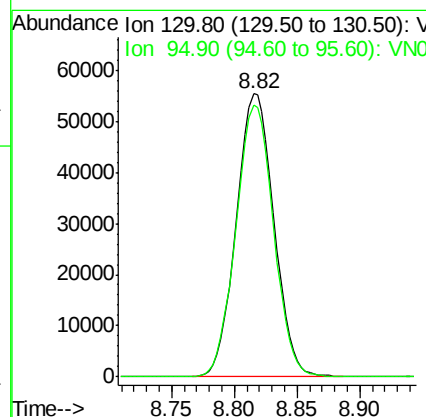
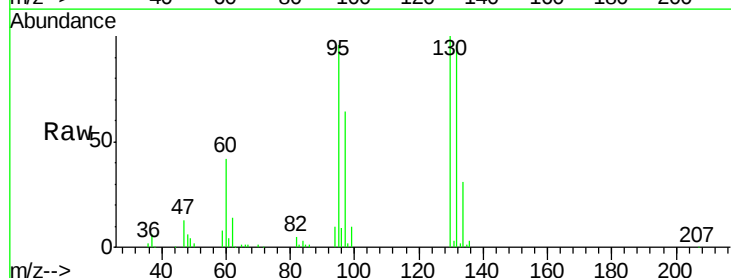
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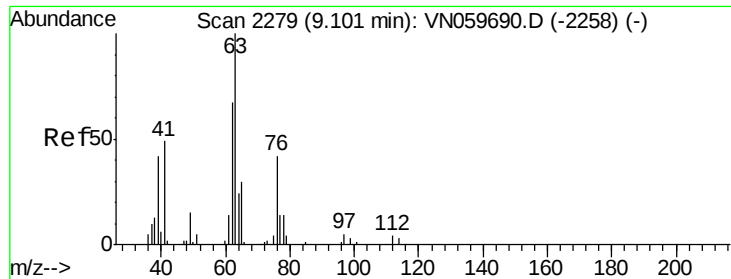
MMDadoda
1/21/2020 11:00:54 AM



#44
Trichloroethene
Concen: 54.713 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	207.0





#45

1,2-Dichloropropane

Concen: 51.993 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 99685

Ion Ratio Lower Upper

63 100

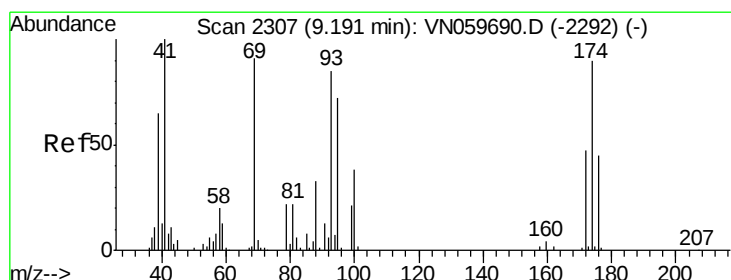
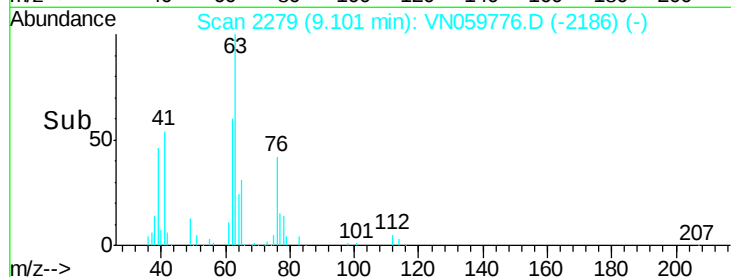
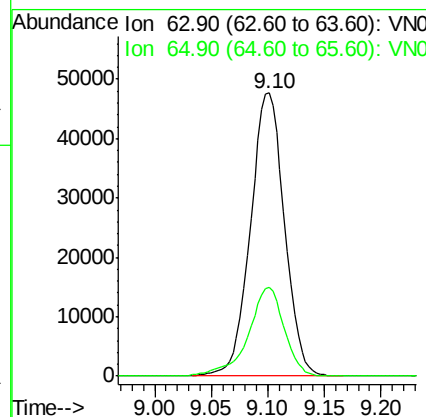
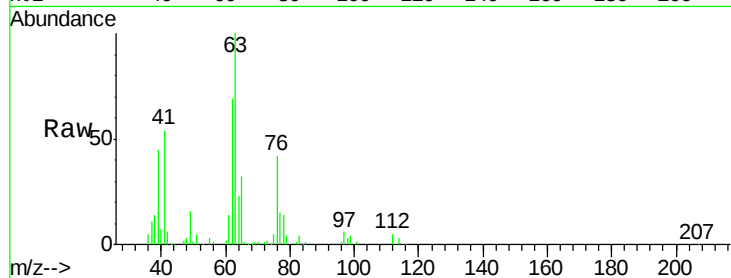
65 31.6 24.9 37.3

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1/21/2020 11:00:54 AM



#46

Dibromomethane

Concen: 52.197 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

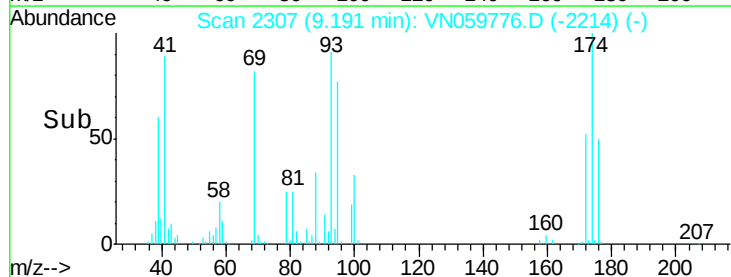
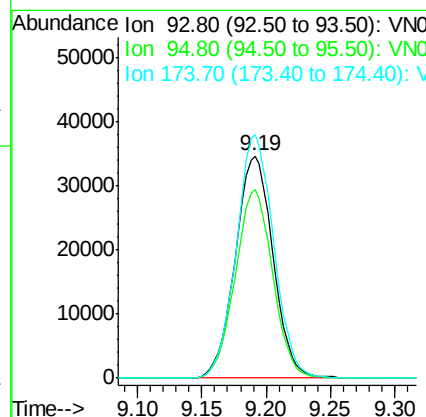
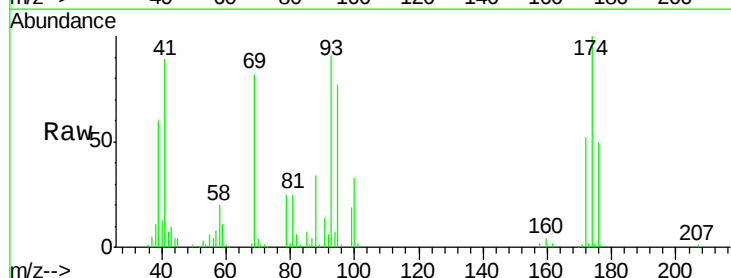
Tgt Ion: 93 Resp: 70594

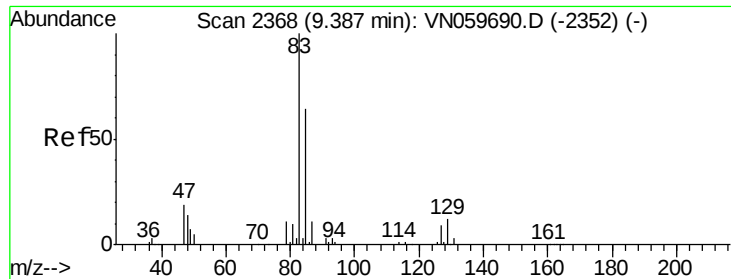
Ion Ratio Lower Upper

93 100

95 84.1 67.0 100.6

174 108.6 73.4 110.2





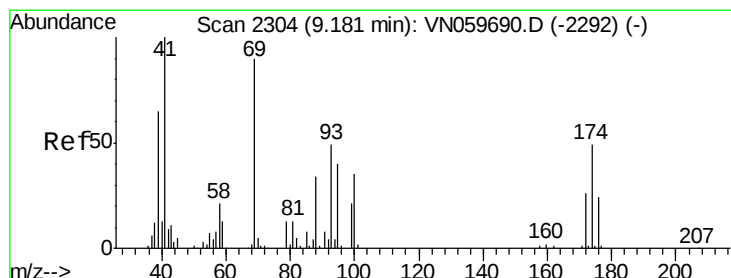
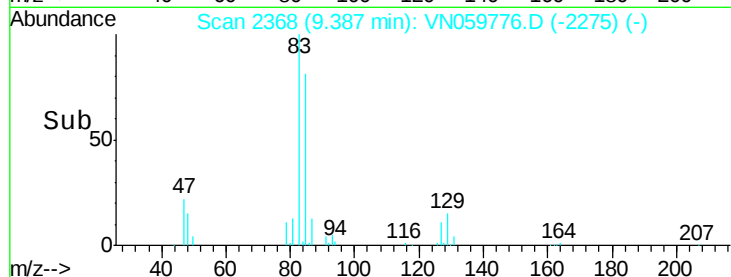
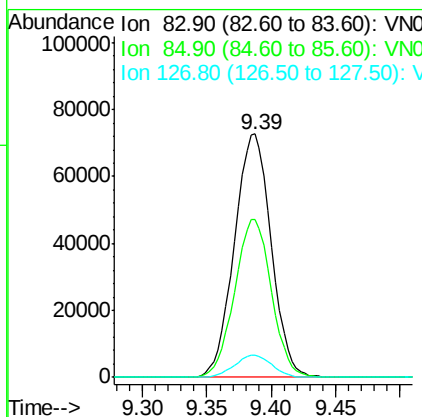
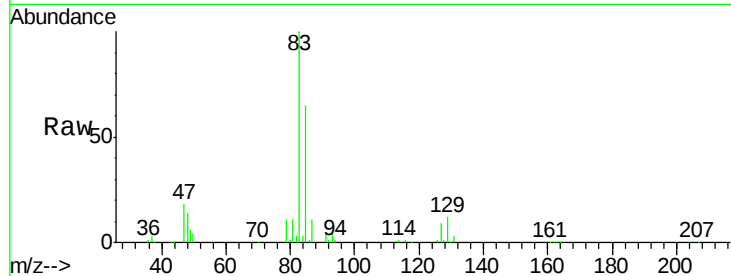
#47
Bromodichloromethane
Concen: 53.020 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	144502
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.1	76.7
127	9.1	6.6	9.8

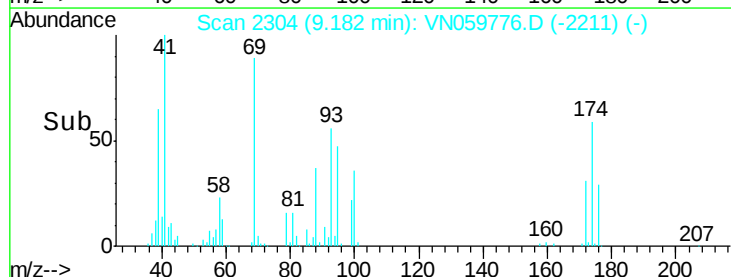
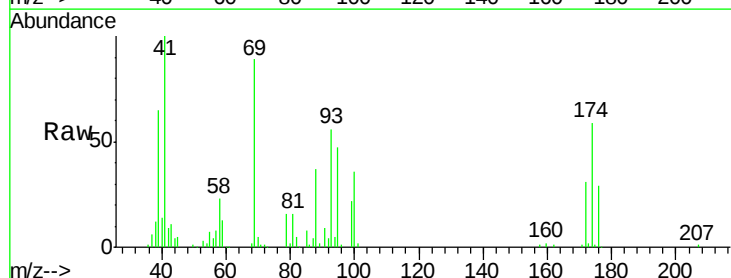
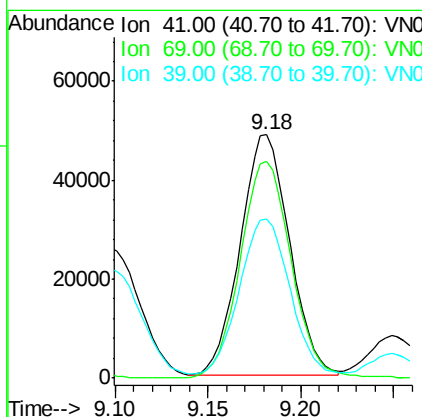
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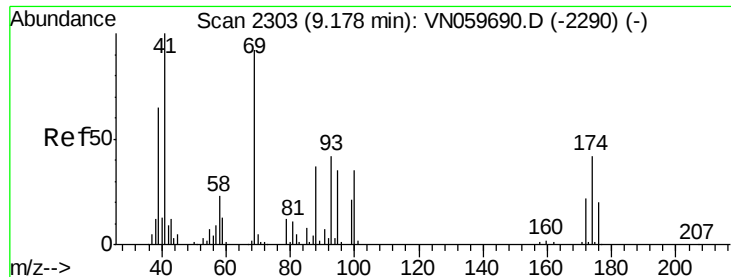
MMDadoda
1/21/2020 11:00:54 AM



#48
Methyl methacrylate
Concen: 47.827 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	41	Resp	89661
Ion Ratio	100	Lower	Upper
41	100		
69	93.5	64.4	96.6
39	66.3	51.3	76.9





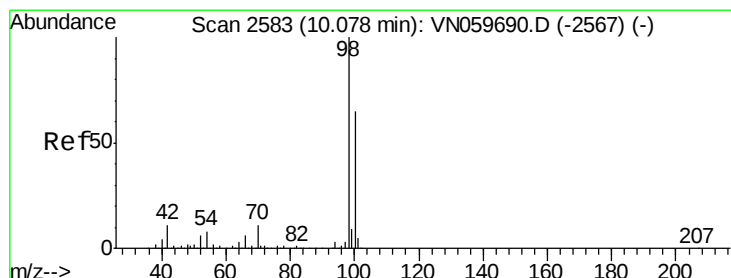
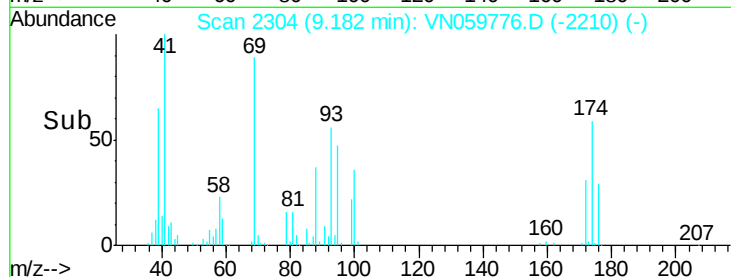
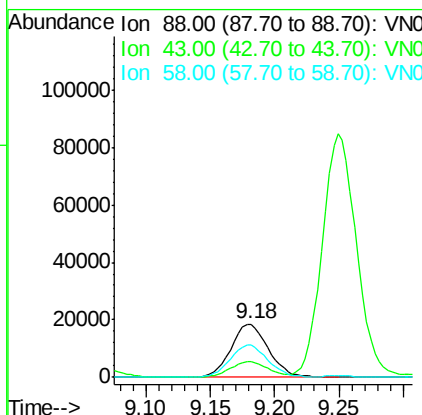
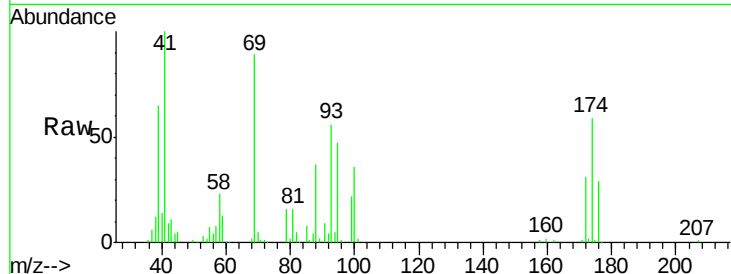
#49
1,4-Dioxane
Concen: 1095.924 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	37611
Ion	Ratio	Lower	Upper
88	100		
43	30.4	29.7	44.5
58	60.9	56.6	85.0

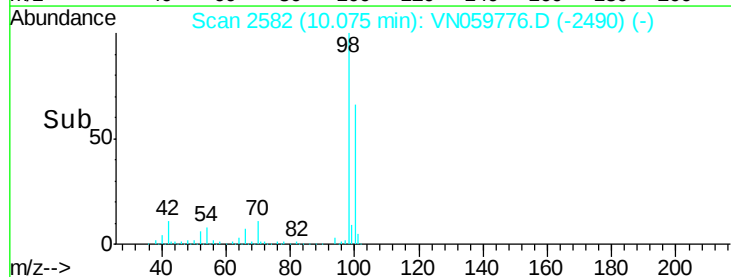
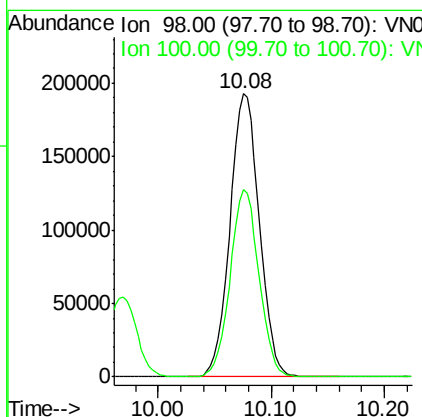
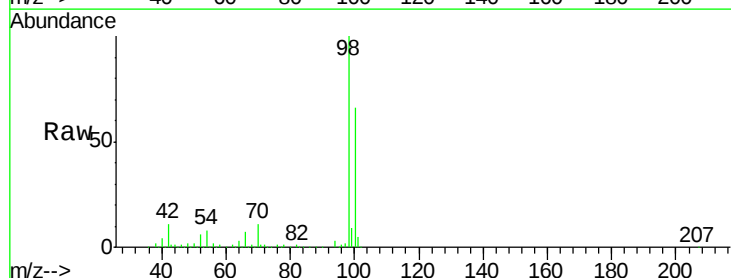
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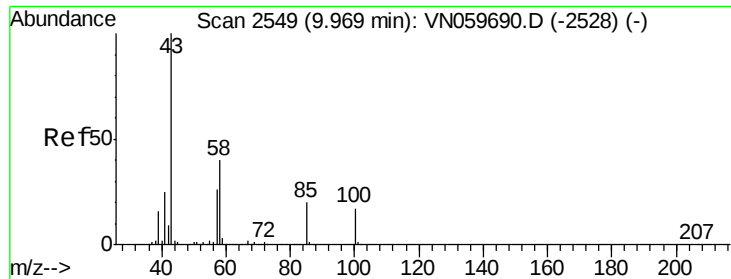
MMDadoda
1/21/2020 11:00:54 AM



#50
Toluene-d8
Concen: 50.459 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	98	Resp	347813
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 237.063 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 574352

Ion Ratio Lower Upper

43 100

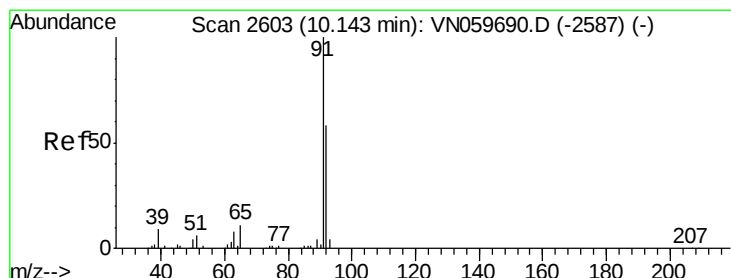
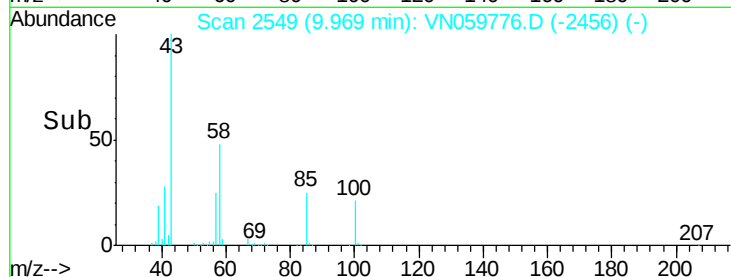
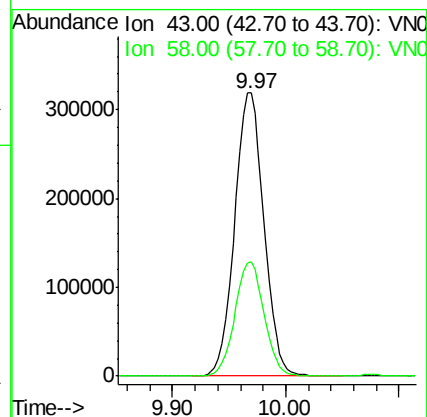
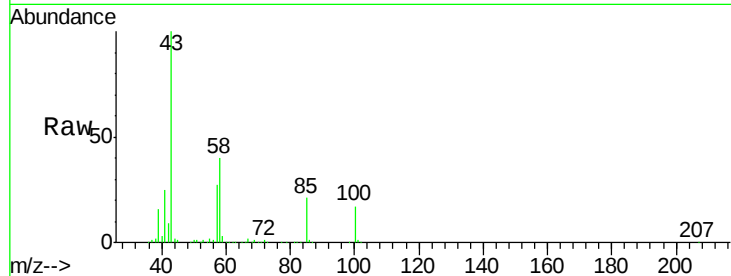
58 40.2 29.8 44.8

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#52

Toluene

Concen: 51.950 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059776.D

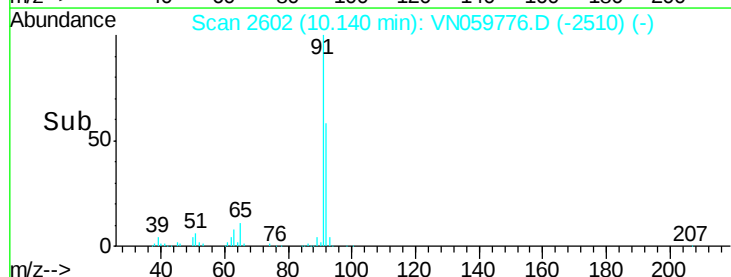
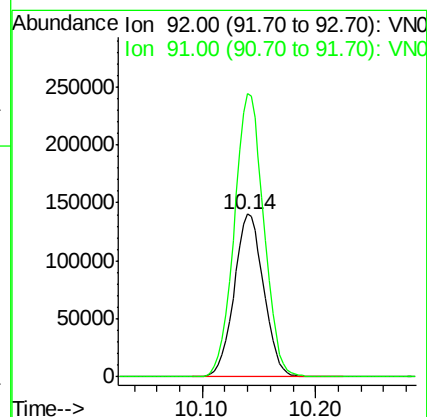
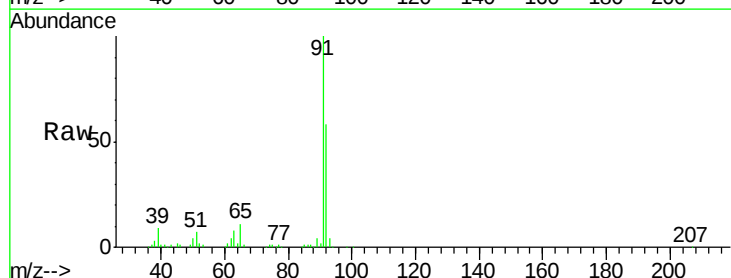
Acq: 20 Jan 2020 10:05

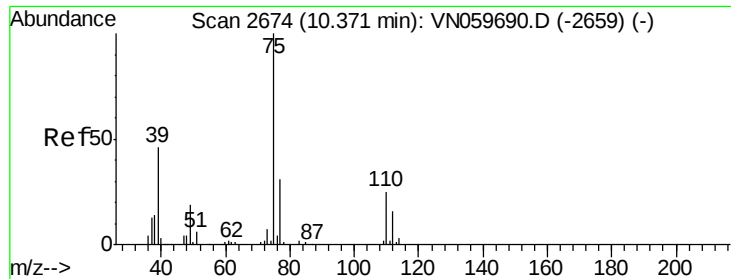
Tgt Ion: 92 Resp: 254245

Ion Ratio Lower Upper

92 100

91 174.1 140.4 210.6





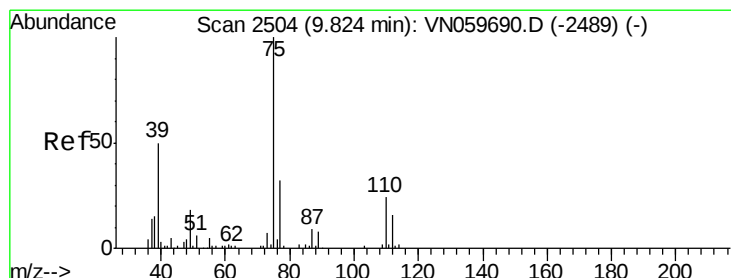
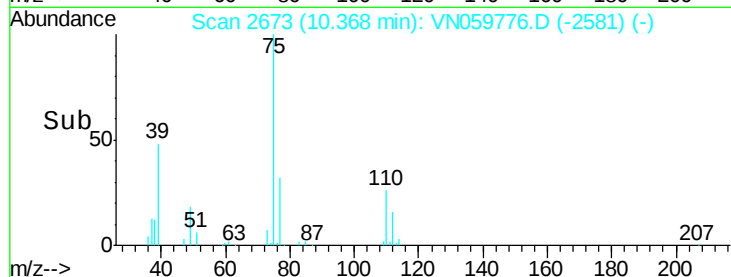
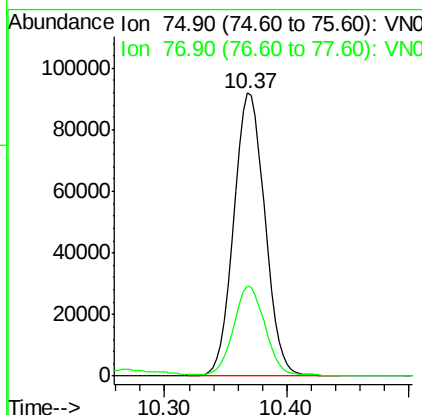
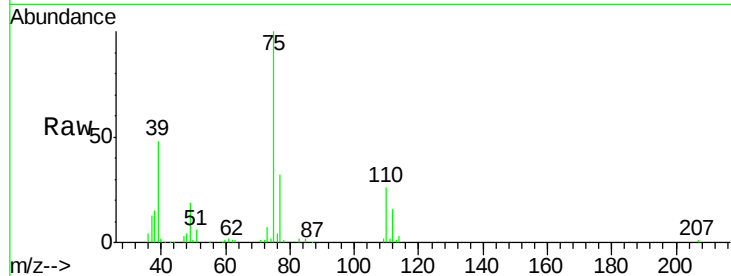
#53
t-1,3-Dichloropropene
Concen: 53.586 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 163072
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

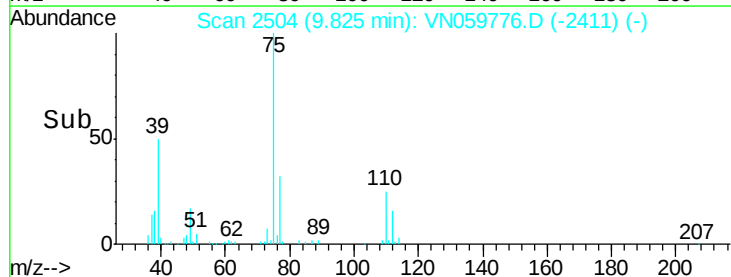
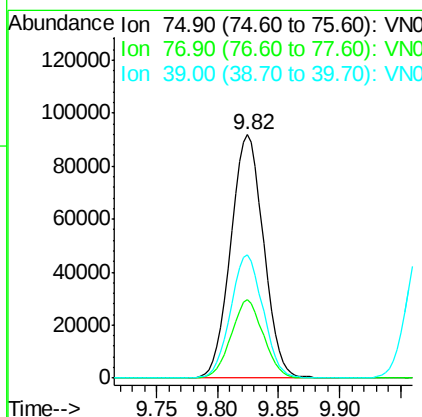
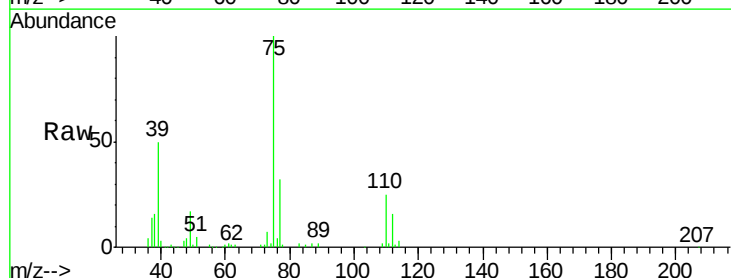
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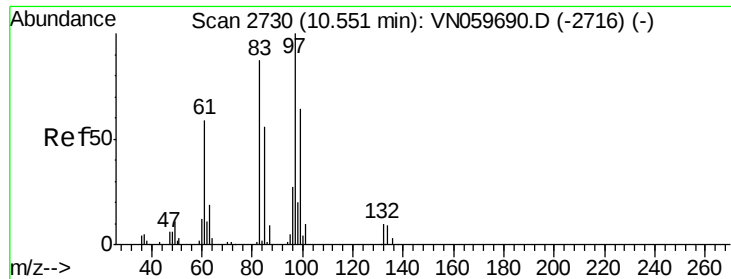
MMDadoda
1/21/2020 11:00:54 AM



#54
cis-1,3-Dichloropropene
Concen: 53.850 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion: 75 Resp: 172425
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7
39 50.5 46.1 69.1





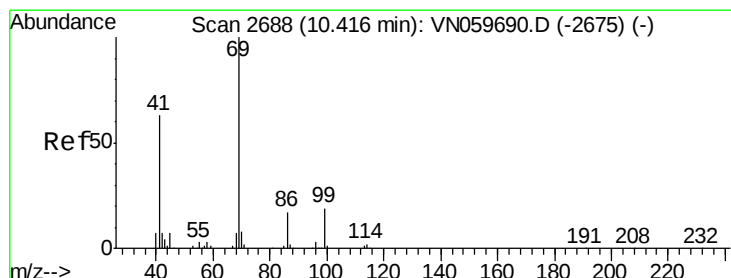
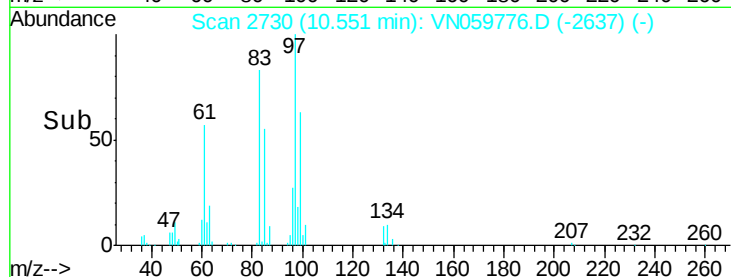
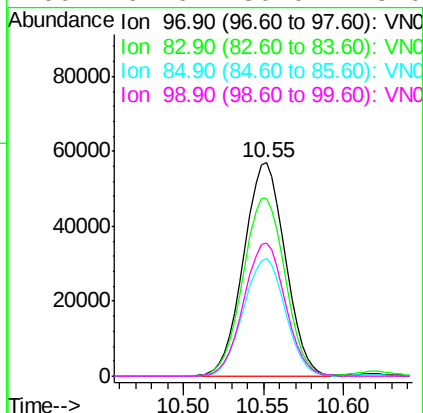
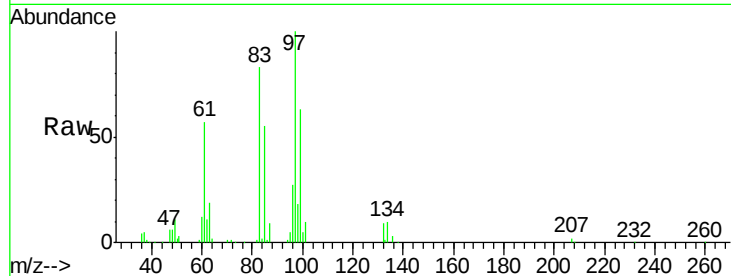
#55
 1,1,2-Trichloroethane
 Concen: 52.401 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.2	71.3	106.9
85	54.9	45.8	68.8
99	62.6	50.0	75.0

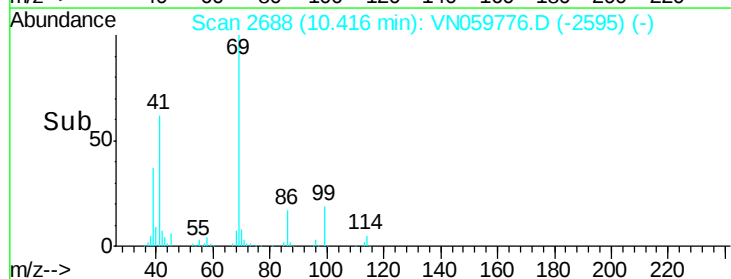
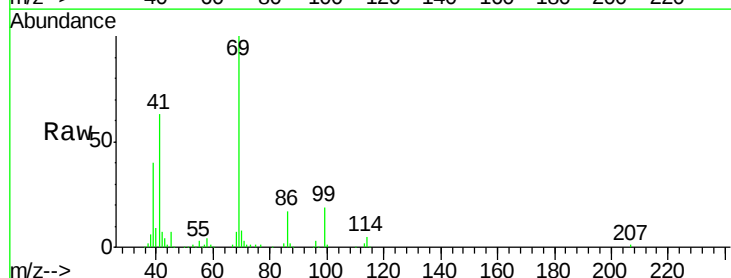
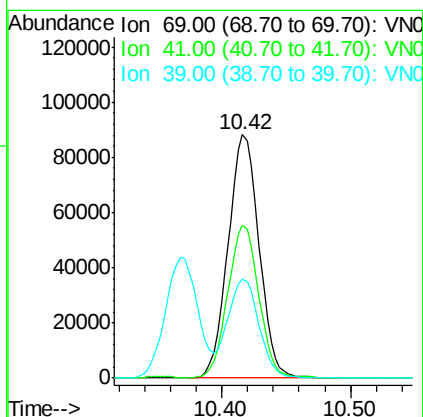
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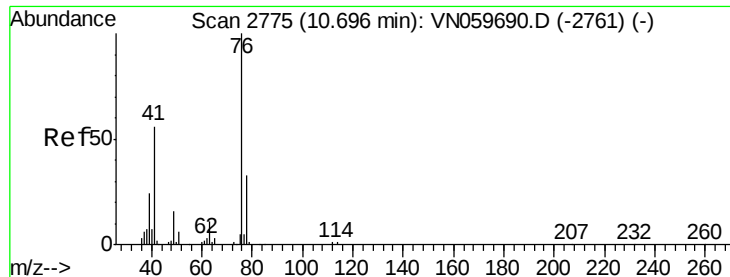
MMDadoda
 1/21/2020 11:00:54 AM



#56
 Ethyl methacrylate
 Concen: 49.672 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	57.1	85.7
39	41.3	34.7	52.1





#57

1,3-Dichloropropane

Concen: 53.273 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 163937

Ion Ratio Lower Upper

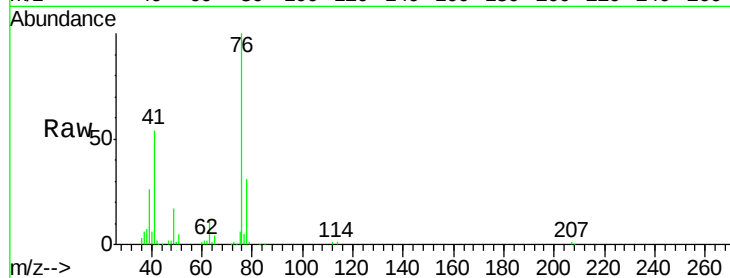
76 100

78 31.7 25.8 38.8

Manual Integrations
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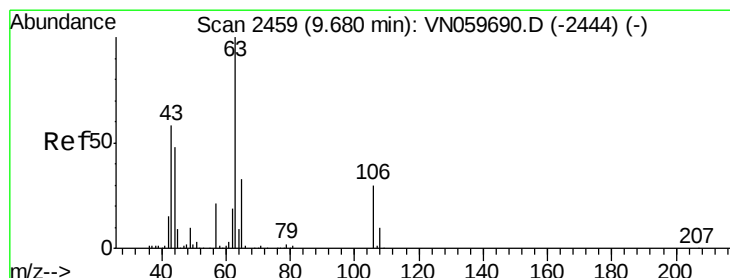
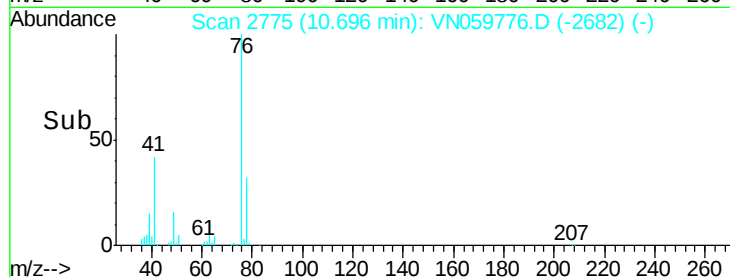
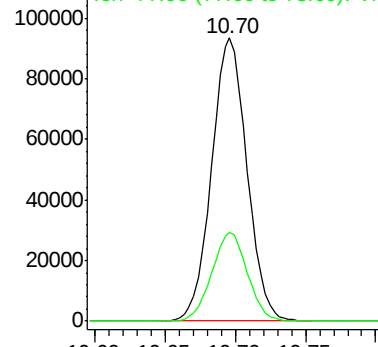
MMDadoda

1/21/2020 11:00:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 236.397 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059776.D

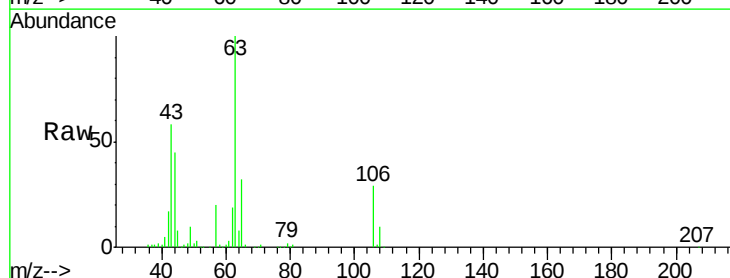
Acq: 20 Jan 2020 10:05

Tgt Ion: 63 Resp: 210888

Ion Ratio Lower Upper

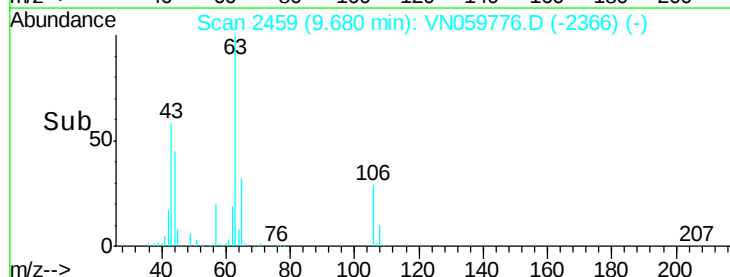
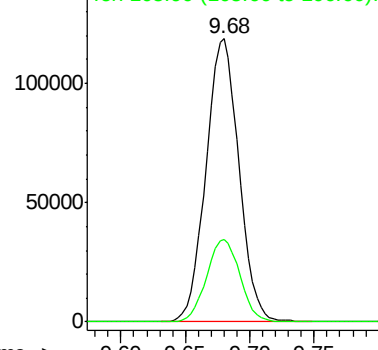
63 100

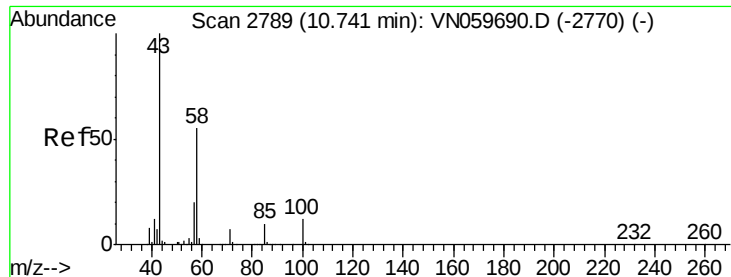
106 29.6 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





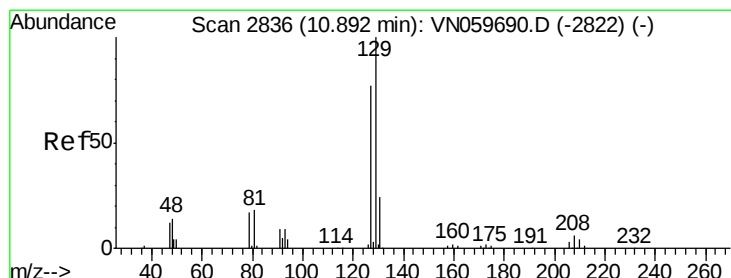
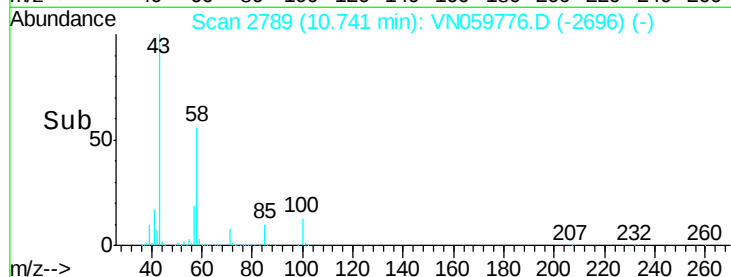
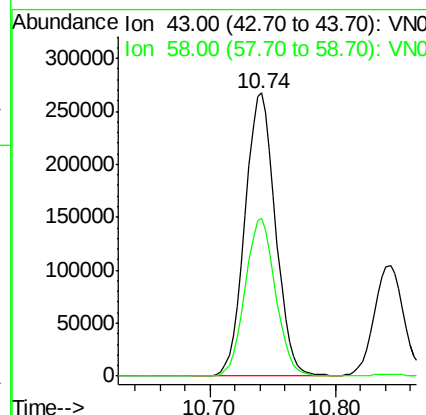
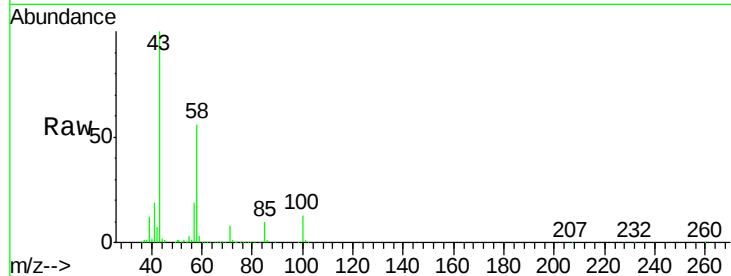
#59
2-Hexanone
Concen: 253.416 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	452315
Ion	Ratio	Lower	Upper
43	100		
58	55.4	25.8	77.3

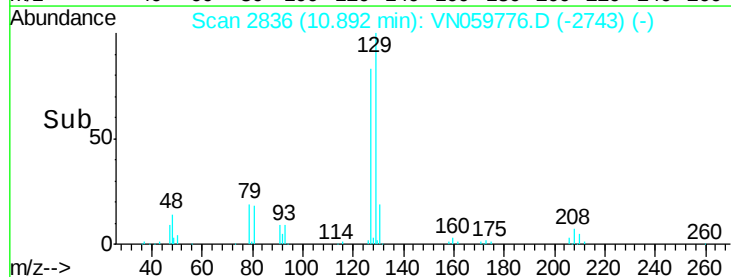
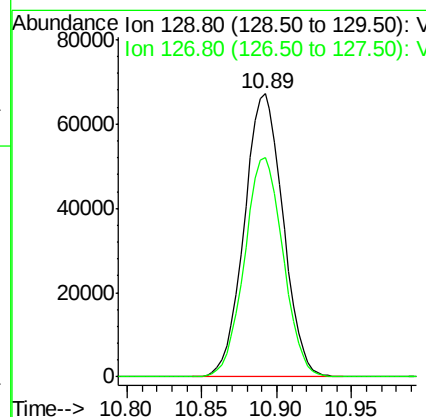
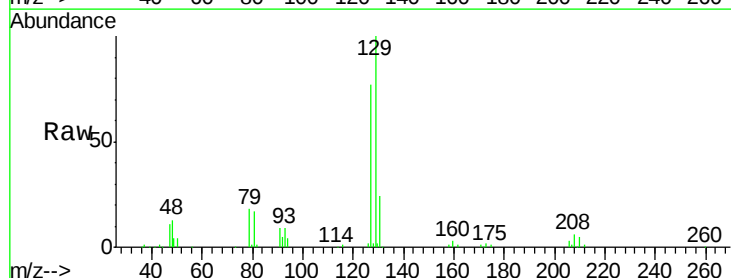
Manual Integrations
APPROVED

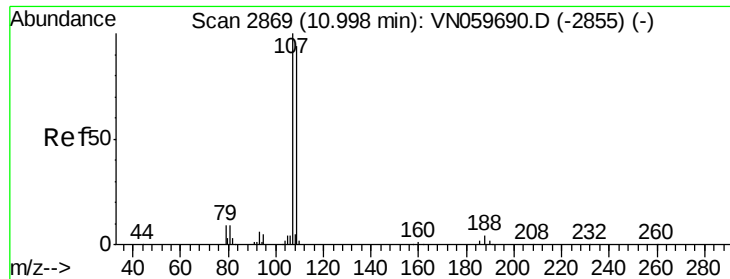
MMDadoda
1/21/2020 11:00:54 AM



#60
Dibromochloromethane
Concen: 54.935 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	129	Resp	121257
Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.5	115.5





#61

1,2-Dibromoethane

Concen: 52.484 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 106626

Ion Ratio Lower Upper

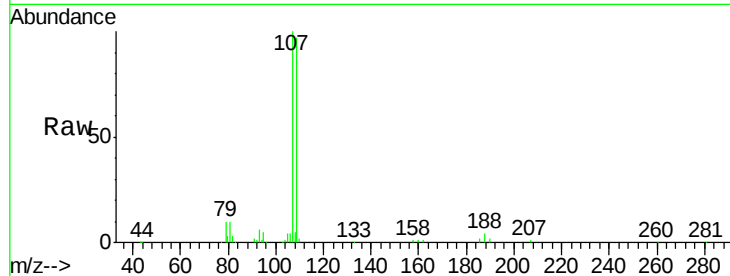
107 100

109 96.6 76.6 115.0

Manual Integrations
APPROVED

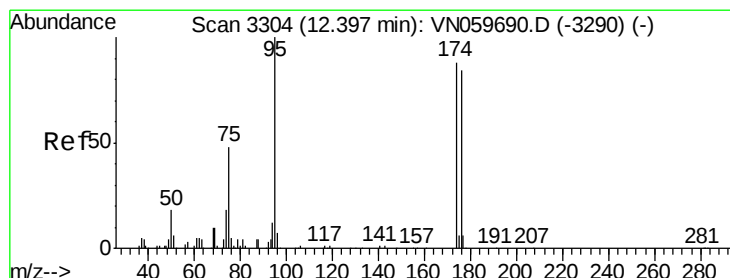
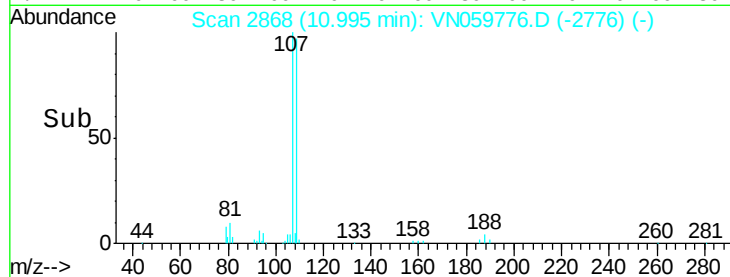
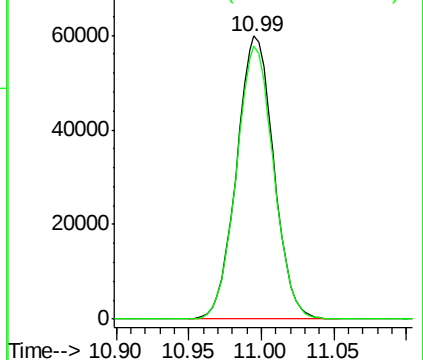
MMDadoda

1/21/2020 11:00:54 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.198 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

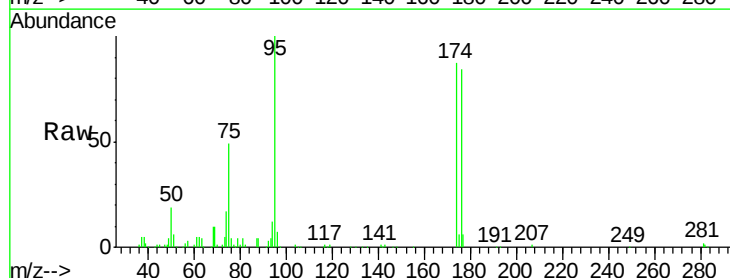
Tgt Ion: 95 Resp: 127223

Ion Ratio Lower Upper

95 100

174 87.9 0.0 151.4

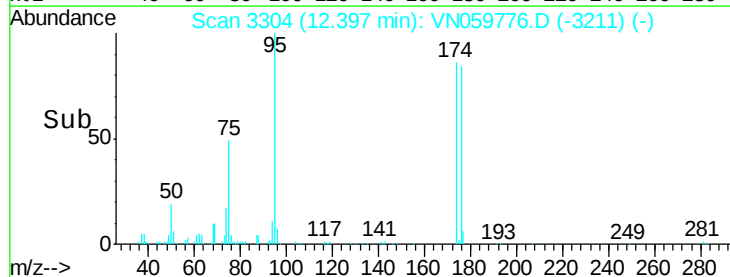
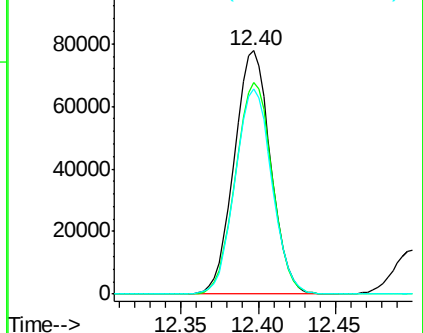
176 85.1 0.0 146.0

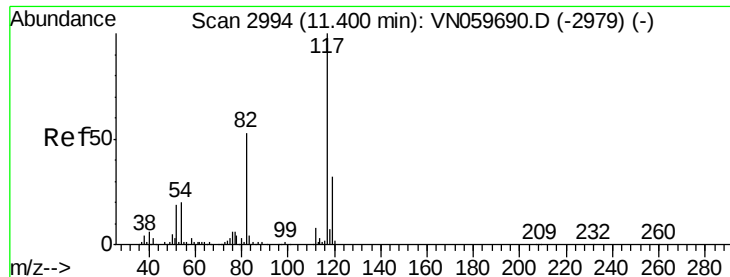


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





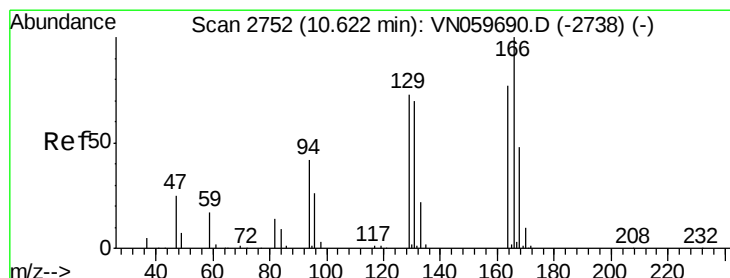
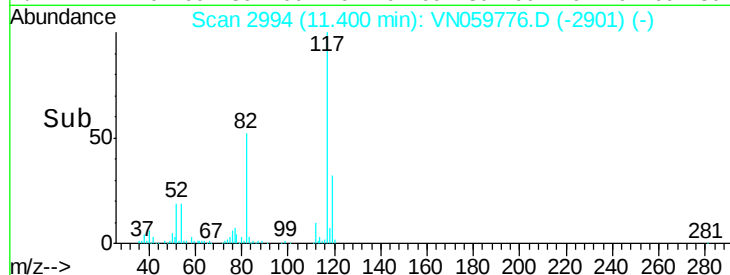
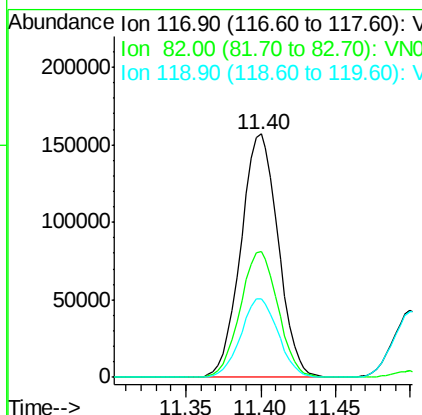
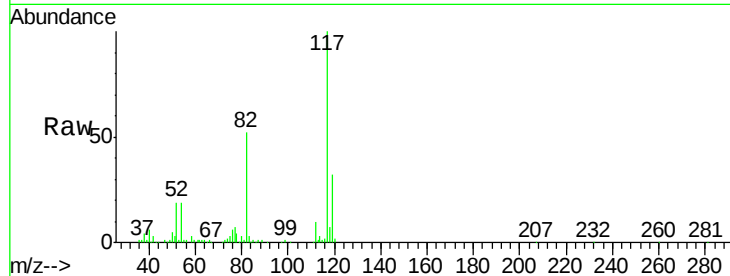
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	45.9	68.9
119	32.5	25.5	38.3

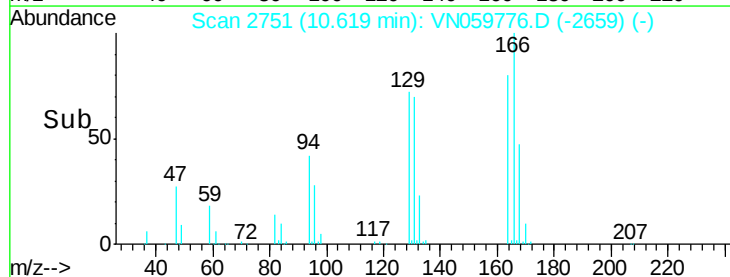
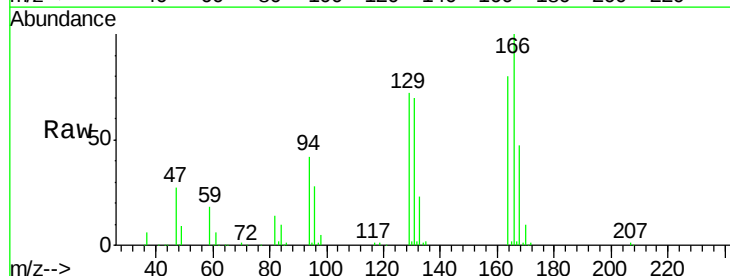
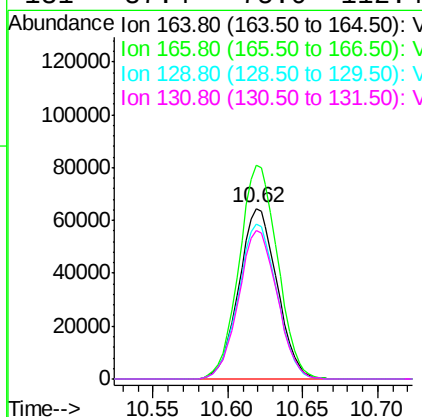
Manual Integrations
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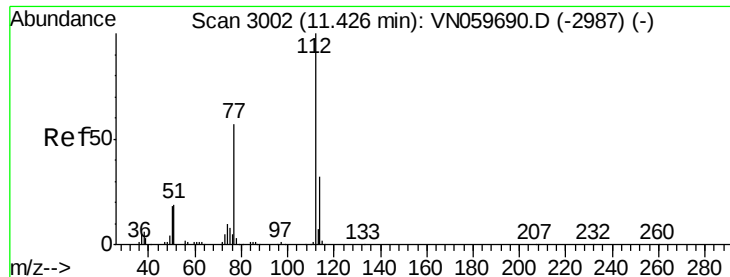
MMDadoda
1/21/2020 11:00:54 AM



#64
Tetrachloroethene
Concen: 51.512 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.4	152.0
129	90.5	80.2	120.4
131	87.4	75.0	112.4





#65

Chlorobenzene

Concen: 52.383 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 280795

Ion Ratio Lower Upper

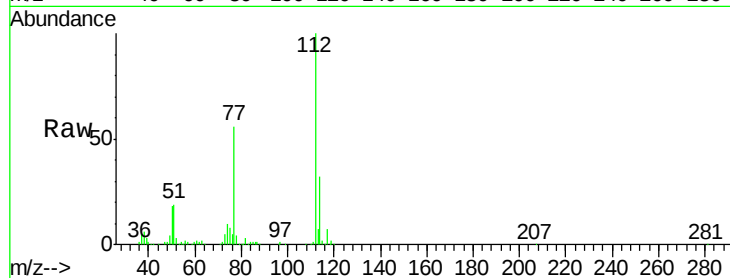
112 100

114 31.6 25.8 38.8

Manual Integrations
APPROVED

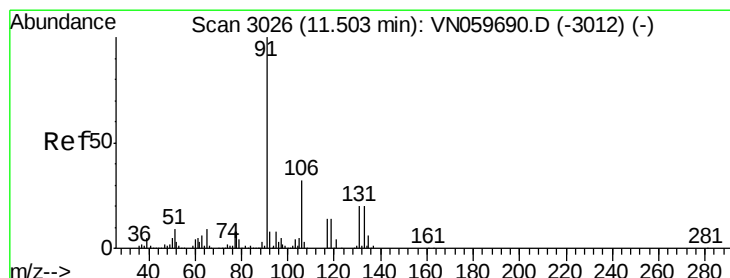
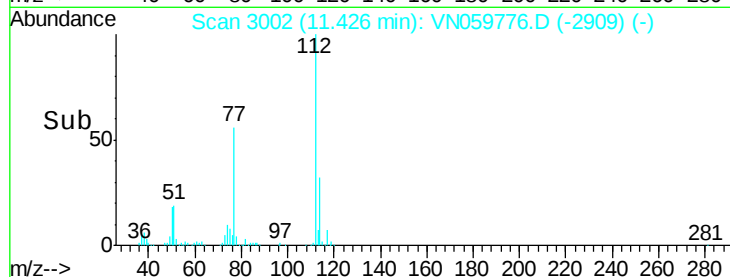
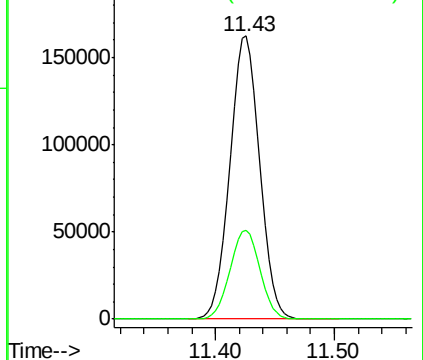
MMDadoda

1/21/2020 11:00:54 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.073 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

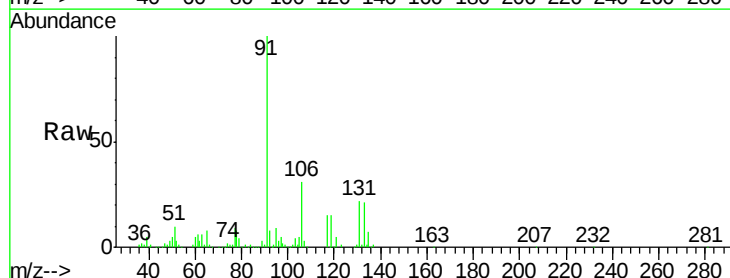
Tgt Ion:131 Resp: 109928

Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.2

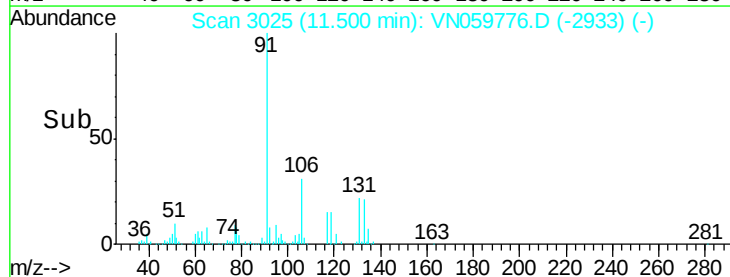
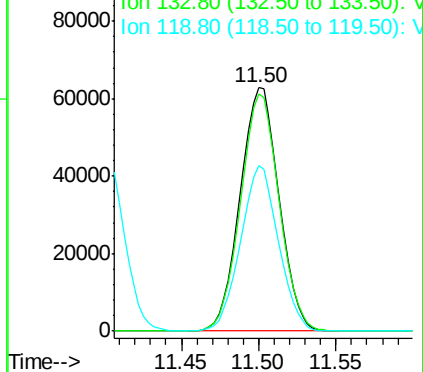
119 66.0 33.1 99.3

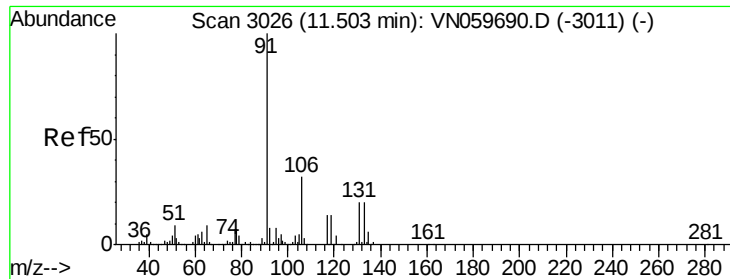


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.574 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 501858

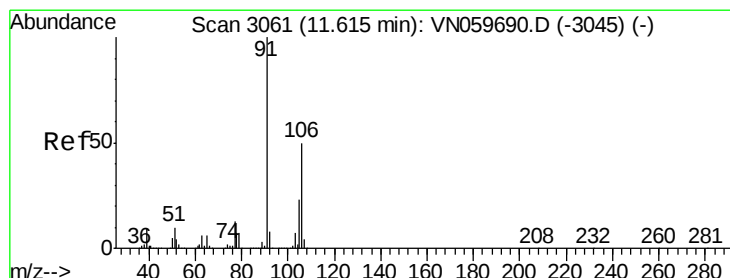
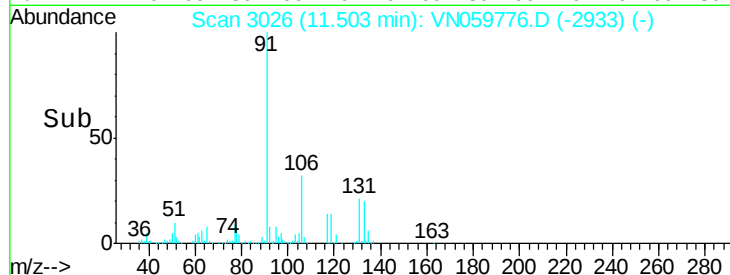
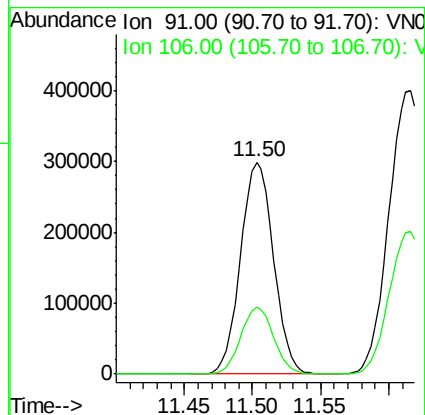
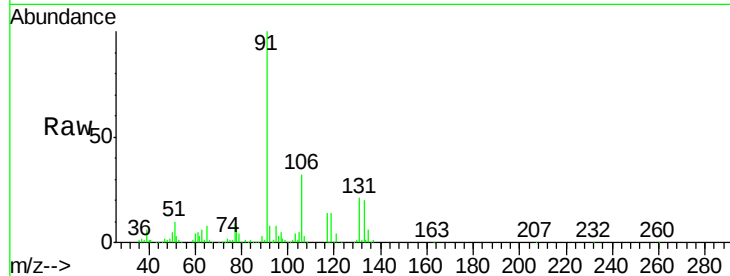
Ion Ratio Lower Upper

91 100

106 31.7 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 104.941 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059776.D

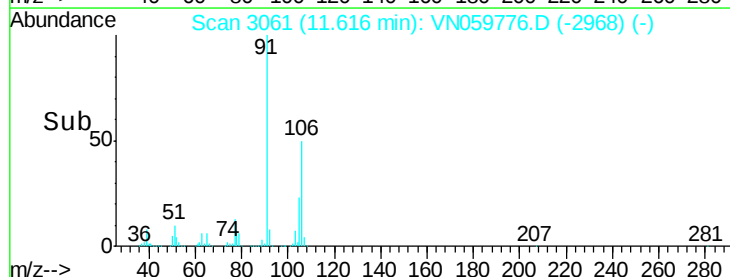
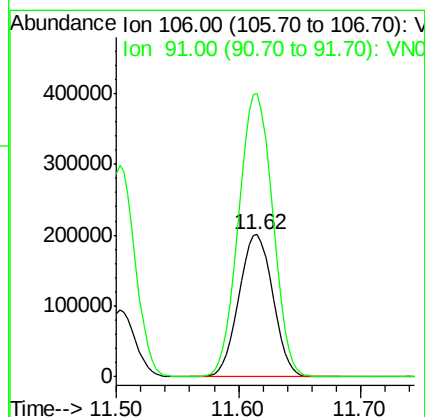
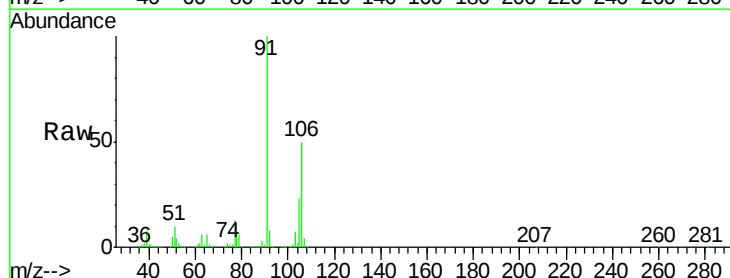
Acq: 20 Jan 2020 10:05

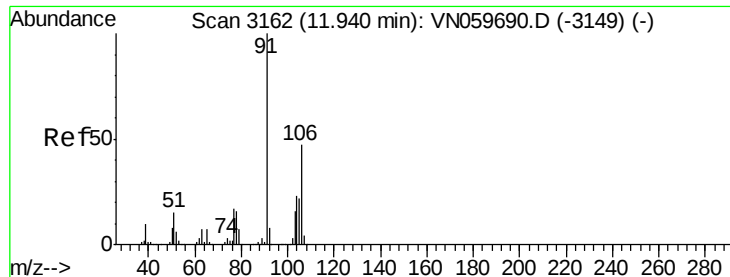
Tgt Ion: 106 Resp: 385736

Ion Ratio Lower Upper

106 100

91 200.4 167.9 251.9





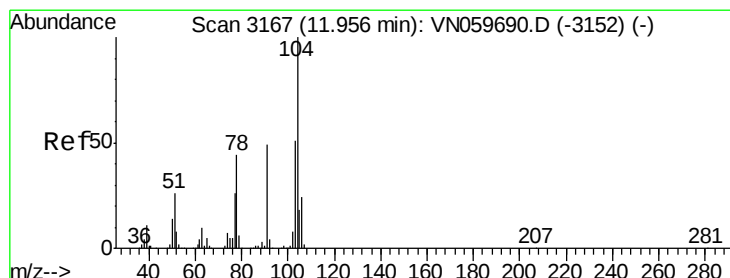
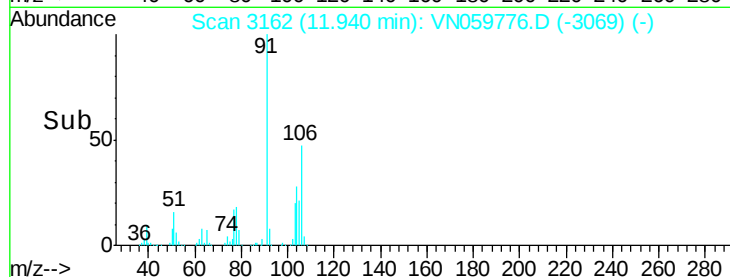
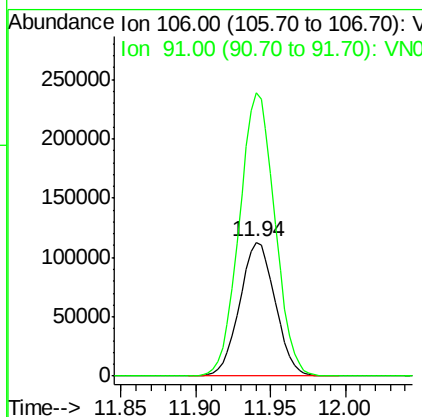
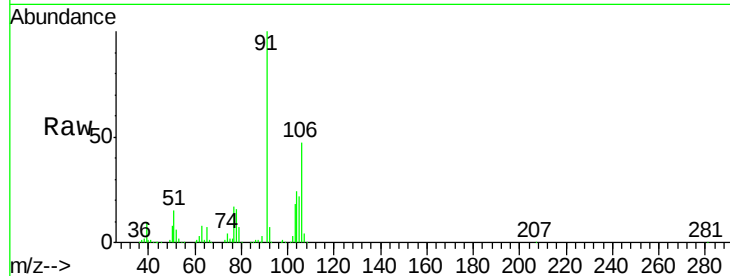
#69
o-Xylene
Concen: 51.888 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.2	110.3	330.9	

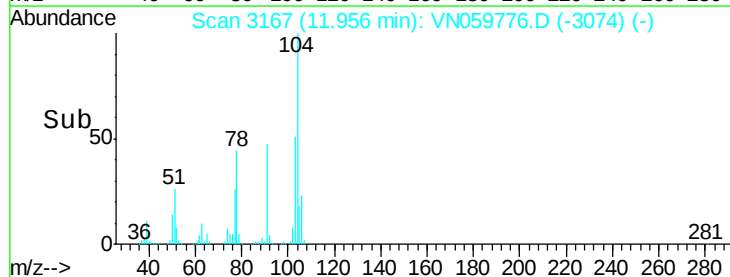
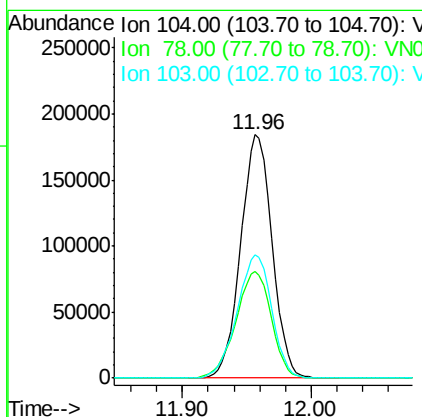
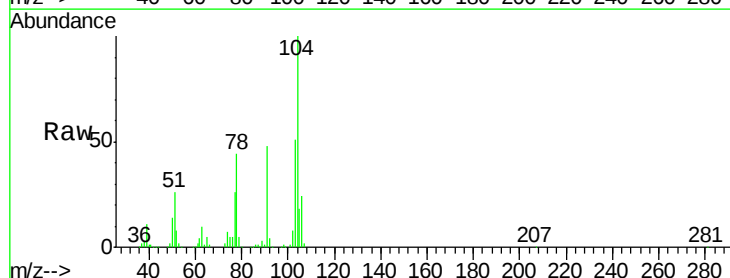
Manual Integrations
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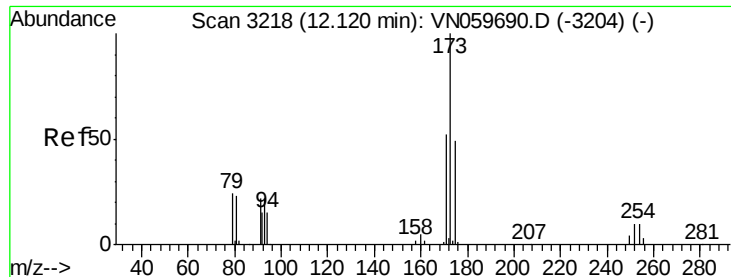
MMDadoda
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#70
Styrene
Concen: 52.056 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.3	42.4	63.6	
103	55.7	43.9	65.9	





#71

Bromoform

Concen: 54.939 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

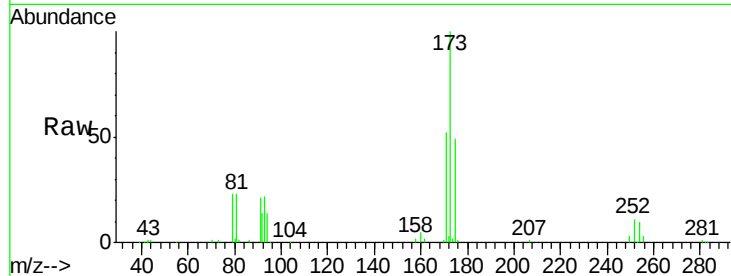
ClientSampleId :

VSTDCCC050

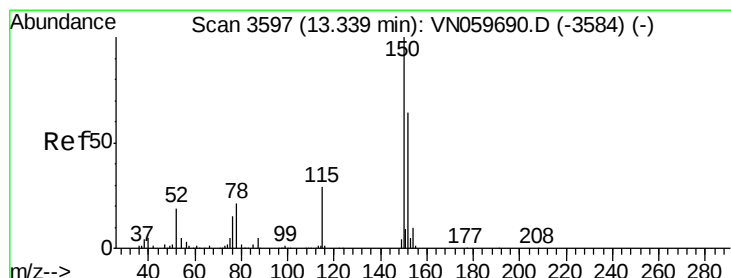
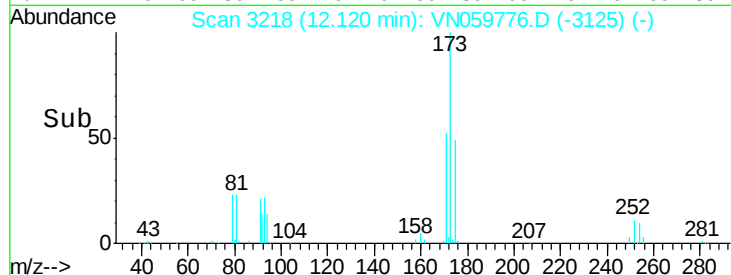
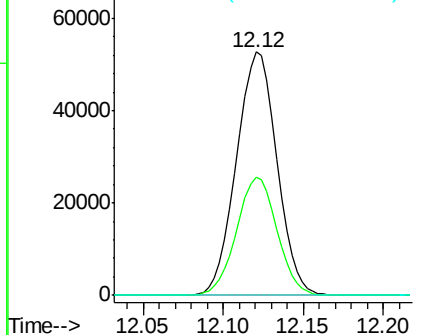
Tot Ion:	173	Resp:	91150
Ion Ratio	Lower	Upper	
173	100		
175	48.5	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

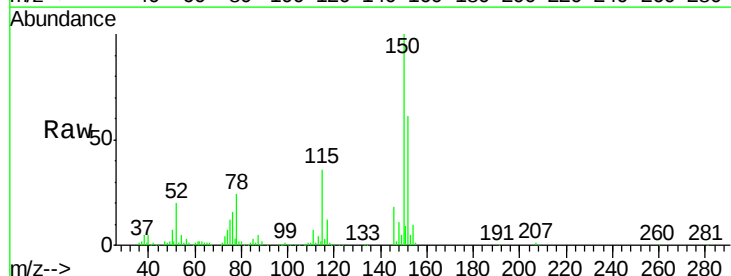
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

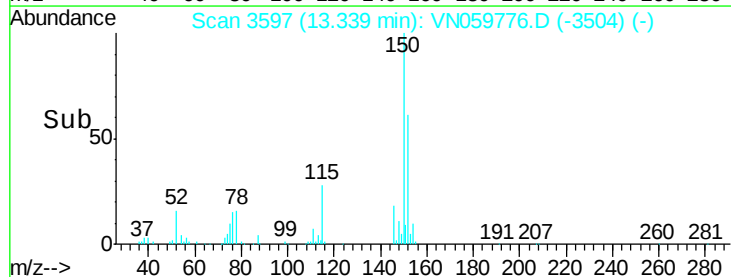
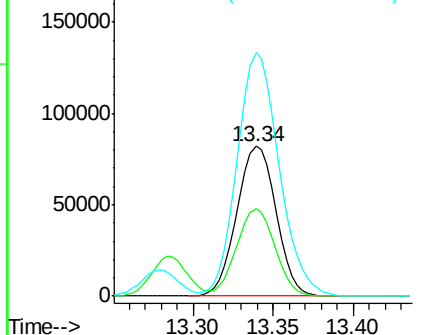
Lab File: VN059776.D

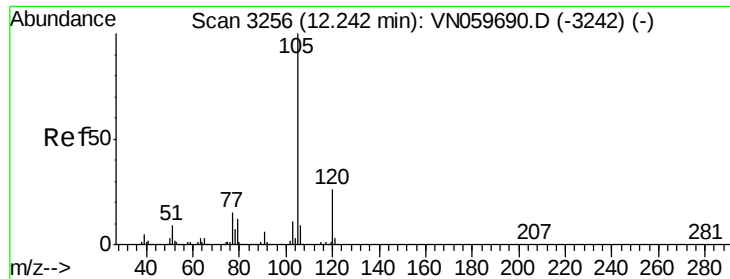
Acq: 20 Jan 2020 10:05

Tgt Ion:	152	Resp:	137026
Ion Ratio	Lower	Upper	
152	100		
115	57.0	30.3	90.9
150	174.2	0.0	345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





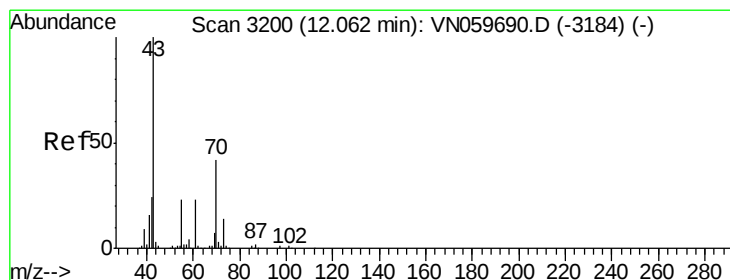
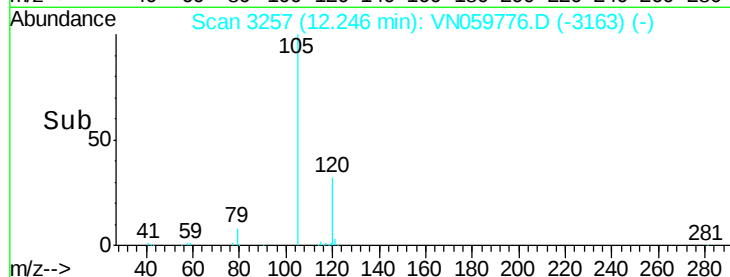
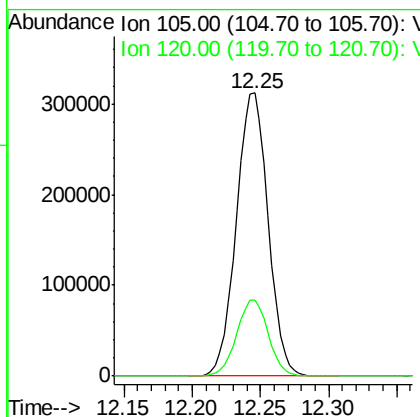
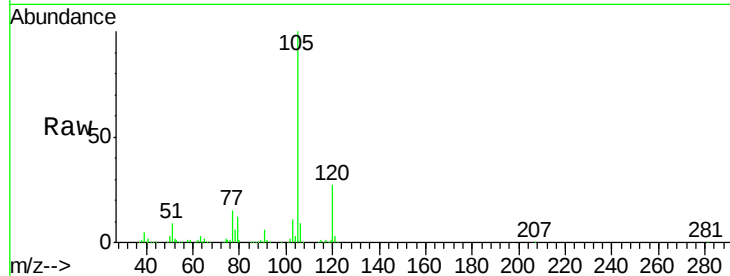
#73
Isopropylbenzene
Concen: 50.161 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.5

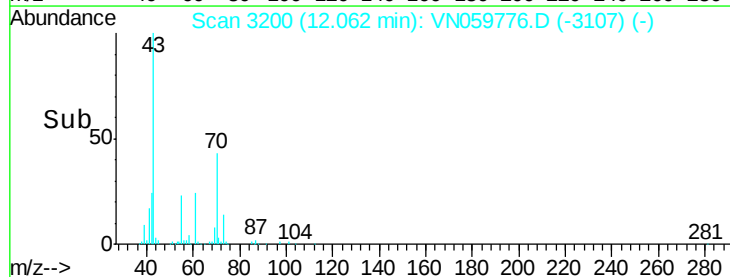
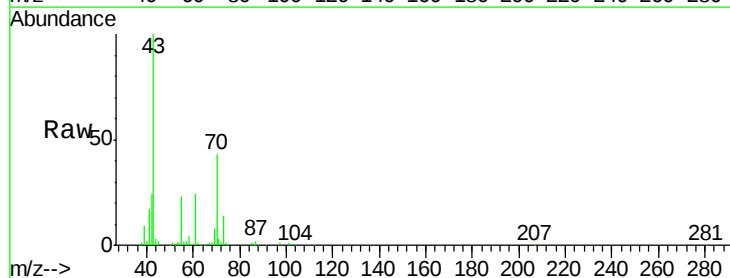
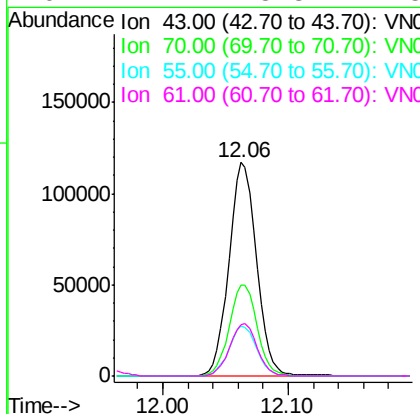
Manual Integrations
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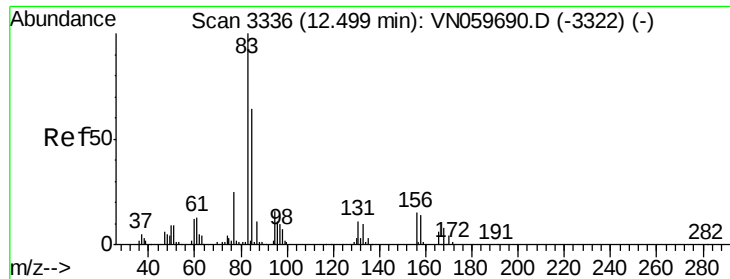
MMDadoda
1/21/2020 11:00:54 AM



#74
N-ethyl acetate
Concen: 45.866 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.8	31.3	46.9
55	23.6	19.8	29.6
61	24.4	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.799 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

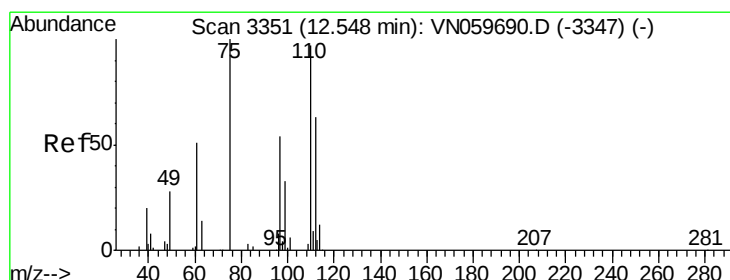
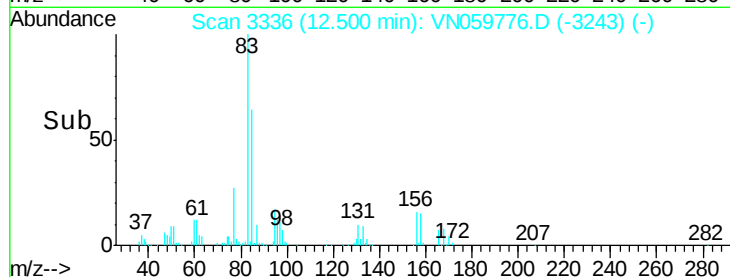
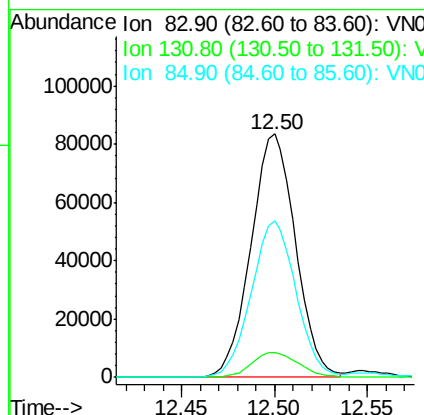
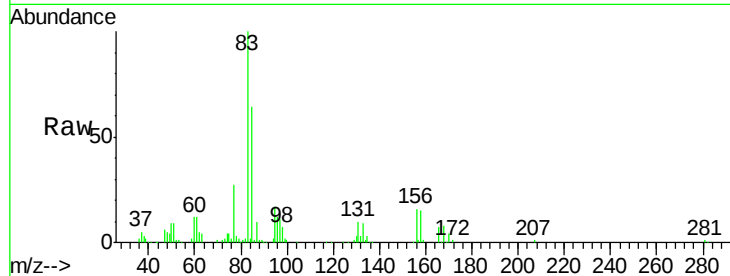
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	139254
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	14.9
85	64.5	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.544 ug/l m

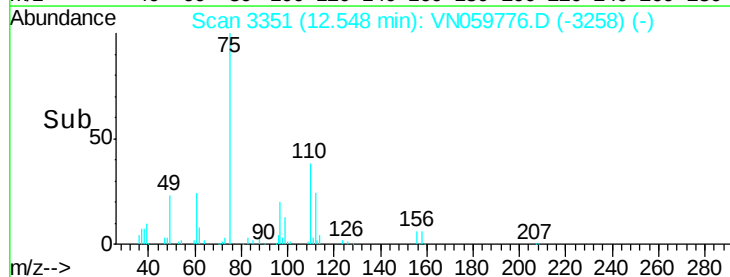
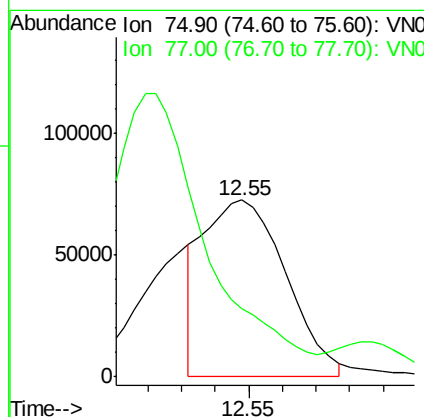
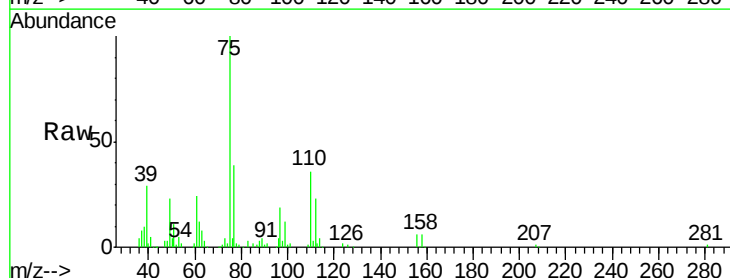
RT: 12.55 min Scan# 3351

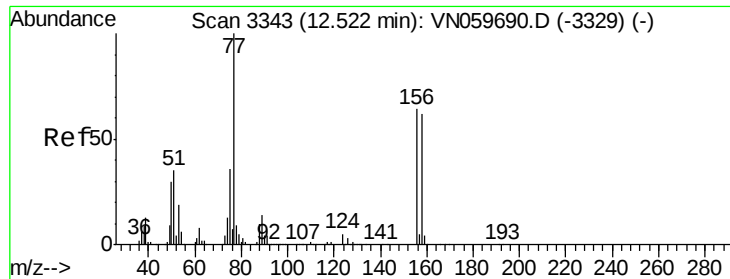
Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Tgt Ion:	75	Resp:	123473
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.179 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

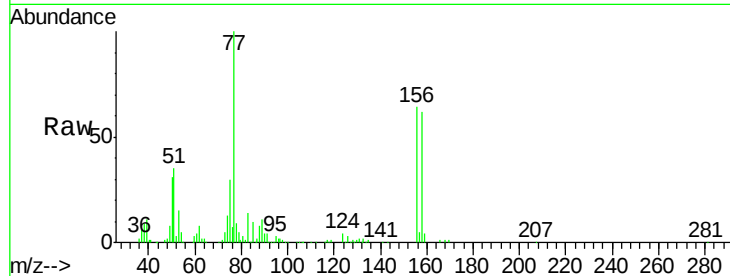
ClientSampleId :

VSTDCCC050

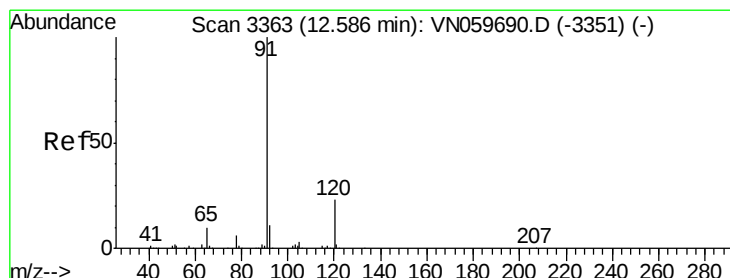
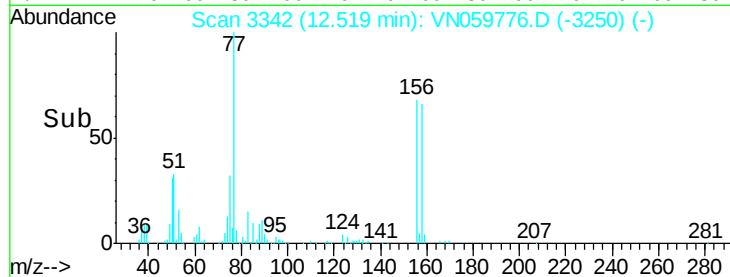
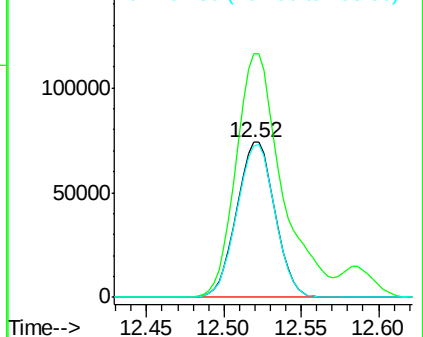
Tot Ion:	156	Resp:	127701
Ion Ratio	Lower	Upper	
156	100		
77	188.6	115.8	347.4
158	98.2	49.2	147.6

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.775 ug/l

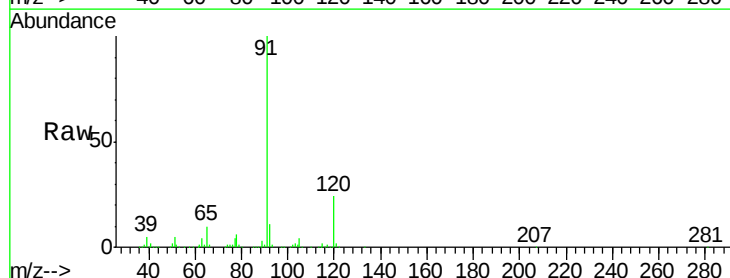
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

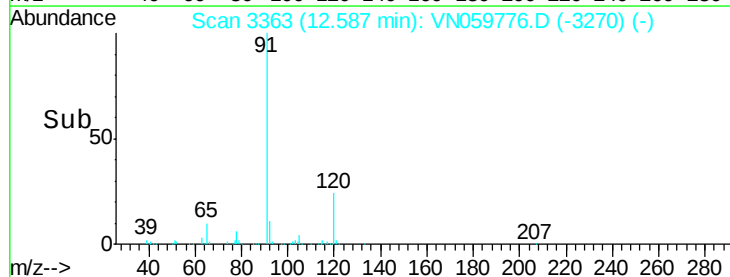
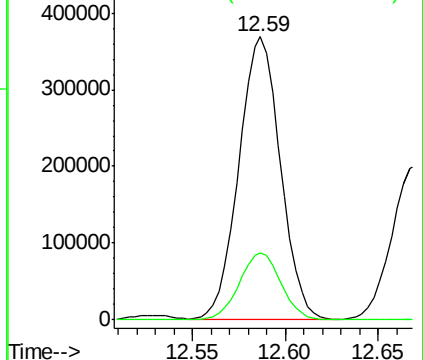
Lab File: VN059776.D

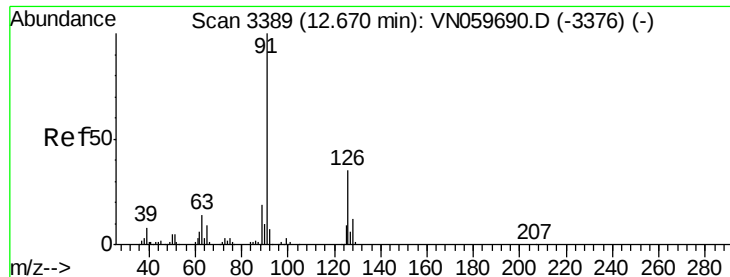
Acq: 20 Jan 2020 10:05

Tgt Ion:	91	Resp:	572710
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.324 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 330974

Ion Ratio Lower Upper

91 100

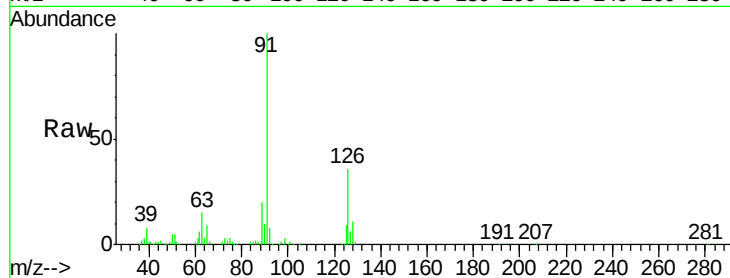
126 35.7 16.3 48.9

Manual Integrations

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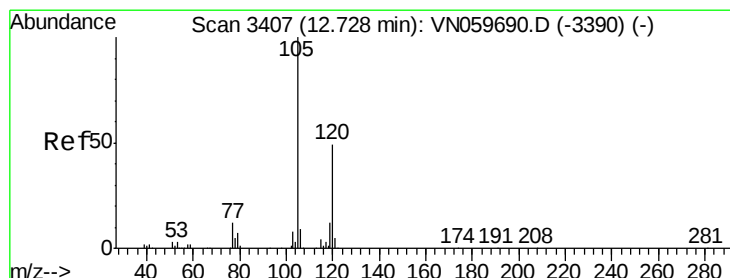
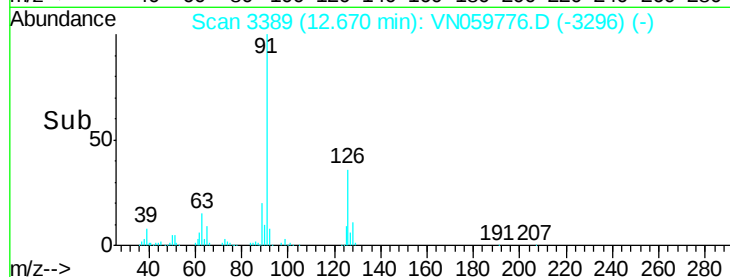
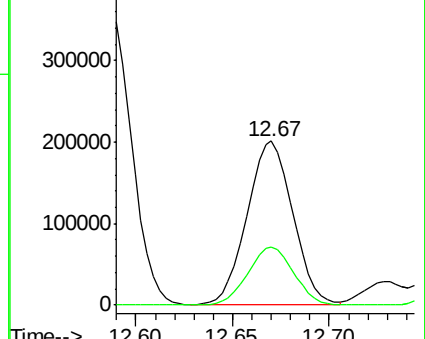
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Abundance Ion 91.00 (90.70 to 91.70): VN059776.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN059776.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.468 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059776.D

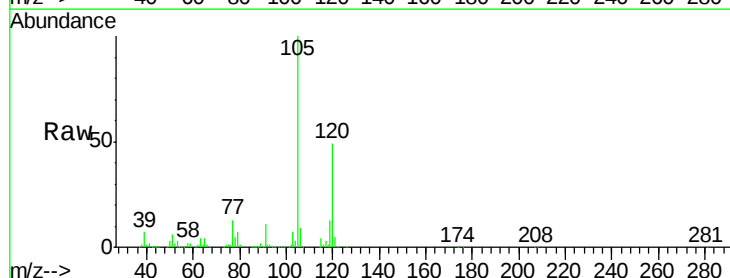
Acq: 20 Jan 2020 10:05

Tgt Ion: 105 Resp: 426534

Ion Ratio Lower Upper

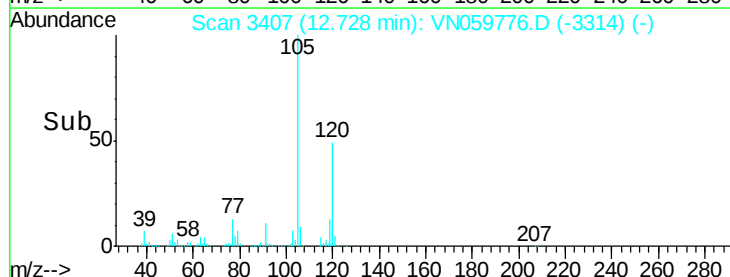
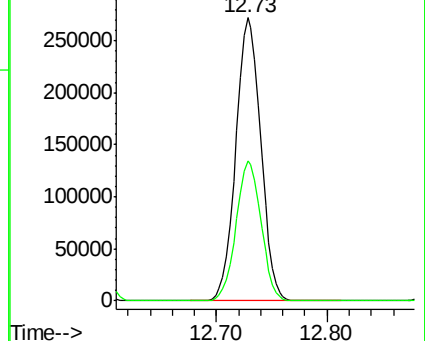
105 100

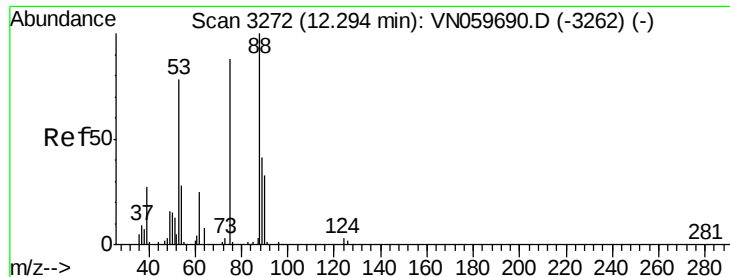
120 49.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059776.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059776.D (-3314) (-)





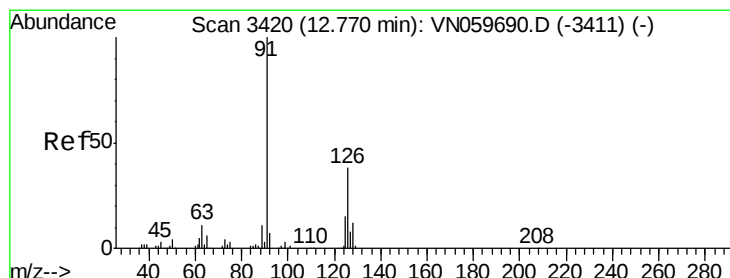
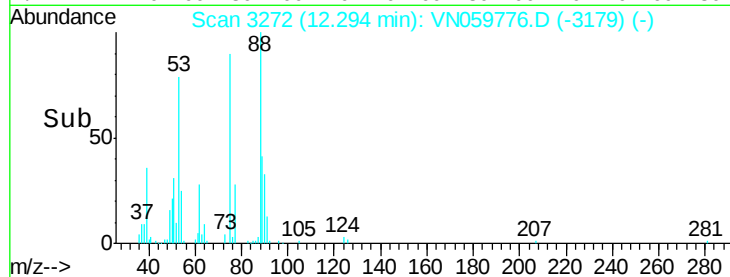
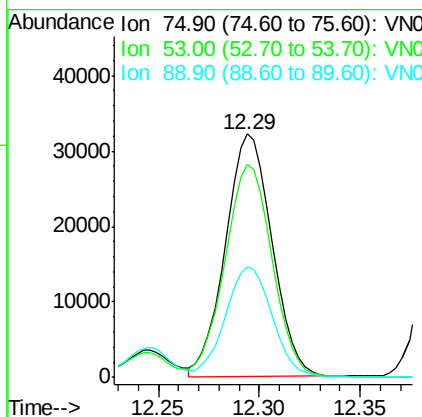
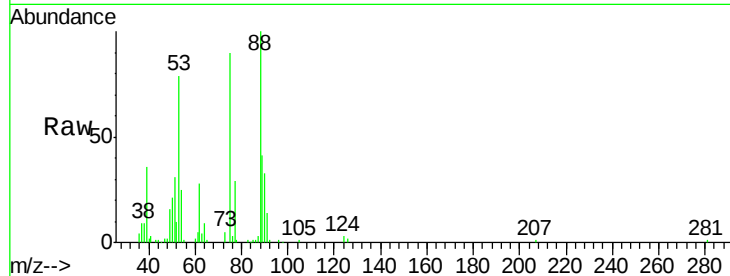
#81
trans-1,4-Dichloro-2-butene
Concen: 48.293 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	78.1	117.1
89	46.3	35.4	53.2

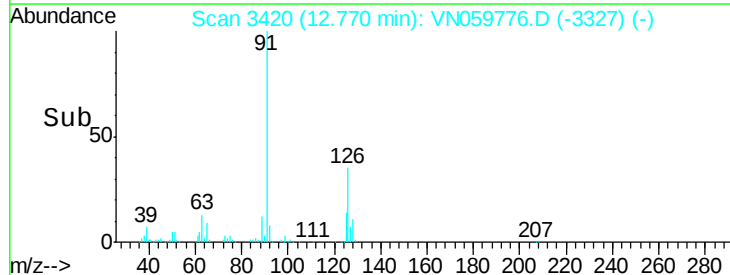
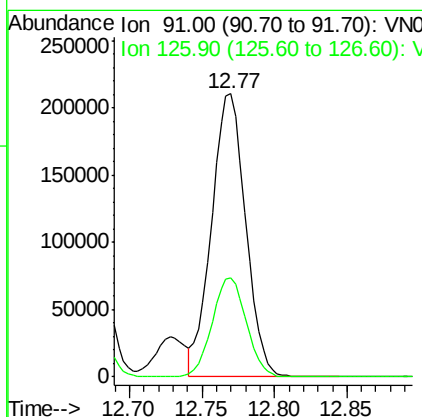
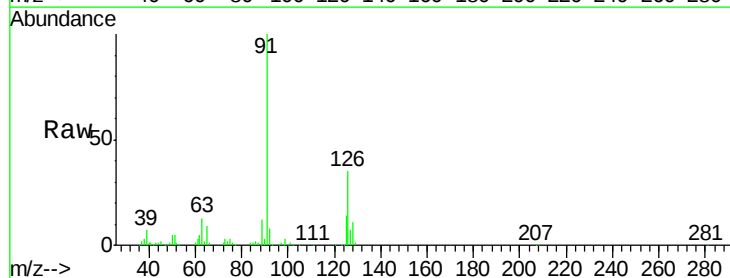
Manual Integrations
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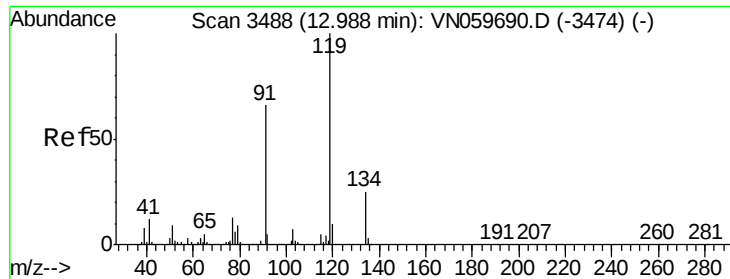
MMDadoda
1/21/2020 11:00:54 AM



#82
4-Chlorotoluene
Concen: 51.166 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.3	48.8





#83

tert-Butylbenzene

Concen: 49.989 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

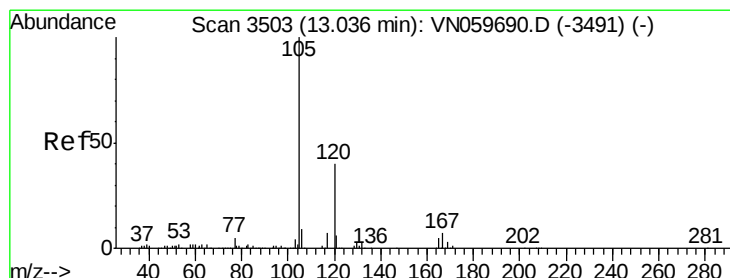
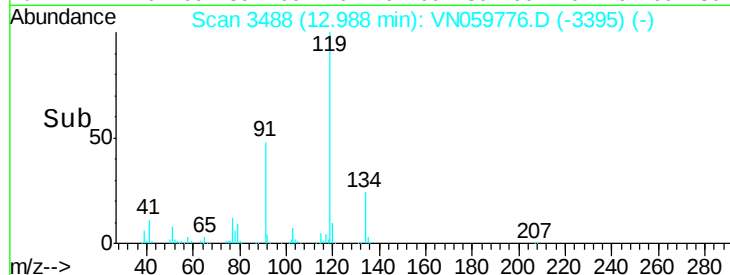
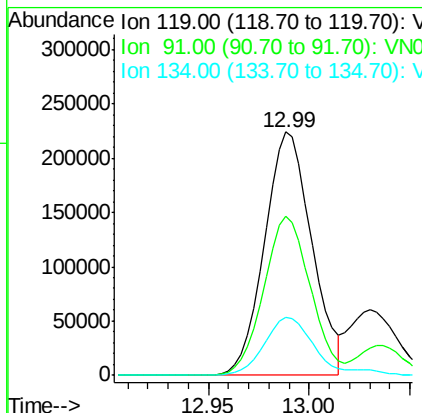
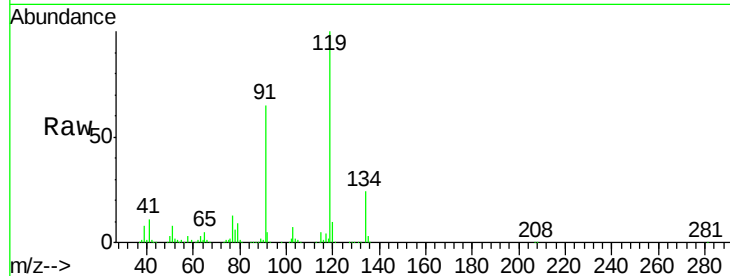
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	365398
Ion Ratio	Lower	Upper	
119	100		
91	64.6	34.8	104.4
134	24.3	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.043 ug/l

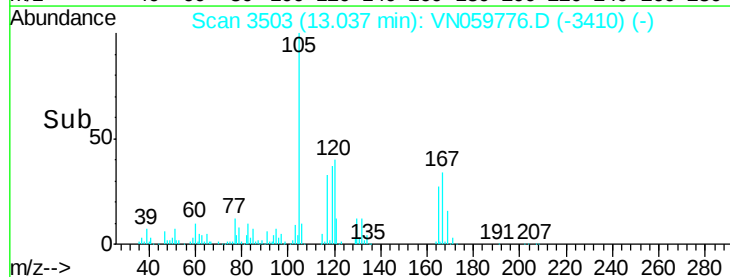
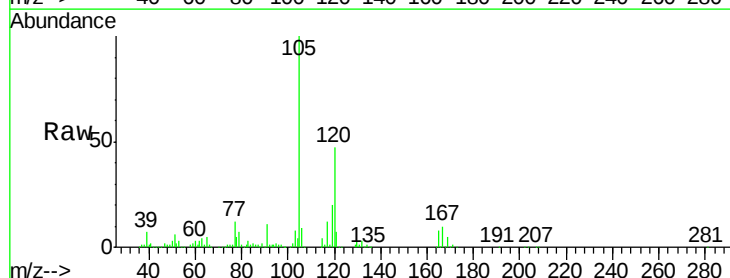
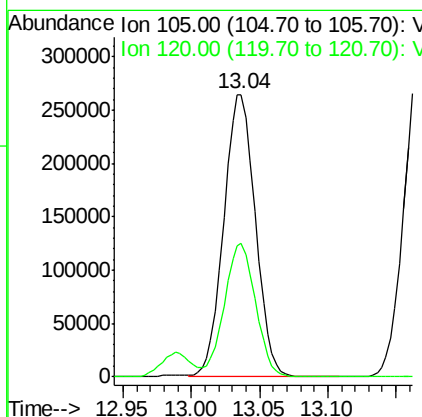
RT: 13.04 min Scan# 3503

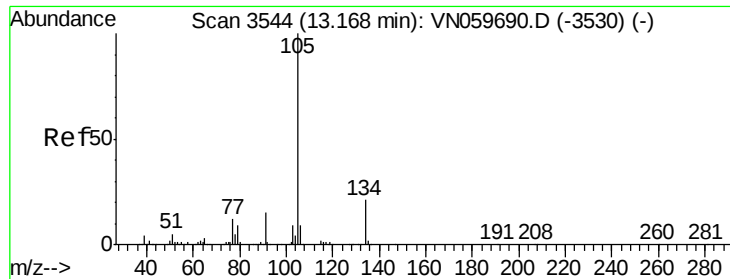
Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Tgt Ion:	105	Resp:	426780
Ion Ratio	Lower	Upper	
105	100		
120	46.5	22.3	66.9





#85

sec-Butylbenzene

Concen: 51.112 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 490855

Ion Ratio Lower Upper

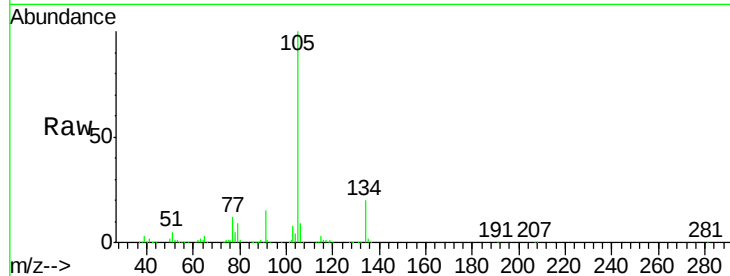
105 100

134 20.3 9.8 29.5

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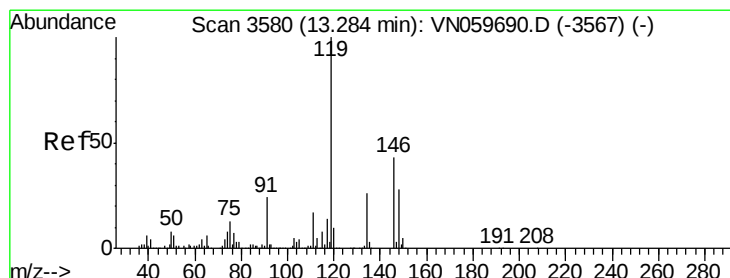
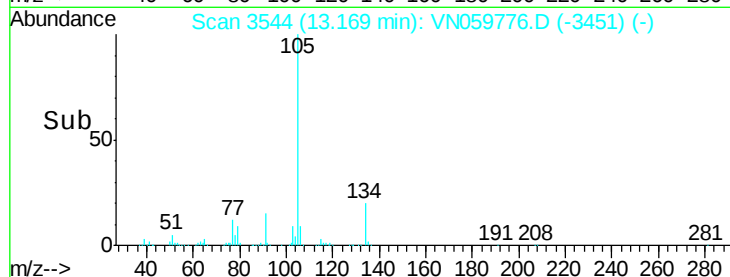
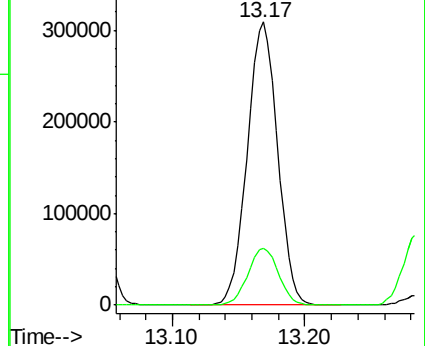
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.358 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059776.D

Acq: 20 Jan 2020 10:05

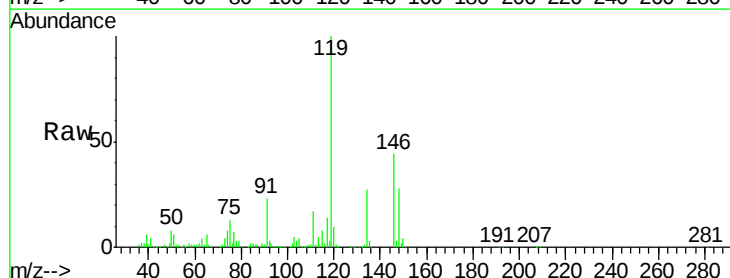
Tgt Ion:119 Resp: 456375

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.7

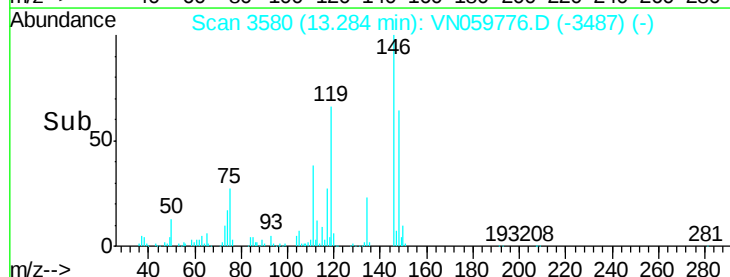
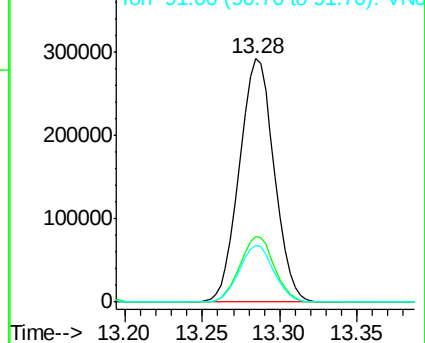
91 23.4 12.4 37.4

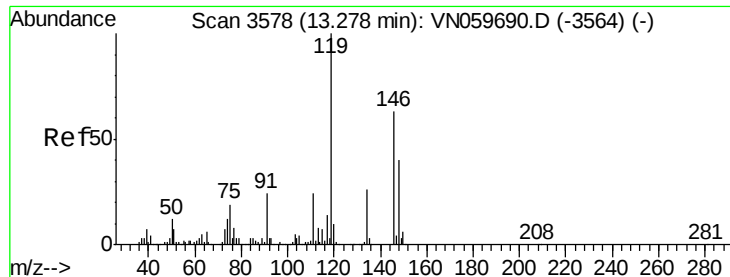


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





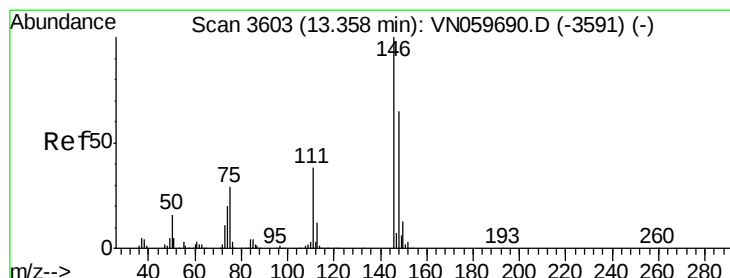
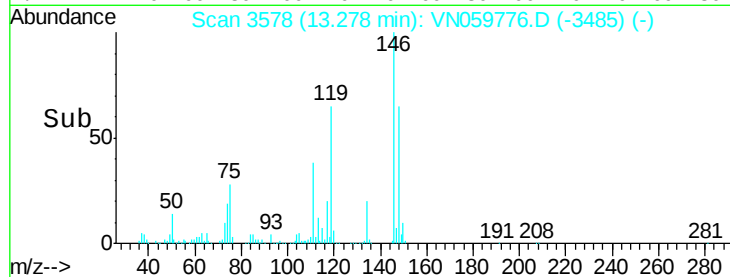
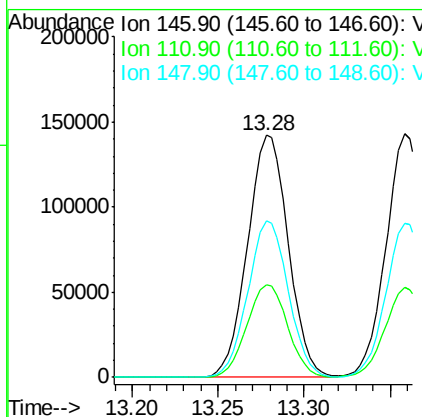
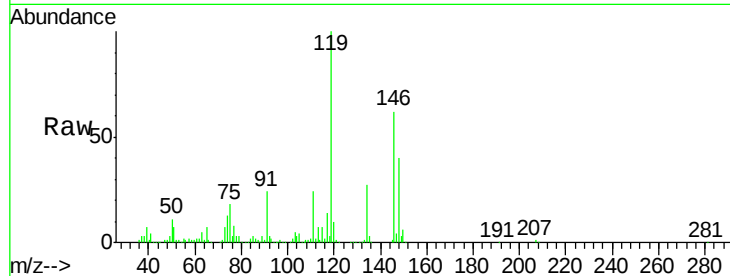
#87
 1,3-Dichlorobenzene
 Concen: 52.898 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	233840		
111	38.4	20.8	62.2	
148	64.3	32.0	96.0	

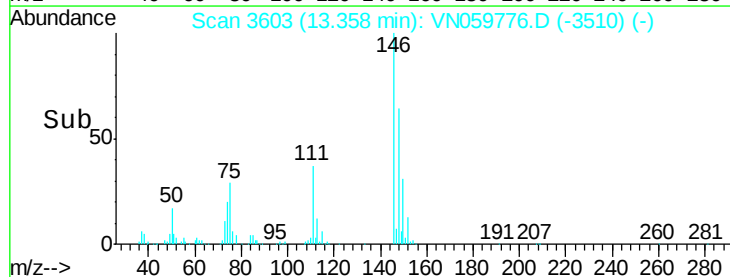
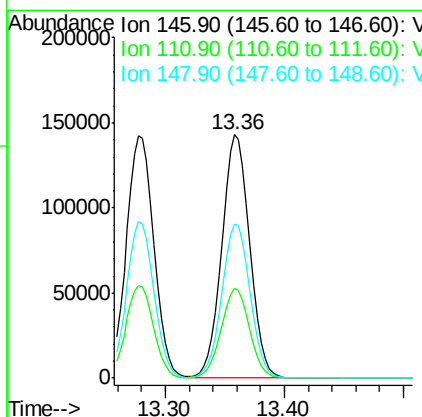
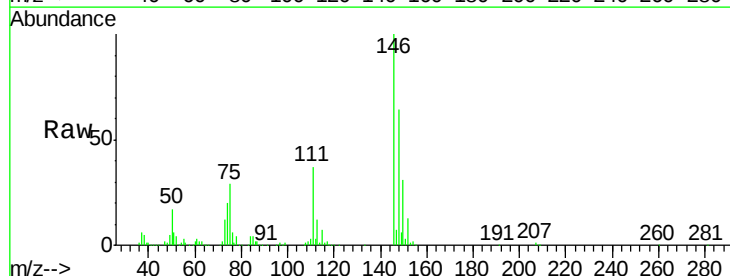
Manual Integrations
 APPROVED

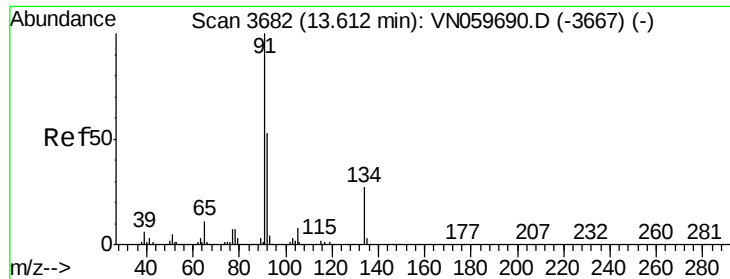
MMDadoda
 1/21/2020 11:00:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.722 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	232505		
111	37.6	20.8	62.2	
148	64.4	31.8	95.4	





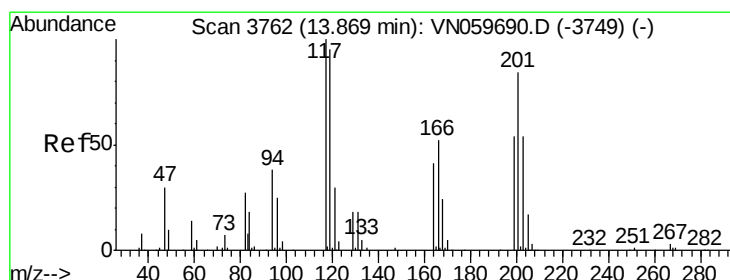
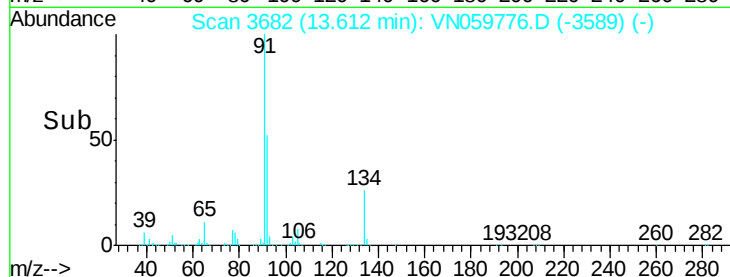
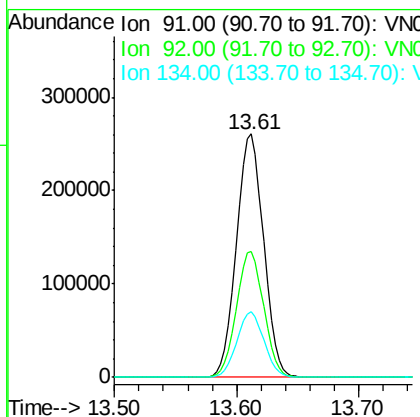
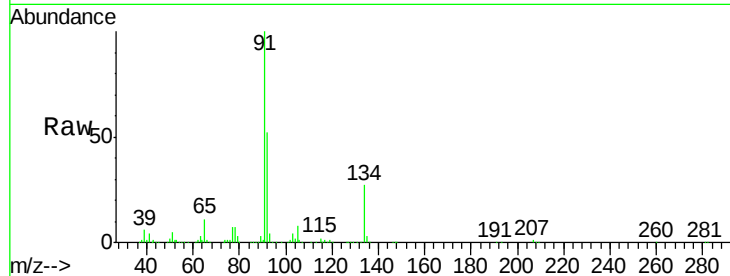
#89
n-Butylbenzene
Concen: 53.063 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	26.8	12.3	36.8

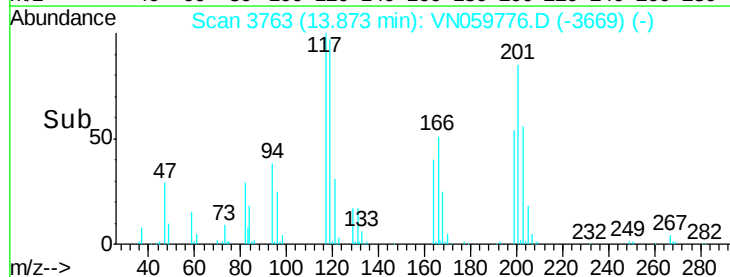
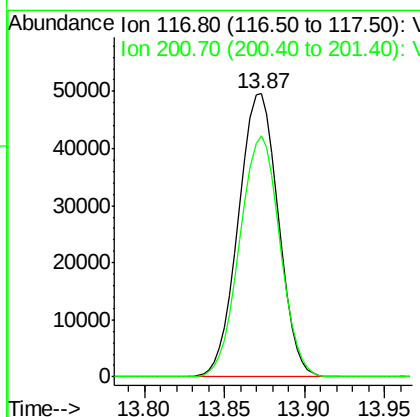
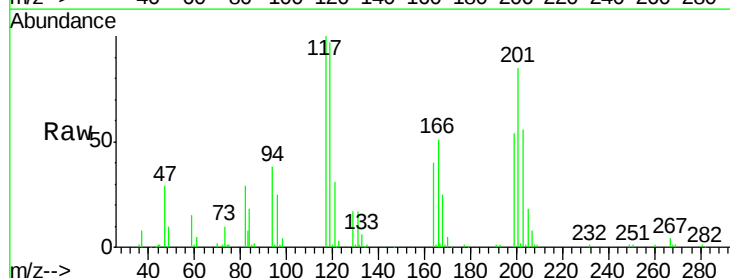
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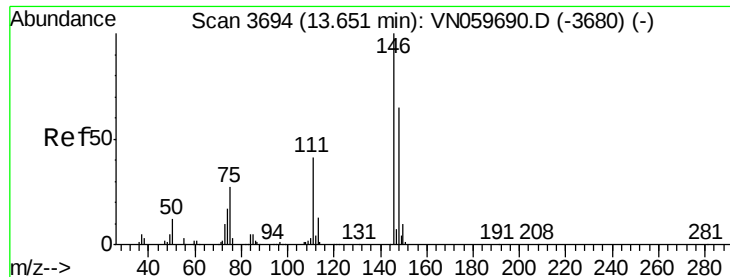
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1/21/2020 11:00:54 AM



#90
Hexachloroethane
Concen: 50.869 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	37.8	113.4





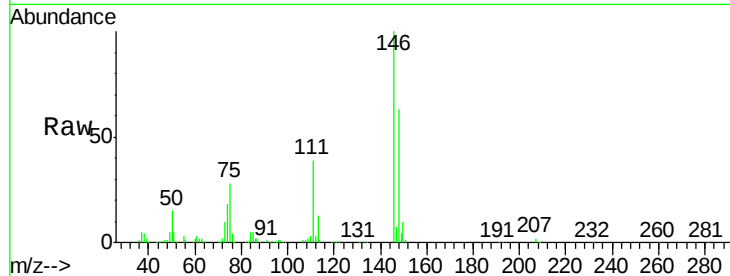
#91
 1,2-Dichlorobenzene
 Concen: 52.163 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

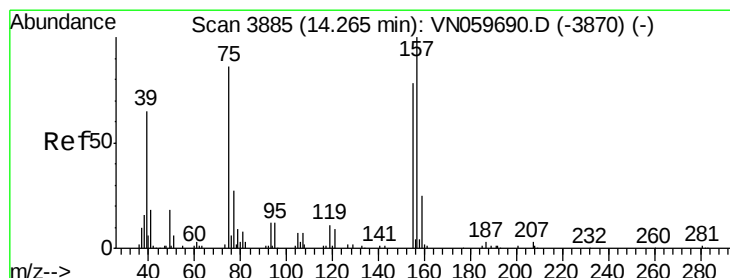
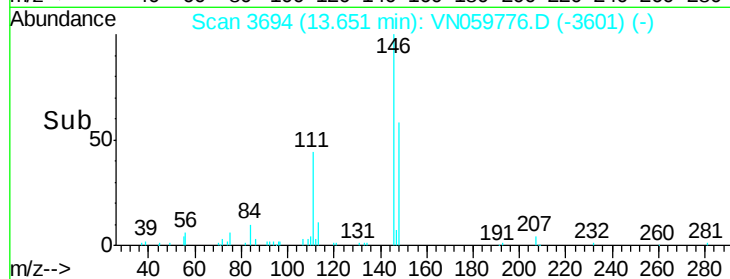
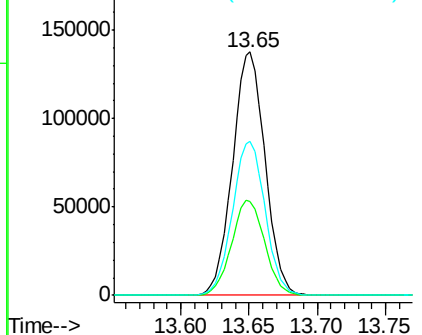
Tot Ion	Ratio	Resp	Lower	Upper
146	100	227967		
111	39.6		21.6	64.8
148	63.6		31.6	95.0

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 1/21/2020 11:00:54 AM

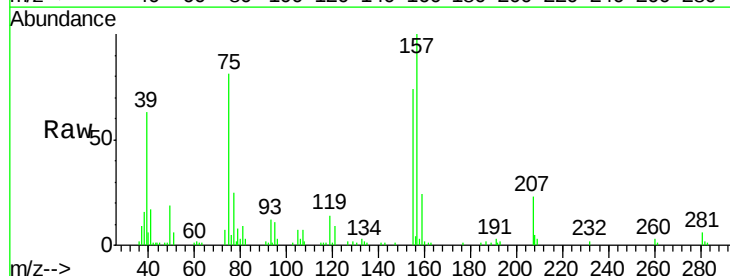


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

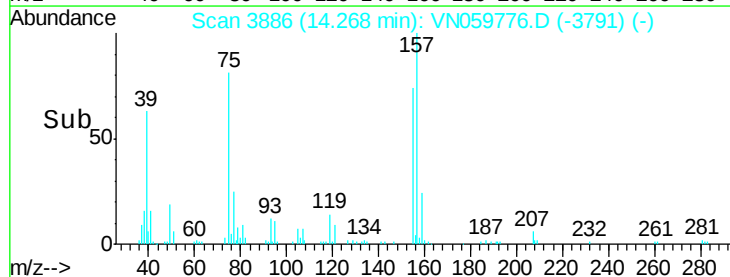
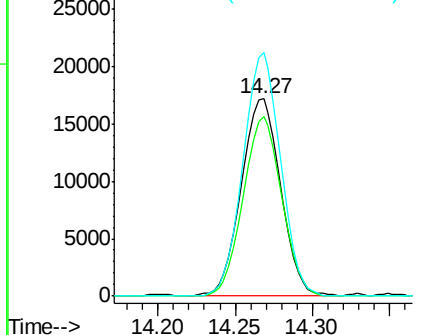


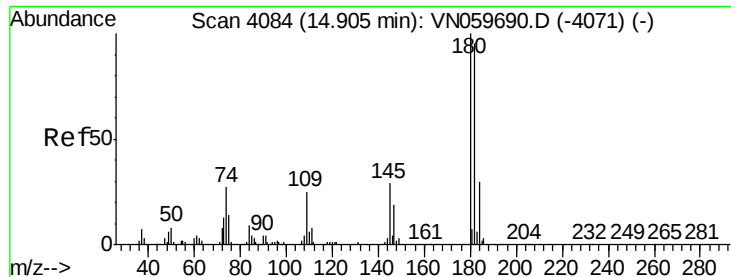
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.914 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30615		
155	88.5		37.0	110.9
157	117.0		48.4	145.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





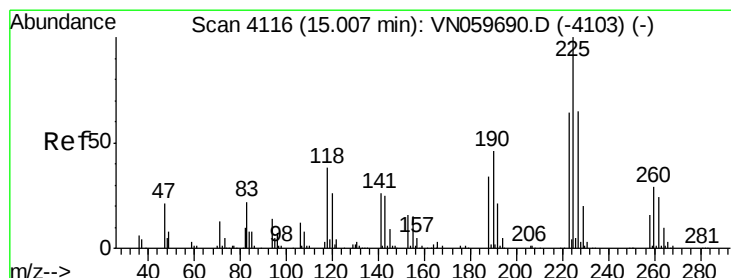
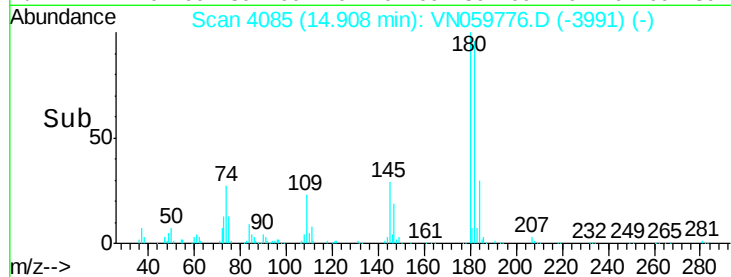
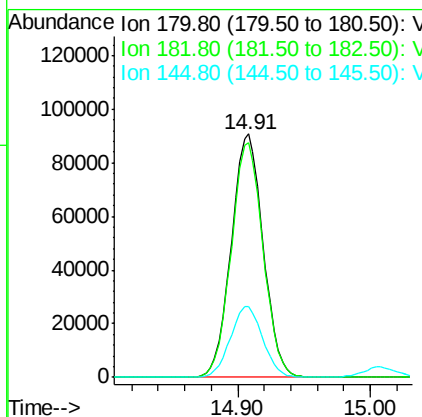
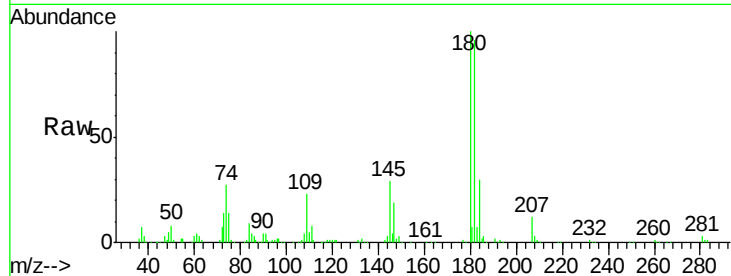
#93
 1,2,4-Trichlorobenzene
 Concen: 57.540 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151101		
182	96.3	46.9	140.7	
145	29.6	15.0	45.1	

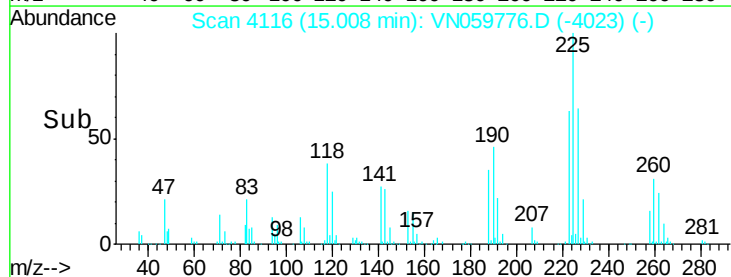
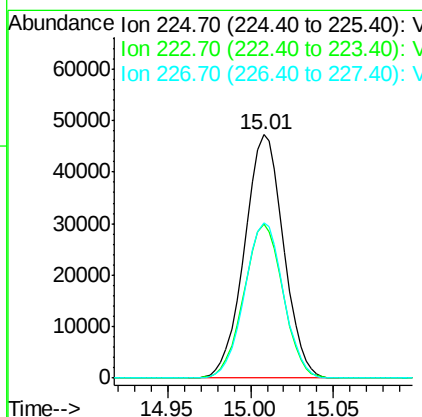
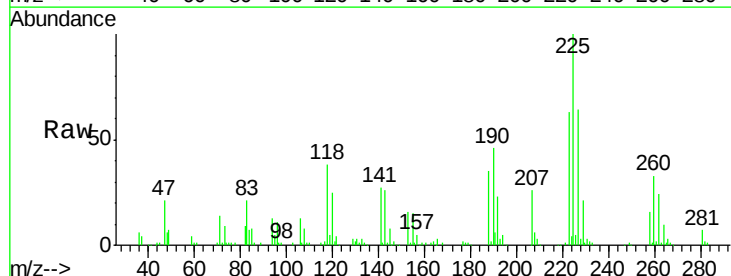
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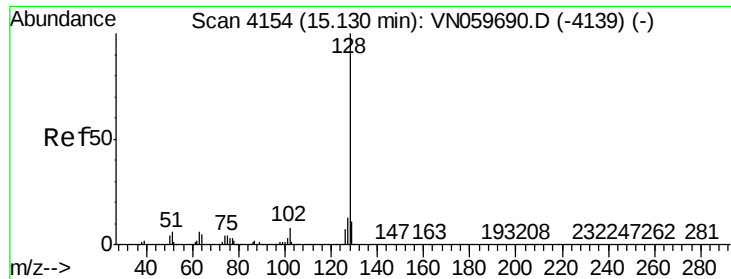
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 1/21/2020 11:00:54 AM



#94
 Hexachlorobutadiene
 Concen: 53.427 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059776.D
 Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77314		
223	63.2	31.8	95.3	
227	63.6	32.1	96.5	





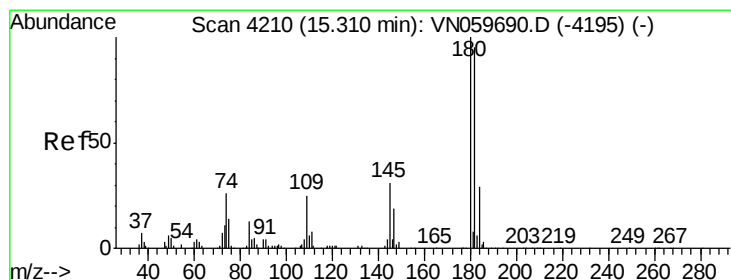
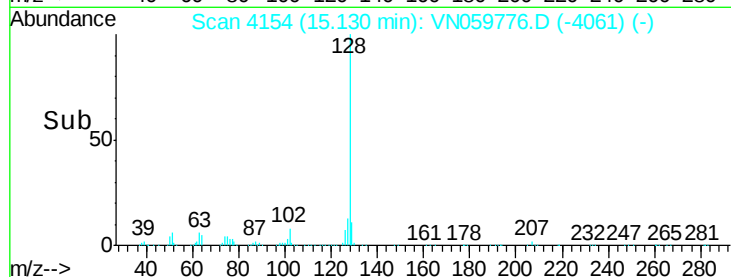
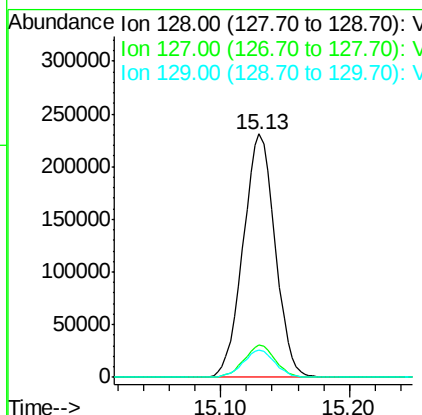
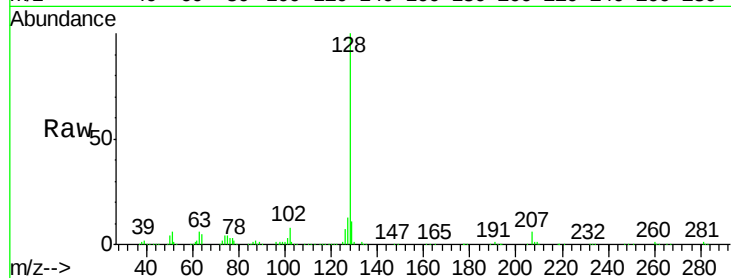
#95
Naphthalene
Concen: 53.251 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	12.8

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1/21/2020 11:00:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.285 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN059776.D
Acq: 20 Jan 2020 10:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.3
145	31.8	16.3	48.9

