

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
 Data File : VN073313.D
 Acq On : 05 Jul 2022 14:21
 Operator : JC\MD
 Sample : N3569-07DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-05-80DL

Quant Time: Jul 06 01:14:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

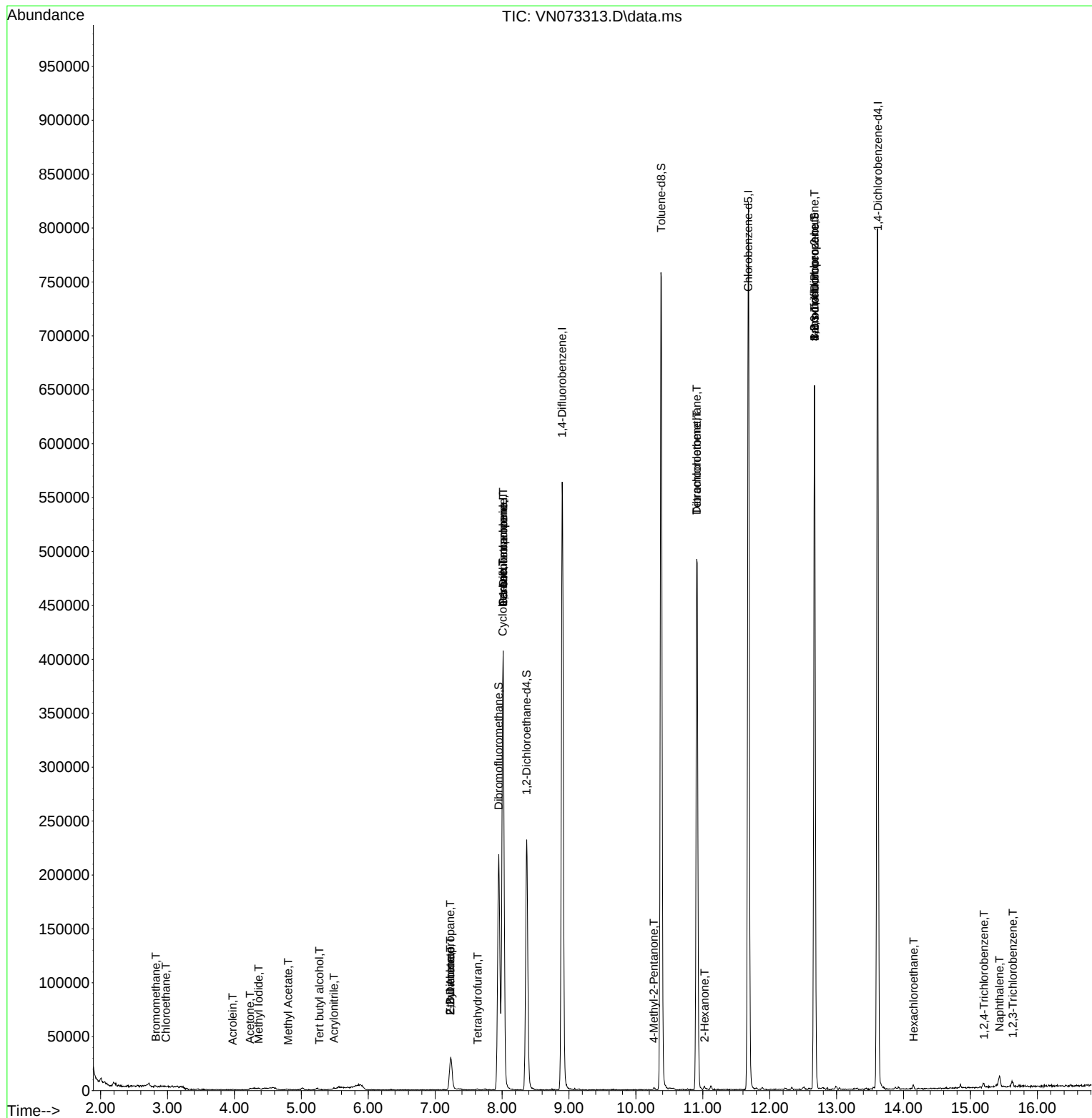
Internal Standards						
1) Pentafluorobenzene	8.016	168	301022	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.898	114	498859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	464347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	213603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	192656	44.334	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.660%
35) Dibromofluoromethane	7.951	113	159721	48.123	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.240%
50) Toluene-d8	10.380	98	533798	45.284	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.560%
62) 4-Bromofluorobenzene	12.668	95	228768	50.500	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.000%
Target Compounds						
						Qvalue
5) Bromomethane	2.828	94	536	0.313	ug/l	# 2
6) Chloroethane	2.975	64	598	0.280	ug/l	# 42
10) Methyl Iodide	4.363	142	863	3.891	ug/l	# 60
11) Tert butyl alcohol	5.269	59	309	0.294	ug/l	# 72
13) Acrolein	3.975	56	225	0.338	ug/l	# 49
15) Acrylonitrile	5.487	53	939	0.347	ug/l	# 74
16) Acetone	4.234	43	2121	0.870	ug/l	# 42
18) Methyl Acetate	4.804	43	1496	0.219	ug/l	# 48
25) 2-Butanone	7.228	43	2117	0.545	ug/l	# 45
26) 2,2-Dichloropropane	7.228	77	2102	0.315	ug/l	# 53
29) Tetrahydrofuran	7.633	42	971	0.365	ug/l	# 36
31) Cyclohexane	8.010	56	6949	0.976	ug/l	# 6
36) 1,1-Dichloropropene	8.016	75	25570	5.007	ug/l	# 49
37) Ethyl Acetate	7.228	43	2117	0.274	ug/l	# 8
38) Carbon Tetrachloride	8.016	117	31249	5.917	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.269	43	1559	0.222	ug/l	# 56
59) 2-Hexanone	11.027	43	3114	0.581	ug/l	71
60) Dibromochloromethane	10.910	129	108215	28.306	ug/l	# 11
64) Tetrachloroethene	10.910	164	112684	29.718	ug/l	95
71) Bromoform	12.668	173	1689	0.598	ug/l	# 1
76) 1,2,3-Trichloropropane	12.668	75	120751	21.619	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.668	75	120751	59.291	ug/l	# 10
90) Hexachloroethane	14.151	117	649	0.238	ug/l	72
93) 1,2,4-Trichlorobenzene	15.204	180	1731	0.424	ug/l	92
95) Naphthalene	15.433	128	12883	0.783	ug/l	# 93
96) 1,2,3-Trichlorobenzene	15.633	180	2688	0.639	ug/l	84

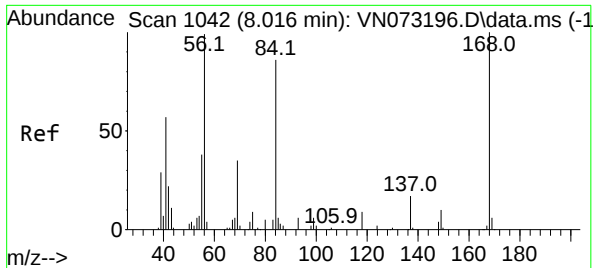
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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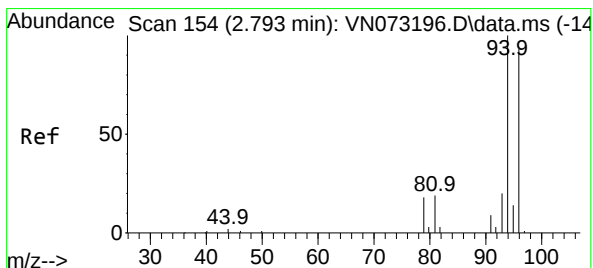
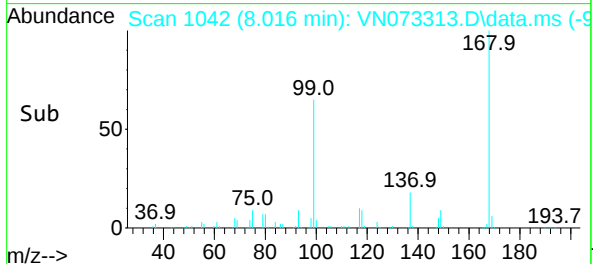
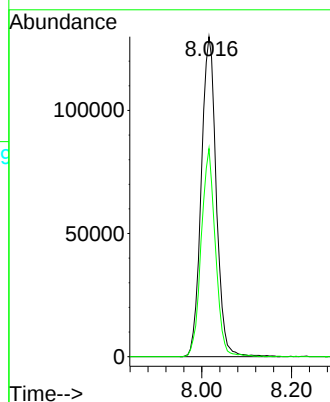
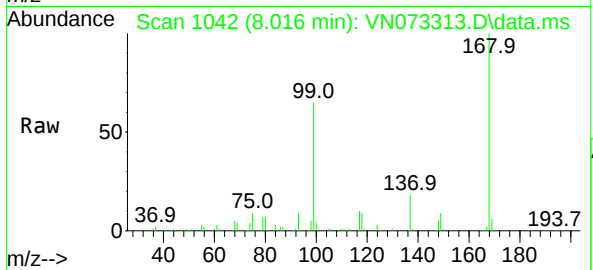




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

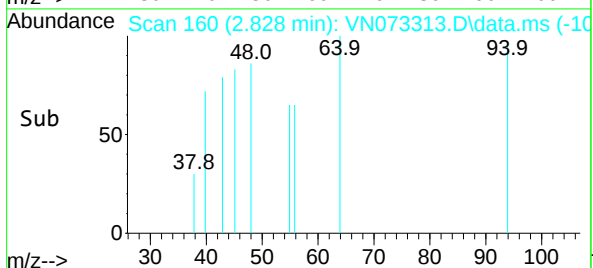
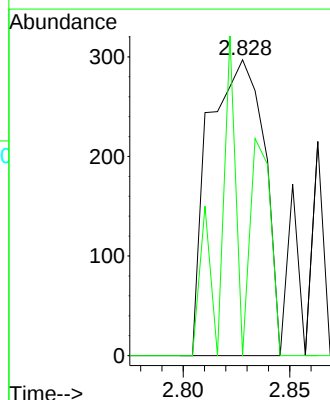
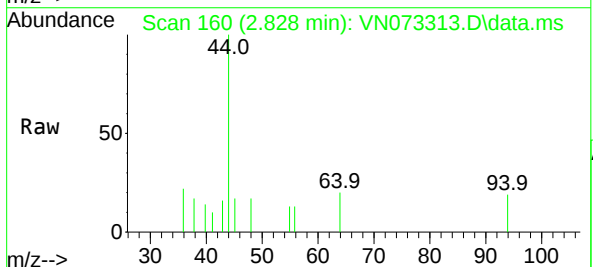
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

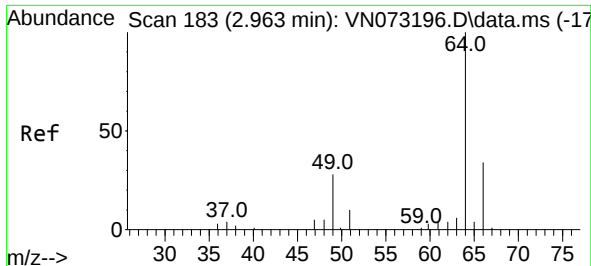
Tgt Ion:168 Resp: 301022
Ion Ratio Lower Upper
168 100
99 65.0 42.3 63.5#



#5
Bromomethane
Concen: 0.313 ug/l
RT: 2.828 min Scan# 160
Delta R.T. 0.035 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion: 94 Resp: 536
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

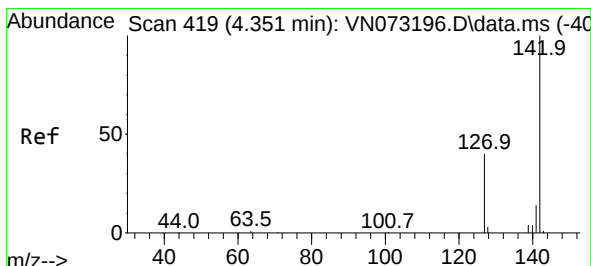
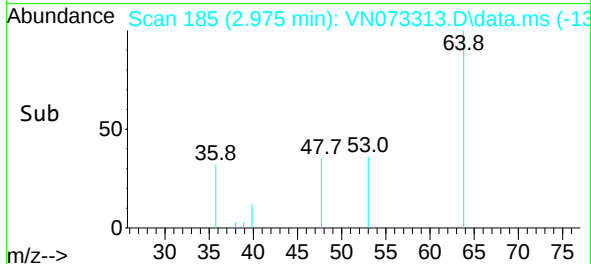
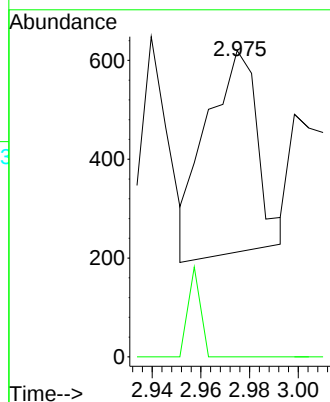
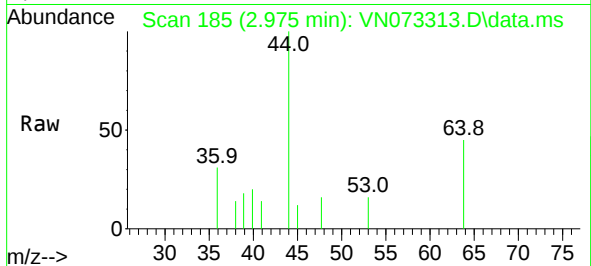




#6
Chloroethane
Concen: 0.280 ug/l
RT: 2.975 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

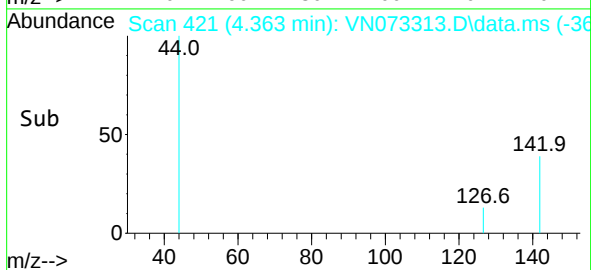
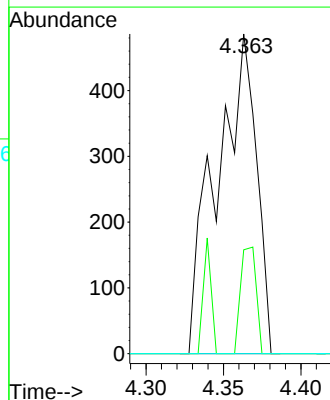
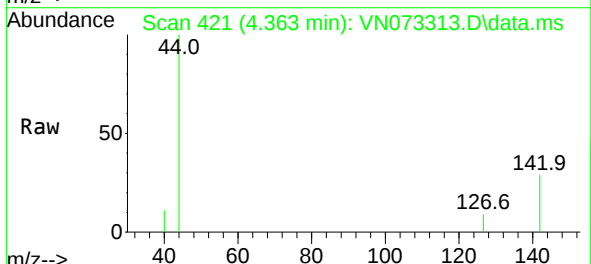
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

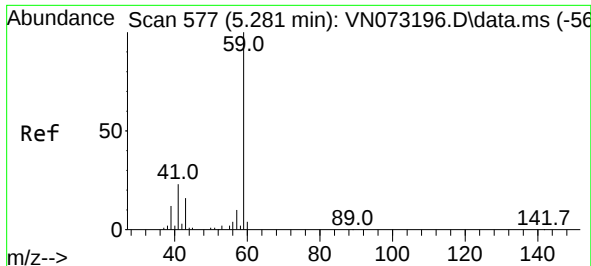
Tgt Ion: 64 Resp: 598
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#10
Methyl Iodide
Concen: 3.891 ug/l
RT: 4.363 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

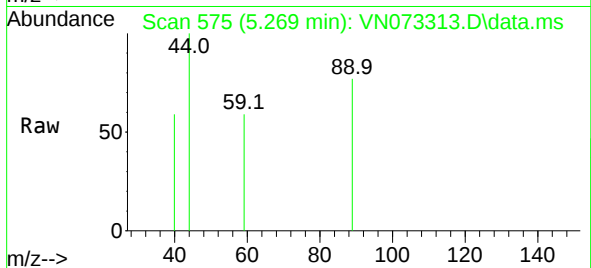
Tgt Ion: 142 Resp: 863
Ion Ratio Lower Upper
142 100
127 13.1 31.3 46.9#
141 0.0 11.2 16.8#



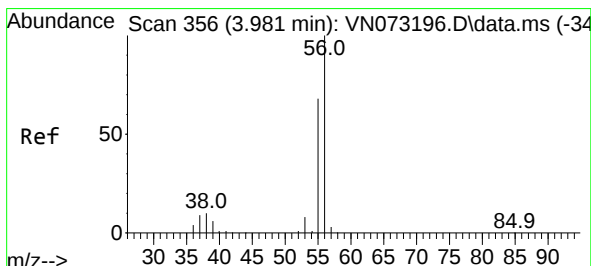
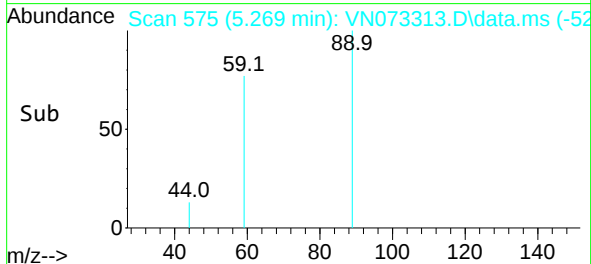
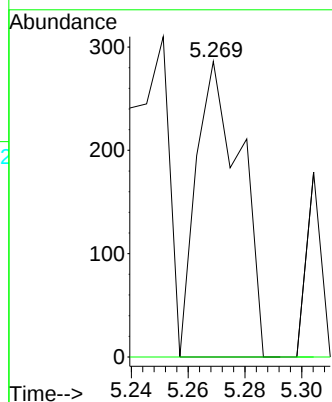


#11
Tert butyl alcohol
Concen: 0.294 ug/l
RT: 5.269 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

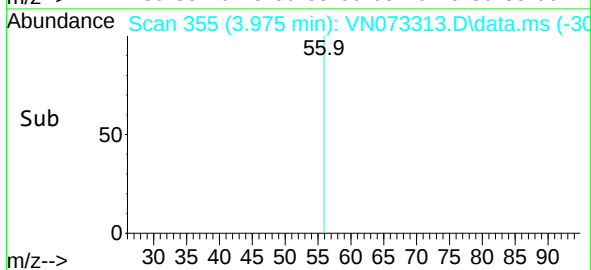
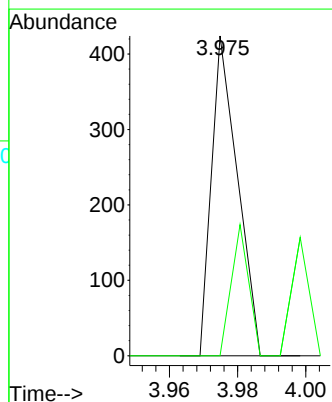
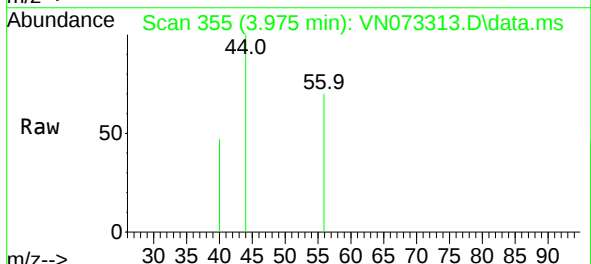


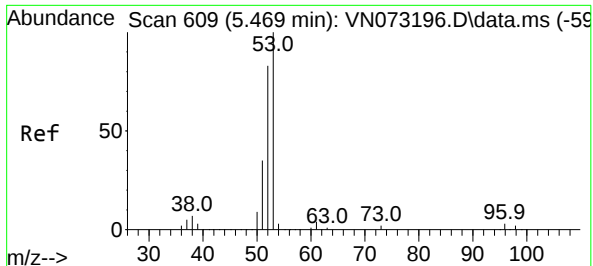
Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.338 ug/l
RT: 3.975 min Scan# 355
Delta R.T. -0.006 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 27.1 54.8 82.2#

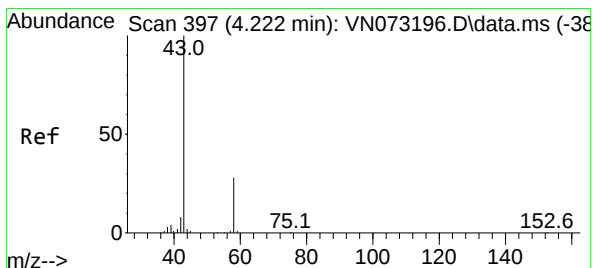
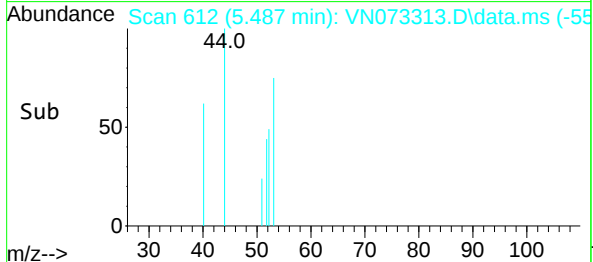
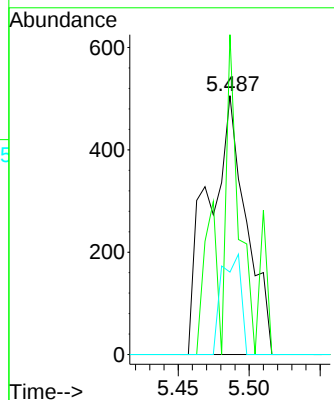
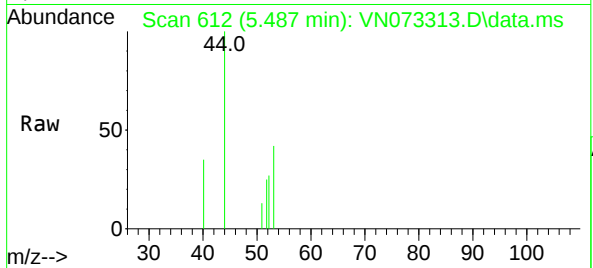




#15
Acrylonitrile
Concen: 0.347 ug/l
RT: 5.487 min Scan# 612
Delta R.T. 0.018 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

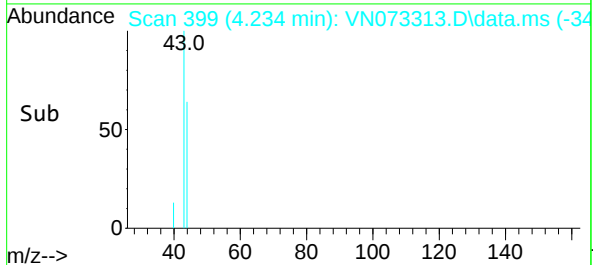
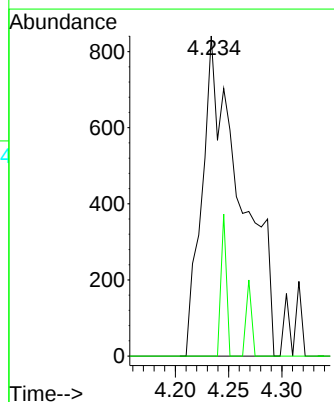
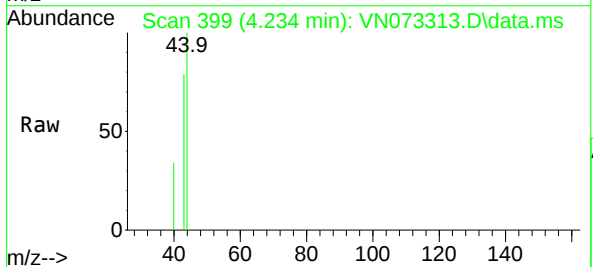
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

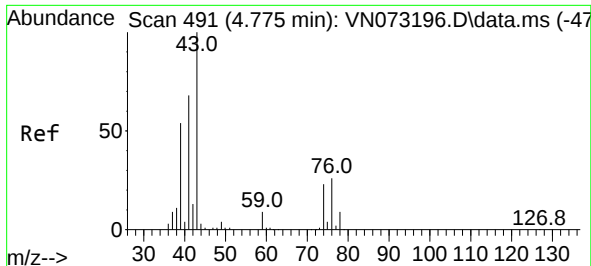
Tgt Ion: 53 Resp: 939
Ion Ratio Lower Upper
53 100
52 59.6 66.4 99.6#
51 19.9 28.5 42.7#



#16
Acetone
Concen: 0.870 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion: 43 Resp: 2121
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#





#18

Methyl Acetate

Concen: 0.219 ug/l

RT: 4.804 min Scan# 491

Delta R.T. 0.029 min

Lab File: VN073313.D

Acq: 05 Jul 2022 14:21

Instrument :

MSVOA_N

ClientSampleId :

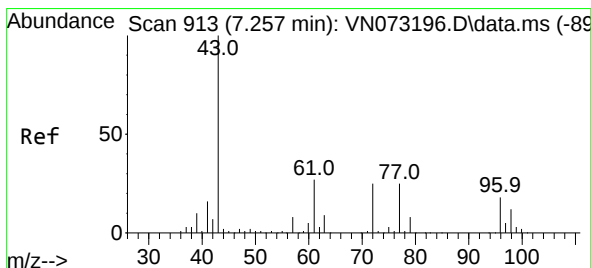
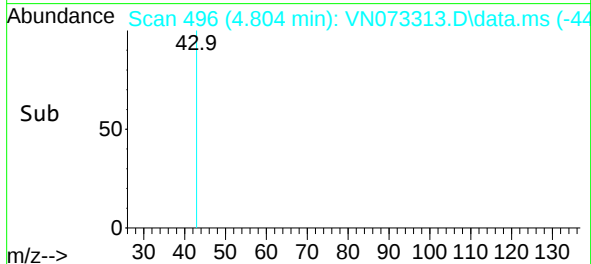
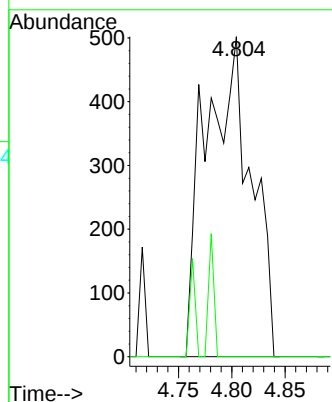
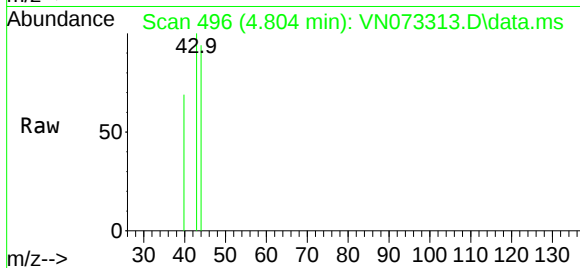
152140-SPC-05-80DL

Tgt Ion: 43 Resp: 1496

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#25

2-Butanone

Concen: 0.545 ug/l

RT: 7.228 min Scan# 908

Delta R.T. -0.029 min

Lab File: VN073313.D

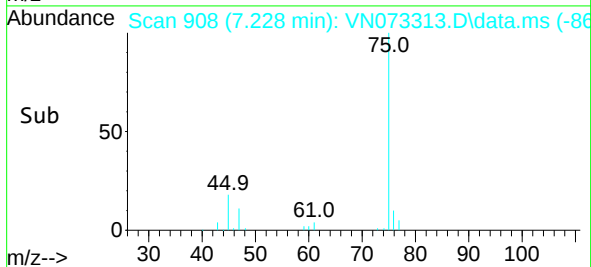
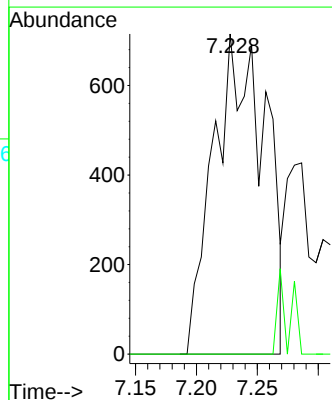
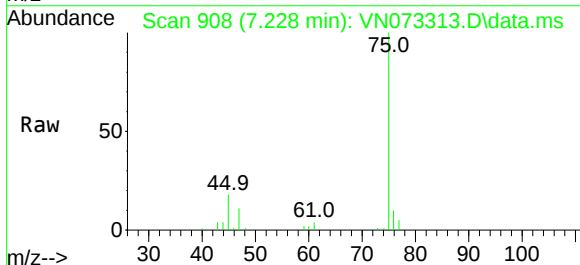
Acq: 05 Jul 2022 14:21

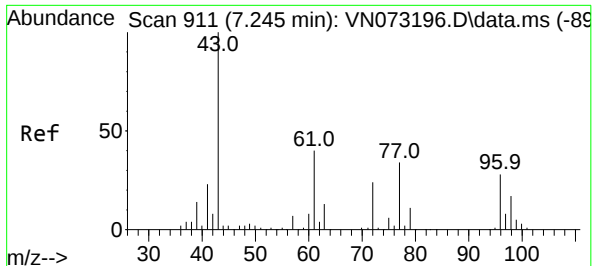
Tgt Ion: 43 Resp: 2117

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.315 ug/l

RT: 7.228 min Scan# 90

Delta R.T. -0.017 min

Lab File: VN073313.D

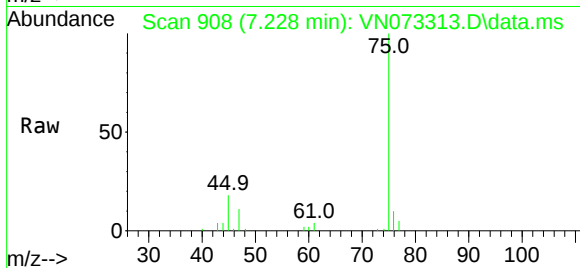
Acq: 05 Jul 2022 14:21

Instrument :

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ClientSampleId :

152140-SPC-05-80DL

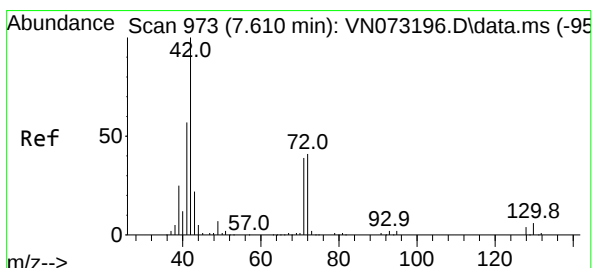
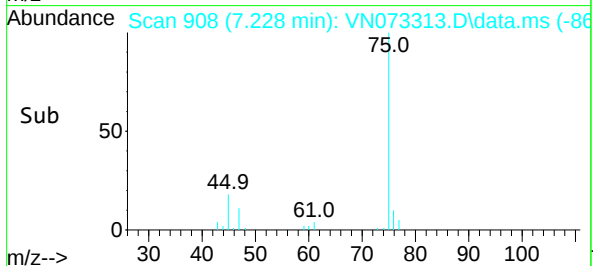
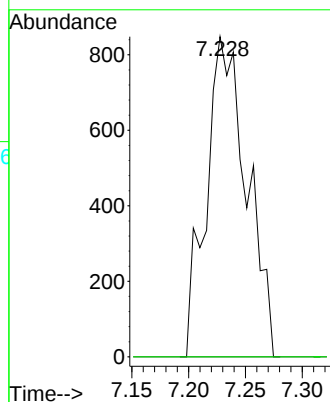


Tgt Ion: 77 Resp: 2102

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.365 ug/l

RT: 7.633 min Scan# 977

Delta R.T. 0.023 min

Lab File: VN073313.D

Acq: 05 Jul 2022 14:21

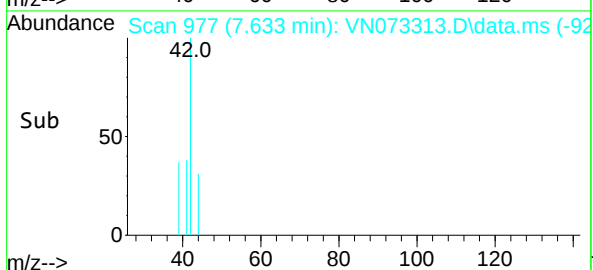
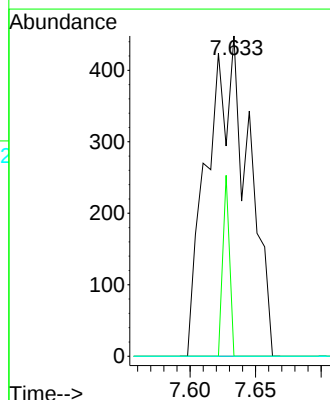
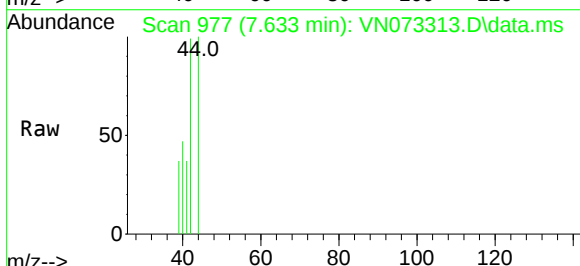
Tgt Ion: 42 Resp: 971

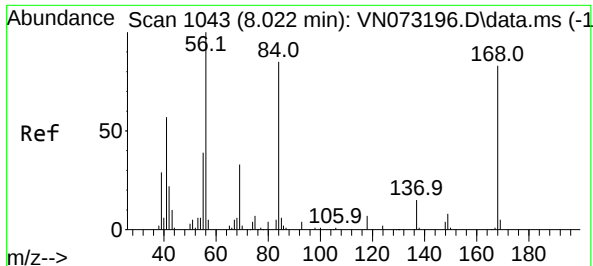
Ion Ratio Lower Upper

42 100

72 9.2 39.7 59.5#

71 0.0 36.6 55.0#





#31

Cyclohexane

Concen: 0.976 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073313.D

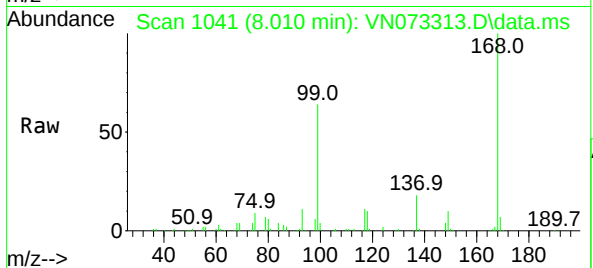
Acq: 05 Jul 2022 14:21

Instrument :

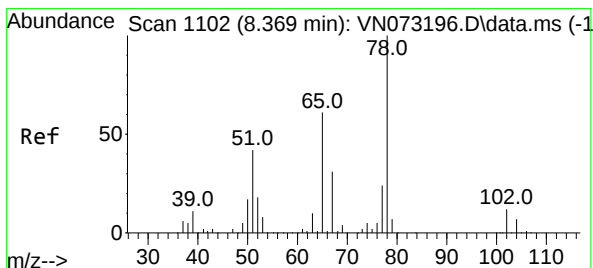
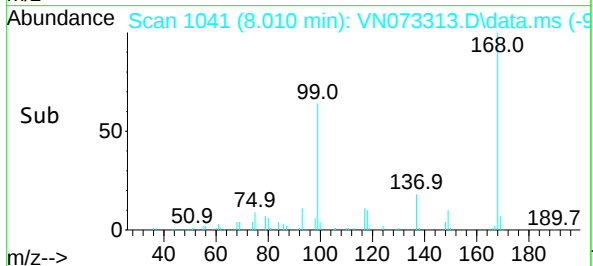
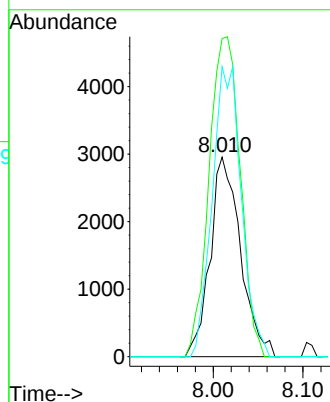
MSVOA_N

ClientSampleId :

152140-SPC-05-80DL



Tgt Ion:	56	Resp:	6949
Ion Ratio	Lower	Upper	
56	100		
69	159.4	27.8	41.8#
84	145.3	76.9	115.3#



#33

1,2-Dichloroethane-d4

Concen: 44.334 ug/l

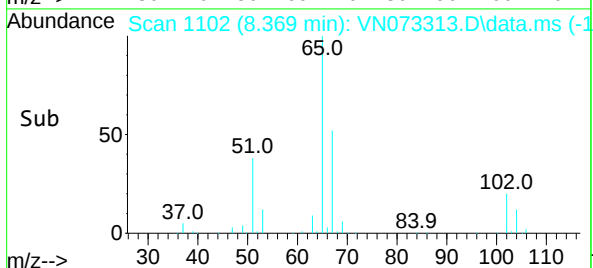
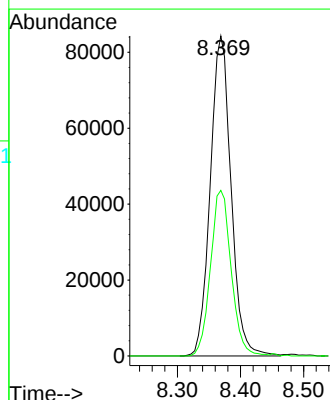
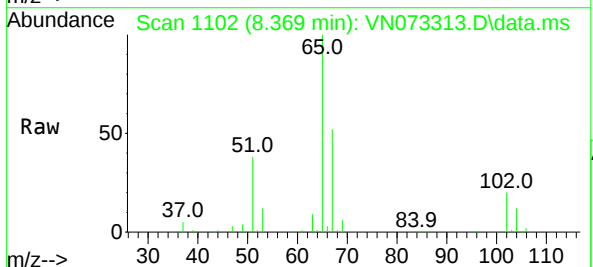
RT: 8.369 min Scan# 1102

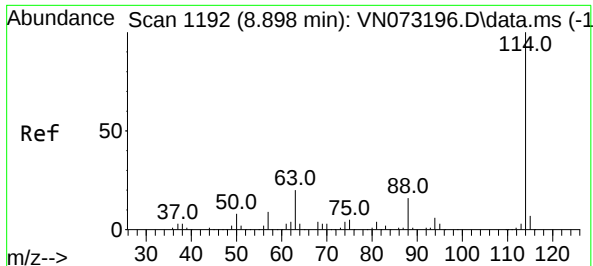
Delta R.T. -0.000 min

Lab File: VN073313.D

Acq: 05 Jul 2022 14:21

Tgt Ion:	65	Resp:	192656
Ion Ratio	Lower	Upper	
65	100		
67	51.5	0.0	104.8

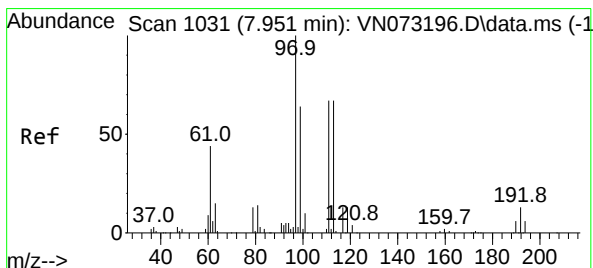
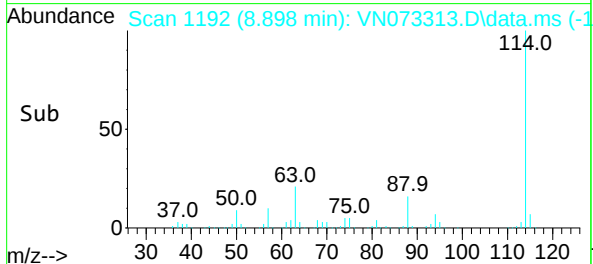
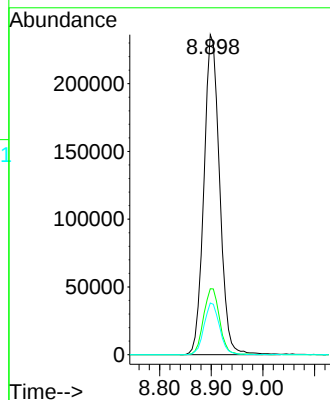
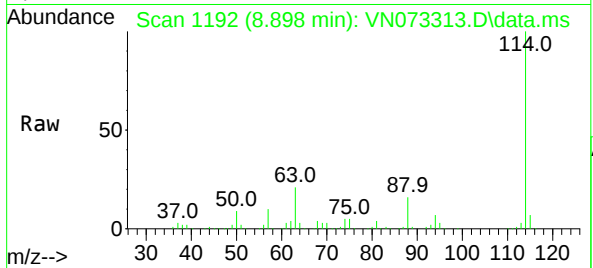




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

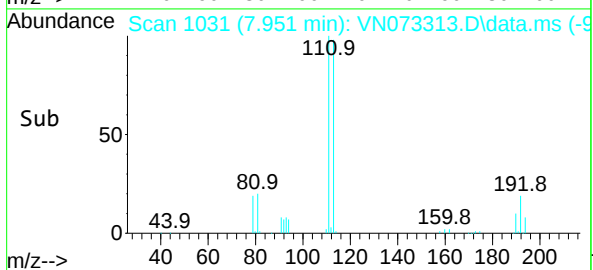
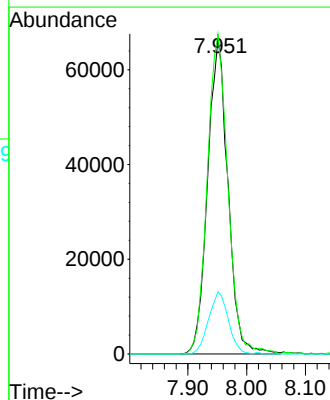
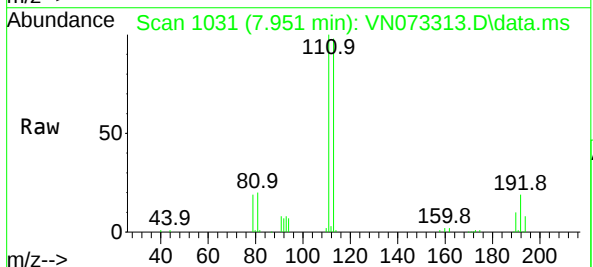
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

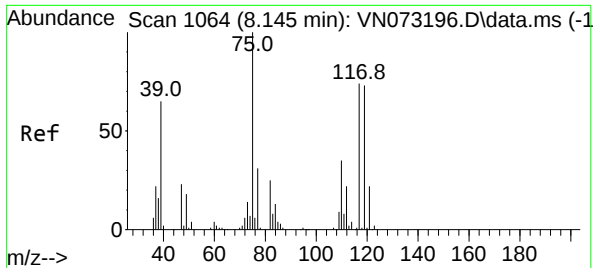
Tgt Ion:114 Resp: 498859
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.0
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.123 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion:113 Resp: 159721
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 19.1 17.0 25.6

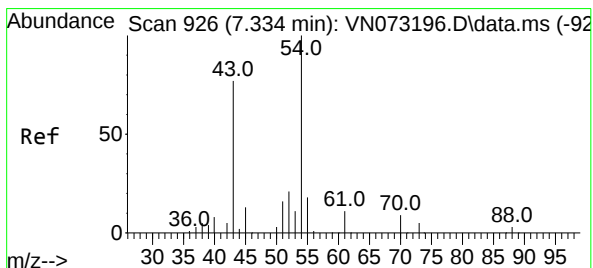
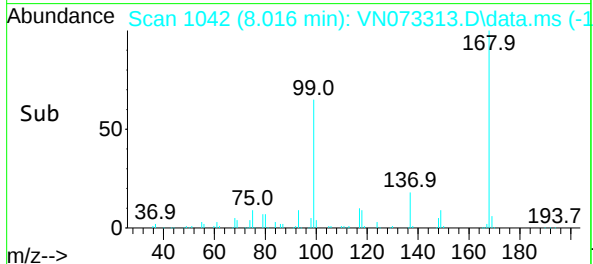
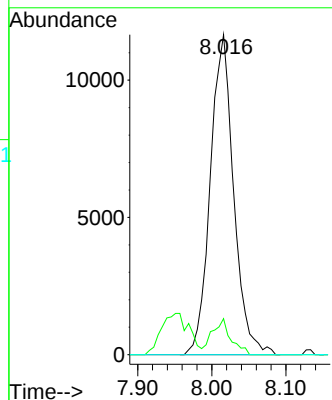
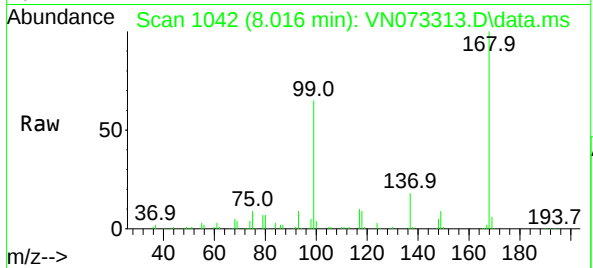




#36
1,1-Dichloropropene
Concen: 5.007 ug/l
RT: 8.016 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

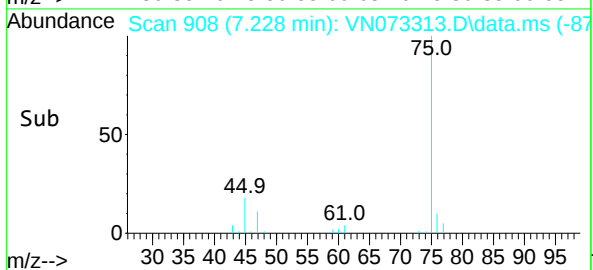
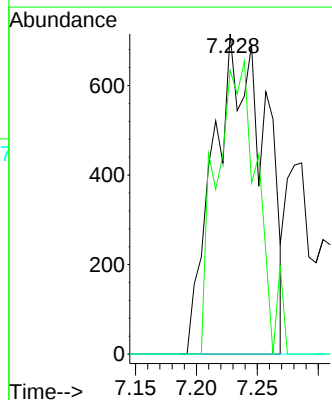
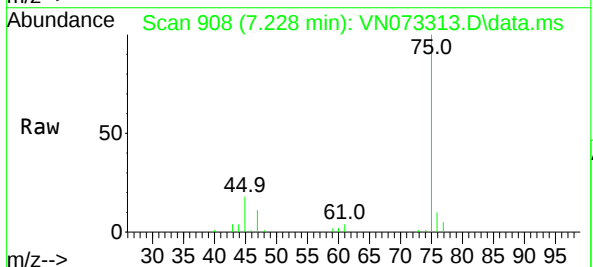
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

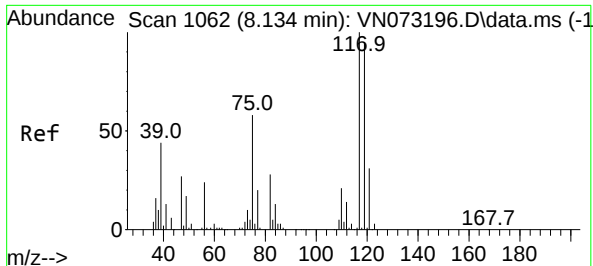
Tgt Ion: 75 Resp: 25570
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.274 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.106 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion: 43 Resp: 2117
Ion Ratio Lower Upper
43 100
61 73.1 11.8 17.6#
70 0.0 9.3 13.9#

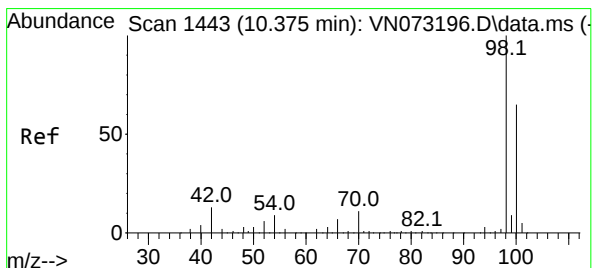
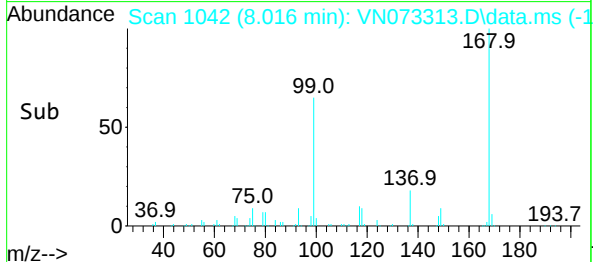
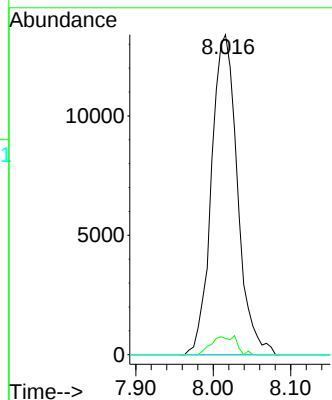
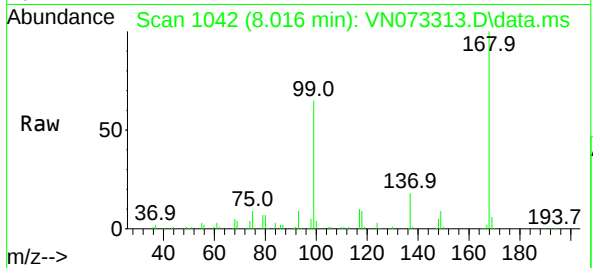




#38
Carbon Tetrachloride
Concen: 5.917 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

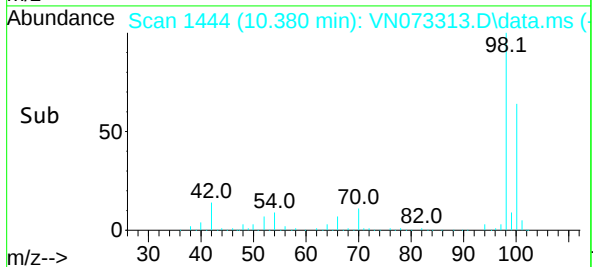
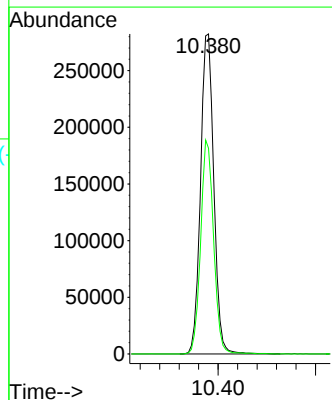
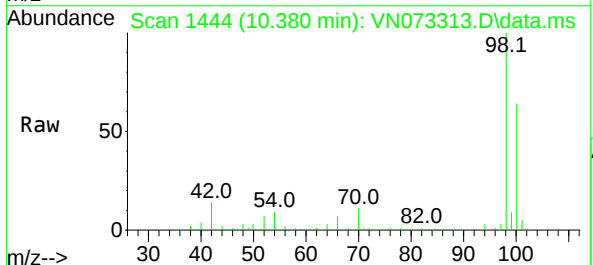
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

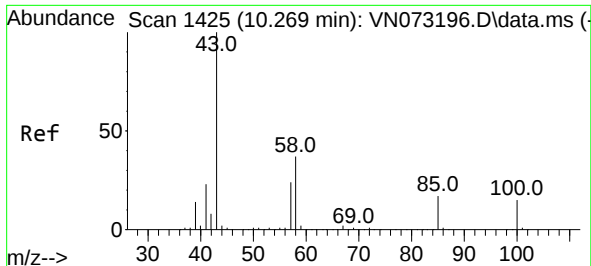
Tgt Ion:117 Resp: 31249
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.284 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion: 98 Resp: 533798
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

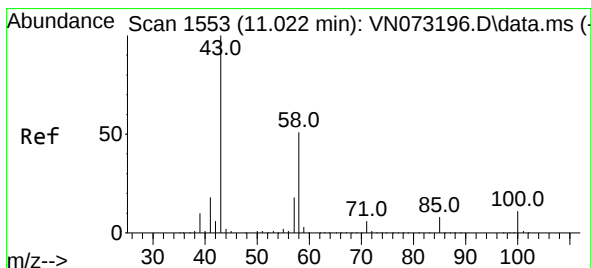
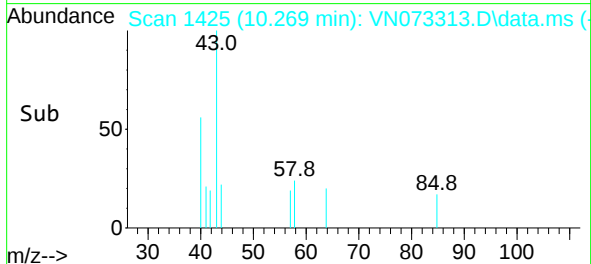
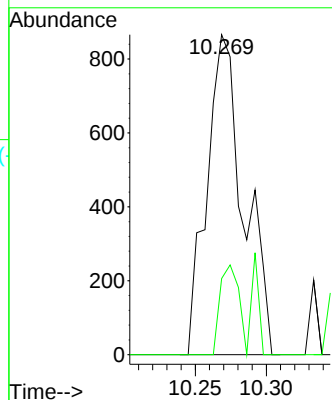
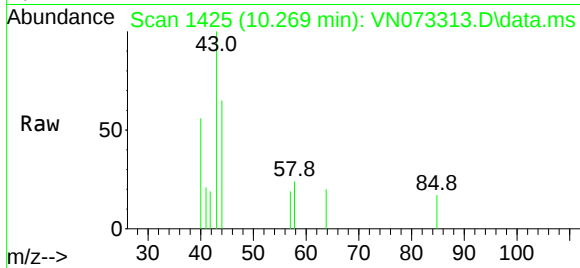




#51
4-Methyl-2-Pentanone
Concen: 0.222 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

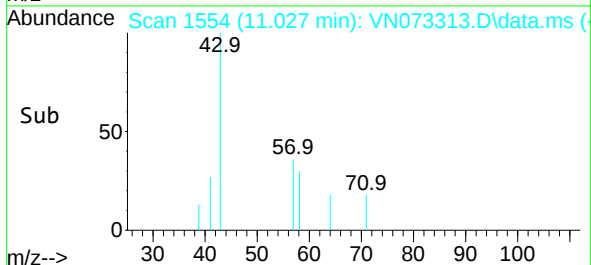
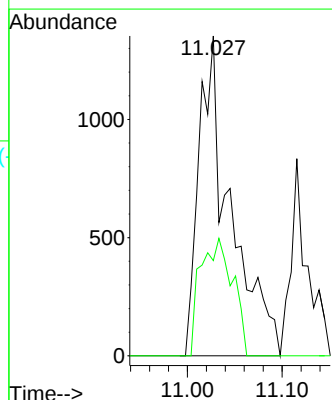
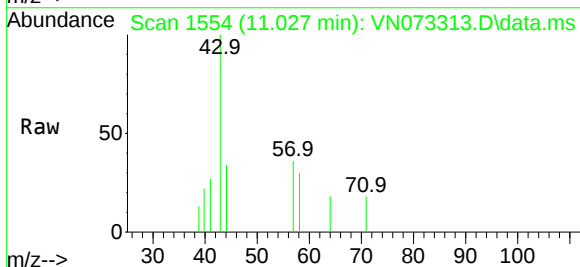
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

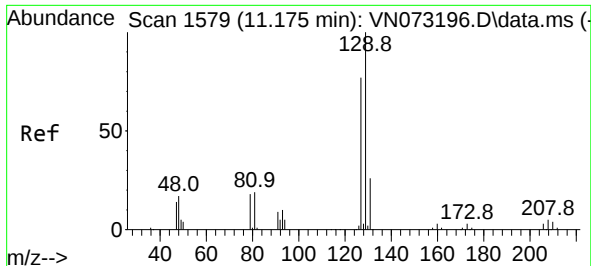
Tgt Ion: 43 Resp: 1559
Ion Ratio Lower Upper
43 100
58 14.3 34.1 51.1#



#59
2-Hexanone
Concen: 0.581 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.005 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion: 43 Resp: 3114
Ion Ratio Lower Upper
43 100
58 37.7 29.7 89.1

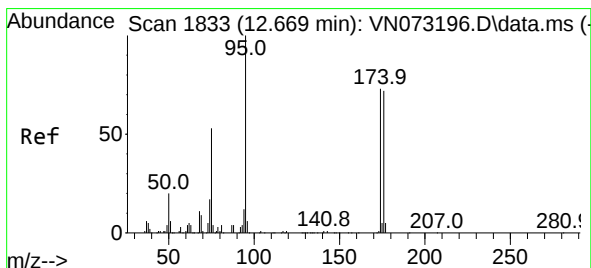
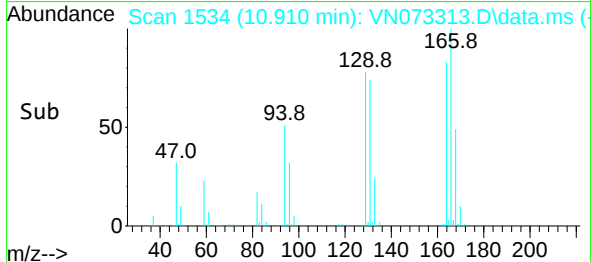
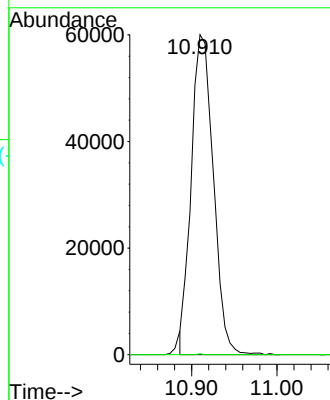
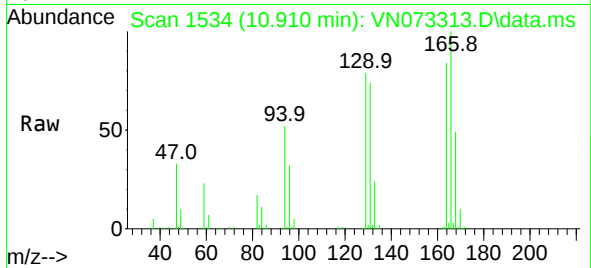




#60
Dibromochloromethane
Concen: 28.306 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

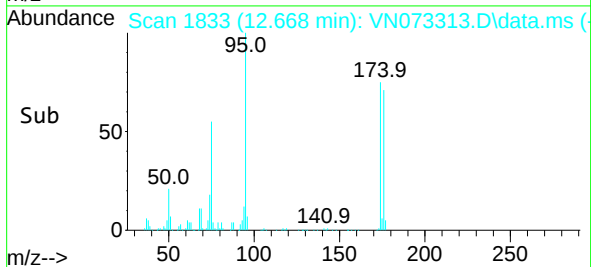
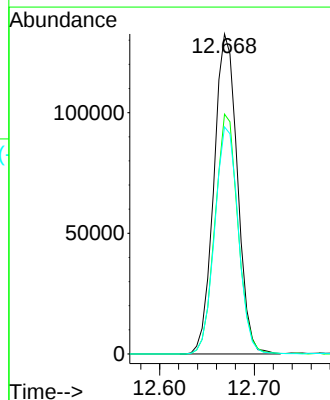
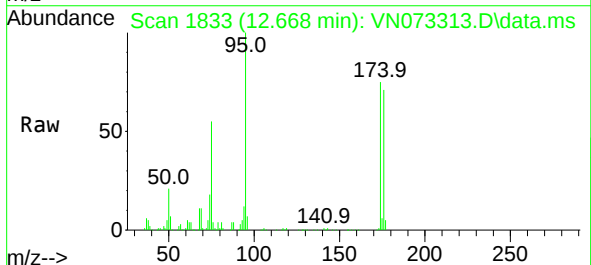
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

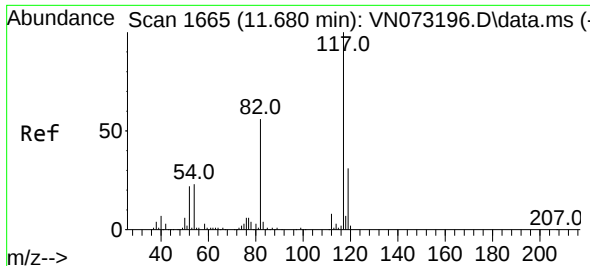
Tgt Ion:129 Resp: 108215
Ion Ratio Lower Upper
129 100
127 0.1 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.500 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion: 95 Resp: 228768
Ion Ratio Lower Upper
95 100
174 73.1 0.0 167.6
176 71.1 0.0 163.4

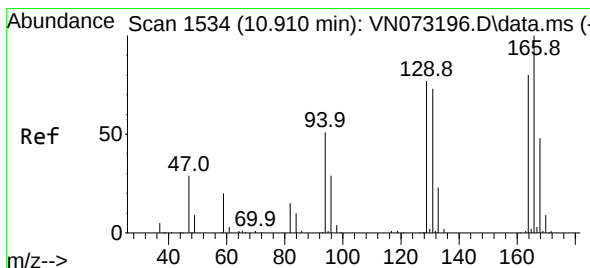
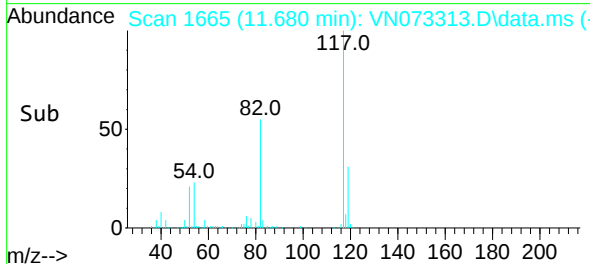
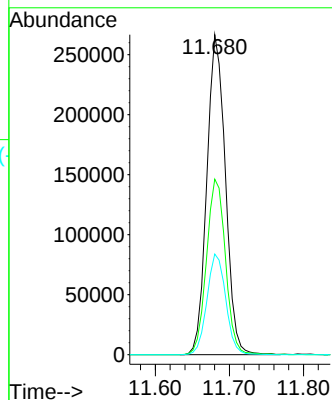
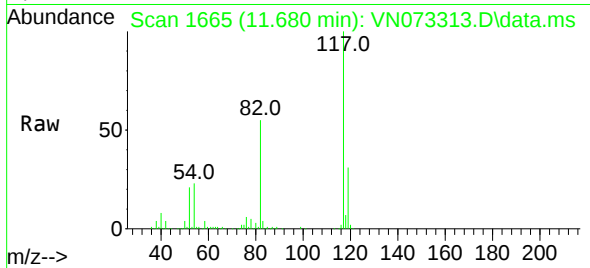




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

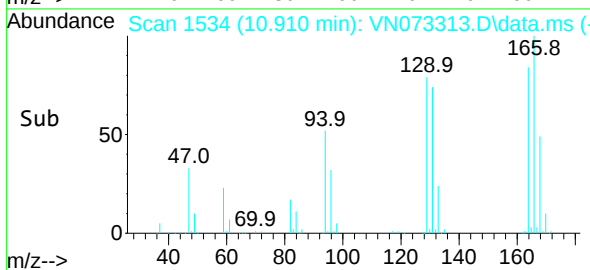
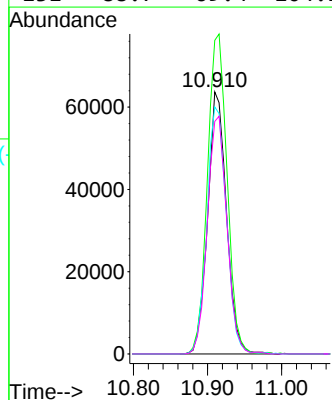
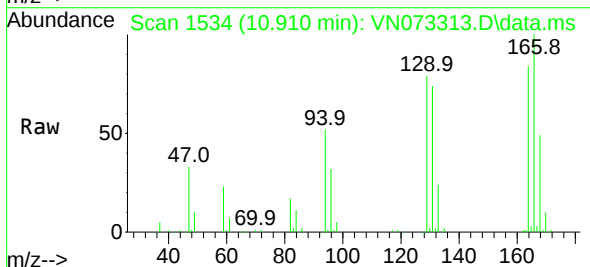
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

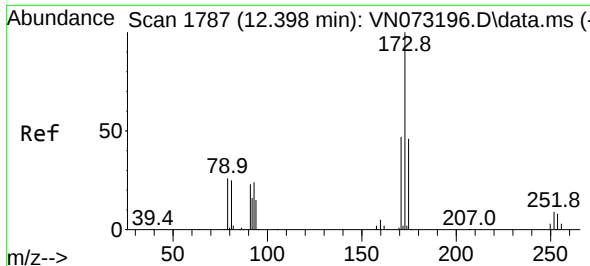
Tgt Ion:117 Resp: 464347
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 31.5 25.4 38.0



#64
Tetrachloroethene
Concen: 29.718 ug/l
RT: 10.910 min Scan# 1534
Delta R.T. -0.000 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion:164 Resp: 112684
Ion Ratio Lower Upper
164 100
166 119.6 104.2 156.2
129 94.2 73.9 110.9
131 88.7 69.4 104.2

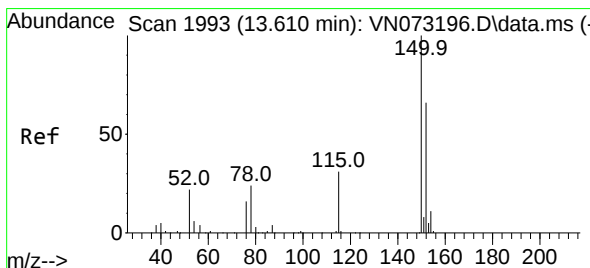
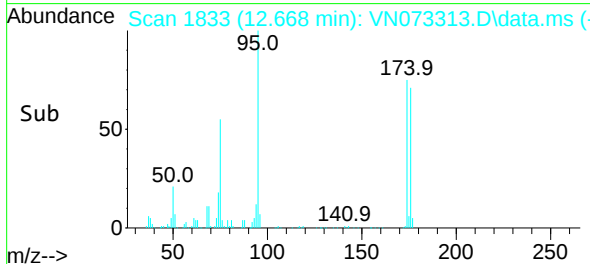
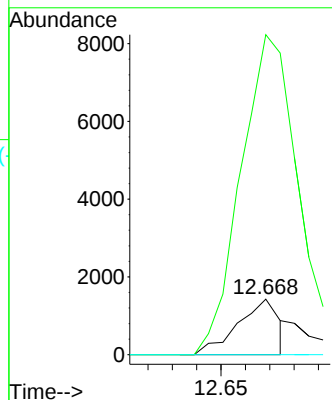
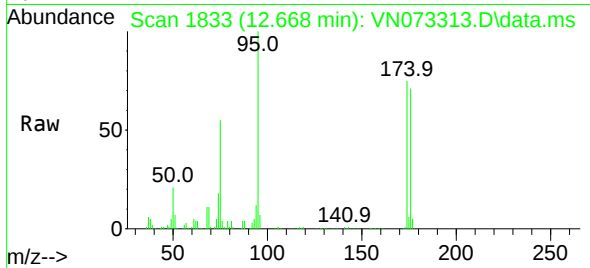




#71
Bromoform
Concen: 0.598 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

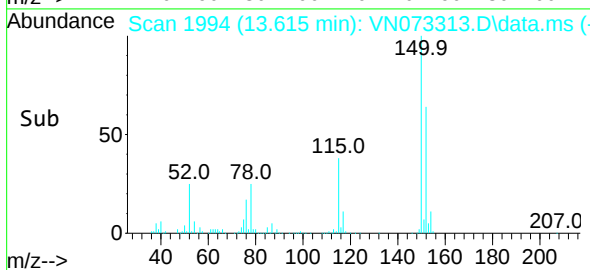
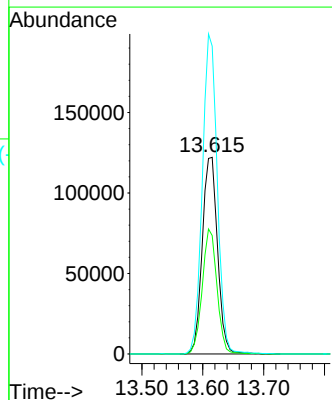
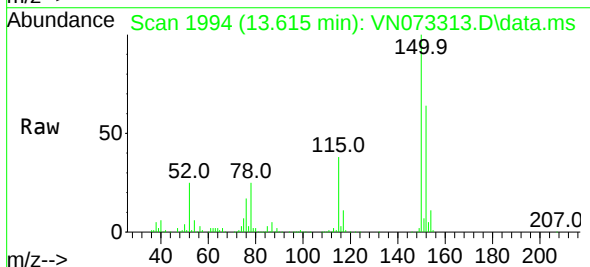
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

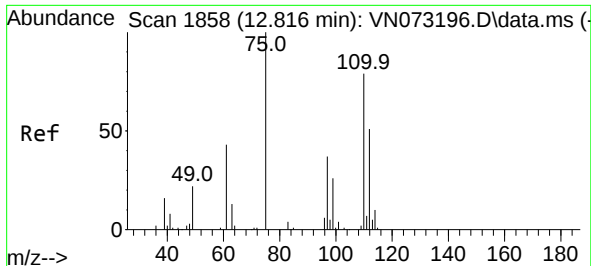
Tgt Ion:173 Resp: 1689
Ion Ratio Lower Upper
173 100
175 597.2 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion:152 Resp: 213603
Ion Ratio Lower Upper
152 100
115 61.2 28.9 86.7
150 158.6 0.0 356.2

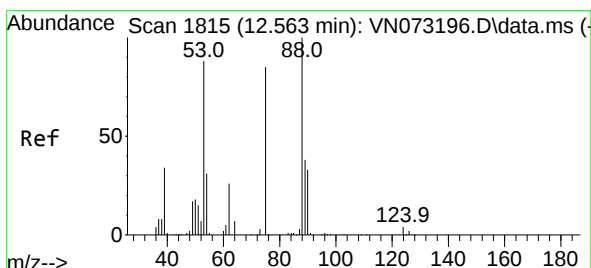
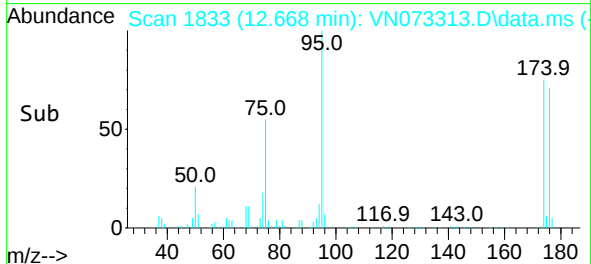
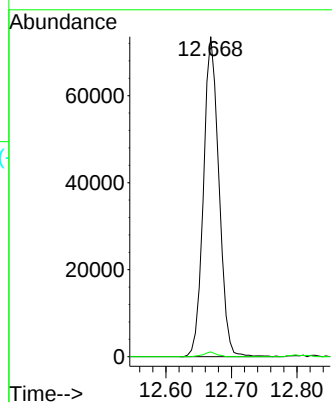
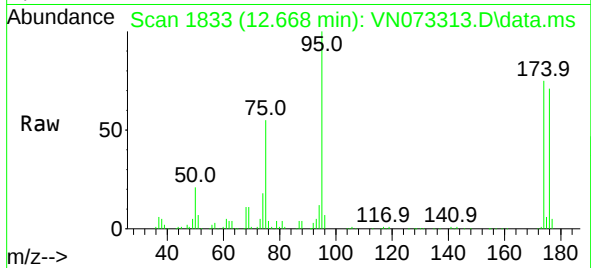




#76
1,2,3-Trichloropropane
Concen: 21.619 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

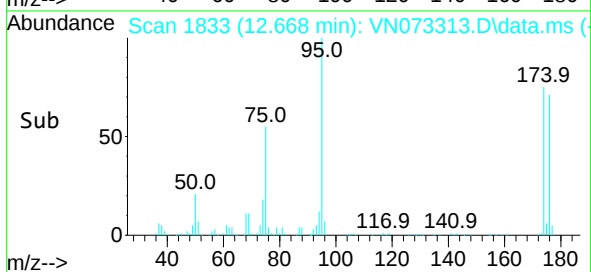
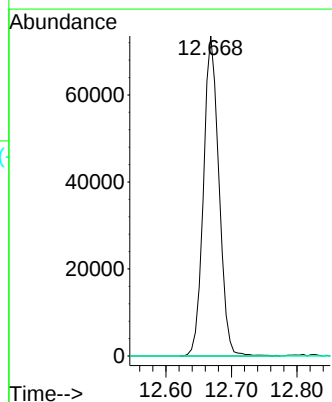
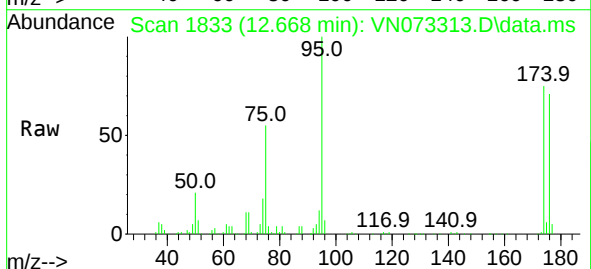
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

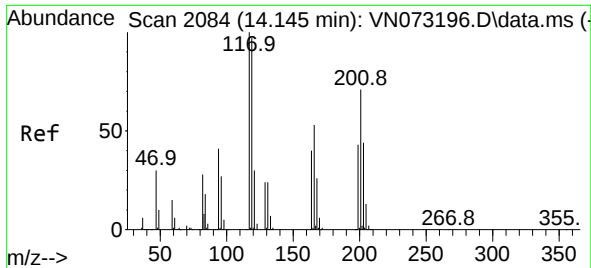
Tgt Ion: 75 Resp: 120751
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.291 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion: 75 Resp: 120751
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

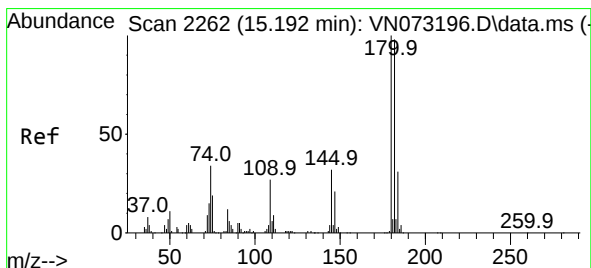
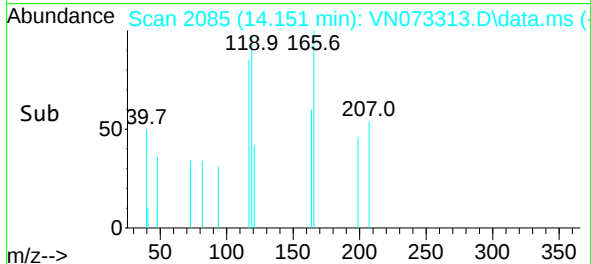
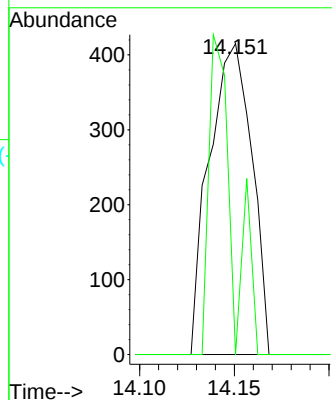
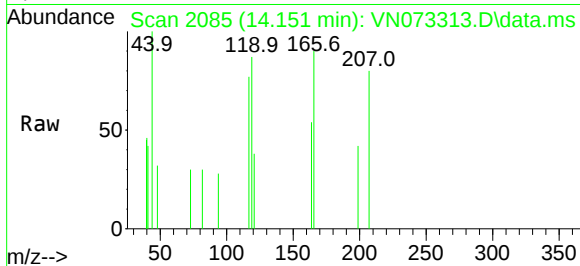




#90
Hexachloroethane
Concen: 0.238 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.006 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

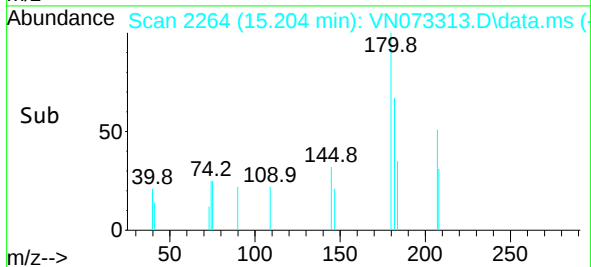
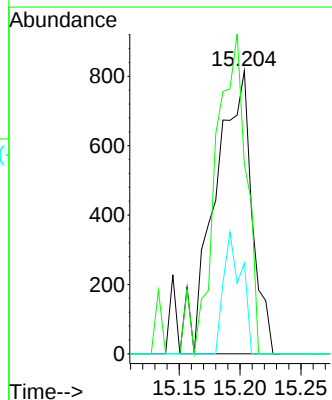
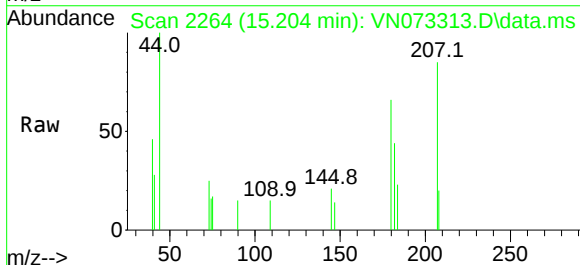
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

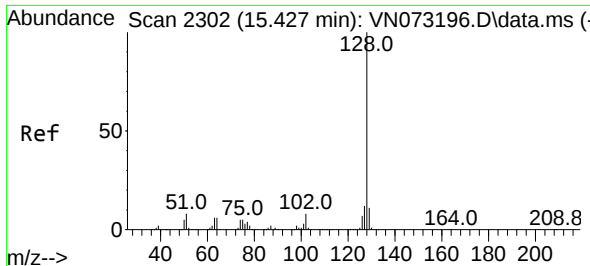
Tgt Ion:117 Resp: 649
Ion Ratio Lower Upper
117 100
201 56.2 40.6 122.0



#93
1,2,4-Trichlorobenzene
Concen: 0.424 ug/l
RT: 15.204 min Scan# 2264
Delta R.T. 0.012 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion:180 Resp: 1731
Ion Ratio Lower Upper
180 100
182 89.7 47.5 142.5
145 20.8 14.5 43.5

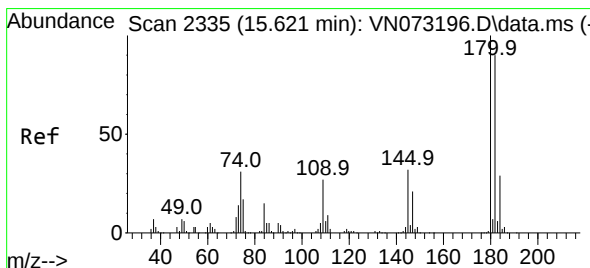
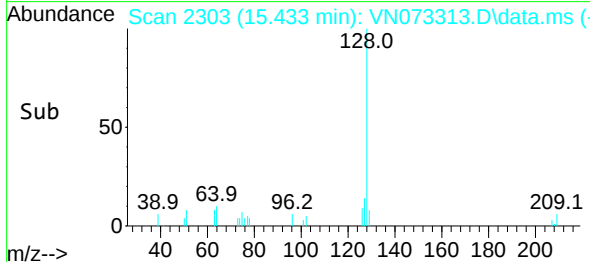
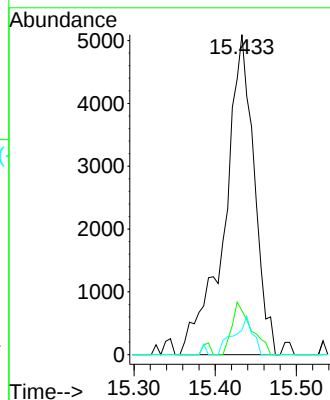
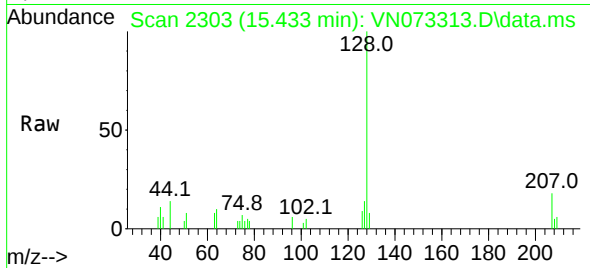




#95
Naphthalene
Concen: 0.783 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80DL

Tgt Ion:128 Resp: 12883
Ion Ratio Lower Upper
128 100
127 10.8 10.3 15.5
129 7.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.639 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.012 min
Lab File: VN073313.D
Acq: 05 Jul 2022 14:21

Tgt Ion:180 Resp: 2688
Ion Ratio Lower Upper
180 100
182 77.4 47.8 143.3
145 27.3 15.5 46.5

