

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063022\
 Data File : VN073269.D
 Acq On : 30 Jun 2022 16:37
 Operator : JC\MD
 Sample : N3554-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

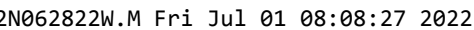
Quant Time: Jul 01 08:08:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

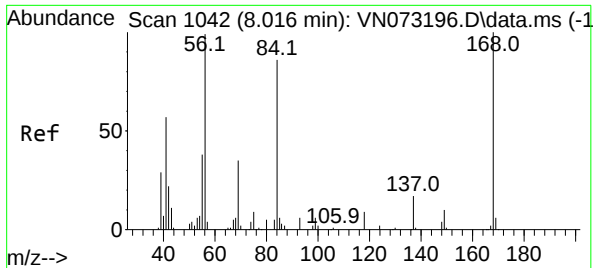
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	291420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	479233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	442148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	212973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	182742	43.438	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.880%		
35) Dibromofluoromethane	7.951	113	155832	48.875	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.740%		
50) Toluene-d8	10.381	98	504276	44.531	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.060%		
62) 4-Bromofluorobenzene	12.669	95	220673	50.708	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.420%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.234	64	776	0.375	ug/l #	42
16) Acetone	4.240	43	7862	3.329	ug/l #	83
17) Carbon Disulfide	4.463	76	6338	0.712	ug/l #	93
25) 2-Butanone	7.281	43	2727	0.725	ug/l #	87
27) cis-1,2-Dichloroethene	7.245	96	6568	1.513	ug/l	95
31) Cyclohexane	8.010	56	6850	0.994	ug/l #	3
36) 1,1-Dichloropropene	8.010	75	24253	4.944	ug/l #	49
37) Ethyl Acetate	7.281	43	2727	0.368	ug/l #	67
38) Carbon Tetrachloride	8.016	117	30082	5.929	ug/l #	18
71) Bromoform	12.669	173	1799	0.668	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	112709	20.239	ug/l #	1
78) n-propylbenzene	12.857	91	4325	0.212	ug/l	77
81) trans-1,4-Dichloro-2-b...	12.669	75	112709	55.506	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.310	105	3217	0.215	ug/l	93
85) sec-Butylbenzene	13.439	105	9550	0.529	ug/l	88
86) p-Isopropyltoluene	13.551	119	9958	0.683	ug/l	92
87) 1,3-Dichlorobenzene	13.557	146	1575	0.205	ug/l	78
88) 1,4-Dichlorobenzene	13.633	146	13059	1.699	ug/l #	82
89) n-Butylbenzene	13.880	91	4234	0.349	ug/l #	68
90) Hexachloroethane	14.157	117	4588	1.689	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.521	75	601	0.405	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.186	180	1059	0.260	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.639	180	928	0.221	ug/l #	37

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

Quant Time: Jul 01 08:08:23 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

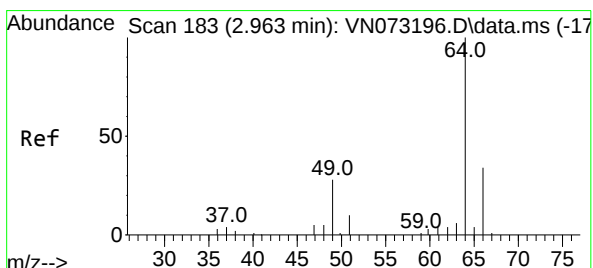
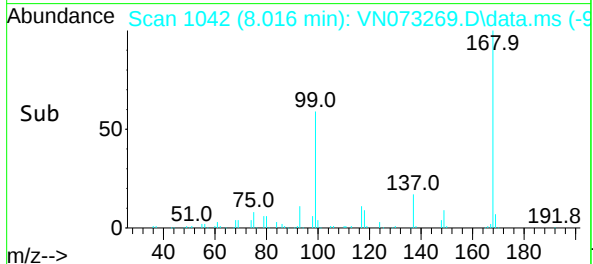
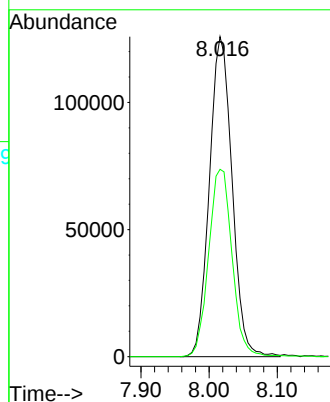
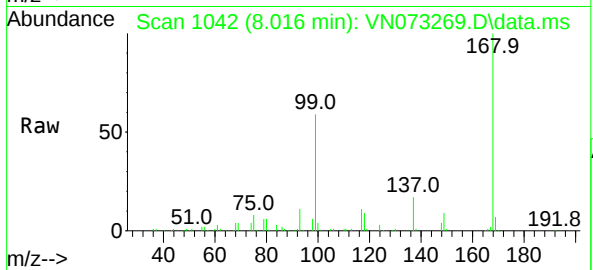




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

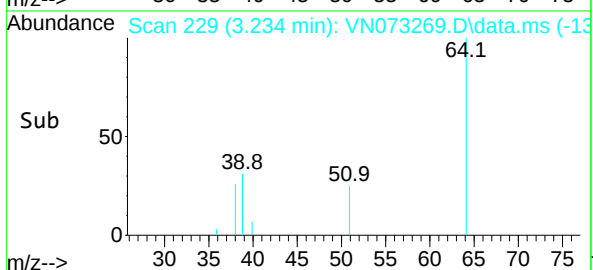
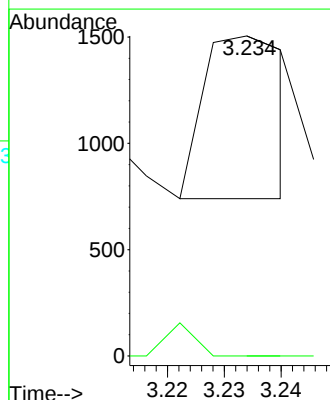
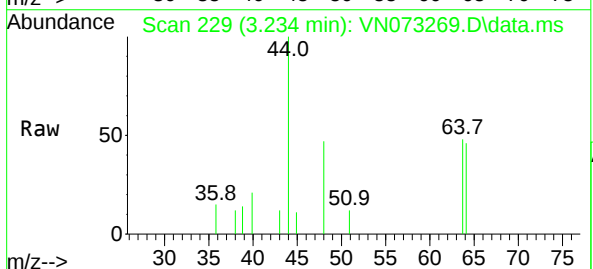
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 291420
Ion Ratio Lower Upper
168 100
99 58.5 42.3 63.5



#6
Chloroethane
Concen: 0.375 ug/l
RT: 3.234 min Scan# 229
Delta R.T. 0.271 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Tgt Ion: 64 Resp: 776
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

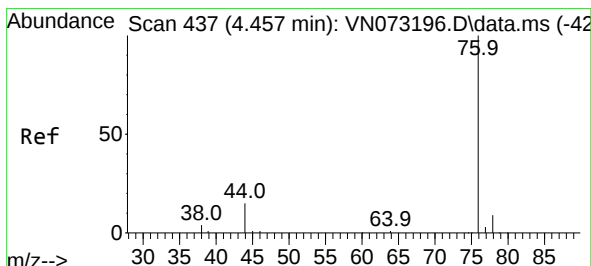
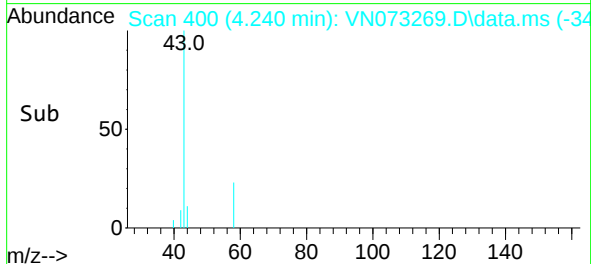
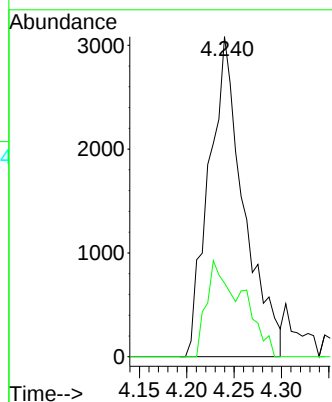
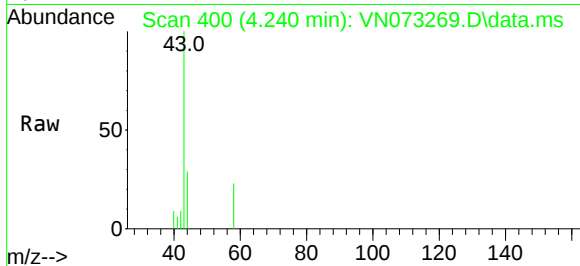




#16
Acetone
Concen: 3.329 ug/l
RT: 4.240 min Scan# 40
Delta R.T. 0.018 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

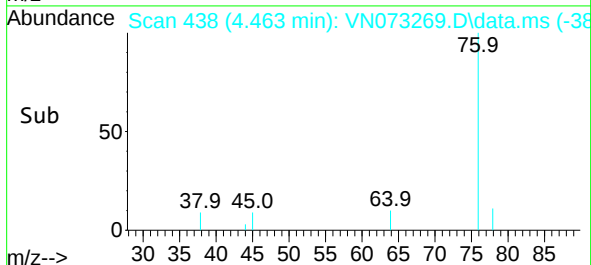
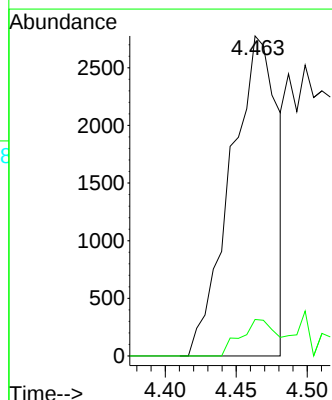
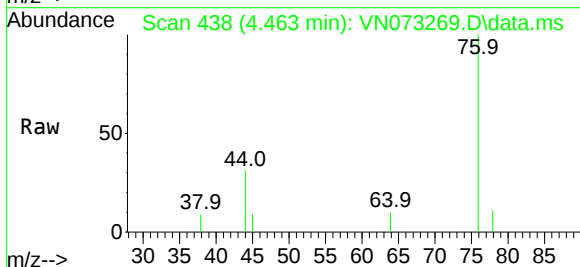
Instrument :
MSVOA_N
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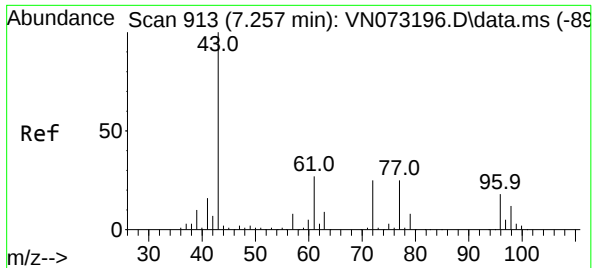
Tgt Ion: 43 Resp: 7862
Ion Ratio Lower Upper
43 100
58 23.0 26.0 39.0#



#17
Carbon Disulfide
Concen: 0.712 ug/l
RT: 4.463 min Scan# 438
Delta R.T. 0.006 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

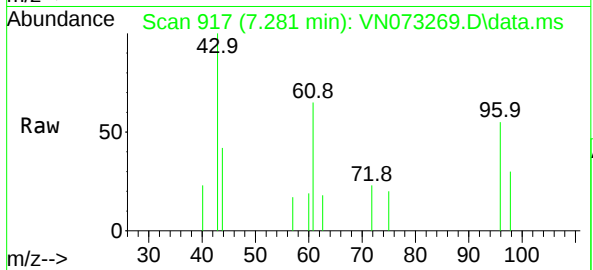
Tgt Ion: 76 Resp: 6338
Ion Ratio Lower Upper
76 100
78 11.4 7.2 10.8#



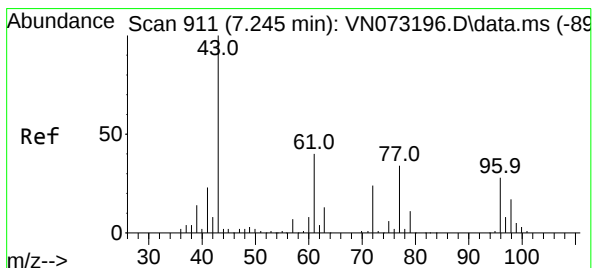
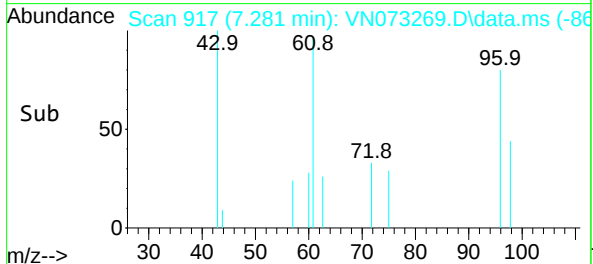
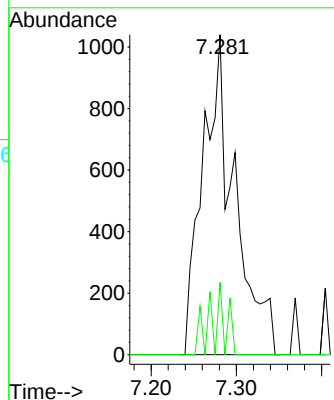


#25
2-Butanone
Concen: 0.725 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.024 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

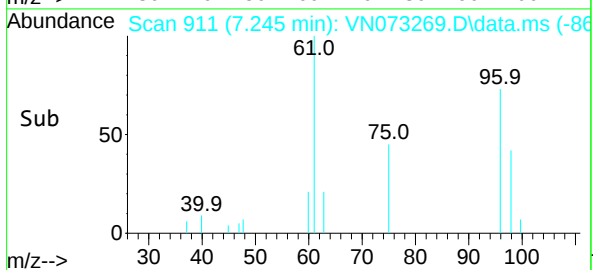
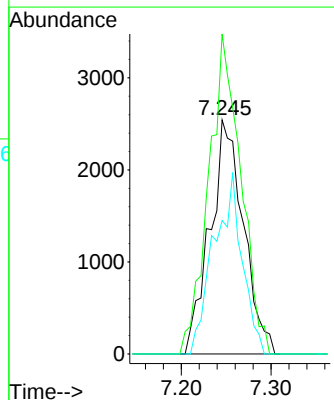
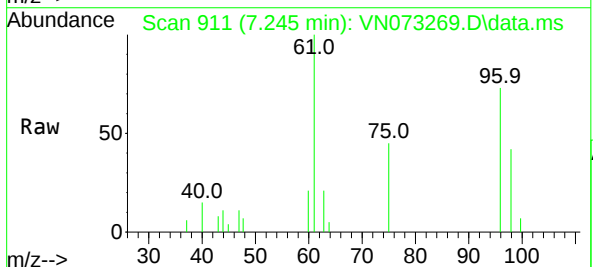


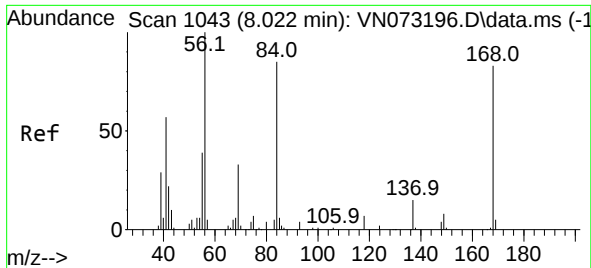
Tgt Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
72 22.6 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 1.513 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

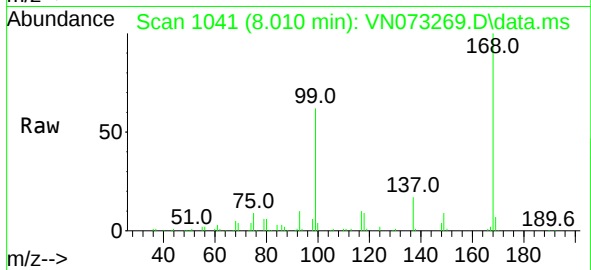
Tgt Ion: 96 Resp: 6568
Ion Ratio Lower Upper
96 100
61 131.6 0.0 280.6
98 65.3 0.0 128.4



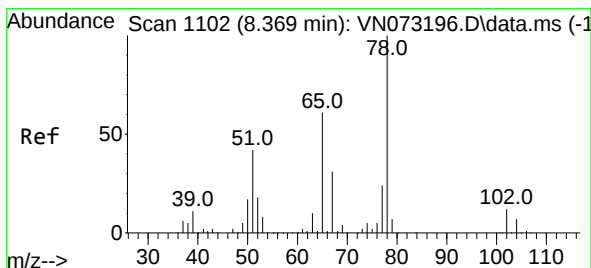
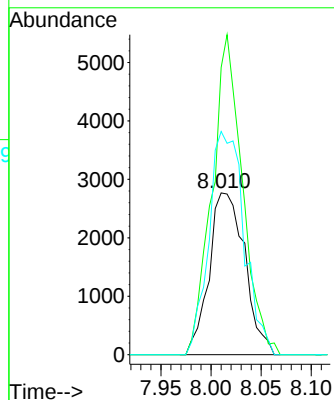
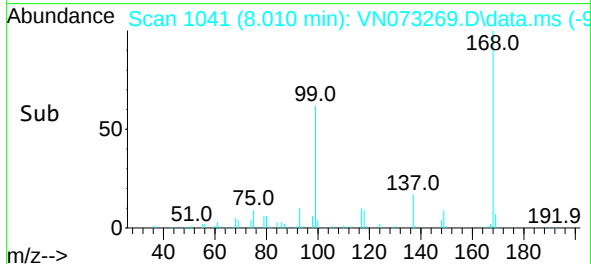


#31
Cyclohexane
Concen: 0.994 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

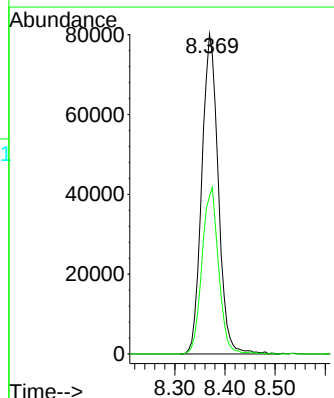
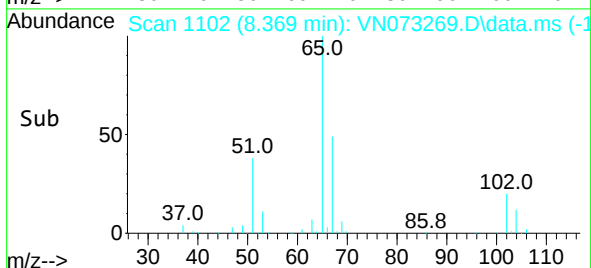
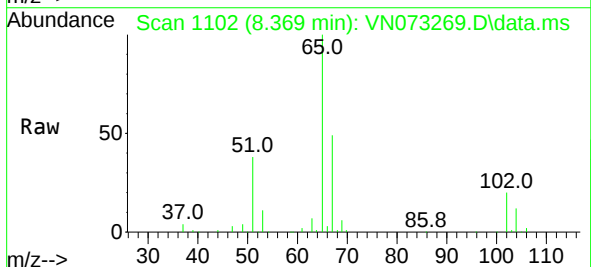


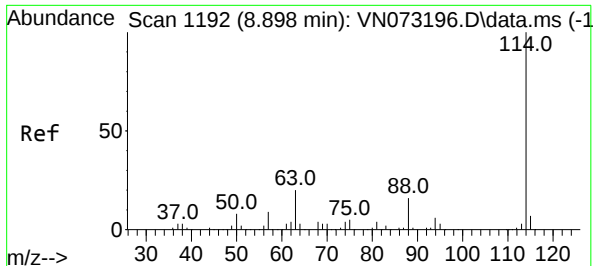
Tgt Ion: 56 Resp: 6850
Ion Ratio Lower Upper
56 100
69 177.5 27.8 41.8#
84 138.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.438 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Tgt Ion: 65 Resp: 182742
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8

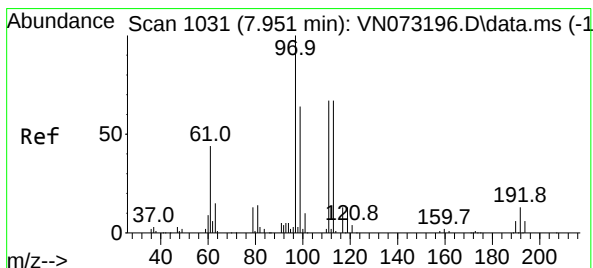
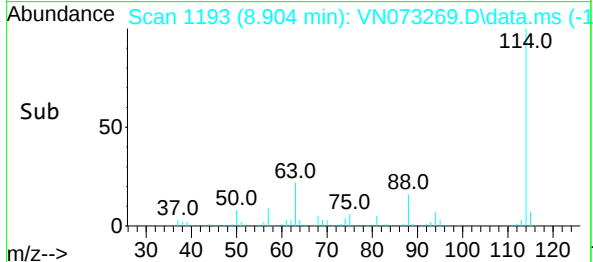
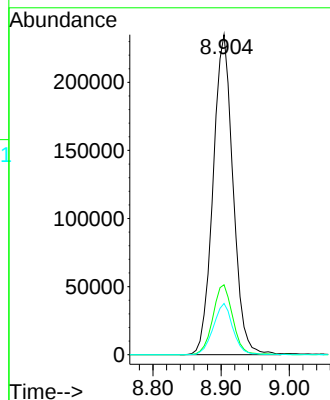
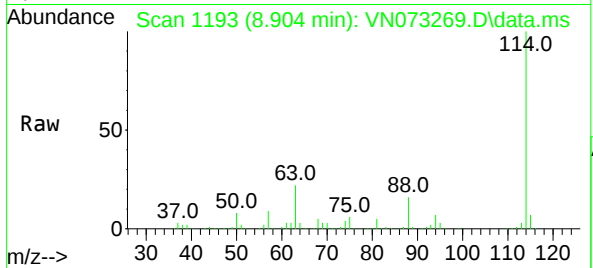




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

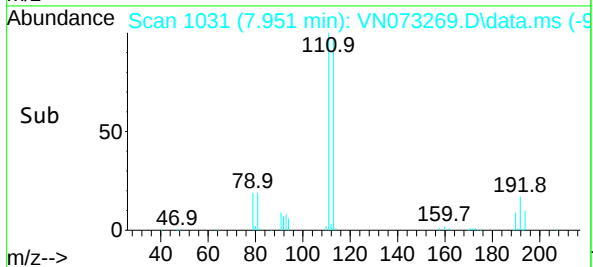
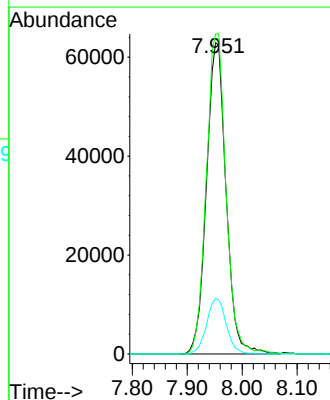
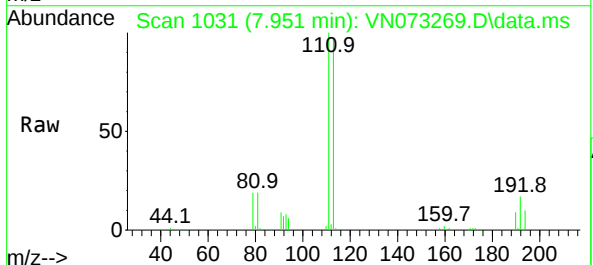
Instrument :
MSVOA_N
ClientSampleId :

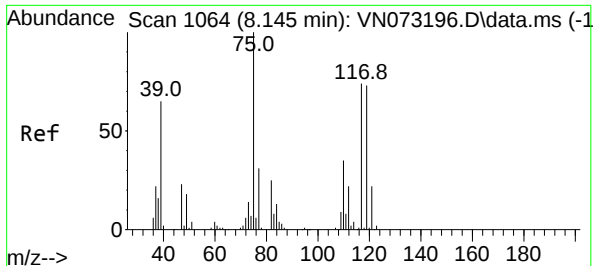
Tgt Ion:114 Resp: 479233
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.0
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.875 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

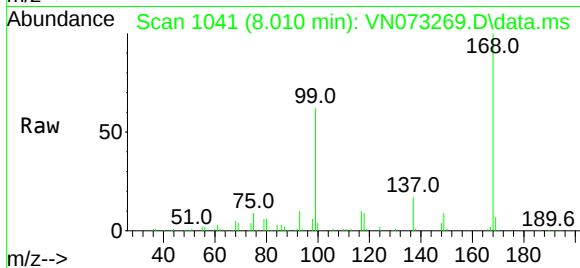
Tgt Ion:113 Resp: 155832
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 17.9 17.0 25.6



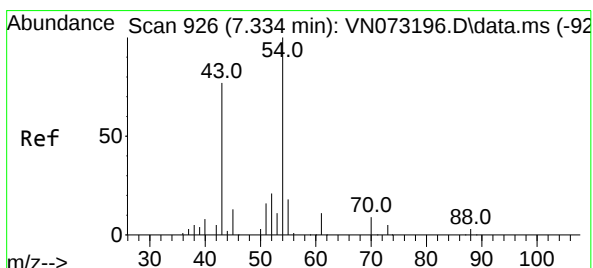
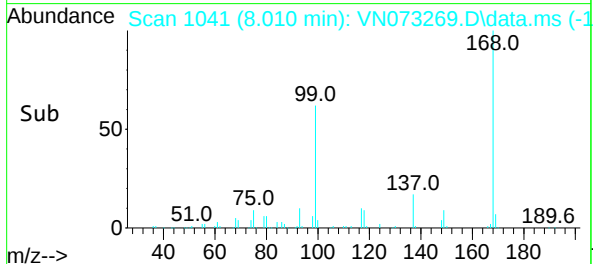
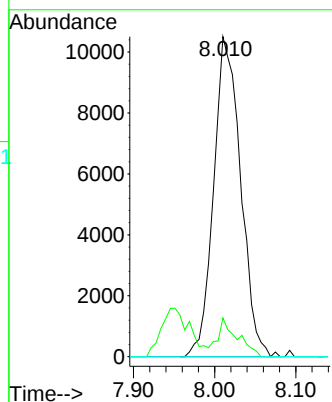


#36
 1,1-Dichloropropene
 Concen: 4.944 ug/l
 RT: 8.010 min Scan# 1041
 Delta R.T. -0.135 min
 Lab File: VN073269.D
 Acq: 30 Jun 2022 16:37

Instrument :
 MSVOA_N
 ClientSampleId :

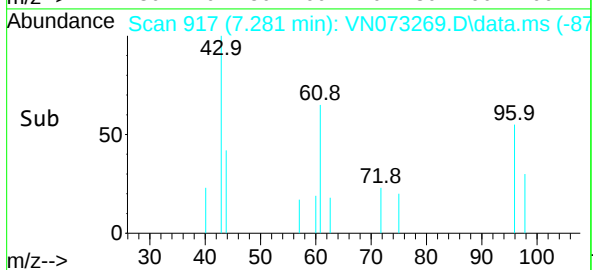
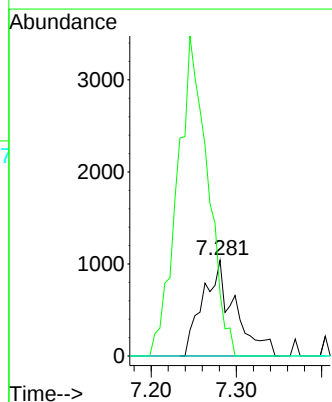
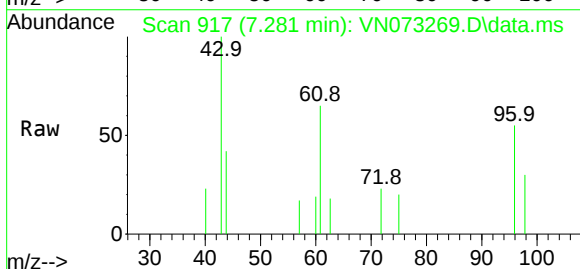


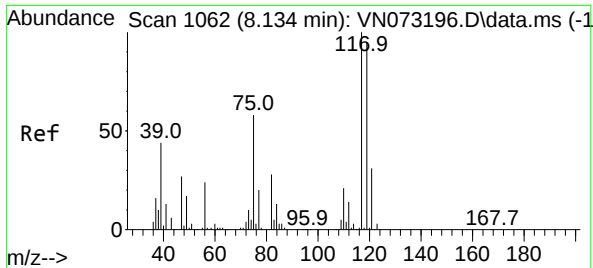
Tgt Ion: 75 Resp: 24253
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.3 54.8#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 0.368 ug/l
 RT: 7.281 min Scan# 917
 Delta R.T. -0.053 min
 Lab File: VN073269.D
 Acq: 30 Jun 2022 16:37

Tgt Ion: 43 Resp: 2727
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.6#
 70 0.0 9.3 13.9#

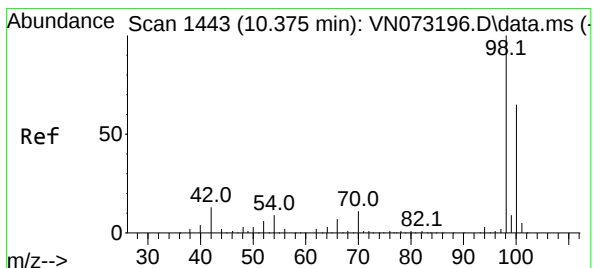
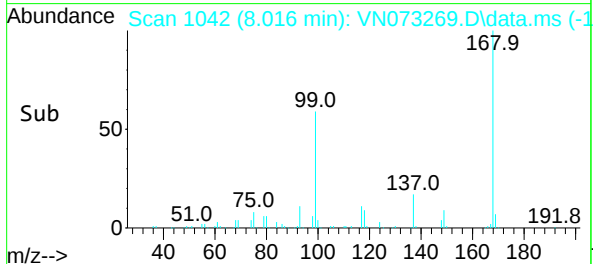
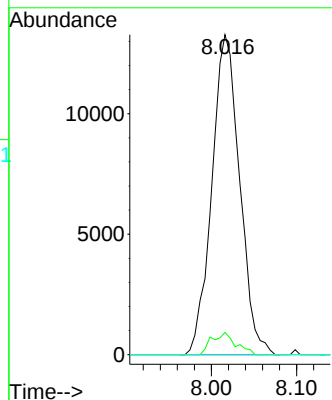
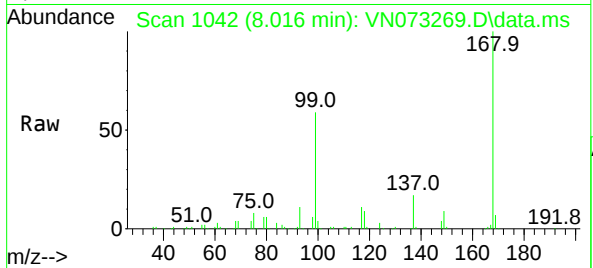




#38
Carbon Tetrachloride
Concen: 5.929 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

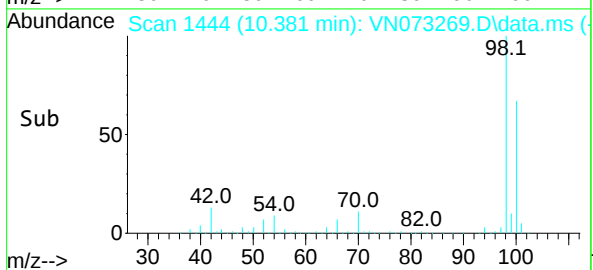
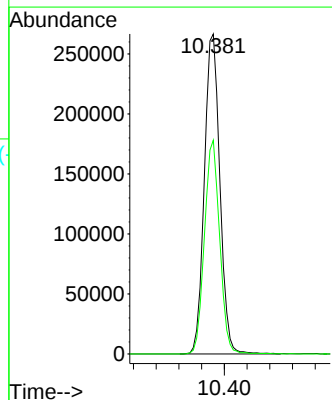
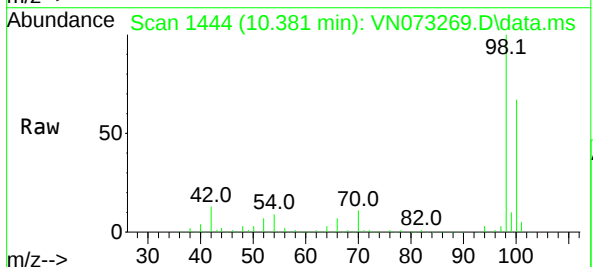
Instrument :
MSVOA_N
ClientSampleId :

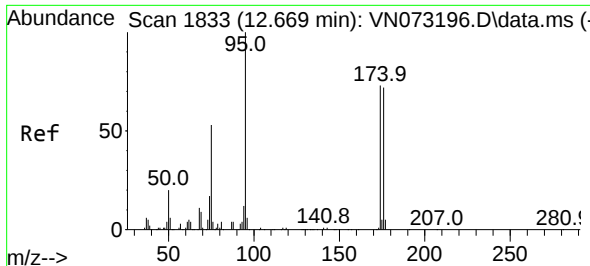
Tgt Ion:117 Resp: 30082
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.531 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Tgt Ion: 98 Resp: 504276
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

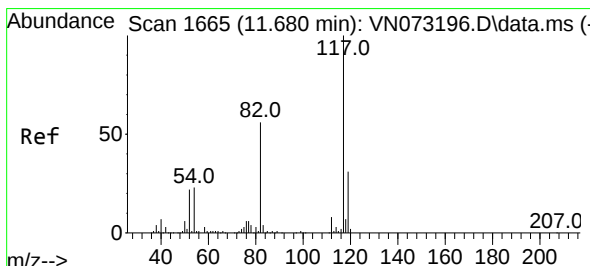
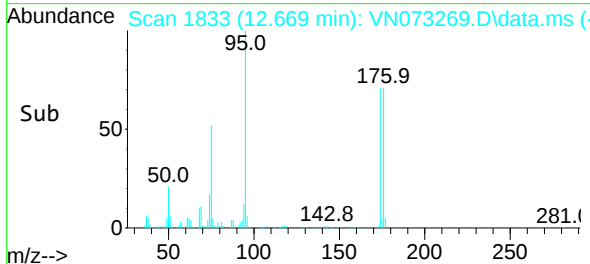
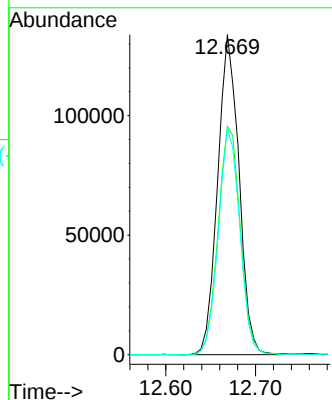
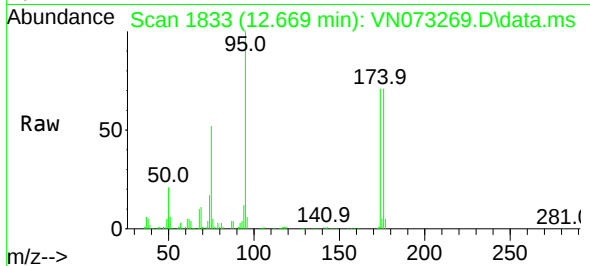




#62
4-Bromofluorobenzene
Concen: 50.708 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

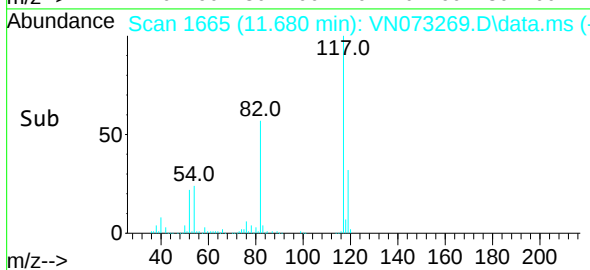
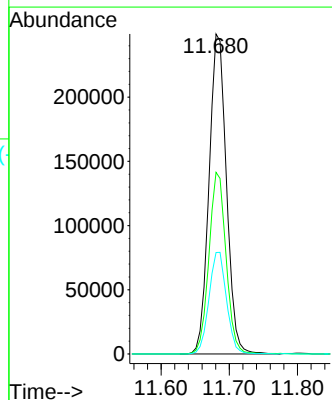
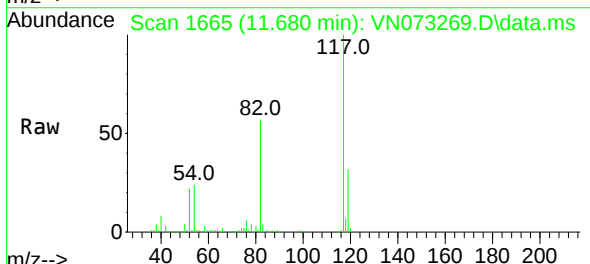
Instrument :
MSVOA_N
ClientSampleId :

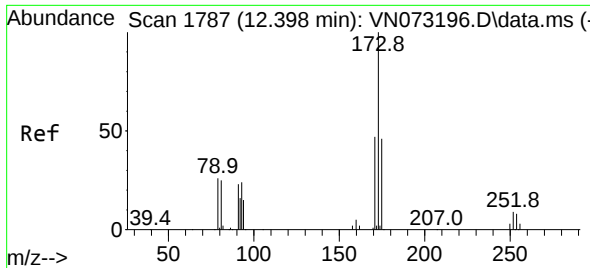
Tgt Ion: 95 Resp: 220673
Ion Ratio Lower Upper
95 100
174 74.4 0.0 167.6
176 71.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

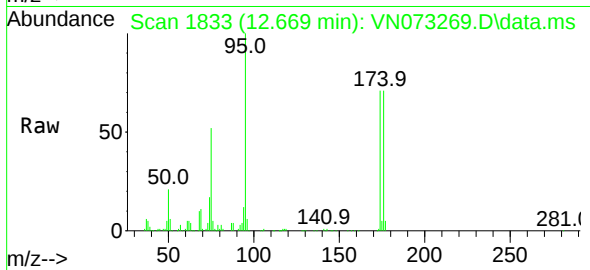
Tgt Ion: 117 Resp: 442148
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 31.7 25.4 38.0



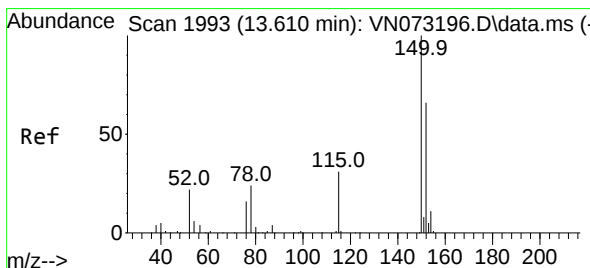
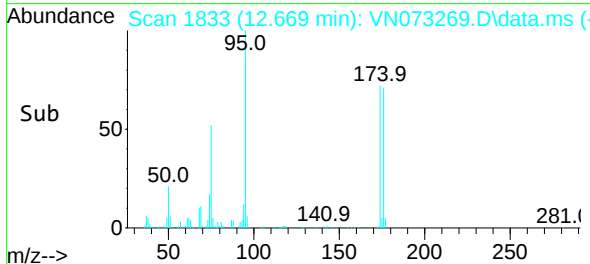
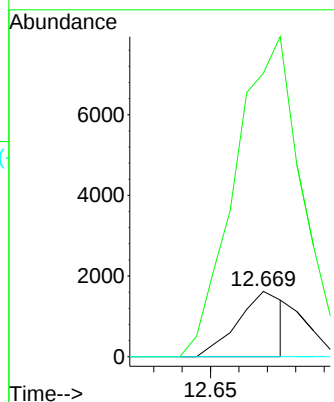


#71
Bromoform
Concen: 0.668 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

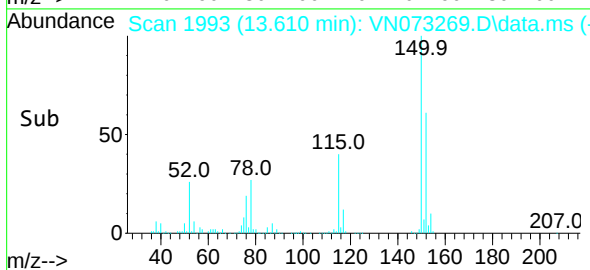
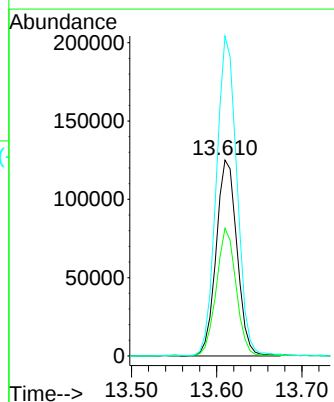
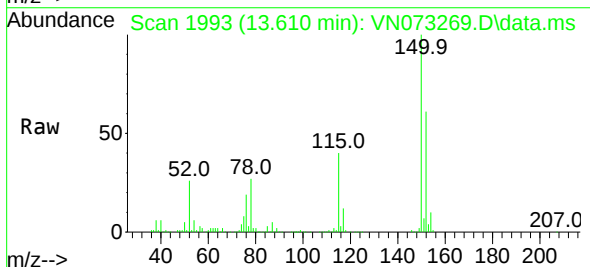


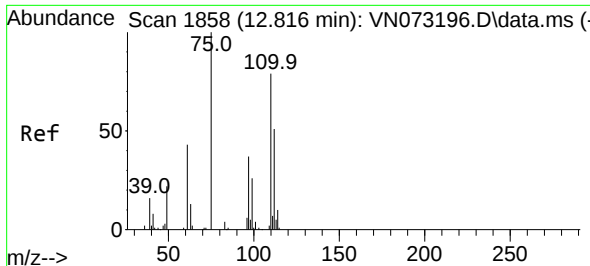
Tgt Ion:173 Resp: 1799
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Tgt Ion:152 Resp: 212973
Ion Ratio Lower Upper
152 100
115 61.3 28.9 86.7
150 161.7 0.0 356.2

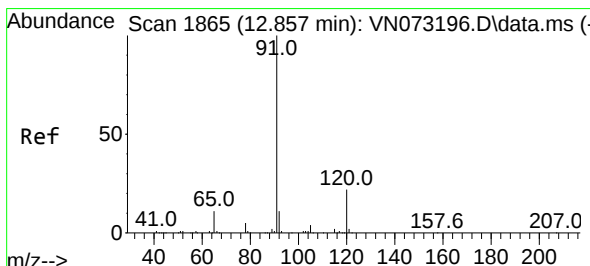
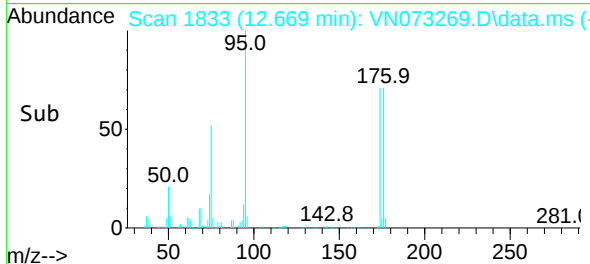
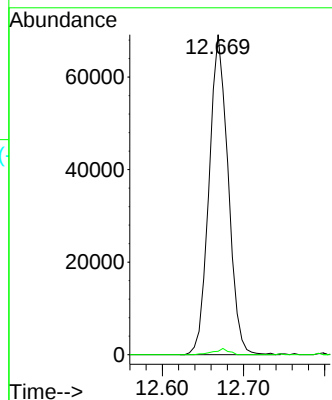
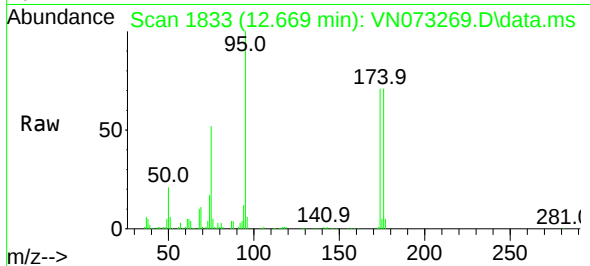




#76
1,2,3-Trichloropropane
Concen: 20.239 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

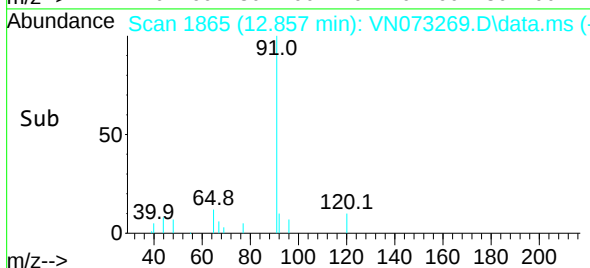
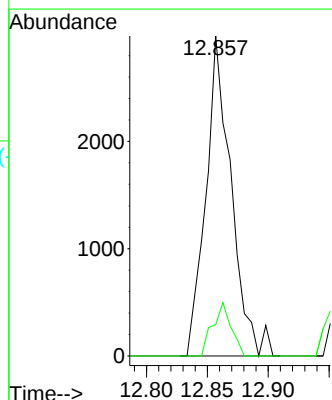
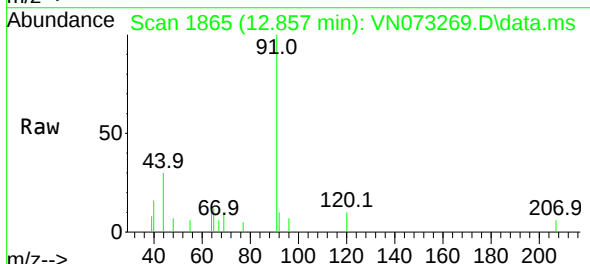
Instrument :
MSVOA_N
ClientSampleId :

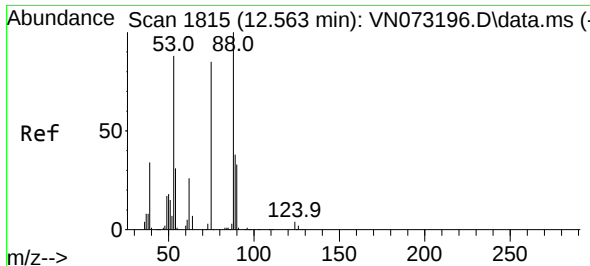
Tgt Ion: 75 Resp: 112709
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#78
n-propylbenzene
Concen: 0.212 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Tgt Ion: 91 Resp: 4325
Ion Ratio Lower Upper
91 100
120 12.2 11.9 35.5

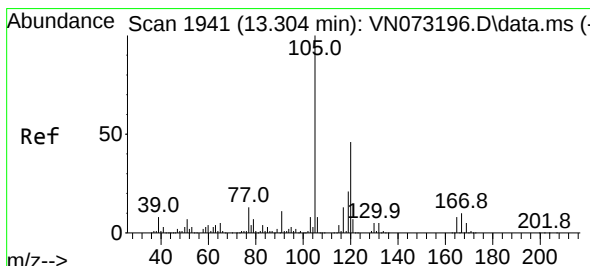
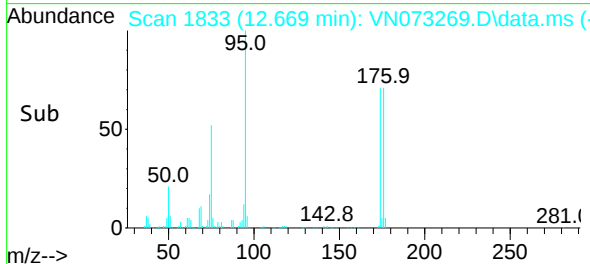
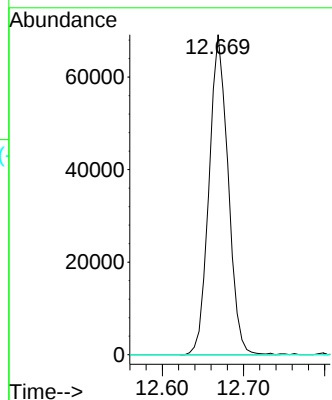
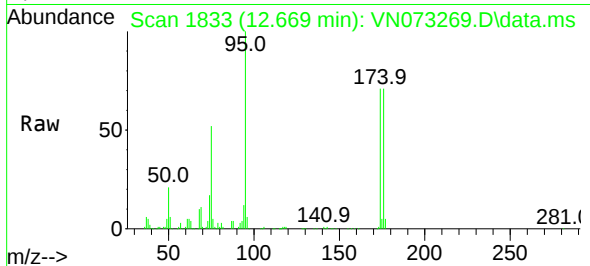




#81
trans-1,4-Dichloro-2-butene
Concen: 55.506 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

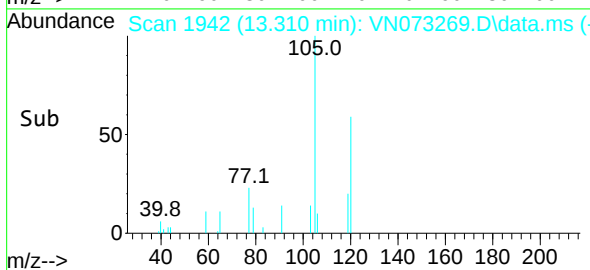
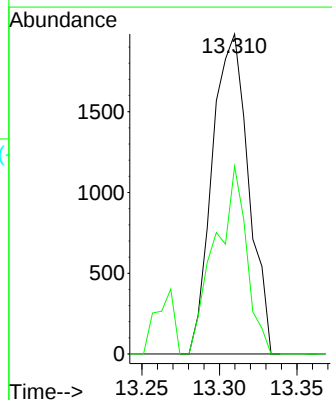
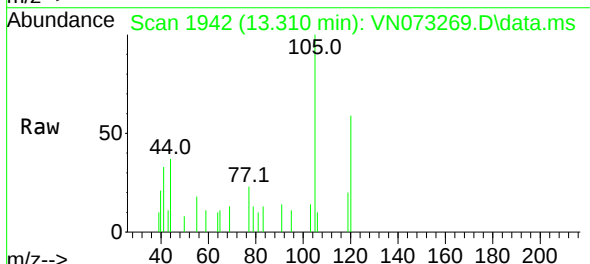
Instrument :
MSVOA_N
ClientSampleId :

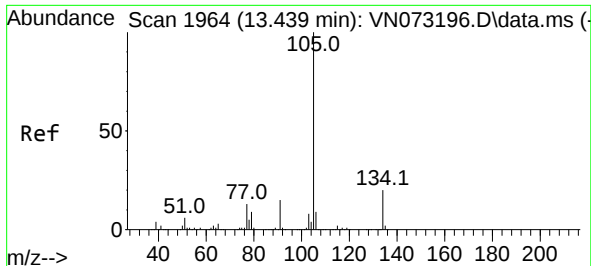
Tgt Ion: 75 Resp: 112709
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.215 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Tgt Ion: 105 Resp: 3217
Ion Ratio Lower Upper
105 100
120 51.0 23.3 69.8

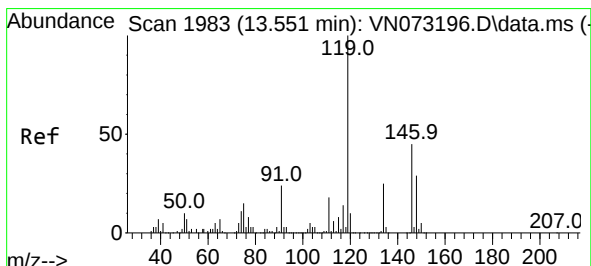
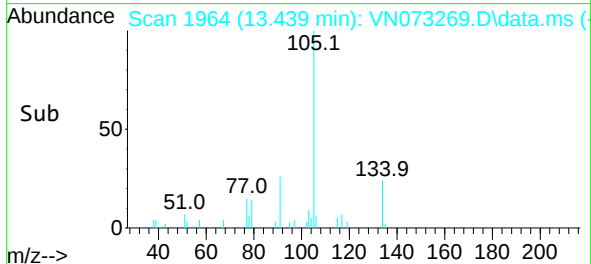
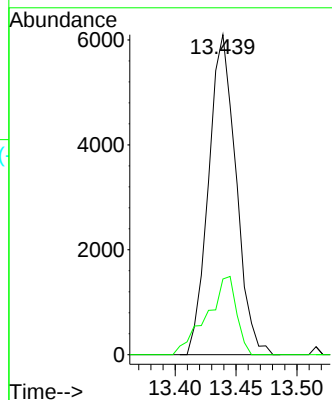
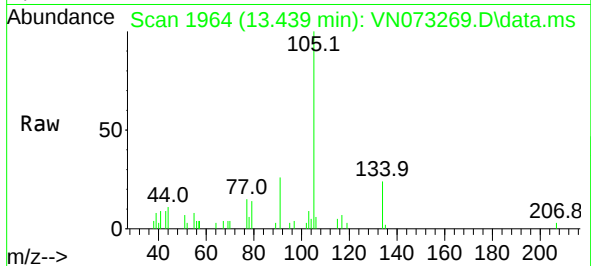




#85
sec-Butylbenzene
Concen: 0.529 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

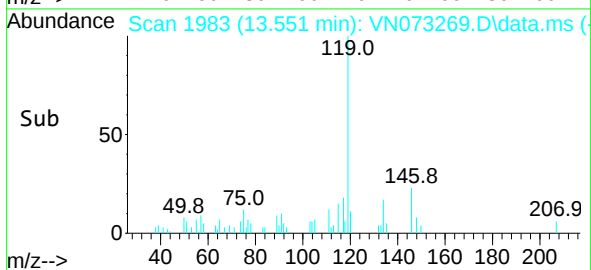
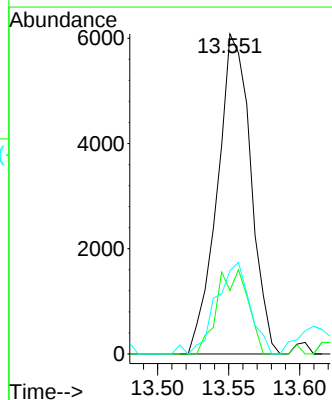
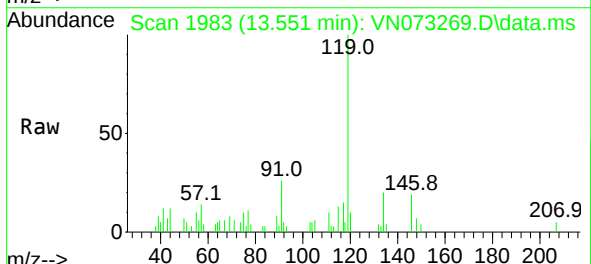
Instrument :
MSVOA_N
ClientSampleId :

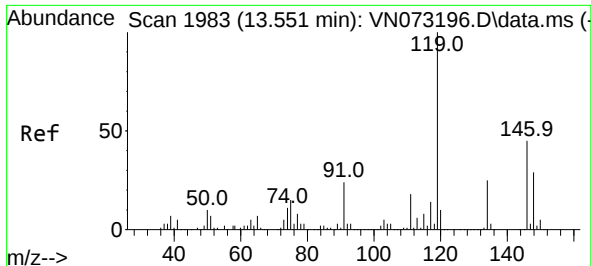
Tgt Ion:105 Resp: 9550
Ion Ratio Lower Upper
105 100
134 26.3 10.4 31.1



#86
p-Isopropyltoluene
Concen: 0.683 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Tgt Ion:119 Resp: 9958
Ion Ratio Lower Upper
119 100
134 24.3 13.3 39.8
91 29.0 11.3 33.9

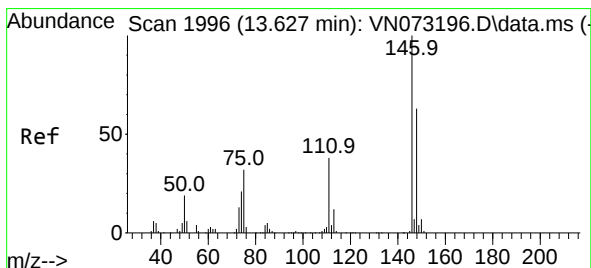
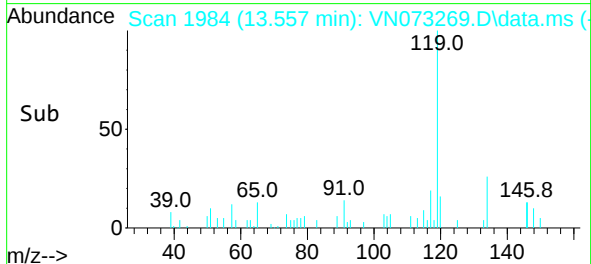
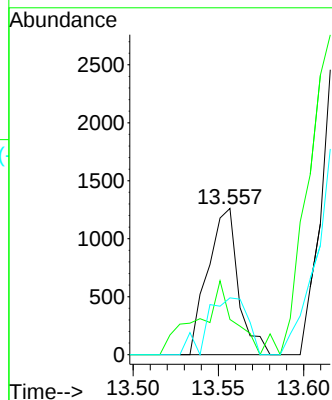
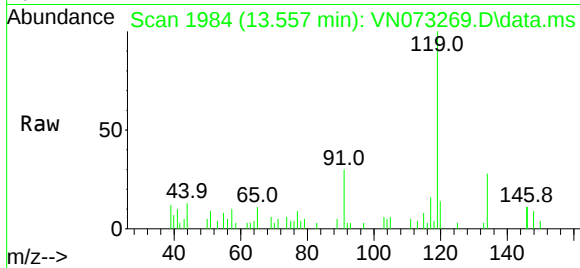




#87
1,3-Dichlorobenzene
Concen: 0.205 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. 0.006 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

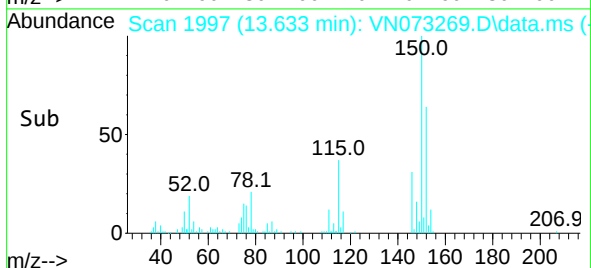
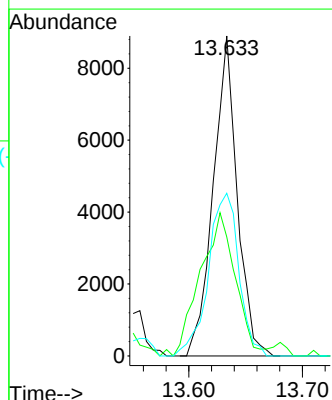
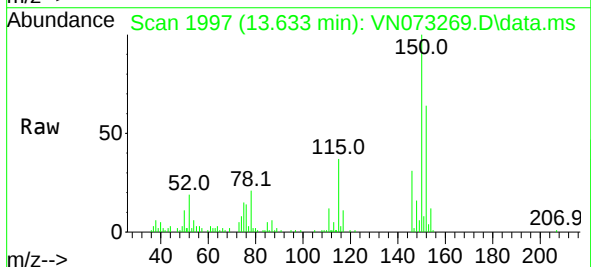
Instrument :
MSVOA_N
ClientSampleId :

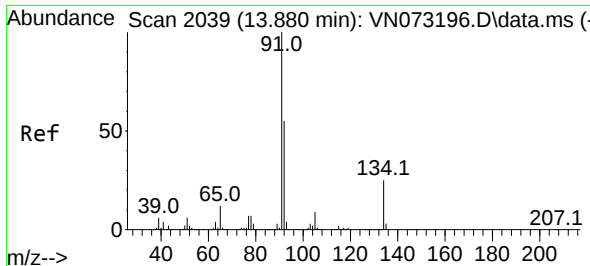
Tgt Ion:146 Resp: 1575
Ion Ratio Lower Upper
146 100
111 59.6 20.0 60.0
148 51.2 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 1.699 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.006 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Tgt Ion:146 Resp: 13059
Ion Ratio Lower Upper
146 100
111 65.3 19.1 57.1#
148 64.5 31.4 94.3

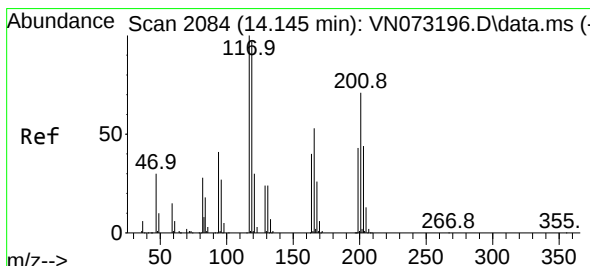
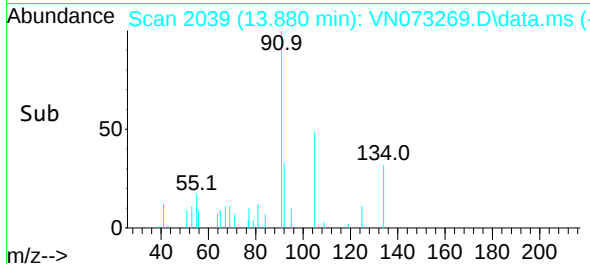
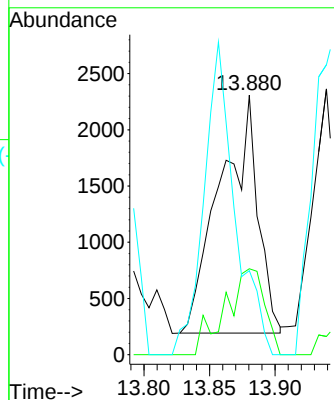
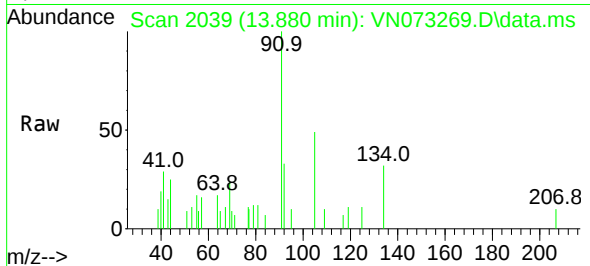




#89
n-Butylbenzene
Concen: 0.349 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

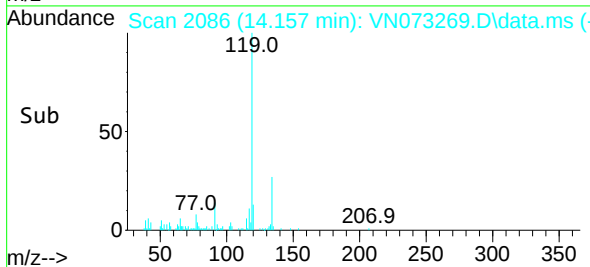
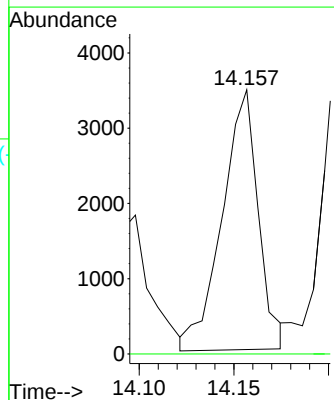
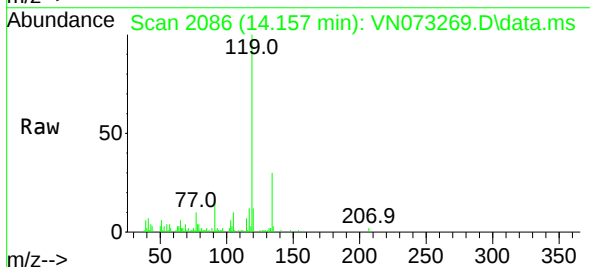
Instrument :
MSVOA_N
ClientSampleId :

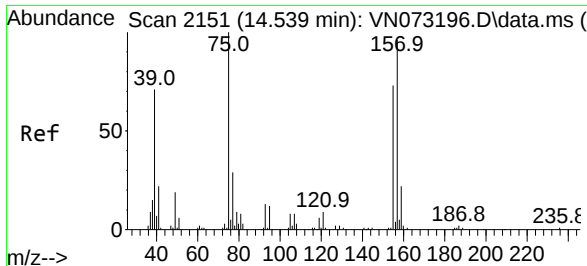
Tgt Ion: 91 Resp: 4234
Ion Ratio Lower Upper
91 100
92 37.8 26.9 80.7
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 1.689 ug/l
RT: 14.157 min Scan# 2086
Delta R.T. 0.012 min
Lab File: VN073269.D
Acq: 30 Jun 2022 16:37

Tgt Ion: 117 Resp: 4588
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#

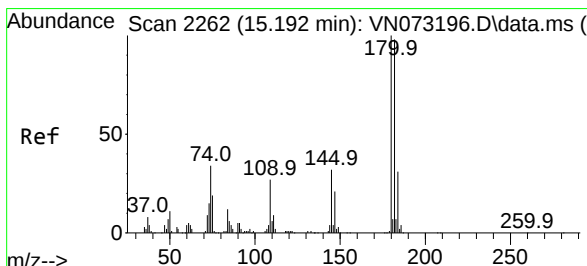
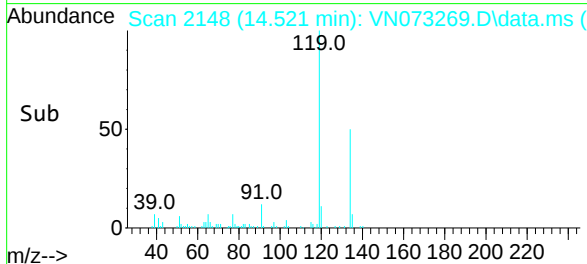
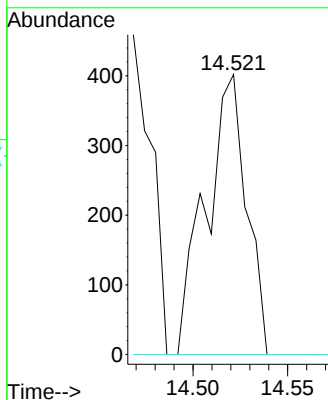
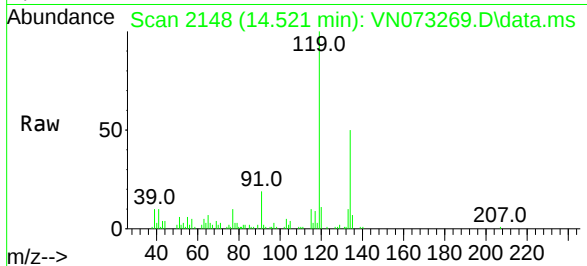




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.405 ug/l
 RT: 14.521 min Scan# 2151
 Delta R.T. -0.018 min
 Lab File: VN073269.D
 Acq: 30 Jun 2022 16:37

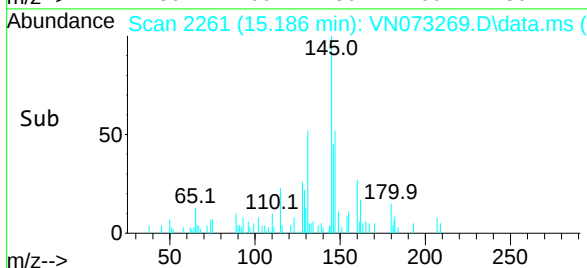
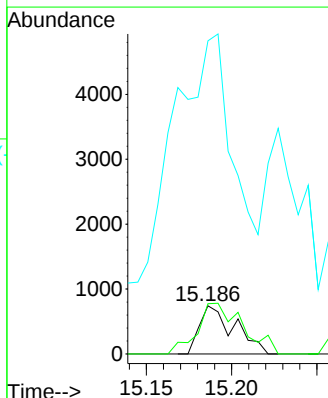
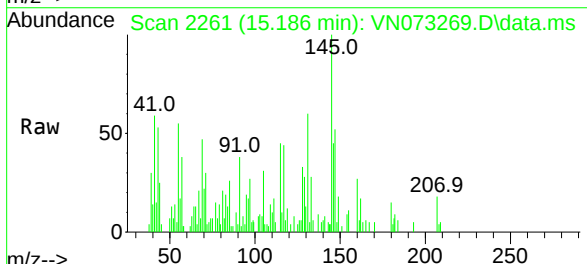
Instrument :
 MSVOA_N
 ClientSampleId :

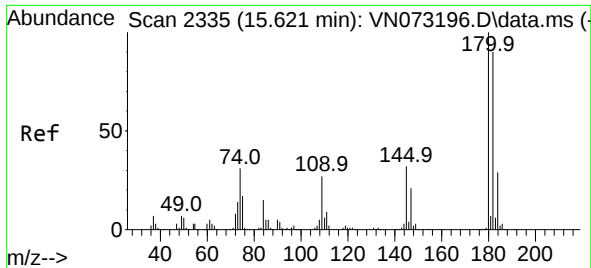
Tgt Ion: 75 Resp: 601
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.9 134.5#
 157 0.0 59.0 176.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 15.186 min Scan# 2261
 Delta R.T. -0.006 min
 Lab File: VN073269.D
 Acq: 30 Jun 2022 16:37

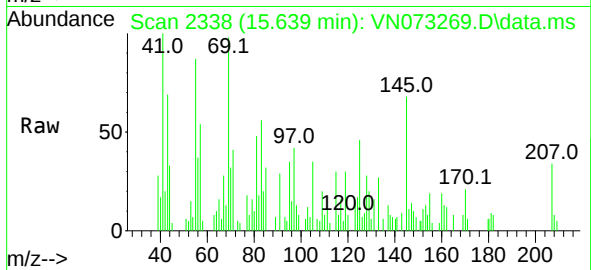
Tgt Ion: 180 Resp: 1059
 Ion Ratio Lower Upper
 180 100
 182 136.3 47.5 142.5
 145 1328.7 14.5 43.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.221 ug/l
 RT: 15.639 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN073269.D
 Acq: 30 Jun 2022 16:37

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 928
 Ion Ratio Lower Upper
 180 100
 182 32.3 47.8 143.3#
 145 0.0 15.5 46.5#

