

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059833.D
 Acq On : 24 Jan 2020 9:44
 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
 1/27/2020 11:15:28 AM

Quant Time: Jan 25 00:36:51 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	210381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143016	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	117011	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	7.56	113	98952	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
50) Toluene-d8	10.08	98	379632	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.40	95	136756	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	117753	47.447	ug/l	97
3) Chloromethane	2.04	50	107456	44.614	ug/l	99
4) Vinyl Chloride	2.17	62	139864	50.752	ug/l	96
5) Bromomethane	2.53	94	84456	50.217	ug/l	100
6) Chloroethane	2.68	64	66323	50.869	ug/l	99
7) Trichlorofluoromethane	3.00	101	168133	50.802	ug/l	99
8) Diethyl Ether	3.38	74	58316	50.208	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	97758	53.071	ug/l	92
10) Methyl Iodide	3.93	142	146838	49.317	ug/l	95
11) Tert butyl alcohol	4.73	59	89826	228.385	ug/l	100
12) 1,1-Dichloroethene	3.72	96	93710	48.687	ug/l	89
13) Acrolein	3.58	56	64782	232.681	ug/l	96
14) Allyl chloride	4.29	41	127053	48.973	ug/l #	87
15) Acrylonitrile	4.94	53	219068	244.177	ug/l	100
16) Acetone	3.78	43	264759	335.685	ug/l	94
17) Carbon Disulfide	4.03	76	244135	44.526	ug/l	99
18) Methyl Acetate	4.28	43	132350	48.498	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	318125	50.693	ug/l	94
20) Methylene Chloride	4.52	84	105938	50.121	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	100896	49.314	ug/l	87
22) Diisopropyl ether	5.91	45	290958	49.489	ug/l #	96
23) Vinyl Acetate	5.86	43	1110303	243.915	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	179052	49.842	ug/l	98
25) 2-Butanone	6.80	43	326067	246.451	ug/l #	90
26) 2,2-Dichloropropane	6.80	77	174395	50.496	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	118142	50.204	ug/l	88
28) Bromochloromethane	7.17	49	73653	51.297	ug/l #	73
29) Tetrahydrofuran	7.18	42	182562	223.018	ug/l #	86
30) Chloroform	7.35	83	191937	51.566	ug/l	100
31) Cyclohexane	7.63	56	154380	44.660	ug/l	88
32) 1,1,1-Trichloroethane	7.54	97	176142	51.181	ug/l	96
36) 1,1-Dichloropropene	7.77	75	141195	50.573	ug/l	96
37) Ethyl Acetate	6.90	43	121764	46.500	ug/l	98
38) Carbon Tetrachloride	7.75	117	156398	51.497	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	170374	49.492	ug/l	91
40) Benzene	8.02	78	416734	50.049	ug/l	100
41) Methacrylonitrile	7.15	41	56493m	43.800	ug/l	
42) 1,2-Dichloroethane	8.10	62	144466	51.173	ug/l	96
43) Isopropyl Acetate	8.14	43	211697	47.002	ug/l #	94
44) Trichloroethene	8.82	130	122575	53.926	ug/l	93
45) 1,2-Dichloropropane	9.10	63	107016	51.940	ug/l	100
46) Dibromomethane	9.19	93	74619	51.341	ug/l	91
47) Bromodichloromethane	9.39	83	156081	53.291	ug/l	99
48) Methyl methacrylate	9.18	41	93122	46.223	ug/l #	88
49) 1,4-Dioxane	9.18	88	37706	1022.374	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	607449	233.307	ug/l	94
52) Toluene	10.14	92	272625	51.836	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	173557	53.070	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	183336	53.280	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	107739	51.723	ug/l	97
56) Ethyl methacrylate	10.42	69	157133	49.368	ug/l	91
57) 1,3-Dichloropropane	10.70	76	175443	53.051	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	207721	216.672	ug/l	90
59) 2-Hexanone	10.74	43	475940	248.129	ug/l	94
60) Dibromochloromethane	10.89	129	129692	54.675	ug/l	99
61) 1,2-Dibromoethane	10.99	107	114319	52.362	ug/l	98
64) Tetrachloroethene	10.62	164	125075	52.953	ug/l	95
65) Chlorobenzene	11.43	112	300337	52.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	118878	54.009	ug/l	99
67) Ethyl Benzene	11.50	91	540212	52.241	ug/l	97
68) m/p-Xylenes	11.62	106	408086	104.473	ug/l	94
69) o-Xylene	11.94	106	197531	51.654	ug/l	95
70) Styrene	11.96	104	332853	52.015	ug/l	97
71) Bromoform	12.12	173	97639	55.379	ug/l #	100
73) Isopropylbenzene	12.25	105	536475	51.148	ug/l	99
74) N-amyl acetate	12.06	43	183872	45.178	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	146466	48.169	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133108m	55.305	ug/l	
77) Bromobenzene	12.52	156	135376	50.967	ug/l	82
78) n-propylbenzene	12.59	91	607502	51.603	ug/l	97
79) 2-Chlorotoluene	12.67	91	354758	50.655	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	452842	51.337	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	53830	48.030	ug/l	94
82) 4-Chlorotoluene	12.77	91	364367	51.870	ug/l	96
83) tert-Butylbenzene	12.99	119	386923	50.717	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	450641	51.639	ug/l	98
85) sec-Butylbenzene	13.17	105	521355	52.014	ug/l	99
86) p-Isopropyltoluene	13.29	119	479697	51.721	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	245438	53.196	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	242125	52.604	ug/l	97
89) n-Butylbenzene	13.61	91	416619	52.684	ug/l	98
90) Hexachloroethane	13.87	117	90432	52.114	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	235879	51.713	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30681	46.880	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143330	52.295	ug/l	99
94) Hexachlorobutadiene	15.01	225	79298	52.503	ug/l	99
95) Naphthalene	15.13	128	365422	46.874	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133971	50.218	ug/l	99

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

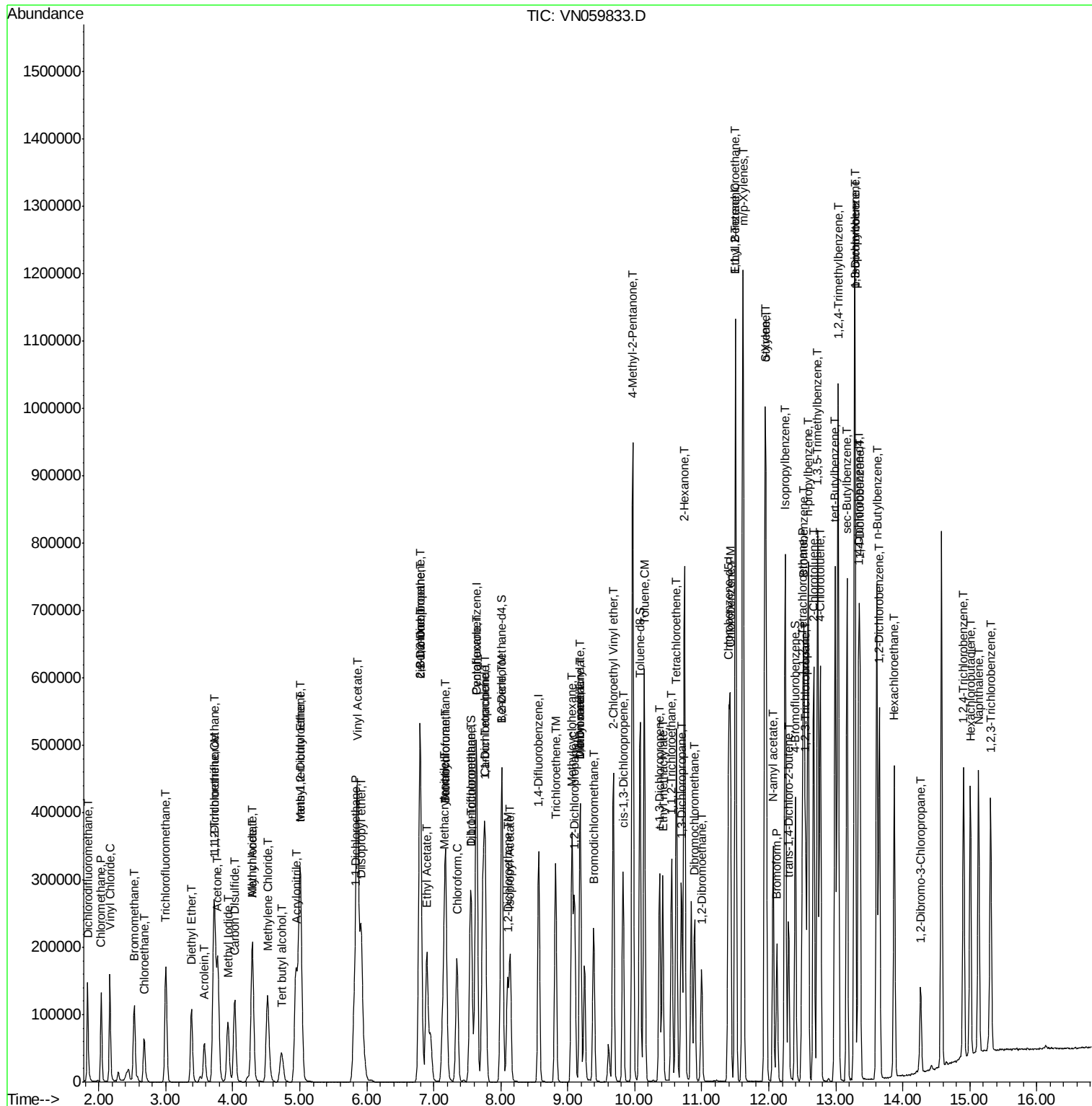
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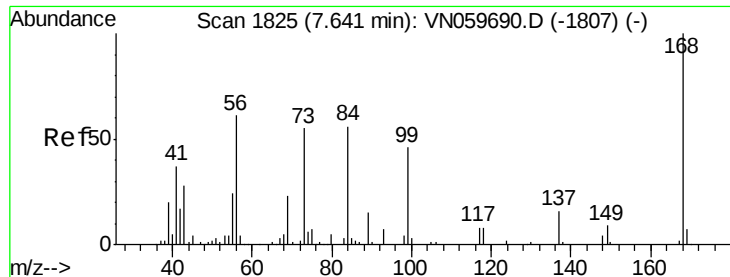
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 210381

Ion Ratio Lower Upper

168 100

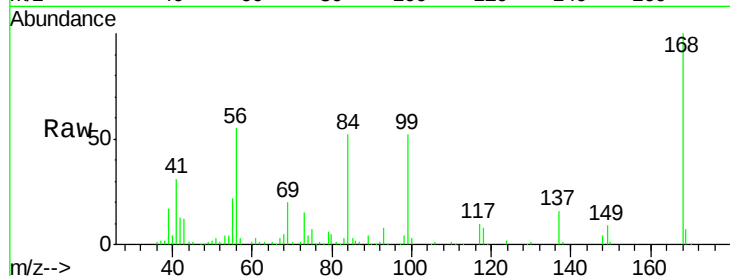
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Manual Integrations

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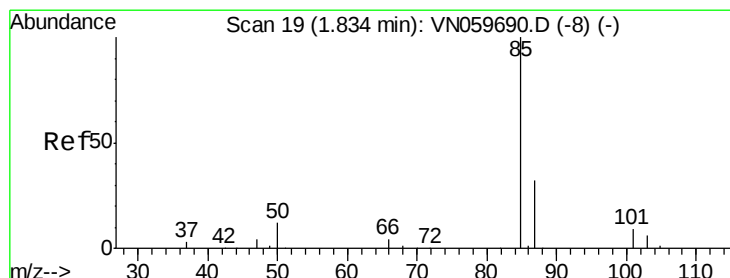
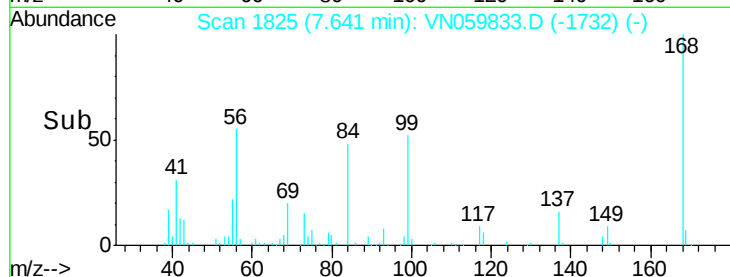
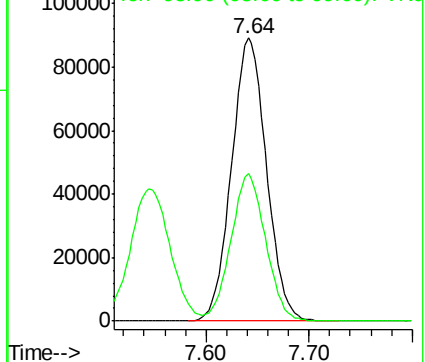
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.447 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059833.D

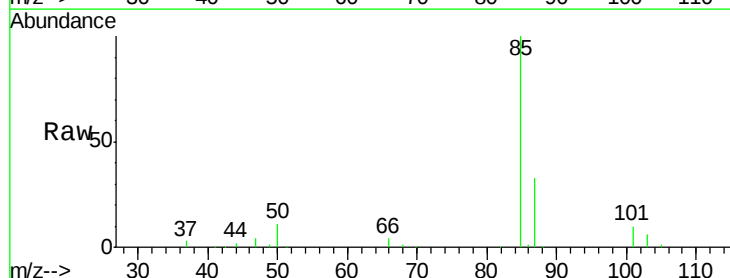
Acq: 24 Jan 2020 9:44

Tgt Ion: 85 Resp: 117753

Ion Ratio Lower Upper

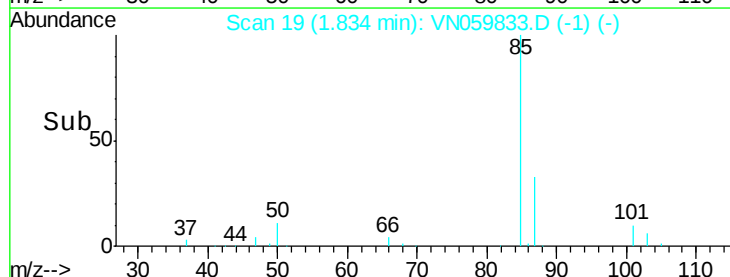
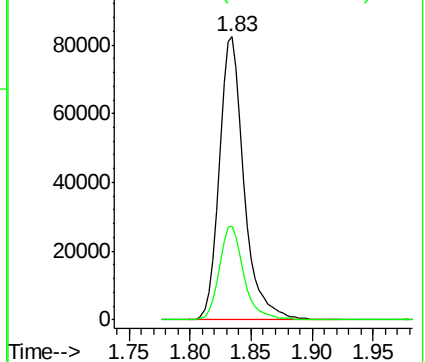
85 100

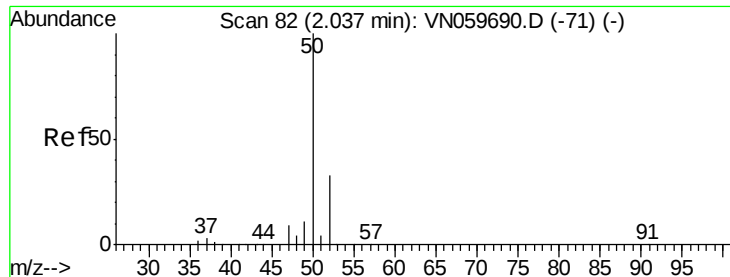
87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.614 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 107456

Ion Ratio Lower Upper

50 100

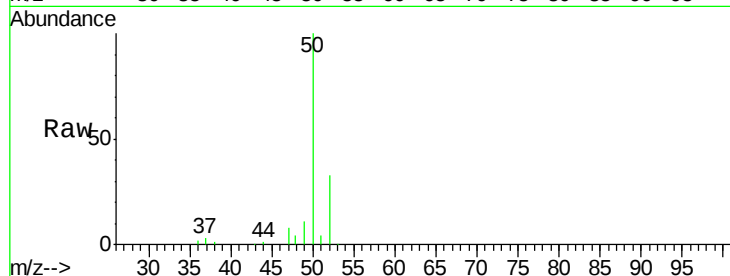
52 32.8 25.9 38.9

Manual Integrations

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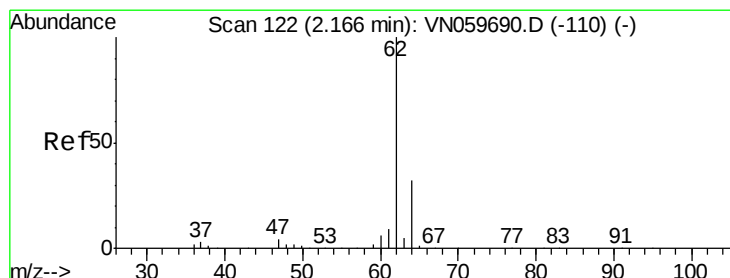
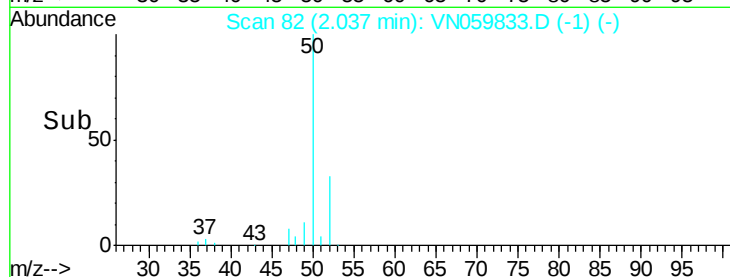
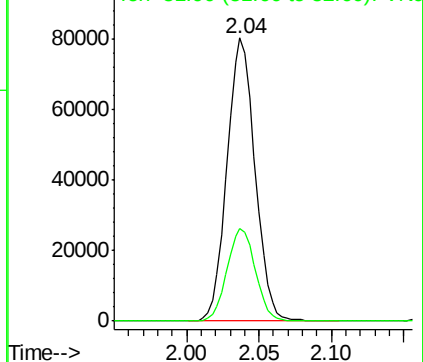
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 50.752 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059833.D

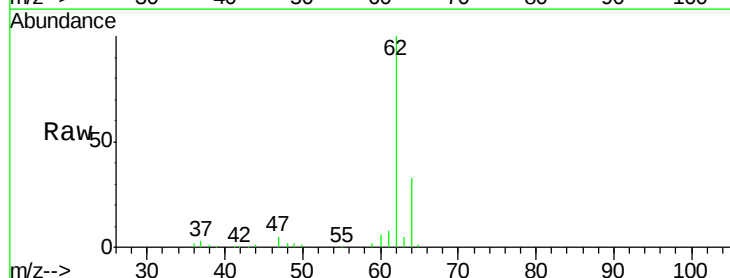
Acq: 24 Jan 2020 9:44

Tgt Ion: 62 Resp: 139864

Ion Ratio Lower Upper

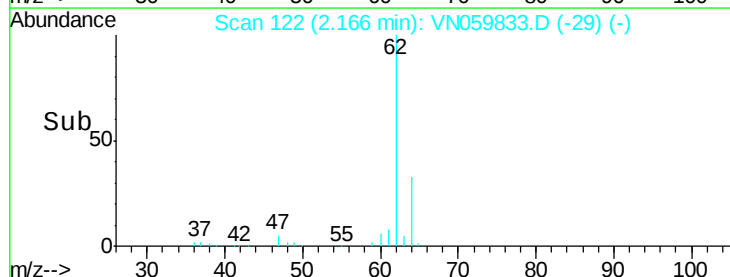
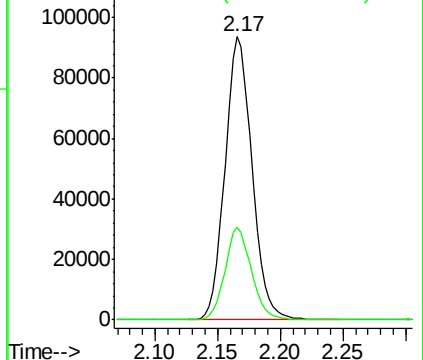
62 100

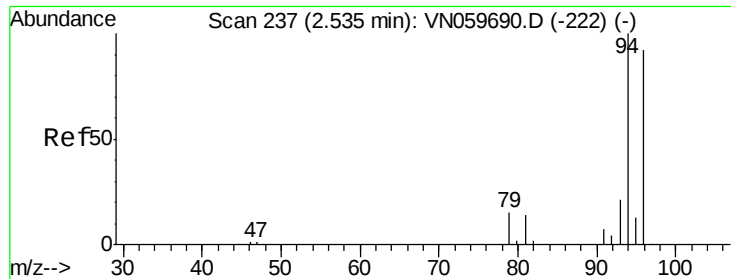
64 32.8 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





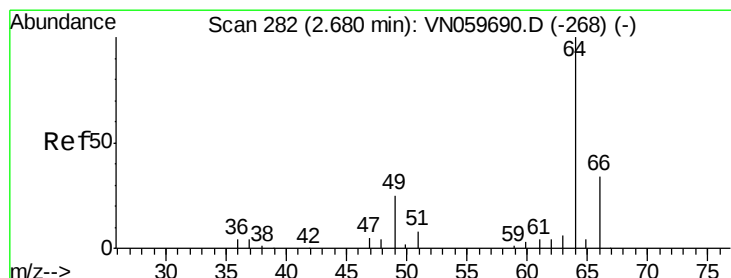
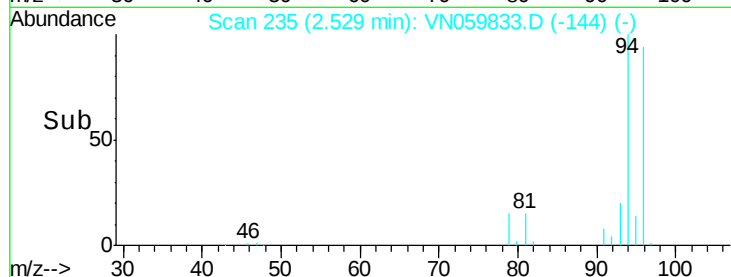
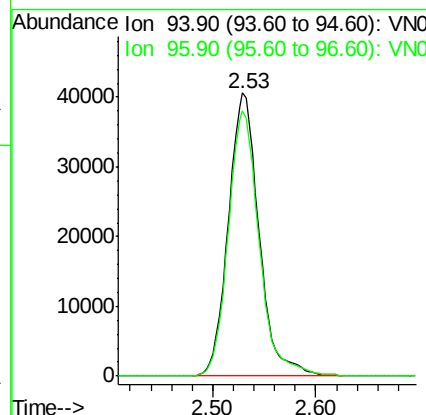
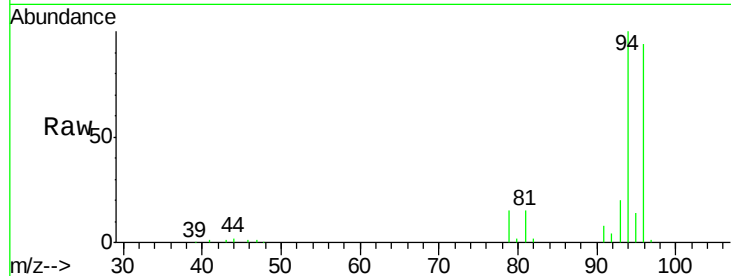
#5
Bromomethane
Concen: 50.217 ug/l
RT: 2.53 min Scan# 235
Delta R.T. -0.01 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 84456
Ion Ratio Lower Upper
94 100
96 93.6 74.7 112.1

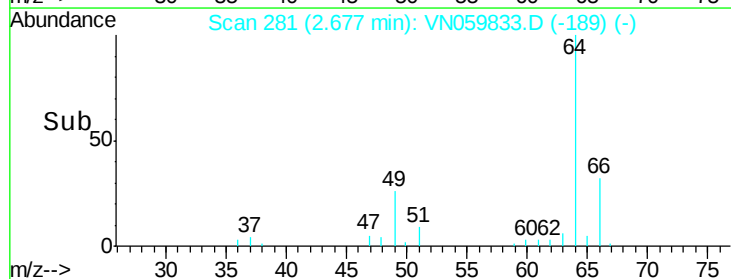
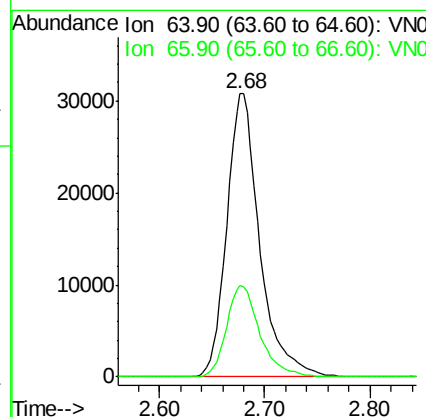
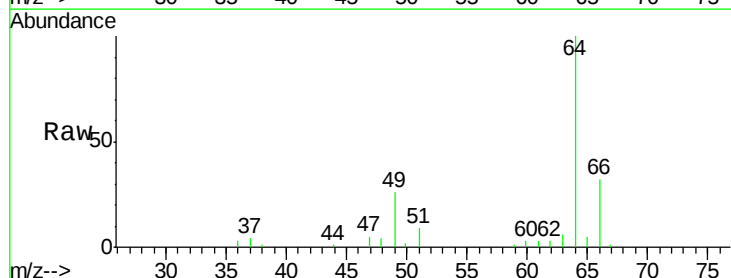
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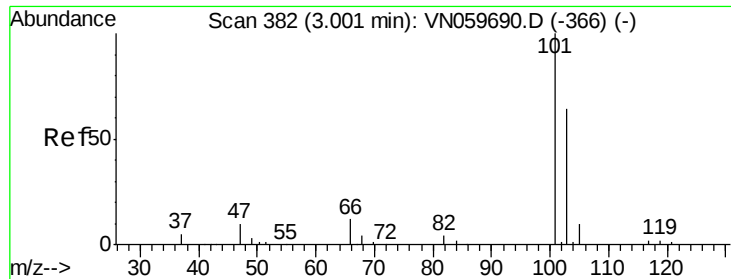
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#6
Chloroethane
Concen: 50.869 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion: 64 Resp: 66323
Ion Ratio Lower Upper
64 100
66 32.2 25.1 37.7





#7

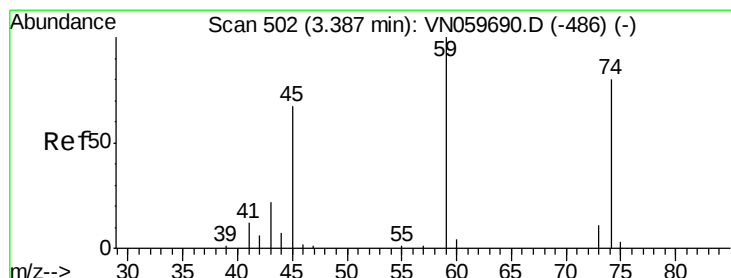
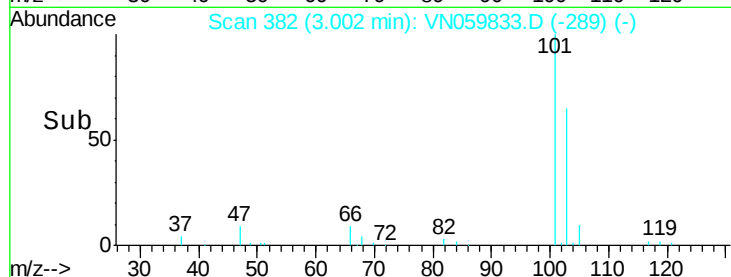
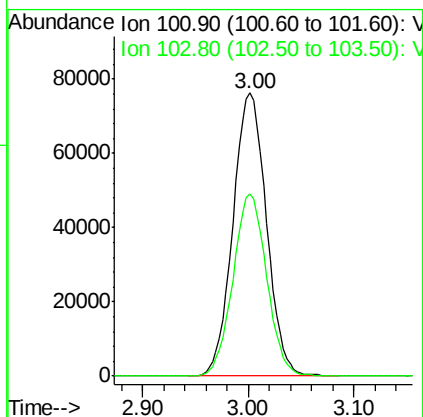
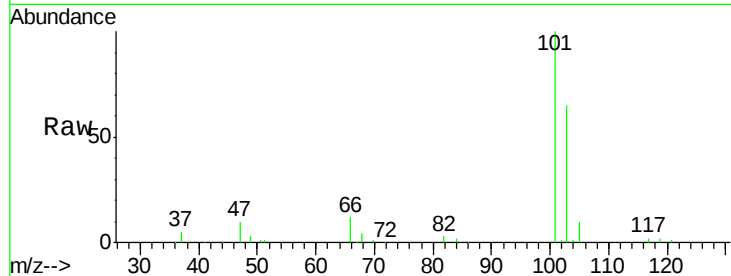
Trichlorofluoromethane
Concen: 50.802 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		168133		
103	64.5	51.0	76.6		

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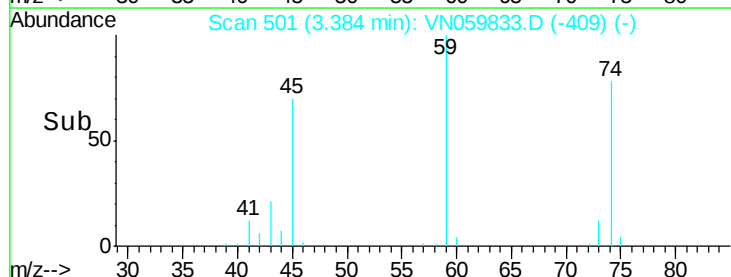
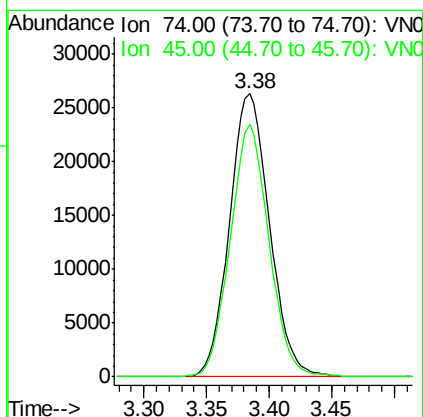
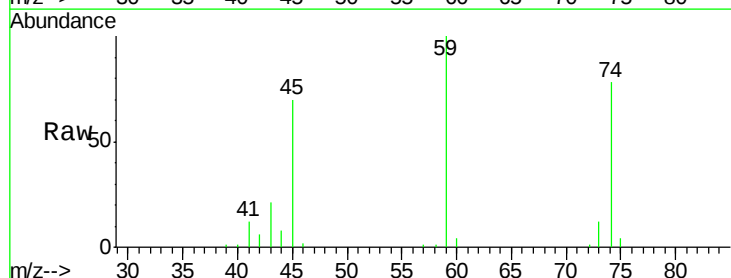
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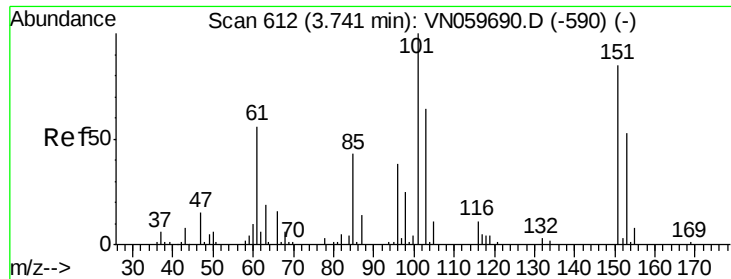


#8

Diethyl Ether
Concen: 50.208 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		58316		
45	86.2	51.9	155.8		





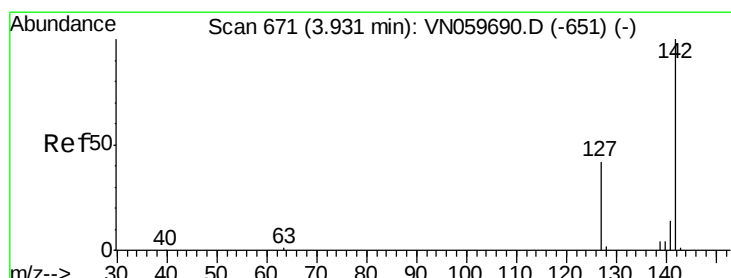
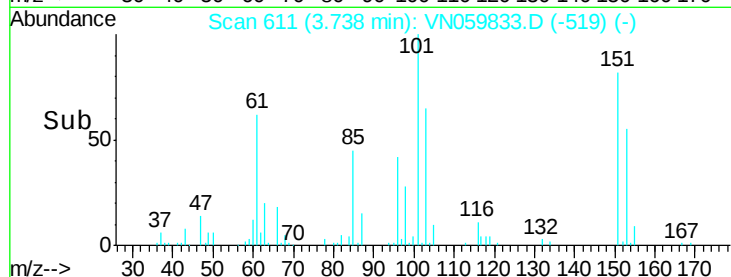
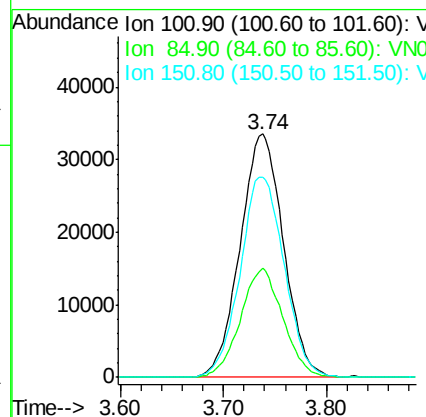
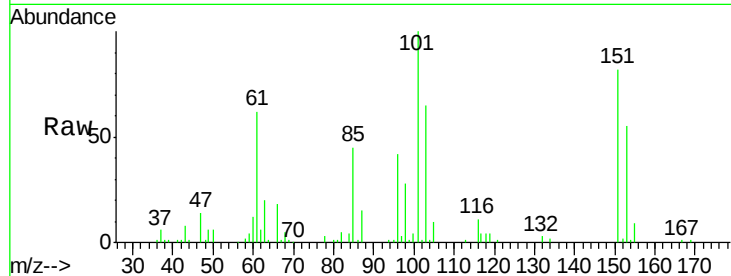
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.071 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.6	54.8
151	83.9	59.7	89.5

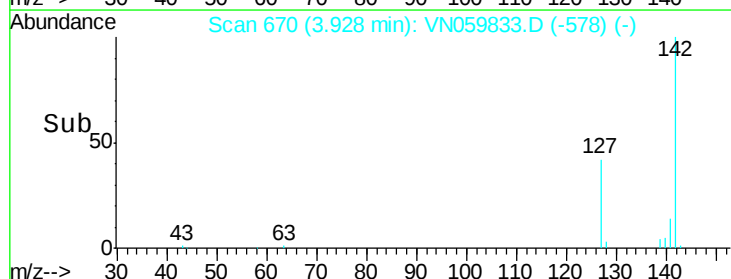
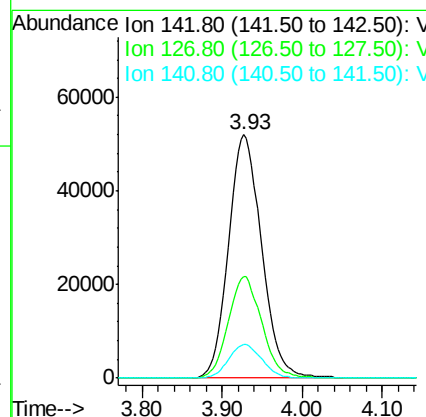
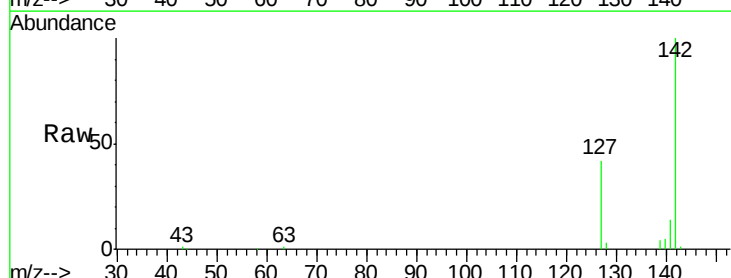
Manual Integrations
APPROVED

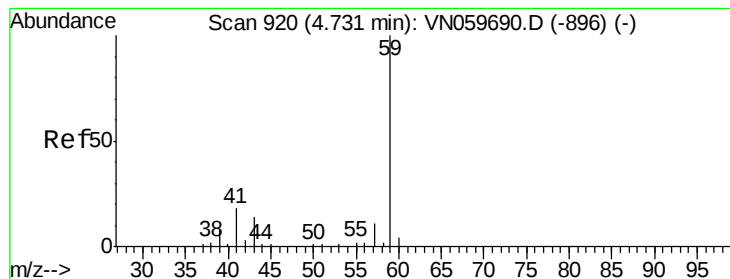
MMDadoda
1/27/2020 11:15:28 AM



#10
Methyl Iodide
Concen: 49.317 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.0	36.7	55.1
141	13.9	11.7	17.5





#11

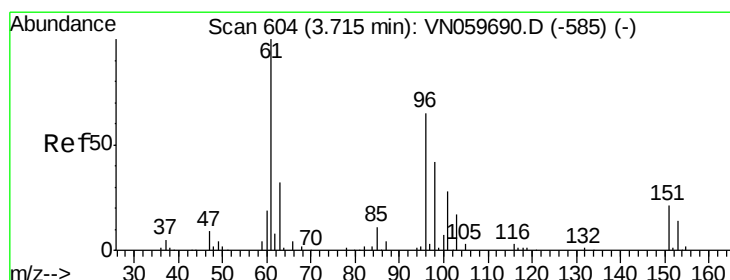
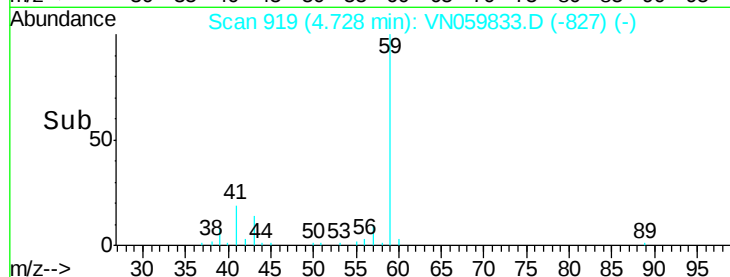
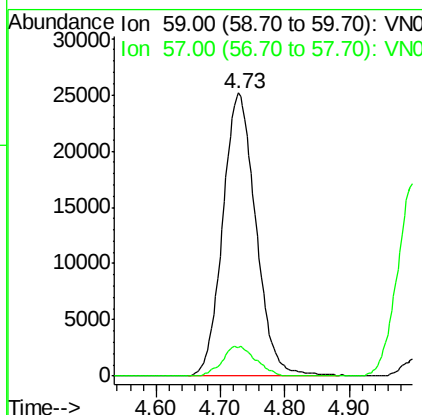
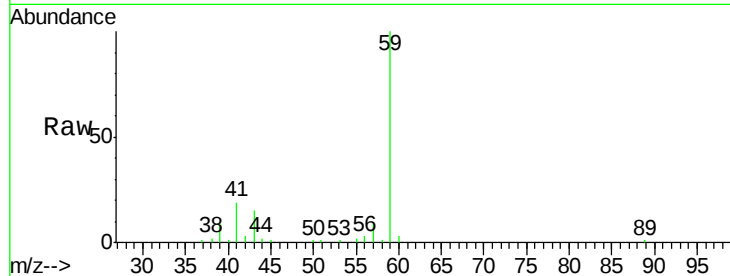
Tert butyl alcohol
Concen: 228.385 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.6	Resp	89826	Lower	Upper
Ion	59	57	Ratio	100	10.6	Resp	89826	Lower	Upper
								8.6	12.8

Manual Integrations
APPROVED

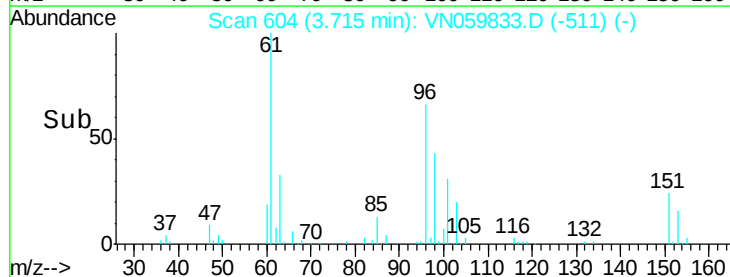
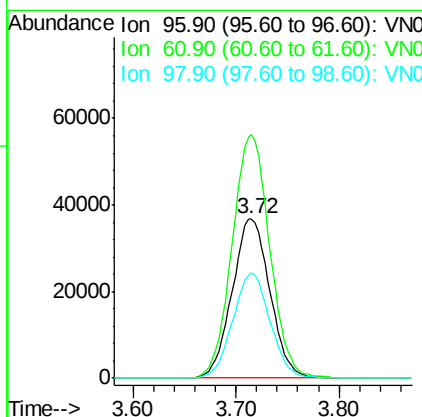
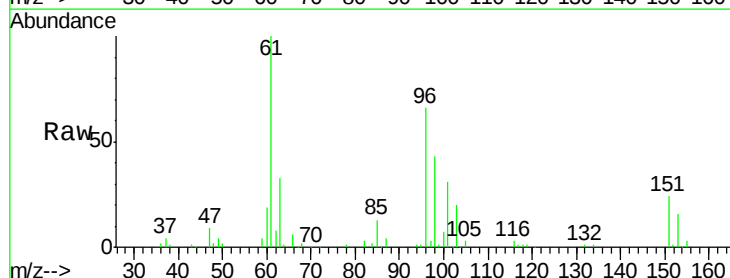
MMDadoda
1/27/2020 11:15:28 AM

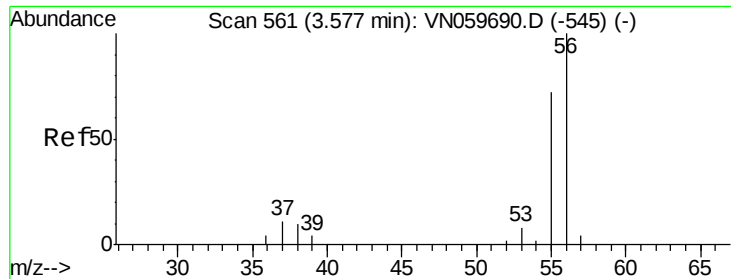


#12

1,1-Dichloroethene
Concen: 48.687 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	96	61	98	Ratio	100	152.5	65.7	Resp	93710	Lower	Upper
Ion	96	61	98	Ratio	100	152.5	65.7	Resp	93710	Lower	Upper
										137.5	206.3
										50.2	75.4





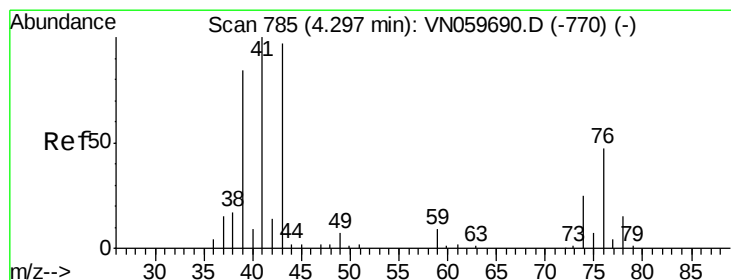
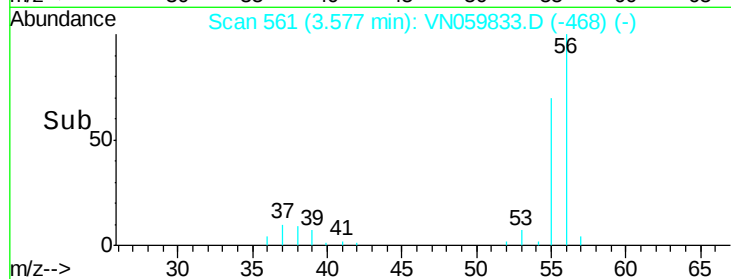
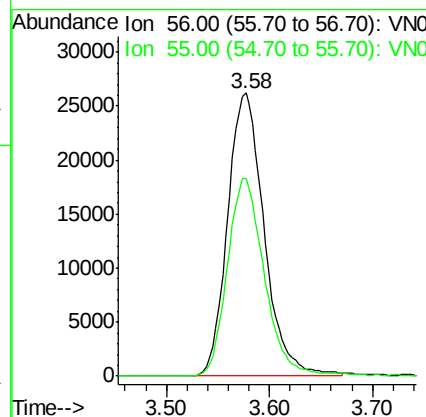
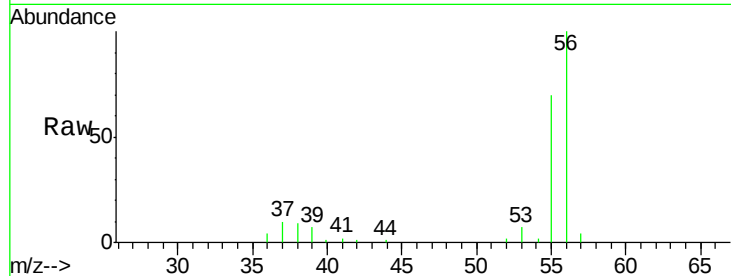
#13
Acrolein
Concen: 232.681 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	64782
Ion Ratio	100	Lower	Upper
56	100		
55	70.2	58.6	88.0

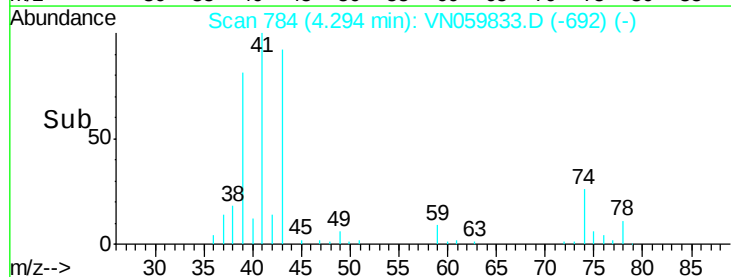
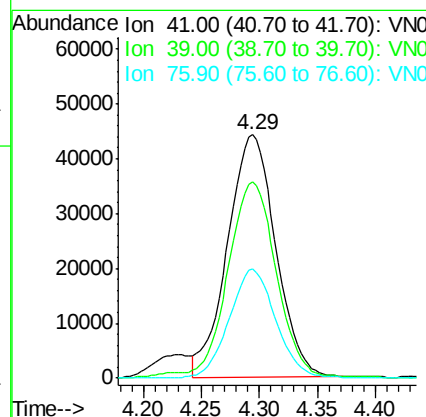
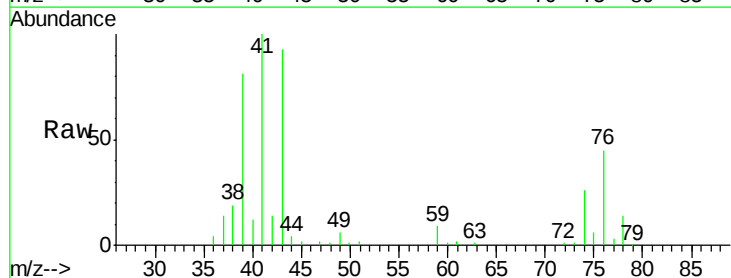
Manual Integrations
APPROVED

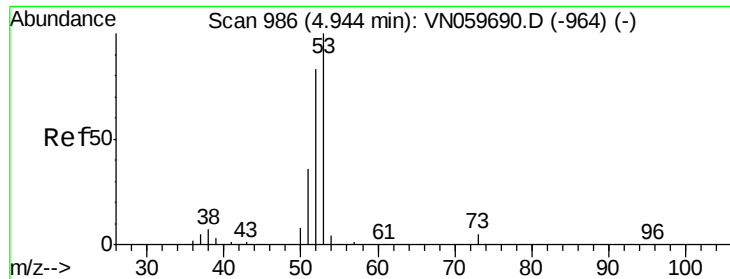
MMDadoda
1/27/2020 11:15:28 AM



#14
Allyl chloride
Concen: 48.973 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	41	Resp	127053
Ion Ratio	100	Lower	Upper
41	100		
39	80.4	57.8	86.8
76	43.6	25.4	38.0





#15

Acrylonitrile

Concen: 244.177 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

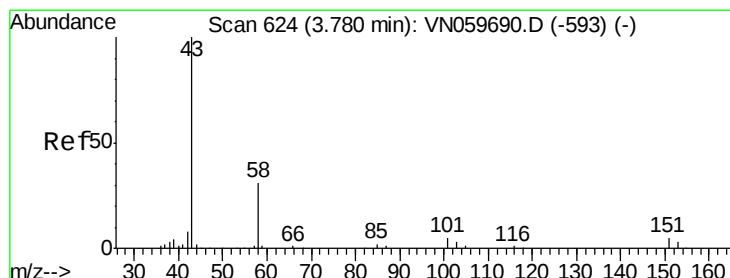
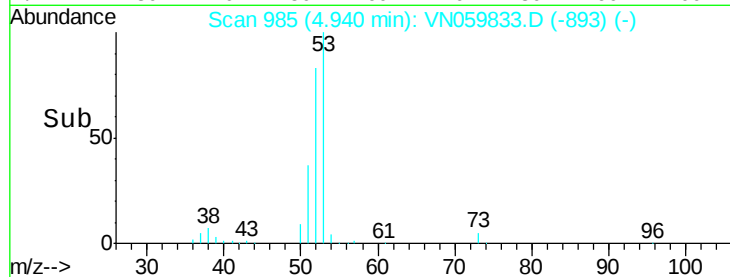
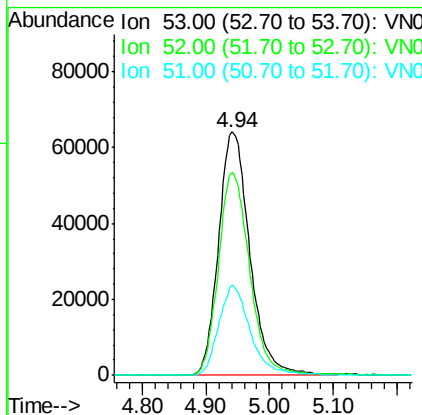
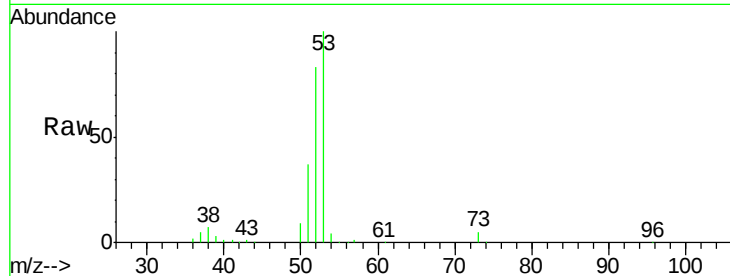
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	219068
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.3	99.5
51	37.2	29.7	44.5

Manual Integrations
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MMDadoda
1/27/2020 11:15:28 AM



#16

Acetone

Concen: 335.685 ug/l

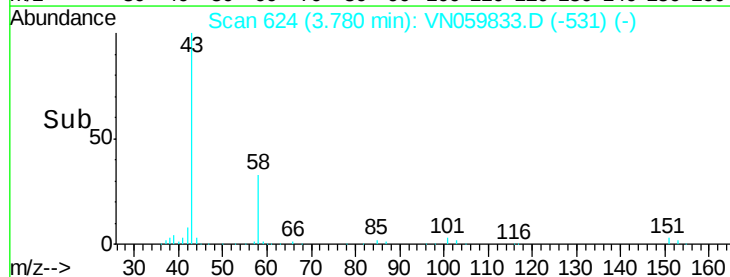
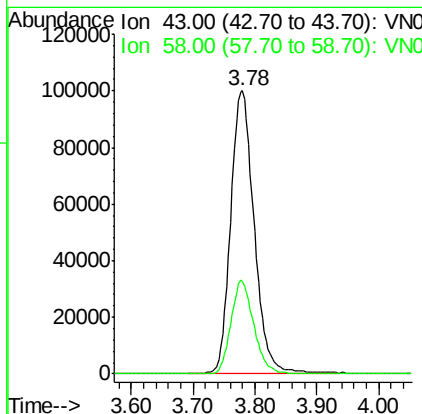
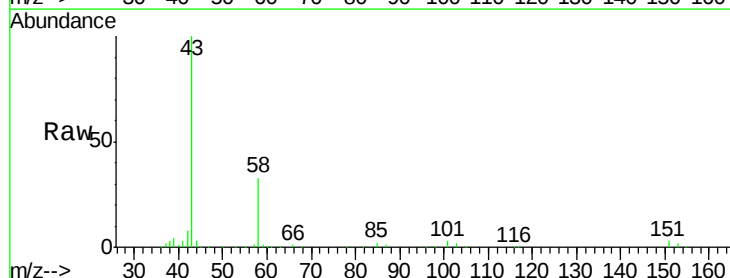
RT: 3.78 min Scan# 624

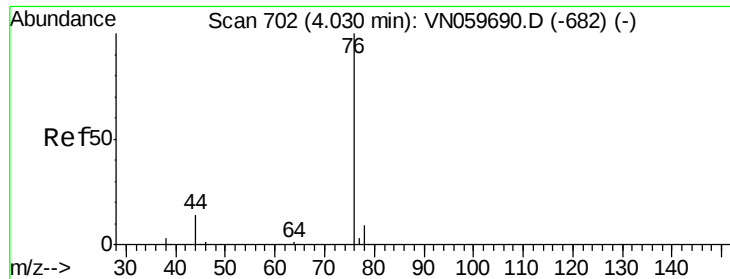
Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Tgt Ion:	43	Resp:	264759
Ion Ratio		Lower	Upper
43	100		
58	32.6	23.6	35.4





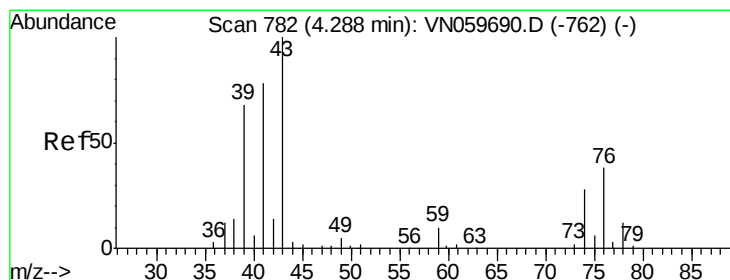
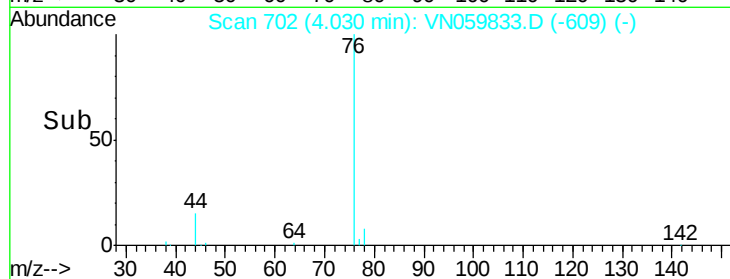
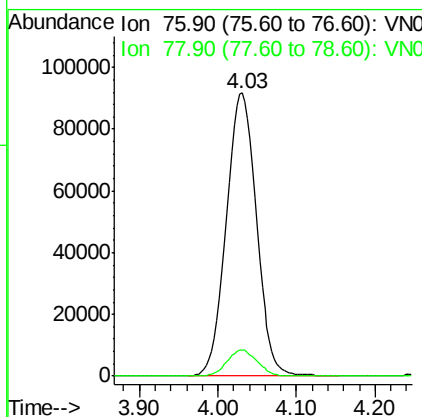
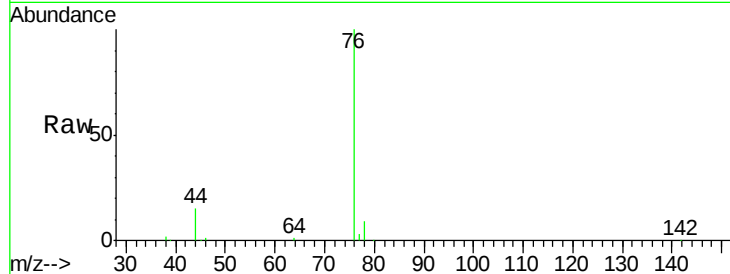
#17
Carbon Disulfide
Concen: 44.526 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	76	Resp	244135
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

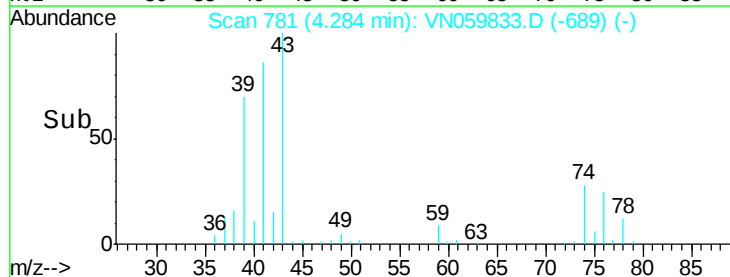
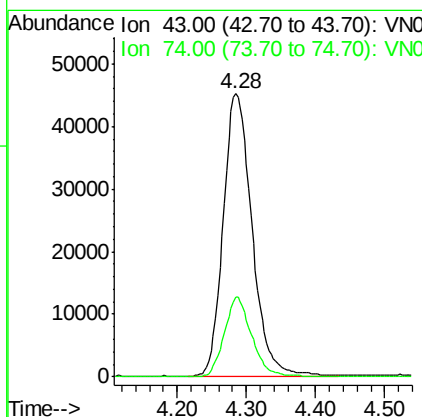
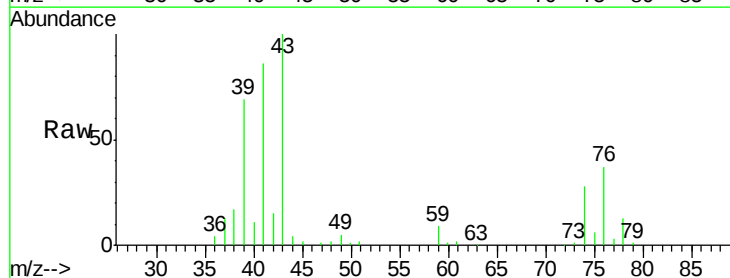
Manual Integrations
APPROVED

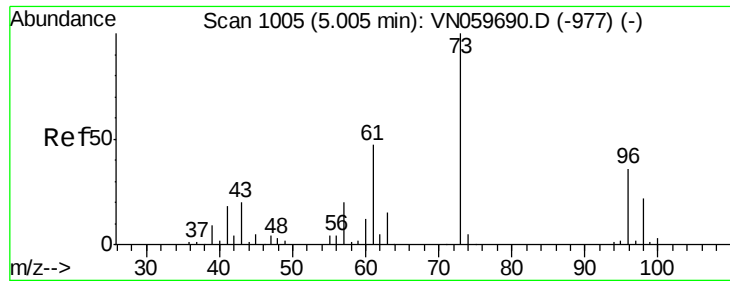
MMDadoda
1/27/2020 11:15:28 AM



#18
Methyl Acetate
Concen: 48.498 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	43	Resp	132350
Ion	Ratio	Lower	Upper
43	100		
74	26.6	17.5	26.3#





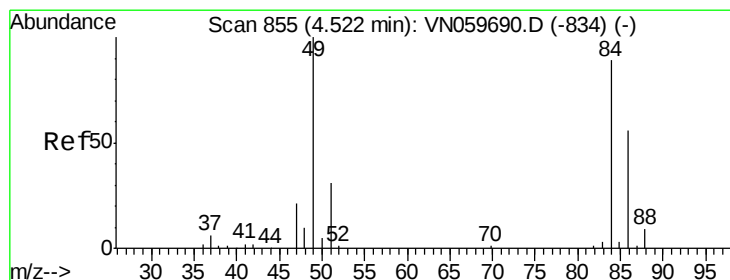
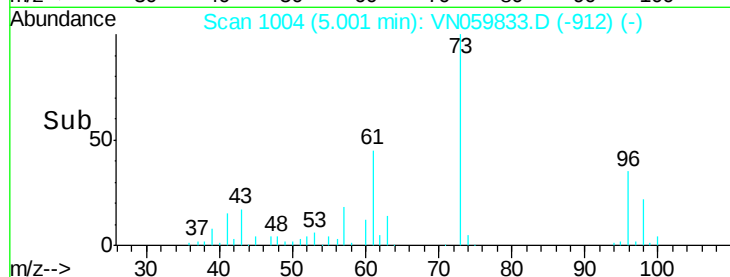
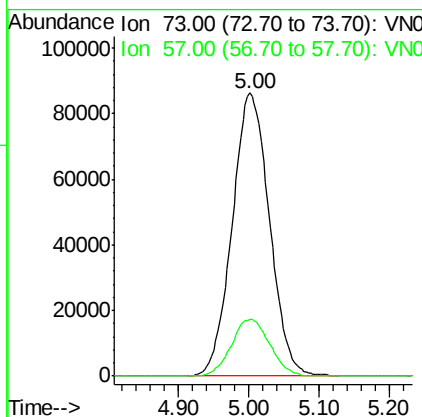
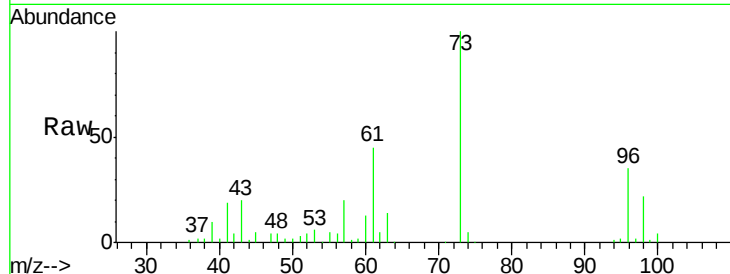
#19
Methvl tert-butvl Ether
Concen: 50.693 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 318125
Ion Ratio Lower Upper
73 100
57 20.2 18.6 27.8

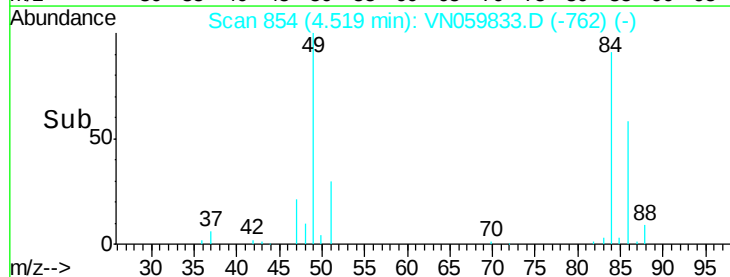
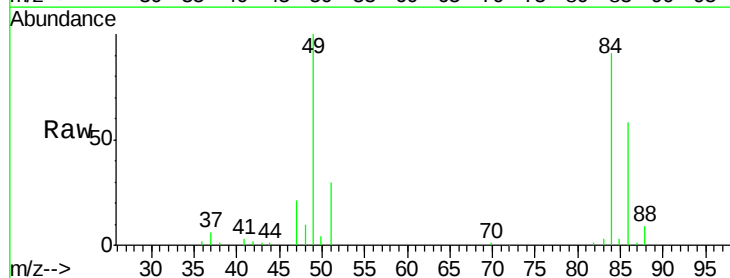
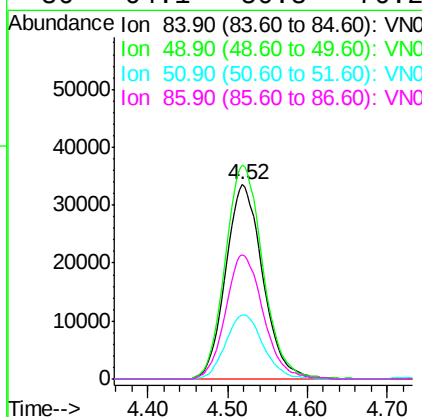
Manual Integrations
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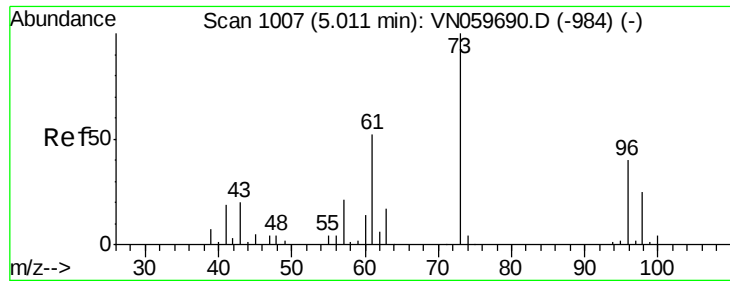
MMDadoda
1/27/2020 11:15:28 AM



#20
Methylene Chloride
Concen: 50.121 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion: 84 Resp: 105938
Ion Ratio Lower Upper
84 100
49 109.9 106.6 160.0
51 33.0 31.9 47.9
86 64.1 50.8 76.2





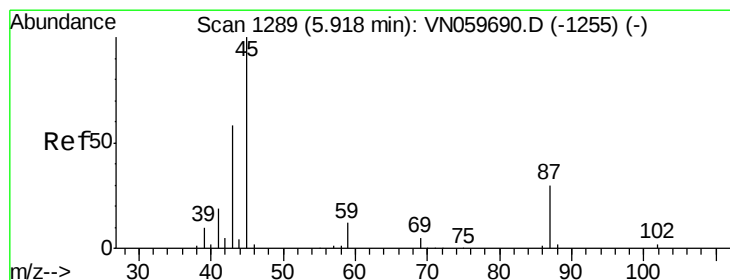
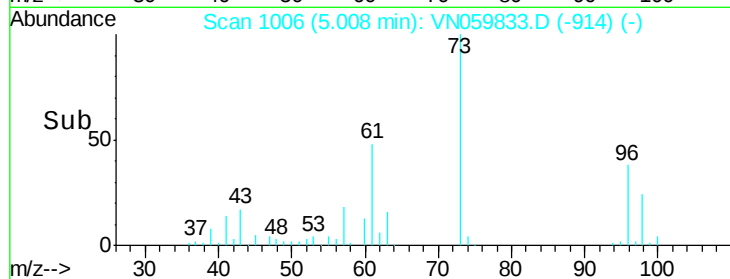
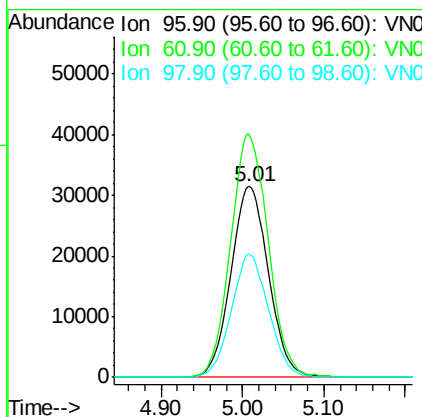
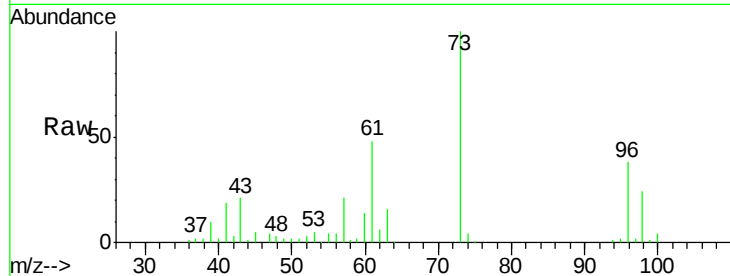
#21
trans-1,2-Dichloroethene
Concen: 49.314 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.5	120.4	180.6
98	64.4	50.6	75.8

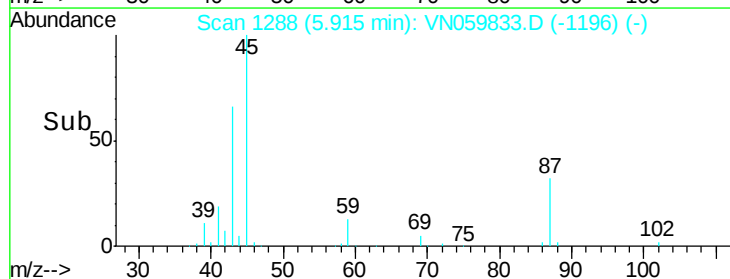
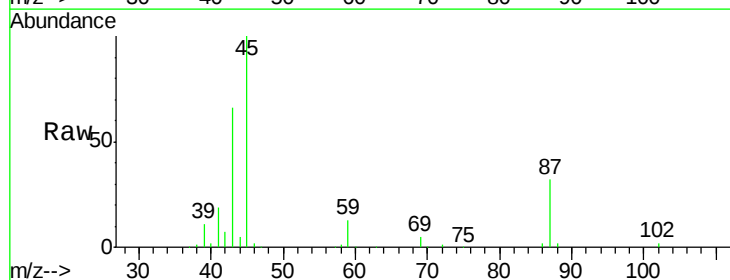
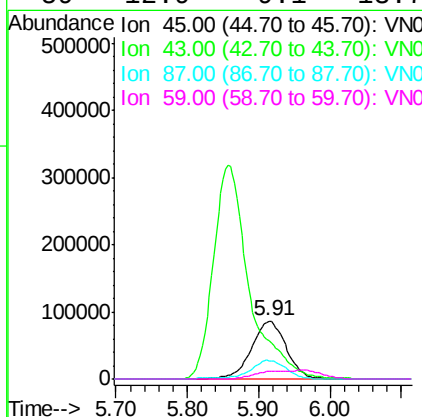
Manual Integrations
APPROVED

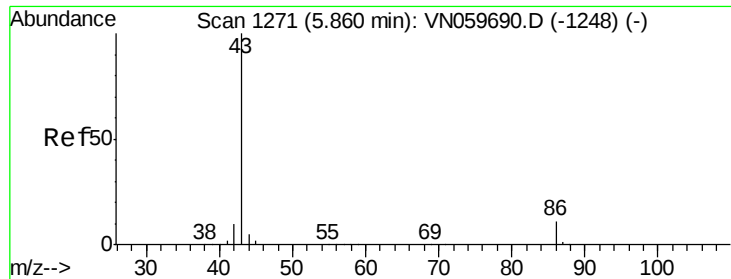
MMDadoda
1/27/2020 11:15:28 AM



#22
Diisopropyl ether
Concen: 49.489 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.7	50.8	76.2
87	32.1	21.0	31.6
59	12.9	9.1	13.7





#23

Vinyl Acetate

Concen: 243.915 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1110303

Ion Ratio Lower Upper

43 100

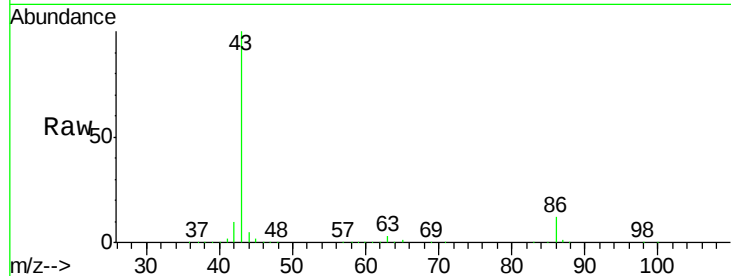
86 11.9 7.6 11.4#

Manual Integrations

APPROVED

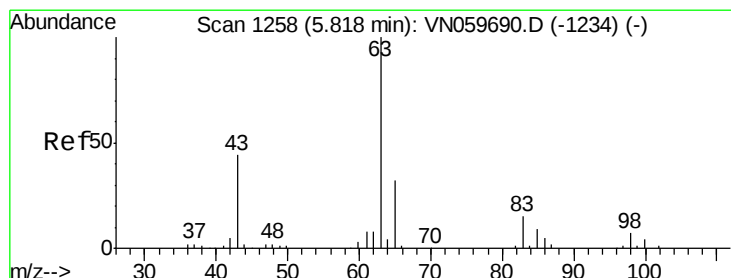
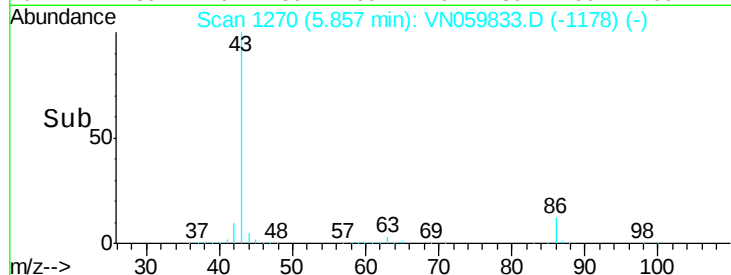
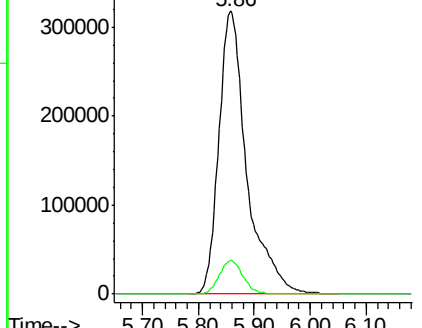
MMDadoda

1/27/2020 11:15:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN059833.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059833.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 49.842 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

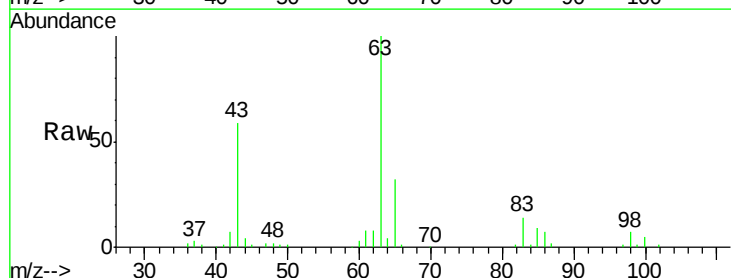
Tgt Ion: 63 Resp: 179052

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

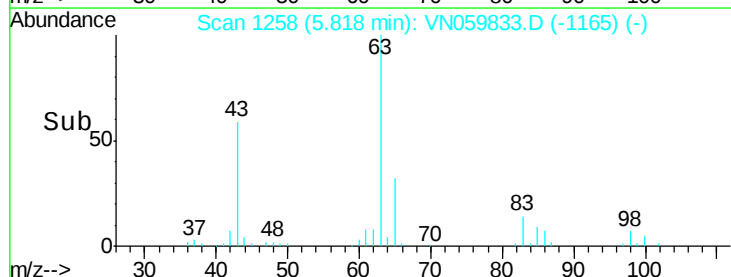
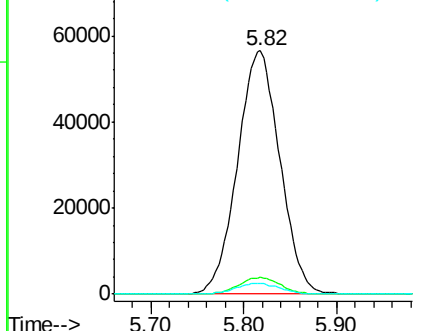
100 4.5 2.0 6.0

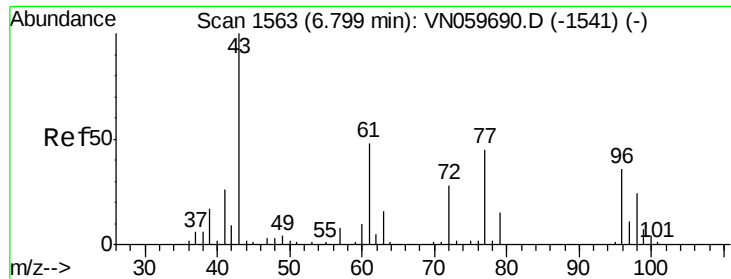


Abundance Ion 62.90 (62.60 to 63.60): VN059833.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059833.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059833.D (-1165) (-)





#25

2-Butanone

Concen: 246.451 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 326067

Ion Ratio Lower Upper

43 100

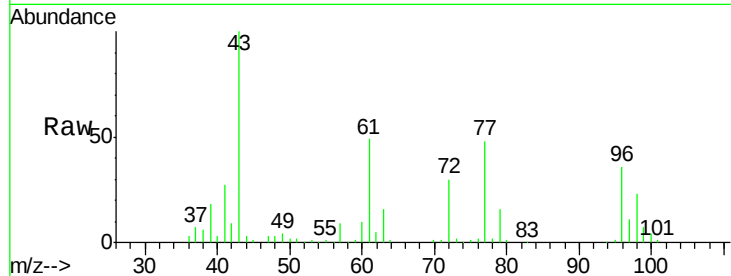
72 30.1 19.9 29.9#

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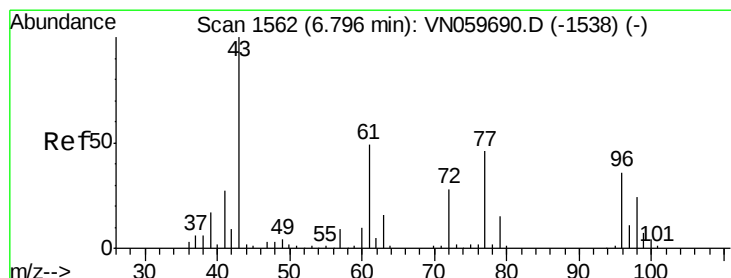
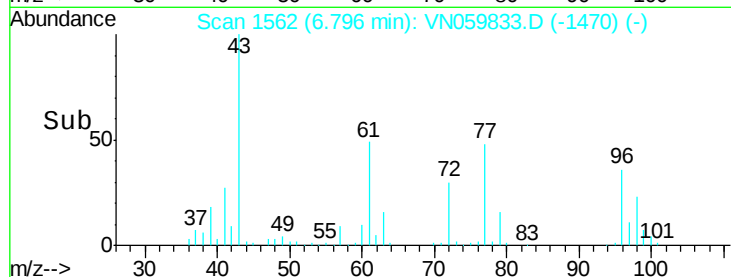
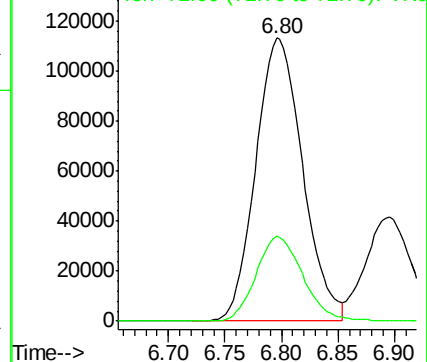
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.496 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059833.D

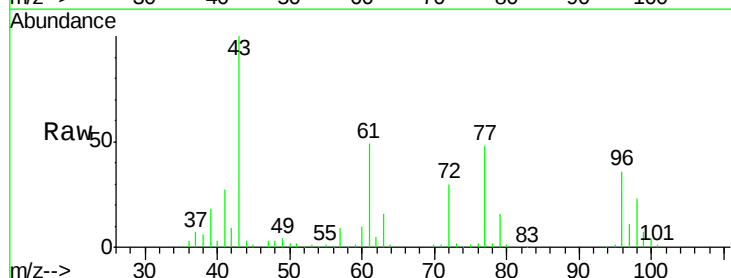
Acq: 24 Jan 2020 9:44

Tgt Ion: 77 Resp: 174395

Ion Ratio Lower Upper

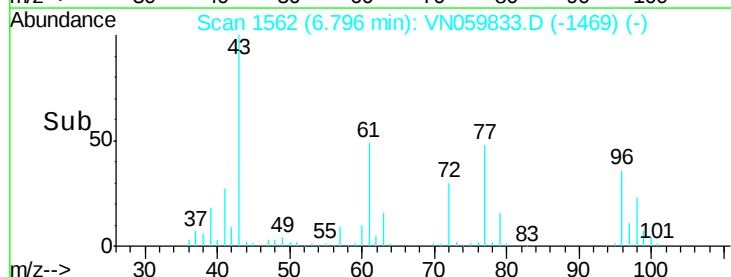
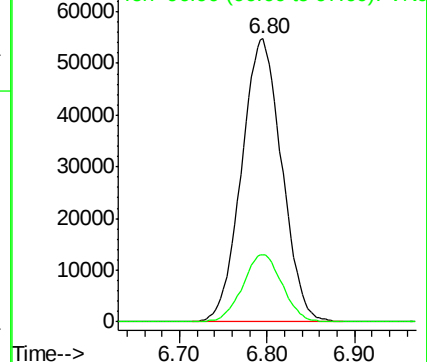
77 100

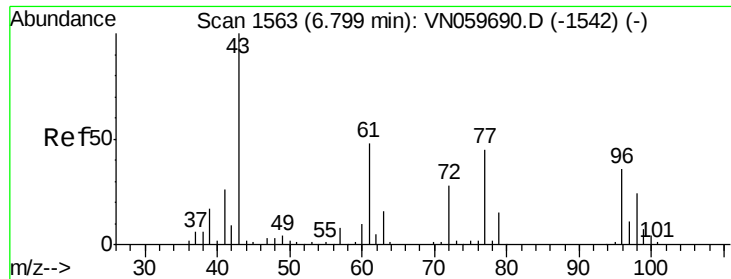
97 23.4 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.204 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

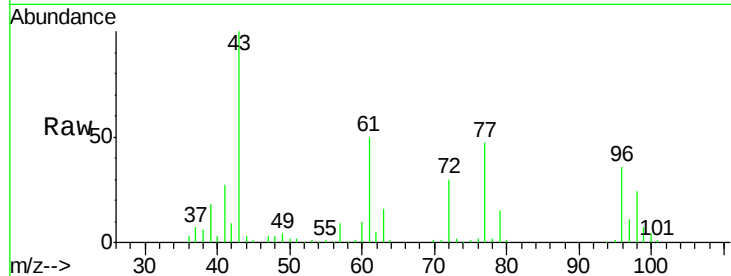
ClientSampleId :

VSTDCCC050

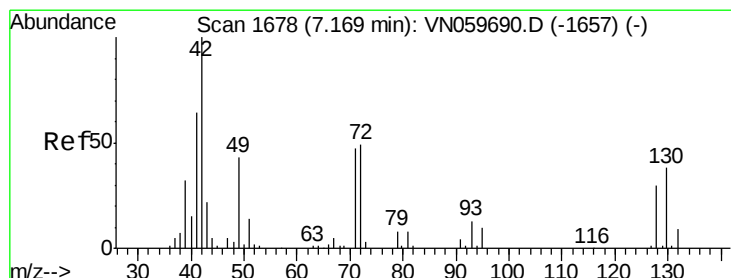
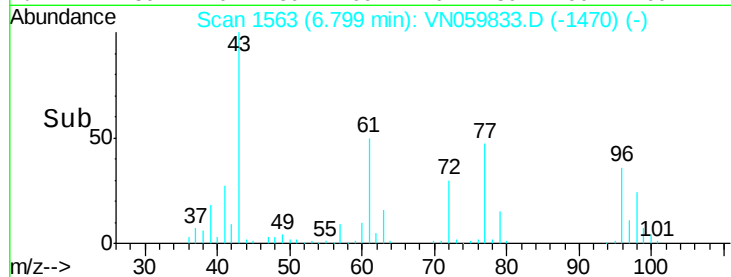
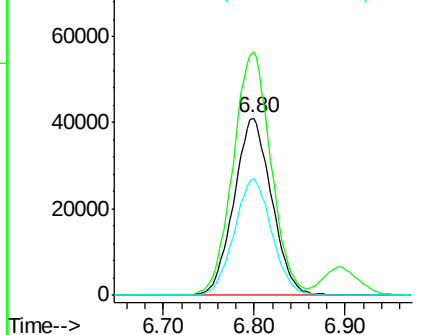
Tot Ion:	96	Resp:	118142
Ion Ratio	Lower	Upper	
96	100		
61	138.5	0.0	317.6
98	65.5	0.0	127.0

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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#28

Bromochloromethane

Concen: 51.297 ug/l

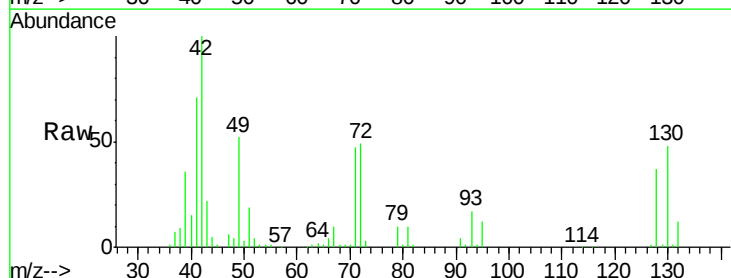
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

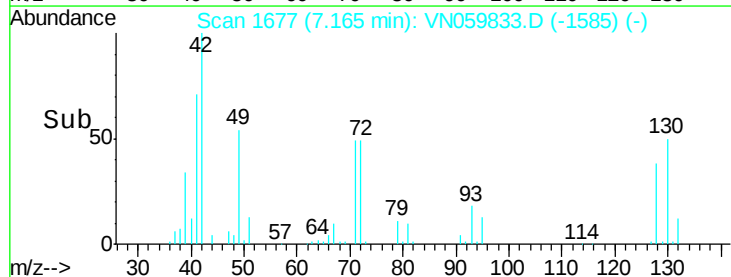
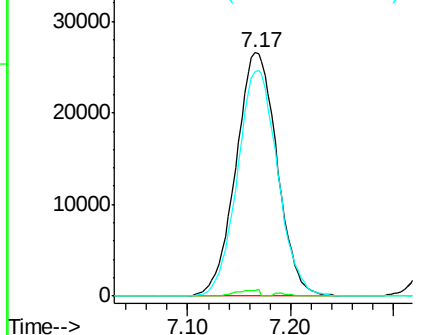
Lab File: VN059833.D

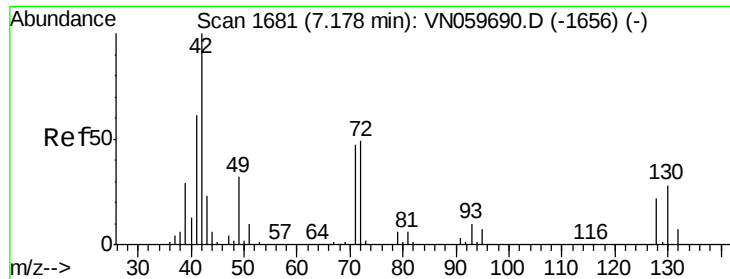
Acq: 24 Jan 2020 9:44

Tgt Ion:	49	Resp:	73653
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	3.4
130	91.0	54.7	82.1#



Abundance Ion 48.90 (48.60 to 49.60): VNC
Ion 128.80 (128.50 to 129.50): VNC
Ion 129.80 (129.50 to 130.50): VNC





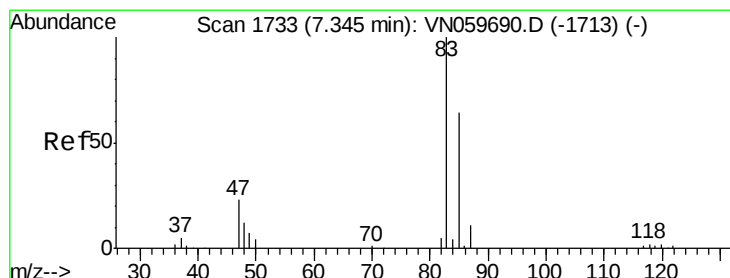
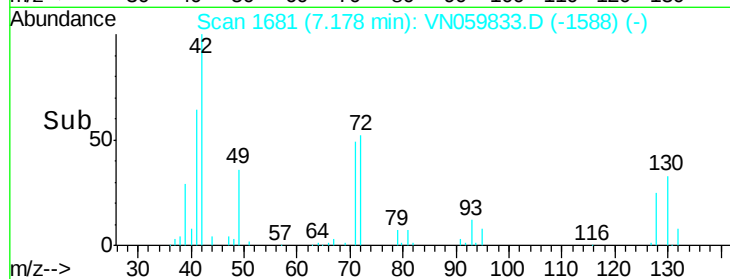
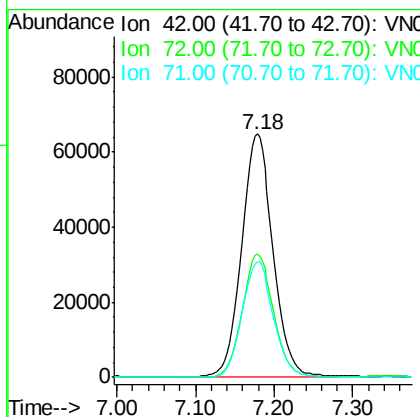
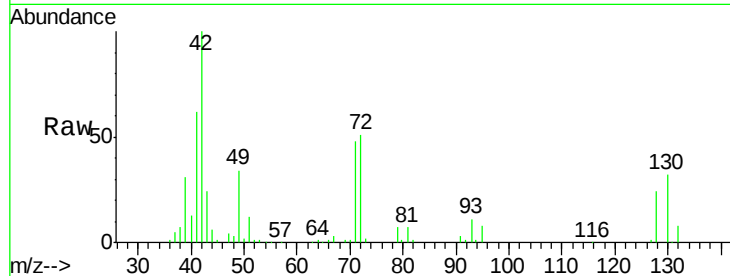
#29
Tetrahydrofuran
Concen: 223.018 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	33.1	49.7#
71	47.4	31.4	47.0#

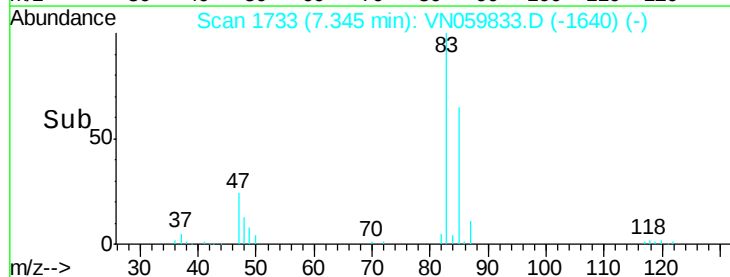
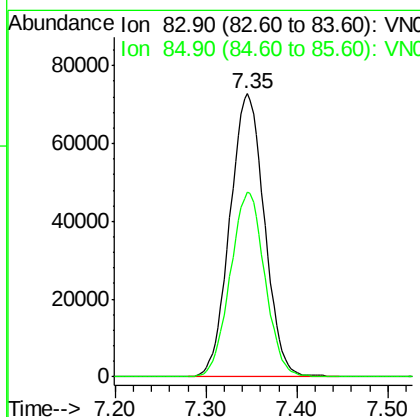
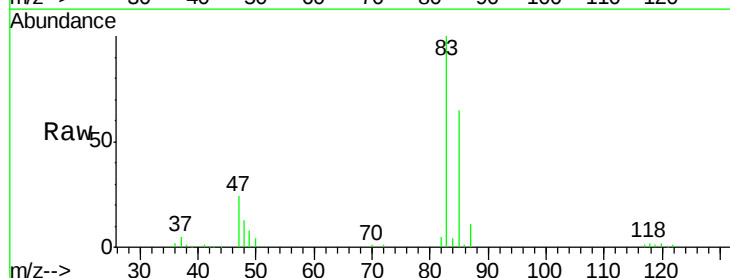
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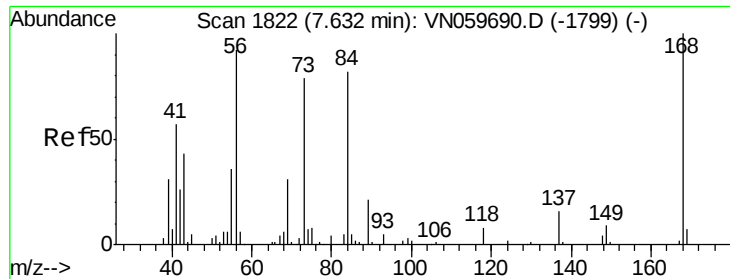
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#30
Chloroform
Concen: 51.566 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6





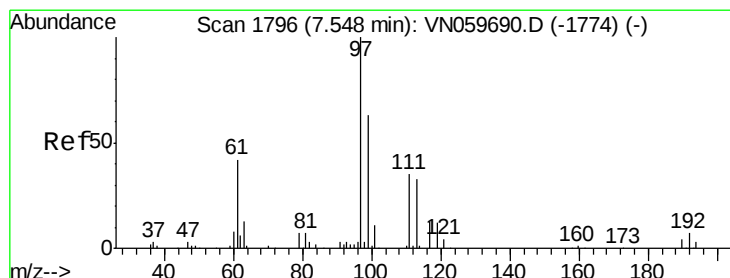
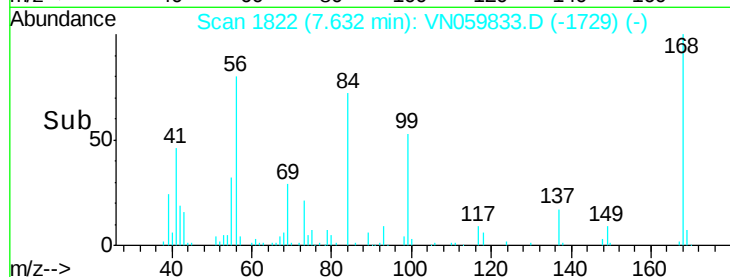
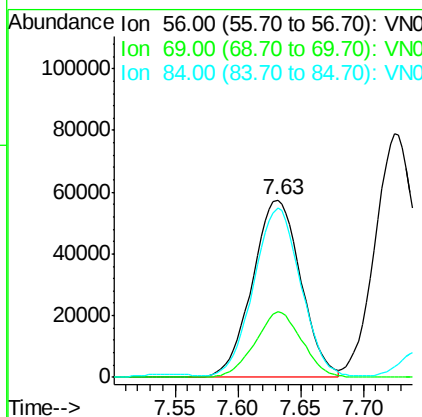
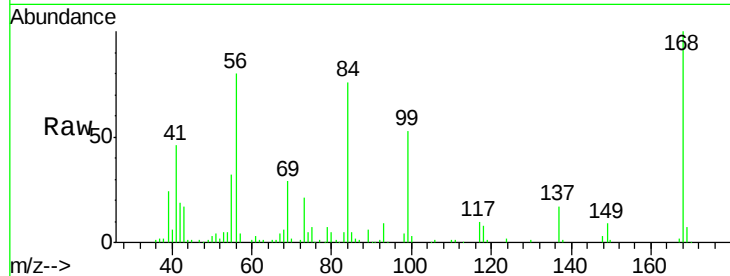
#31
Cyclohexane
Concen: 44.660 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.5	39.7
84	93.8	65.3	97.9

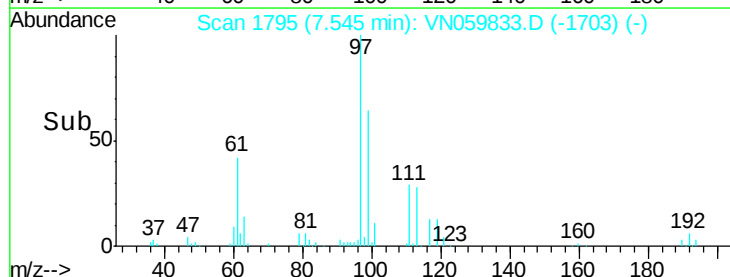
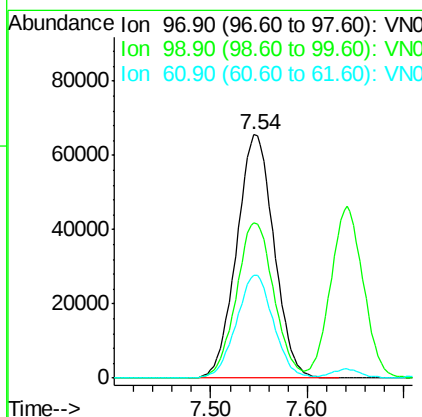
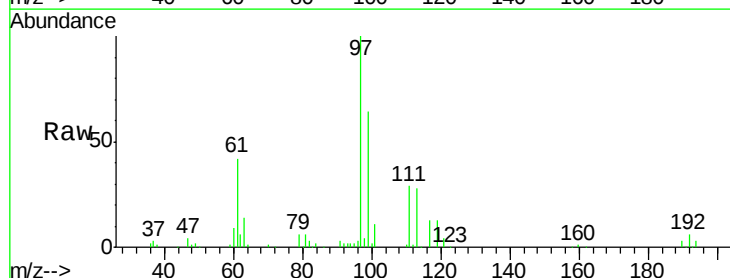
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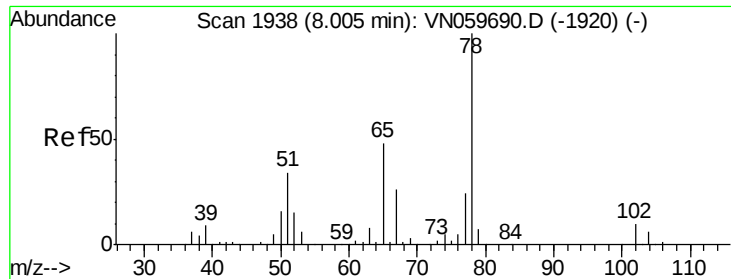
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#32
1,1,1-Trichloroethane
Concen: 51.181 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	42.0	38.5	57.7





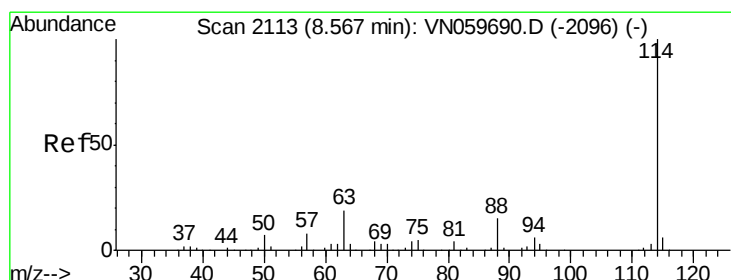
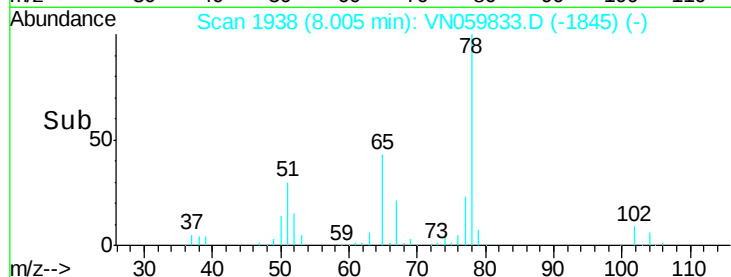
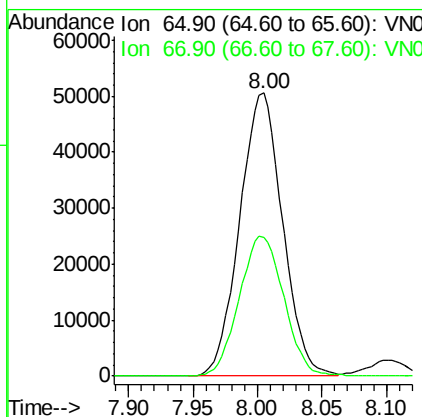
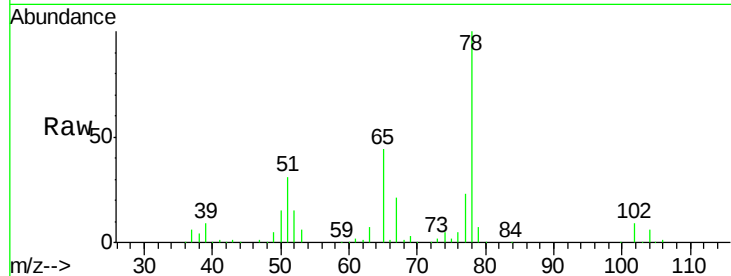
#33
 1,2-Dichloroethane-d4
 Concen: 50.083 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117011		
67	51.4	0.0	103.0	

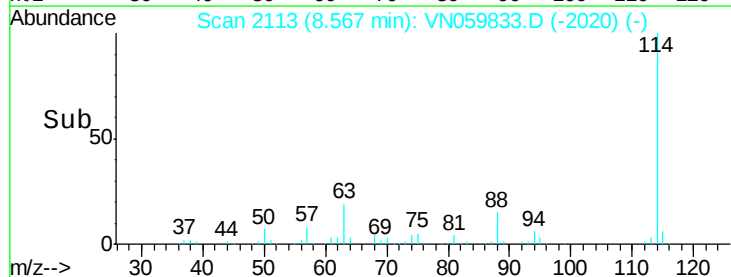
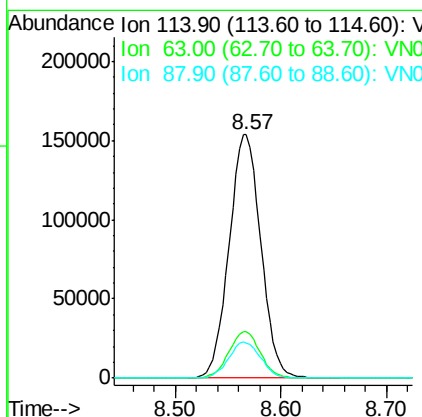
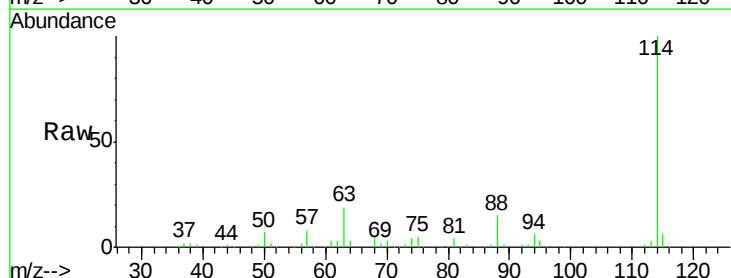
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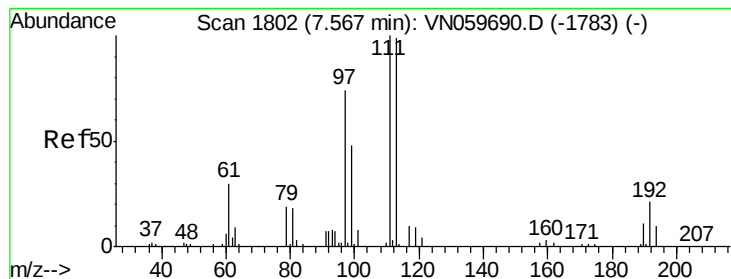
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	320600		
63	18.9	0.0	43.6	
88	14.6	0.0	31.4	





#35

Dibromofluoromethane

Concen: 51.756 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

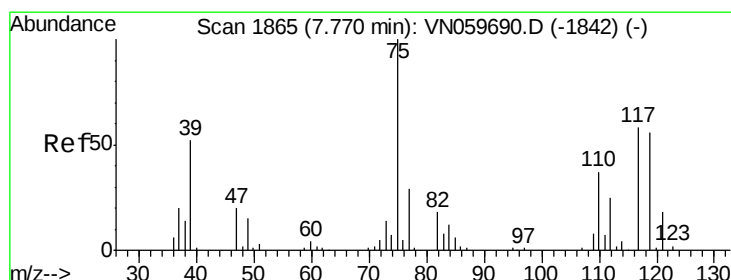
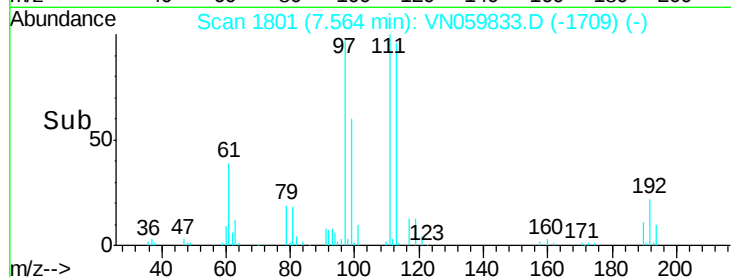
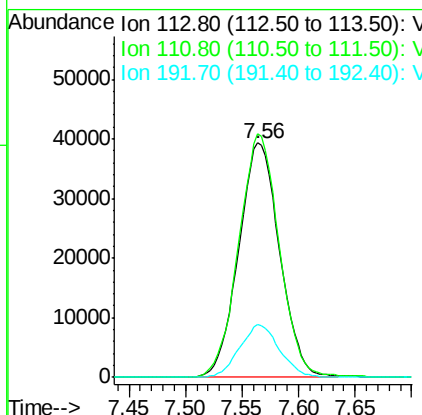
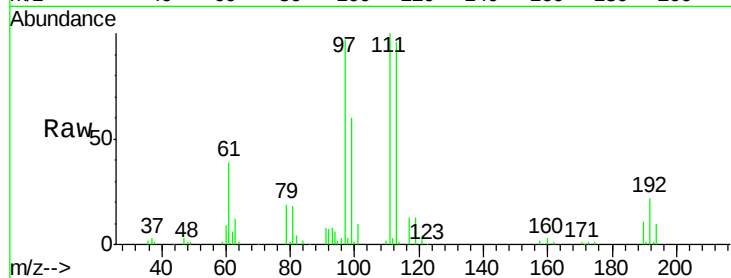
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	98952		
111	103.2	83.5	125.3	
192	21.8	15.4	23.2	

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#36

1,1-Dichloropropene

Concen: 50.573 ug/l

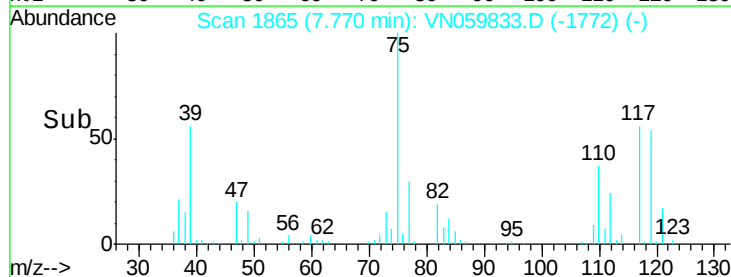
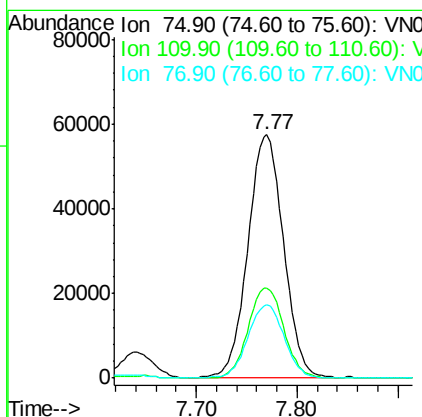
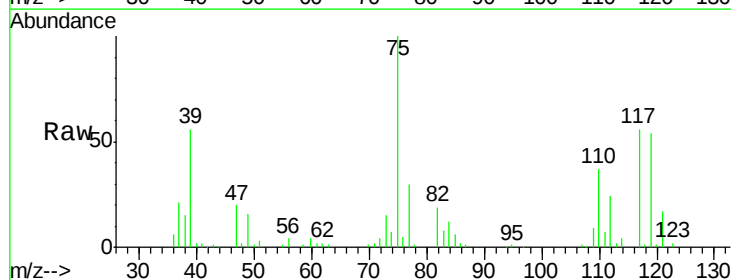
RT: 7.77 min Scan# 1865

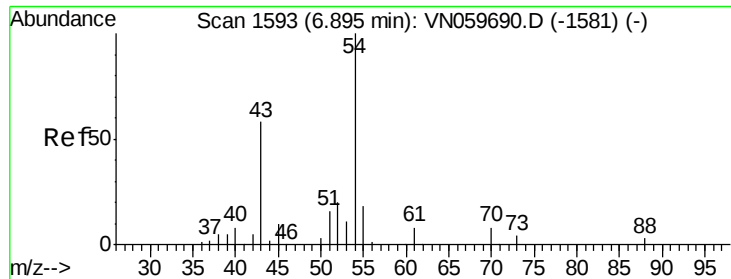
Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141195		
110	36.9	16.6	49.7	
77	30.7	25.1	37.7	





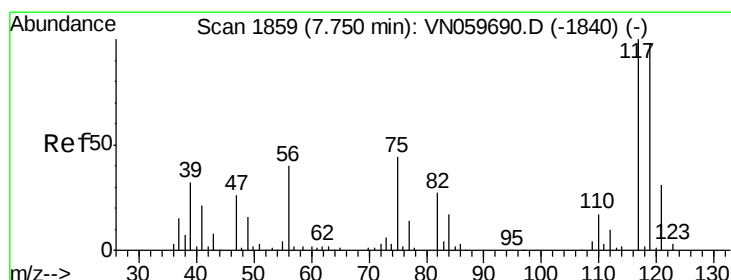
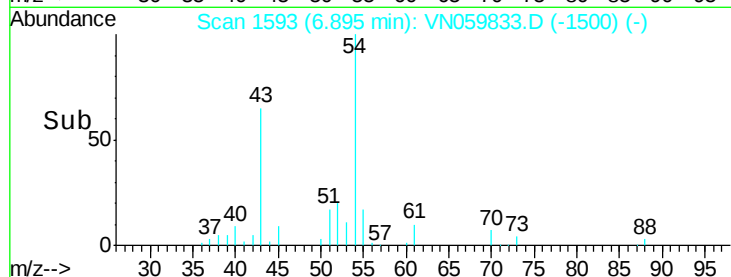
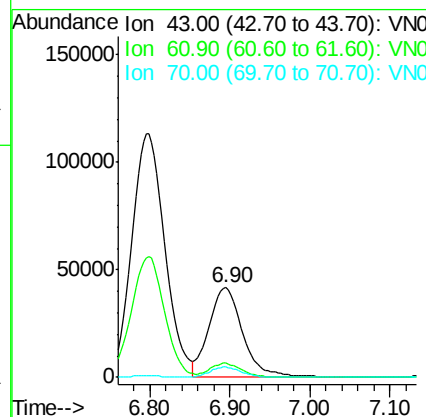
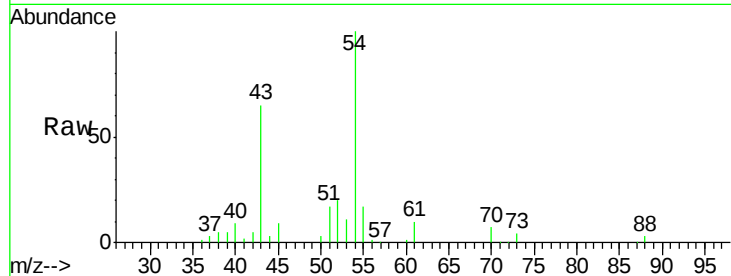
#37
Ethyl Acetate
Concen: 46.500 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	10.9	7.7	11.5

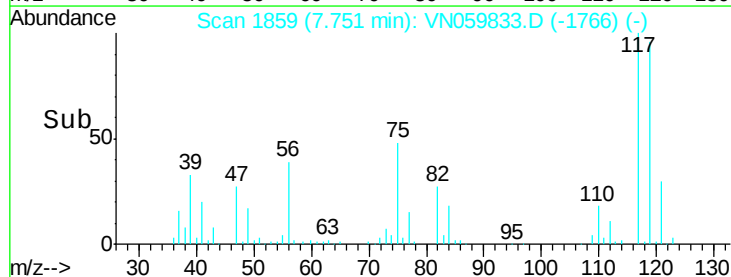
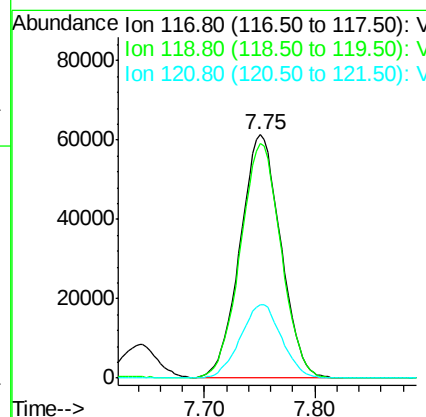
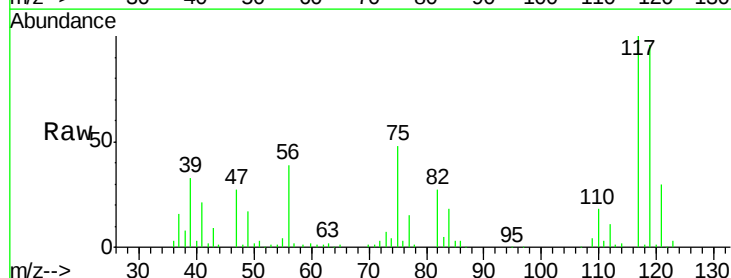
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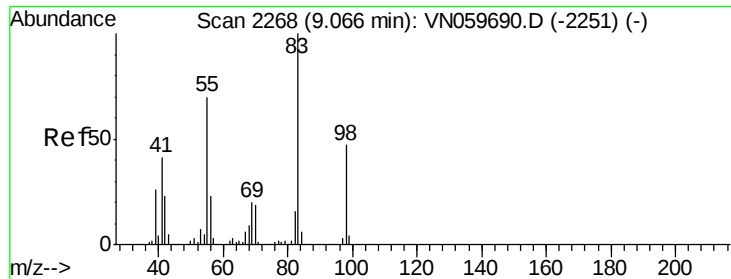
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#38
Carbon Tetrachloride
Concen: 51.497 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.5	114.7
121	30.2	25.1	37.7





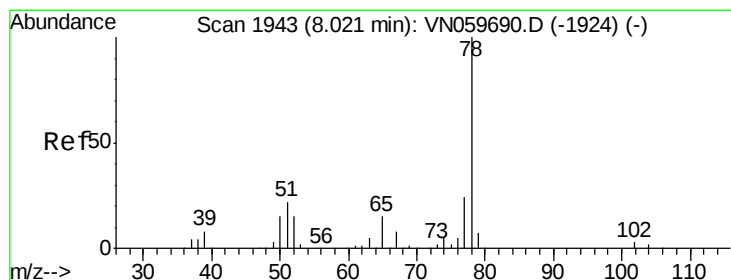
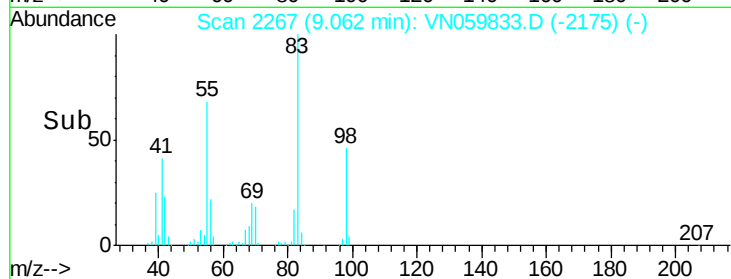
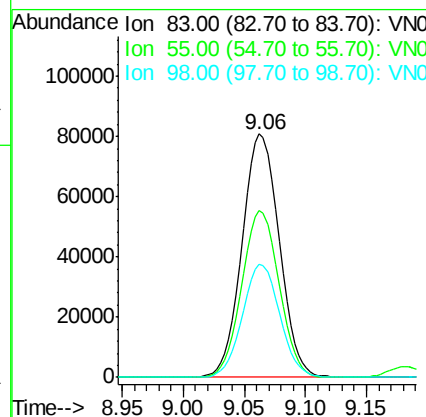
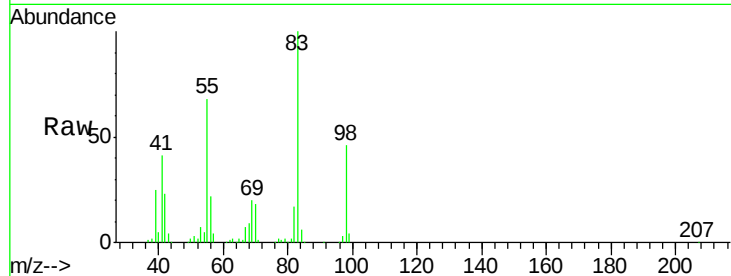
#39
Methvlcvclohexane
Concen: 49.492 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.4	64.2	96.2
98	46.4	35.9	53.9

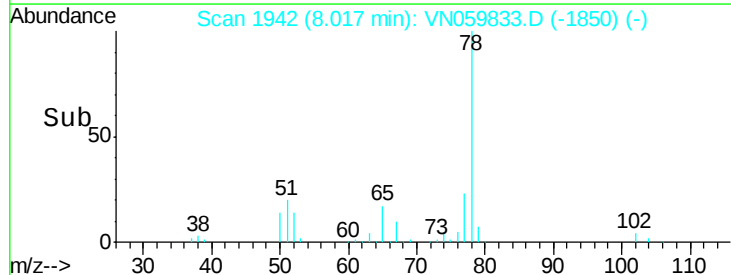
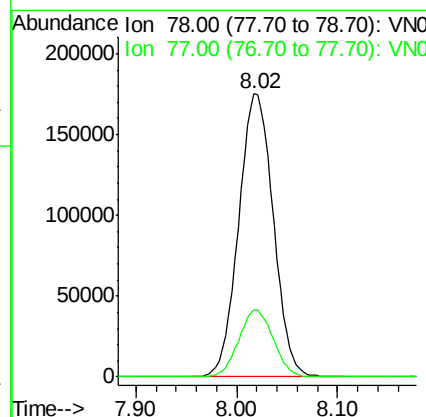
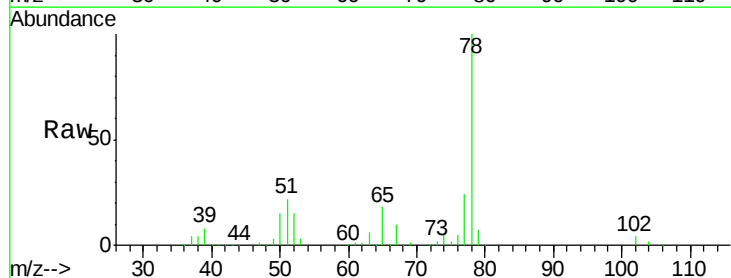
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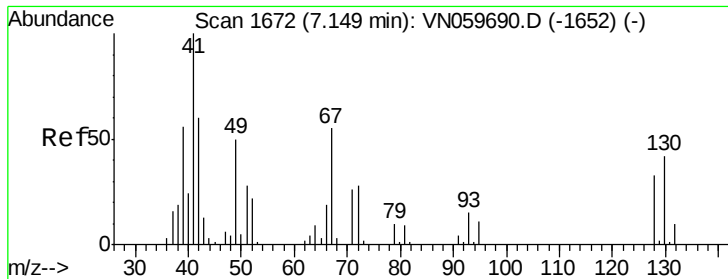
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#40
Benzene
Concen: 50.049 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





#41

Methacrylonitrile

Concen: 43.800 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 56493

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

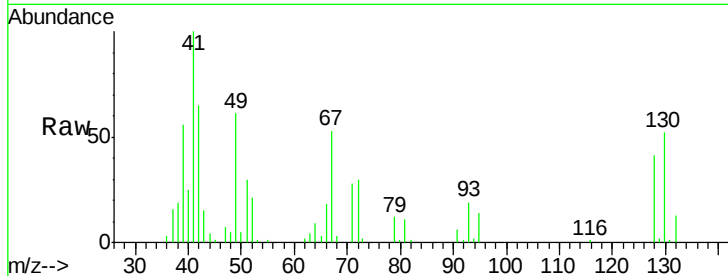
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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1/27/2020 11:15:28 AM

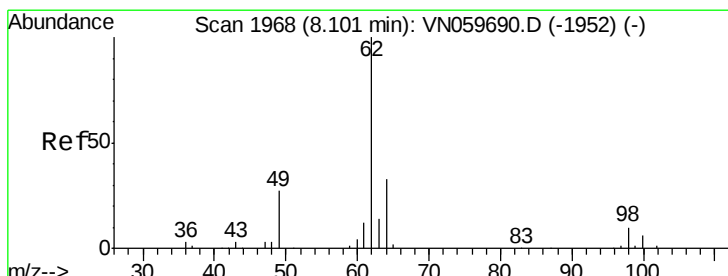
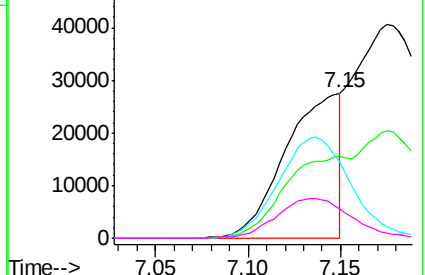
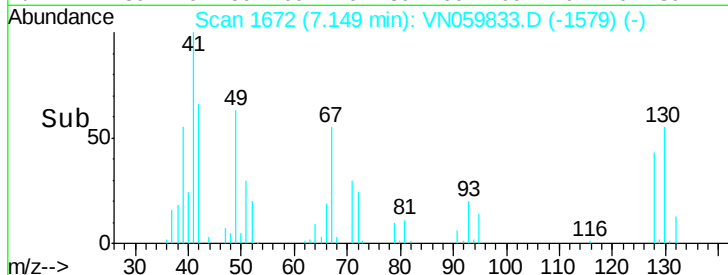


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 51.173 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN059833.D

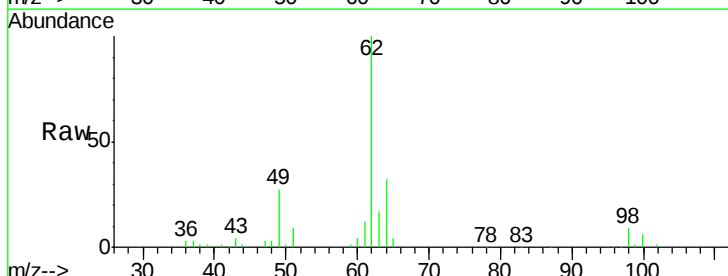
Acq: 24 Jan 2020 9:44

Tgt Ion: 62 Resp: 144466

Ion Ratio Lower Upper

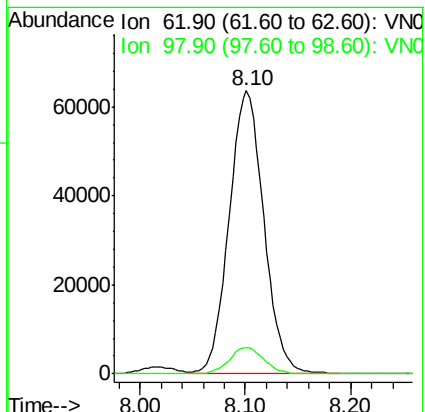
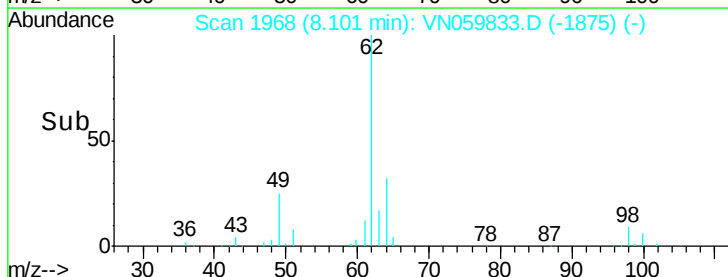
62 100

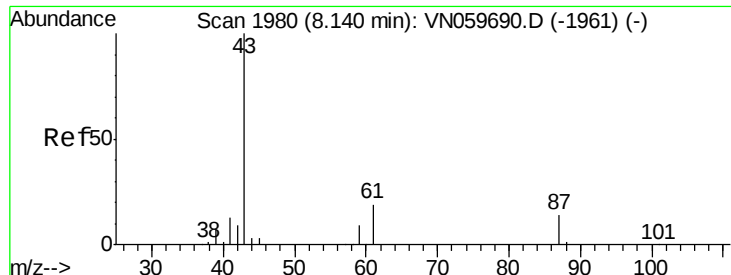
98 9.2 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





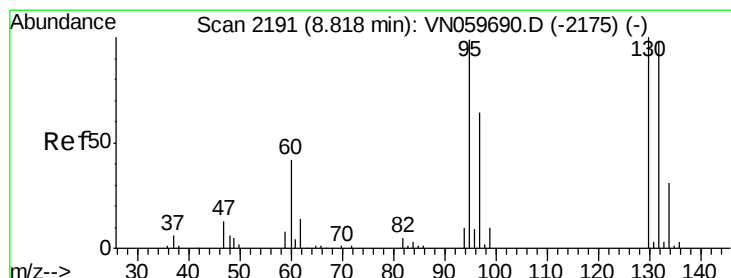
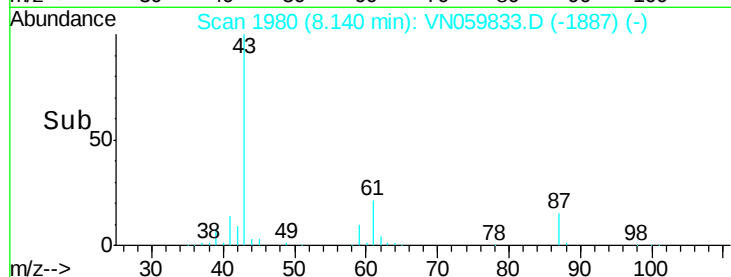
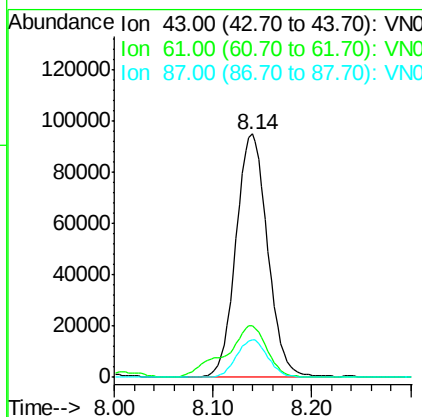
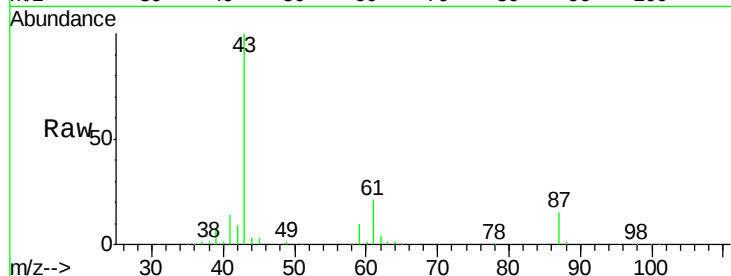
#43
Isopropyl Acetate
Concen: 47.002 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	20.2	30.2
87	15.2	9.5	14.3

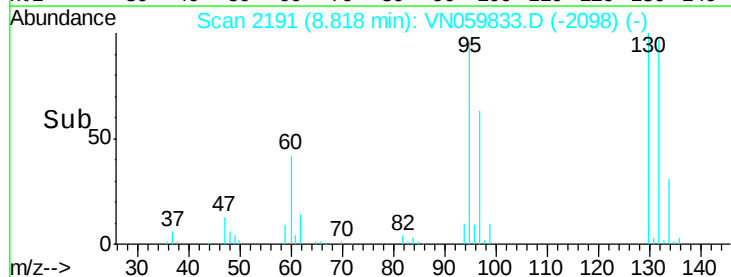
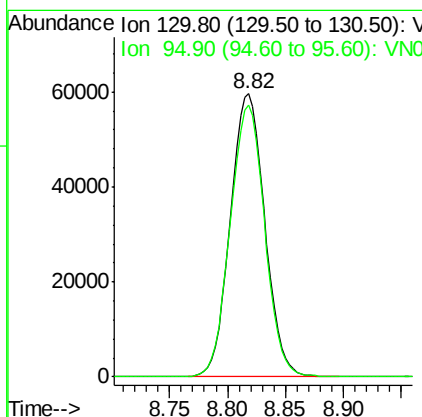
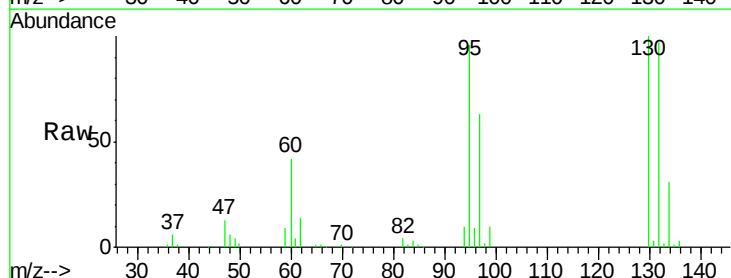
Manual Integrations
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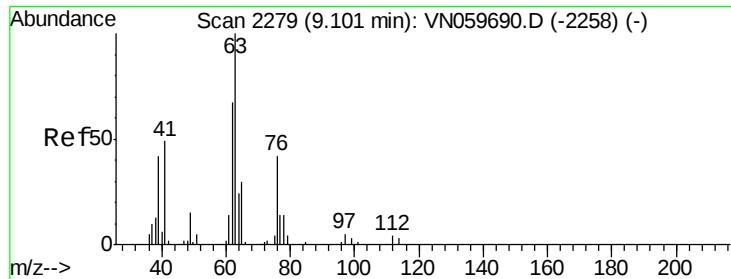
MMDadoda
1/27/2020 11:15:28 AM



#44
Trichloroethene
Concen: 53.926 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	207.0





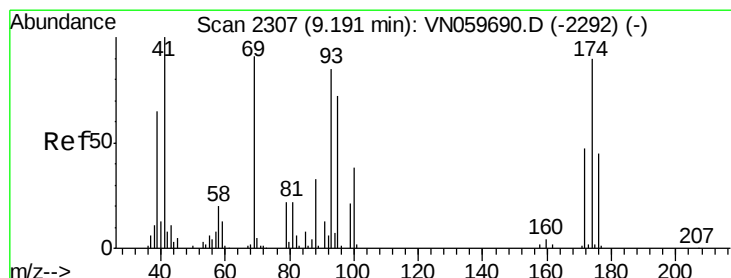
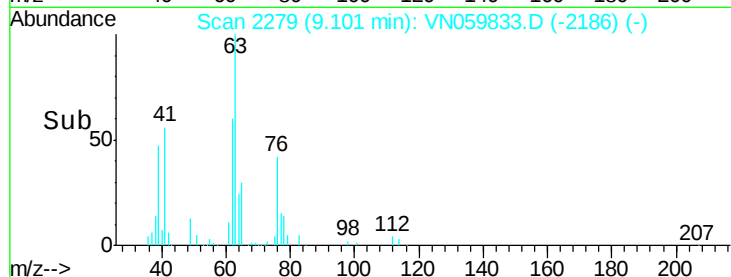
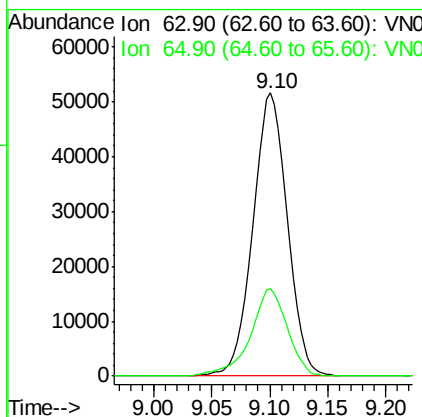
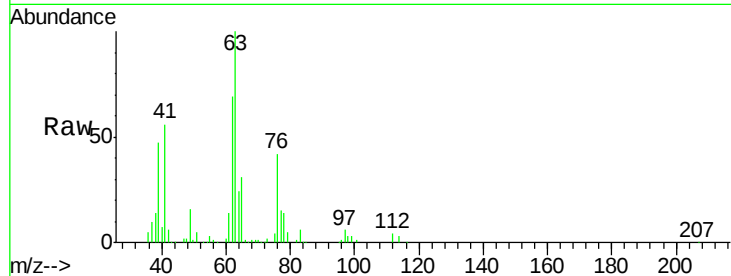
#45
 1,2-Dichloropropane
 Concen: 51.940 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 107016
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.9 37.3

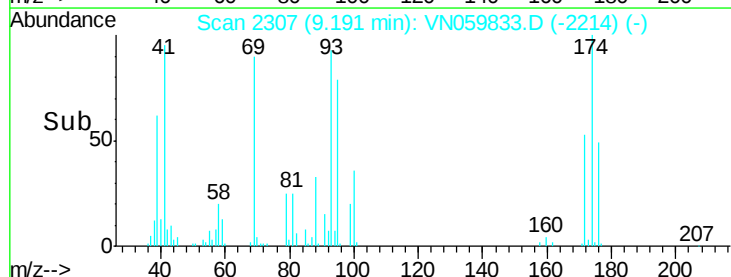
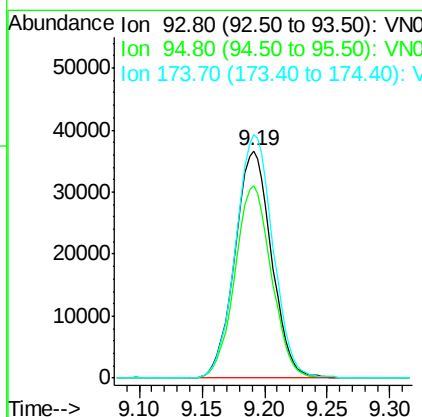
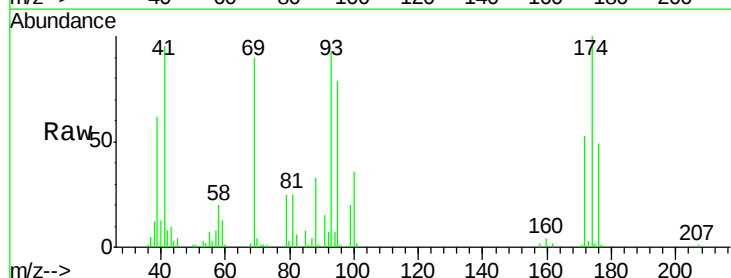
Manual Integrations
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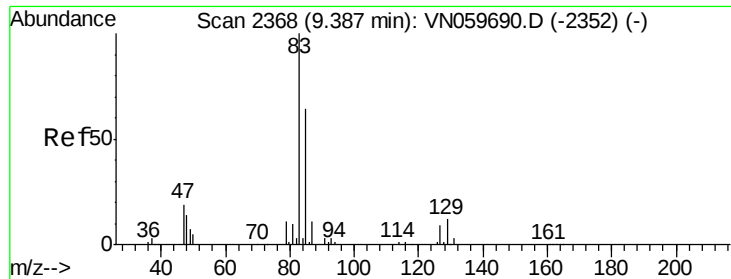
MMDadoda
 1/27/2020 11:15:28 AM



#46
 Dibromomethane
 Concen: 51.341 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Tgt Ion: 93 Resp: 74619
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.0 100.6
 174 108.6 73.4 110.2





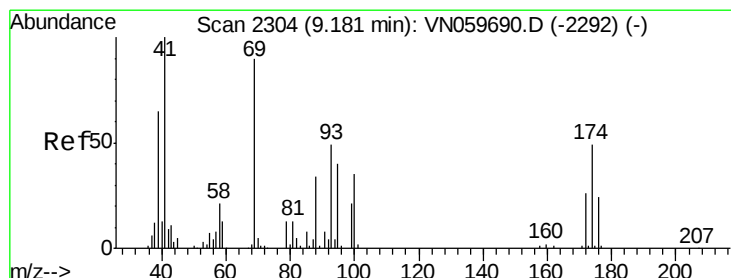
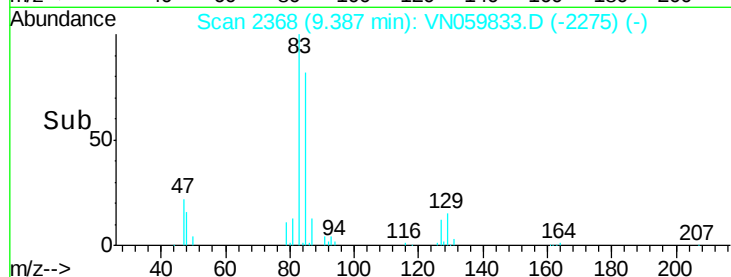
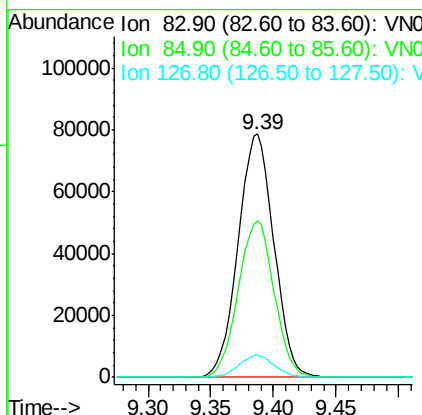
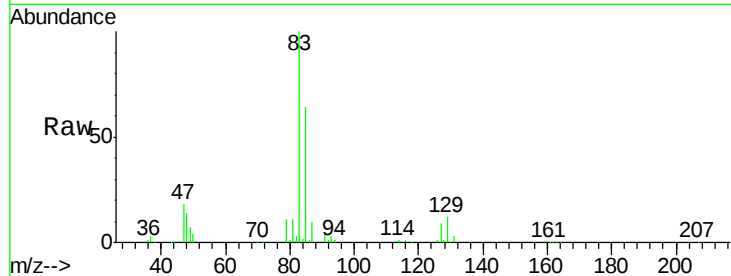
#47
Bromodichloromethane
Concen: 53.291 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7
127	9.3	6.6	9.8

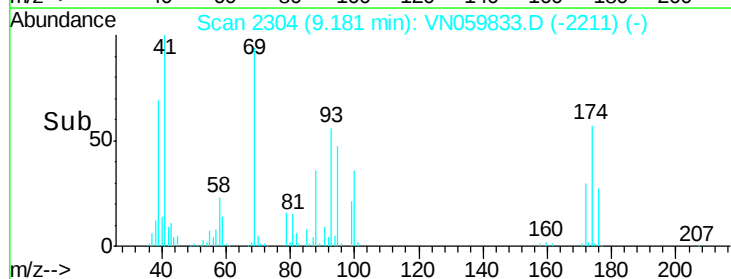
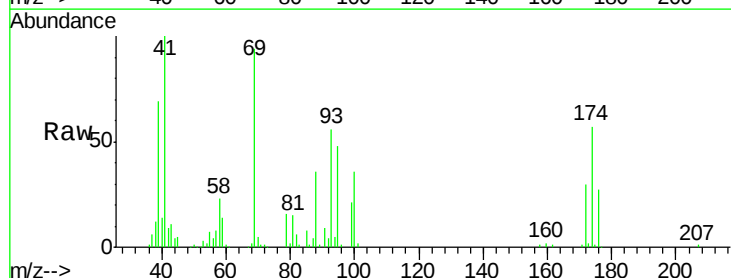
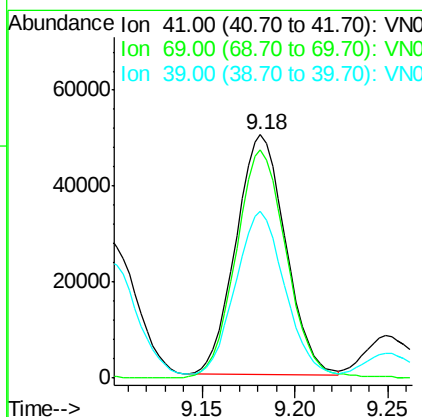
Manual Integrations
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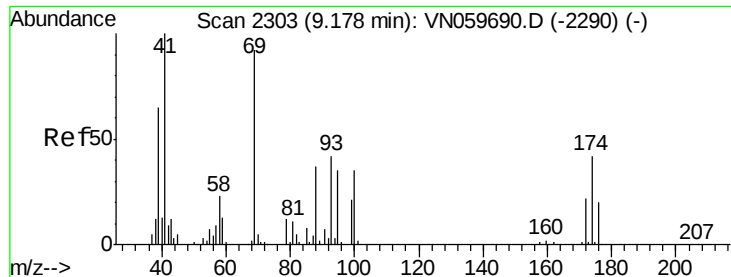
MMDadoda
1/27/2020 11:15:28 AM



#48
Methyl methacrylate
Concen: 46.223 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.7	64.4	96.6#
39	66.9	51.3	76.9





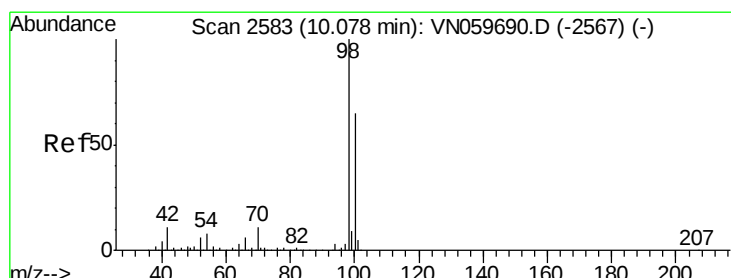
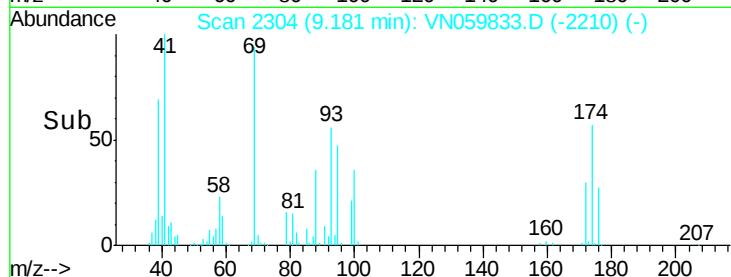
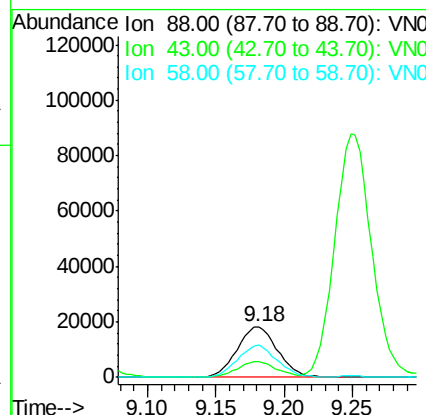
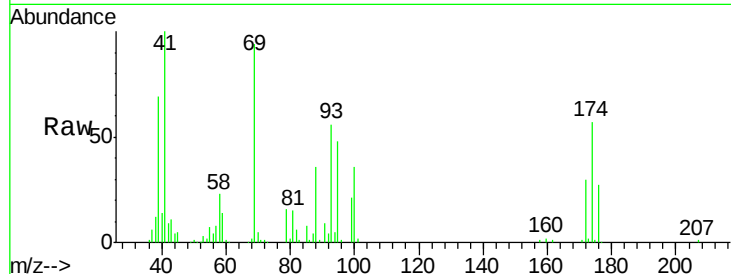
#49
1,4-Dioxane
Concen: 1022.374 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	37706
Ion Ratio	Lower	Upper	
88	100		
43	30.0	29.7	44.5
58	61.9	56.6	85.0

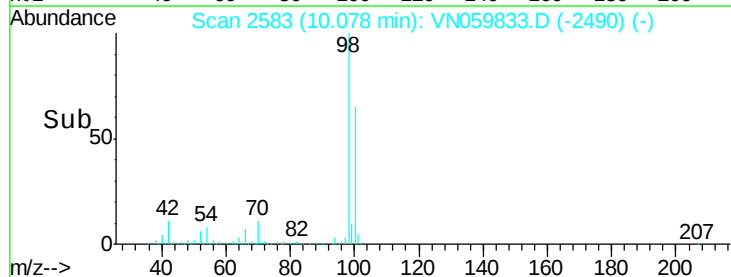
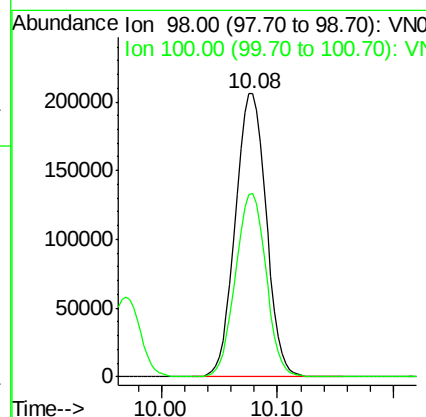
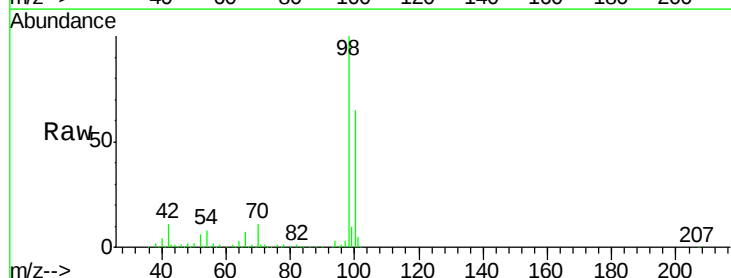
Manual Integrations
APPROVED

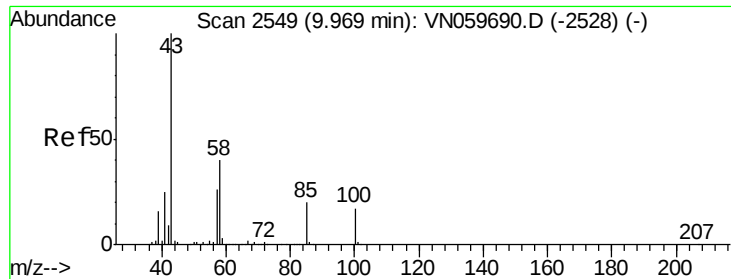
MMDadoda
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#50
Toluene-d8
Concen: 51.249 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	98	Resp	379632
Ion Ratio	Lower	Upper	
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 233.307 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 607449

Ion Ratio Lower Upper

43 100

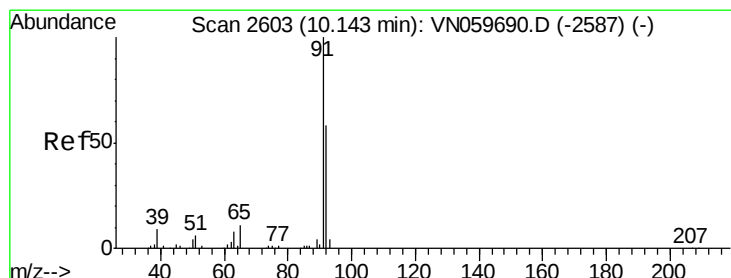
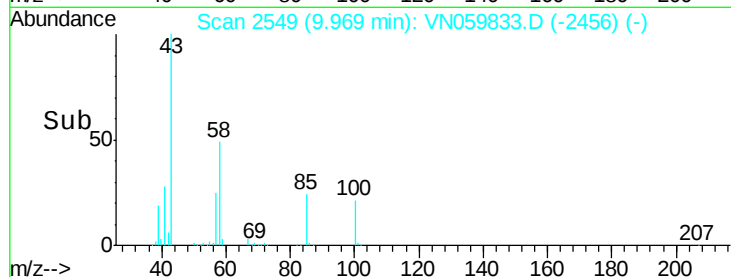
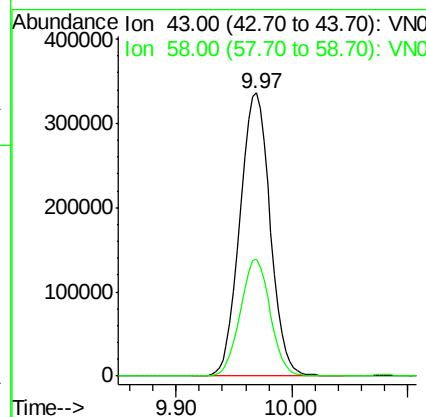
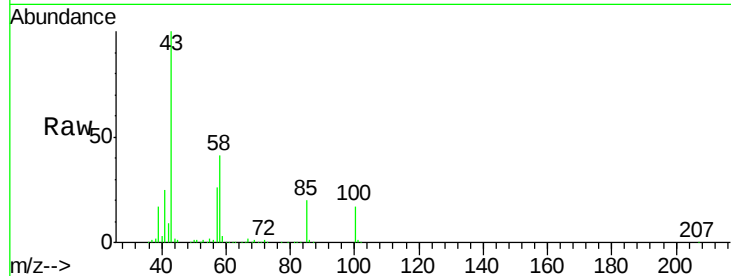
58 40.8 29.8 44.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 51.836 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059833.D

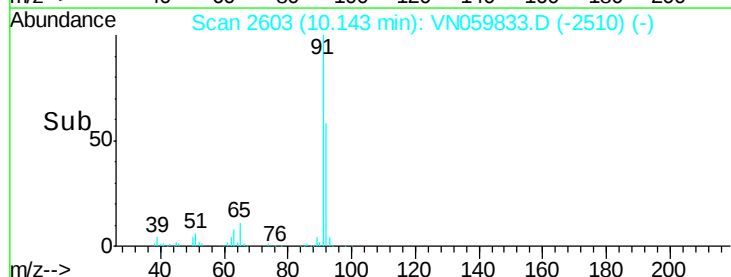
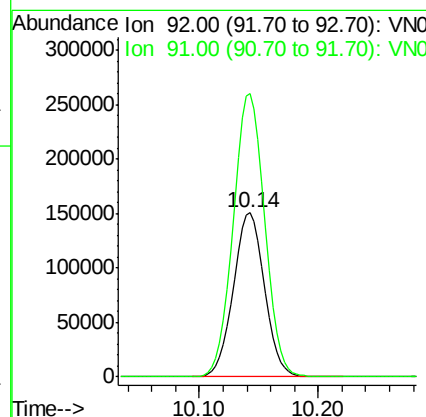
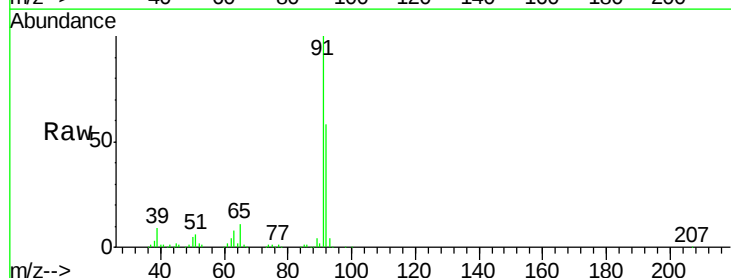
Acq: 24 Jan 2020 9:44

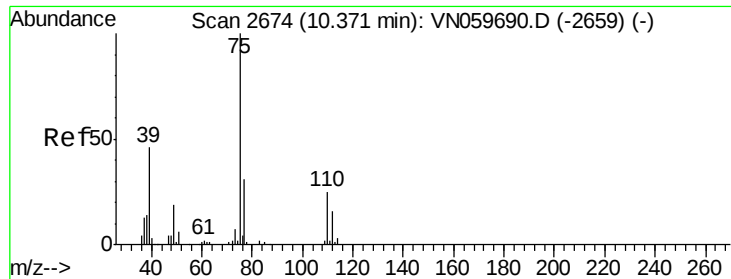
Tgt Ion: 92 Resp: 272625

Ion Ratio Lower Upper

92 100

91 174.6 140.4 210.6





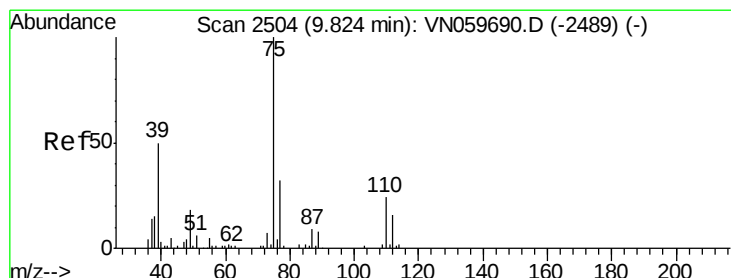
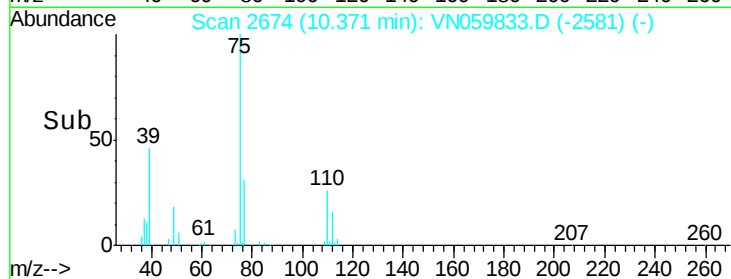
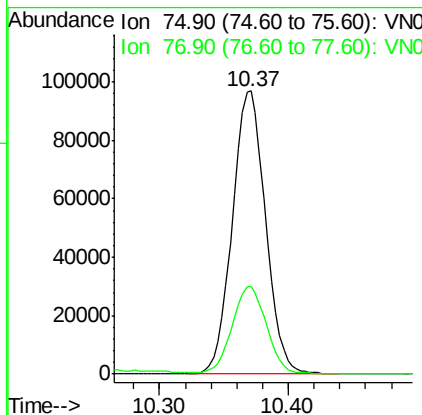
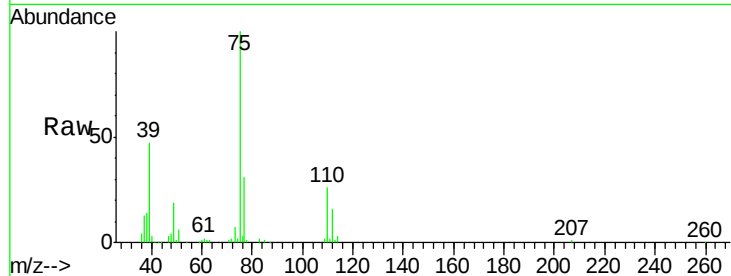
#53
t-1,3-Dichloropropene
Concen: 53.070 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	75	Resp	173557
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.2

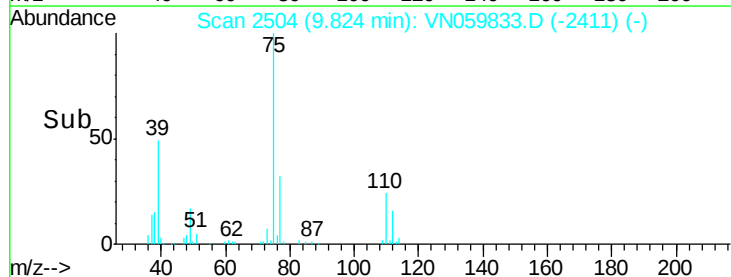
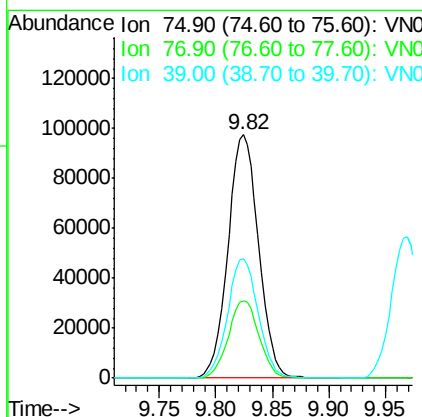
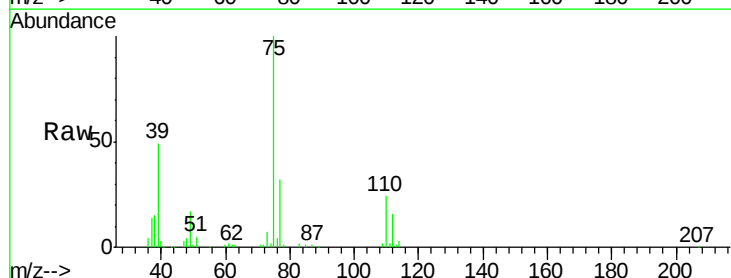
Manual Integrations
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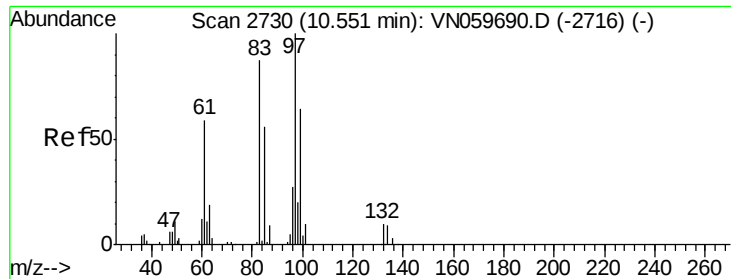
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.280 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	75	Resp	183336
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	49.2	46.1	69.1





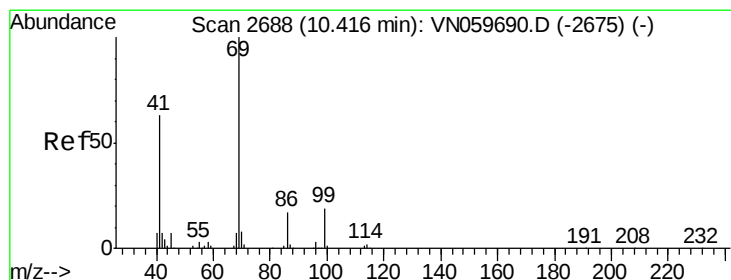
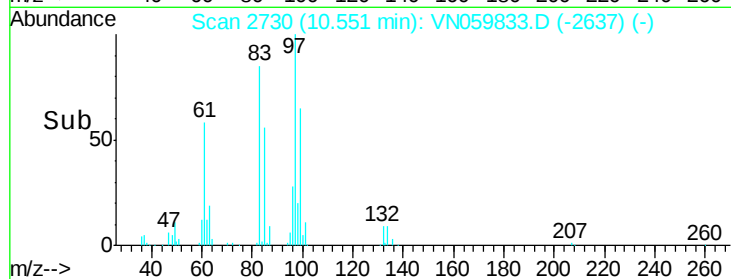
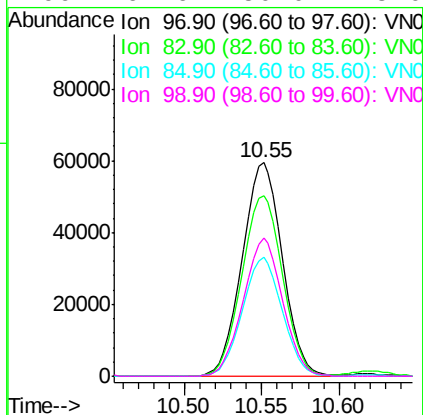
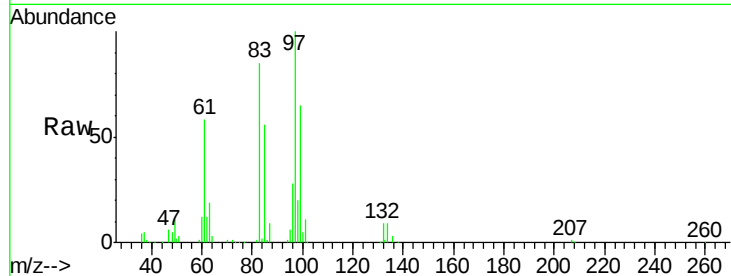
#55
 1,1,2-Trichloroethane
 Concen: 51.723 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	107739
Ion	Ratio	Lower	Upper
97	100		
83	84.7	71.3	106.9
85	55.6	45.8	68.8
99	64.6	50.0	75.0

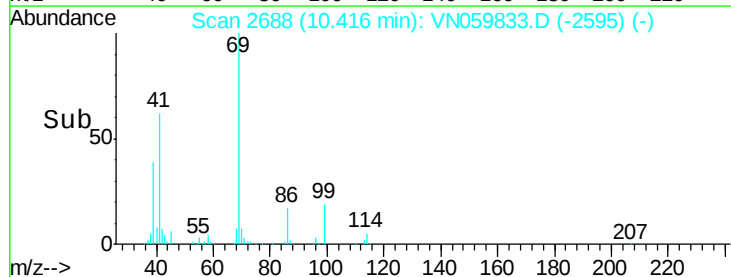
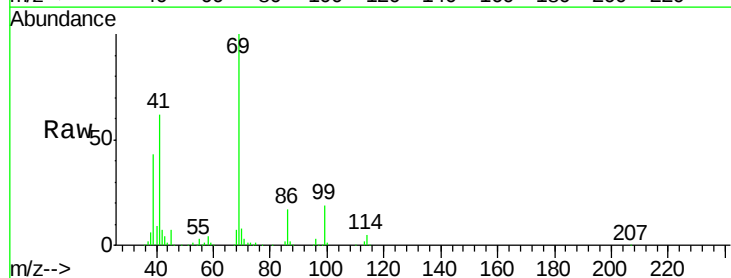
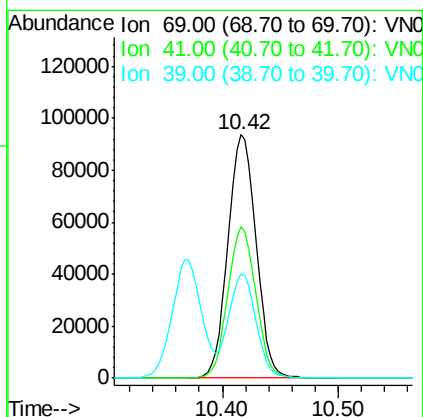
Manual Integrations
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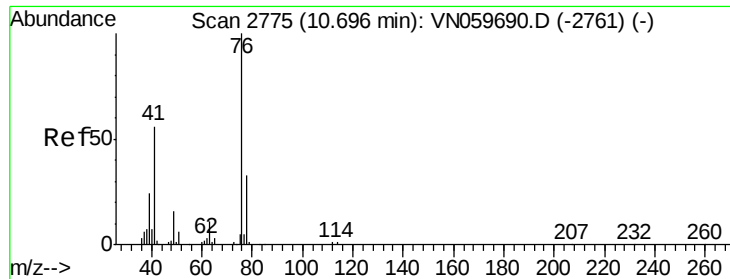
MMDadoda
 1/27/2020 11:15:28 AM



#56
 Ethyl methacrylate
 Concen: 49.368 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Tgt Ion:	69	Resp:	157133
Ion	Ratio	Lower	Upper
69	100		
41	61.1	57.1	85.7
39	41.8	34.7	52.1





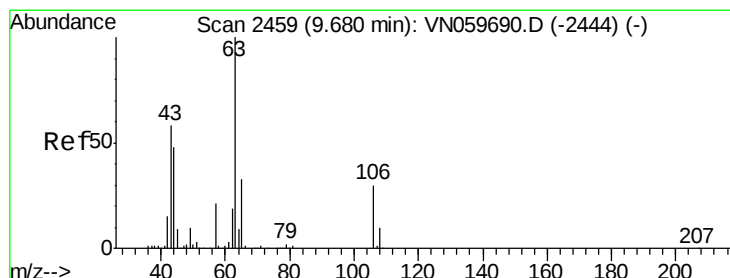
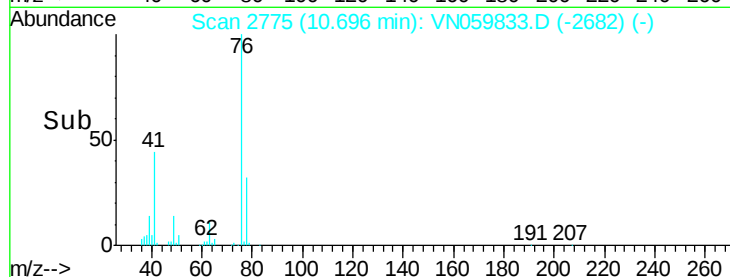
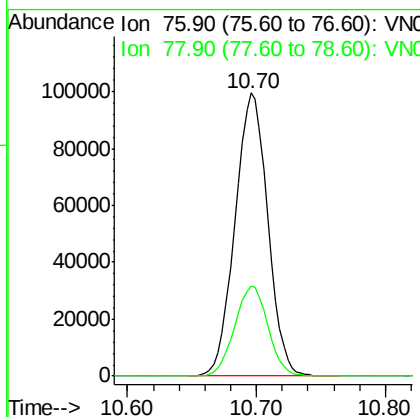
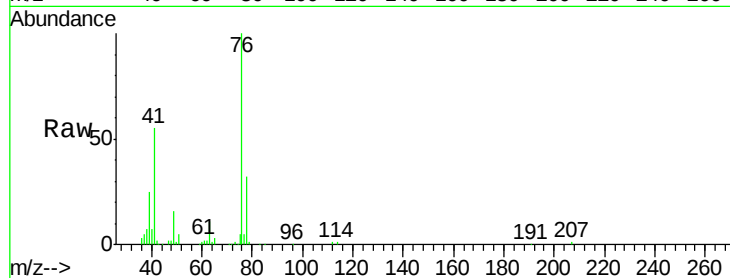
#57
 1,3-Dichloropropane
 Concen: 53.051 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 175443
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

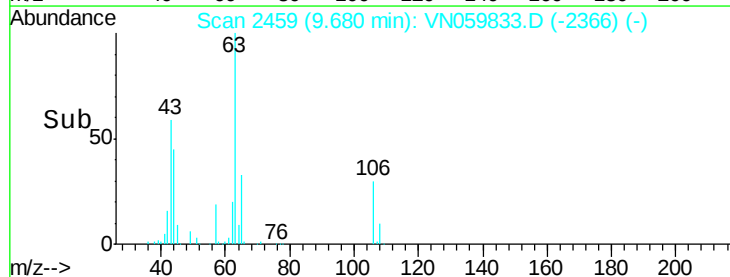
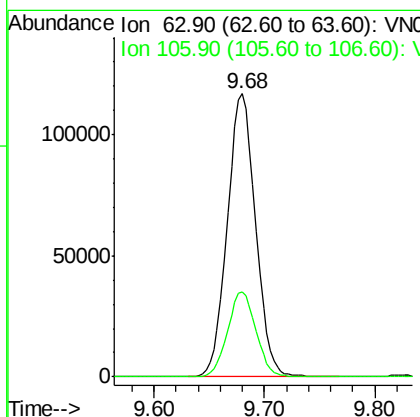
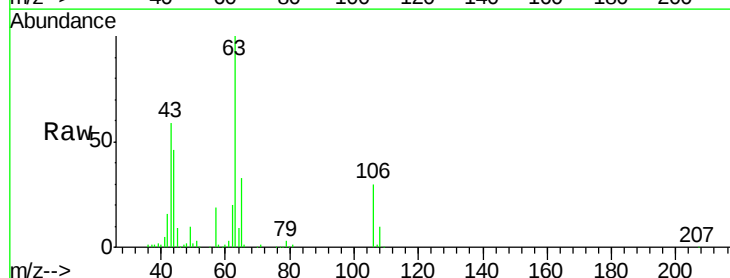
Manual Integrations
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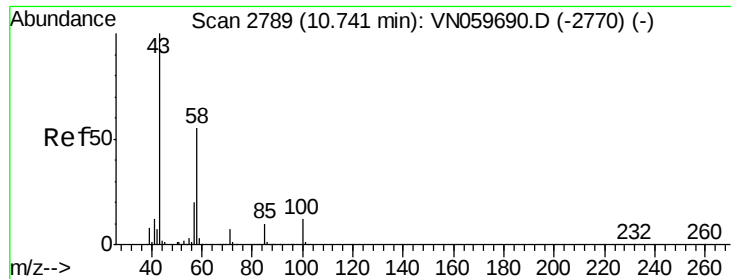
MMDadoda
 1/27/2020 11:15:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 216.672 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Tgt Ion: 63 Resp: 207721
 Ion Ratio Lower Upper
 63 100
 106 30.2 20.2 30.2





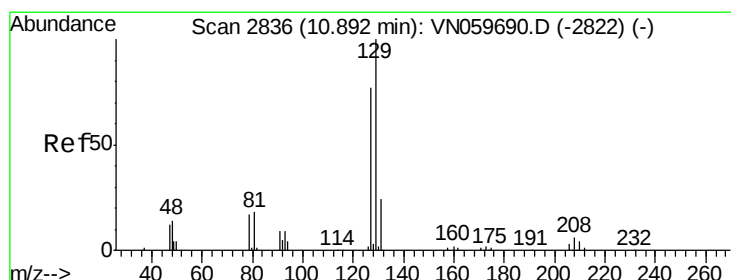
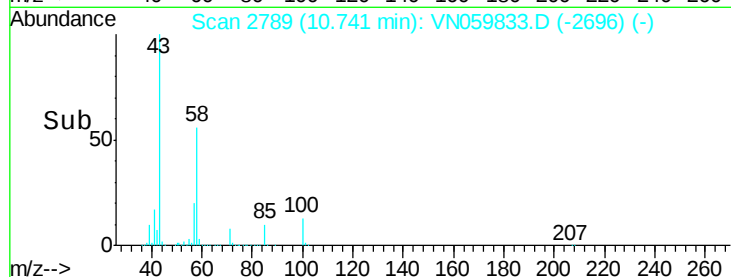
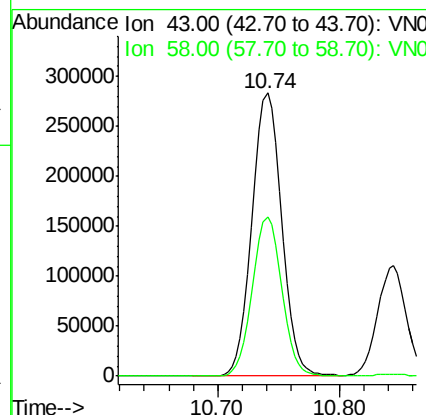
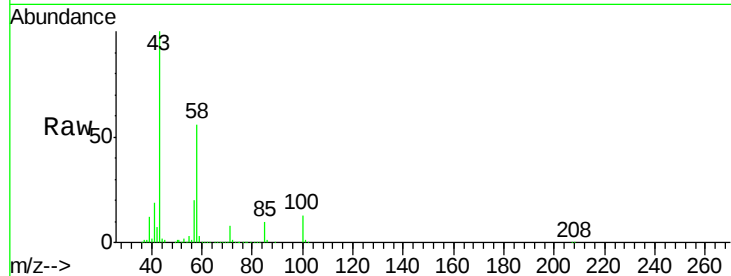
#59
2-Hexanone
Concen: 248.129 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 475940
Ion Ratio Lower Upper
43 100
58 55.6 25.8 77.3

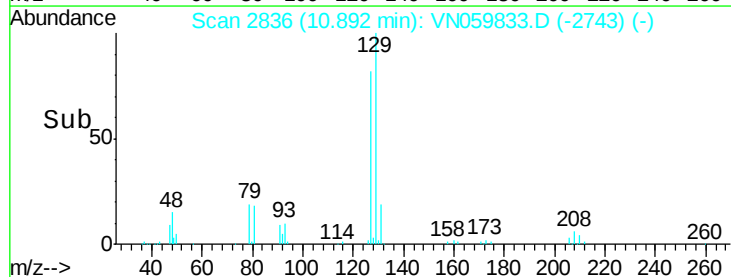
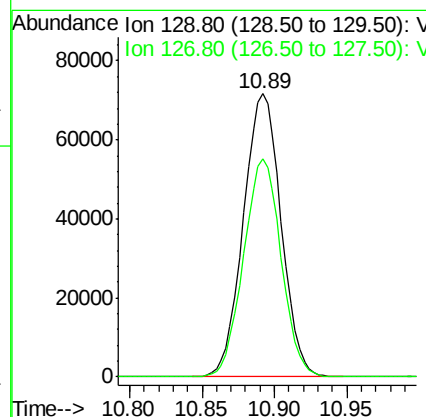
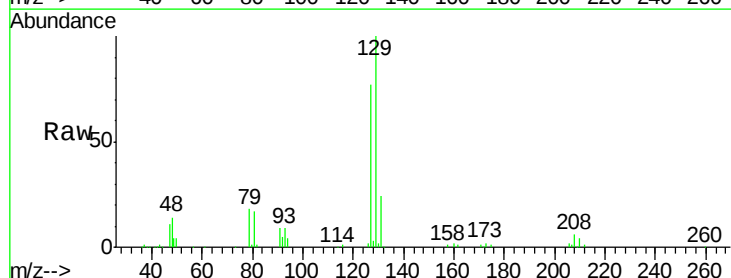
Manual Integrations
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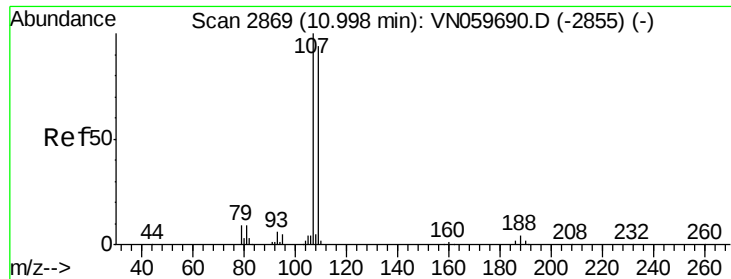
MMDadoda
1/27/2020 11:15:28 AM



#60
Dibromochloromethane
Concen: 54.675 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion: 129 Resp: 129692
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.362 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 114319

Ion Ratio Lower Upper

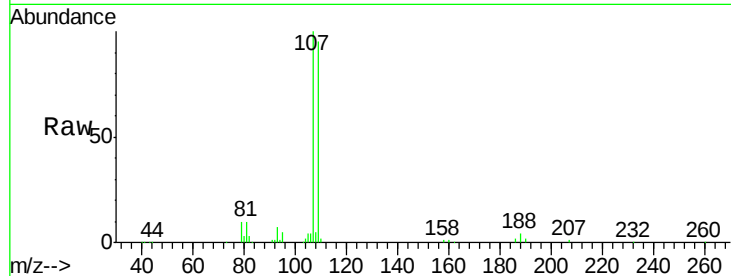
107 100

109 93.9 76.6 115.0

Manual Integrations
APPROVED

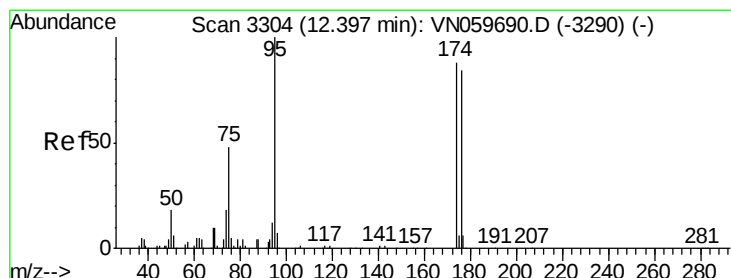
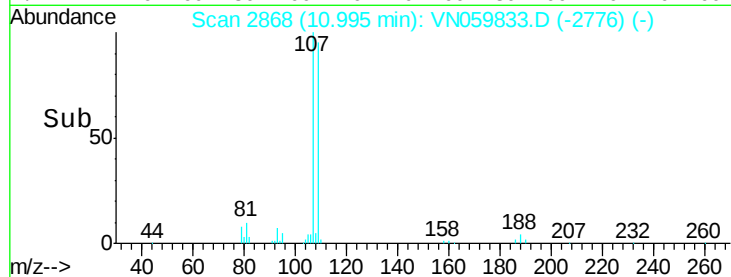
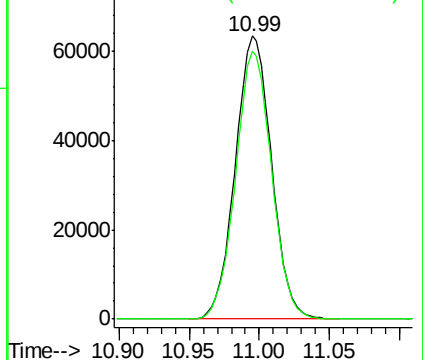
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.211 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

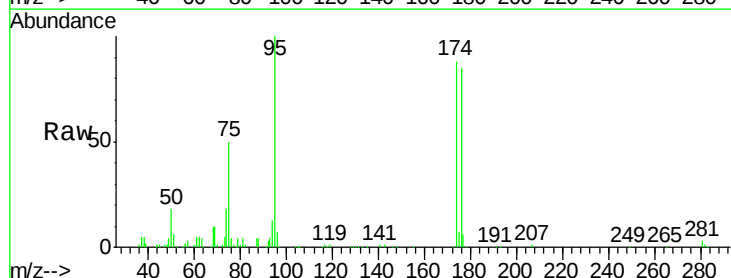
Tgt Ion: 95 Resp: 136756

Ion Ratio Lower Upper

95 100

174 88.6 0.0 151.4

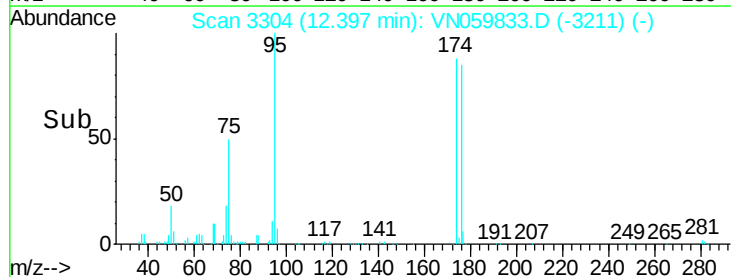
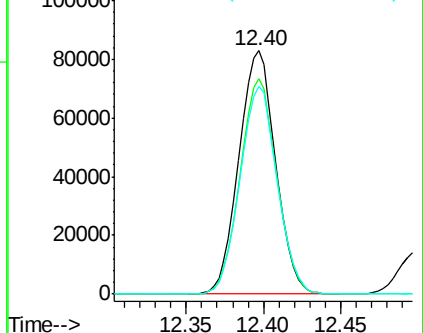
176 86.4 0.0 146.0

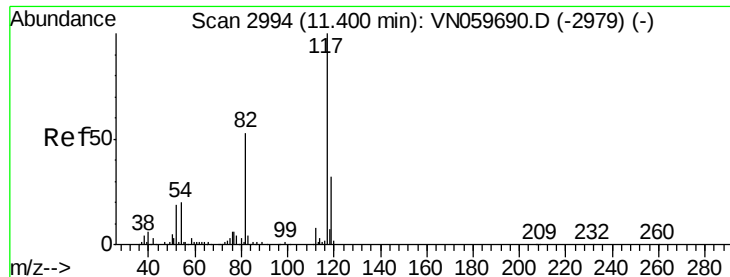


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





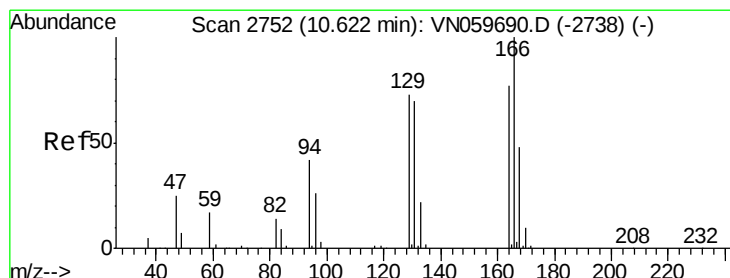
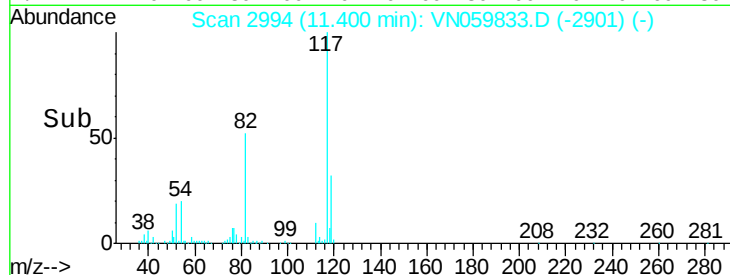
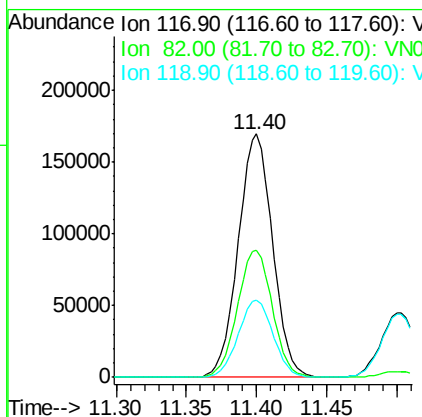
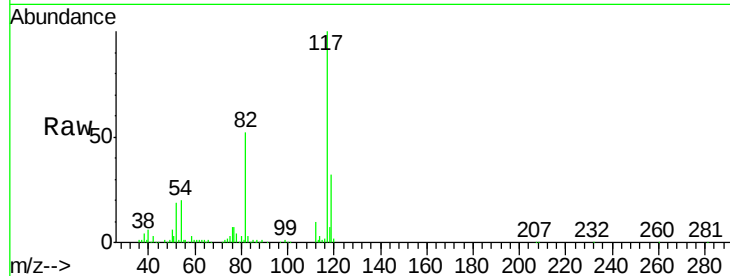
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289815		
82	52.2		45.9	68.9
119	31.8		25.5	38.3

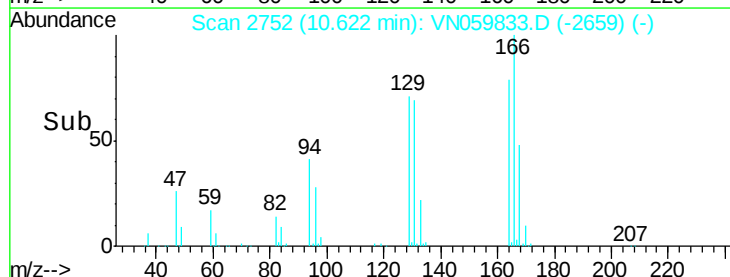
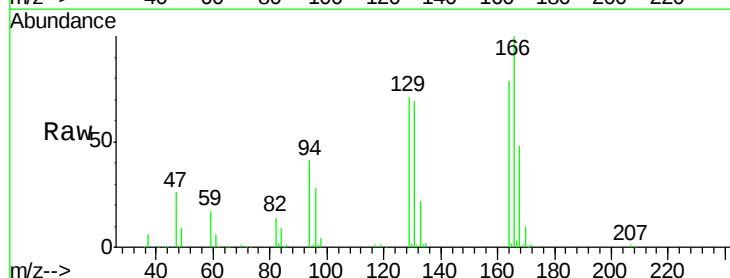
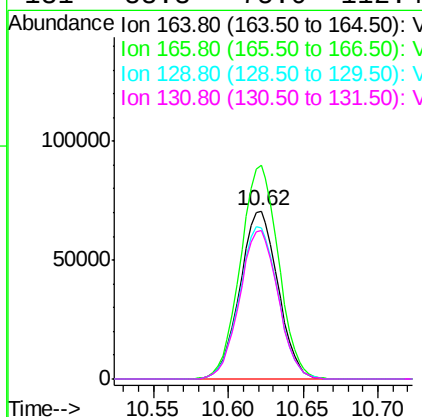
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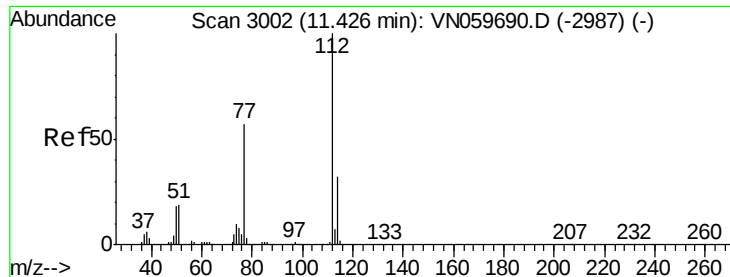
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#64
Tetrachloroethene
Concen: 52.953 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125075		
166	127.4		101.4	152.0
129	90.5		80.2	120.4
131	88.3		75.0	112.4





#65

Chlorobenzene

Concen: 52.724 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 300337

Ion Ratio Lower Upper

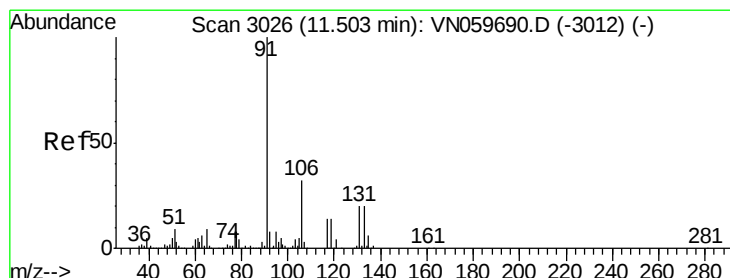
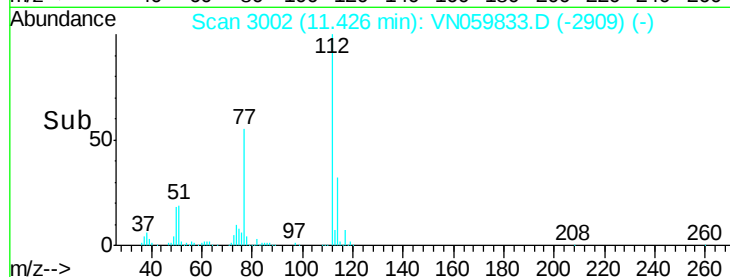
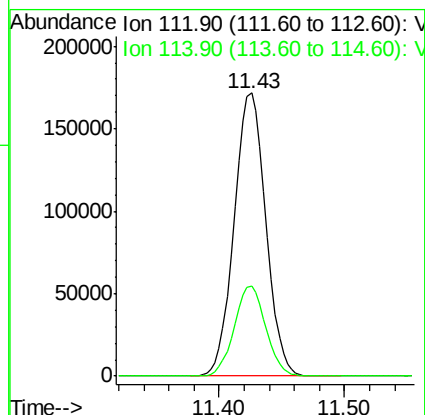
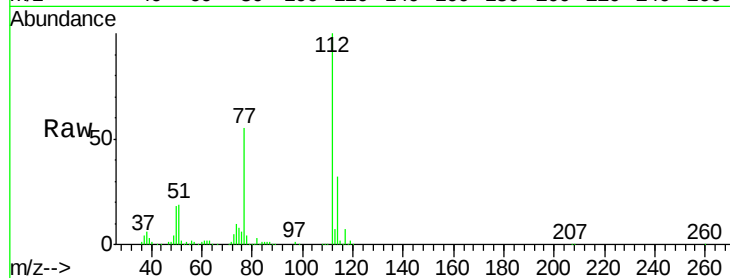
112 100

114 31.7 25.8 38.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 54.009 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

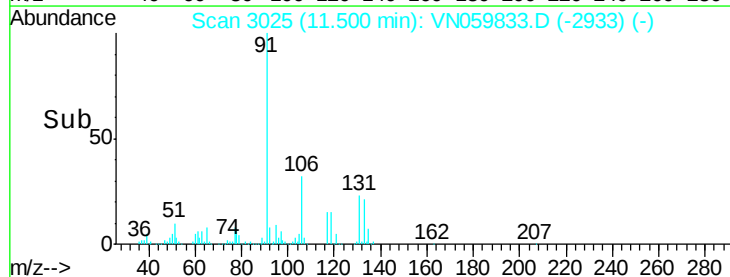
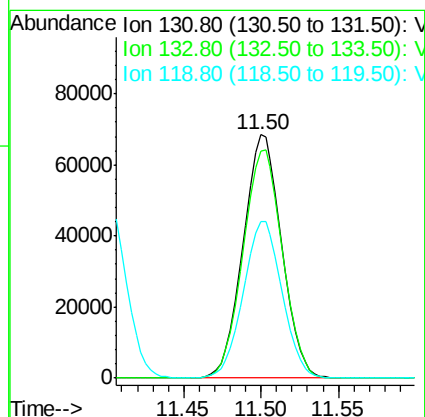
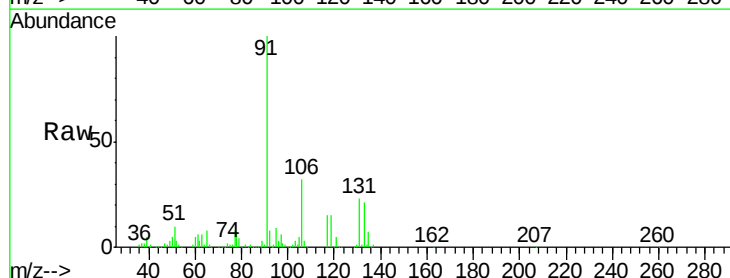
Tgt Ion:131 Resp: 118878

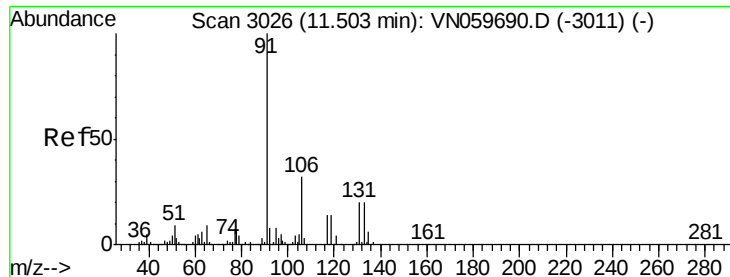
Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

119 64.7 33.1 99.3





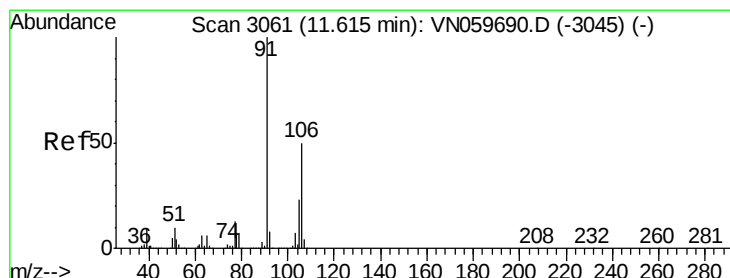
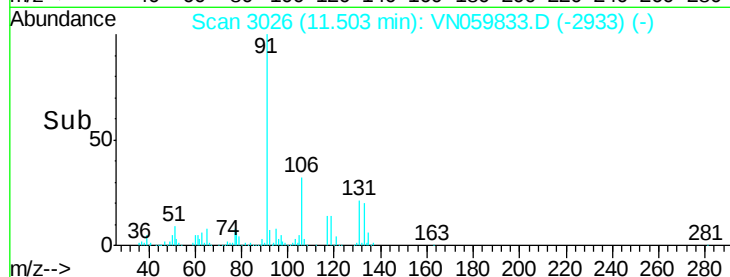
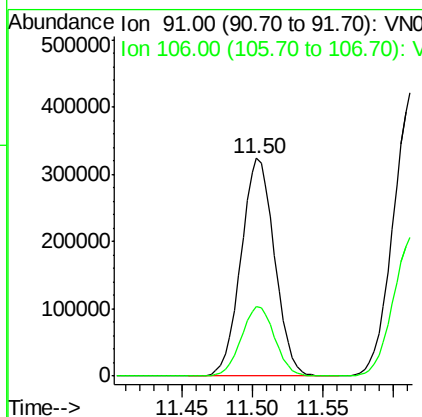
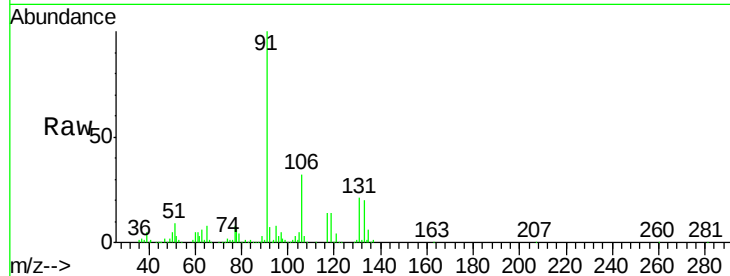
#67
Ethyl Benzene
Concen: 52.241 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 540212
Ion Ratio Lower Upper
91 100
106 31.9 24.1 36.1

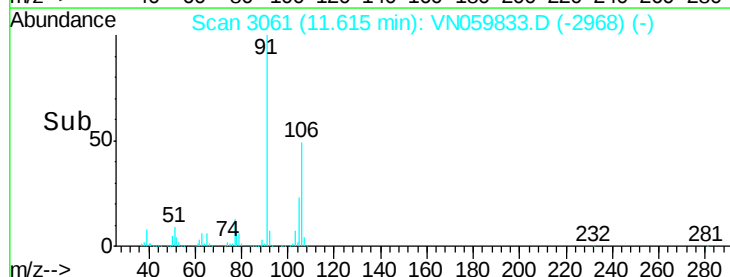
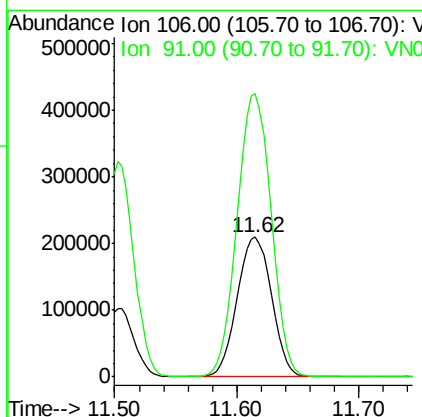
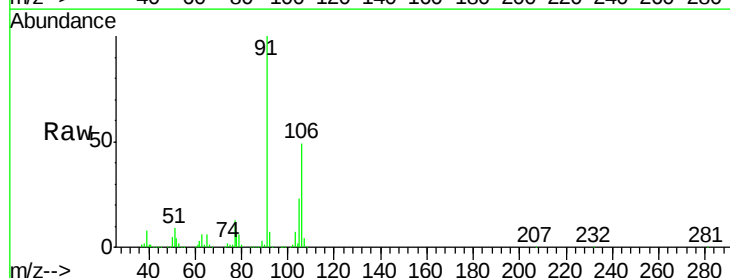
Manual Integrations
APPROVED

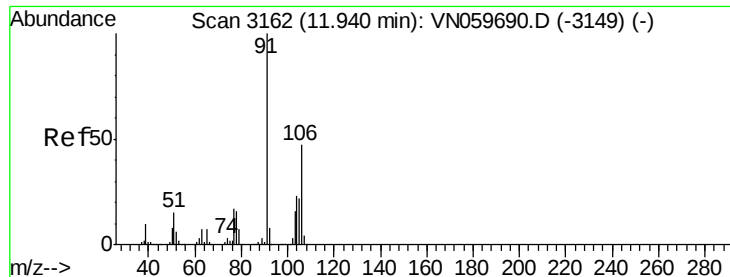
MMDadoda
1/27/2020 11:15:28 AM



#68
m/p-Xylenes
Concen: 104.473 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion: 106 Resp: 408086
Ion Ratio Lower Upper
106 100
91 200.9 167.9 251.9





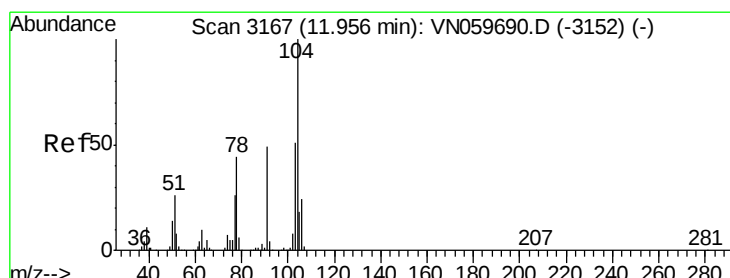
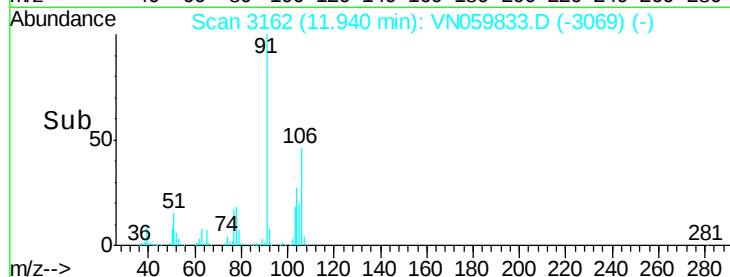
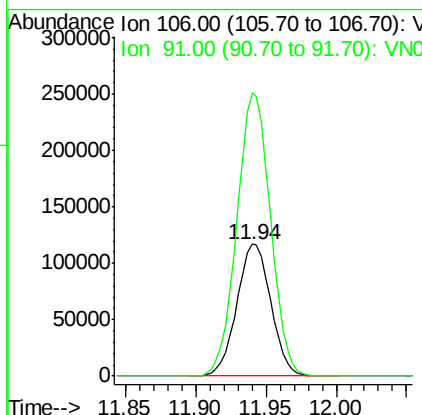
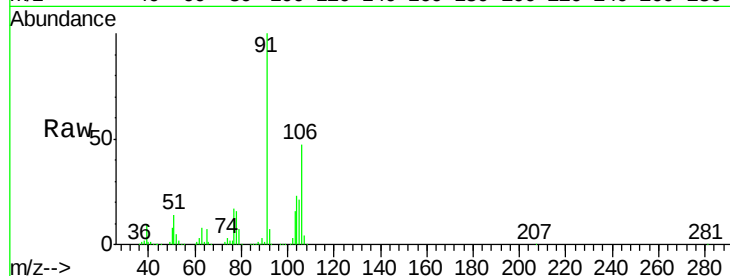
#69
o-Xylene
Concen: 51.654 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	197531		
91	91	212.5	110.3	330.9	

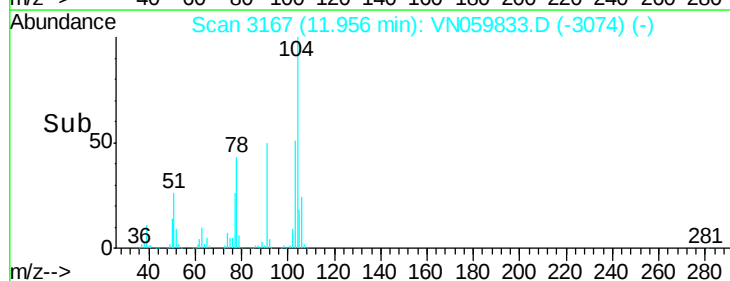
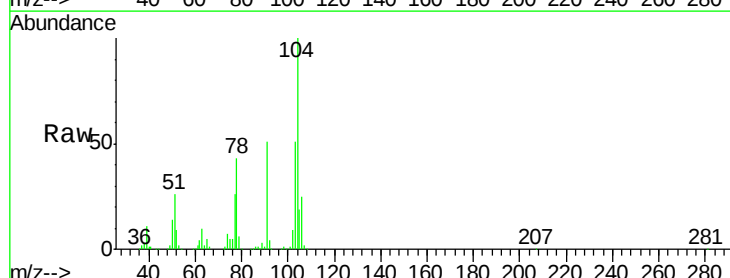
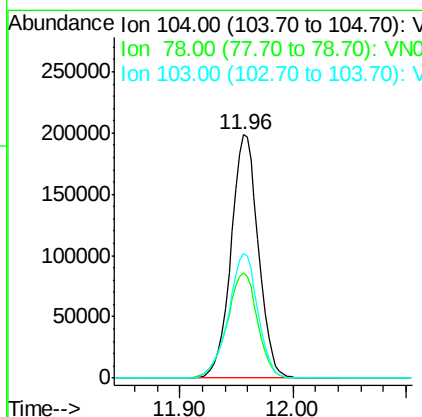
Manual Integrations
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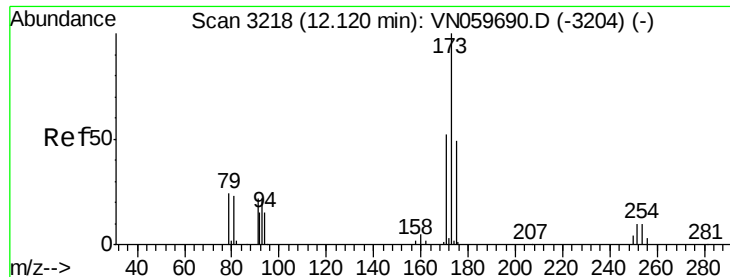
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#70
Styrene
Concen: 52.015 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	332853		
78	78	48.4	42.4	63.6	
103	103	55.2	43.9	65.9	





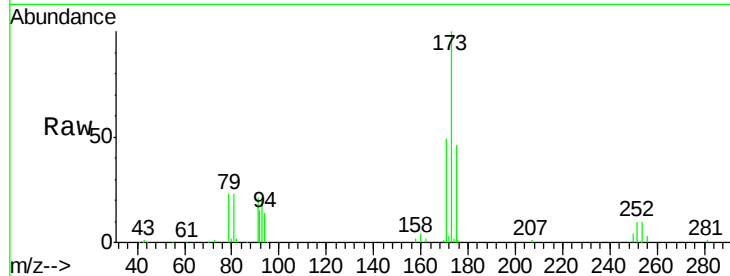
#71
Bromoform
Concen: 55.379 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

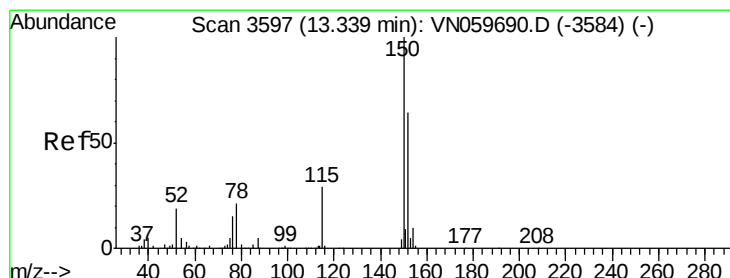
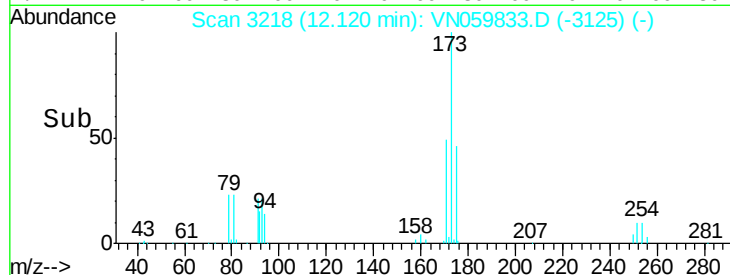
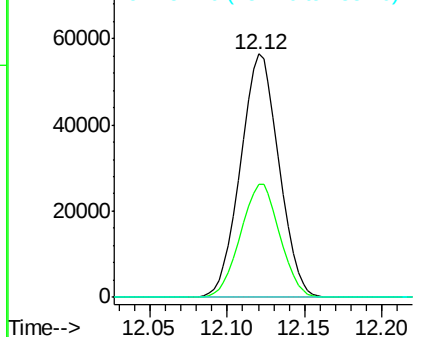
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.8	71.4
254	0.0	0.0	0.0

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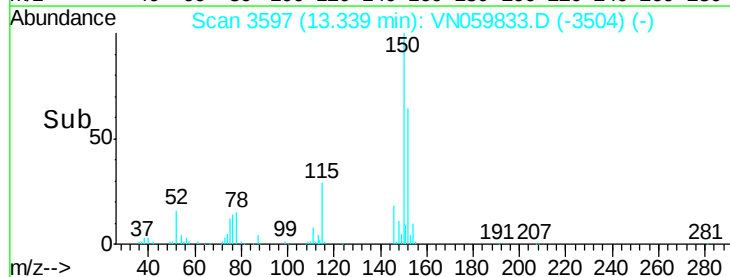
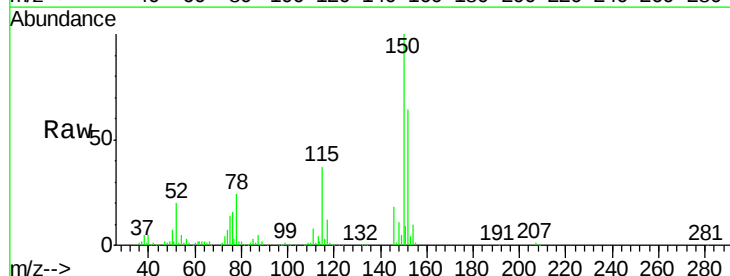
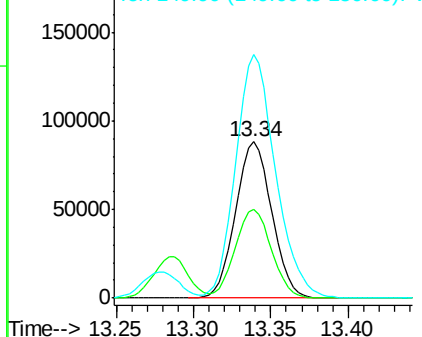
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

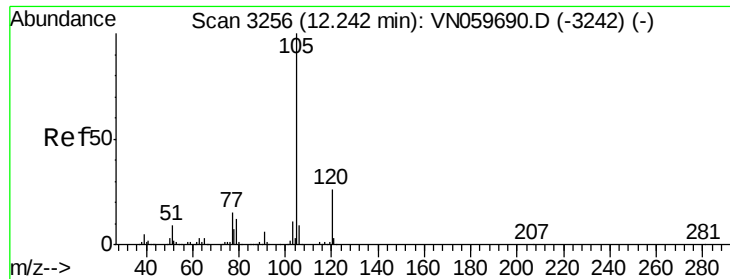


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	30.3	90.9
150	171.2	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: 51.148 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 536475

Ion Ratio Lower Upper

105 100

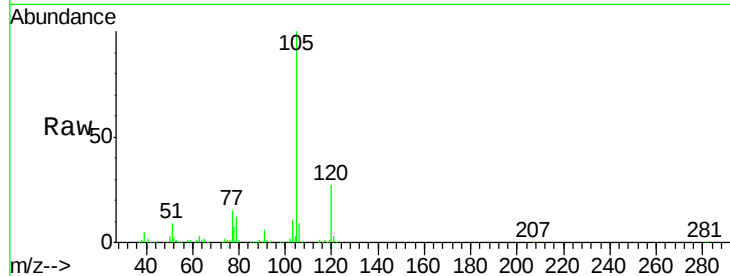
120 27.0 13.2 39.5

Manual Integrations

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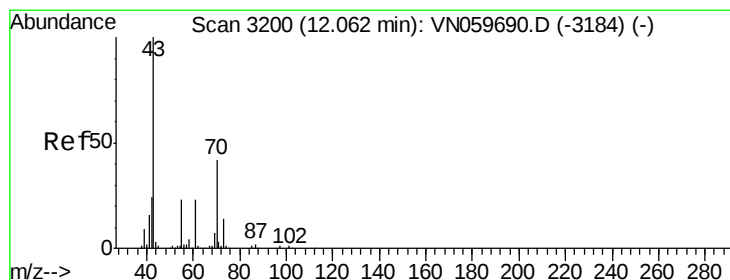
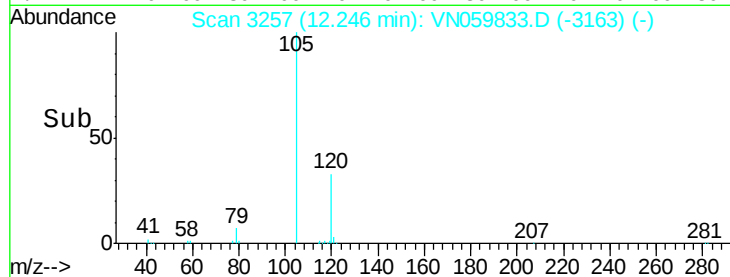
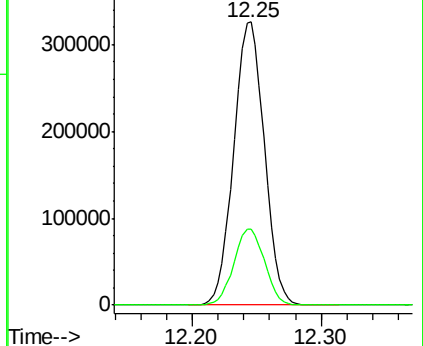
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.178 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Tgt Ion: 43 Resp: 183872

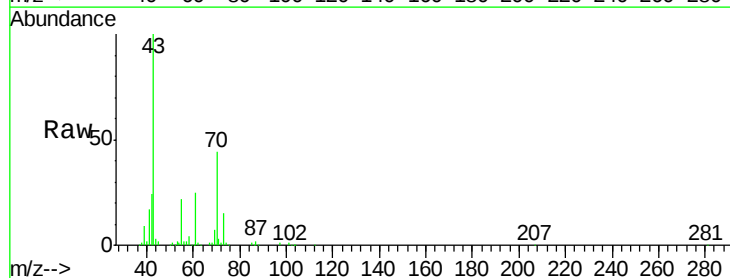
Ion Ratio Lower Upper

43 100

70 43.7 31.3 46.9

55 23.3 19.8 29.6

61 24.7 18.3 27.5

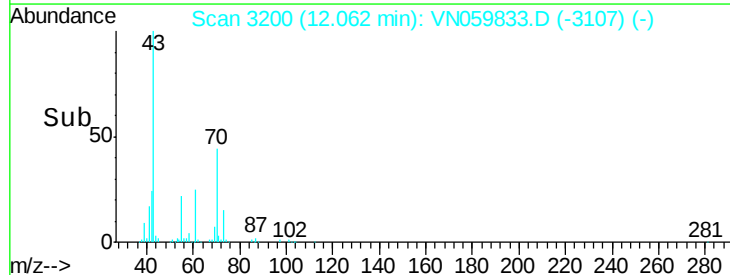
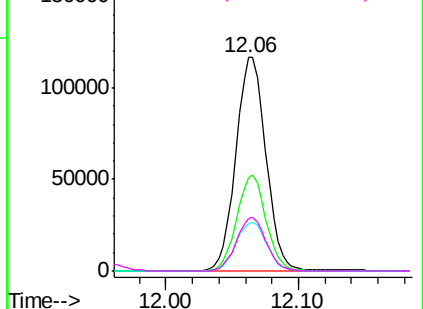


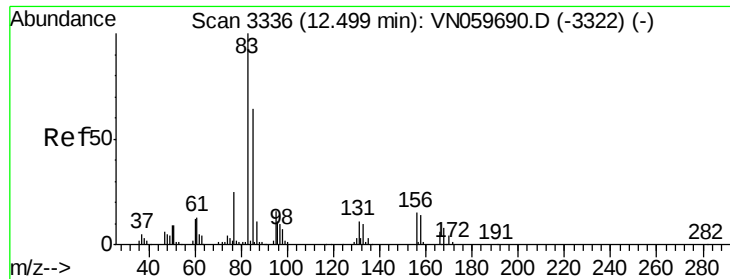
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.169 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

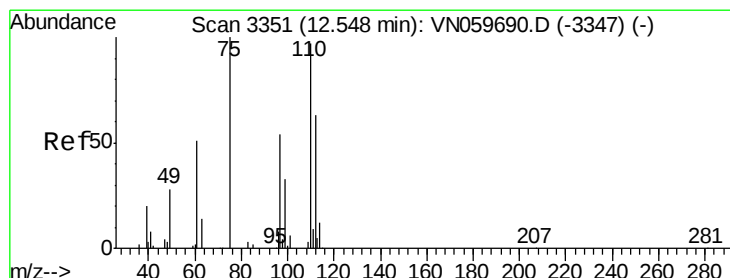
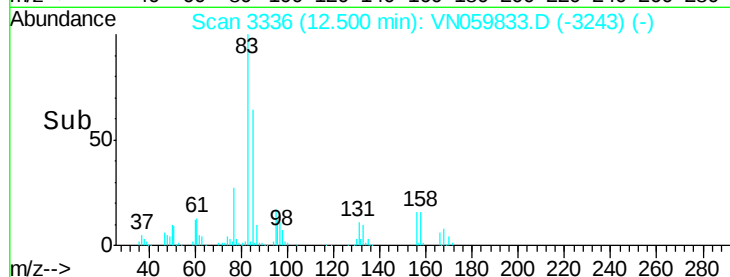
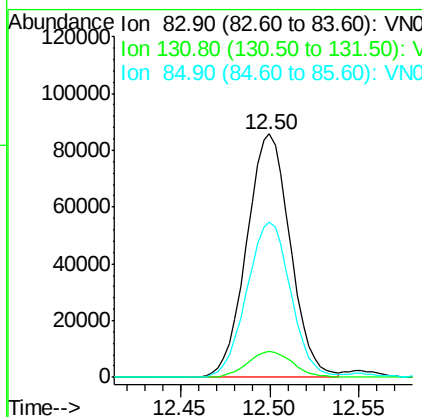
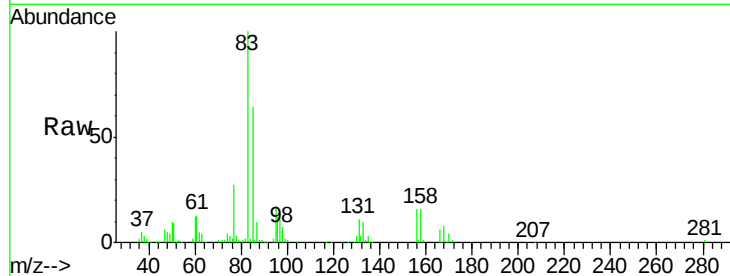
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	146466
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.0	14.9
85	64.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.305 ug/l m

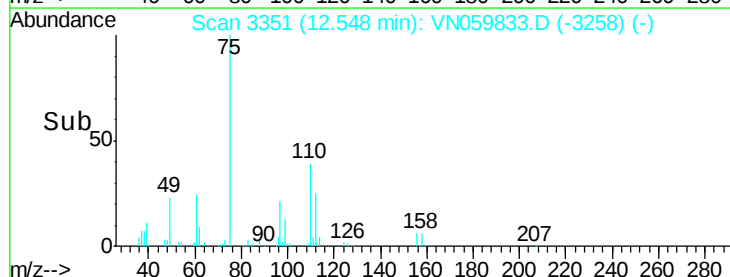
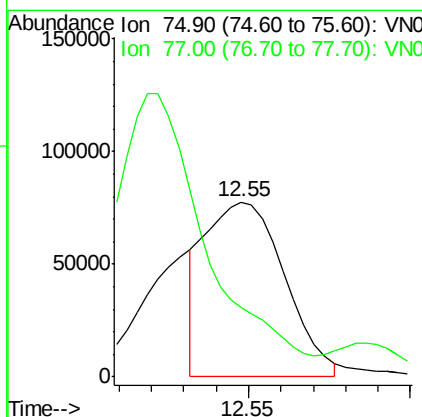
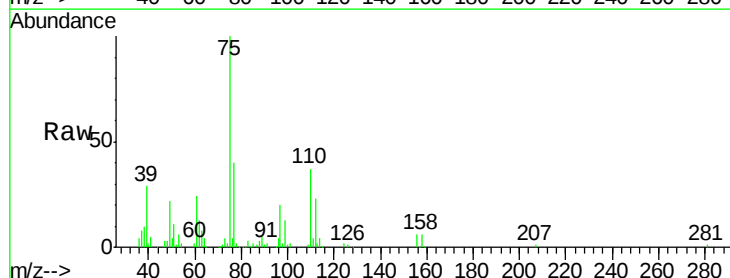
RT: 12.55 min Scan# 3351

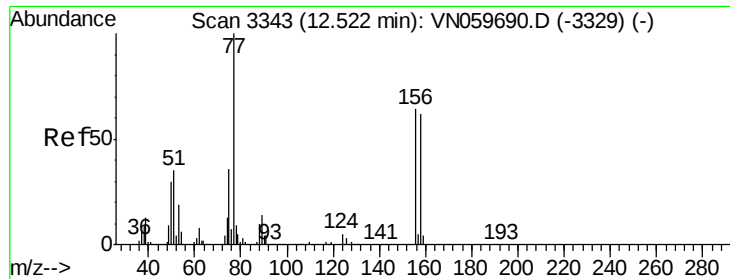
Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Tgt Ion:	75	Resp:	133108
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





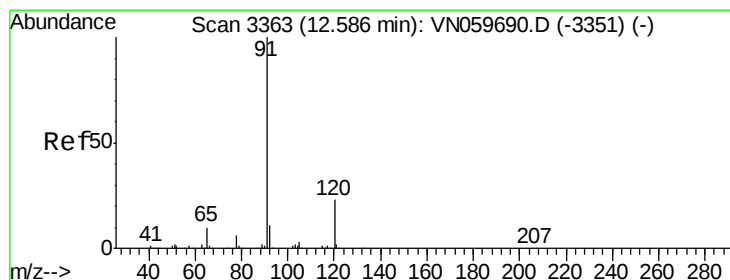
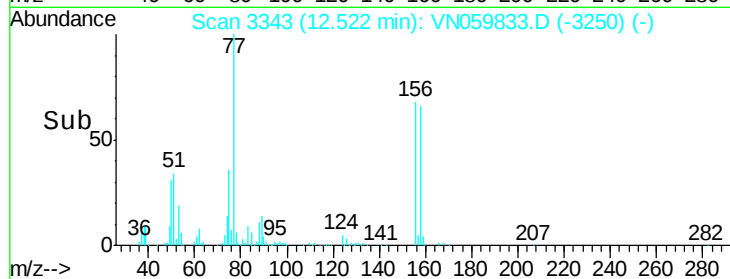
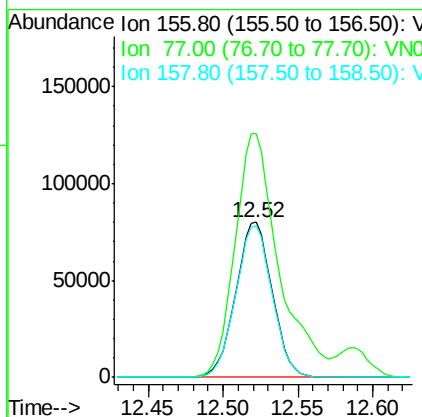
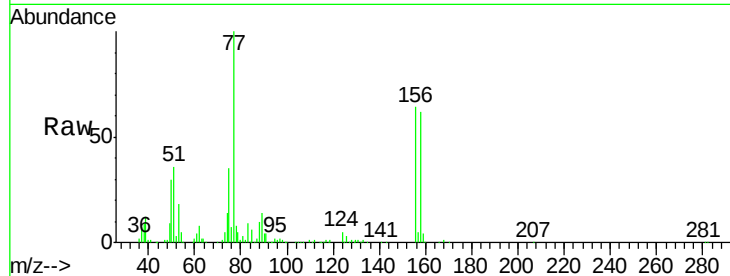
#77
Bromobenzene
Concen: 50.967 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	189.6	115.8	347.4	
158	98.0	49.2	147.6	

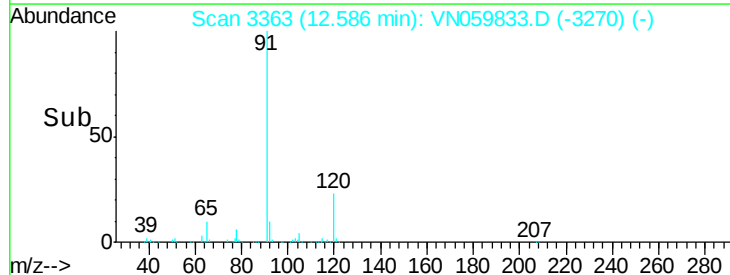
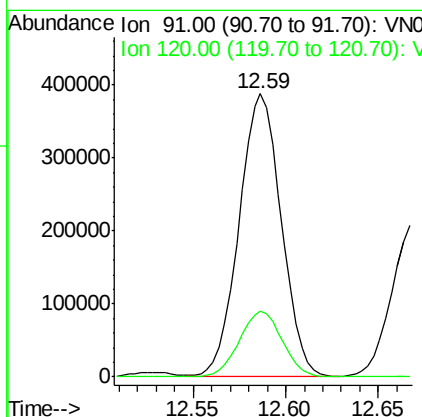
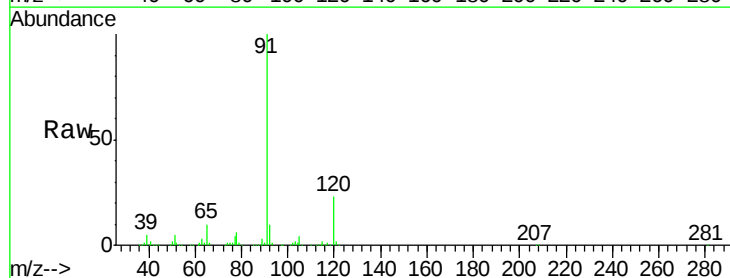
Manual Integrations
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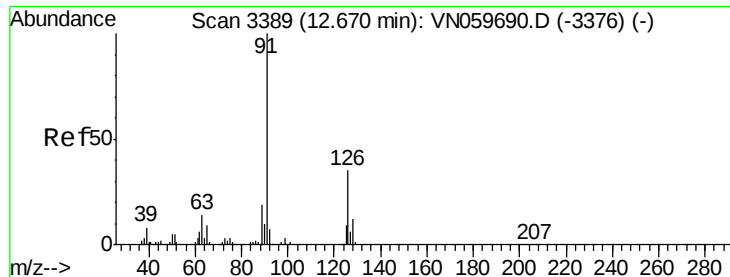
MMDadoda
1/27/2020 11:15:28 AM



#78
n-propylbenzene
Concen: 51.603 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	11.1	33.3	





#79

2-Chlorotoluene

Concen: 50.655 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 354758

Ion Ratio Lower Upper

91 100

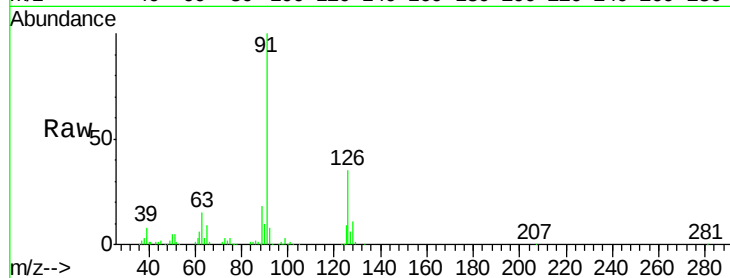
126 35.2 16.3 48.9

Manual Integrations

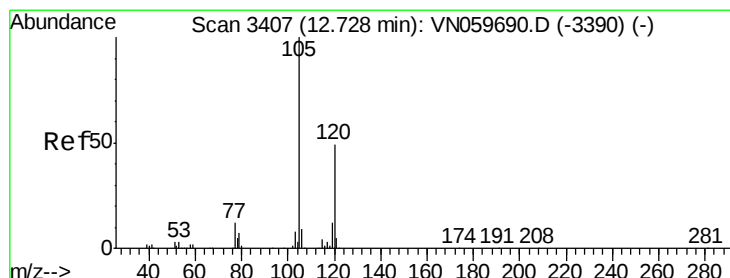
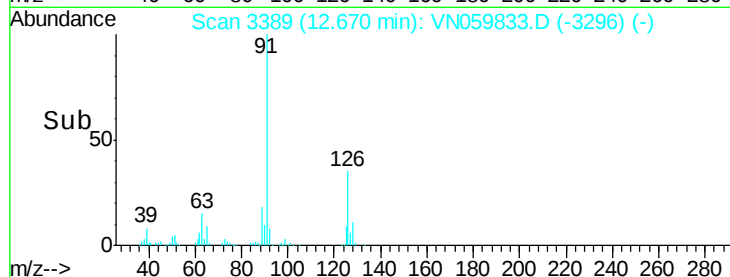
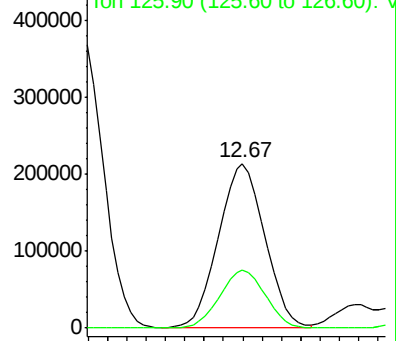
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Abundance Ion 91.00 (90.70 to 91.70): VN059833.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.337 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059833.D

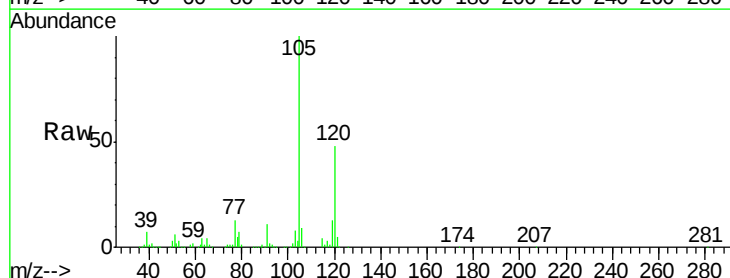
Acq: 24 Jan 2020 9:44

Tgt Ion: 105 Resp: 452842

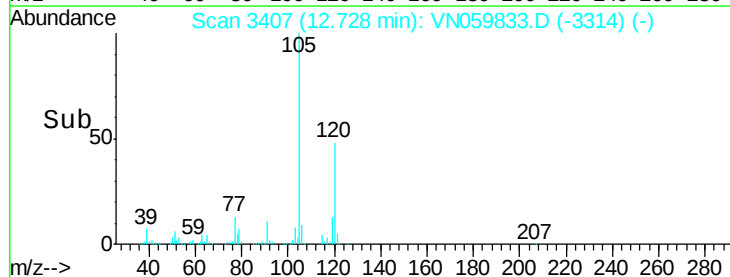
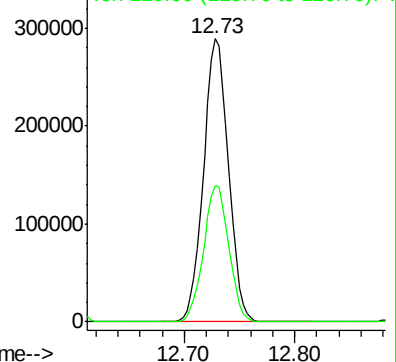
Ion Ratio Lower Upper

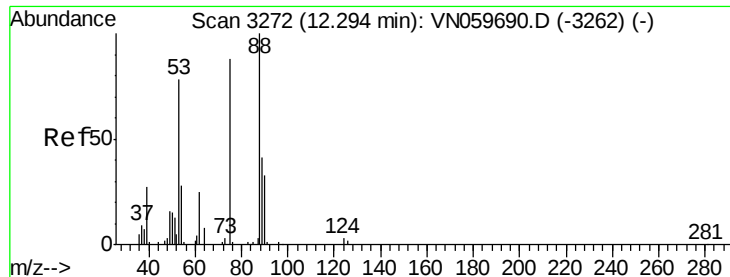
105 100

120 48.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059833.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.030 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

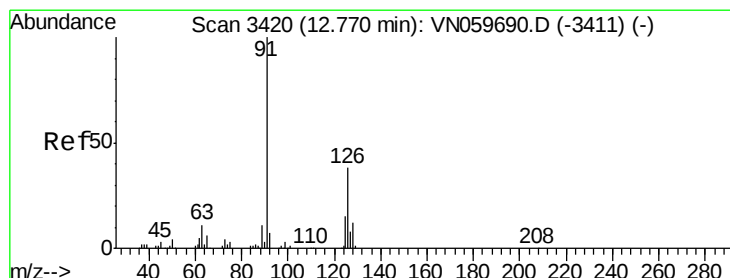
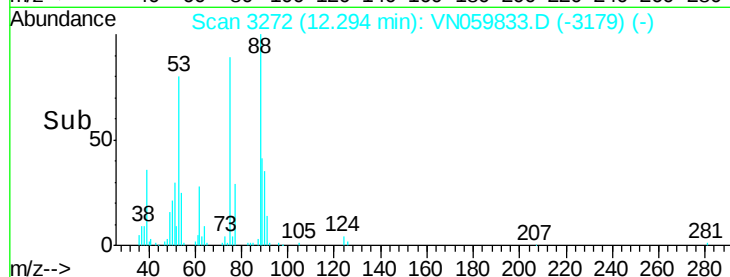
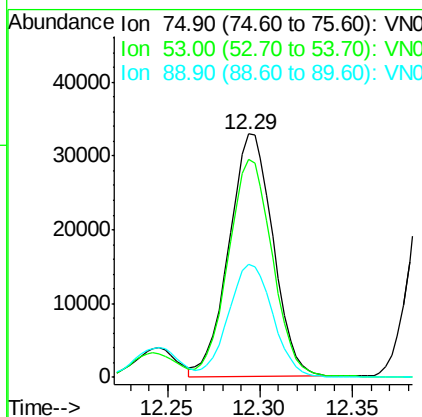
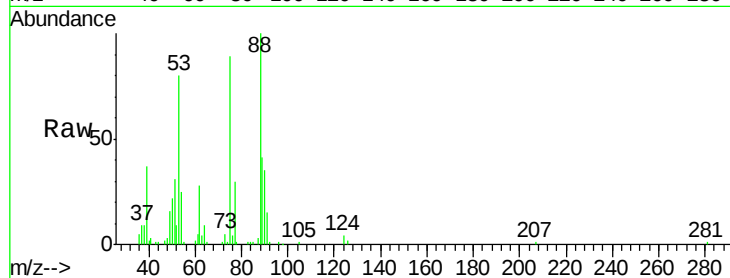
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	53830
Ion Ratio	Lower	Upper	
75	100		
53	91.0	78.1	117.1
89	47.5	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.870 ug/l

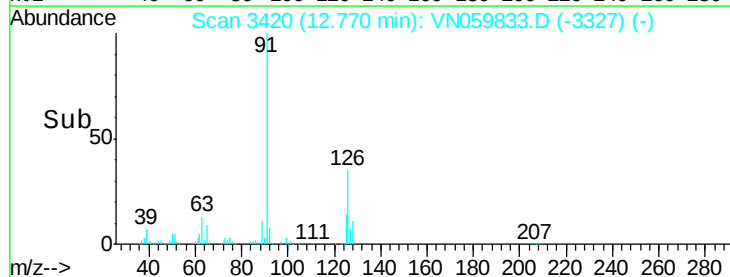
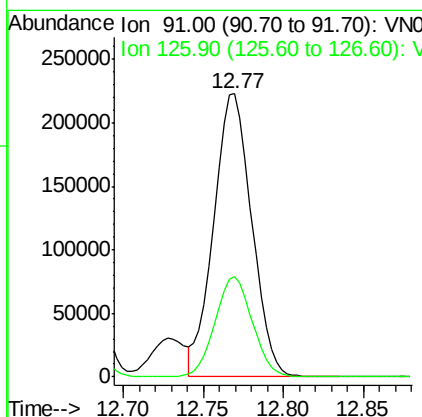
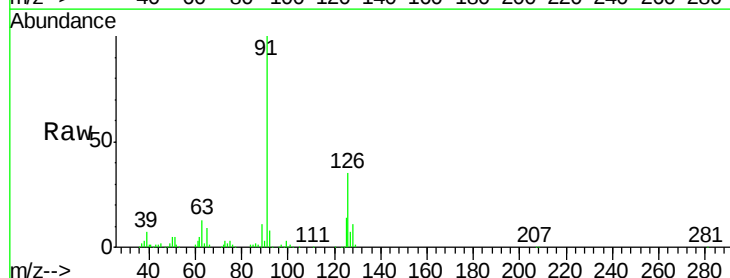
RT: 12.77 min Scan# 3420

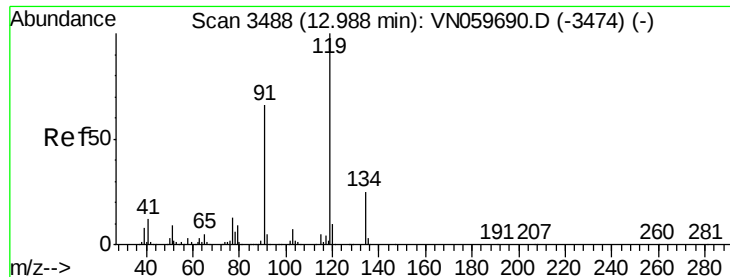
Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Tgt Ion:	91	Resp:	364367
Ion Ratio	Lower	Upper	
91	100		
126	34.8	16.3	48.8





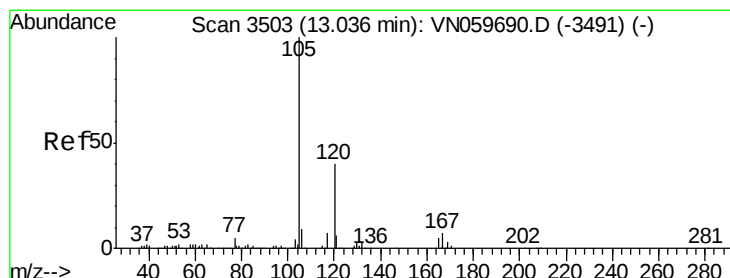
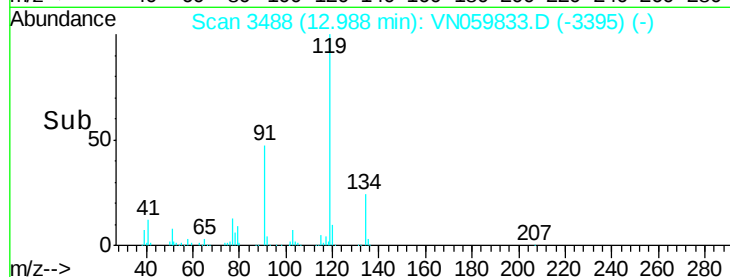
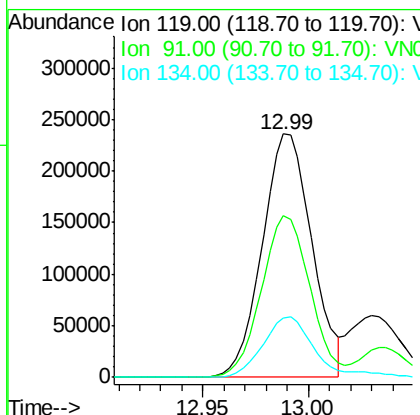
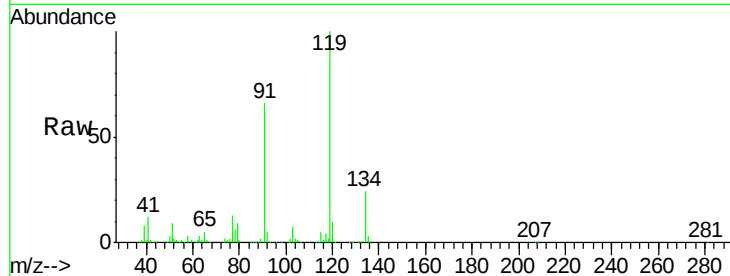
#83
tert-Butylbenzene
Concen: 50.717 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	34.8	104.4
134	26.1	12.3	36.9

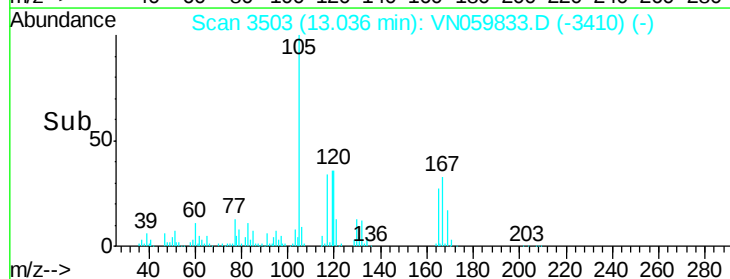
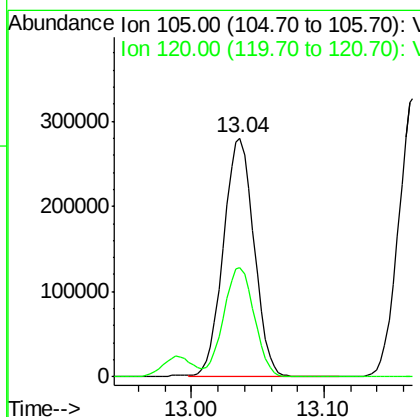
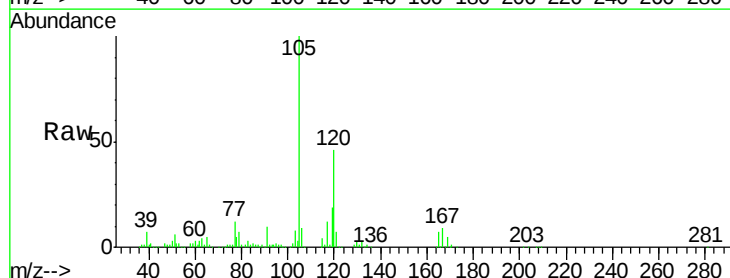
Manual Integrations
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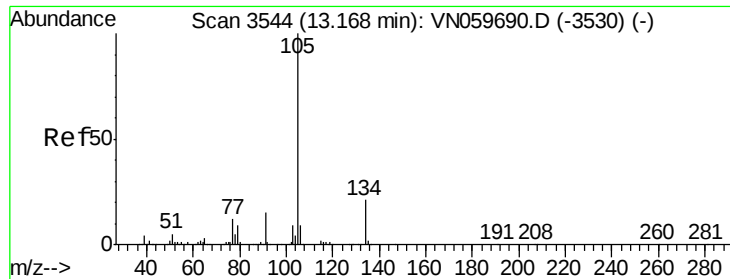
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.639 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.9





#85

sec-Butylbenzene

Concen: 52.014 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 521355

Ion Ratio Lower Upper

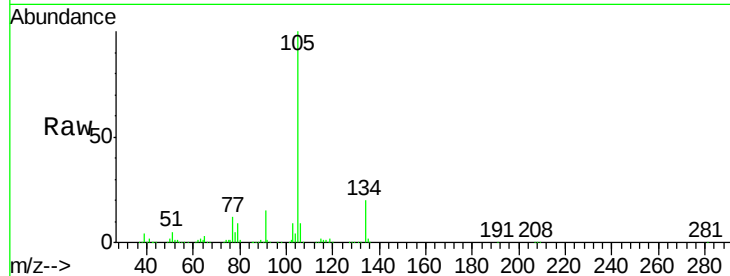
105 100

134 20.2 9.8 29.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

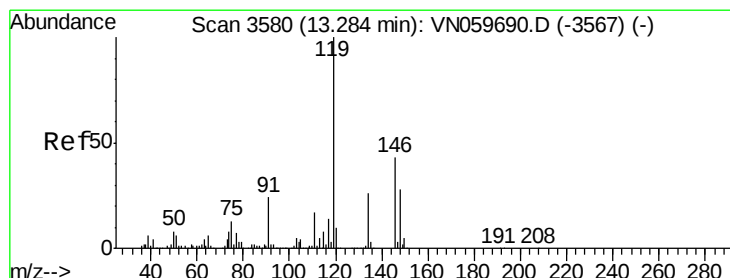
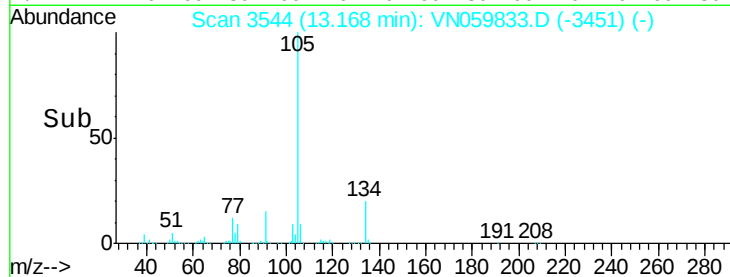
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.721 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

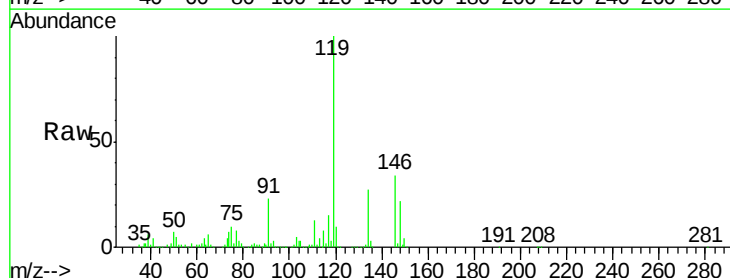
Tgt Ion:119 Resp: 479697

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.7

91 23.6 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

400000

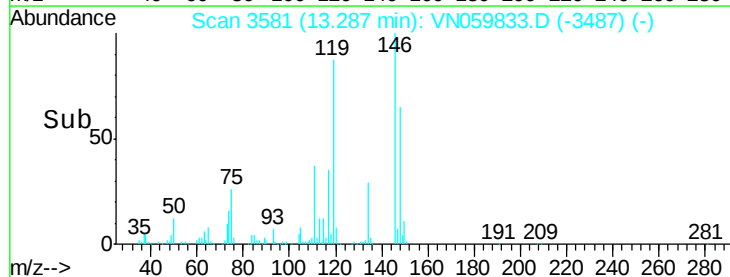
300000

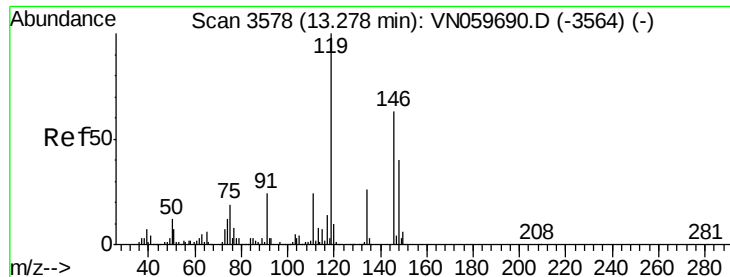
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 53.196 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059833.D

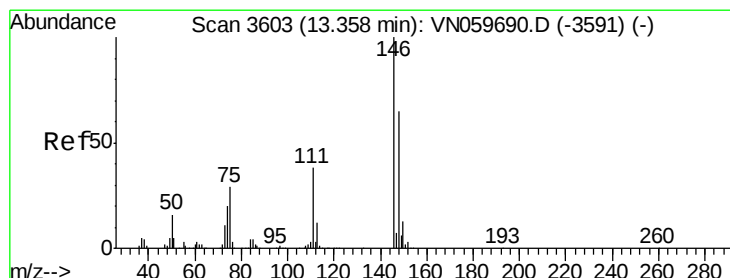
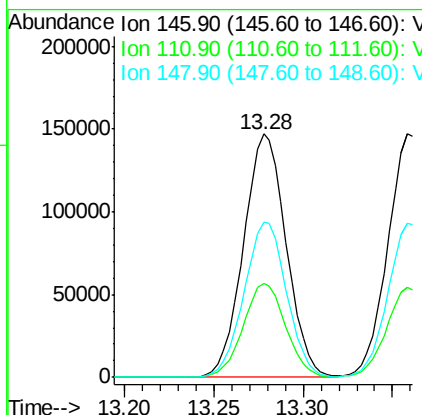
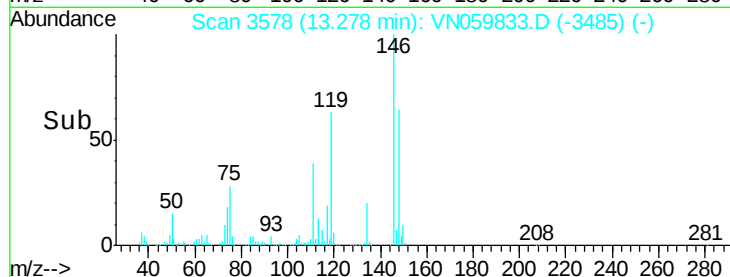
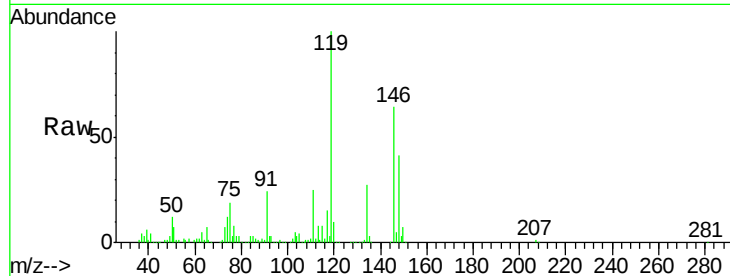
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.8	62.2
148	63.6	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.604 ug/l

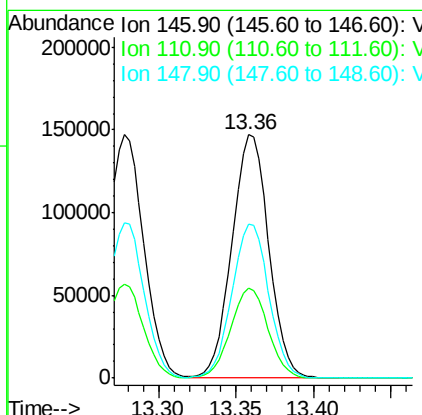
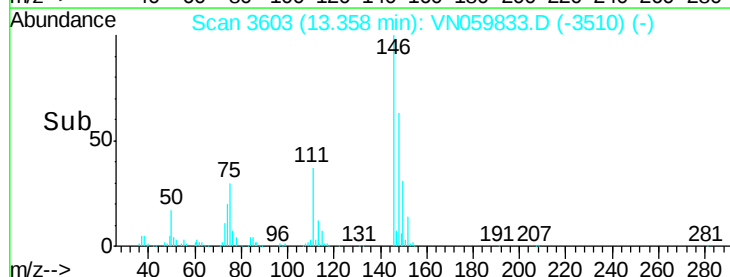
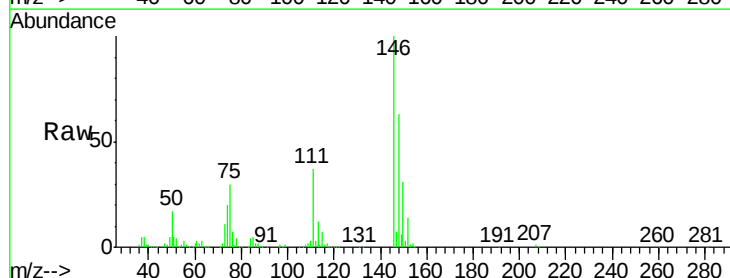
RT: 13.36 min Scan# 3603

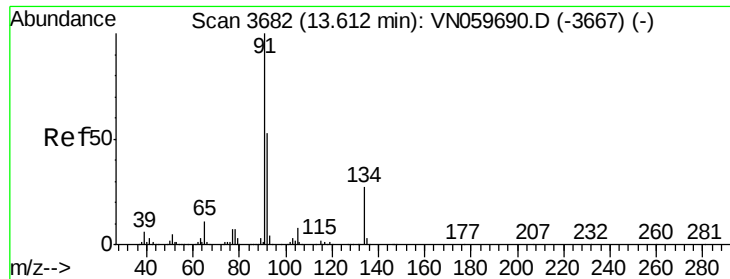
Delta R.T. 0.00 min

Lab File: VN059833.D

Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.8	62.2
148	63.8	31.8	95.4





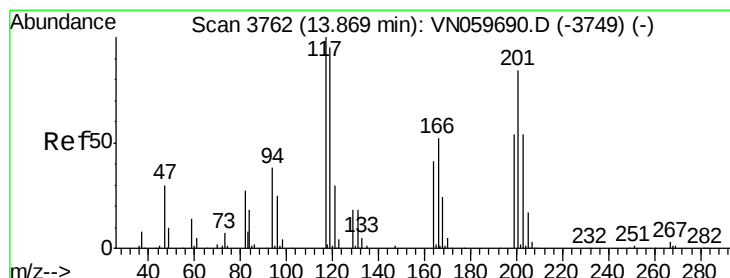
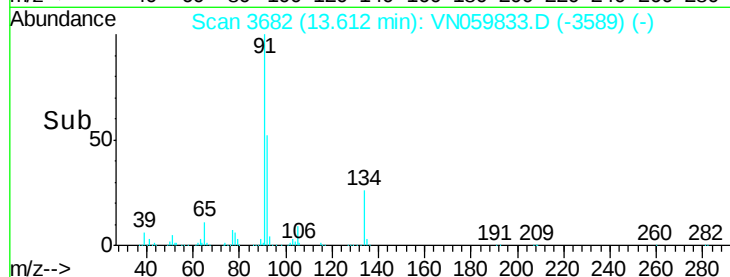
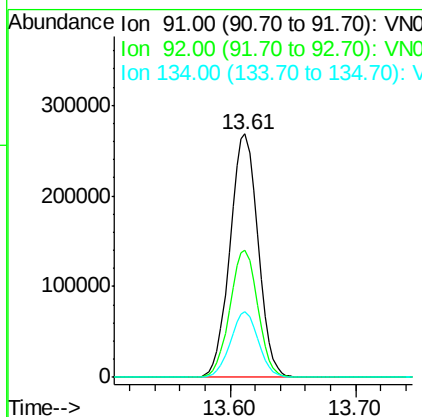
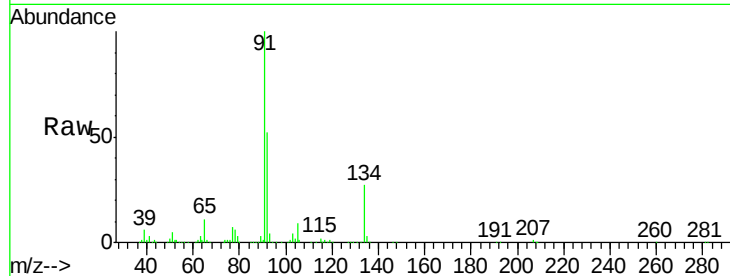
#89
n-Butylbenzene
Concen: 52.684 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.7
134	26.7	12.3	36.8

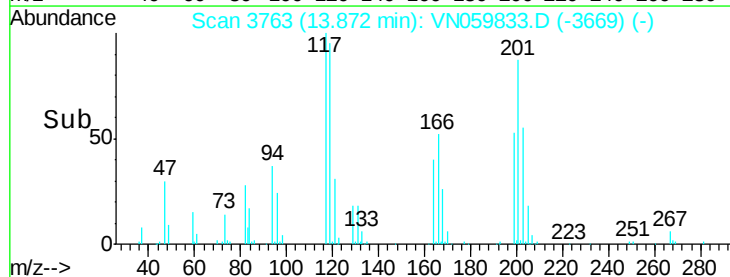
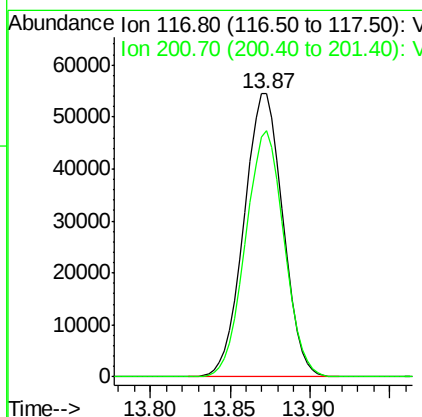
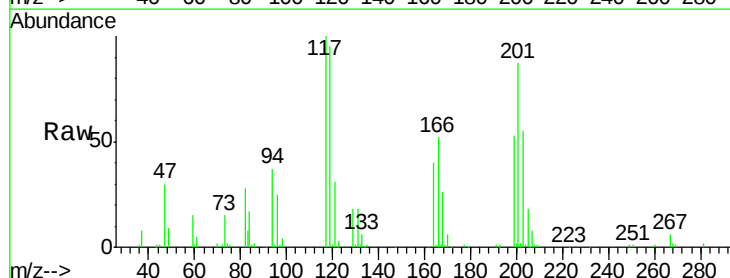
Manual Integrations
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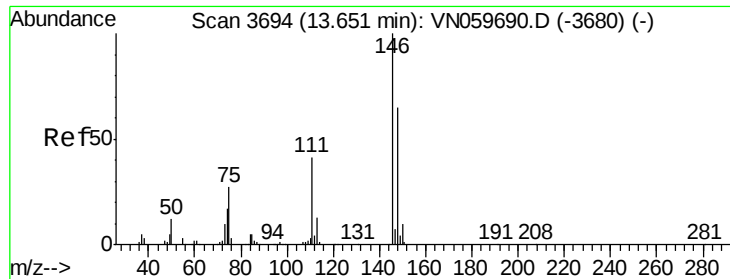
MMDadoda
1/27/2020 11:15:28 AM



#90
Hexachloroethane
Concen: 52.114 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	37.8	113.4





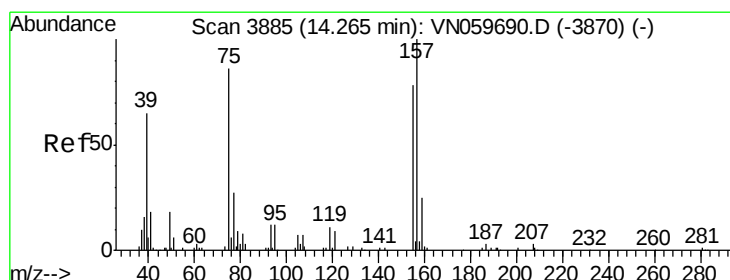
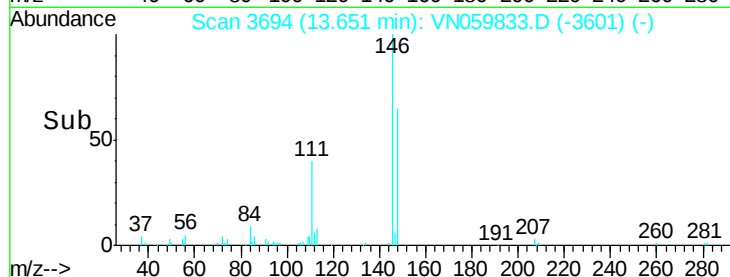
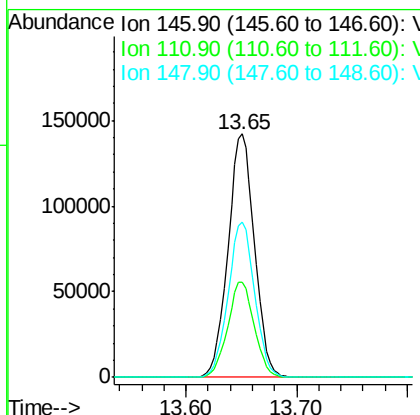
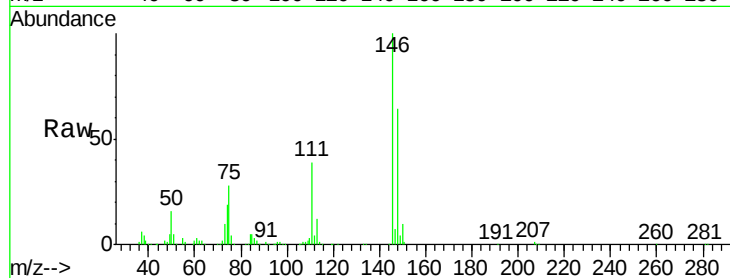
#91
 1,2-Dichlorobenzene
 Concen: 51.713 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.6	64.8
148	64.0	31.6	95.0

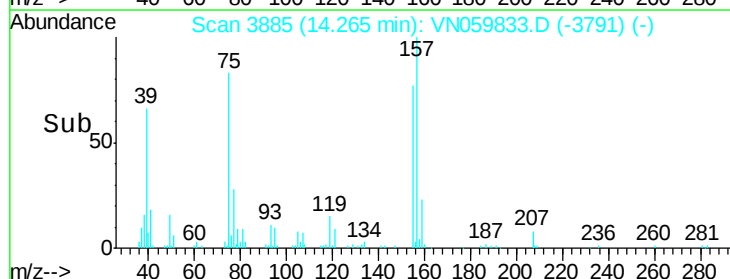
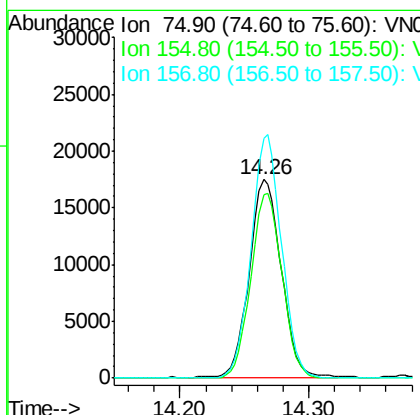
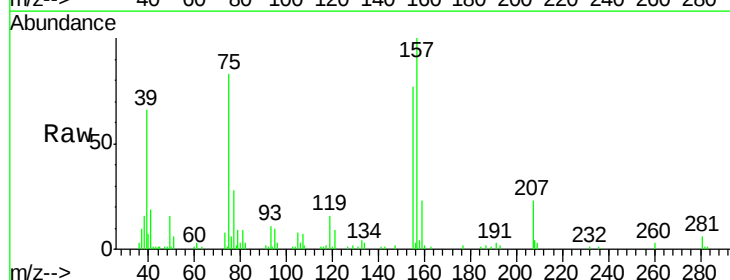
Manual Integrations
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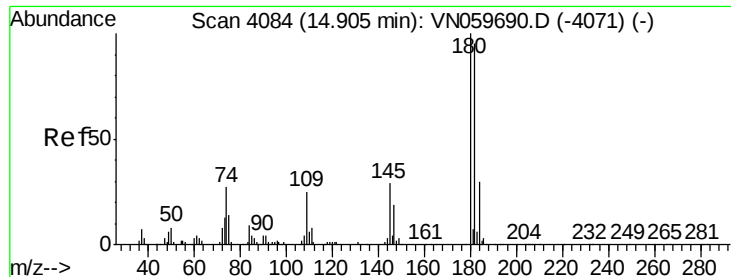
MMDadoda
 1/27/2020 11:15:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.880 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059833.D
 Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	37.0	110.9
157	114.8	48.4	145.2





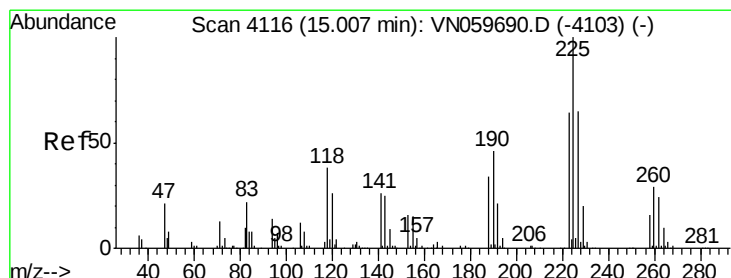
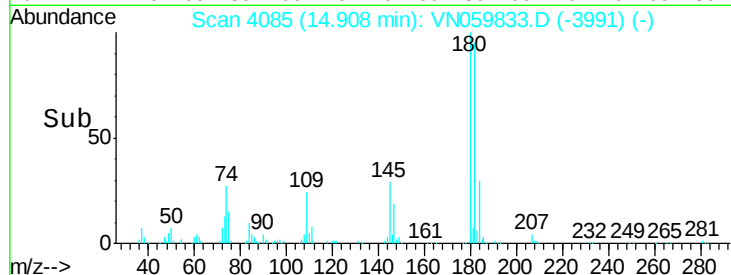
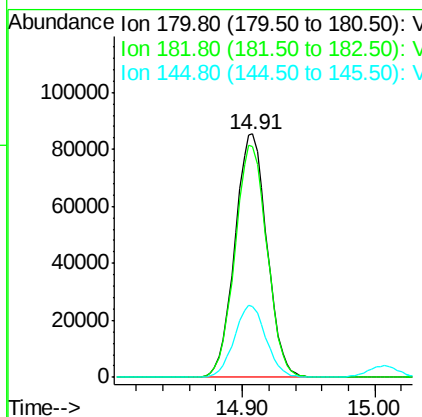
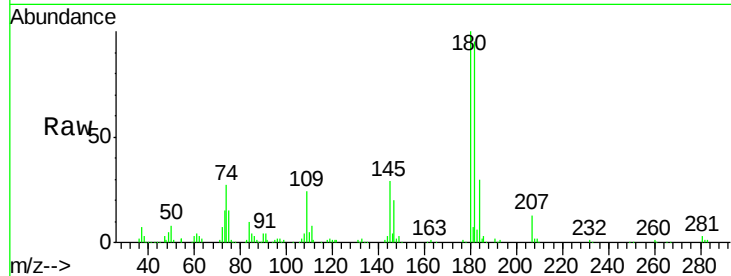
#93
1,2,4-Trichlorobenzene
Concen: 52.295 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	143330		
182	95.2	46.9	140.7	
145	29.4	15.0	45.1	

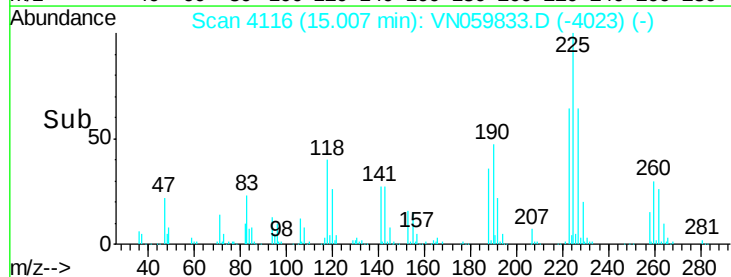
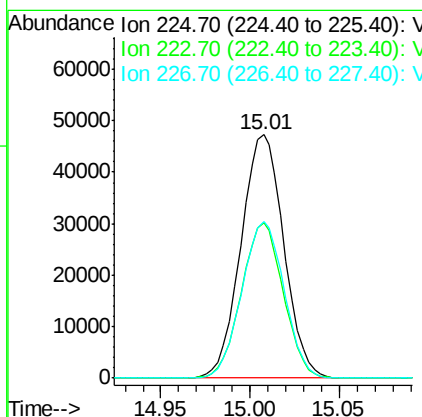
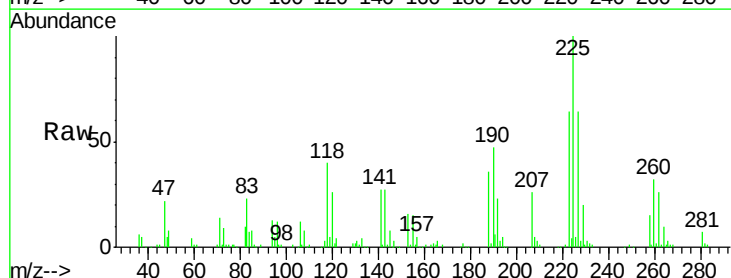
Manual Integrations
APPROVED

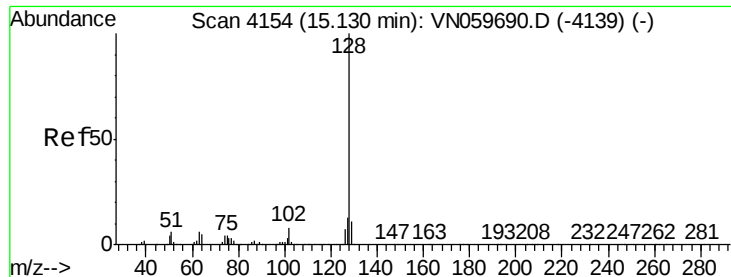
MMDadoda
1/27/2020 11:15:28 AM



#94
Hexachlorobutadiene
Concen: 52.503 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79298		
223	62.5	31.8	95.3	
227	63.9	32.1	96.5	





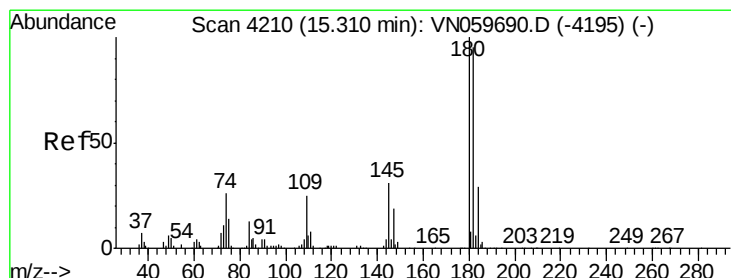
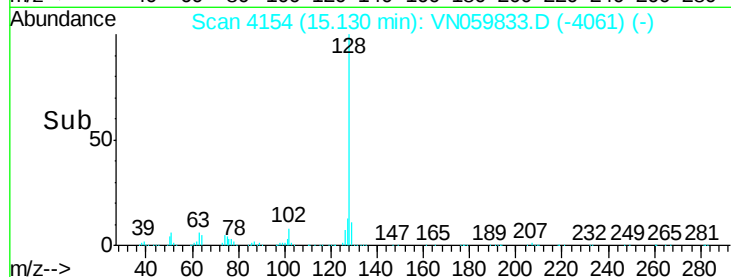
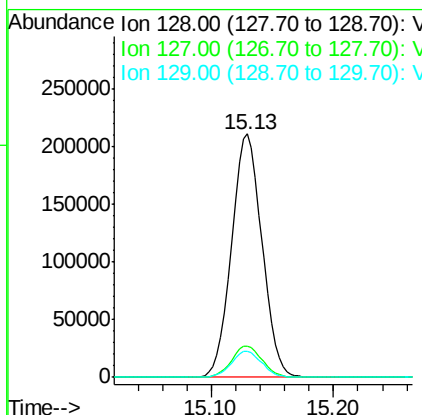
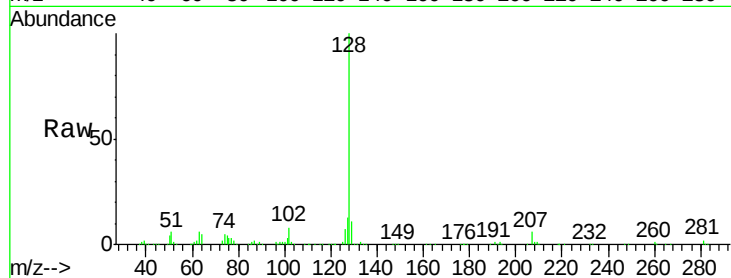
#95
Naphthalene
Concen: 46.874 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 50.218 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059833.D
Acq: 24 Jan 2020 9:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.3
145	31.9	16.3	48.9

