

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012220\
 Data File : VN059821.D
 Acq On : 22 Jan 2020 9:46
 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
 1/24/2020 10:14:31 AM

Quant Time: Jan 22 17:35:24 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	211424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	321904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143863	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	118915	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.56	113	100235	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.08	98	380153	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	137932	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	114117	45.736	ug/l	98
3) Chloromethane	2.04	50	105231	43.474	ug/l	99
4) Vinyl Chloride	2.17	62	133912	48.352	ug/l	98
5) Bromomethane	2.53	94	81458	48.196	ug/l	100
6) Chloroethane	2.68	64	62264	47.520	ug/l	99
7) Trichlorofluoromethane	3.00	101	160114	48.140	ug/l	99
8) Diethyl Ether	3.38	74	56263	48.202	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93498	50.508	ug/l	92
10) Methyl Iodide	3.93	142	139974	46.780	ug/l	95
11) Tert butyl alcohol	4.72	59	87159	220.511	ug/l	98
12) 1,1-Dichloroethene	3.71	96	89618	46.331	ug/l	88
13) Acrolein	3.57	56	61144	218.531	ug/l	98
14) Allyl chloride	4.29	41	120885	46.366	ug/l #	86
15) Acrylonitrile	4.94	53	212125	235.271	ug/l	100
16) Acetone	3.78	43	261282	329.455	ug/l	95
17) Carbon Disulfide	4.03	76	237444	43.092	ug/l	100
18) Methyl Acetate	4.29	43	128360	46.804	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	303446	48.115	ug/l	96
20) Methylene Chloride	4.52	84	100035	47.015	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	96642	47.002	ug/l	87
22) Diisopropyl ether	5.91	45	280689	47.506	ug/l	97
23) Vinyl Acetate	5.86	43	1085511	237.293	ug/l #	93
24) 1,1-Dichloroethane	5.81	63	170828	47.318	ug/l	98
25) 2-Butanone	6.80	43	332863	250.346	ug/l	92
26) 2,2-Dichloropropane	6.79	77	165512	47.687	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	114292	48.328	ug/l	88
28) Bromochloromethane	7.17	49	69723	48.320	ug/l #	73
29) Tetrahydrofuran	7.18	42	181975	221.204	ug/l #	87
30) Chloroform	7.35	83	182147	48.694	ug/l	100
31) Cyclohexane	7.63	56	147547	42.473	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	167474	48.423	ug/l	96
36) 1,1-Dichloropropene	7.77	75	134600	48.016	ug/l	95
37) Ethyl Acetate	6.89	43	118044	44.897	ug/l #	95
38) Carbon Tetrachloride	7.75	117	150765	49.442	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	164797	47.678	ug/l	90
40) Benzene	8.02	78	397537	47.550	ug/l	100
41) Methacrylonitrile	7.15	41	57602m	44.479	ug/l	
42) 1,2-Dichloroethane	8.10	62	139046	49.053	ug/l	96
43) Isopropyl Acetate	8.14	43	207447	45.872	ug/l #	94
44) Trichloroethene	8.82	130	116330	50.971	ug/l	96
45) 1,2-Dichloropropane	9.10	63	100226	48.447	ug/l	98
46) Dibromomethane	9.19	93	72330	49.564	ug/l	91
47) Bromodichloromethane	9.38	83	147767	50.248	ug/l	99
48) Methyl methacrylate	9.18	41	90848	44.911	ug/l	87
49) 1,4-Dioxane	9.18	88	37088	1001.543	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	602251	230.374	ug/l	94
52) Toluene	10.14	92	260263	49.285	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	166917	50.833	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	174012	50.366	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	102483	49.000	ug/l	96
56) Ethyl methacrylate	10.42	69	153649	48.078	ug/l	90
57) 1,3-Dichloropropane	10.70	76	167595	50.473	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	242811	252.248	ug/l	92
59) 2-Hexanone	10.74	43	483767	251.188	ug/l	93
60) Dibromochloromethane	10.89	129	122833	51.573	ug/l	99
61) 1,2-Dibromoethane	10.99	107	109376	49.895	ug/l	99
64) Tetrachloroethene	10.62	164	116181	48.423	ug/l	96
65) Chlorobenzene	11.43	112	285732	49.380	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	111363	49.808	ug/l	99
67) Ethyl Benzene	11.50	91	510048	48.557	ug/l	96
68) m/p-Xylenes	11.62	106	391458	98.658	ug/l	93
69) o-Xylene	11.94	106	188743	48.588	ug/l	94
70) Styrene	11.96	104	316480	48.688	ug/l	97
71) Bromoform	12.12	173	92898	51.871	ug/l #	99
73) Isopropylbenzene	12.24	105	511384	48.469	ug/l	99
74) N-amyl acetate	12.06	43	181562	44.348	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	142750	46.670	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	126623m	52.300	ug/l	
77) Bromobenzene	12.52	156	129637	48.519	ug/l	81
78) n-propylbenzene	12.59	91	576521	48.683	ug/l	97
79) 2-Chlorotoluene	12.67	91	333337	47.316	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	430502	48.517	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54485	48.329	ug/l	92
82) 4-Chlorotoluene	12.77	91	346214	48.996	ug/l	95
83) tert-Butylbenzene	12.99	119	369462	48.143	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	434618	49.510	ug/l	99
85) sec-Butylbenzene	13.17	105	493167	48.912	ug/l	99
86) p-Isopropyltoluene	13.28	119	456862	48.969	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	234026	50.424	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	230323	49.745	ug/l	97
89) n-Butylbenzene	13.61	91	396926	49.898	ug/l	98
90) Hexachloroethane	13.87	117	85024	48.709	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	226620	49.391	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30224	45.865	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	141341	51.265	ug/l	99
94) Hexachlorobutadiene	15.01	225	75871	49.938	ug/l	100
95) Naphthalene	15.13	128	362808	46.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	131620	49.046	ug/l	100

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

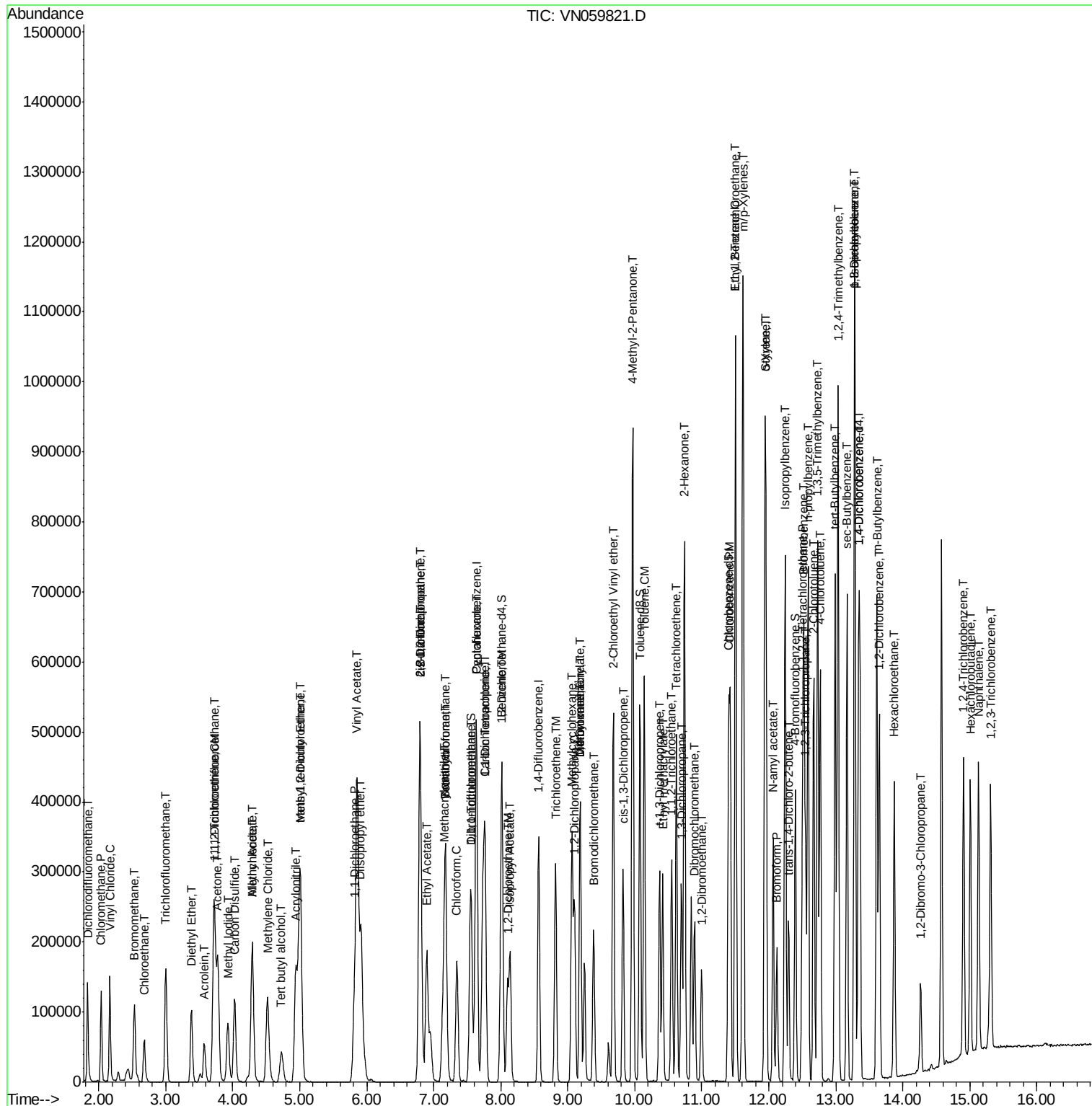
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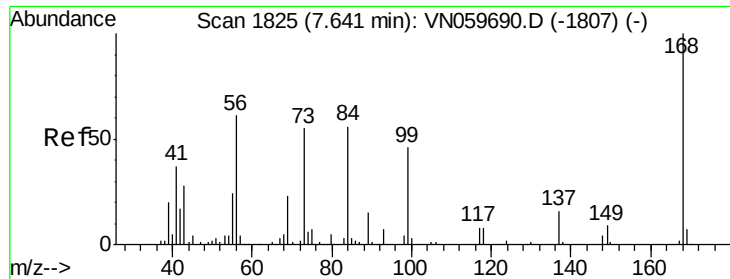
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 211424

Ion Ratio Lower Upper

168 100

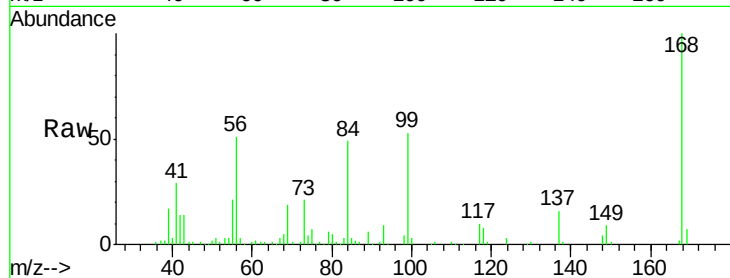
99 52.7 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

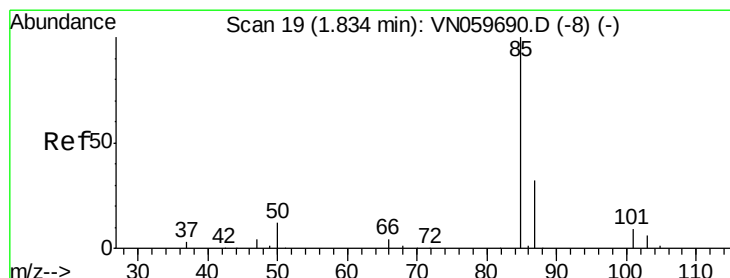
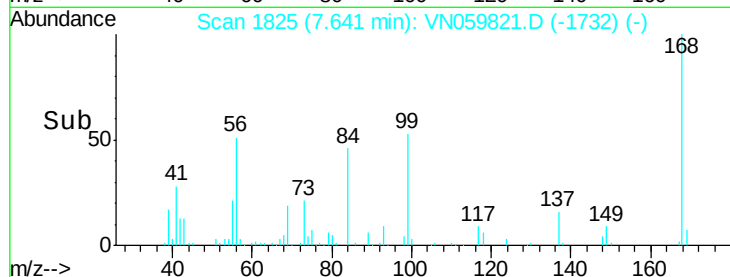
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 45.736 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059821.D

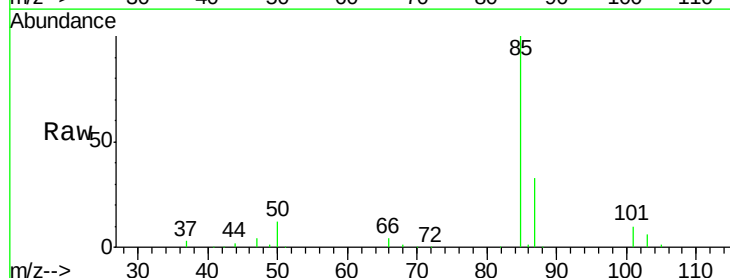
Acq: 22 Jan 2020 9:46

Tgt Ion: 85 Resp: 114117

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

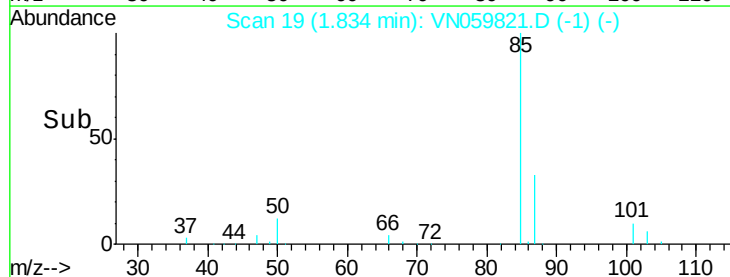
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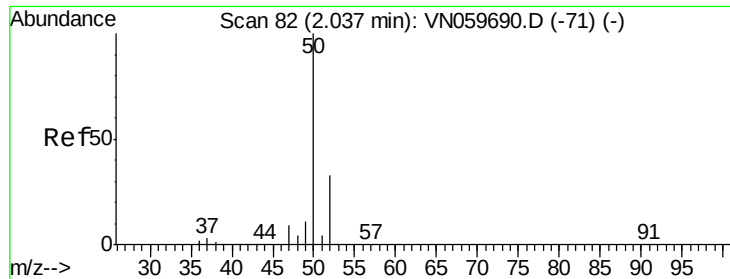
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 43.474 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105231

Ion Ratio Lower Upper

50 100

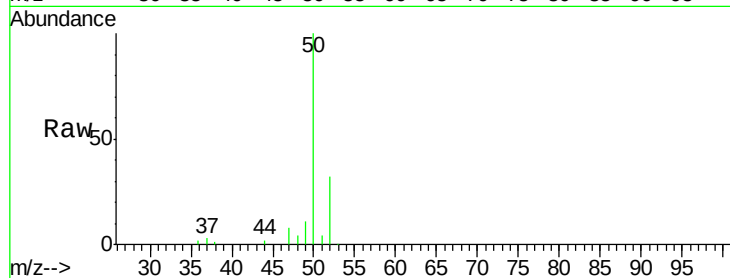
52 32.0 25.9 38.9

Manual Integrations

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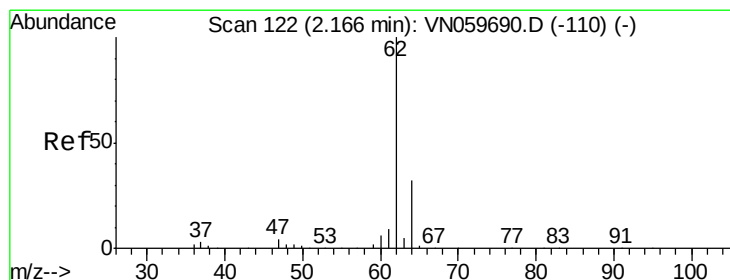
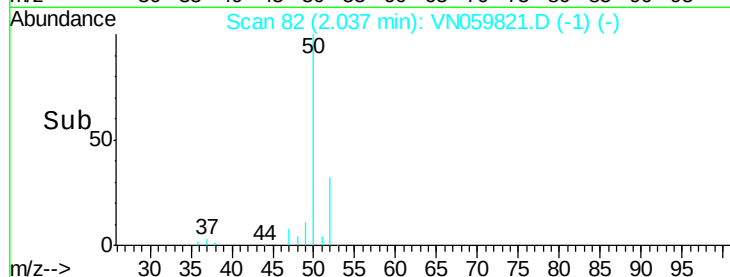
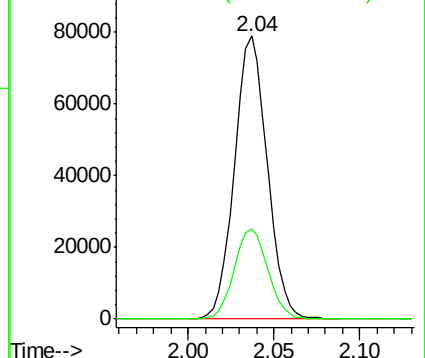
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.352 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059821.D

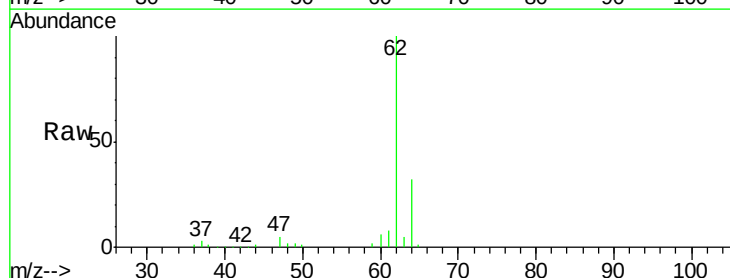
Acq: 22 Jan 2020 9:46

Tgt Ion: 62 Resp: 133912

Ion Ratio Lower Upper

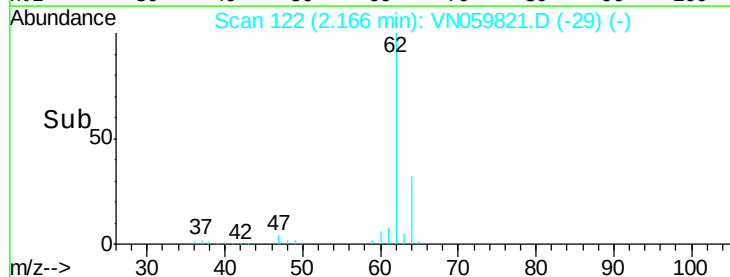
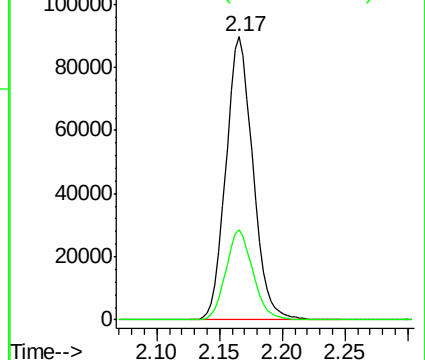
62 100

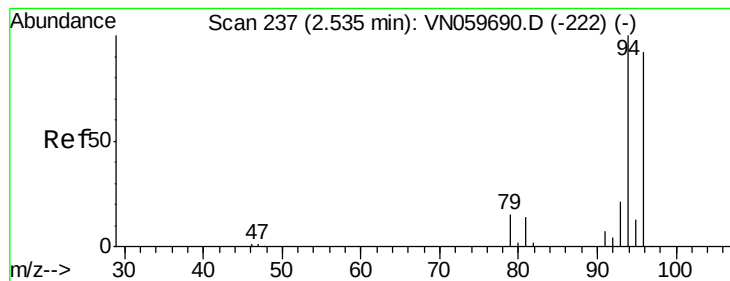
64 31.8 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 48.196 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

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Acq: 22 Jan 2020 9:46

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Tot Ion: 94 Resp: 81458

Ion Ratio Lower Upper

94 100

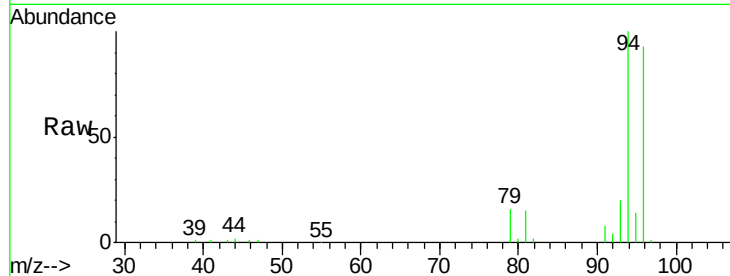
96 93.1 74.7 112.1

Manual Integrations

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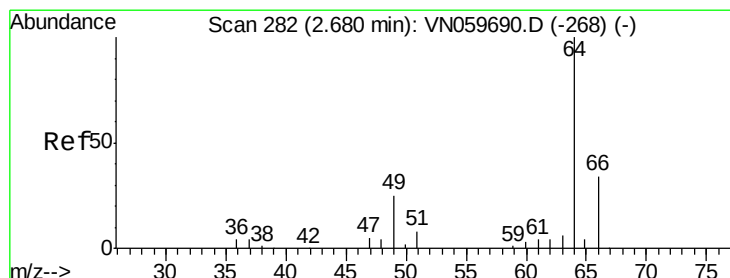
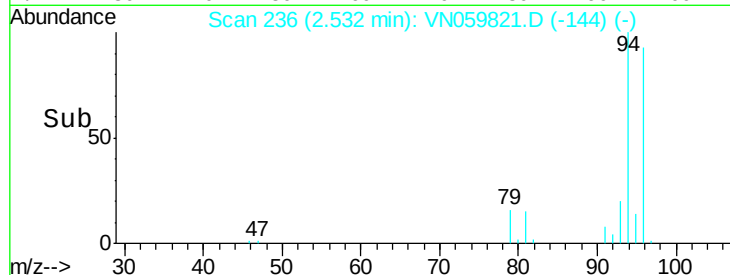
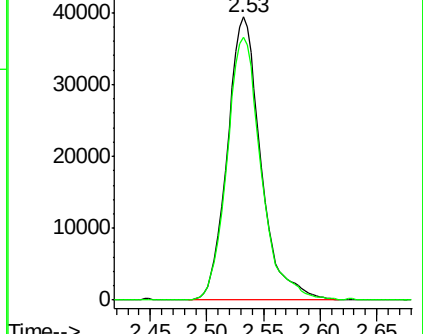
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.520 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059821.D

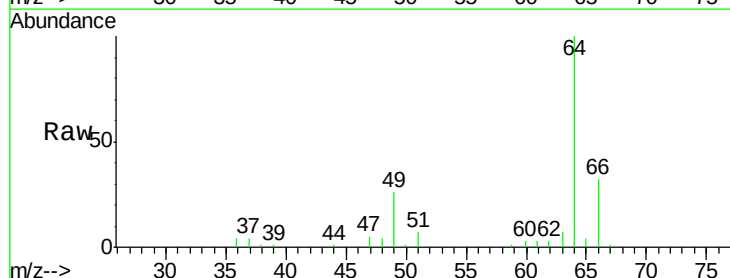
Acq: 22 Jan 2020 9:46

Tgt Ion: 64 Resp: 62264

Ion Ratio Lower Upper

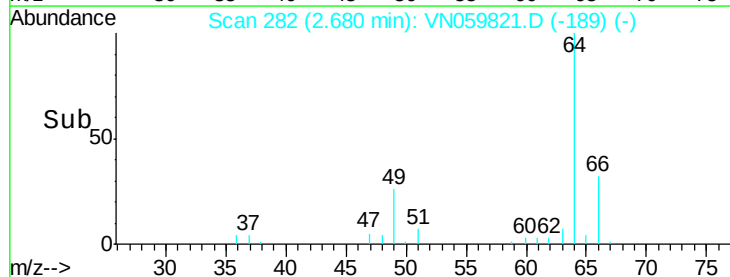
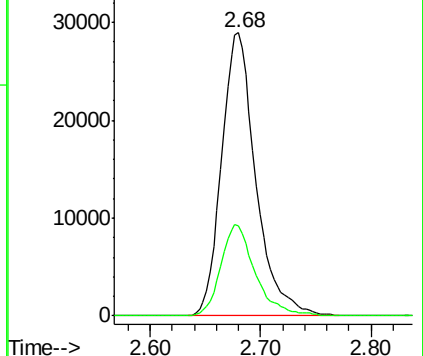
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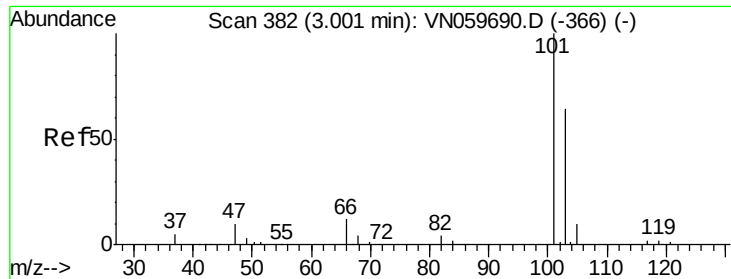
66 31.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

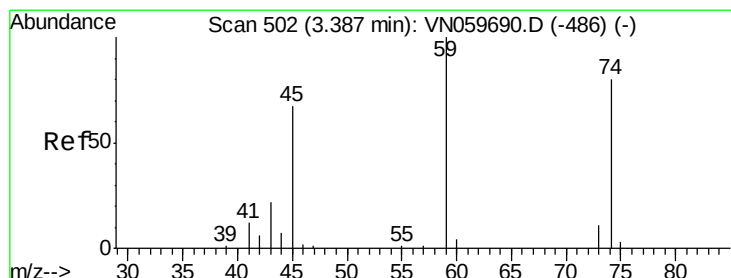
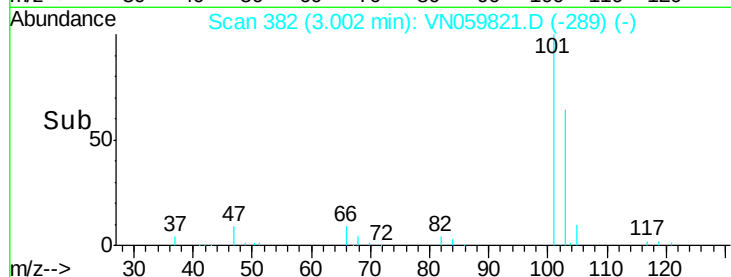
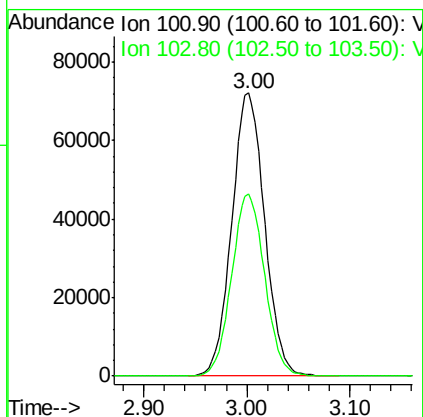
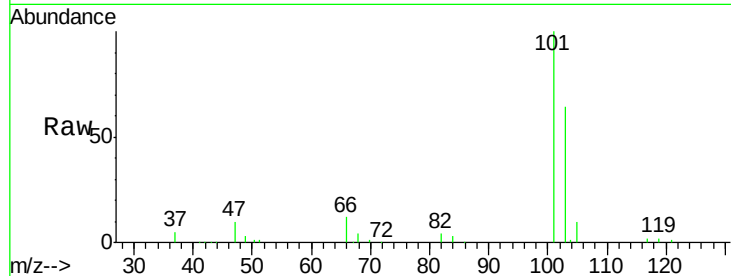
Trichlorofluoromethane
Concen: 48.140 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		160114		
103	64.2	51.0	76.6		

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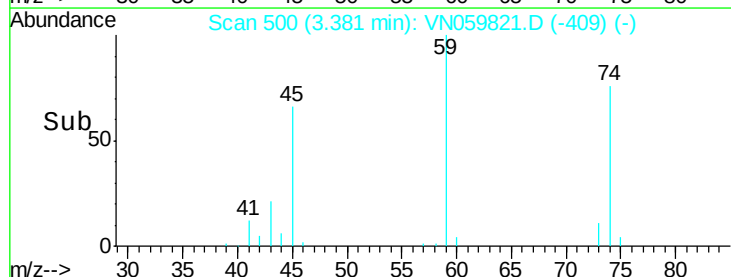
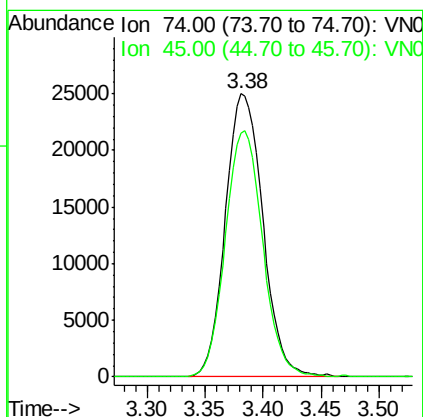
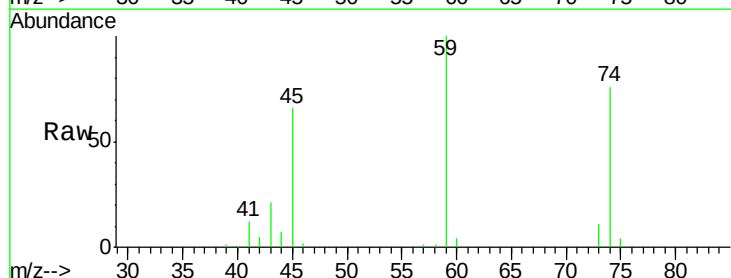
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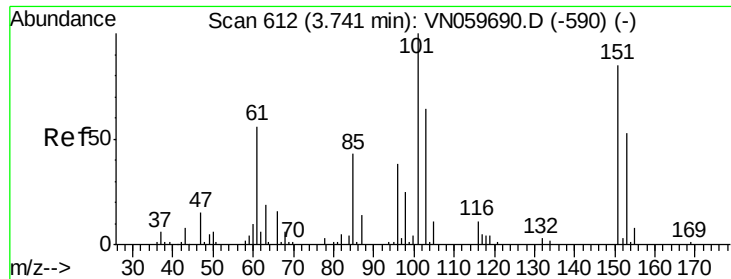


#8

Diethyl Ether
Concen: 48.202 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		56263		
45	86.6	51.9	155.8		





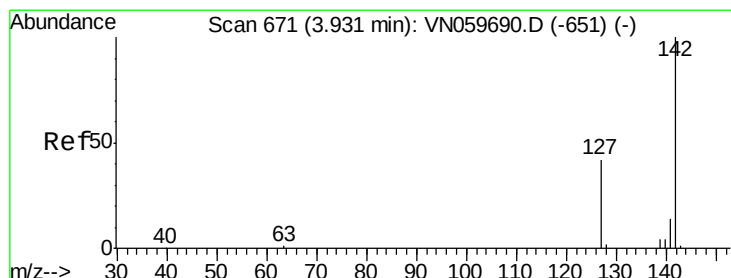
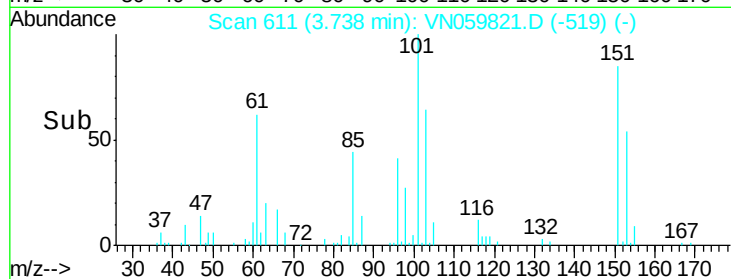
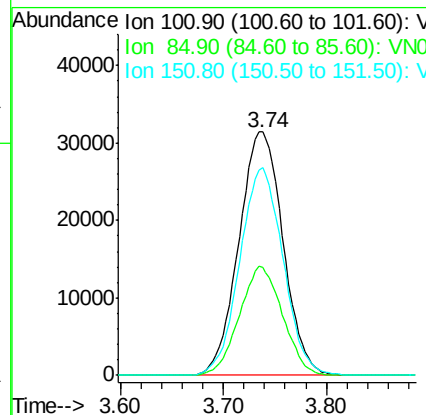
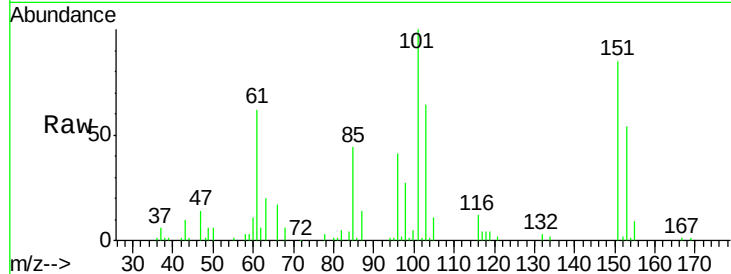
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.508 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.6	36.6	54.8
151	83.8	59.7	89.5

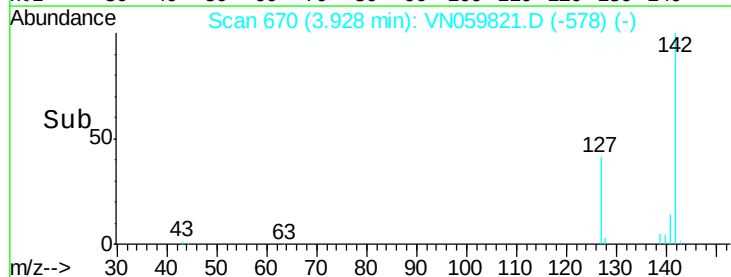
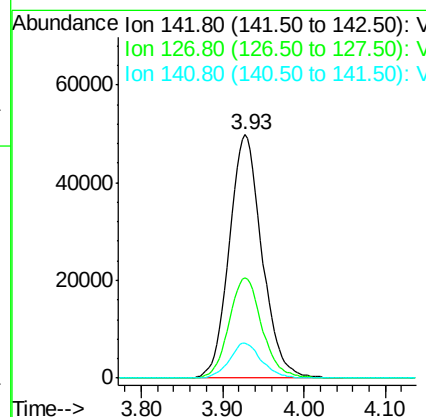
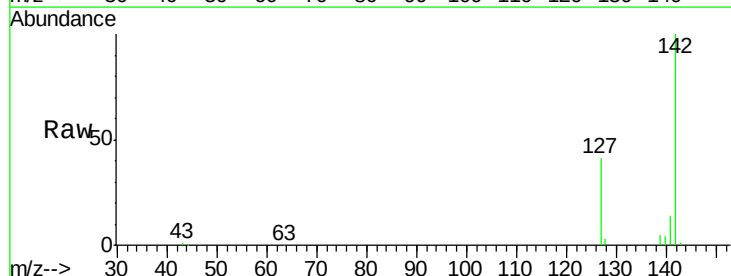
Manual Integrations
APPROVED

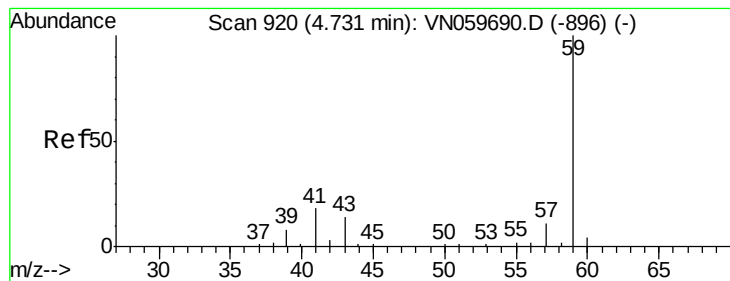
MMDadoda
1/24/2020 10:14:31 AM



#10
Methyl Iodide
Concen: 46.780 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.5	36.7	55.1
141	14.0	11.7	17.5





#11

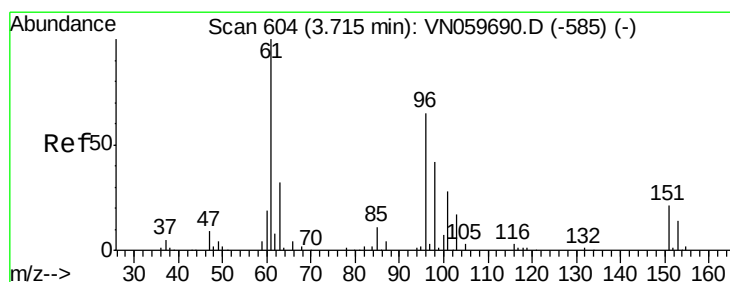
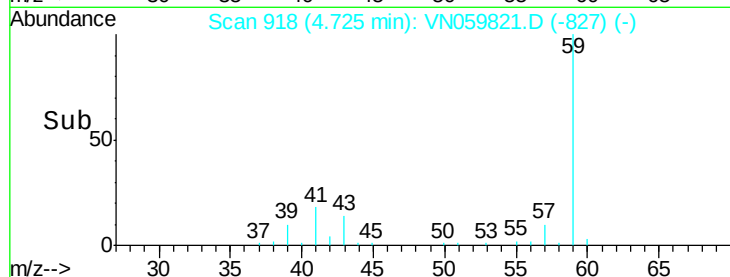
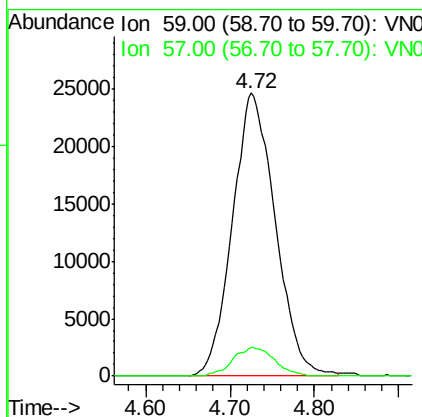
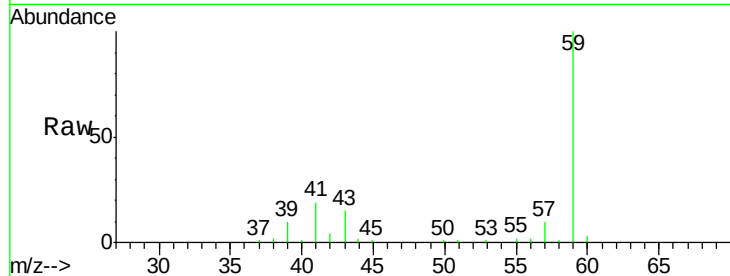
Tert butyl alcohol
 Concen: 220.511 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.6	12.8

Manual Integrations
 APPROVED

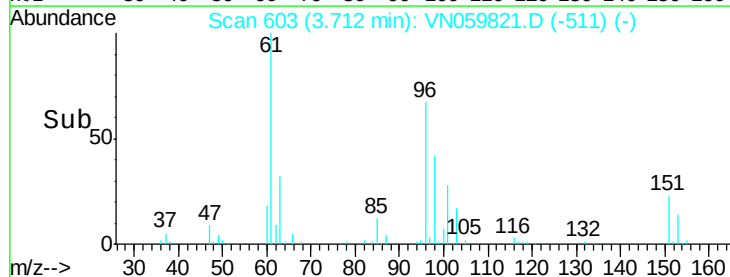
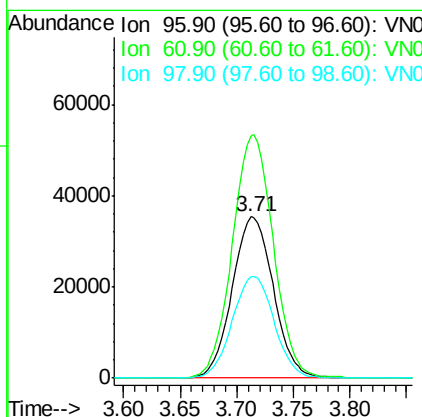
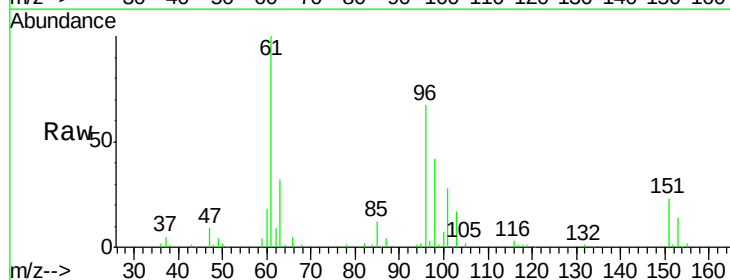
MMDadoda
 1/24/2020 10:14:31 AM

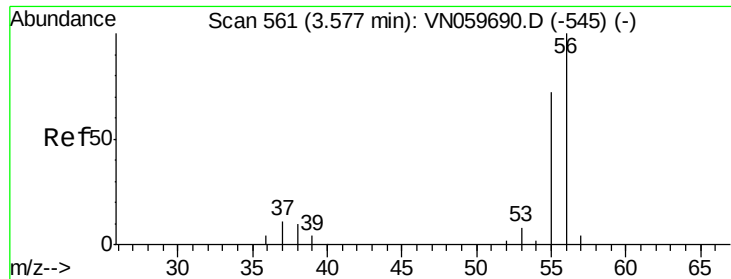


#12

1,1-Dichloroethene
 Concen: 46.331 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.8	137.5	206.3
98	62.7	50.2	75.4





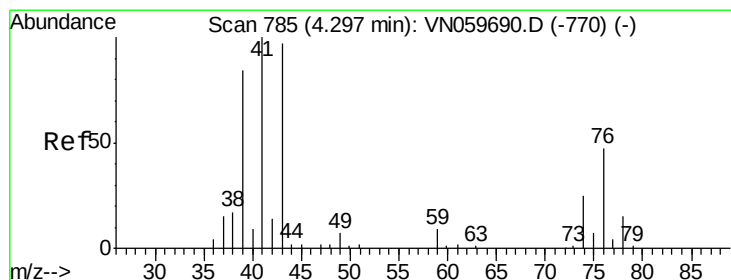
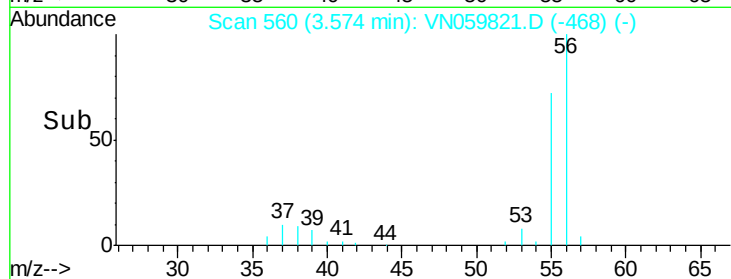
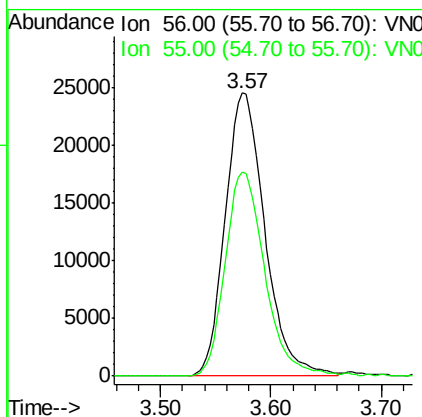
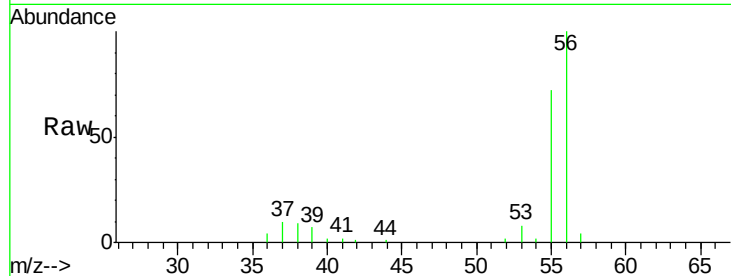
#13
Acrolein
Concen: 218.531 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 56 Resp: 61144
Ion Ratio Lower Upper
56 100
55 71.9 58.6 88.0

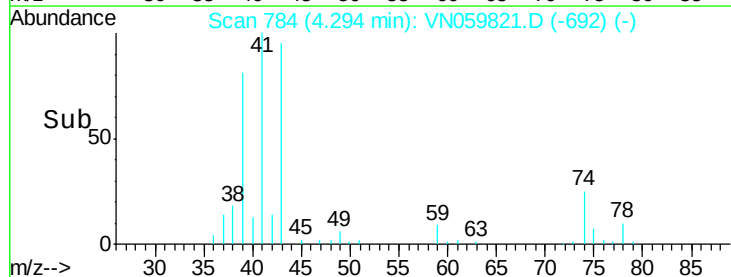
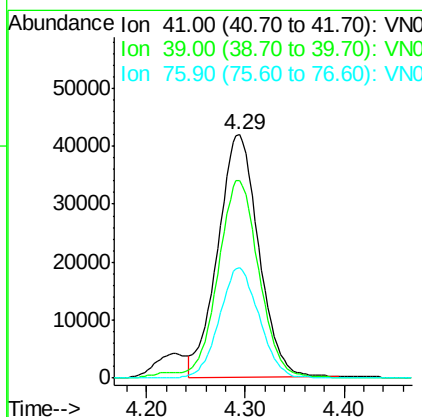
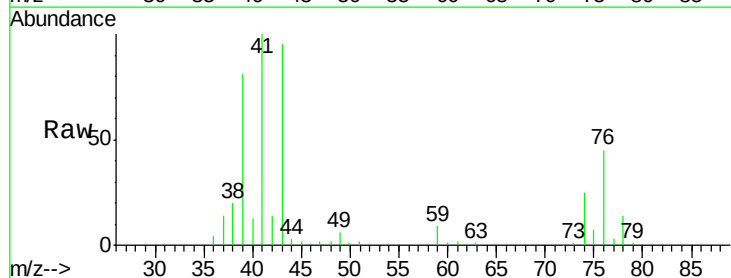
Manual Integrations
APPROVED

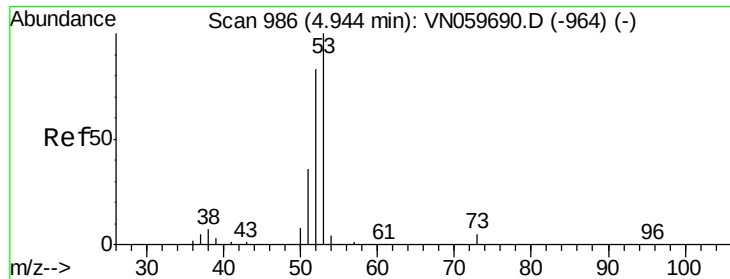
MMDadoda
1/24/2020 10:14:31 AM



#14
Allyl chloride
Concen: 46.366 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion: 41 Resp: 120885
Ion Ratio Lower Upper
41 100
39 80.3 57.8 86.8
76 44.3 25.4 38.0#





#15

Acrylonitrile

Concen: 235.271 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

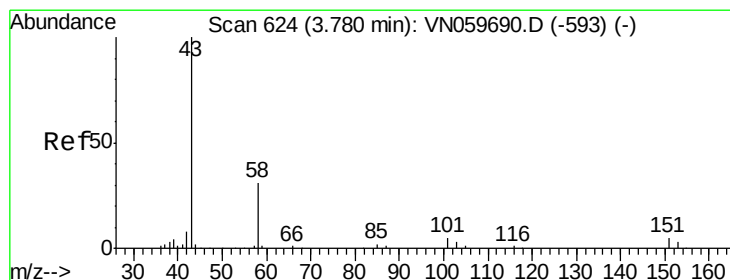
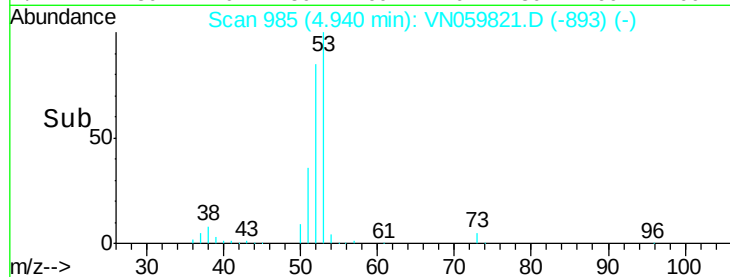
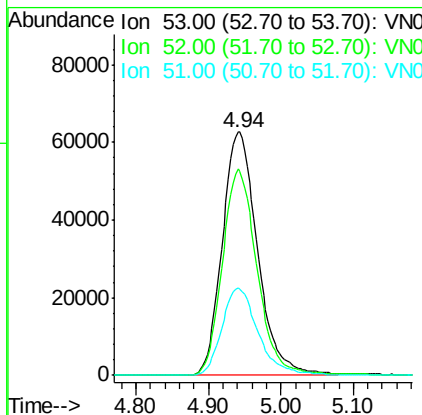
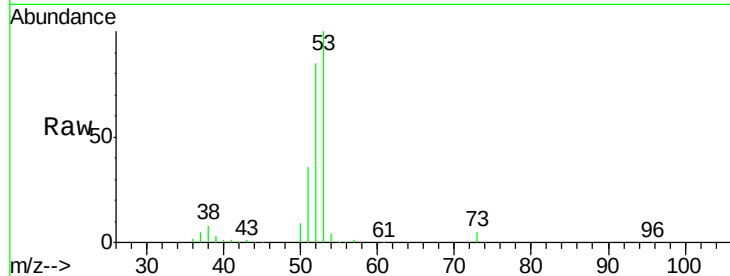
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	212125
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.3	99.5
51	36.8	29.7	44.5

Manual Integrations
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MMDadoda
1/24/2020 10:14:31 AM



#16

Acetone

Concen: 329.455 ug/l

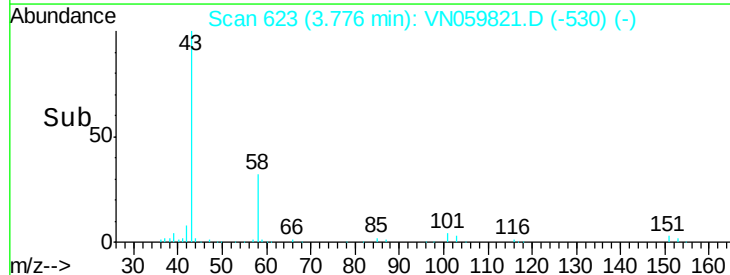
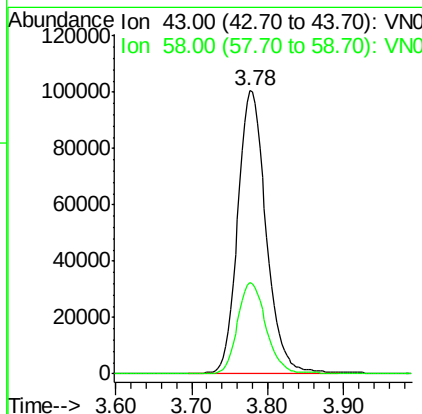
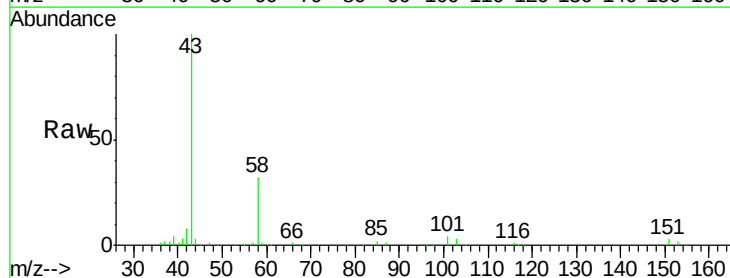
RT: 3.78 min Scan# 623

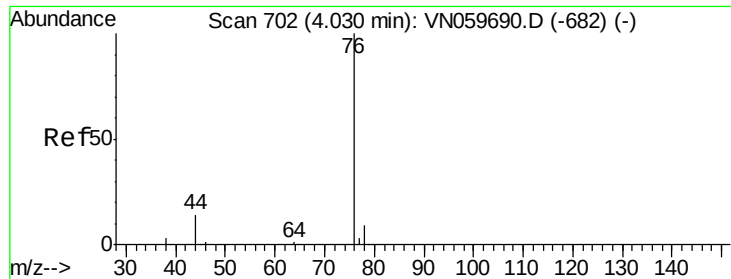
Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Tgt Ion:	43	Resp:	261282
Ion Ratio		Lower	Upper
43	100		
58	32.3	23.6	35.4





#17

Carbon Disulfide

Concen: 43.092 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 237444

Ion Ratio Lower Upper

76 100

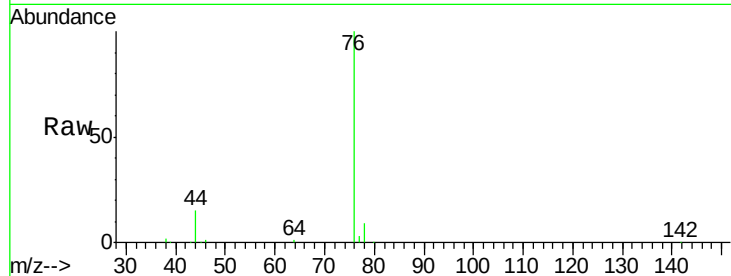
78 9.2 7.4 11.0

Manual Integrations

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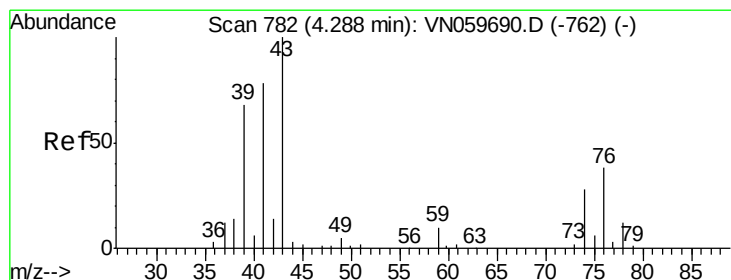
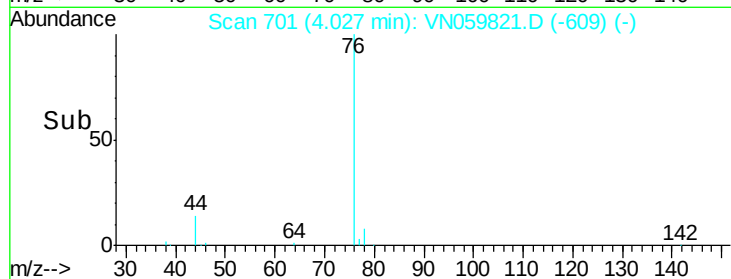
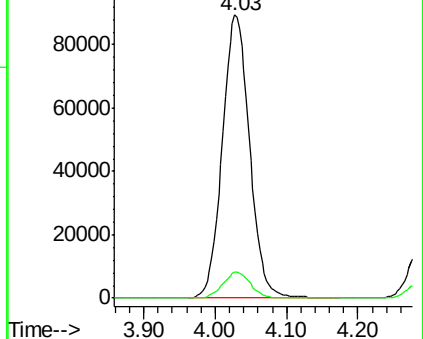
MMDadoda

1/24/2020 10:14:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VN059821.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN059821.D (-682) (-)



#18

Methyl Acetate

Concen: 46.804 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059821.D

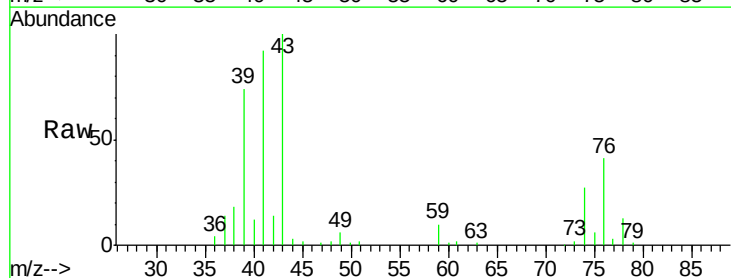
Acq: 22 Jan 2020 9:46

Tgt Ion: 43 Resp: 128360

Ion Ratio Lower Upper

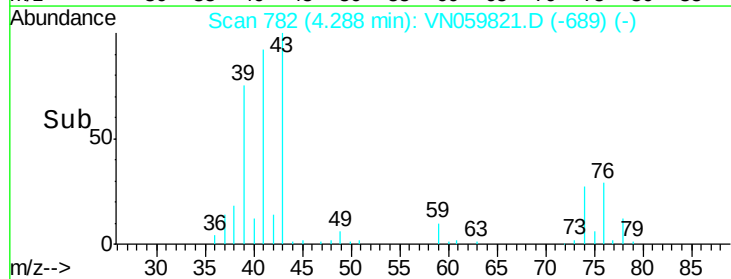
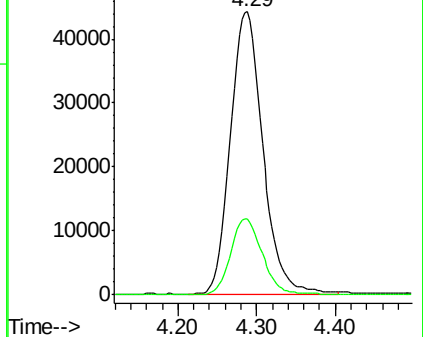
43 100

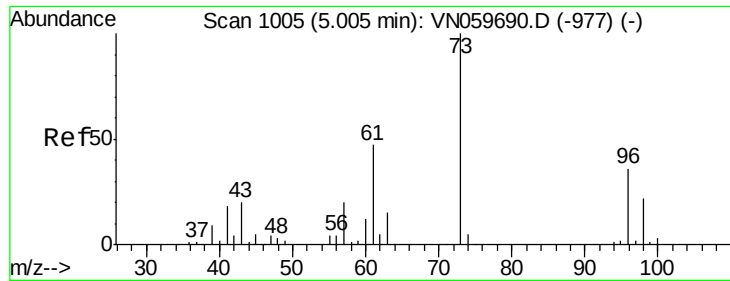
74 26.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059821.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN059821.D (-689) (-)





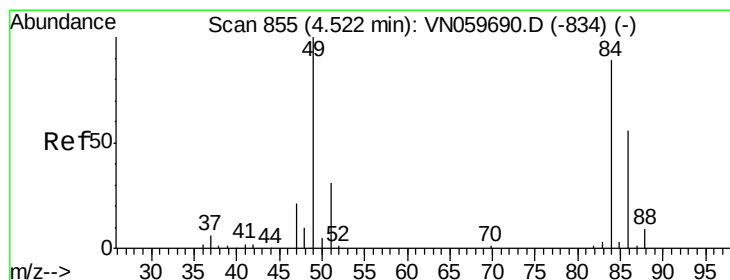
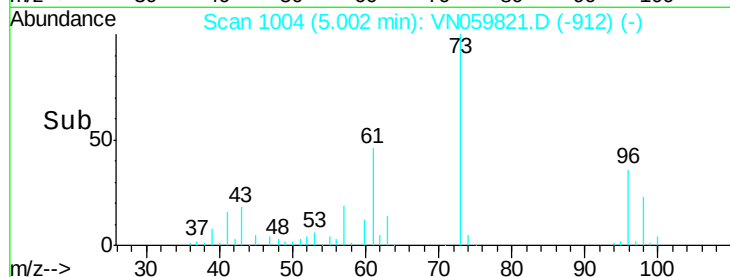
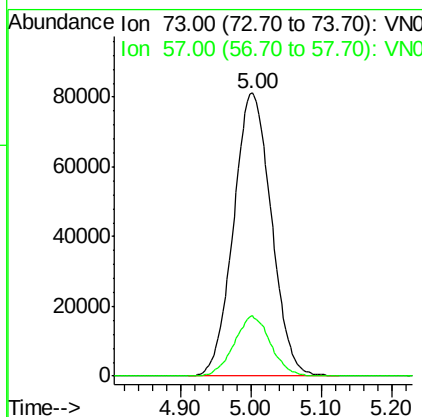
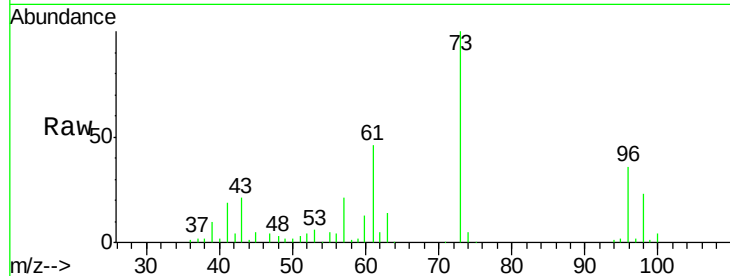
#19
Methyl tert-butyl Ether
Concen: 48.115 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 303446
Ion Ratio Lower Upper
73 100
57 21.2 18.6 27.8

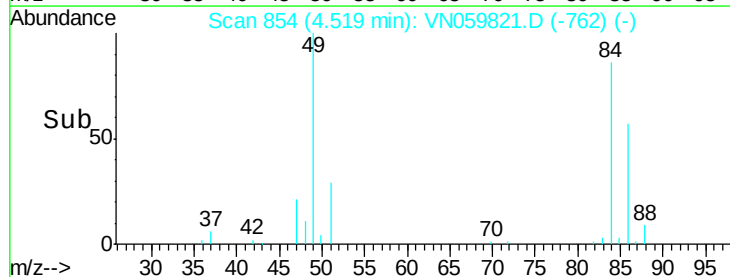
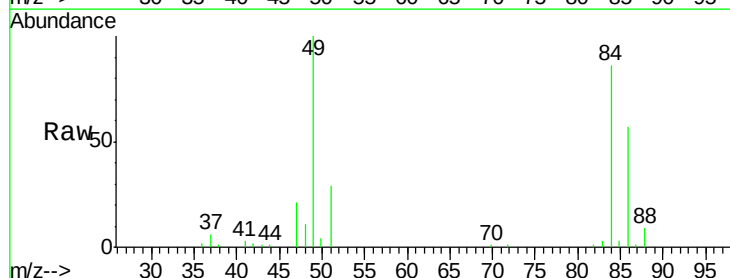
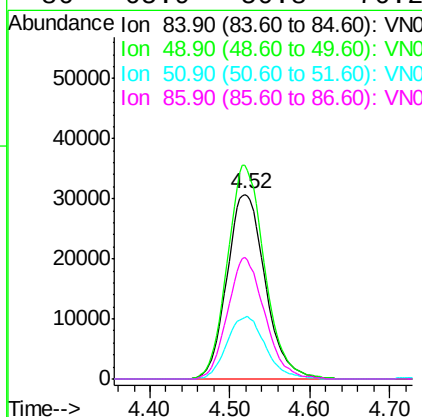
Manual Integrations
APPROVED

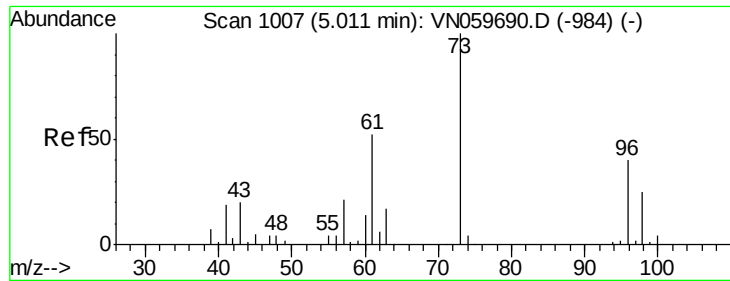
MMDadoda
1/24/2020 10:14:31 AM



#20
Methylene Chloride
Concen: 47.015 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion: 84 Resp: 100035
Ion Ratio Lower Upper
84 100
49 115.8 106.6 160.0
51 33.6 31.9 47.9
86 65.9 50.8 76.2





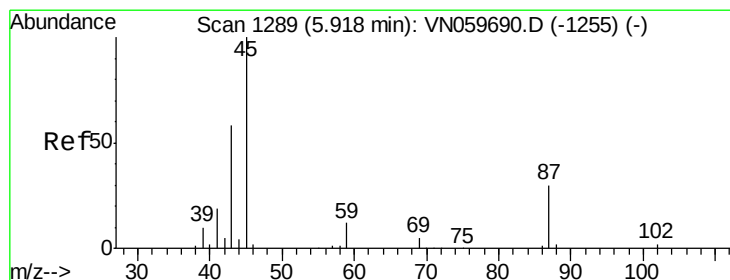
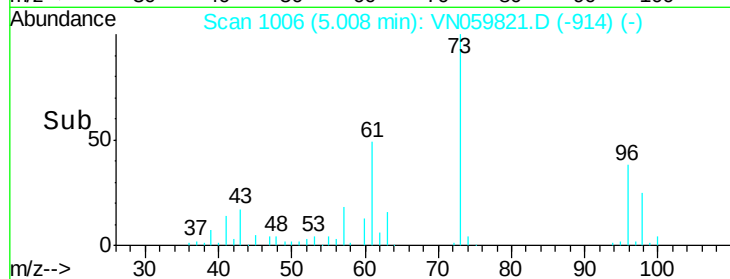
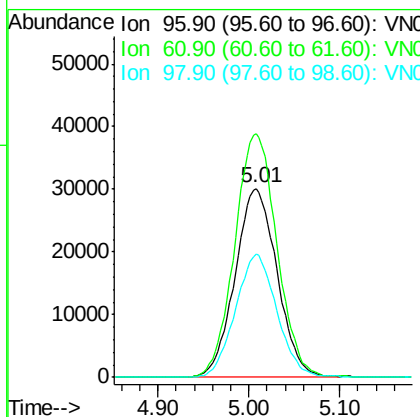
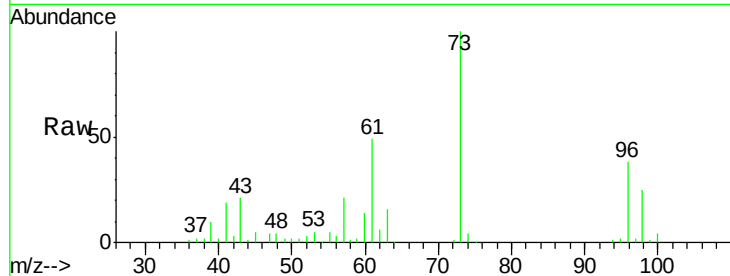
#21
trans-1,2-Dichloroethene
Concen: 47.002 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	120.4	180.6
98	65.2	50.6	75.8

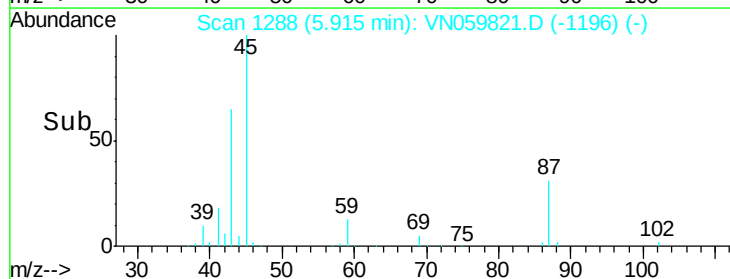
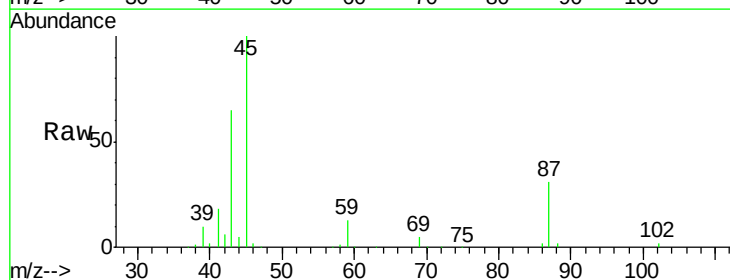
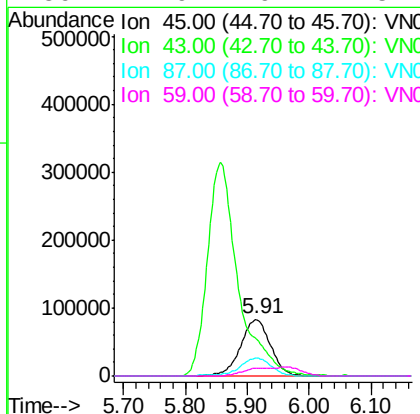
Manual Integrations
APPROVED

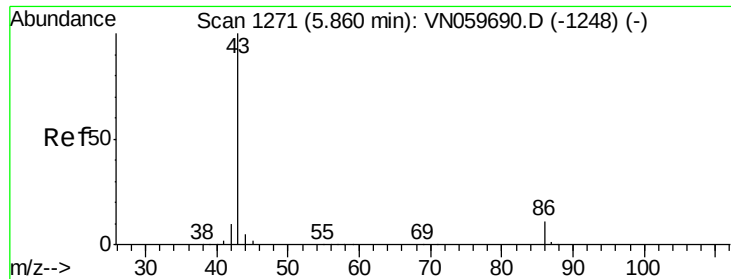
MMDadoda
1/24/2020 10:14:31 AM



#22
Diisopropyl ether
Concen: 47.506 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.0	50.8	76.2
87	31.5	21.0	31.6
59	12.9	9.1	13.7





#23

Vinyl Acetate

Concen: 237.293 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1085511

Ion Ratio Lower Upper

43 100

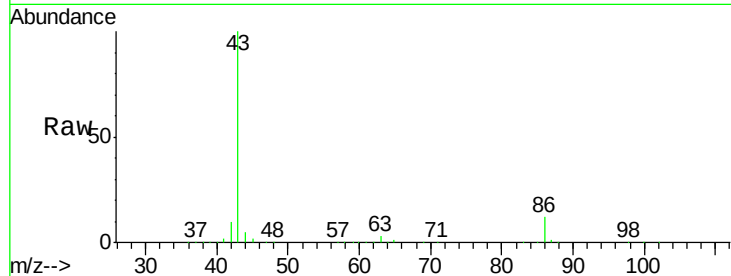
86 11.9 7.6 11.4#

Manual Integrations

APPROVED

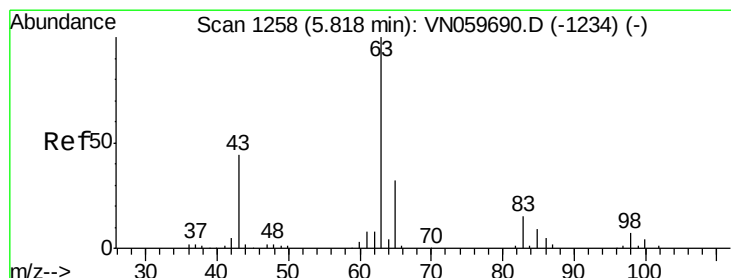
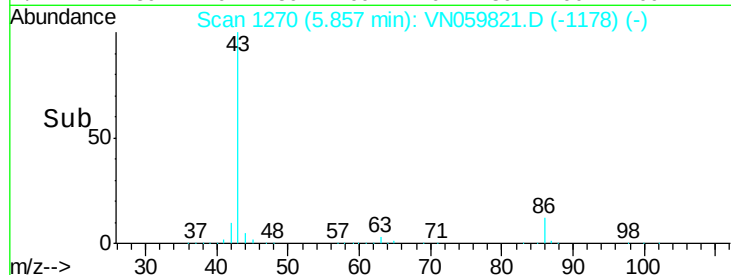
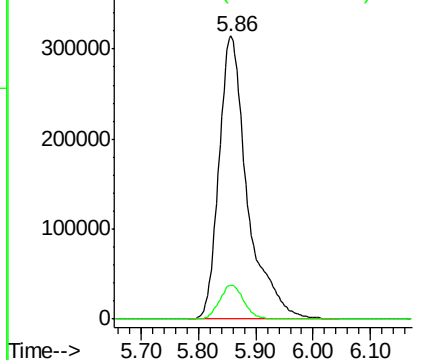
MMDadoda

1/24/2020 10:14:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.318 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

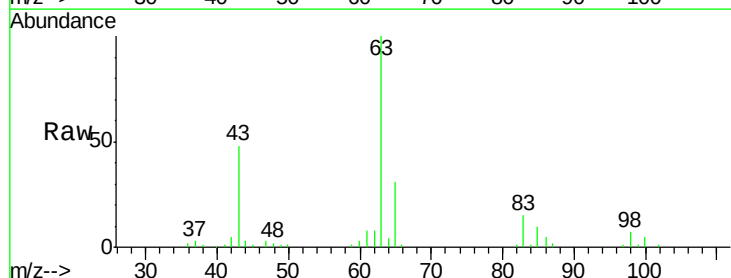
Tgt Ion: 63 Resp: 170828

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

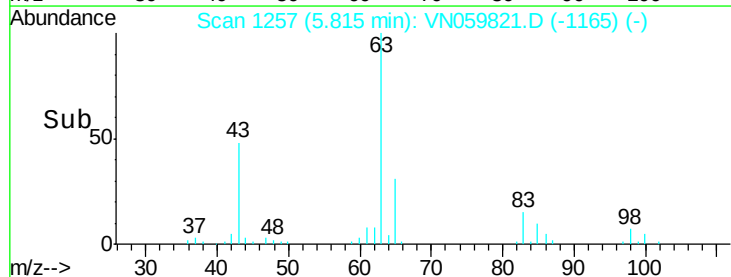
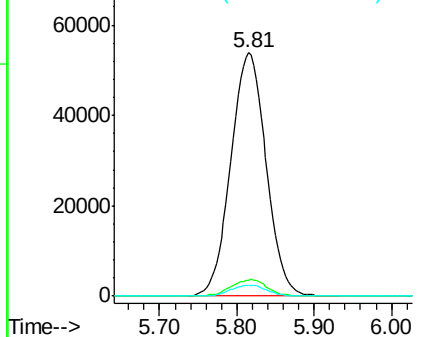
100 4.5 2.0 6.0

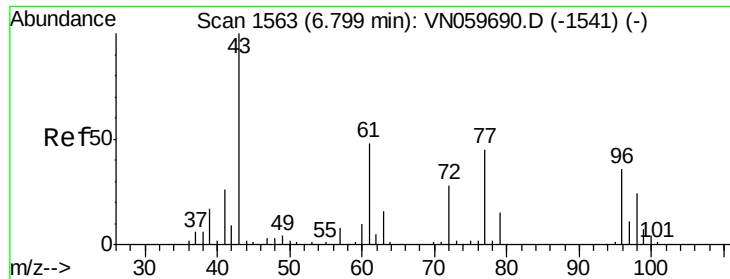


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 250.346 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 332863

Ion Ratio Lower Upper

43 100

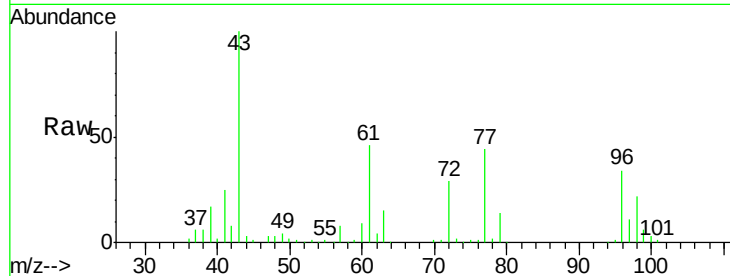
72 29.0 19.9 29.9

Manual Integrations

APPROVED

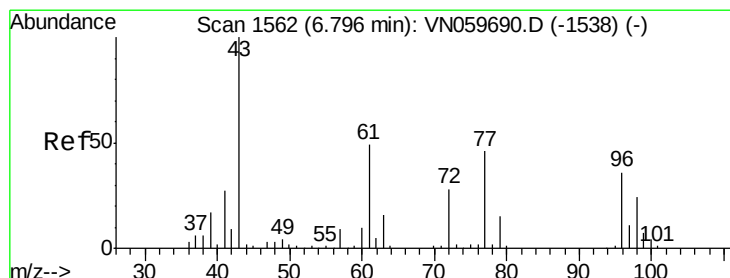
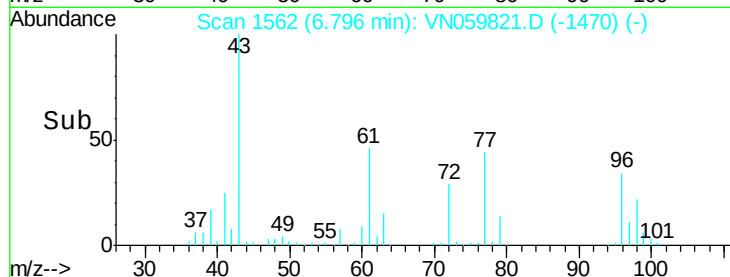
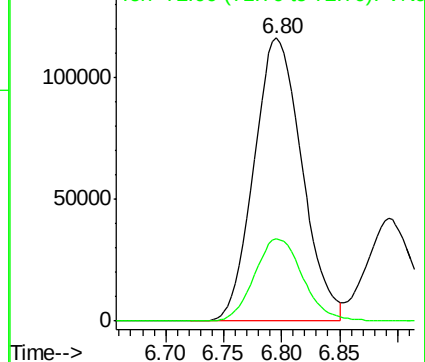
MMDadoda

1/24/2020 10:14:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.687 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059821.D

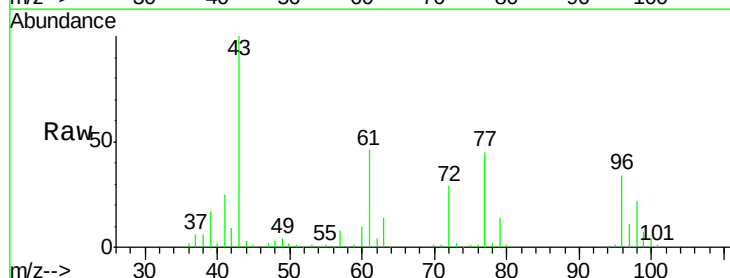
Acq: 22 Jan 2020 9:46

Tgt Ion: 77 Resp: 165512

Ion Ratio Lower Upper

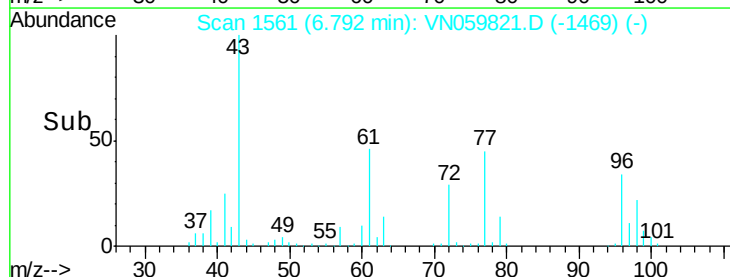
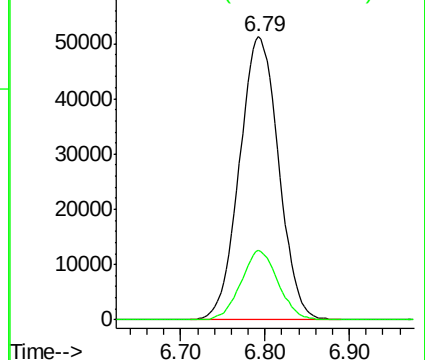
77 100

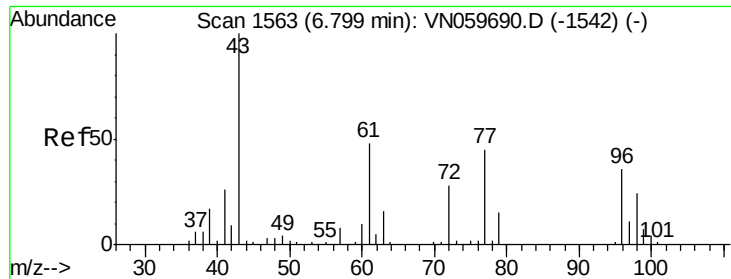
97 23.1 10.7 31.9



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: 48.328 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

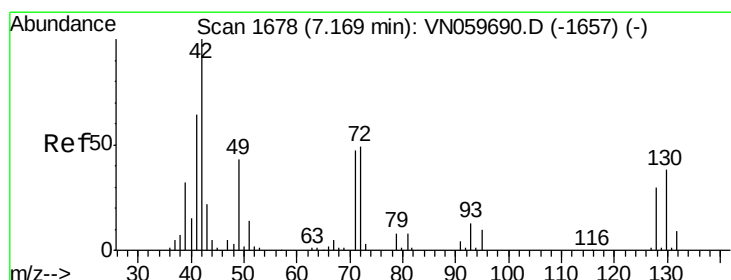
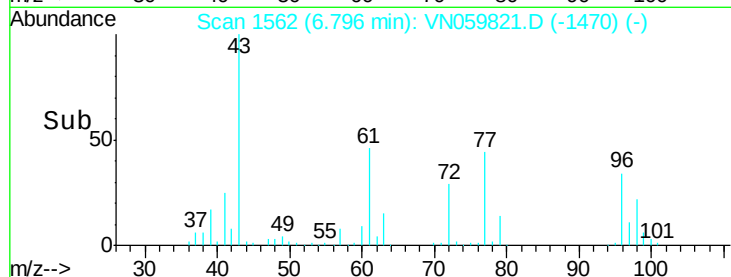
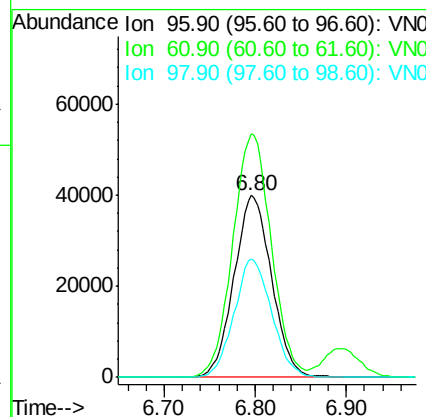
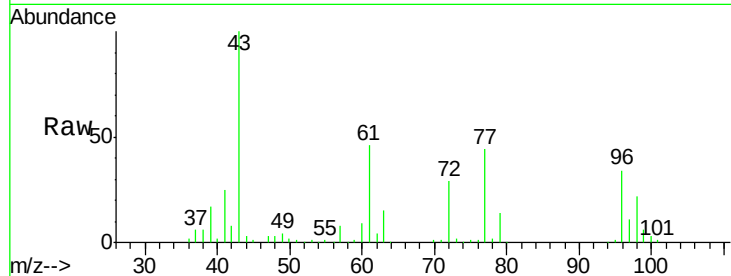
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	114292
Ion Ratio	Lower	Upper	
96	100		
61	137.4	0.0	317.6
98	64.9	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 48.320 ug/l

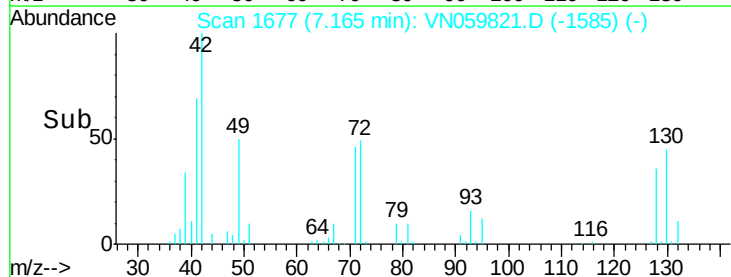
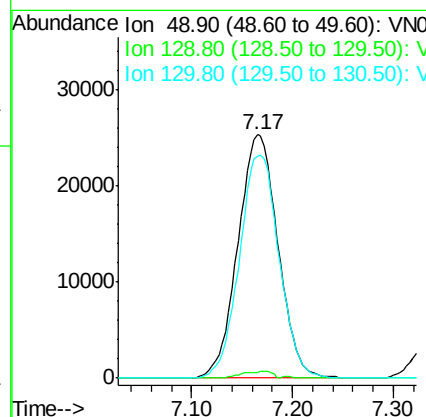
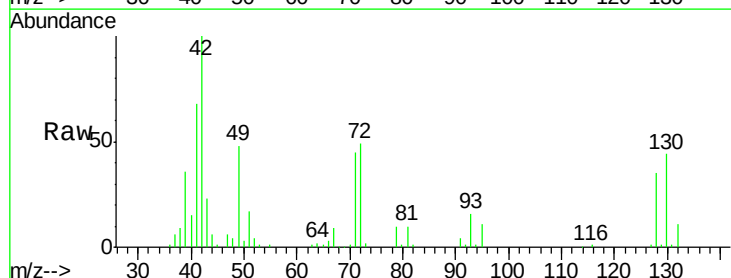
RT: 7.17 min Scan# 1677

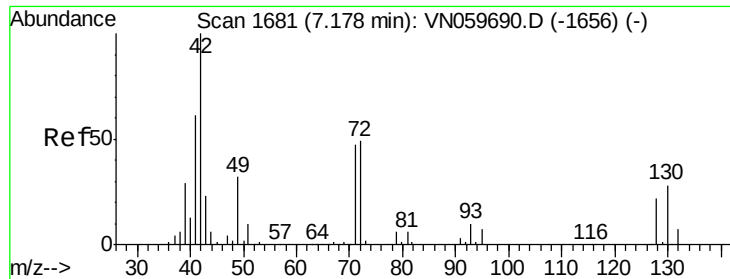
Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Tgt Ion:	49	Resp:	69723
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.4
130	90.7	54.7	82.1#





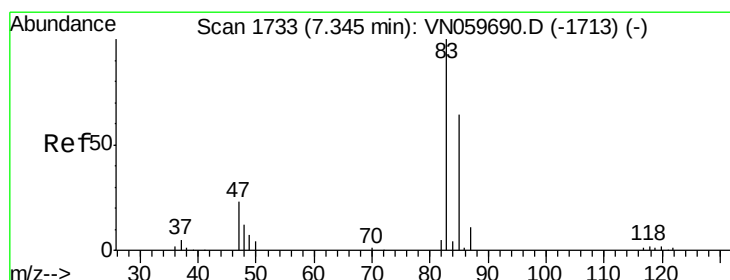
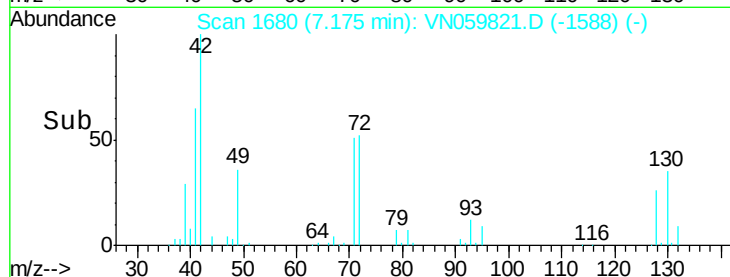
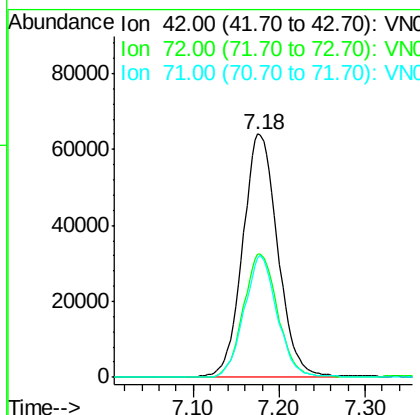
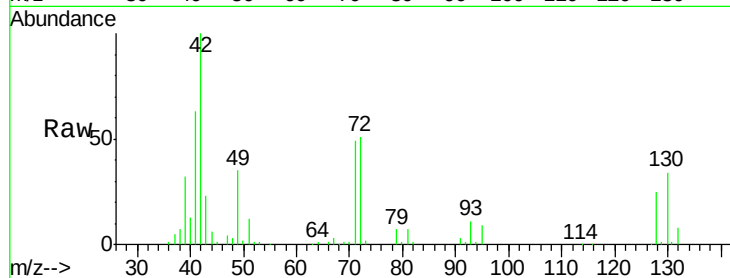
#29
Tetrahydrofuran
Concen: 221.204 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	33.1	49.7#
71	46.9	31.4	47.0

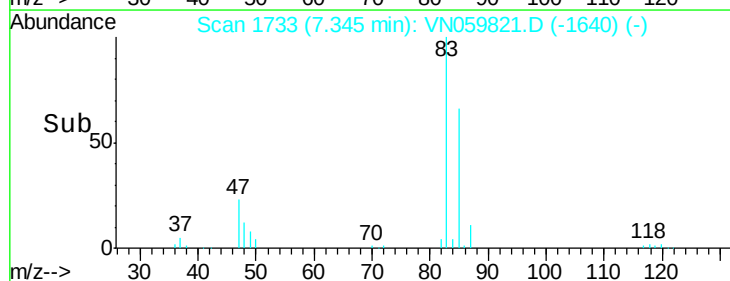
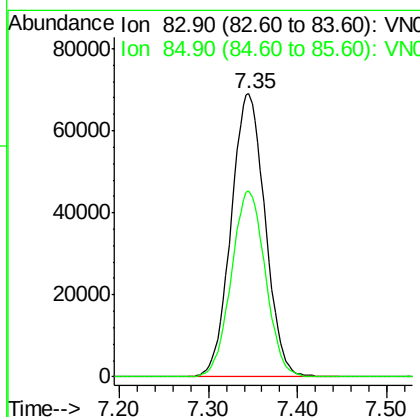
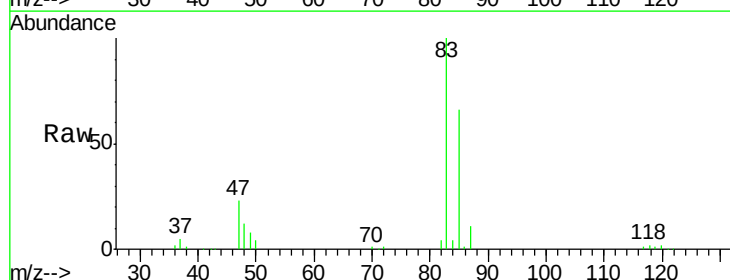
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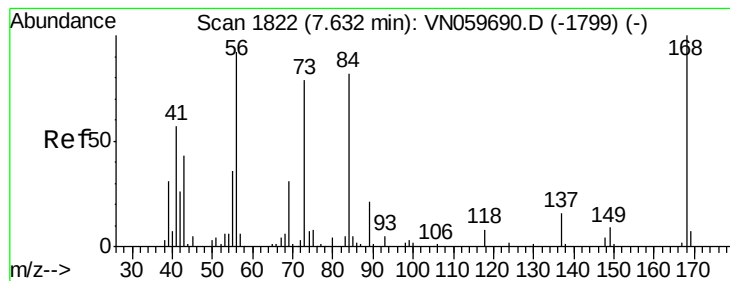
MMDadoda
1/24/2020 10:14:31 AM



#30
Chloroform
Concen: 48.694 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





#31

Cyclohexane

Concen: 42.473 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

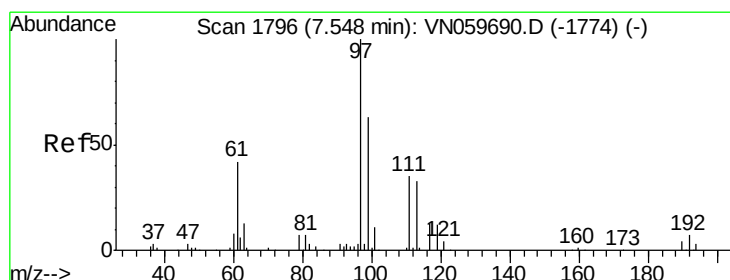
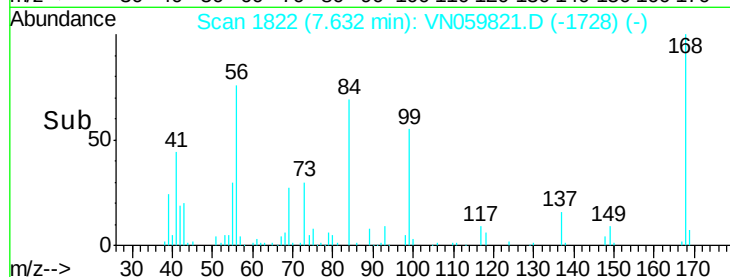
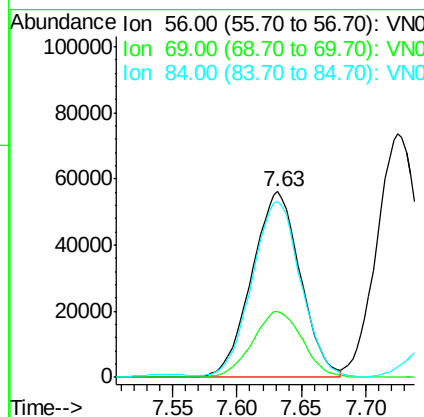
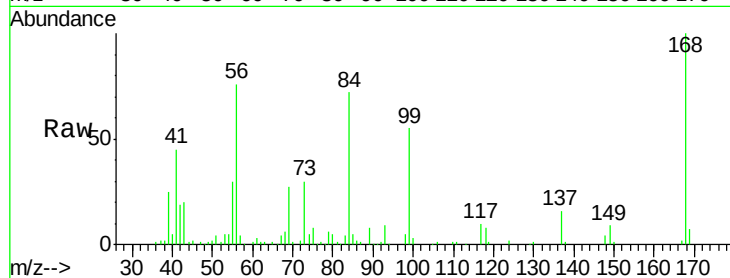
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	147547
Ion Ratio	Lower	Upper	
56	100		
69	35.2	26.5	39.7
84	93.3	65.3	97.9

Manual Integrations
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MMDadoda
1/24/2020 10:14:31 AM



#32

1,1,1-Trichloroethane

Concen: 48.423 ug/l

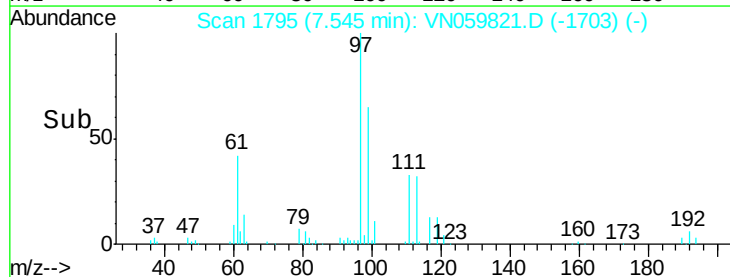
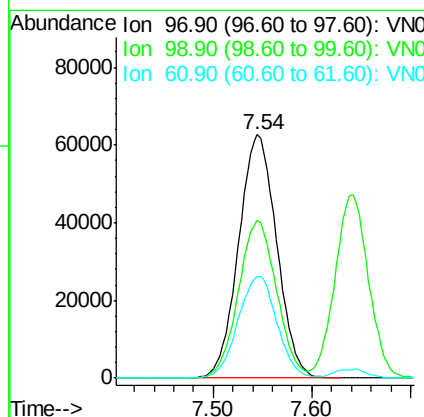
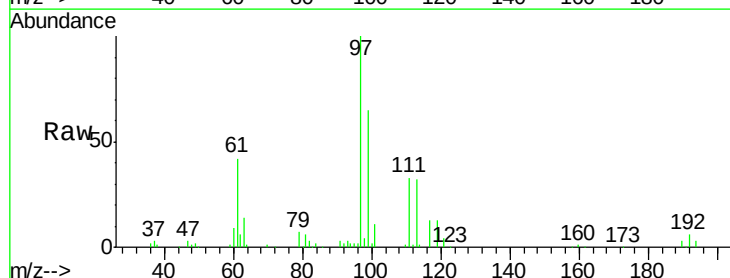
RT: 7.54 min Scan# 1795

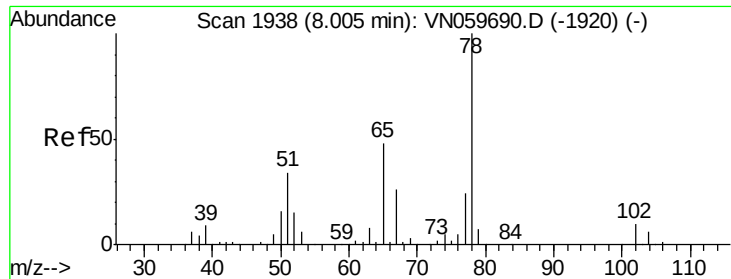
Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Tgt Ion:	97	Resp:	167474
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.0	76.4
61	42.9	38.5	57.7





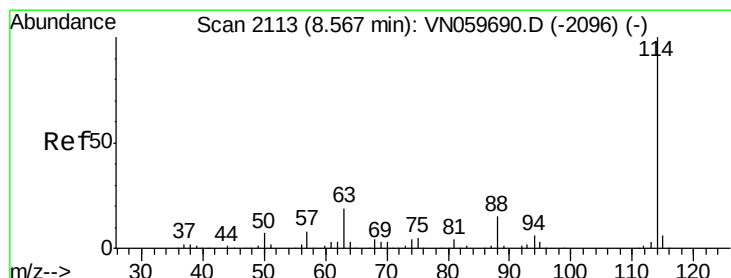
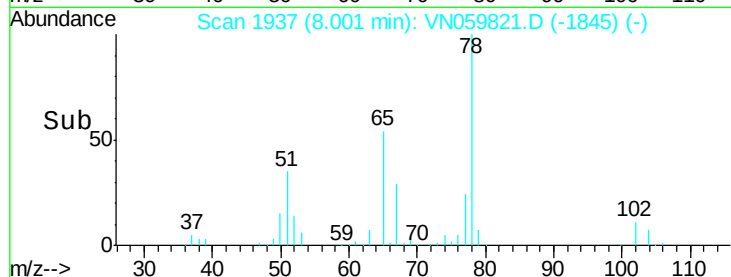
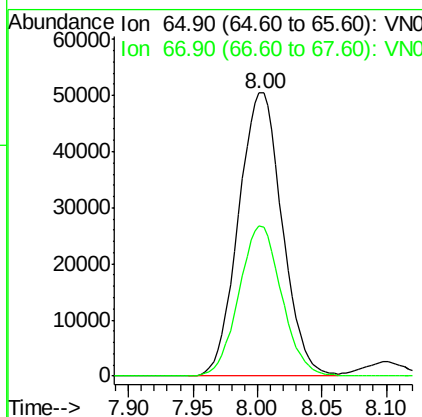
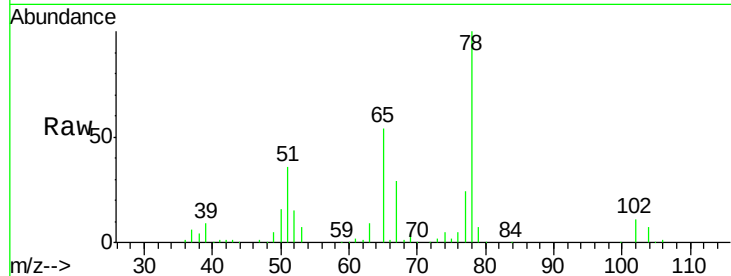
#33
 1,2-Dichloroethane-d4
 Concen: 50.647 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	118915		
67	51.9	0.0	103.0	

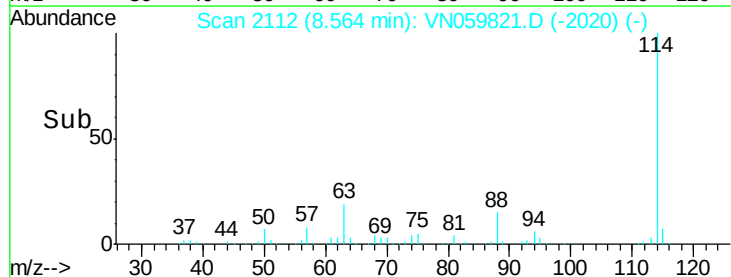
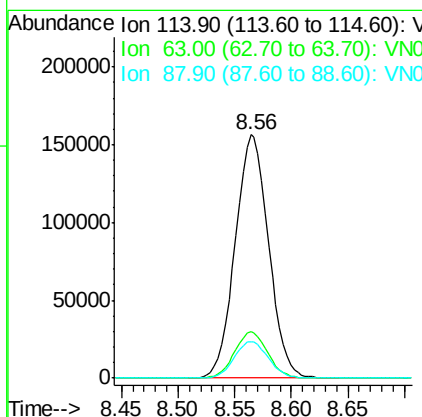
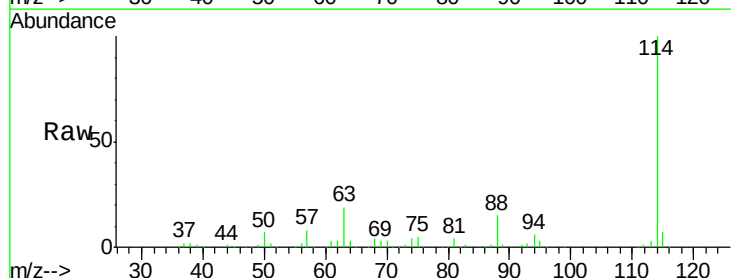
Manual Integrations
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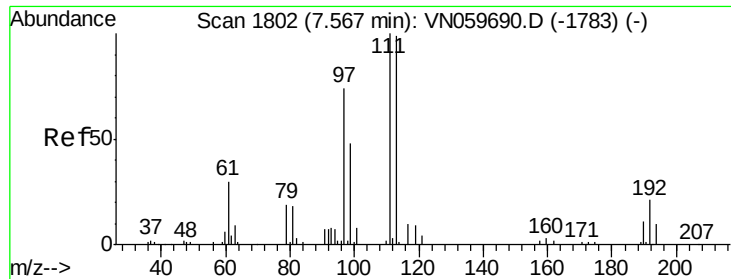
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 1/24/2020 10:14:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	321904		
63	19.1	0.0	43.6	
88	15.1	0.0	31.4	





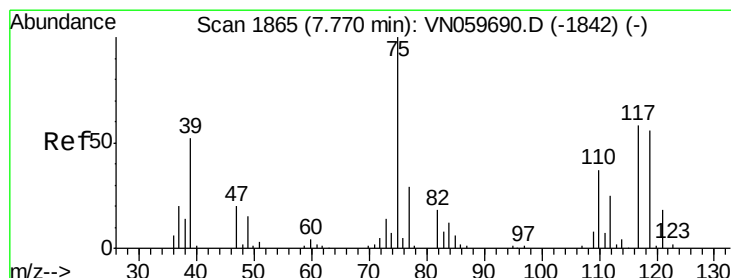
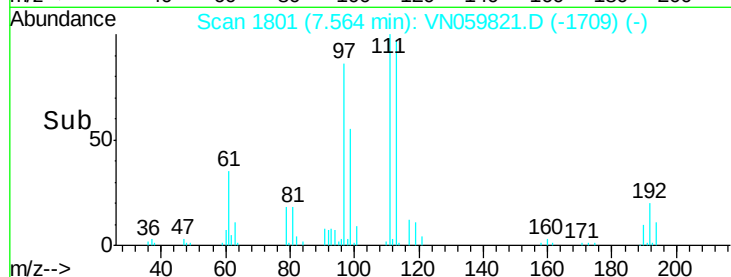
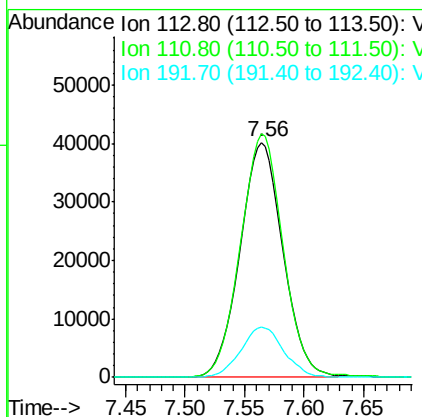
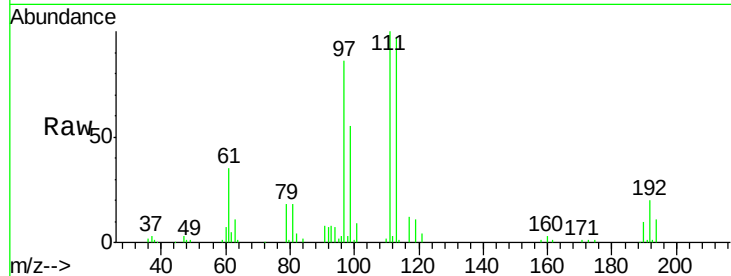
#35
Dibromofluoromethane
Concen: 52.215 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100235		
111	102.9		83.5	125.3
192	21.3		15.4	23.2

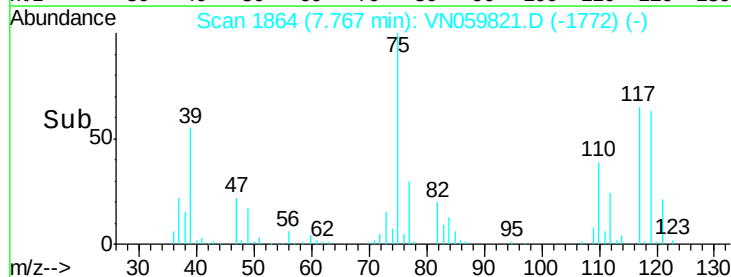
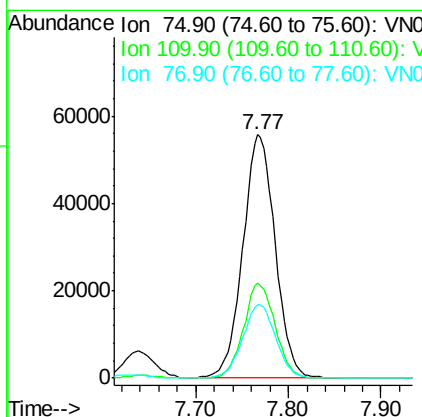
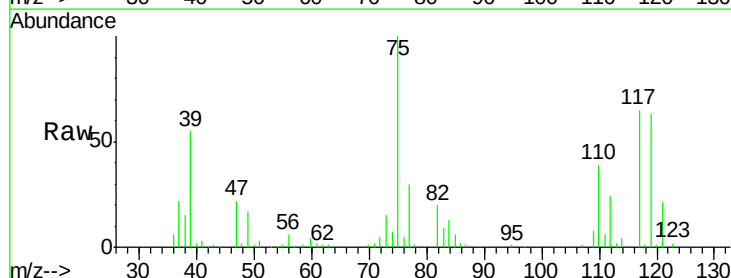
Manual Integrations
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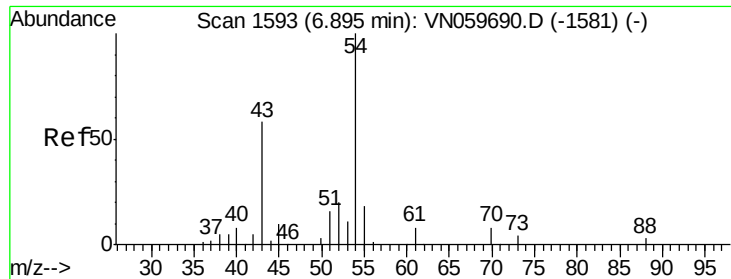
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.016 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134600		
110	37.9		16.6	49.7
77	30.9		25.1	37.7





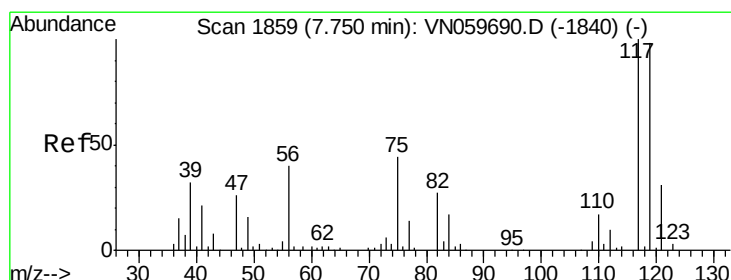
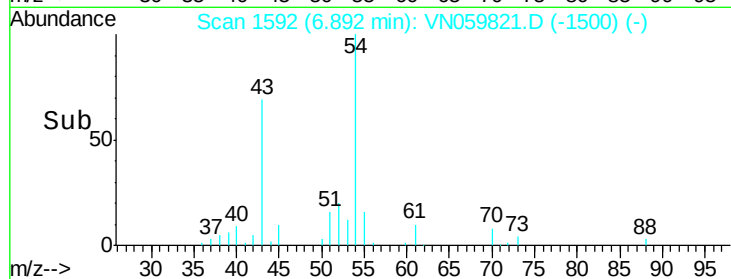
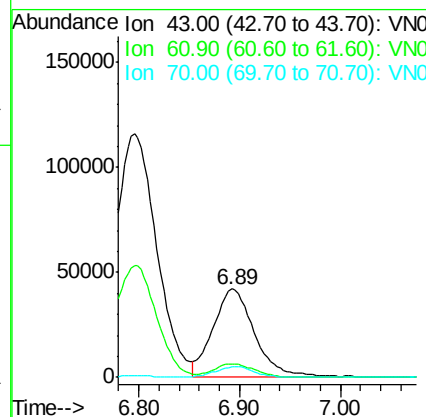
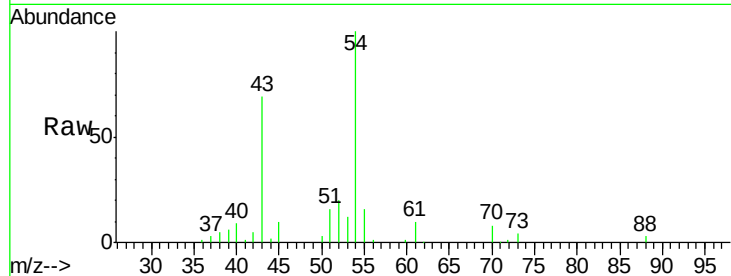
#37
Ethyl Acetate
Concen: 44.897 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.9	16.3
70	11.6	7.7	11.5

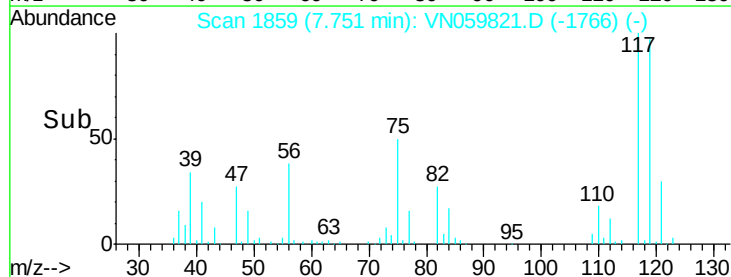
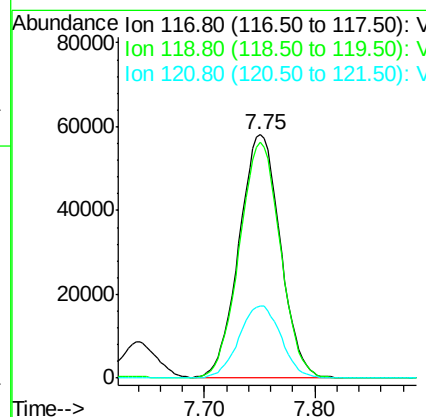
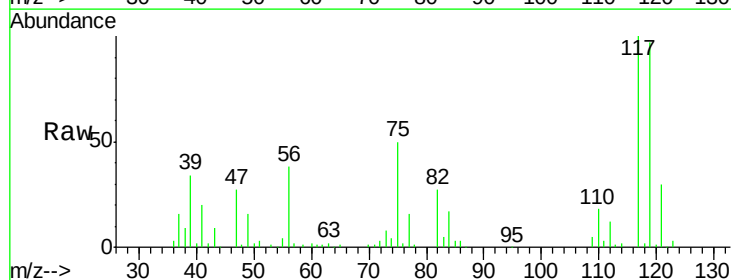
Manual Integrations
APPROVED

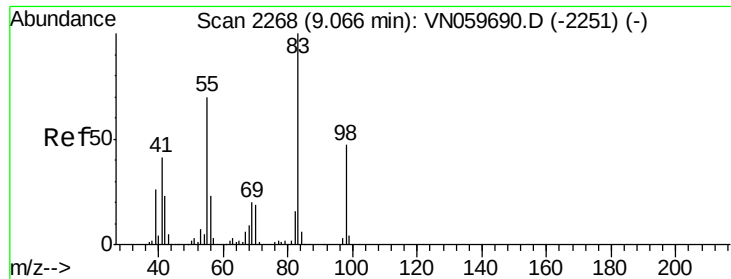
MMDadoda
1/24/2020 10:14:31 AM



#38
Carbon Tetrachloride
Concen: 49.442 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.5	114.7
121	29.9	25.1	37.7





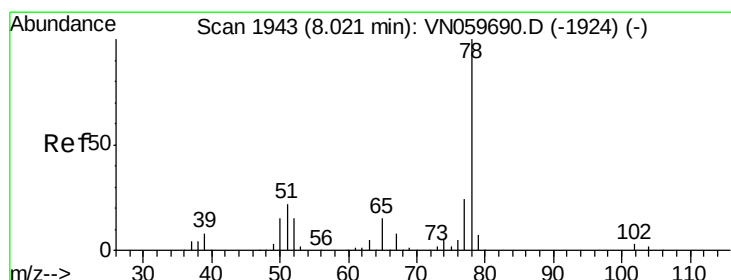
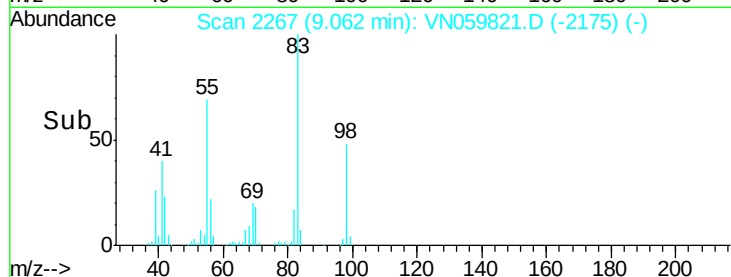
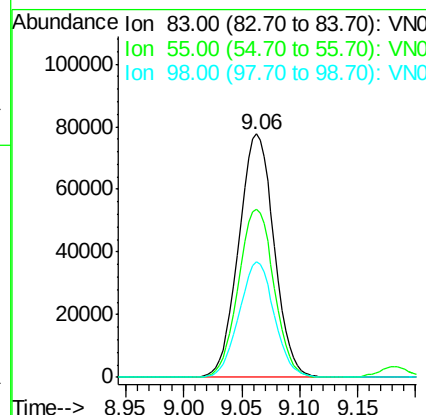
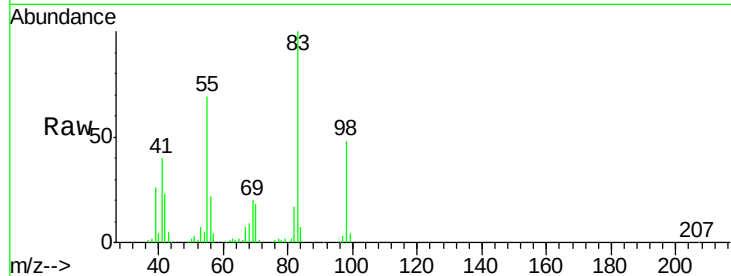
#39
Methylvlcyclohexane
Concen: 47.678 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	64.2	96.2
98	47.7	35.9	53.9

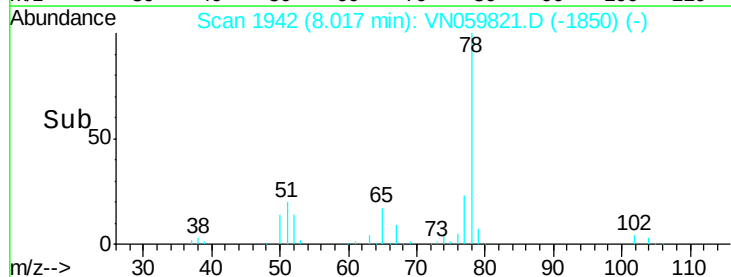
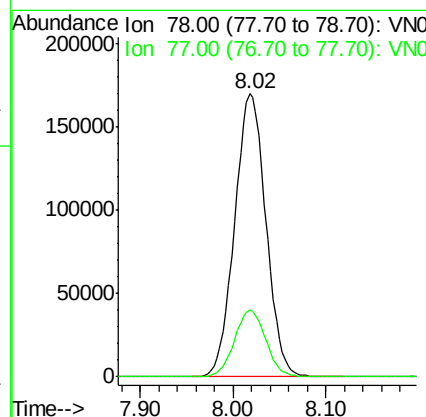
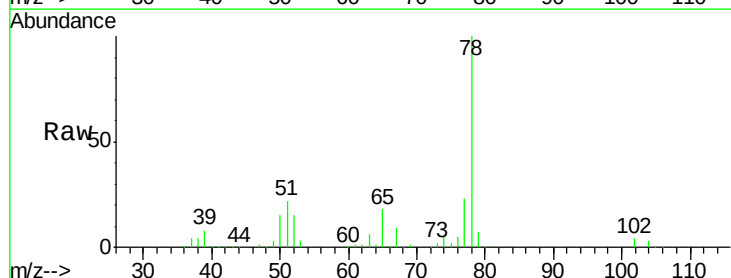
Manual Integrations
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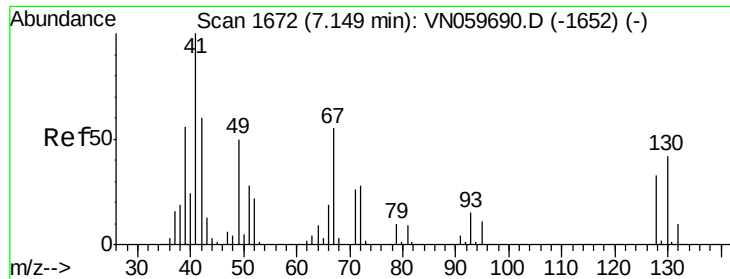
MMDadoda
1/24/2020 10:14:31 AM



#40
Benzene
Concen: 47.550 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





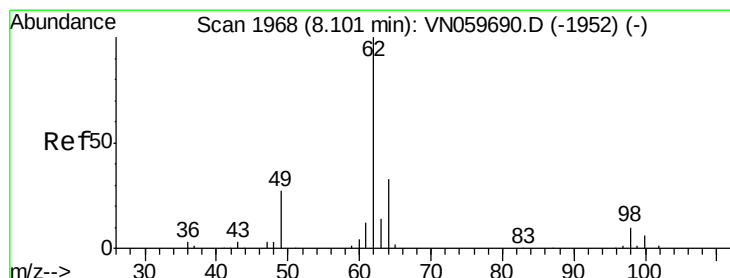
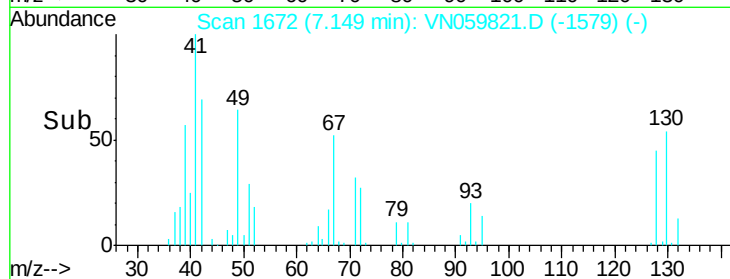
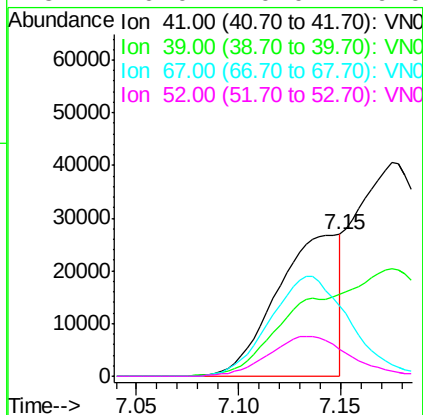
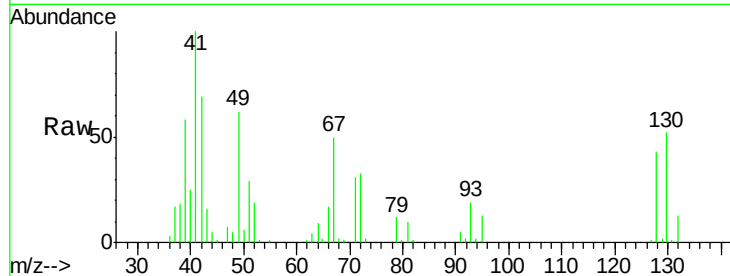
#41
Methacrylonitrile
Concen: 44.479 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	57602
Ion	Ratio	Lower	Upper
41	100		
39	158.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

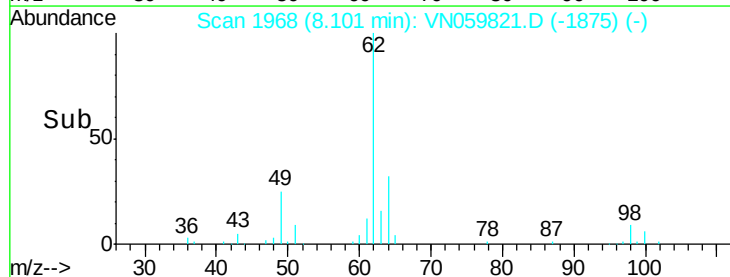
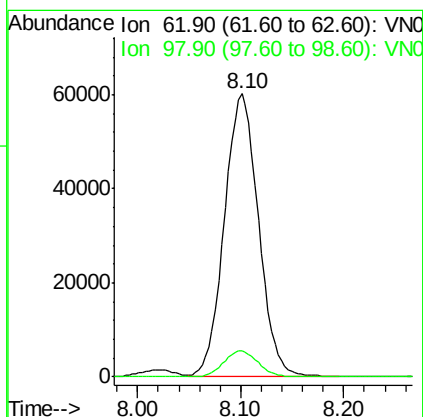
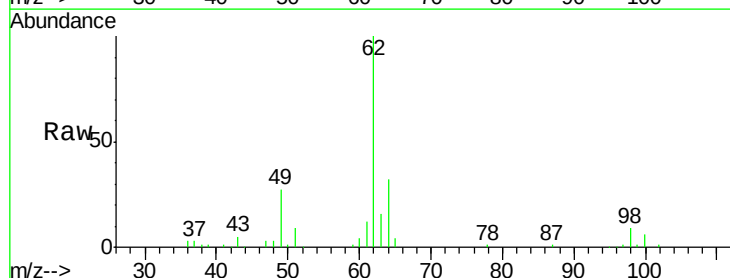
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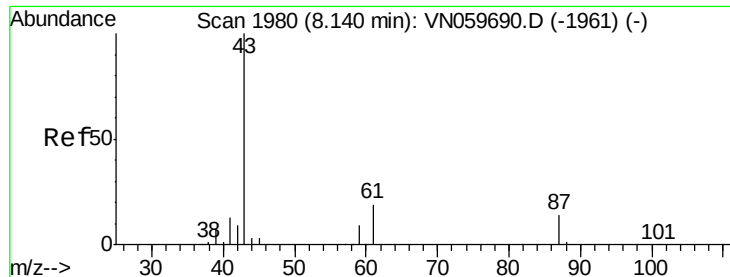
MMDadoda
1/24/2020 10:14:31 AM



#42
1,2-Dichloroethane
Concen: 49.053 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	62	Resp	139046
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8





#43

Isopropyl Acetate

Concen: 45.872 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

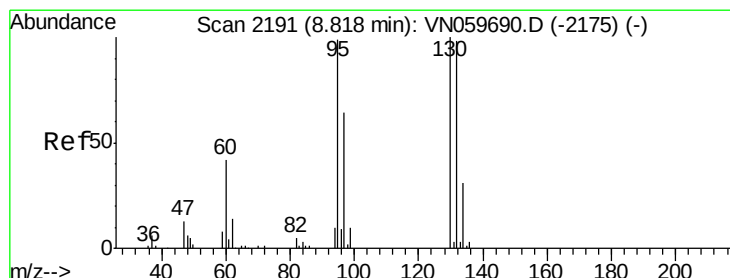
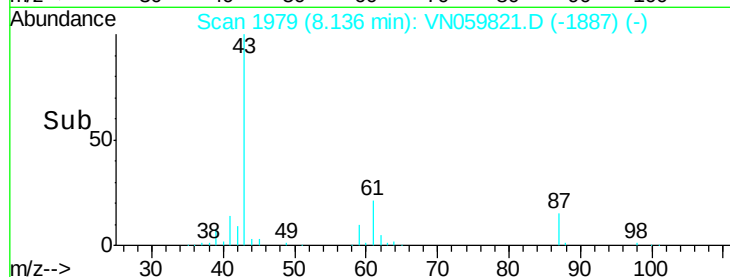
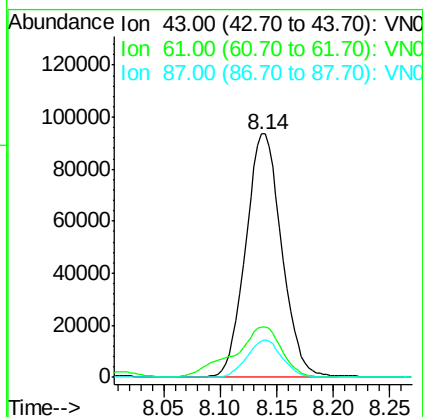
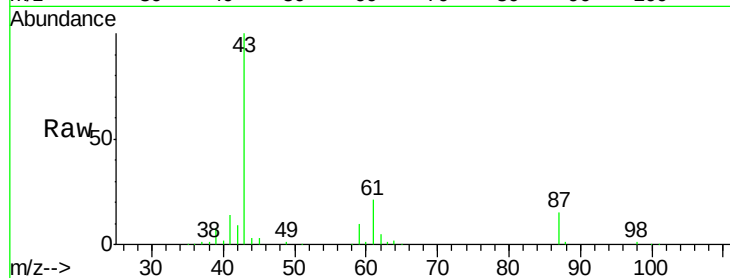
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	207447
Ion Ratio	Lower	Upper	
43	100		
61	27.7	20.2	30.2
87	14.9	9.5	14.3#

Manual Integrations
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MMDadoda
1/24/2020 10:14:31 AM



#44

Trichloroethene

Concen: 50.971 ug/l

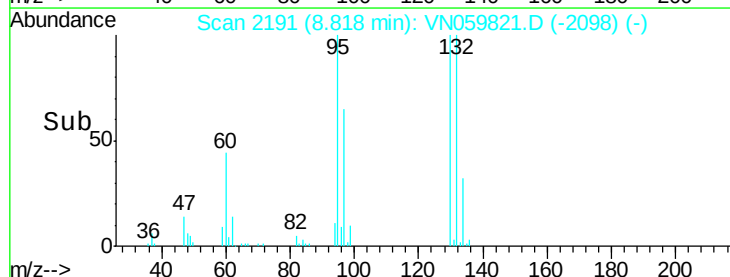
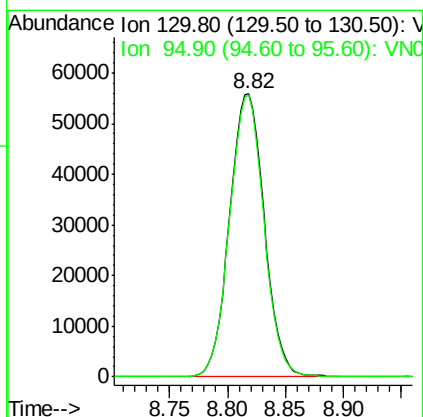
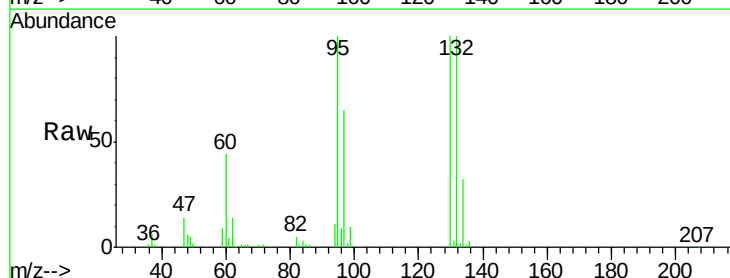
RT: 8.82 min Scan# 2191

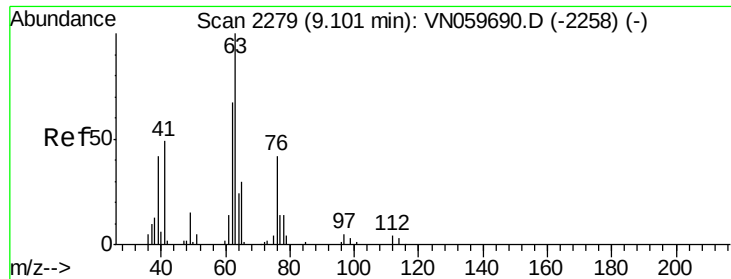
Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Tgt Ion:	130	Resp:	116330
Ion Ratio	Lower	Upper	
130	100		
95	99.5	0.0	207.0





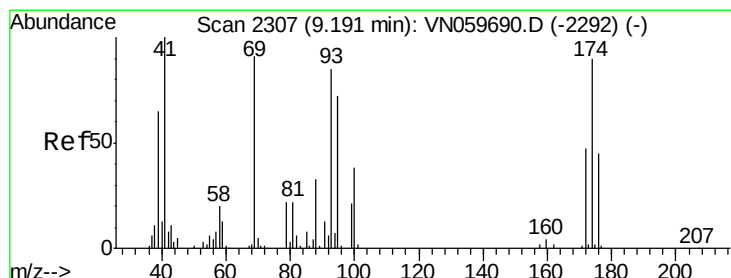
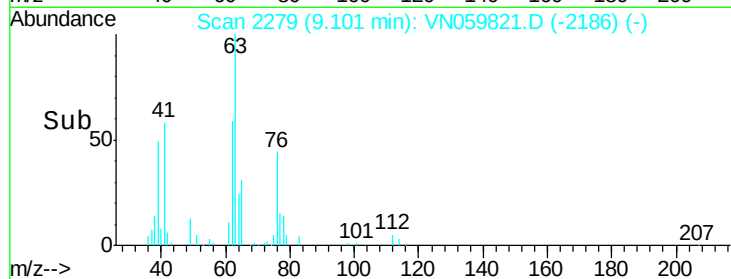
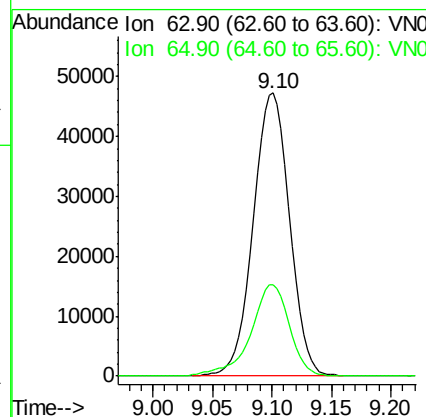
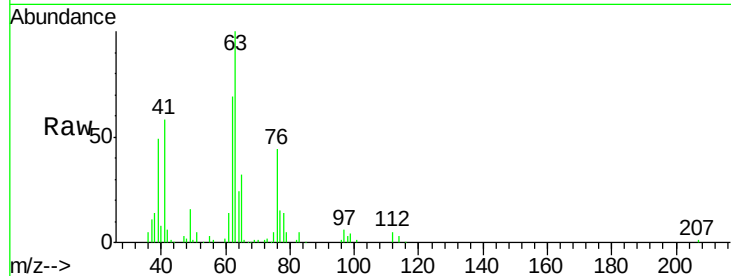
#45
 1,2-Dichloropropane
 Concen: 48.447 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.9	37.3

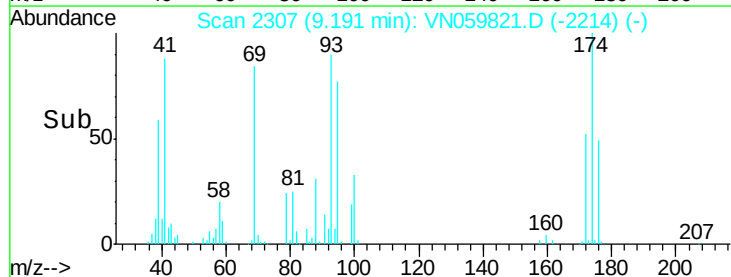
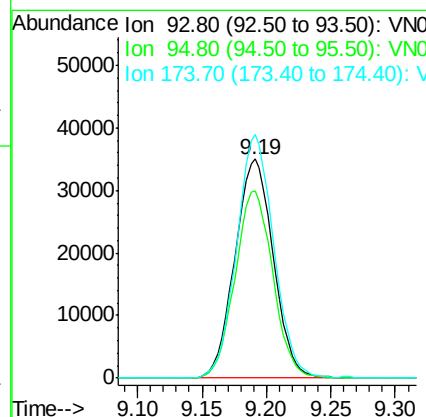
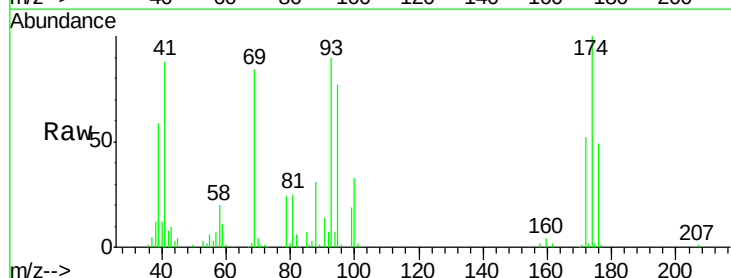
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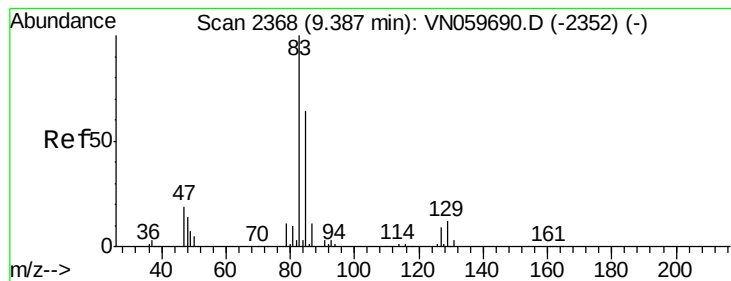
MMDadoda
 1/24/2020 10:14:31 AM



#46
 Dibromomethane
 Concen: 49.564 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.0	100.6
174	107.8	73.4	110.2





#47

Bromodichloromethane

Concen: 50.248 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

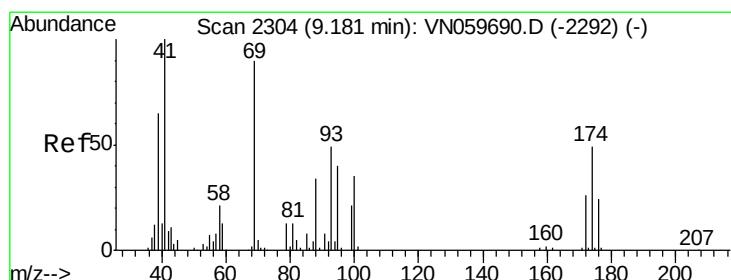
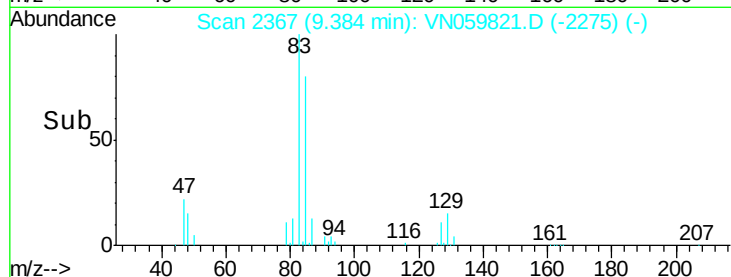
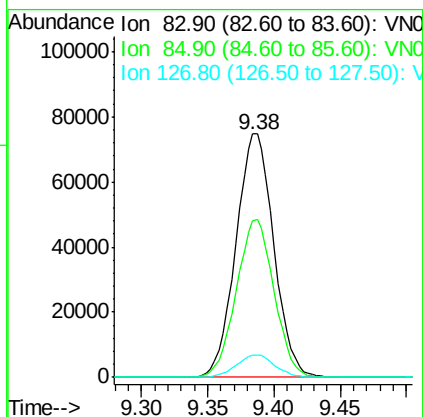
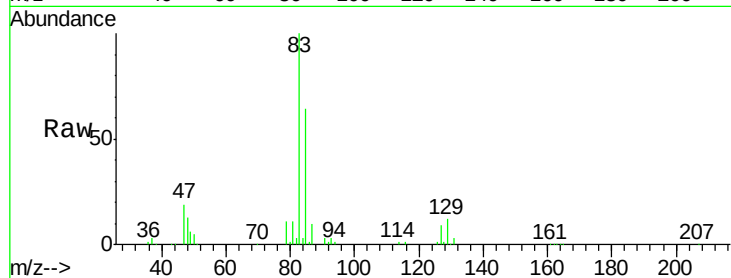
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	147767
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	9.2	6.6	9.8

Manual Integrations
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MMDadoda
1/24/2020 10:14:31 AM



#48

Methyl methacrylate

Concen: 44.911 ug/l

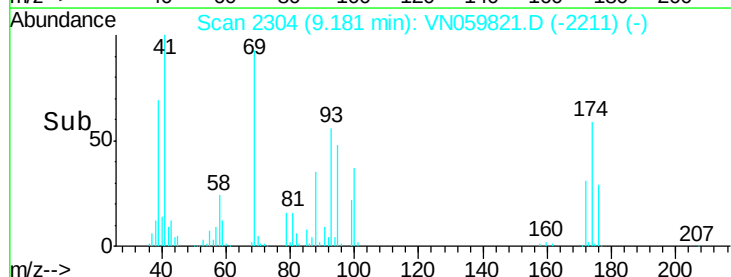
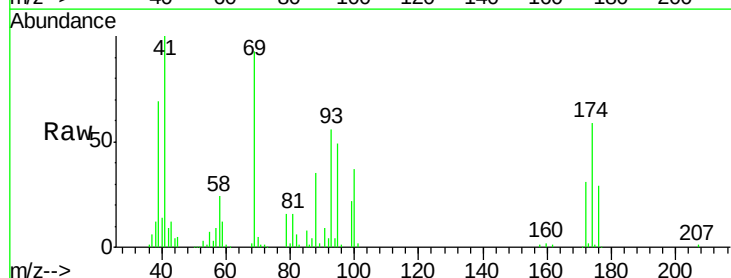
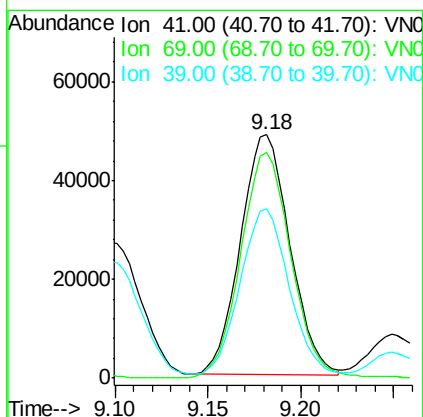
RT: 9.18 min Scan# 2304

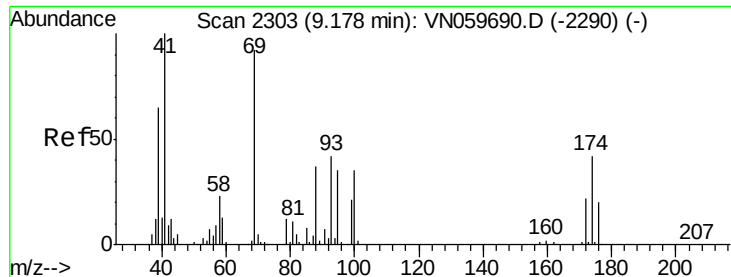
Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Tgt Ion:	41	Resp:	90848
Ion	Ratio	Lower	Upper
41	100		
69	95.6	64.4	96.6
39	70.7	51.3	76.9





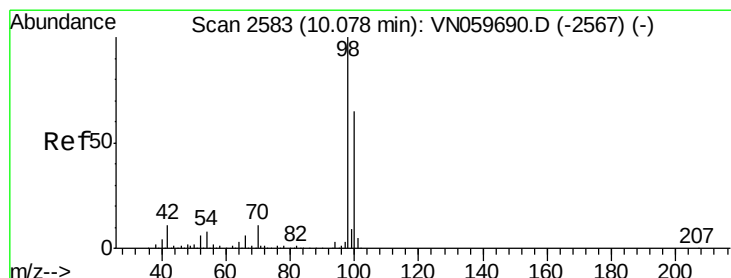
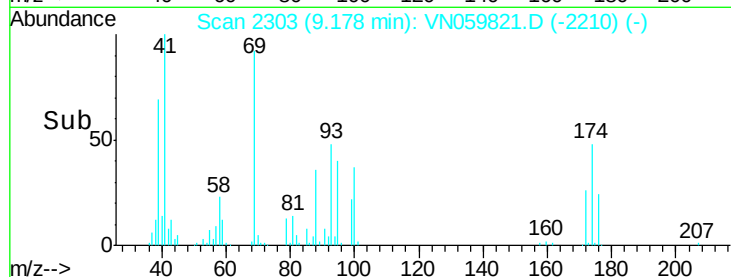
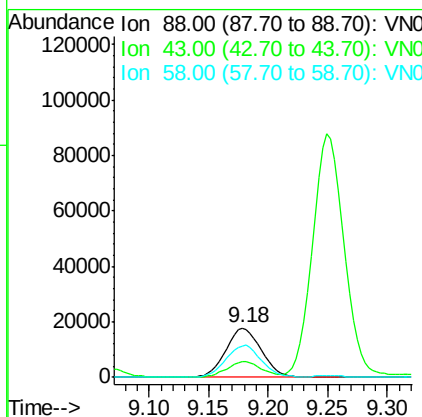
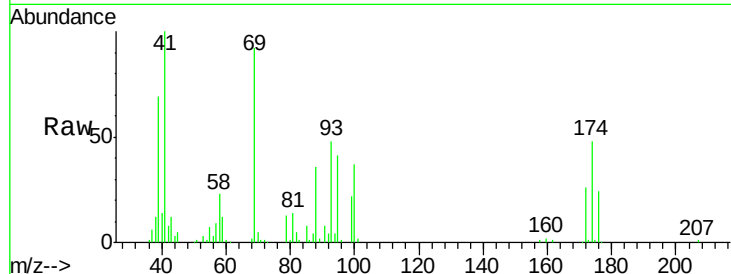
#49
1,4-Dioxane
Concen: 1001.543 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	37088
Ion	Ratio	Lower	Upper
88	100		
43	31.6	29.7	44.5
58	64.1	56.6	85.0

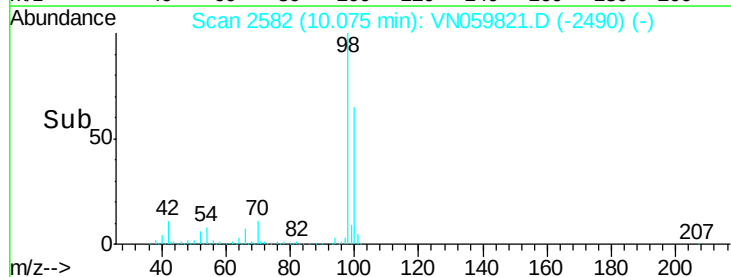
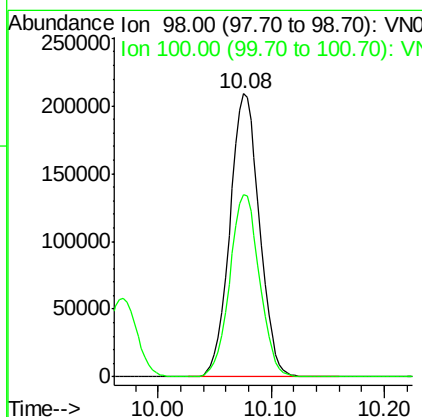
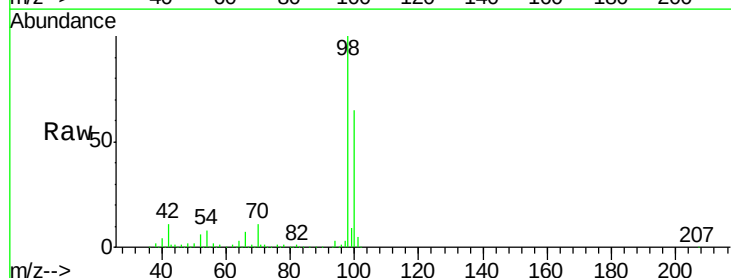
Manual Integrations
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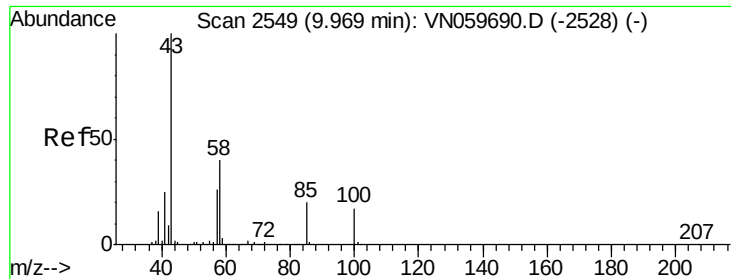
MMDadoda
1/24/2020 10:14:31 AM



#50
Toluene-d8
Concen: 51.112 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	98	Resp	380153
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





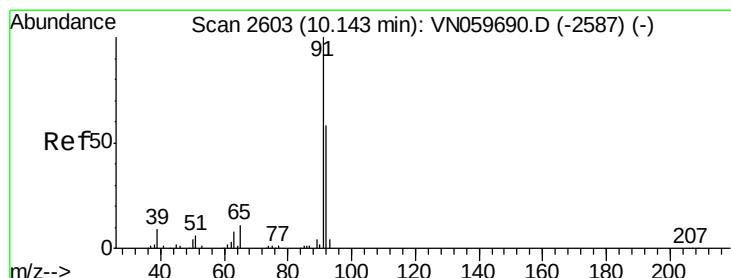
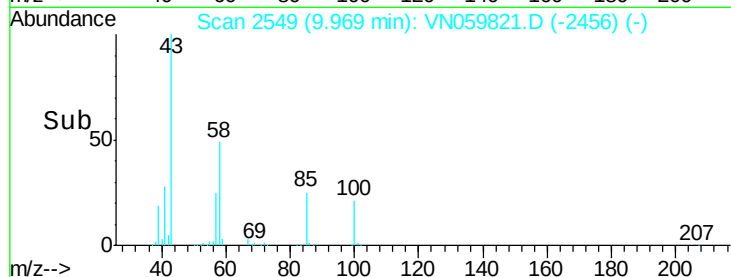
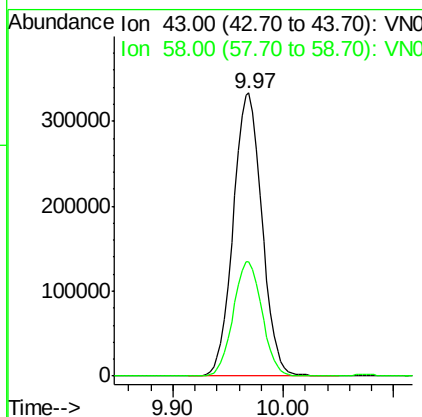
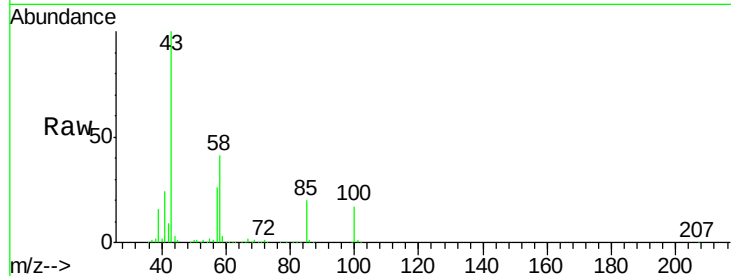
#51
4-Methyl-2-Pentanone
Concen: 230.374 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	29.8	44.8

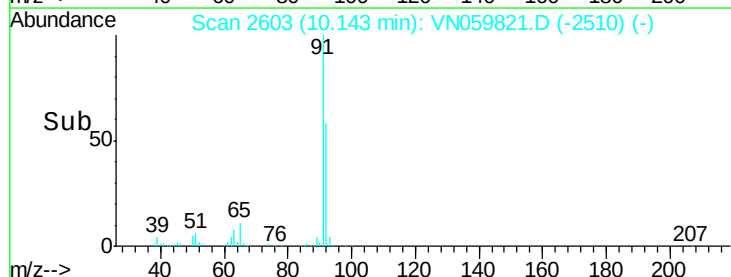
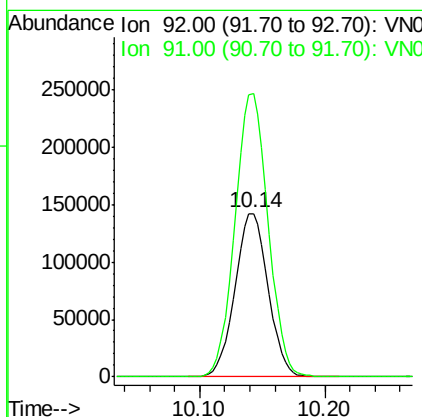
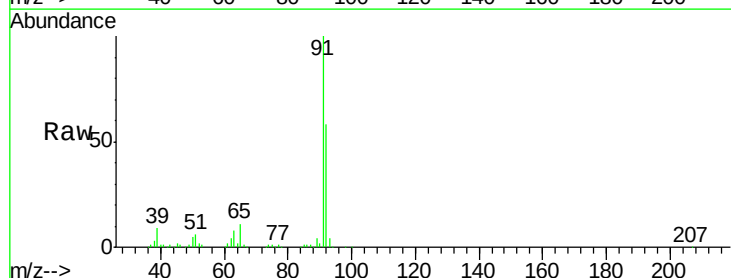
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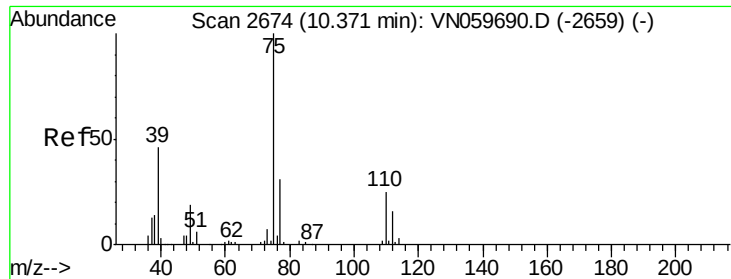
MMDadoda
1/24/2020 10:14:31 AM



#52
Toluene
Concen: 49.285 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.7	140.4	210.6





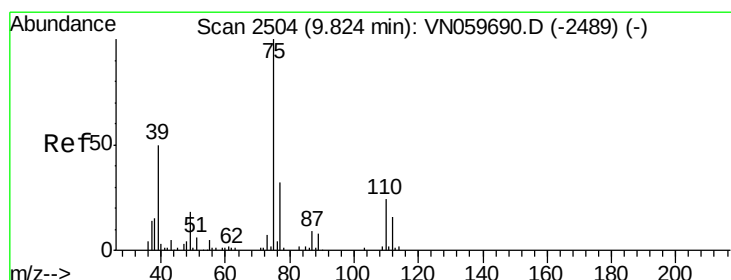
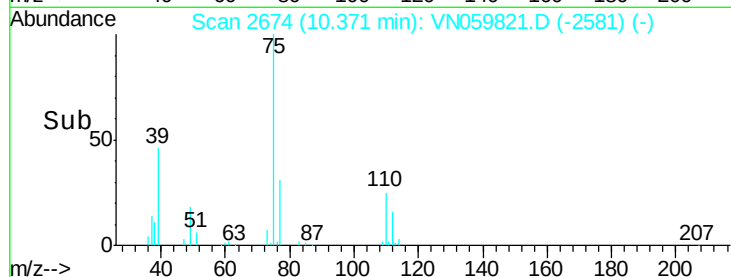
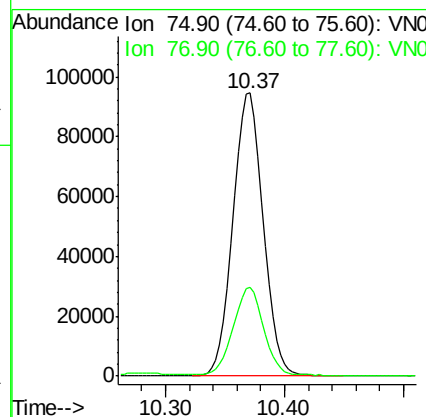
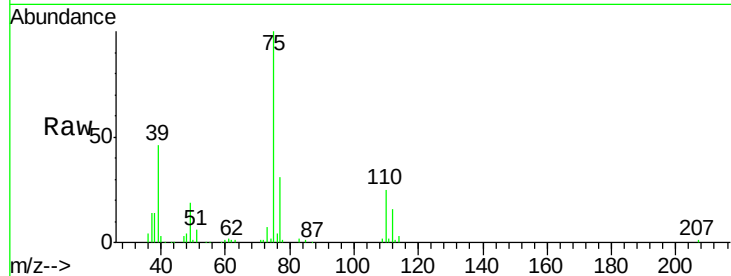
#53
t-1,3-Dichloropropene
Concen: 50.833 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

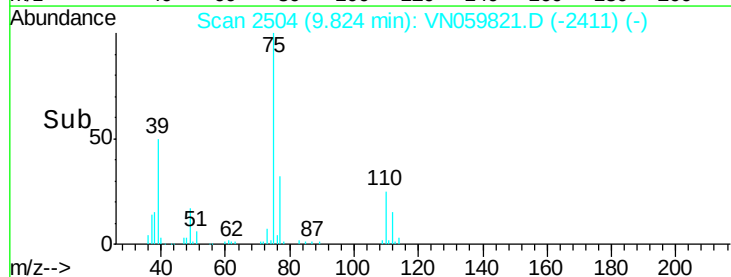
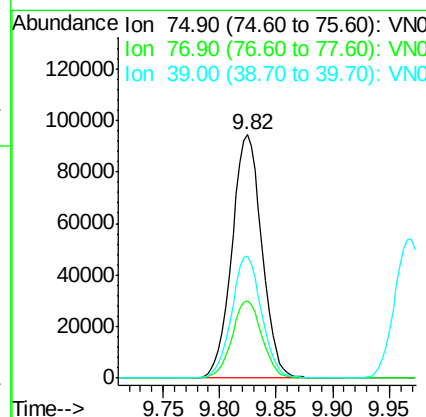
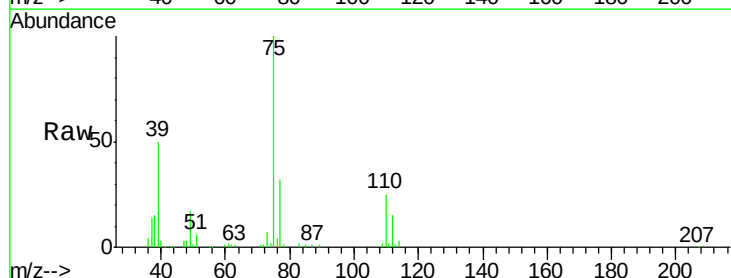
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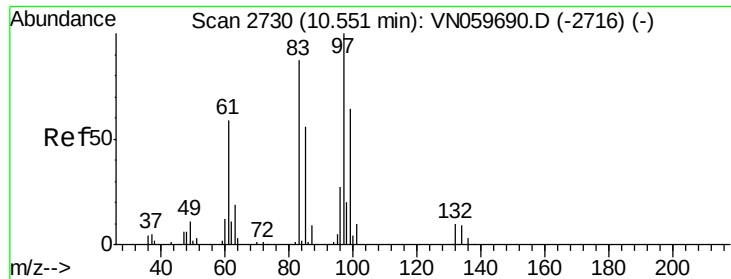
MMDadoda
1/24/2020 10:14:31 AM



#54
cis-1,3-Dichloropropene
Concen: 50.366 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	50.3	46.1	69.1





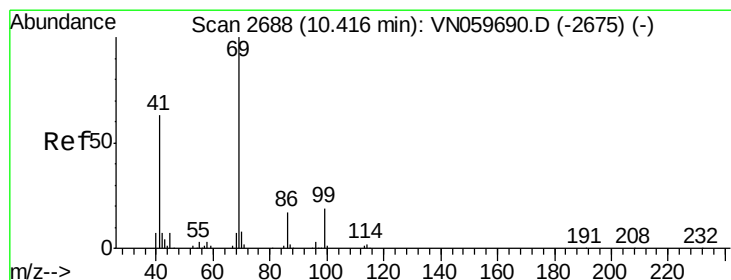
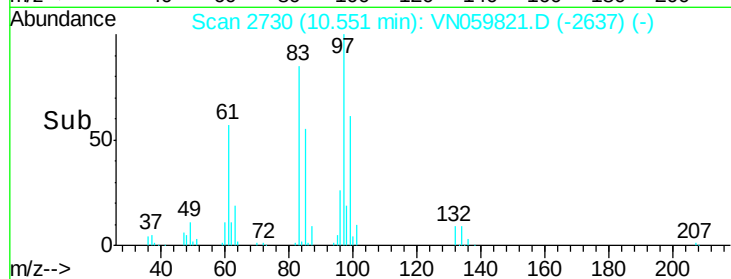
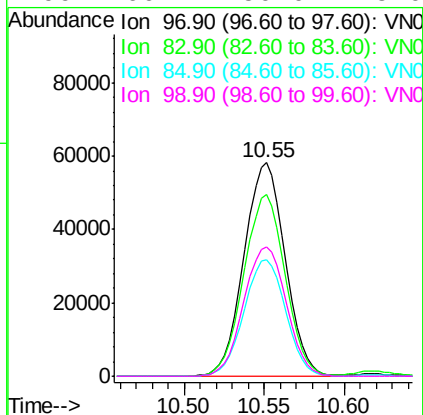
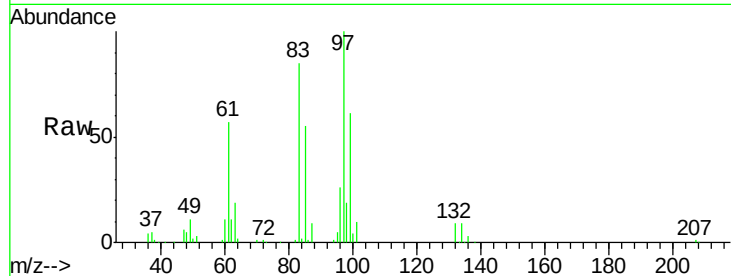
#55
 1,1,2-Trichloroethane
 Concen: 49.000 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.3	106.9
85	54.5	45.8	68.8
99	60.7	50.0	75.0

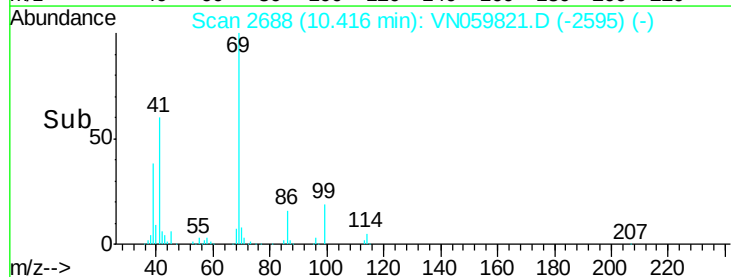
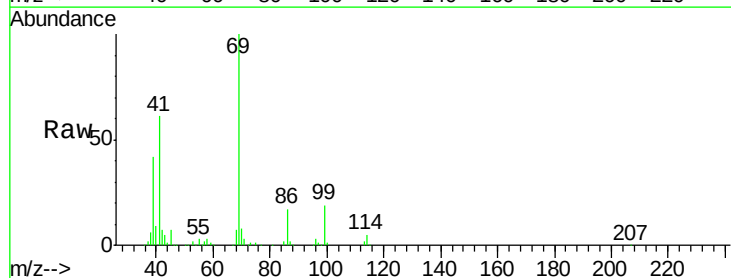
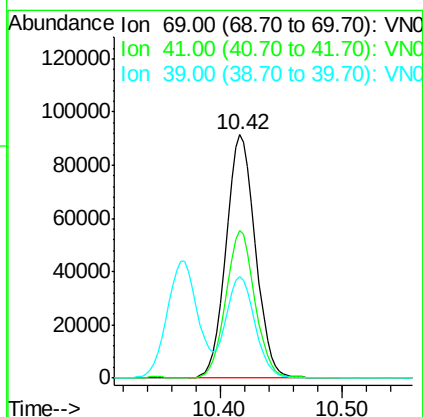
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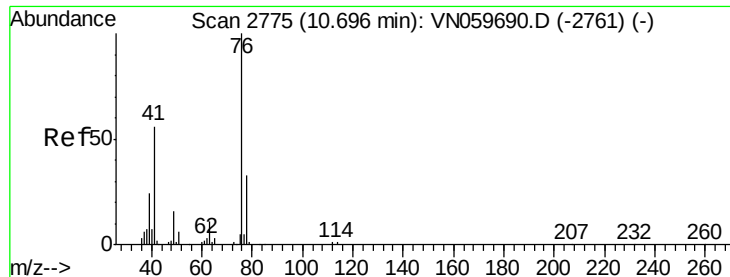
MMDadoda
 1/24/2020 10:14:31 AM



#56
 Ethyl methacrylate
 Concen: 48.078 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.8	57.1	85.7
39	41.5	34.7	52.1





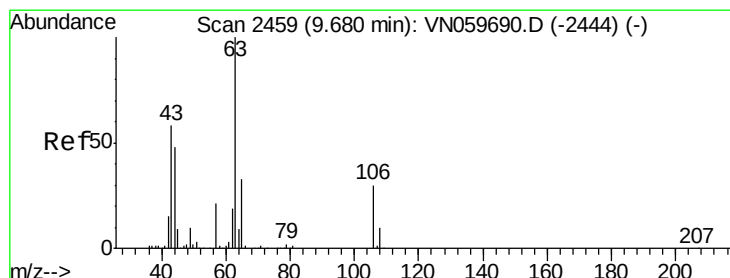
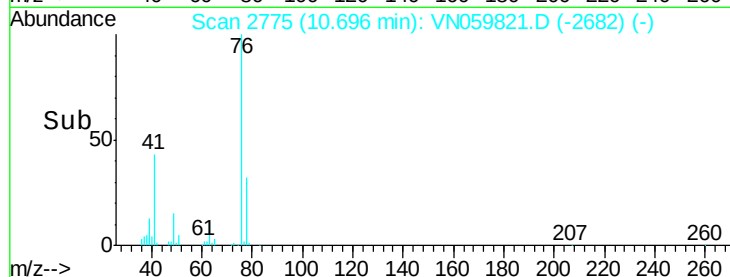
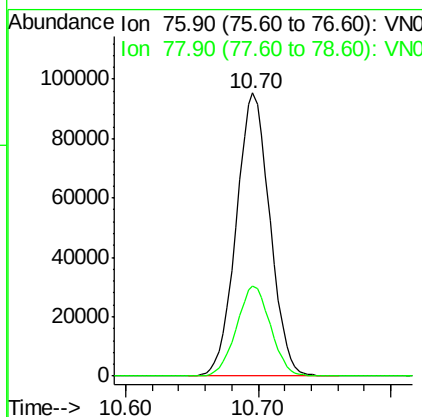
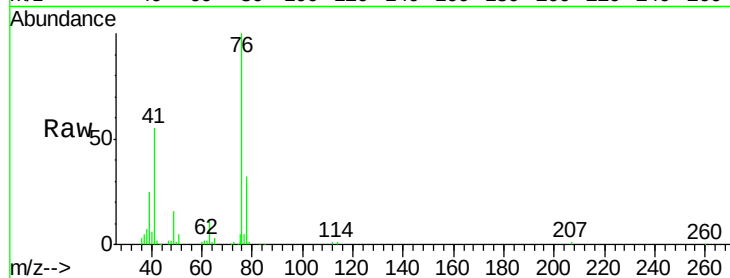
#57
 1,3-Dichloropropane
 Concen: 50.473 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

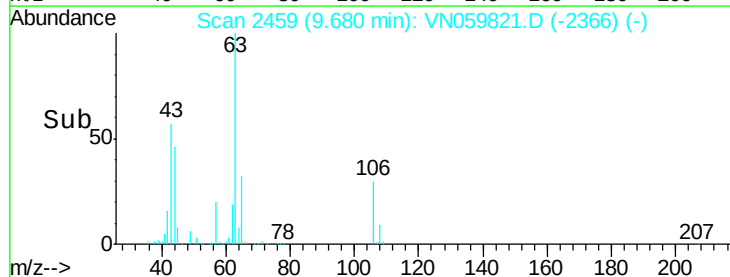
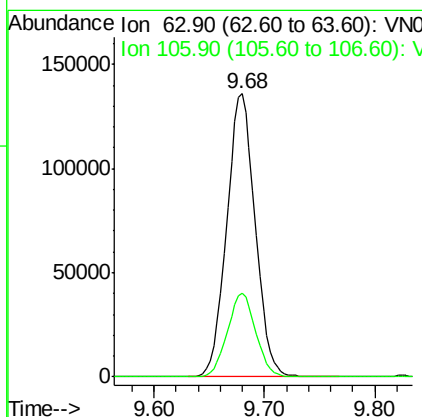
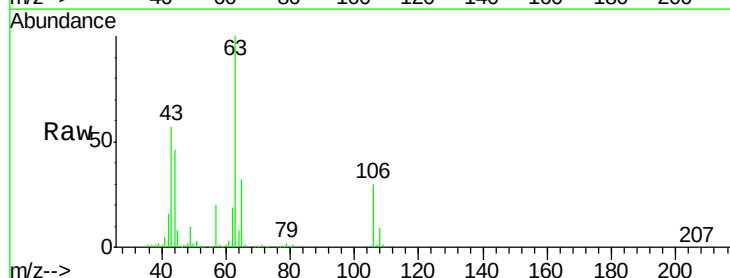
Manual Integrations
 APPROVED

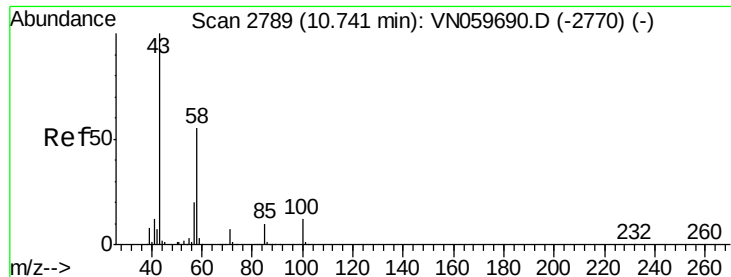
MMDadoda
 1/24/2020 10:14:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.248 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	20.2	30.2





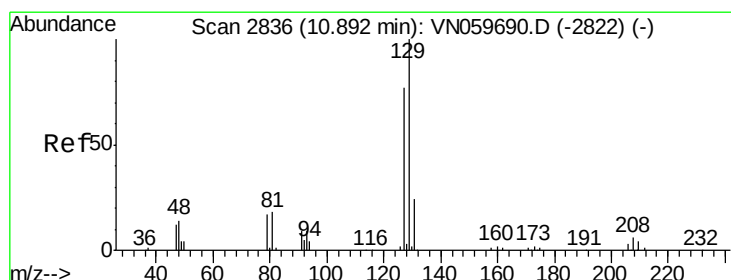
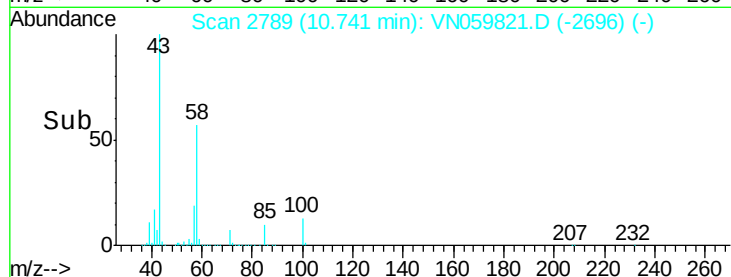
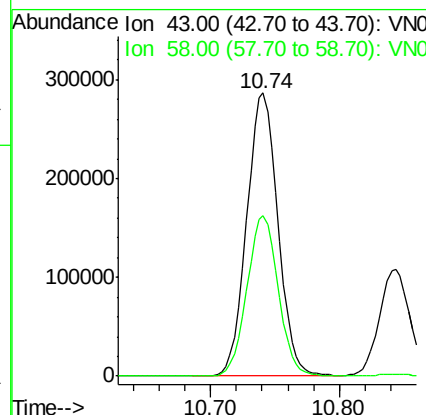
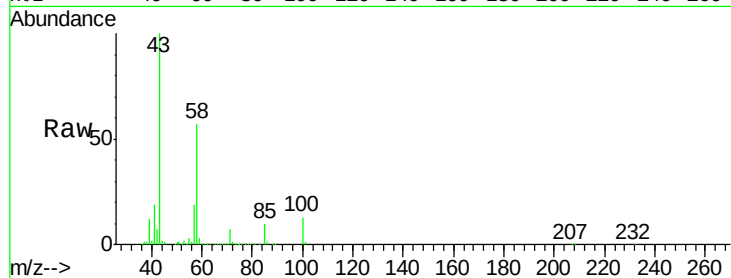
#59
2-Hexanone
Concen: 251.188 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 483767
Ion Ratio Lower Upper
43 100
58 56.5 25.8 77.3

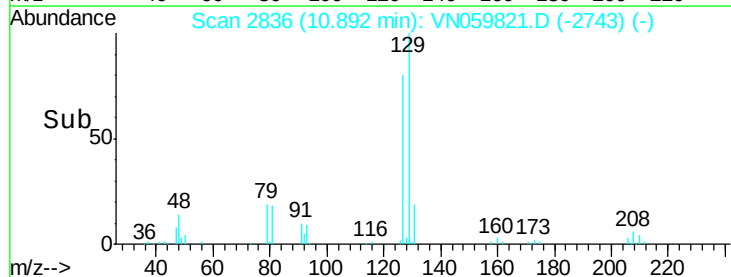
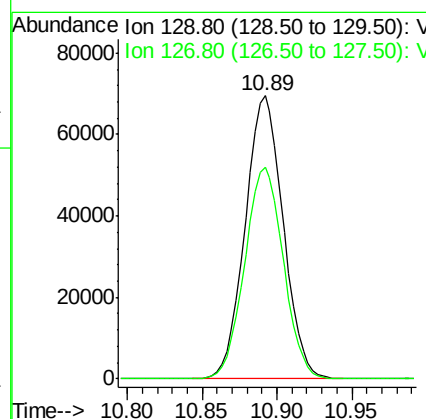
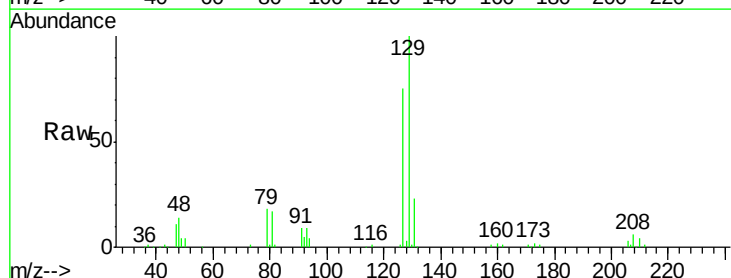
Manual Integrations
APPROVED

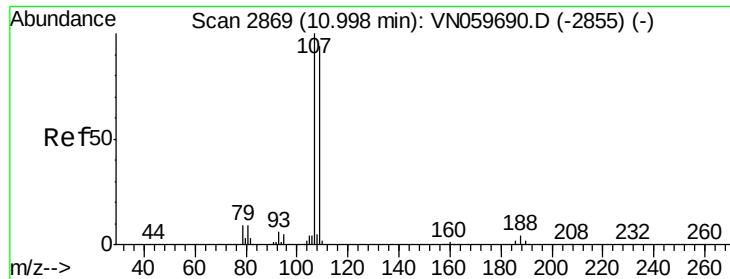
MMDadoda
1/24/2020 10:14:31 AM



#60
Dibromochloromethane
Concen: 51.573 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion: 129 Resp: 122833
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.895 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 109376

Ion Ratio Lower Upper

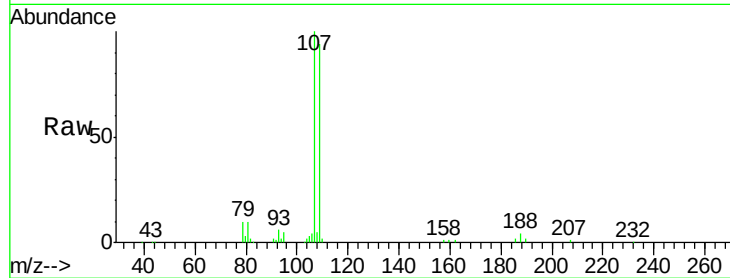
107 100

109 94.5 76.6 115.0

Manual Integrations
APPROVED

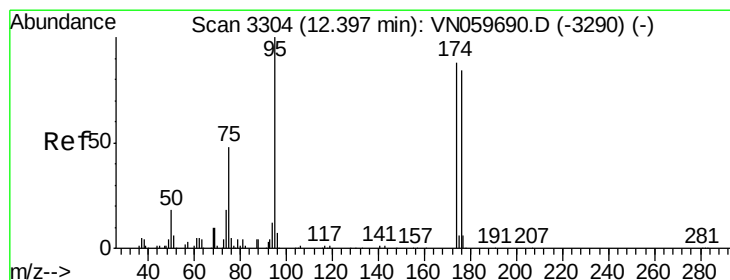
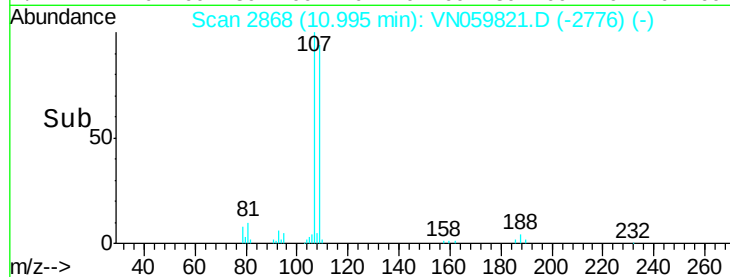
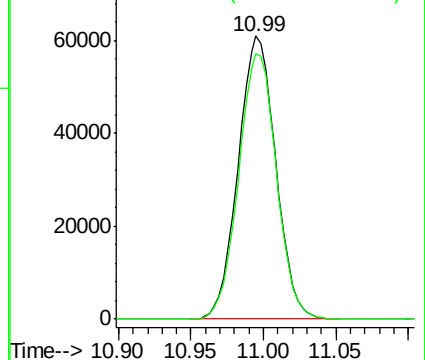
MMDadoda

1/24/2020 10:14:31 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.442 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

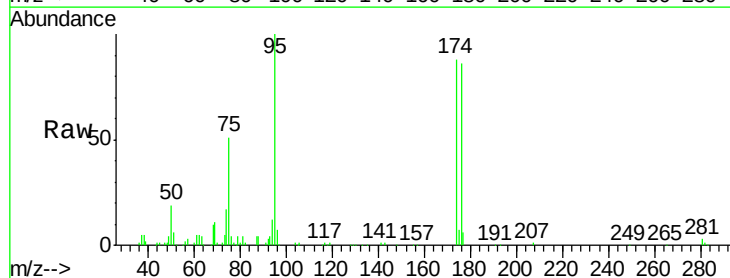
Tgt Ion: 95 Resp: 137932

Ion Ratio Lower Upper

95 100

174 87.7 0.0 151.4

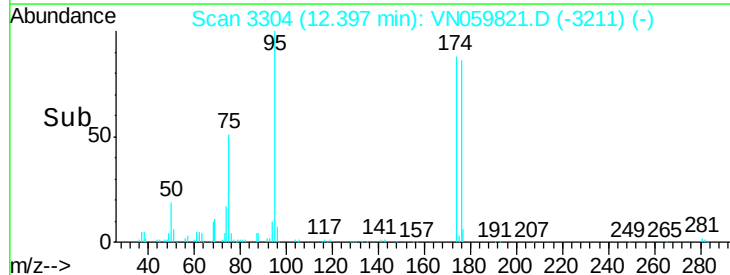
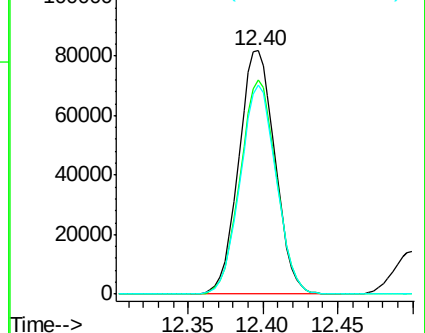
176 85.5 0.0 146.0

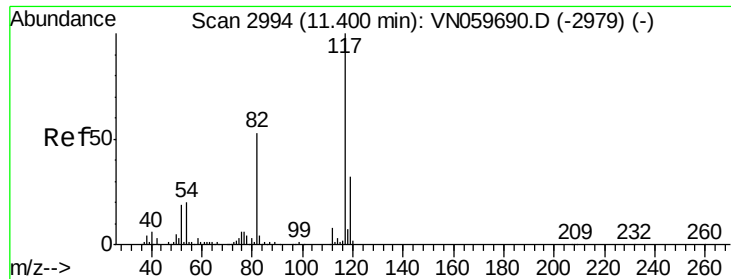


Abundance Ion 94.90 (94.60 to 95.60): VN

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





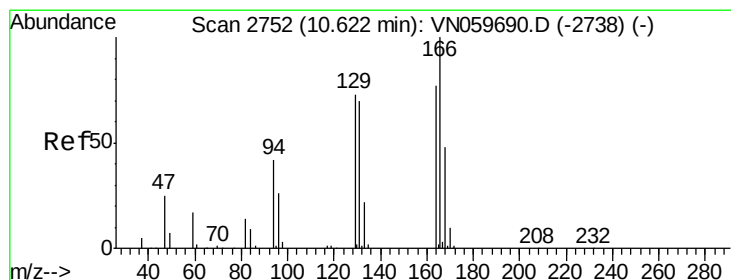
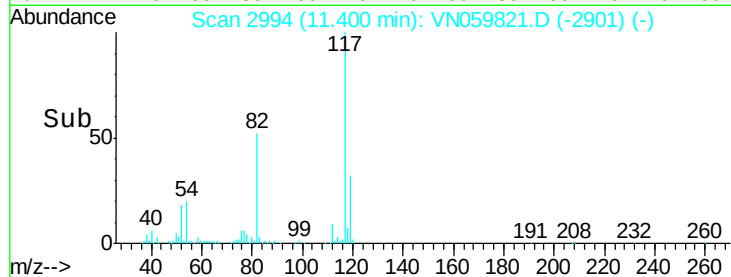
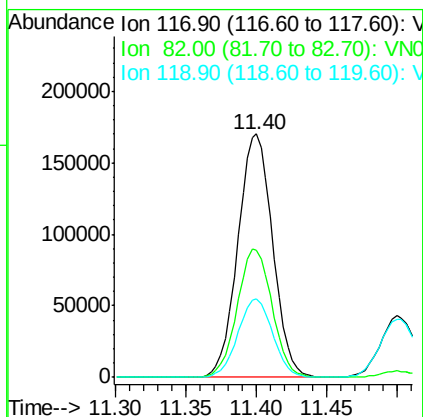
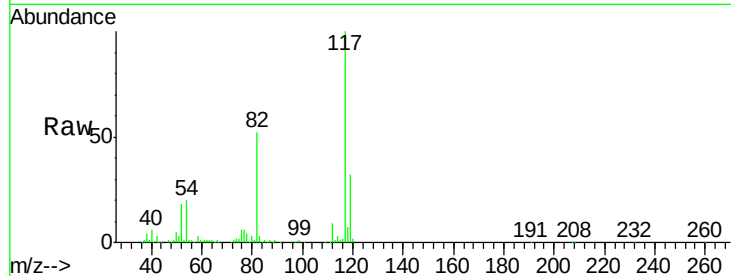
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294391		
82	52.4	45.9	68.9	
119	32.1	25.5	38.3	

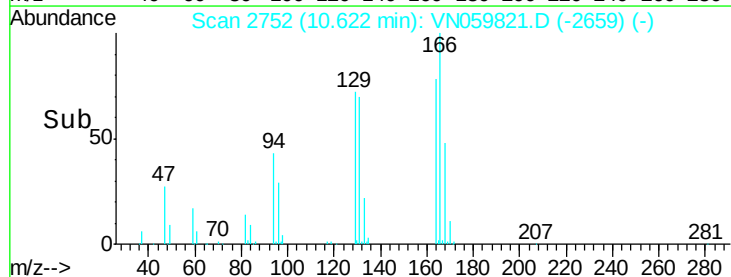
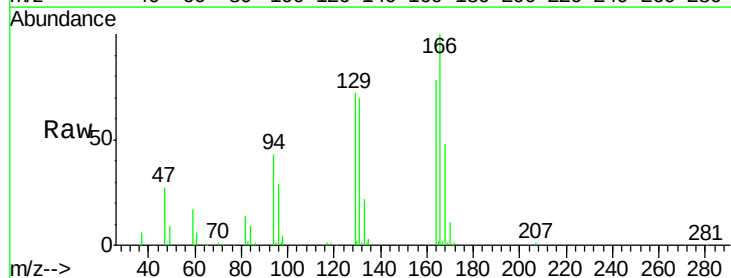
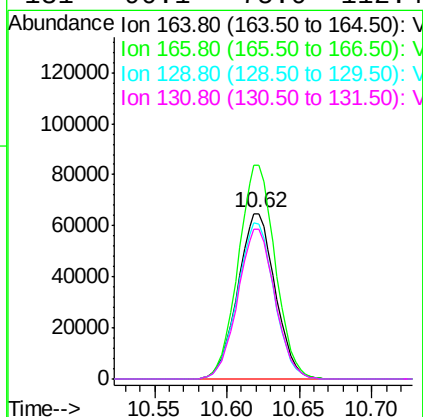
Manual Integrations
APPROVED

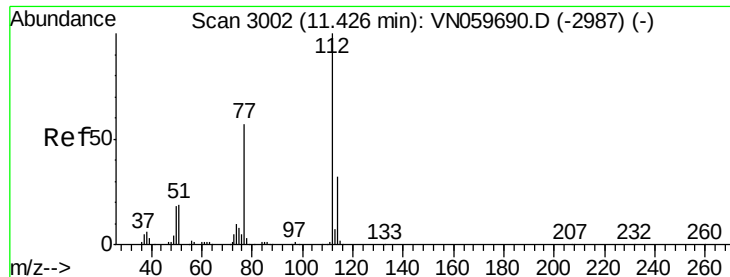
MMDadoda
1/24/2020 10:14:31 AM



#64
Tetrachloroethene
Concen: 48.423 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116181		
166	128.9	101.4	152.0	
129	93.5	80.2	120.4	
131	90.1	75.0	112.4	





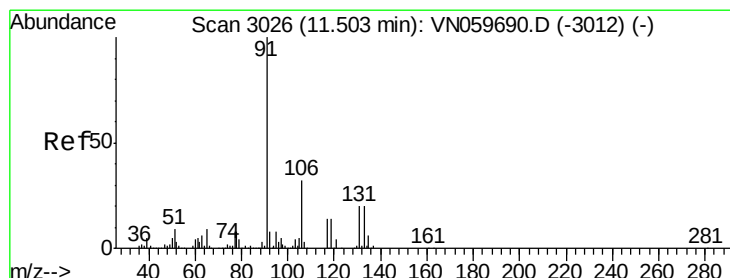
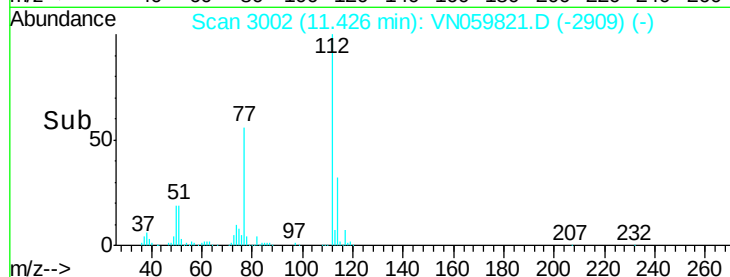
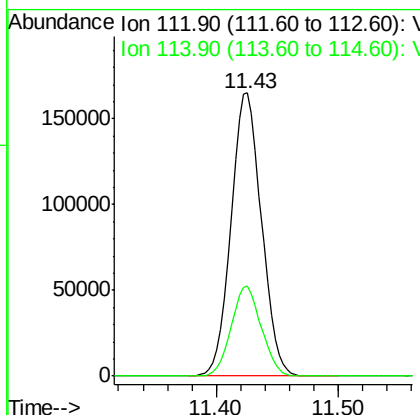
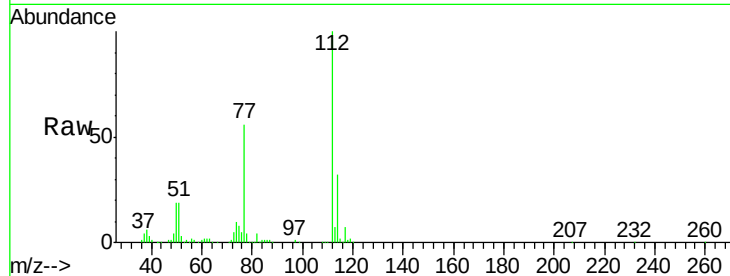
#65
Chlorobenzene
Concen: 49.380 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.8

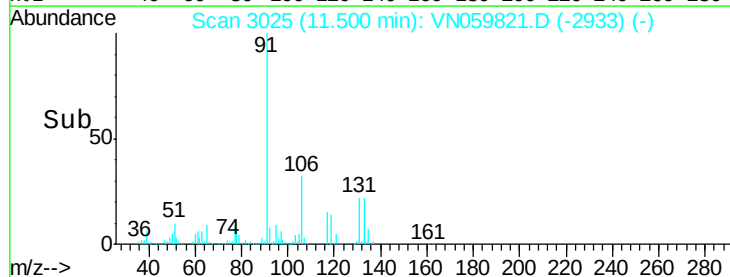
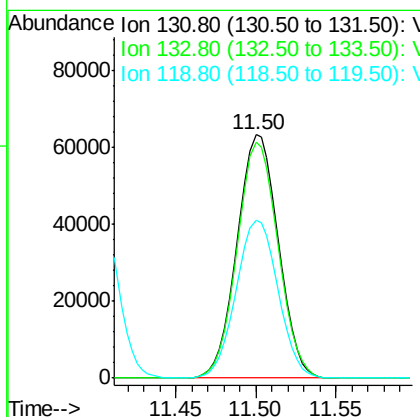
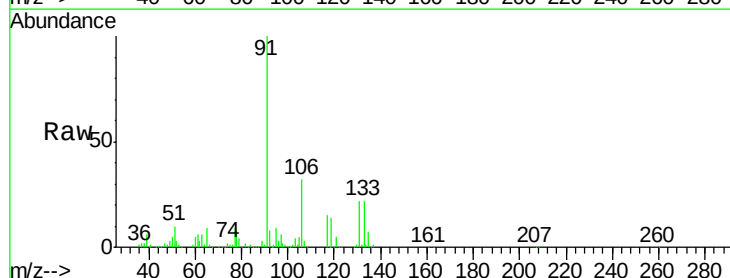
Manual Integrations
APPROVED

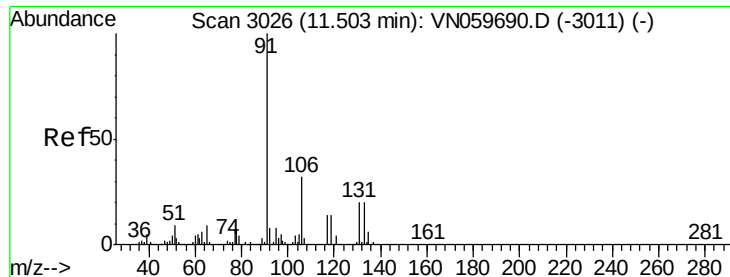
MMDadoda
1/24/2020 10:14:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.808 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.4	142.2
119	65.7	33.1	99.3





#67

Ethyl Benzene

Concen: 48.557 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 510048

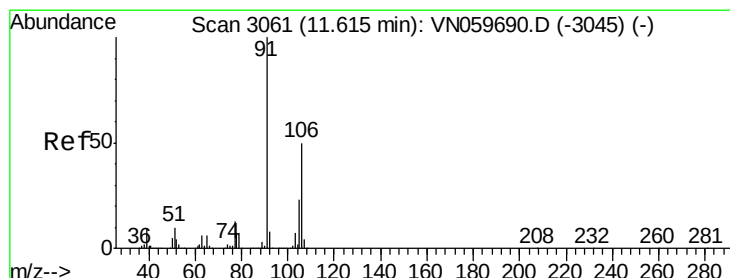
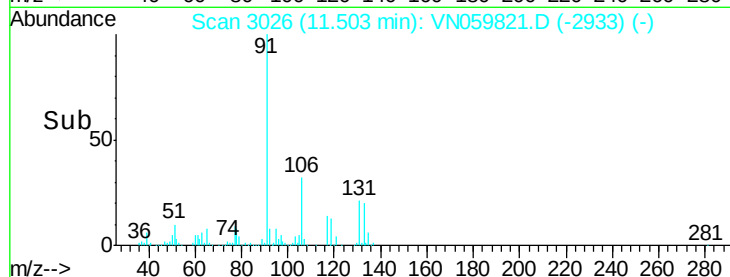
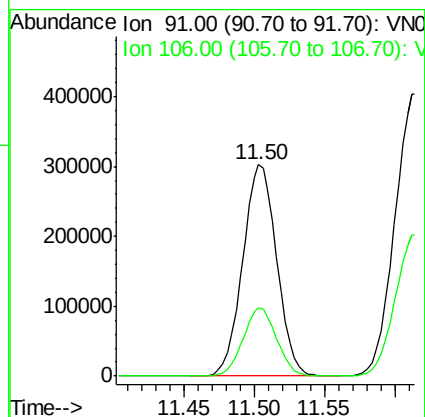
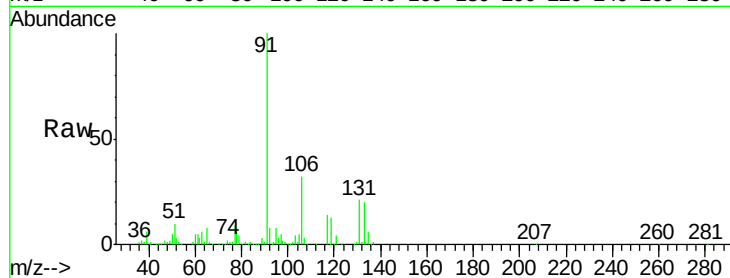
Ion Ratio Lower Upper

91 100

106 32.4 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
1/24/2020 10:14:31 AM



#68

m/p-Xylenes

Concen: 98.658 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059821.D

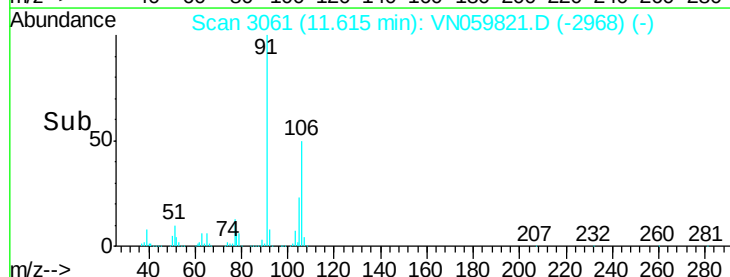
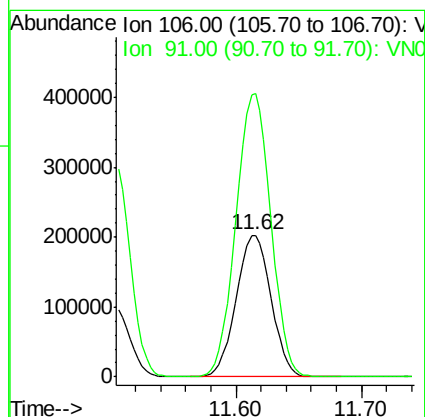
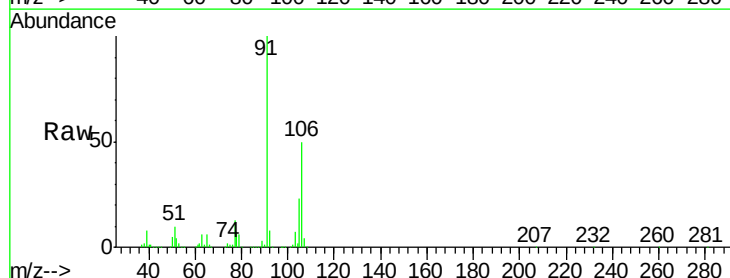
Acq: 22 Jan 2020 9:46

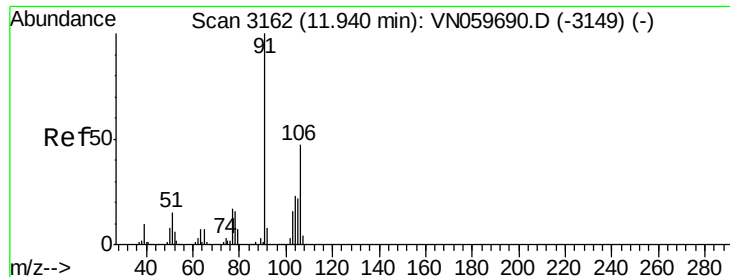
Tgt Ion: 106 Resp: 391458

Ion Ratio Lower Upper

106 100

91 199.7 167.9 251.9





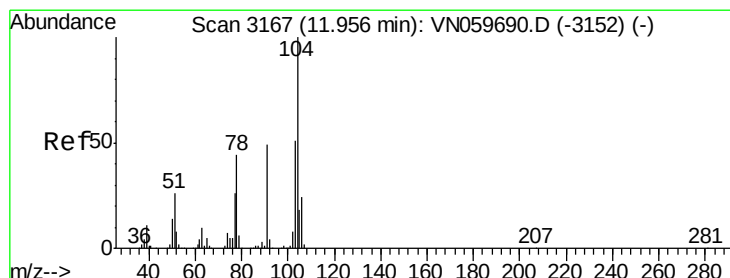
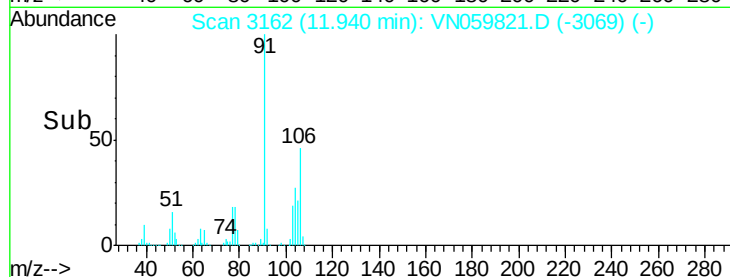
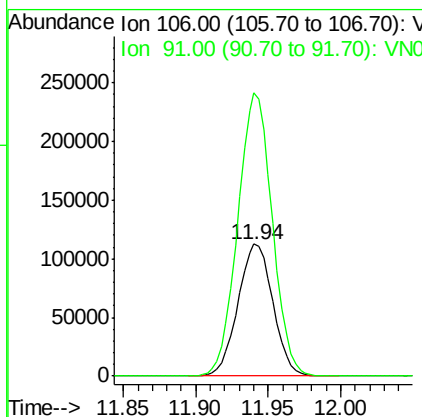
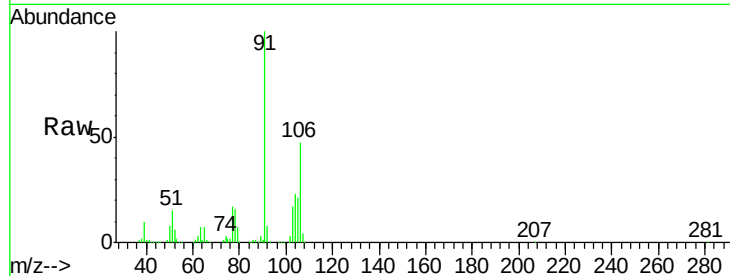
#69
o-Xylene
Concen: 48.588 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		188743		
91	211.1	110.3	330.9		

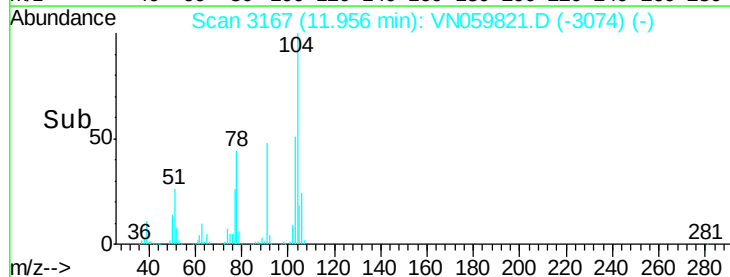
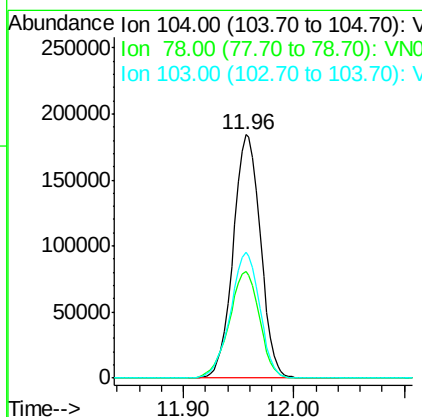
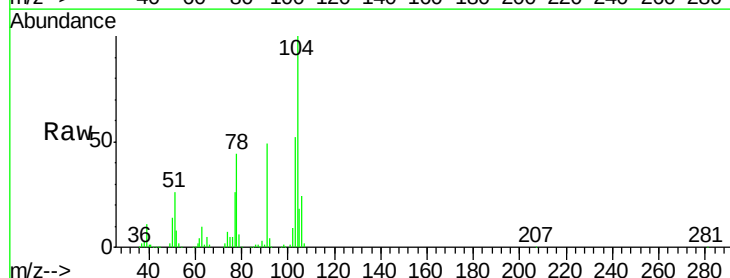
Manual Integrations
APPROVED

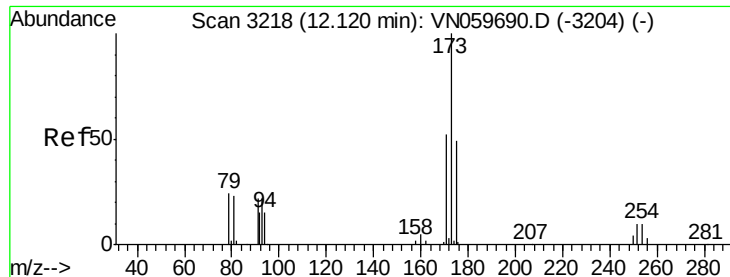
MMDadoda
1/24/2020 10:14:31 AM



#70
Styrene
Concen: 48.688 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		316480		
78	48.7	42.4	63.6		
103	55.4	43.9	65.9		





#71

Bromoform

Concen: 51.871 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 92898

Ion Ratio Lower Upper

173 100

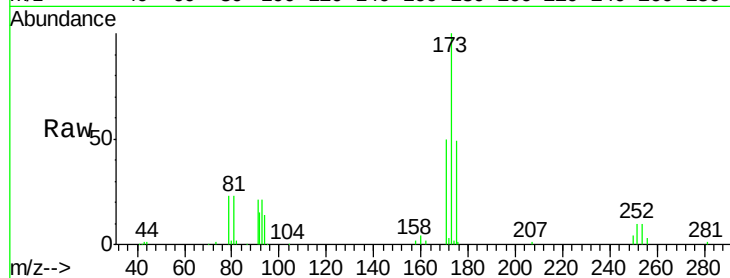
175 48.5 23.8 71.4

254 0.0 0.0 0.0

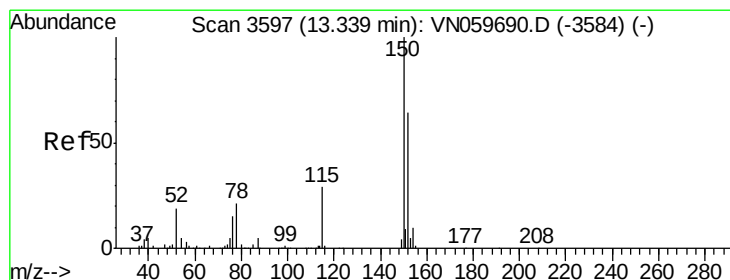
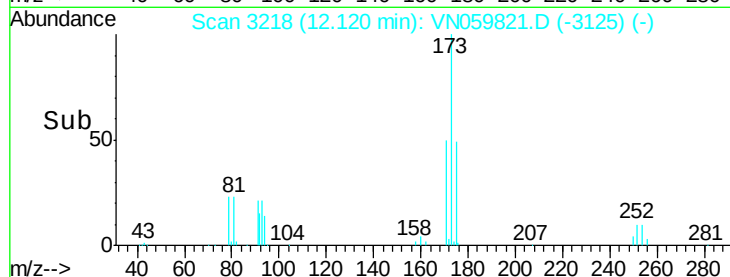
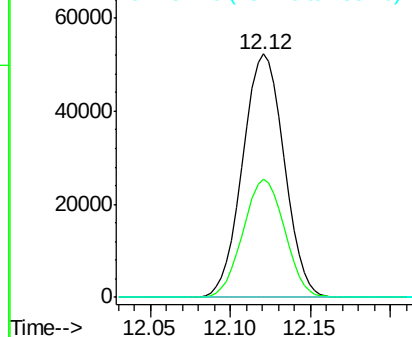
Manual Integrations
APPROVED

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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: VN059821.D

Acq: 22 Jan 2020 9:46

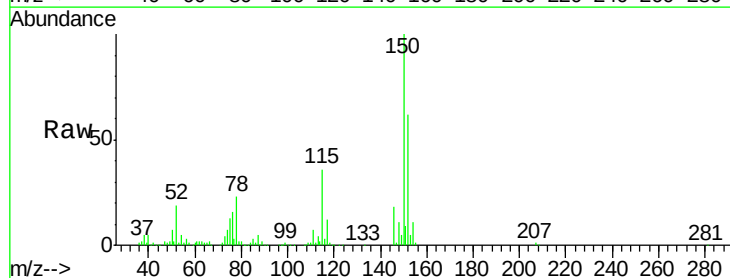
Tgt Ion:152 Resp: 143863

Ion Ratio Lower Upper

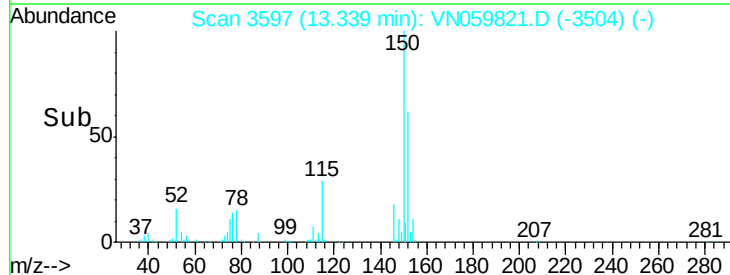
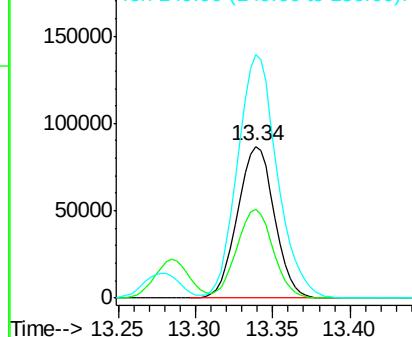
152 100

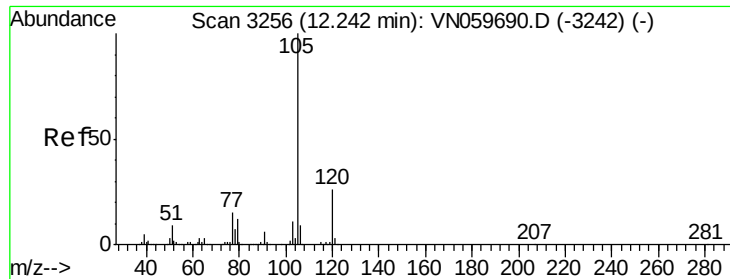
115 57.8 30.3 90.9

150 173.0 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





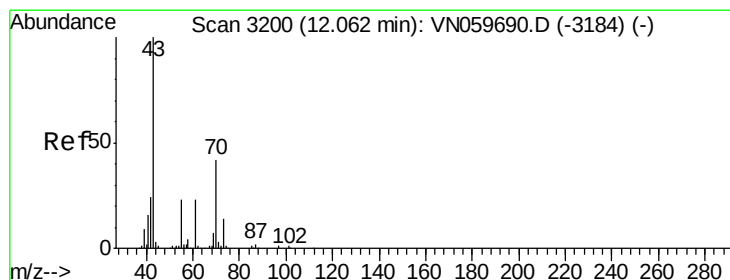
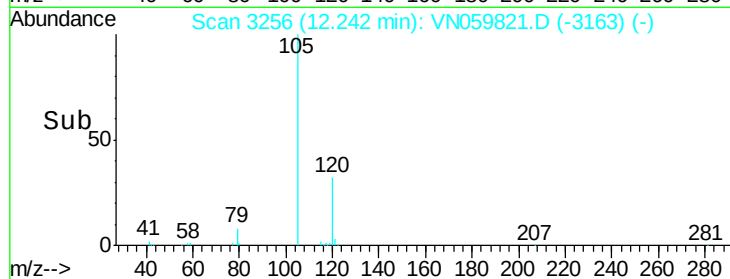
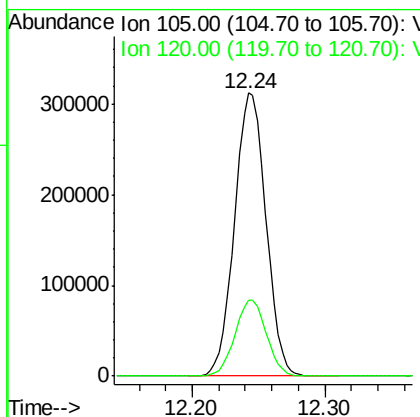
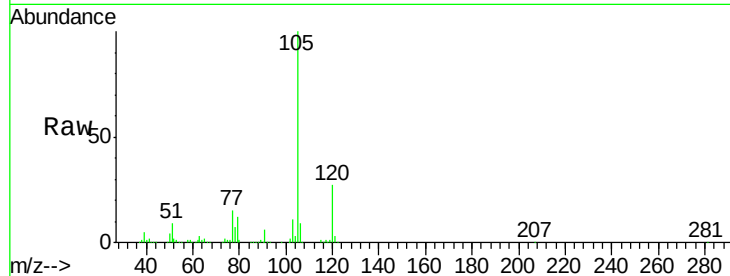
#73
Isopropylbenzene
Concen: 48.469 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.5

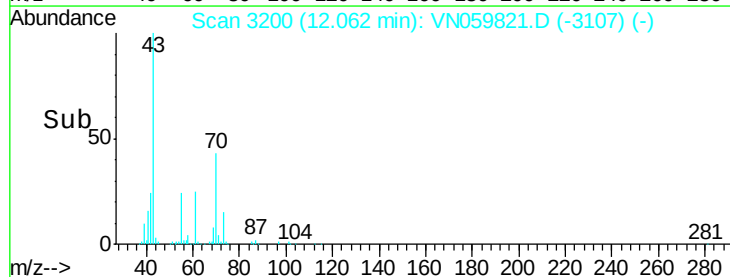
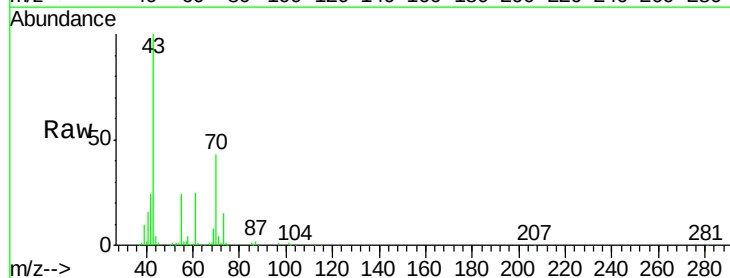
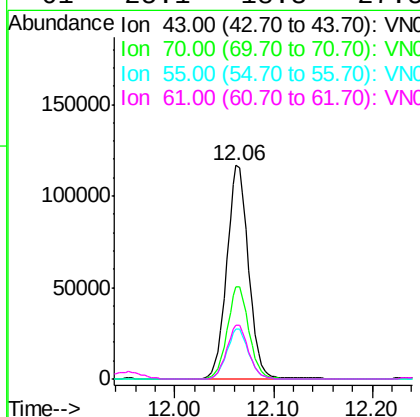
Manual Integrations
APPROVED

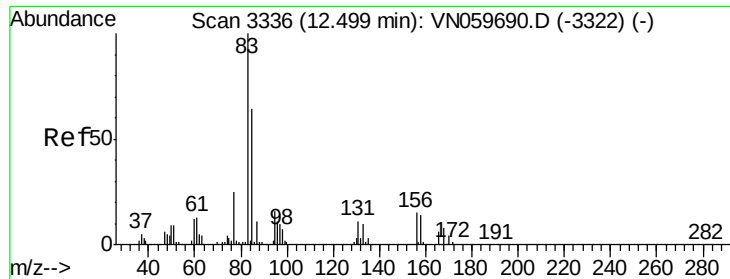
MMDadoda
1/24/2020 10:14:31 AM



#74
N-ethyl acetate
Concen: 44.348 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.8	31.3	46.9
55	23.3	19.8	29.6
61	25.1	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.670 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

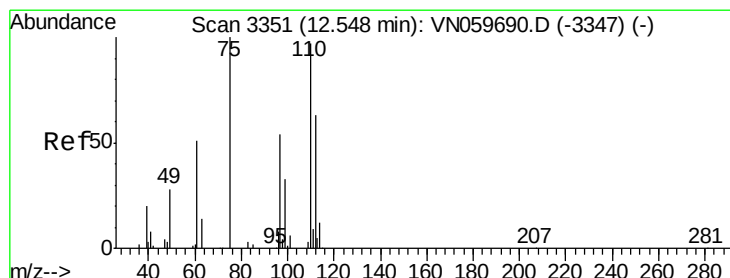
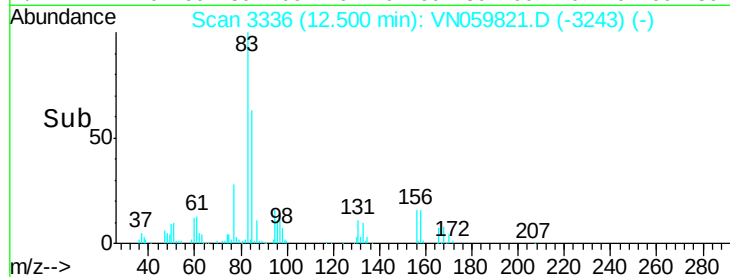
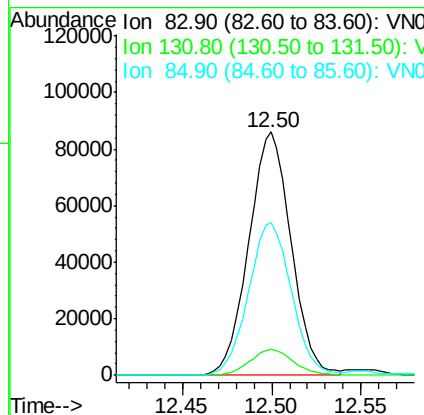
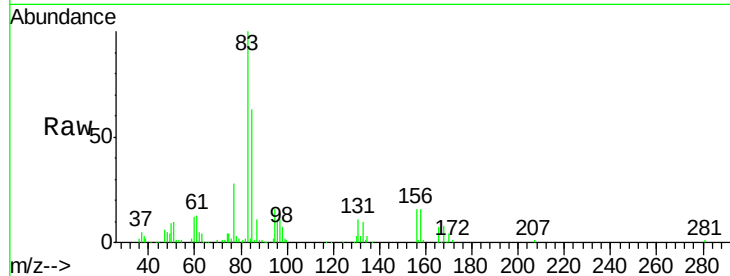
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142750
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	63.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.300 ug/l m

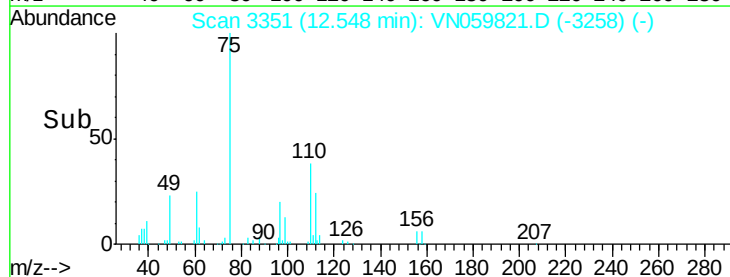
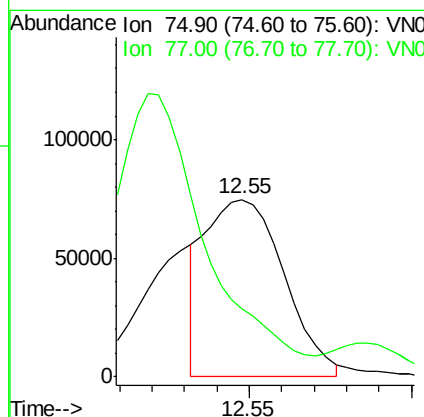
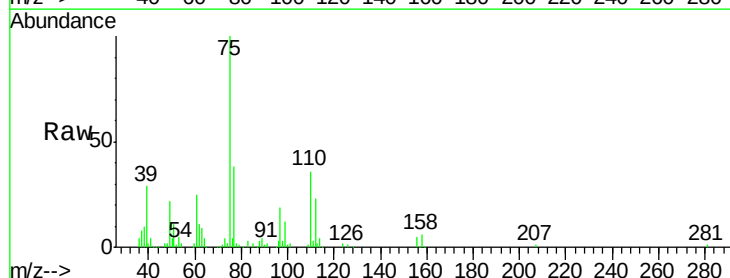
RT: 12.55 min Scan# 3351

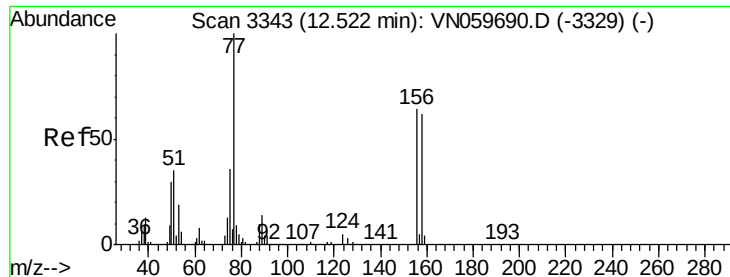
Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Tgt Ion:	75	Resp:	126623
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.519 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

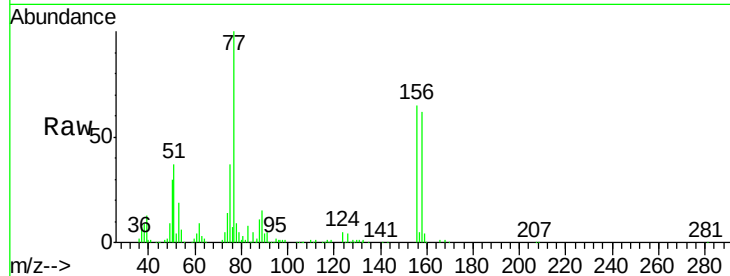
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	129637
Ion Ratio	Lower	Upper	
156	100		
77	188.2	115.8	347.4
158	97.7	49.2	147.6

Manual Integrations
APPROVED

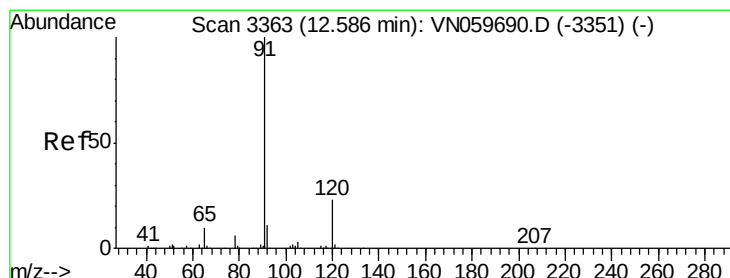
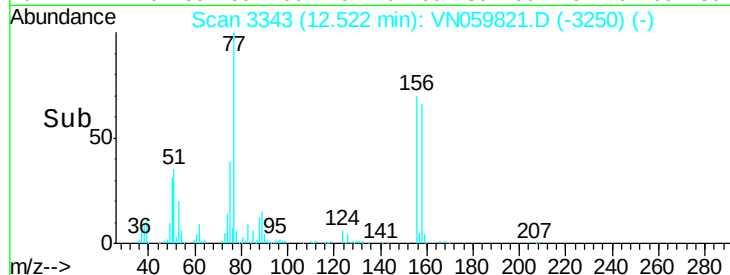
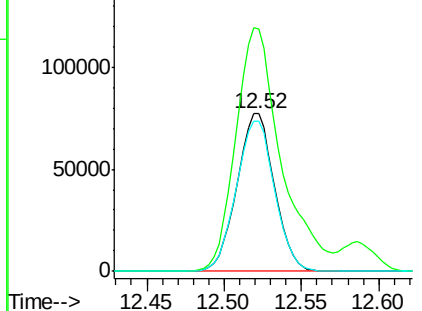
MMDadoda
1/24/2020 10:14:31 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.683 ug/l

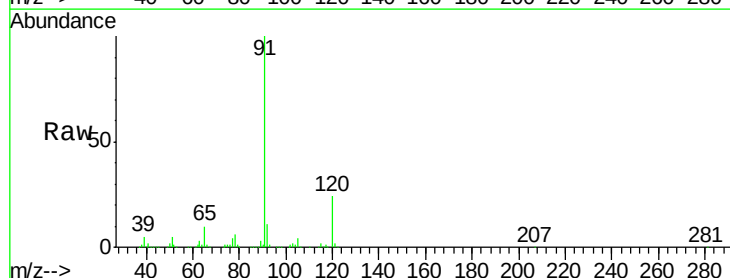
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059821.D

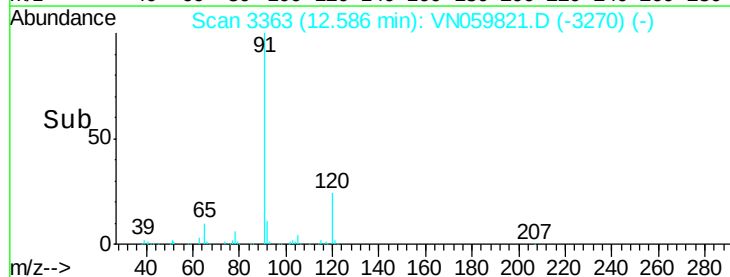
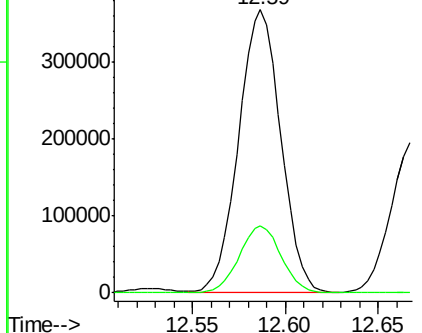
Acq: 22 Jan 2020 9:46

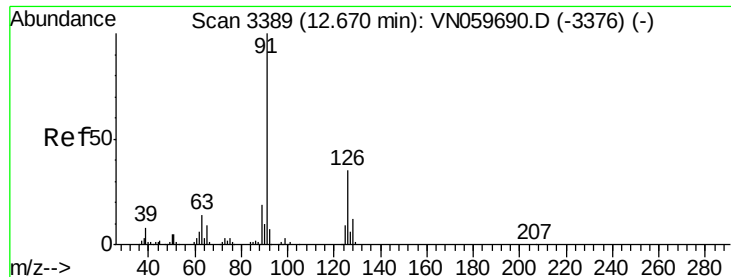
Tgt Ion:	91	Resp:	576521
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.316 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 33337

Ion Ratio Lower Upper

91 100

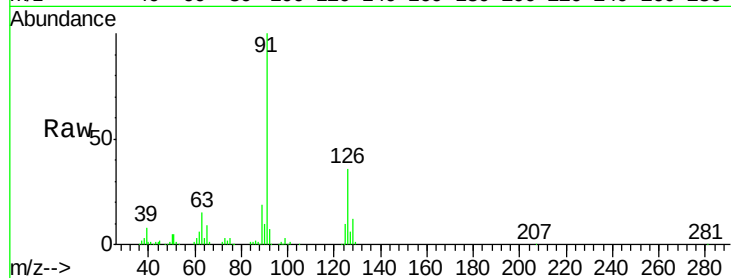
126 36.0 16.3 48.9

Manual Integrations

APPROVED

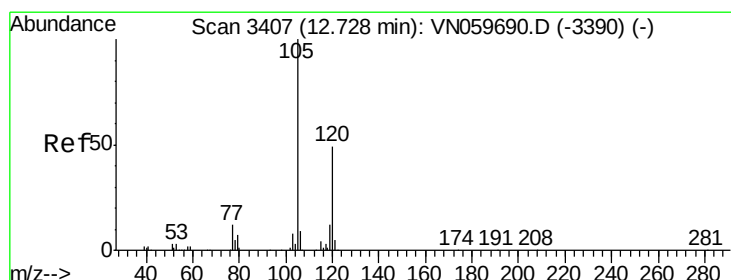
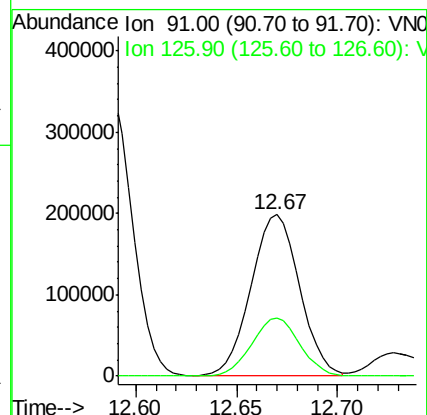
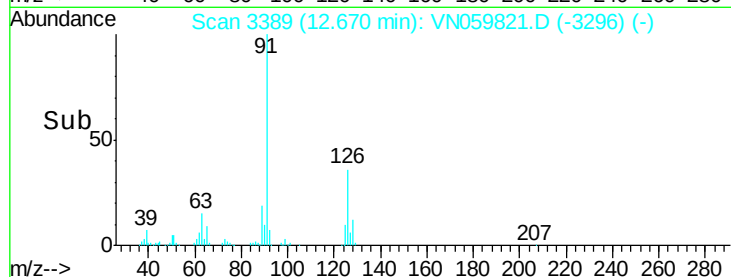
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Abundance Ion 91.00 (90.70 to 91.70): VN059821.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN059821.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.517 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059821.D

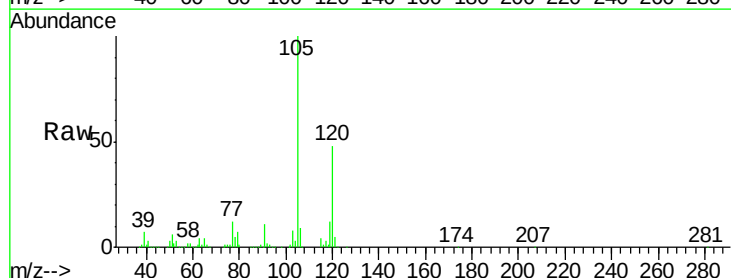
Acq: 22 Jan 2020 9:46

Tgt Ion: 105 Resp: 430502

Ion Ratio Lower Upper

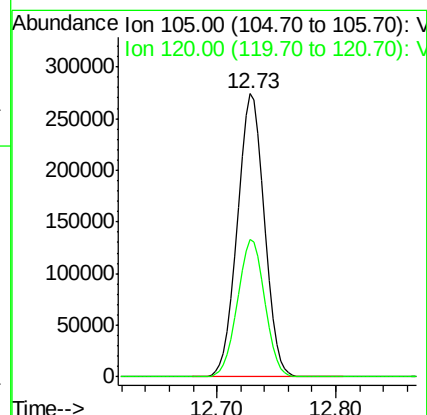
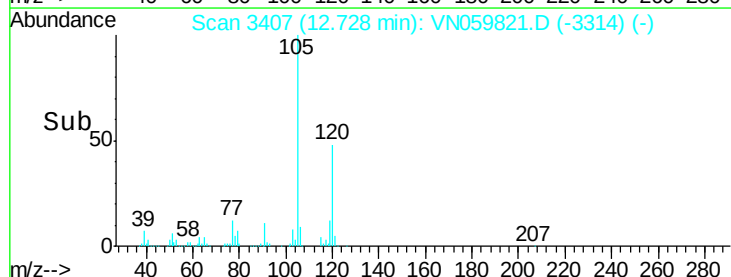
105 100

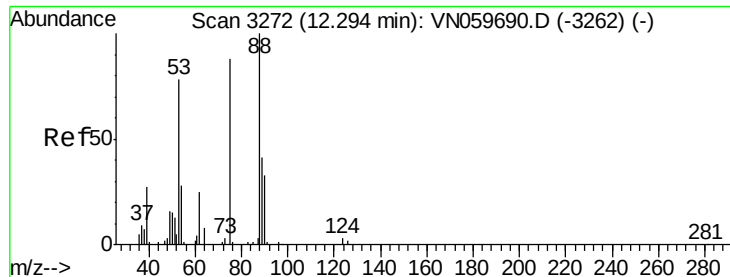
120 49.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059821.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059821.D (-3314) (-)





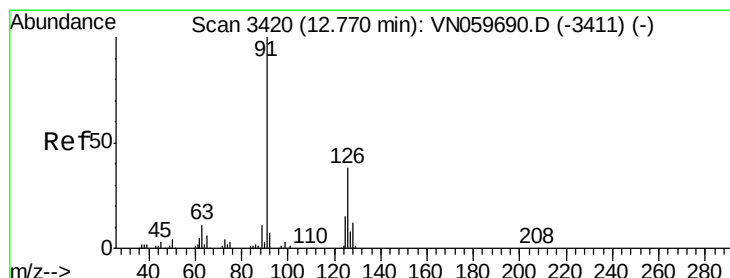
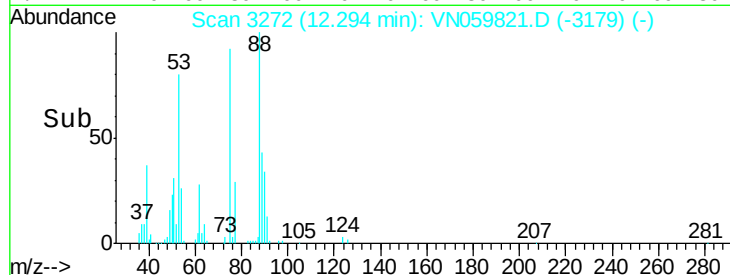
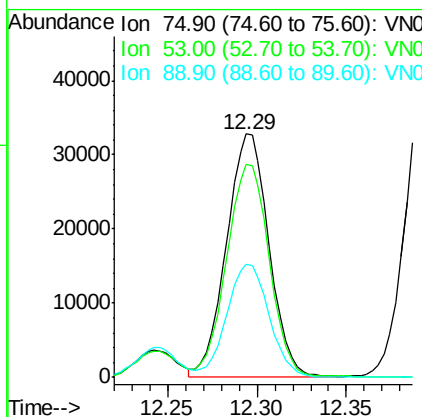
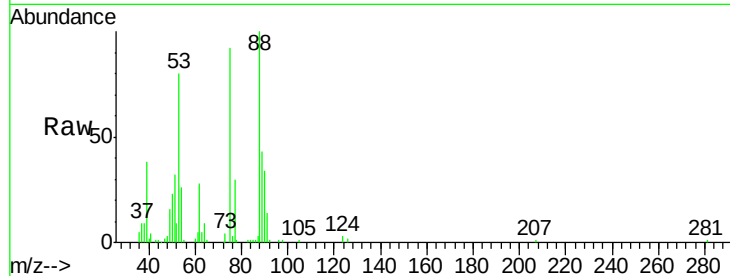
#81
trans-1,4-Dichloro-2-butene
Concen: 48.329 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.0	78.1	117.1
89	46.2	35.4	53.2

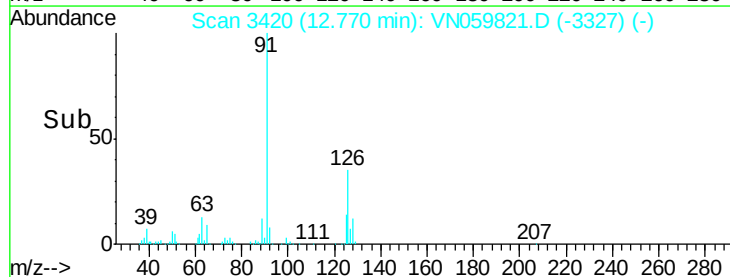
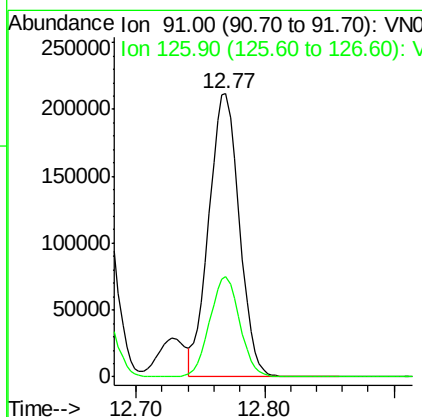
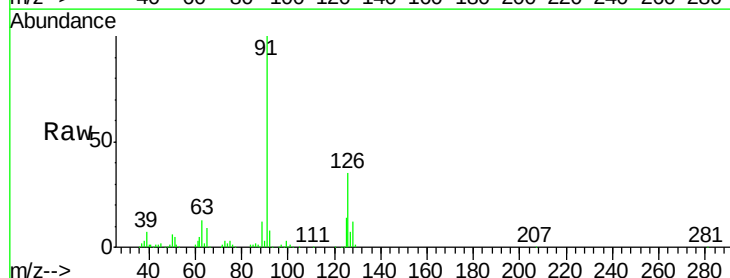
Manual Integrations
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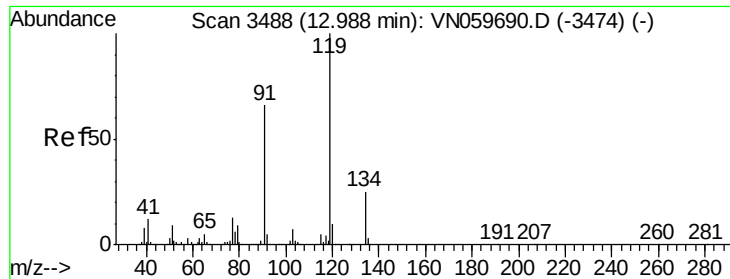
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.996 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.3	48.8





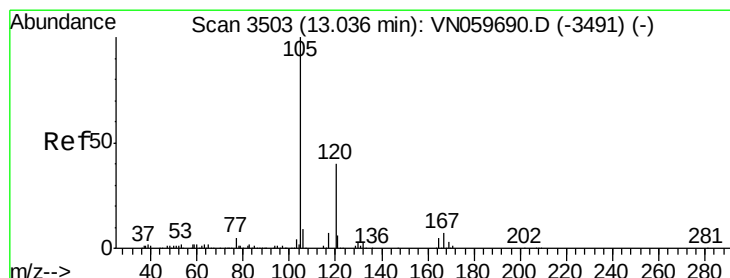
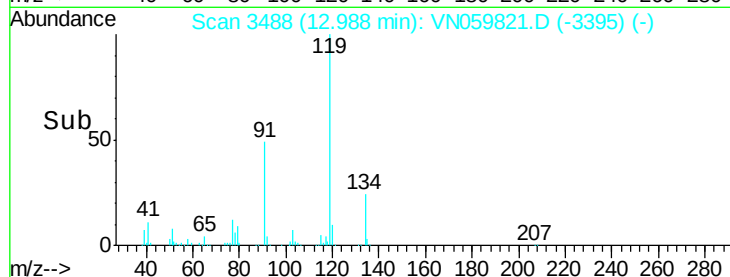
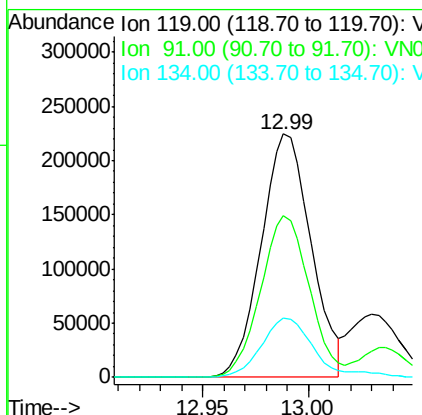
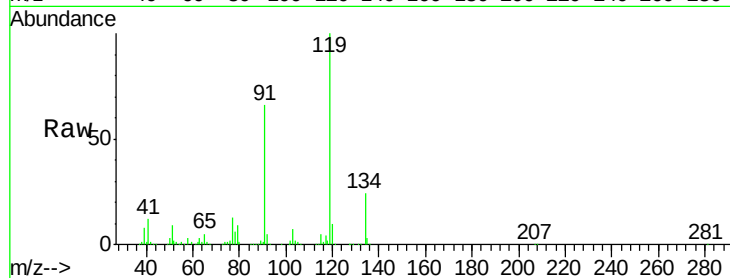
#83
 tert-Butylbenzene
 Concen: 48.143 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	34.8	104.4
134	25.7	12.3	36.9

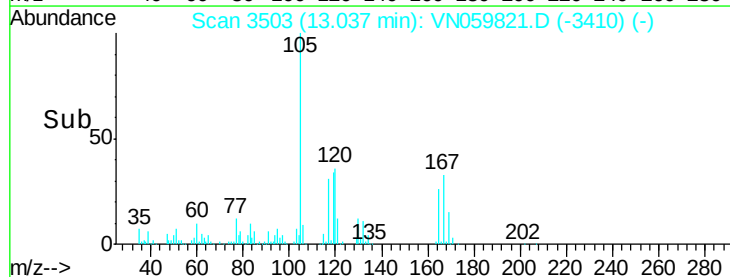
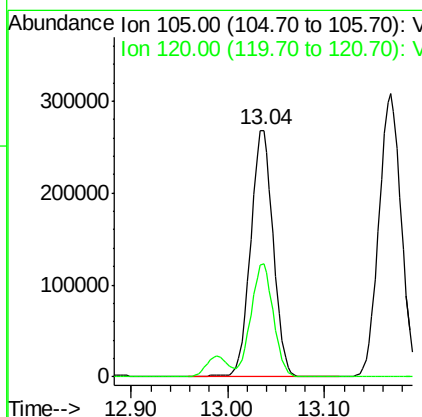
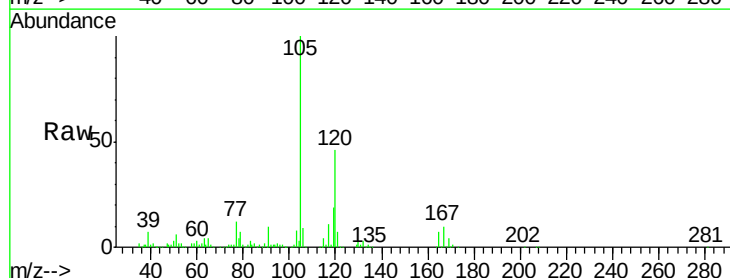
Manual Integrations
 APPROVED

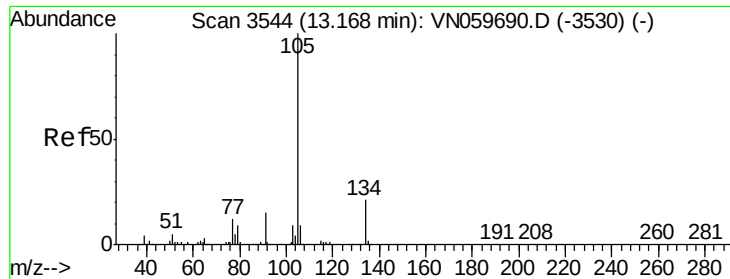
MMDadoda
 1/24/2020 10:14:31 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.510 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.9





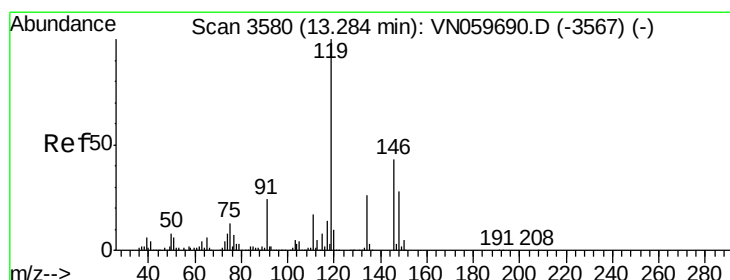
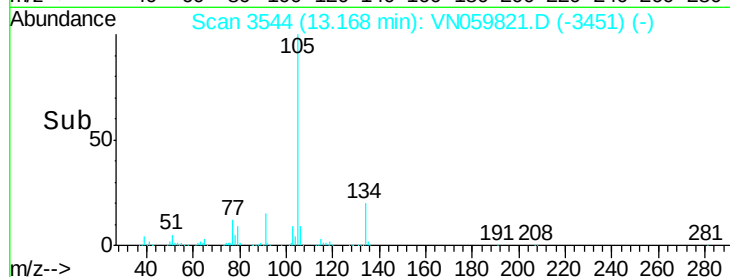
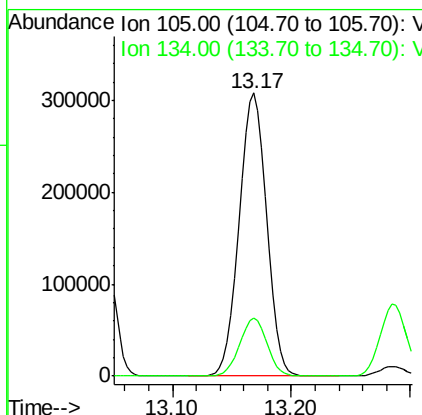
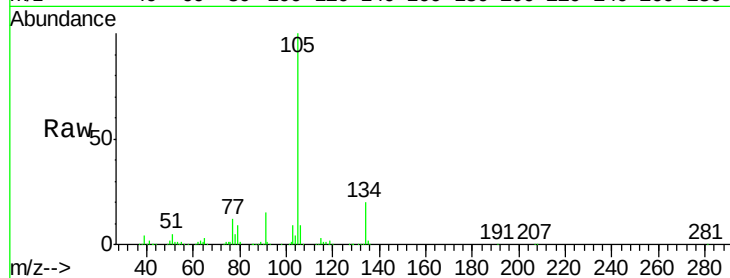
#85
 sec-Butylbenzene
 Concen: 48.912 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.5

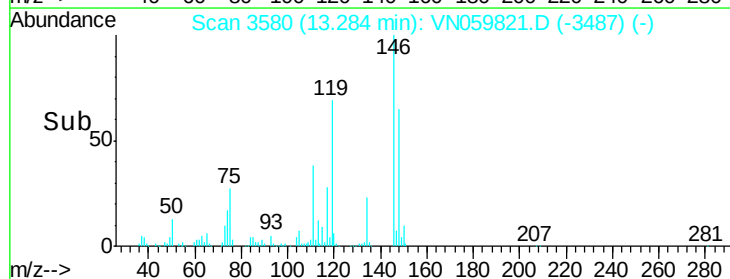
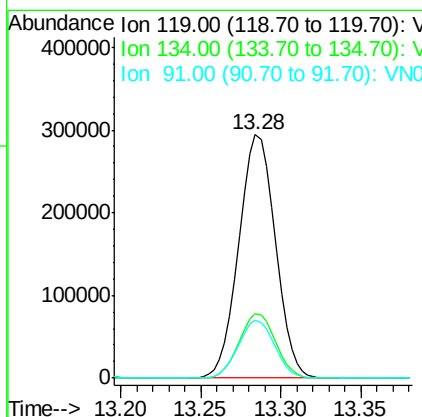
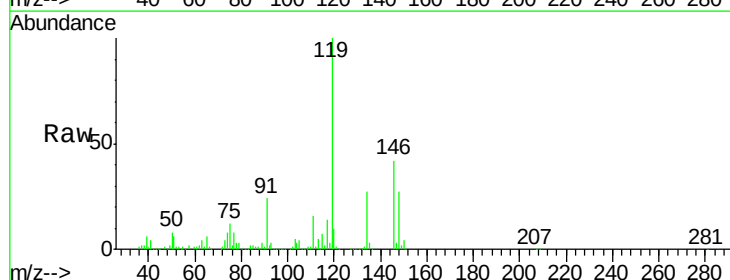
Manual Integrations
 APPROVED

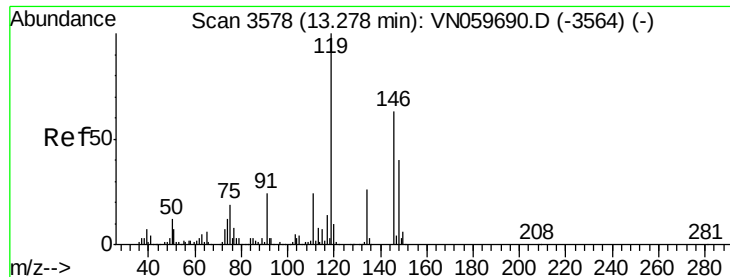
MMDadoda
 1/24/2020 10:14:31 AM



#86
 p-Isopropyltoluene
 Concen: 48.969 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.7
91	23.8	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 50.424 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059821.D

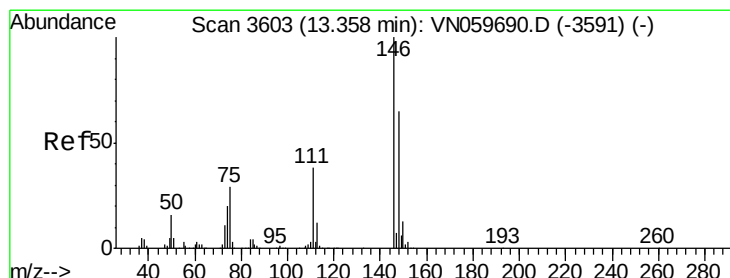
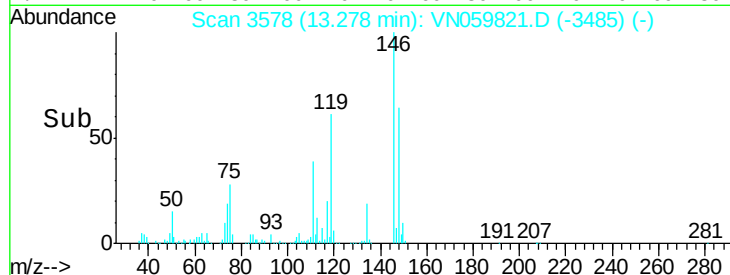
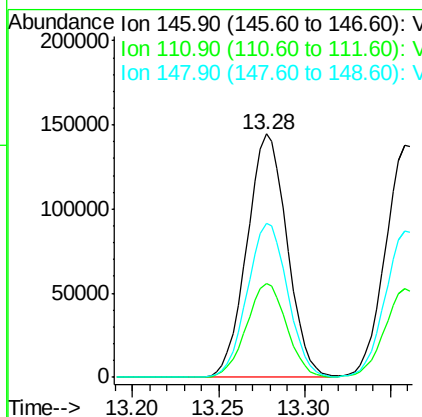
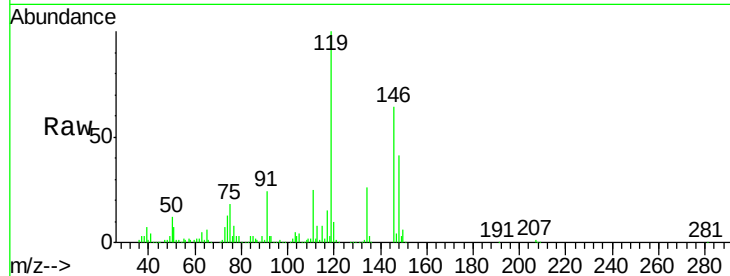
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.8	62.2
148	63.9	32.0	96.0

Manual Integrations
APPROVED

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1/24/2020 10:14:31 AM



#88

1,4-Dichlorobenzene

Concen: 49.745 ug/l

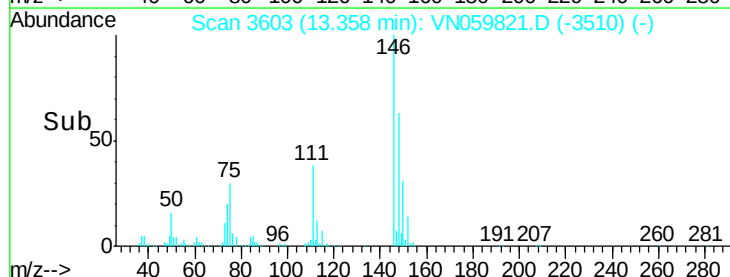
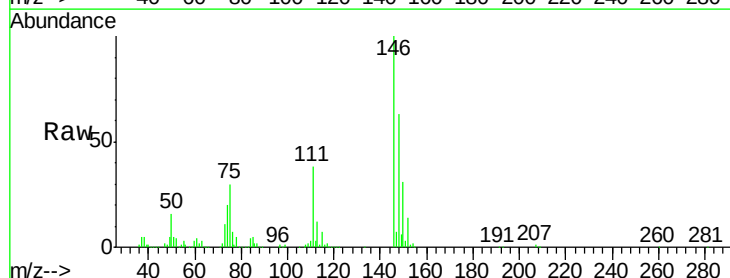
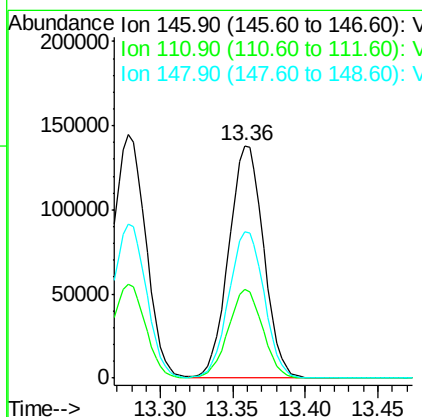
RT: 13.36 min Scan# 3603

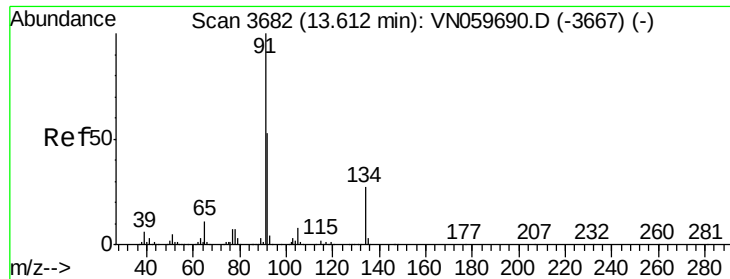
Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.8	62.2
148	64.1	31.8	95.4





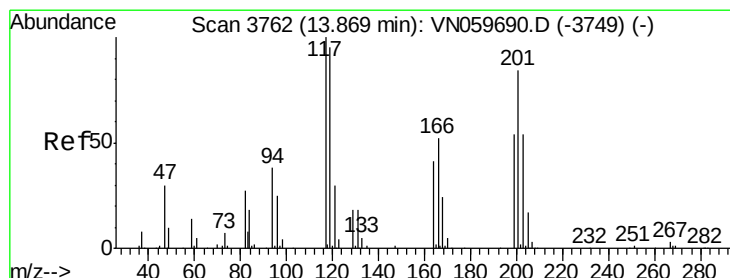
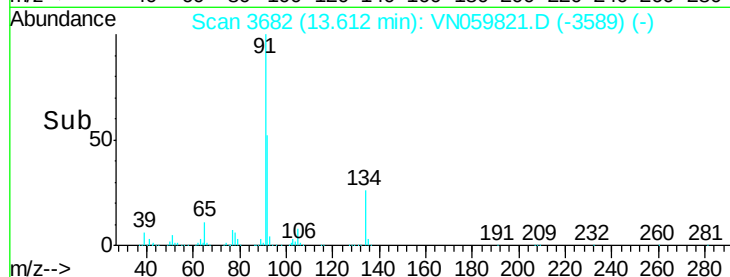
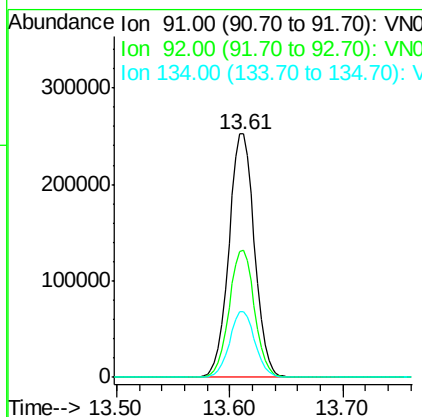
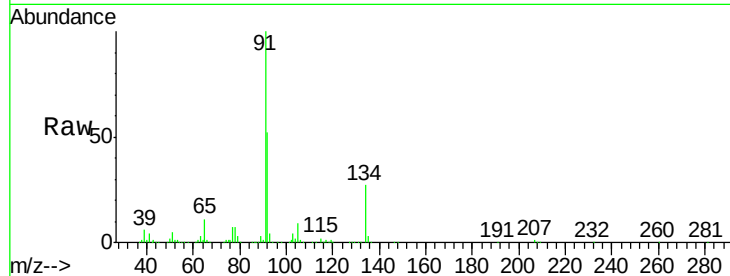
#89
n-Butylbenzene
Concen: 49.898 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

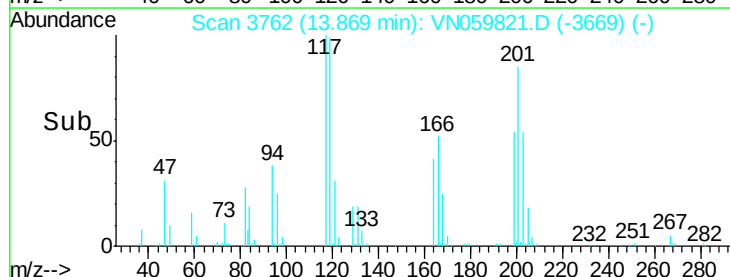
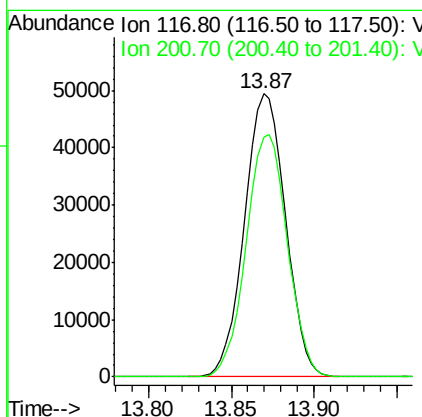
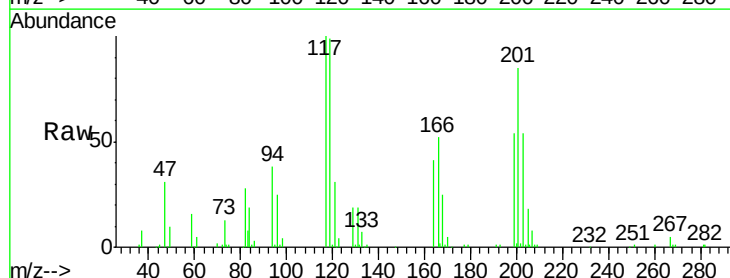
Manual Integrations
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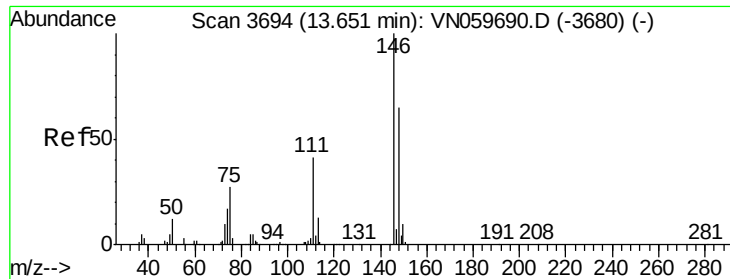
MMDadoda
1/24/2020 10:14:31 AM



#90
Hexachloroethane
Concen: 48.709 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059821.D
Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	37.8	113.4





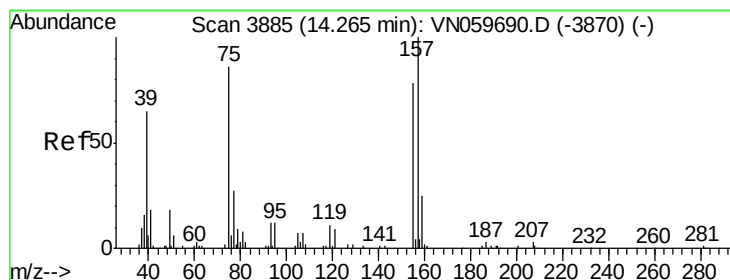
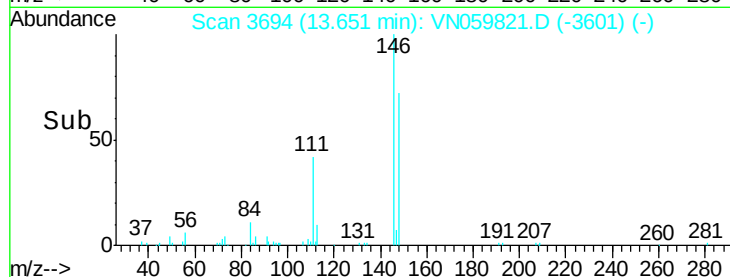
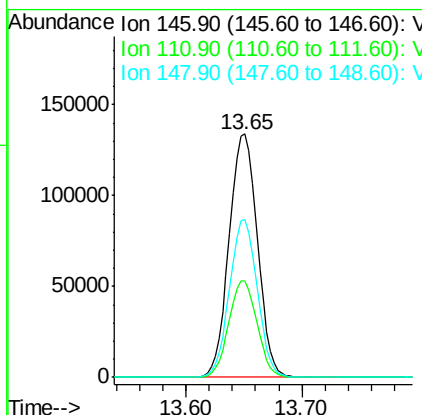
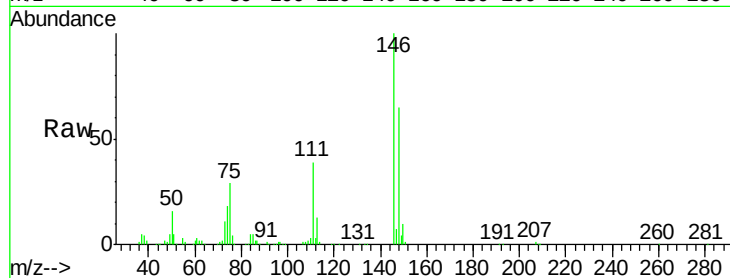
#91
 1,2-Dichlorobenzene
 Concen: 49.391 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	226620		
111	39.6		21.6	64.8
148	63.8		31.6	95.0

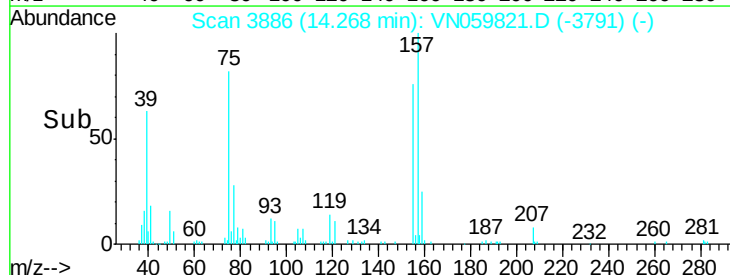
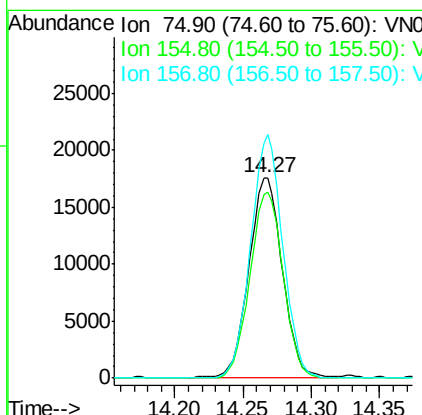
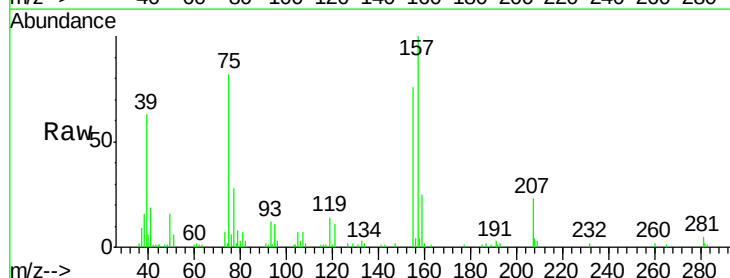
Manual Integrations
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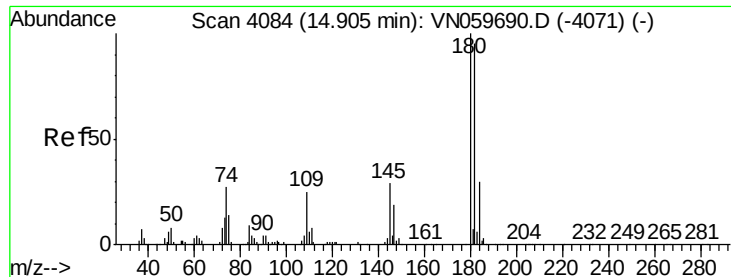
MMDadoda
 1/24/2020 10:14:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.865 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30224		
155	91.0		37.0	110.9
157	115.4		48.4	145.2





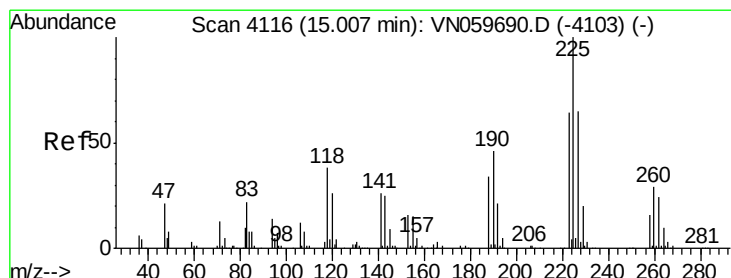
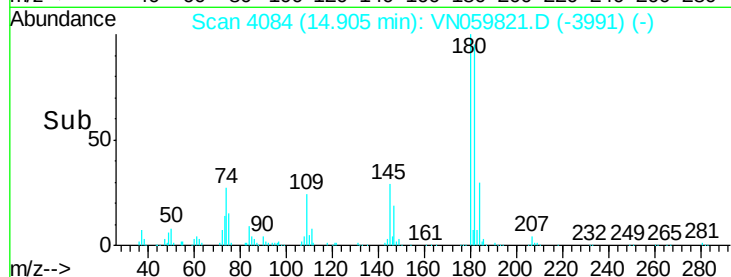
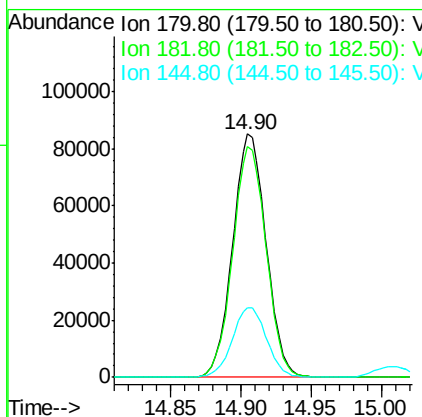
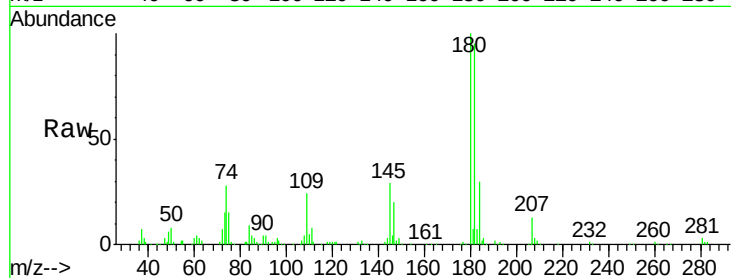
#93
 1,2,4-Trichlorobenzene
 Concen: 51.265 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141341		
182	94.9	46.9	140.7	
145	29.3	15.0	45.1	

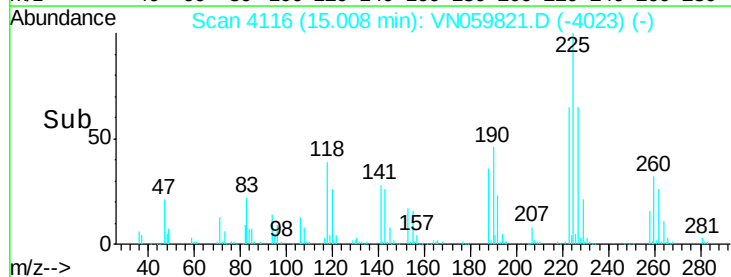
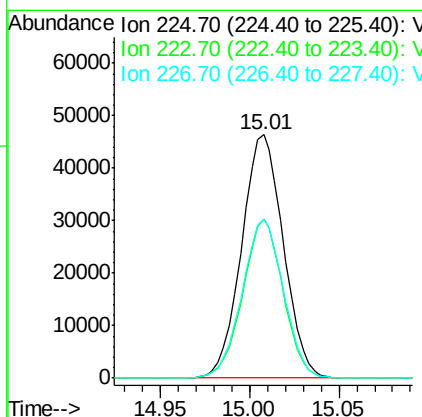
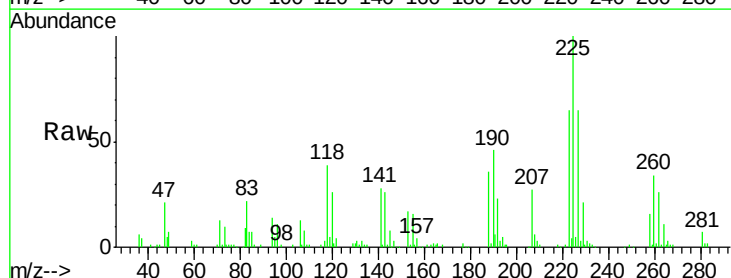
Manual Integrations
 APPROVED

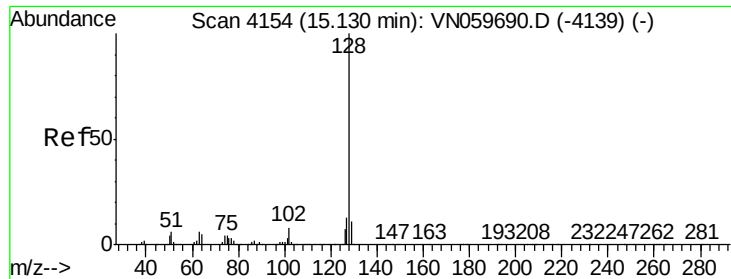
MMDadoda
 1/24/2020 10:14:31 AM



#94
 Hexachlorobutadiene
 Concen: 49.938 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059821.D
 Acq: 22 Jan 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75871		
223	63.0	31.8	95.3	
227	64.4	32.1	96.5	





#95

Naphthalene

Concen: 46.264 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Instrument :

MSVOA_N

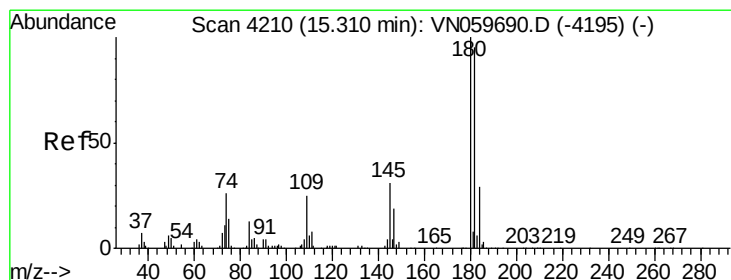
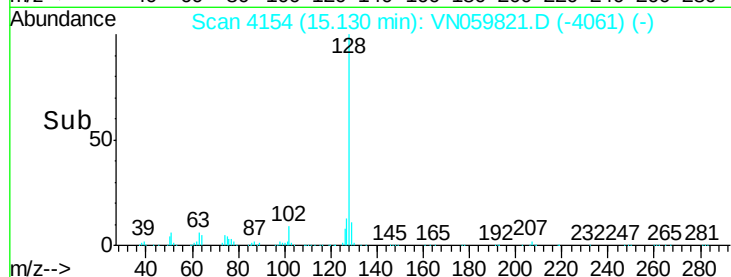
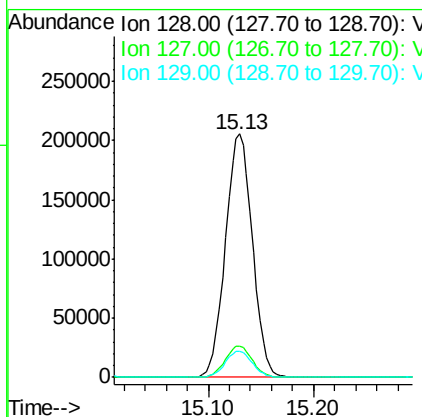
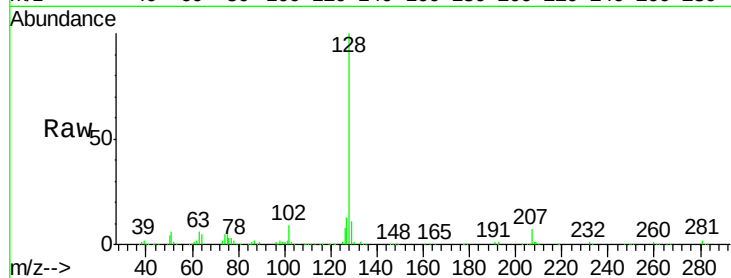
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	362808
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/24/2020 10:14:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.046 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059821.D

Acq: 22 Jan 2020 9:46

Tgt Ion:	180	Resp:	131620
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.4	142.3
145	31.9	16.3	48.9

