

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
 Data File : VN073314.D
 Acq On : 05 Jul 2022 14:45
 Operator : JC\MD
 Sample : N3569-08DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-95-80DL

Quant Time: Jul 06 01:14:20 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)

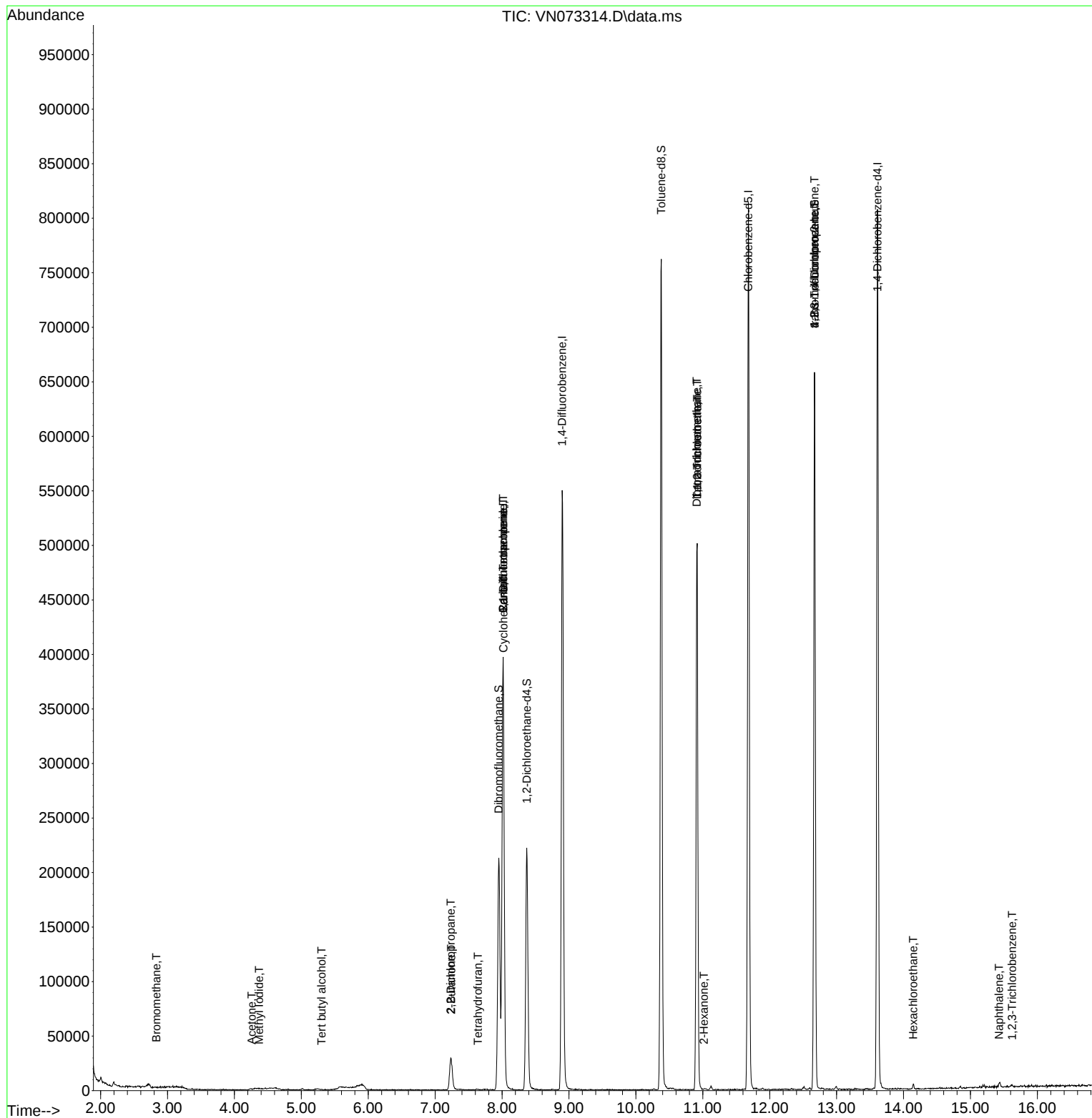
Internal Standards						
1) Pentafluorobenzene	8.016	168	294044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	495091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	462189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	217506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	185944	43.805	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.600%		
35) Dibromofluoromethane	7.951	113	158678	48.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.340%		
50) Toluene-d8	10.380	98	519670	44.421	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.840%		
62) 4-Bromofluorobenzene	12.668	95	232966	51.818	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.640%		
Target Compounds					Qvalue	
5) Bromomethane	2.834	94	411	0.245	ug/l #	2
10) Methyl Iodide	4.369	142	209	3.775	ug/l #	44
11) Tert butyl alcohol	5.304	59	252	0.245	ug/l #	72
16) Acetone	4.257	43	1380	0.579	ug/l	98
25) 2-Butanone	7.239	43	1896	0.500	ug/l #	45
26) 2,2-Dichloropropane	7.233	77	2178	0.334	ug/l #	53
29) Tetrahydrofuran	7.639	42	589	0.227	ug/l #	43
31) Cyclohexane	8.022	56	6900	0.993	ug/l #	32
36) 1,1-Dichloropropene	8.016	75	23964	4.728	ug/l #	50
38) Carbon Tetrachloride	8.016	117	31376	5.986	ug/l #	16
55) 1,1,2-Trichloroethane	10.916	97	1168	0.293	ug/l #	1
59) 2-Hexanone	11.016	43	1086	0.204	ug/l #	58
60) Dibromochloromethane	10.910	129	110379	29.091	ug/l #	11
64) Tetrachloroethene	10.916	164	115014	30.474	ug/l	95
76) 1,2,3-Trichloropropane	12.668	75	121513	21.366	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	121513	58.594	ug/l #	10
90) Hexachloroethane	14.145	117	735	0.265	ug/l	81
95) Naphthalene	15.427	128	5238	0.312	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.621	180	986	0.230	ug/l #	62

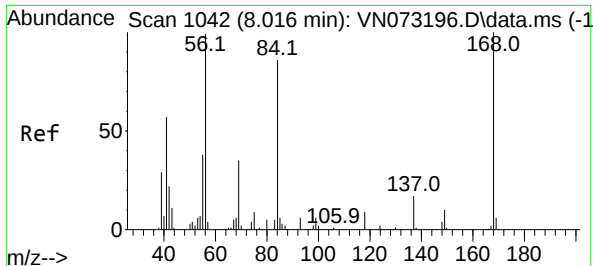
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

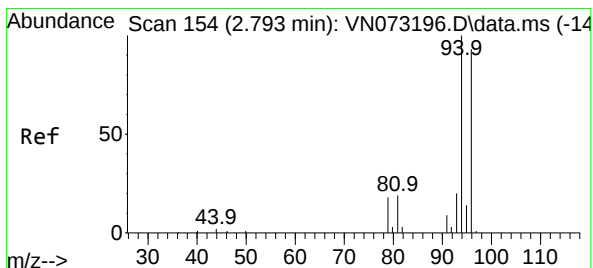
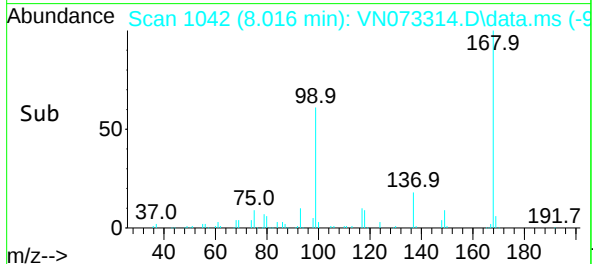
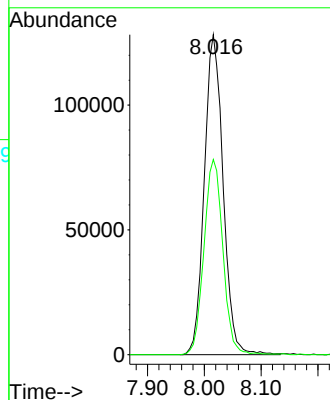
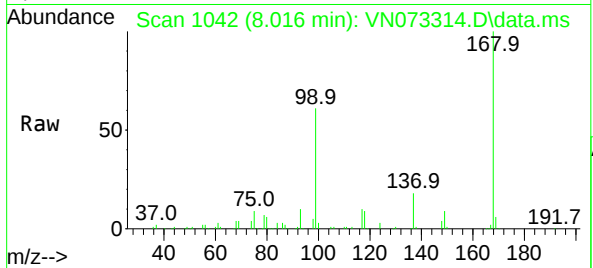




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

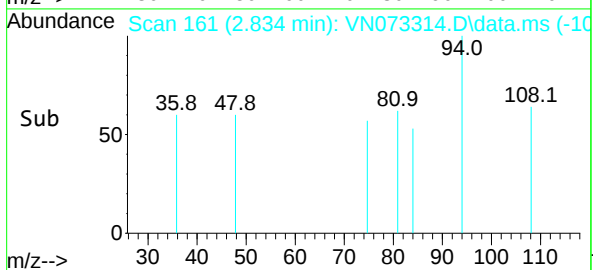
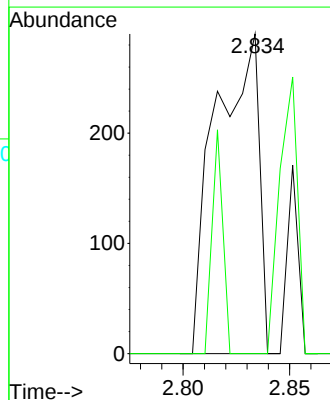
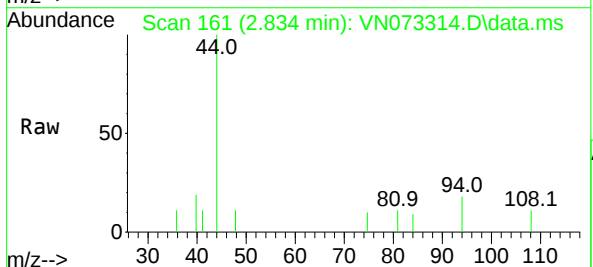
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80DL

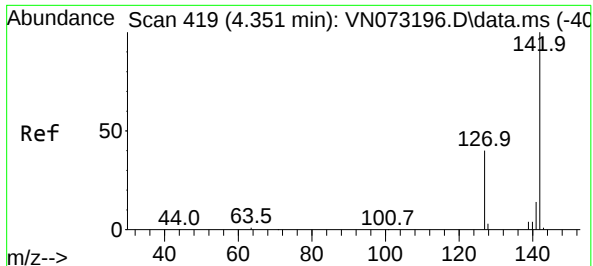
Tgt Ion:168 Resp: 294044
Ion Ratio Lower Upper
168 100
99 61.0 42.3 63.5



#5
Bromomethane
Concen: 0.245 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.041 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

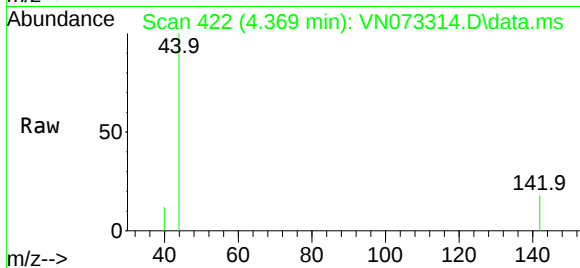
Tgt Ion: 94 Resp: 411
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



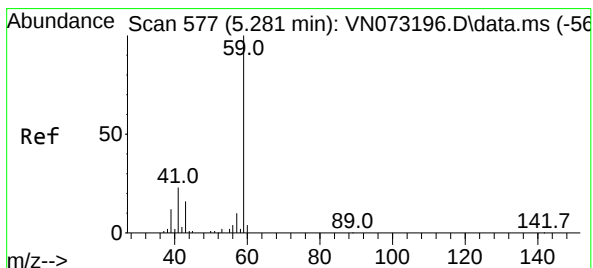
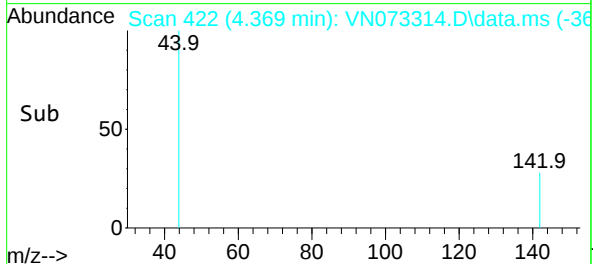
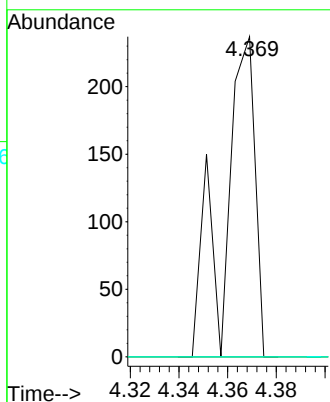


#10
Methyl Iodide
Concen: 3.775 ug/l
RT: 4.369 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80DL

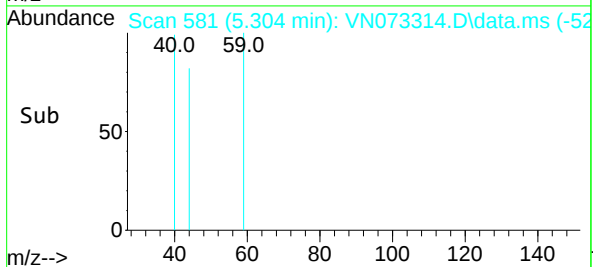
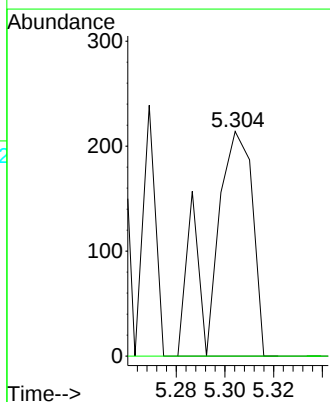
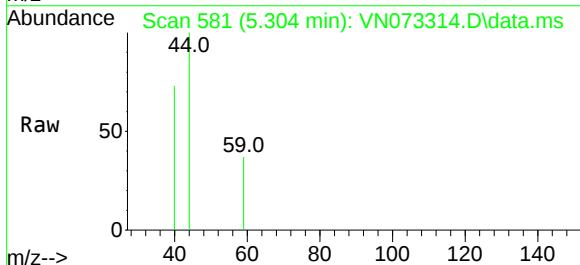


Tgt Ion:142 Resp: 209
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.245 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.023 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

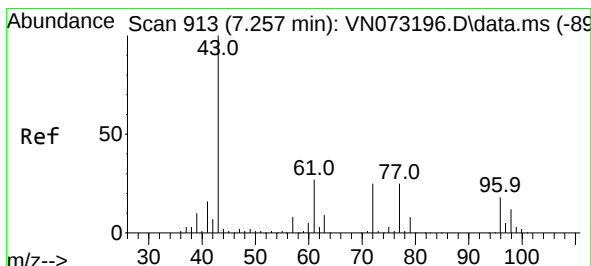
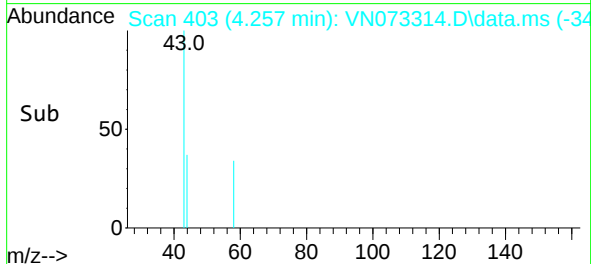
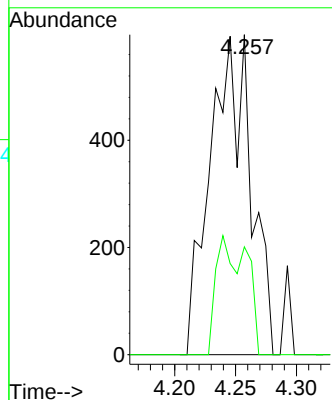
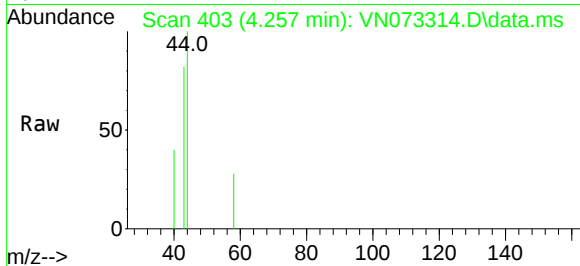




#16
Acetone
Concen: 0.579 ug/l
RT: 4.257 min Scan# 403
Delta R.T. 0.035 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

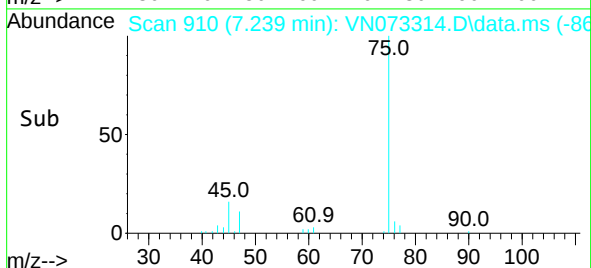
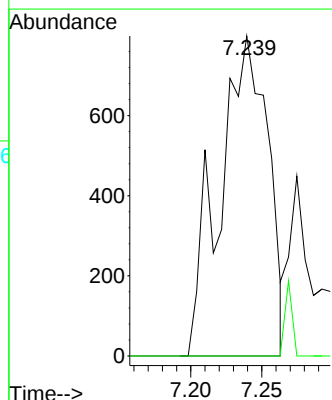
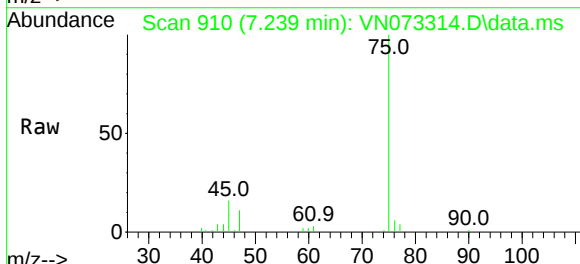
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80DL

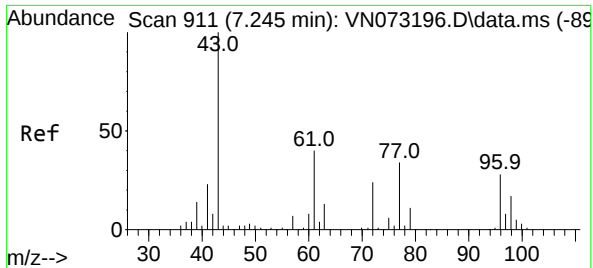
Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
58 33.7 26.0 39.0



#25
2-Butanone
Concen: 0.500 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.018 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Tgt Ion: 43 Resp: 1896
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

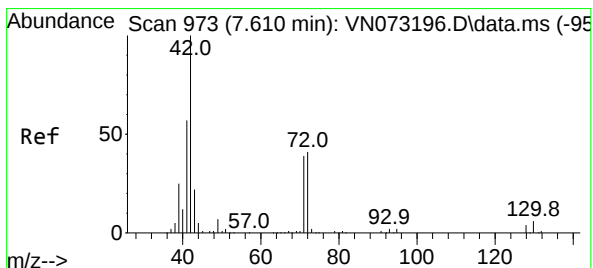
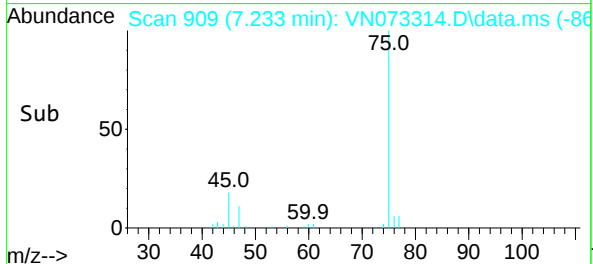
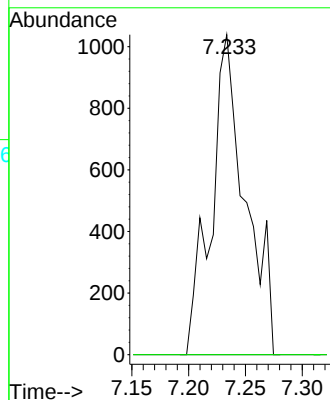
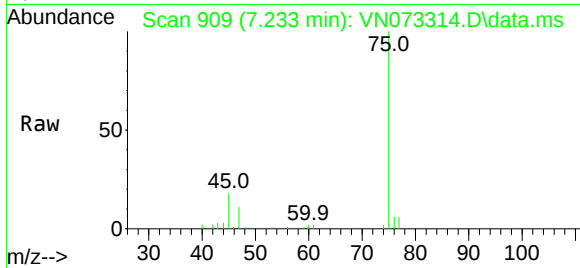




#26
2,2-Dichloropropane
Concen: 0.334 ug/l
RT: 7.233 min Scan# 909
Delta R.T. -0.012 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

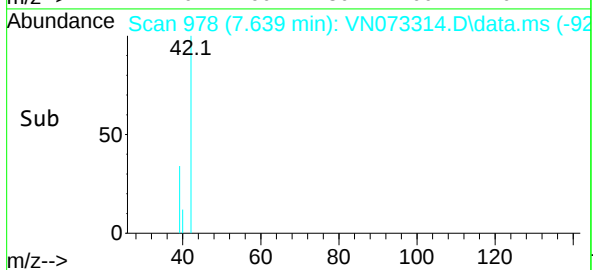
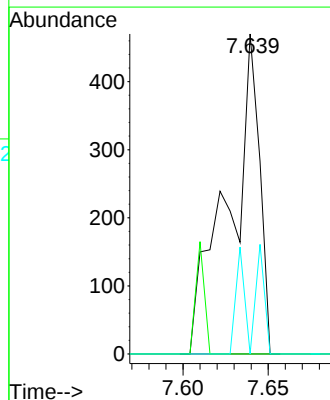
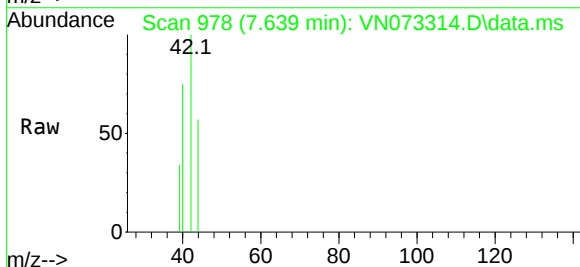
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80DL

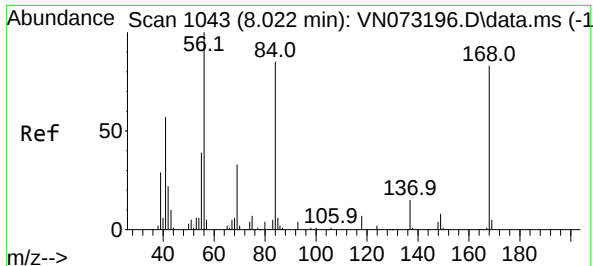
Tgt Ion: 77 Resp: 2178
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.227 ug/l
RT: 7.639 min Scan# 978
Delta R.T. 0.029 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Tgt Ion: 42 Resp: 589
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 19.0 36.6 55.0#

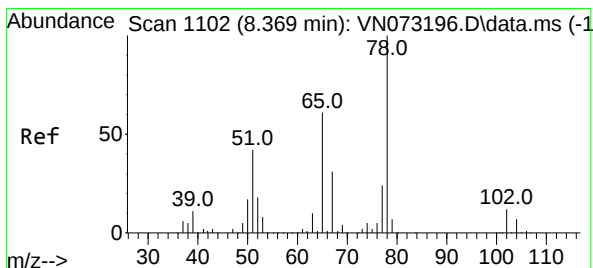
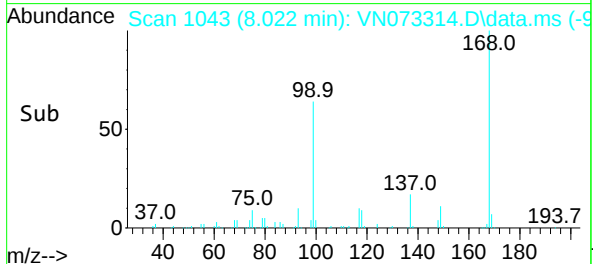
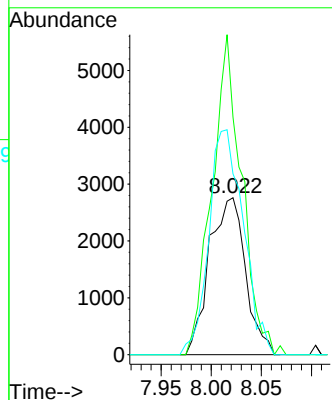
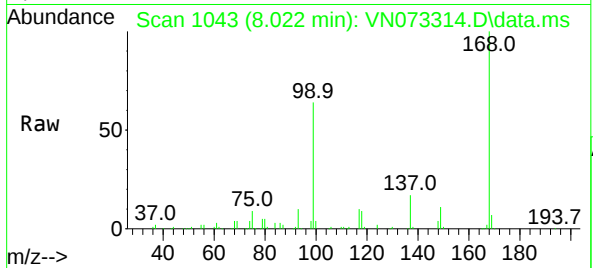




#31
Cyclohexane
Concen: 0.993 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

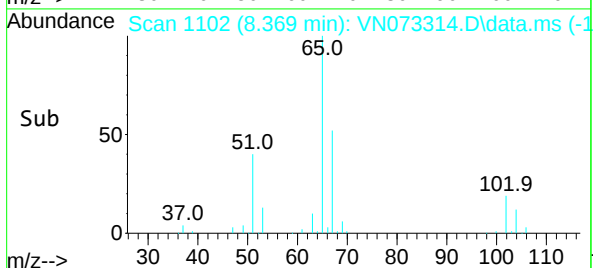
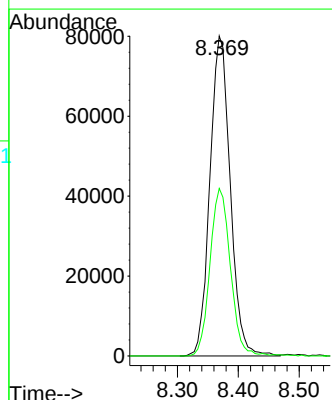
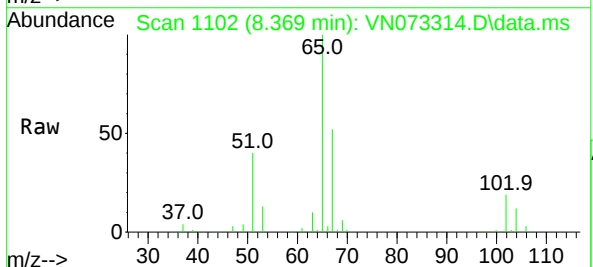
Instrument :
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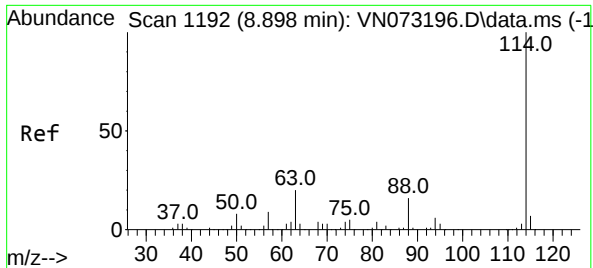
Tgt Ion: 56 Resp: 6900
Ion Ratio Lower Upper
56 100
69 151.3 27.8 41.8#
84 115.2 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 43.805 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Tgt Ion: 65 Resp: 185944
Ion Ratio Lower Upper
65 100
67 52.6 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: VN073314.D

Acq: 05 Jul 2022 14:45

Instrument :

MSVOA_N

ClientSampleId :

152140-SPC-95-80DL

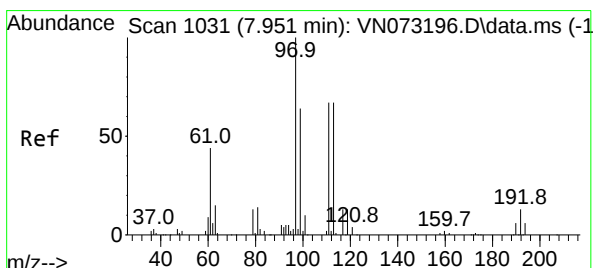
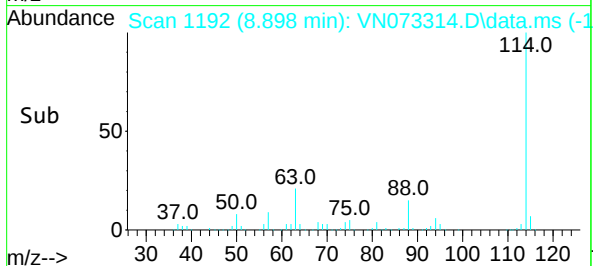
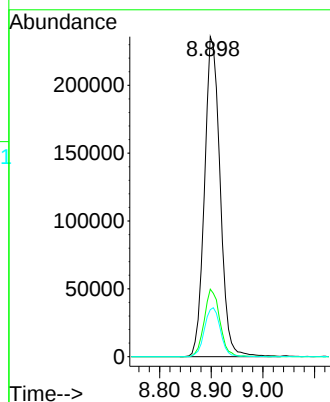
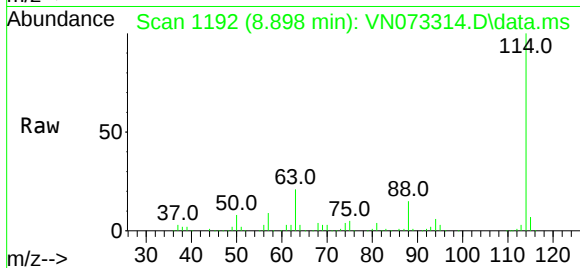
Tgt Ion:114 Resp: 495091

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.173 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073314.D

Acq: 05 Jul 2022 14:45

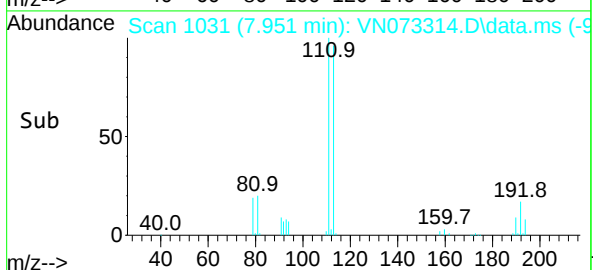
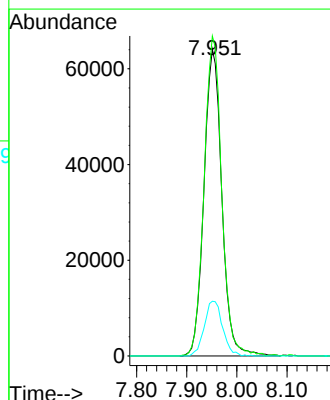
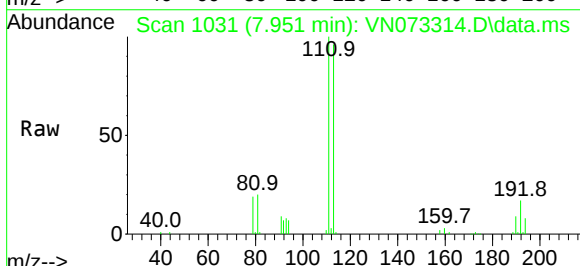
Tgt Ion:113 Resp: 158678

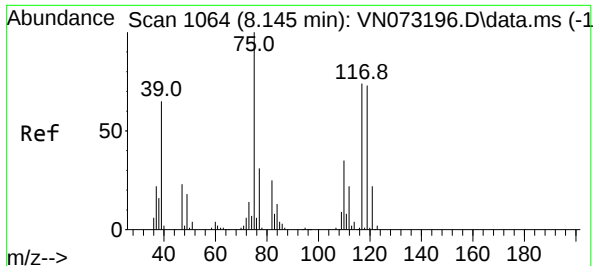
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 18.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.728 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073314.D

Acq: 05 Jul 2022 14:45

Instrument :

MSVOA_N

ClientSampleId :

152140-SPC-95-80DL

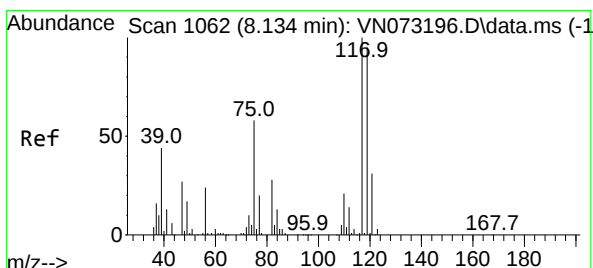
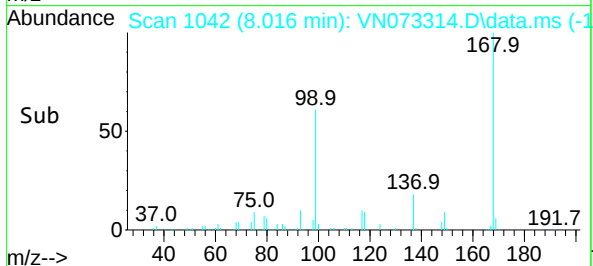
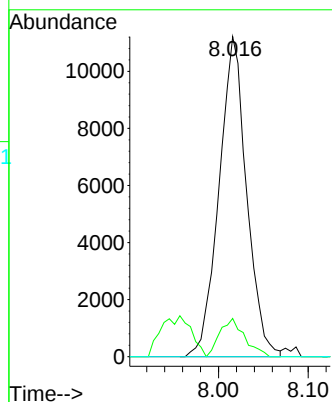
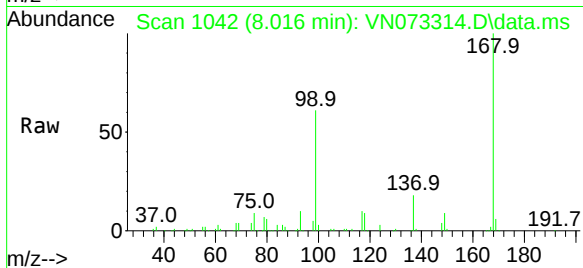
Tgt Ion: 75 Resp: 23964

Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.986 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073314.D

Acq: 05 Jul 2022 14:45

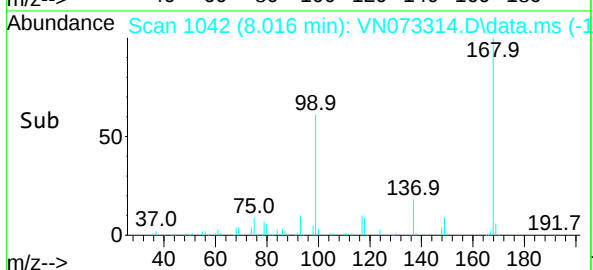
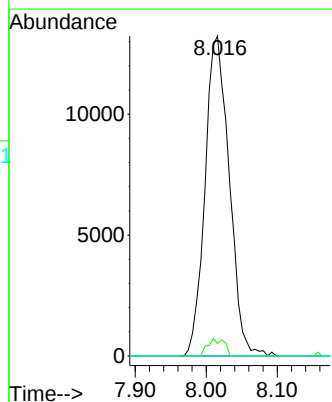
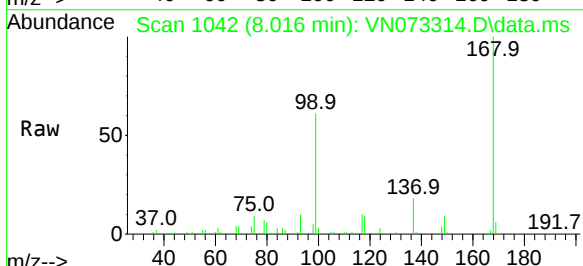
Tgt Ion: 117 Resp: 31376

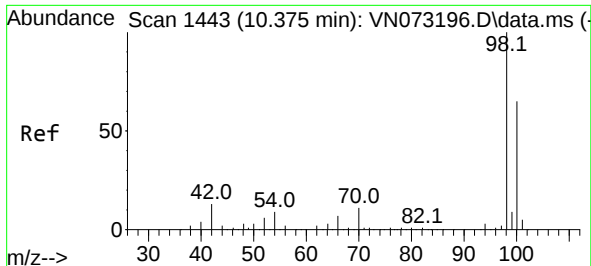
Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

121 0.0 24.6 37.0#

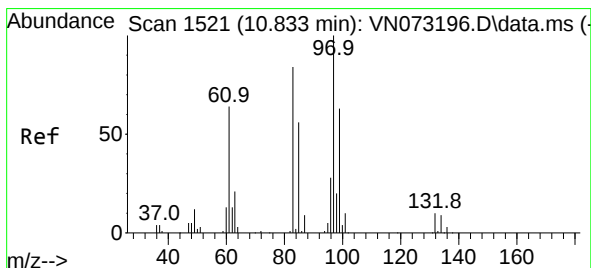
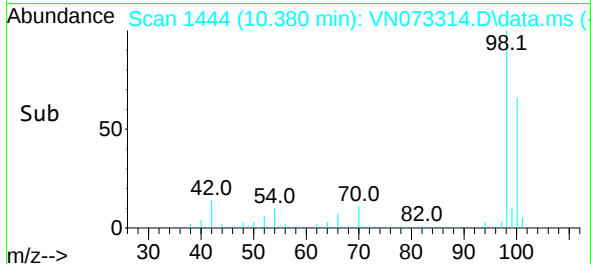
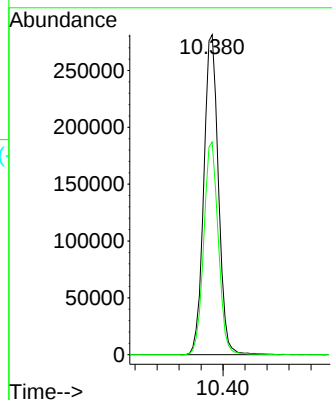
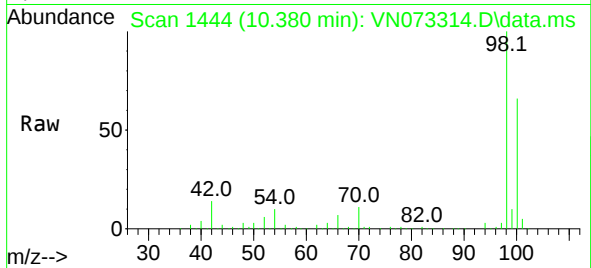




#50
Toluene-d8
Concen: 44.421 ug/l
RT: 10.380 min Scan# 1443
Delta R.T. 0.005 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

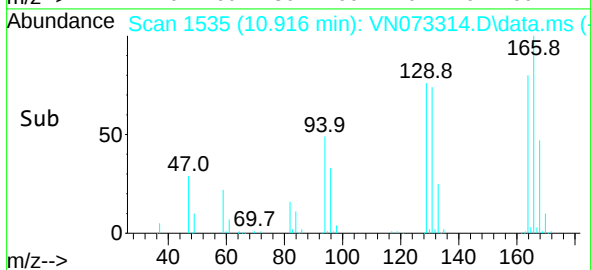
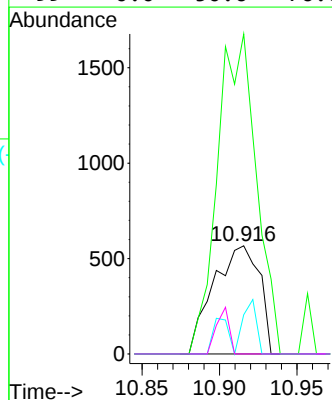
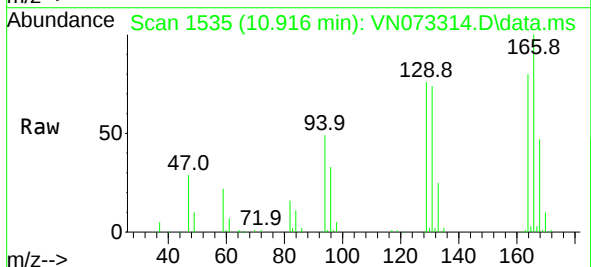
Instrument :
MSVOA_N
ClientSampleId :
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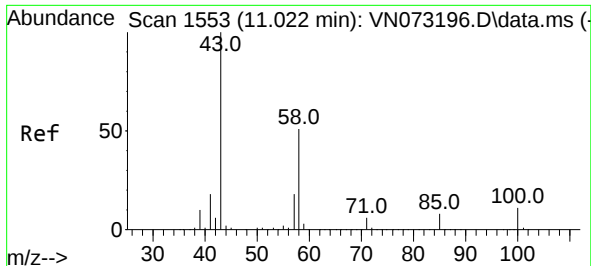
Tgt Ion: 98 Resp: 519670
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.293 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.083 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Tgt Ion: 97 Resp: 1168
Ion Ratio Lower Upper
97 100
83 295.8 66.2 99.4#
85 36.3 43.9 65.9#
99 0.0 50.6 76.0#

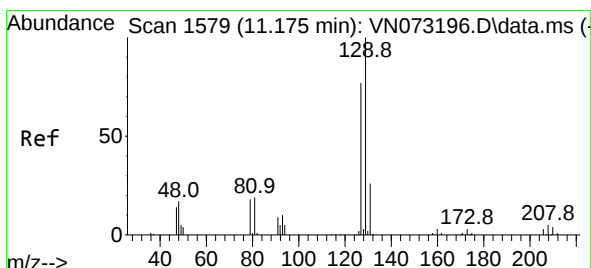
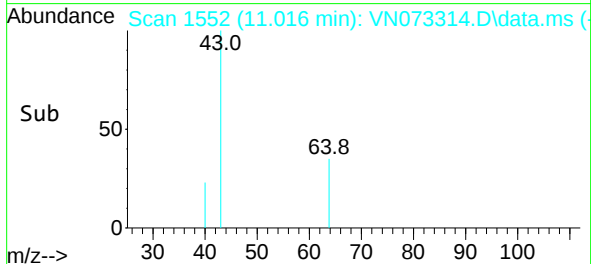
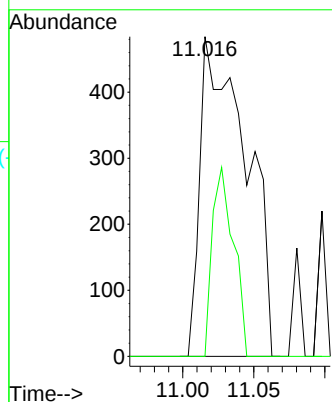
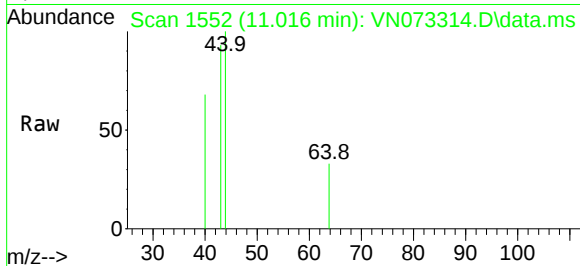




#59
2-Hexanone
Concen: 0.204 ug/l
RT: 11.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

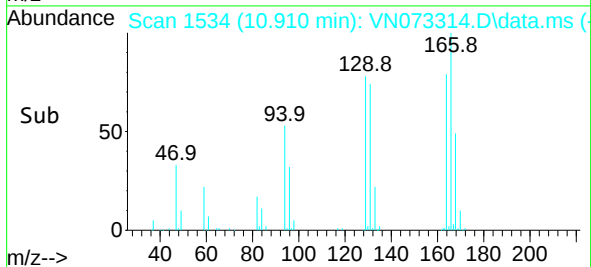
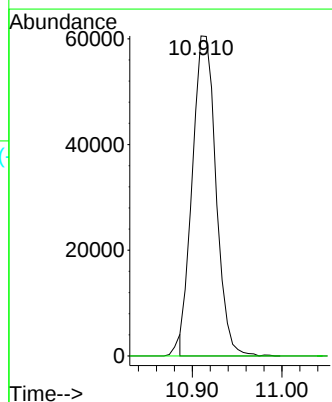
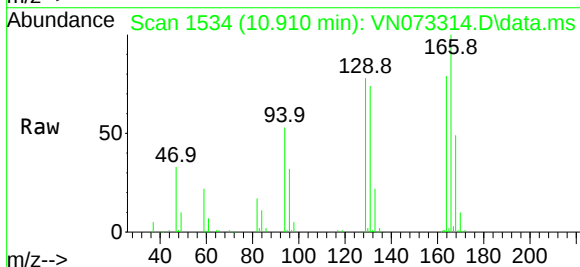
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80DL

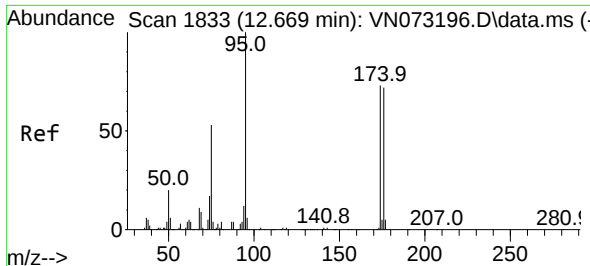
Tgt Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
58 27.4 29.7 89.1#



#60
Dibromochloromethane
Concen: 29.091 ug/l
RT: 10.910 min Scan# 1534
Delta R.T. -0.265 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Tgt Ion: 129 Resp: 110379
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

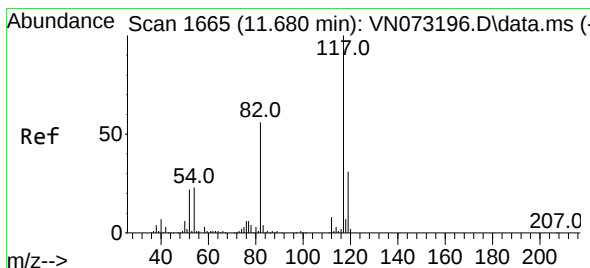
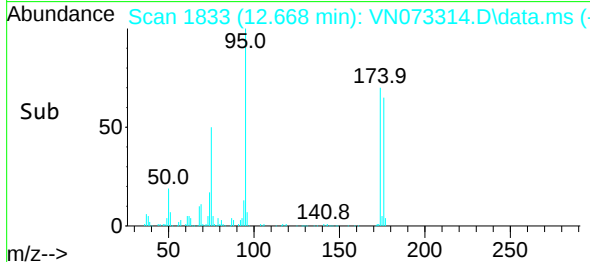
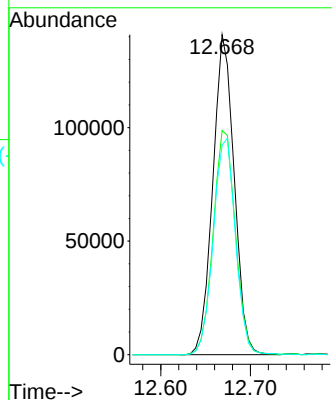
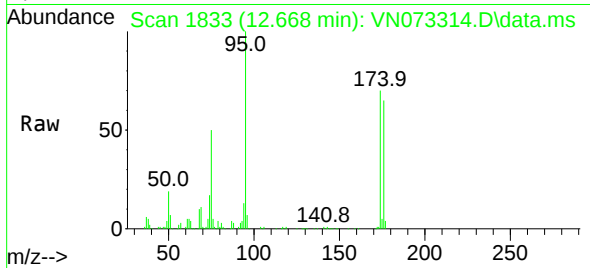




#62
4-Bromofluorobenzene
Concen: 51.818 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

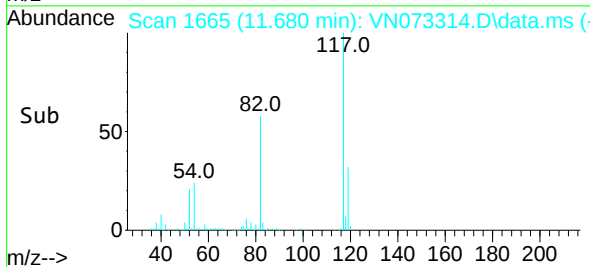
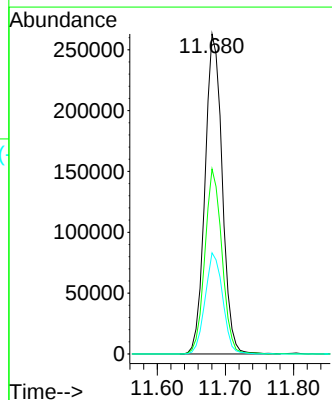
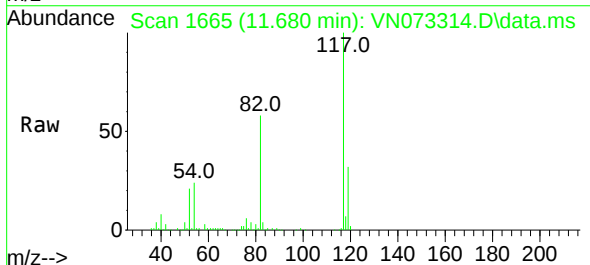
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80DL

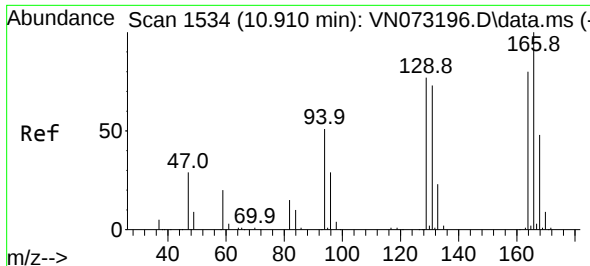
Tgt Ion: 95 Resp: 232966
Ion Ratio Lower Upper
95 100
174 73.1 0.0 167.6
176 70.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Tgt Ion: 117 Resp: 462189
Ion Ratio Lower Upper
117 100
82 57.8 44.2 66.2
119 31.6 25.4 38.0

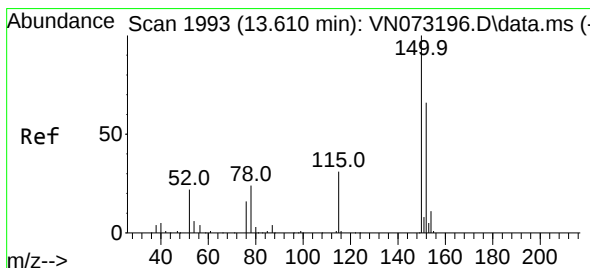
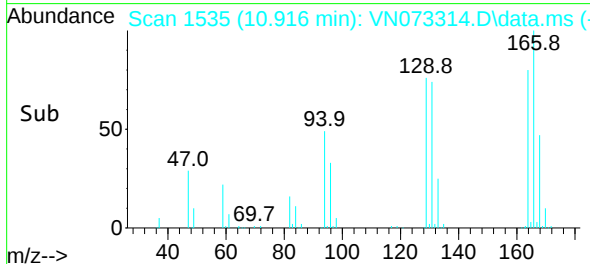
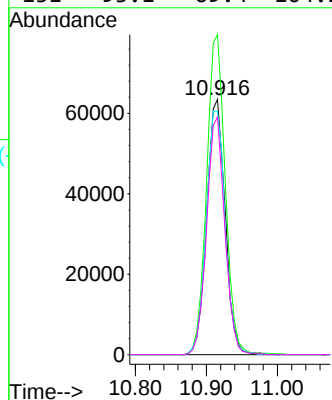
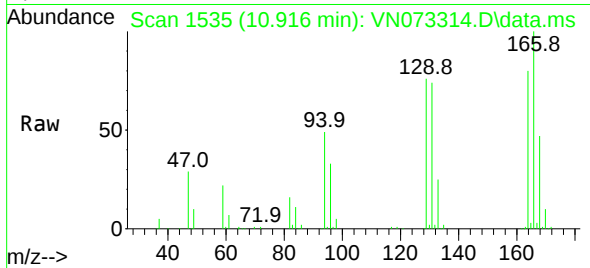




#64
Tetrachloroethene
Concen: 30.474 ug/l
RT: 10.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

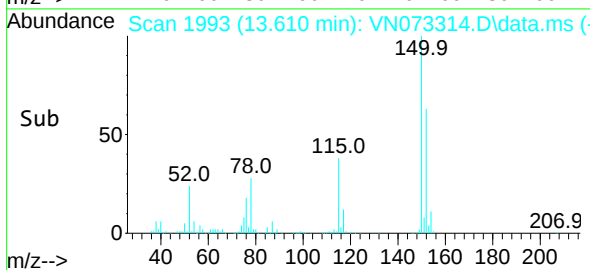
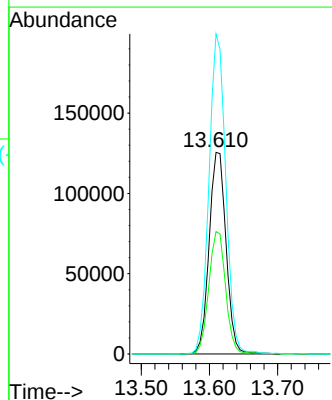
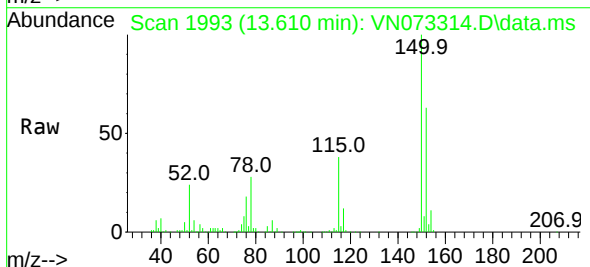
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80DL

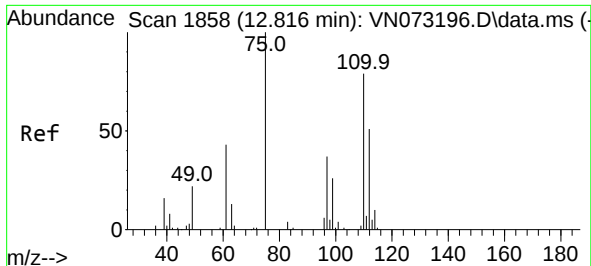
Tgt Ion:164 Resp: 115014
Ion Ratio Lower Upper
164 100
166 125.3 104.2 156.2
129 95.2 73.9 110.9
131 93.1 69.4 104.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Tgt Ion:152 Resp: 217506
Ion Ratio Lower Upper
152 100
115 60.4 28.9 86.7
150 157.1 0.0 356.2

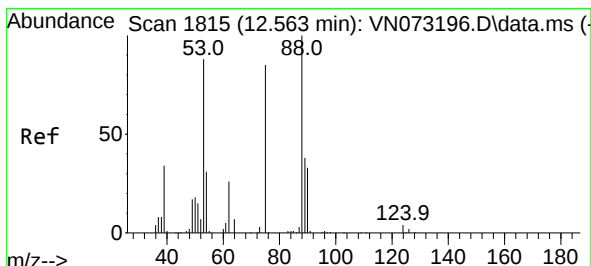
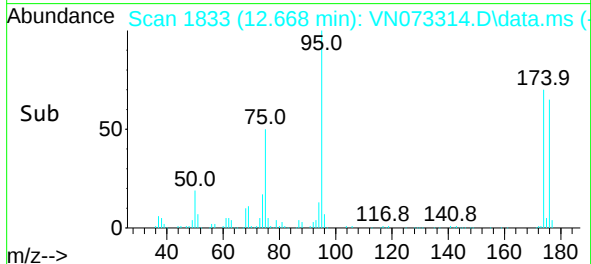
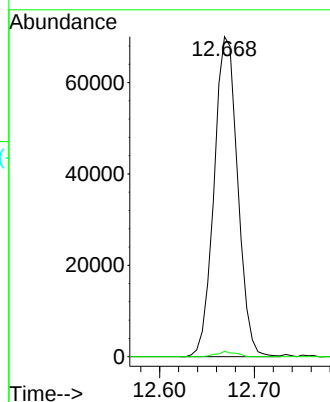
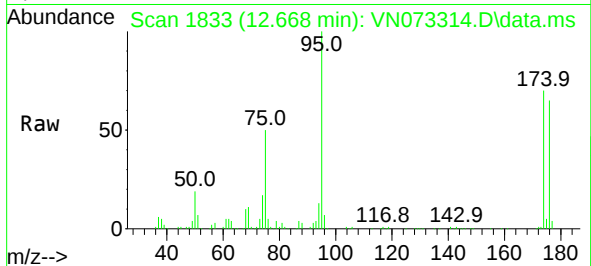




#76
1,2,3-Trichloropropane
Concen: 21.366 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

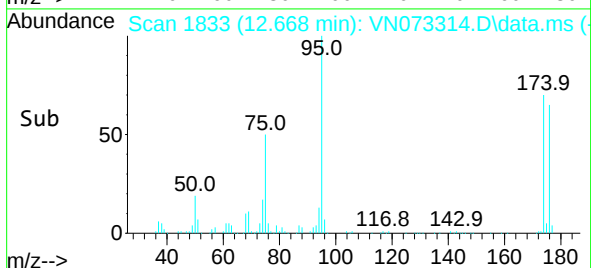
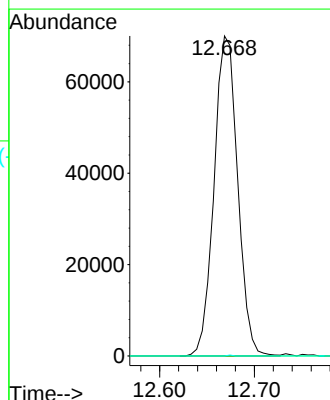
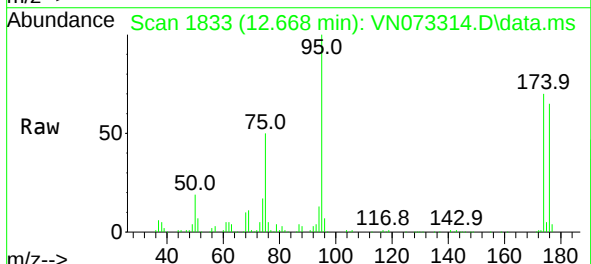
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80DL

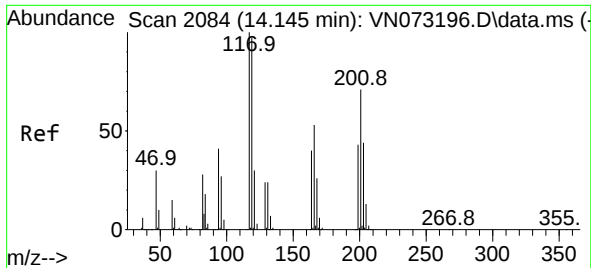
Tgt Ion: 75 Resp: 121513
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.594 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

Tgt Ion: 75 Resp: 121513
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

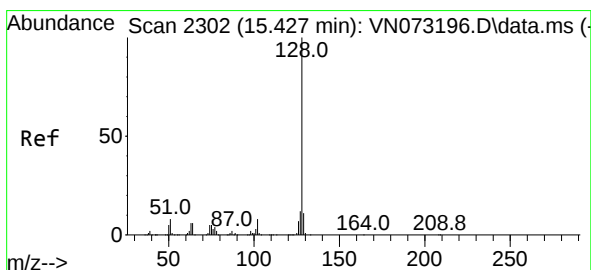
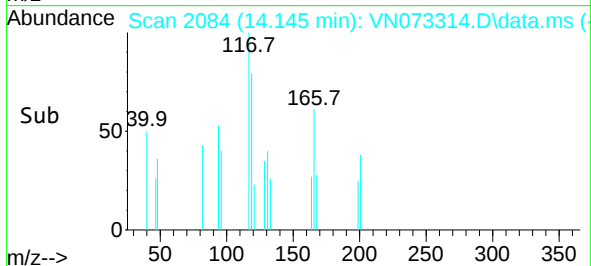
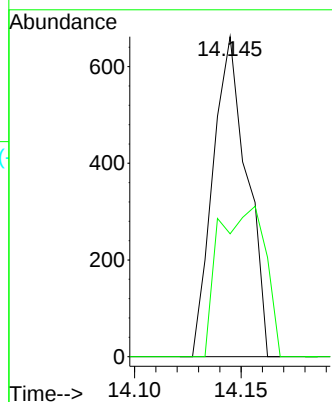
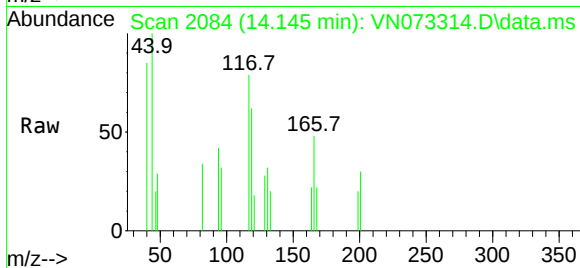




#90
Hexachloroethane
Concen: 0.265 ug/l
RT: 14.145 min Scan# 2084
Delta R.T. -0.000 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

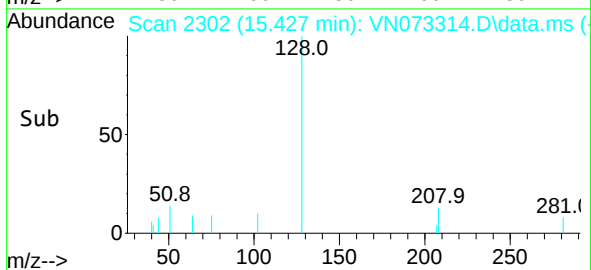
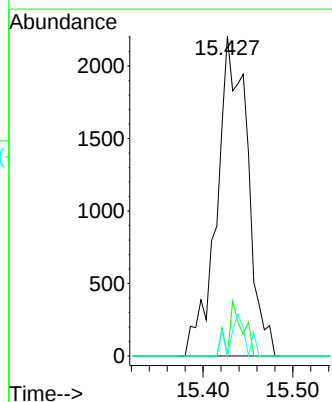
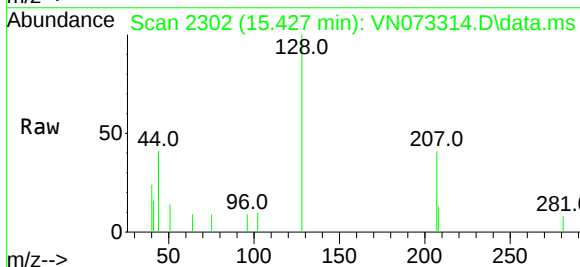
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80DL

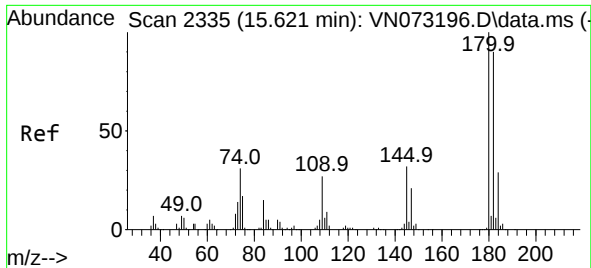
Tgt Ion:117 Resp: 735
Ion Ratio Lower Upper
117 100
201 64.5 40.6 122.0



#95
Naphthalene
Concen: 0.312 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN073314.D
Acq: 05 Jul 2022 14:45

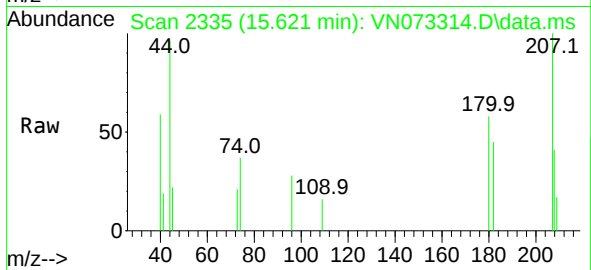
Tgt Ion:128 Resp: 5238
Ion Ratio Lower Upper
128 100
127 8.0 10.3 15.5#
129 6.8 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.230 ug/l
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073314.D
 Acq: 05 Jul 2022 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-95-80DL



Tgt Ion:180 Resp: 986
 Ion Ratio Lower Upper
 180 100
 182 64.0 47.8 143.3
 145 0.0 15.5 46.5#

