

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073922.D
 Acq On : 16 Aug 2022 02:55
 Operator : JC\MD
 Sample : N4188-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S14

Quant Time: Aug 16 05:14:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

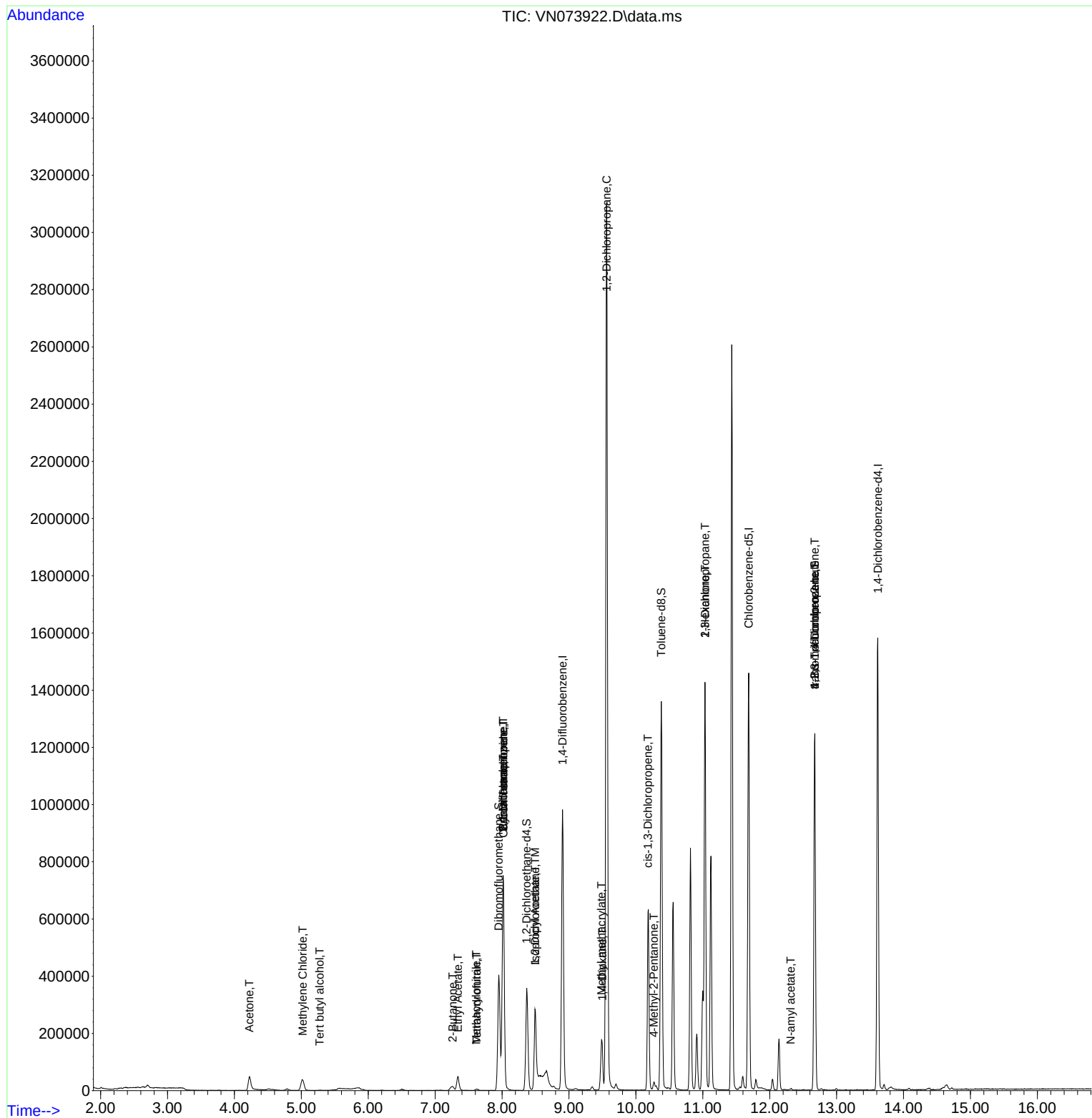
Internal Standards						
1) Pentafluorobenzene	8.016	168	639761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	928193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	897548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	471684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	296411	47.569	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.140%		
35) Dibromofluoromethane	7.951	113	287126	52.307	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.620%		
50) Toluene-d8	10.380	98	986159	46.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.780%		
62) 4-Bromofluorobenzene	12.674	95	408759	57.934	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	115.860%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.275	59	819	0.588	ug/l #	72
16) Acetone	4.222	43	87666	29.820	ug/l	99
18) Methyl Acetate	4.787	43	11208	Below Cal		97
20) Methylene Chloride	5.022	84	34042	5.488	ug/l	87
25) 2-Butanone	7.263	43	17409	3.735	ug/l	99
29) Tetrahydrofuran	7.622	42	3666	1.226	ug/l	95
31) Cyclohexane	8.016	56	9985	1.149	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	39724	5.210	ug/l #	48
37) Ethyl Acetate	7.339	43	70860	7.671	ug/l	98
38) Carbon Tetrachloride	8.022	117	54791	6.287	ug/l #	17
41) Methacrylonitrile	7.616	41	2368	0.567	ug/l #	27
42) 1,2-Dichloroethane	8.492	62	2245	0.271	ug/l #	74
43) Isopropyl Acetate	8.492	43	347182	26.384	ug/l #	91
45) 1,2-Dichloropropane	9.563	63	4099	0.711	ug/l #	44
48) Methyl methacrylate	9.486	41	10171	1.806	ug/l #	38
49) 1,4-Dioxane	9.498	88	346	2.066	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	16246	1.826	ug/l	96
54) cis-1,3-Dichloropropene	10.180	75	124549	12.943	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	16223	1.554	ug/l #	42
59) 2-Hexanone	11.033	43	185066	27.029	ug/l #	50
74) N-amyl acetate	12.316	43	2916	0.225	ug/l #	44
76) 1,2,3-Trichloropropane	12.674	75	204565	20.866	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	204565	59.346	ug/l #	10

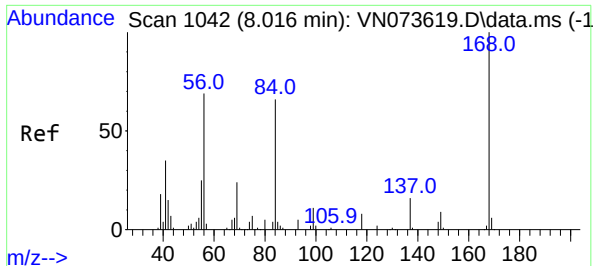
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
Data File : VN073922.D
Acq On : 16 Aug 2022 02:55
Operator : JC\MD
Sample : N4188-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S14

Quant Time: Aug 16 05:14:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

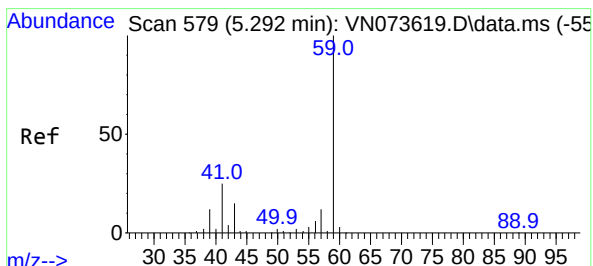
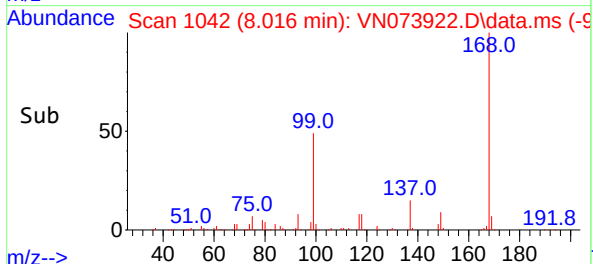
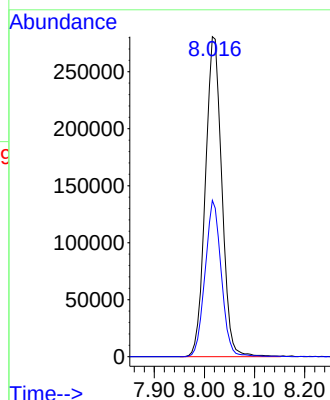
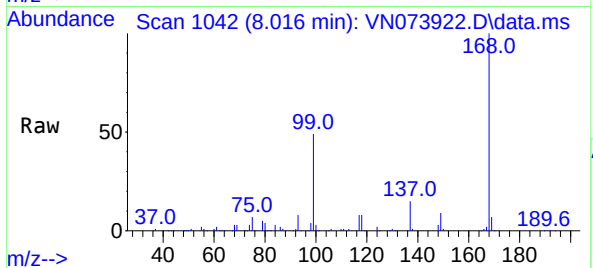




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

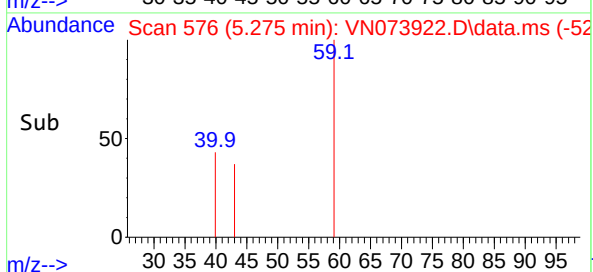
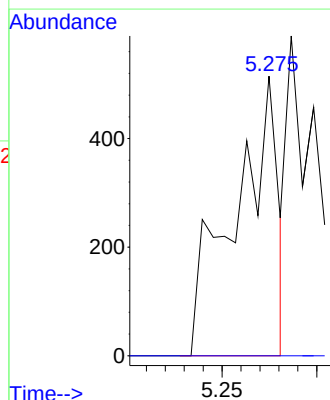
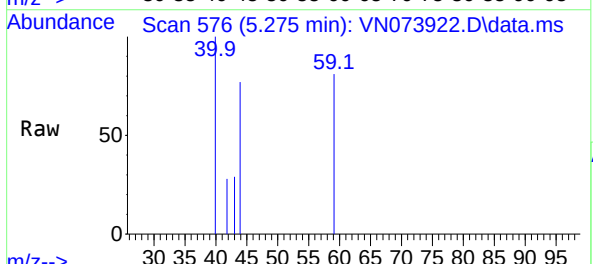
Instrument :
MSVOA_N
ClientSampleId :
S14

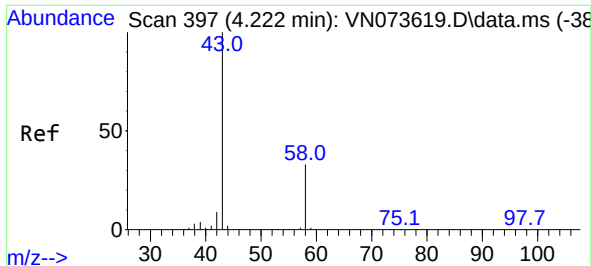
Tgt Ion:168 Resp: 639761
Ion Ratio Lower Upper
168 100
99 48.8 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.588 ug/l
RT: 5.275 min Scan# 576
Delta R.T. -0.017 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion: 59 Resp: 819
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

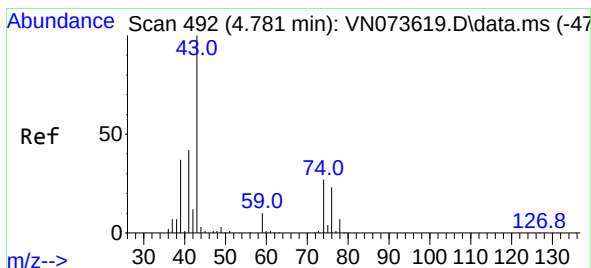
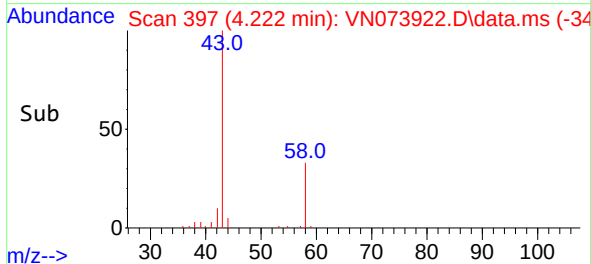
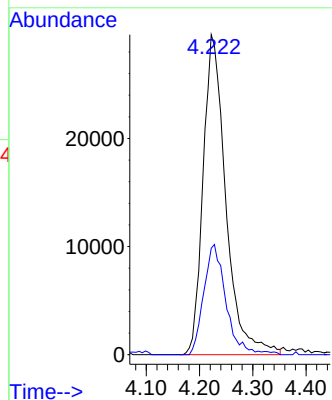
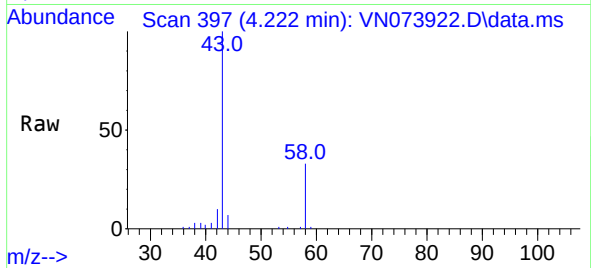




#16
Acetone
Concen: 29.820 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

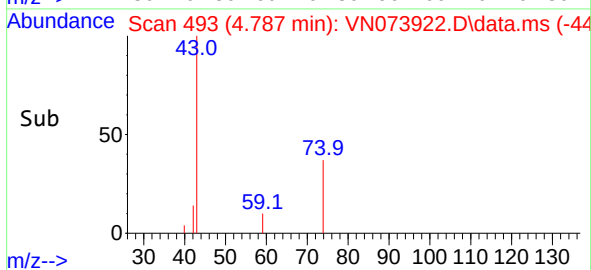
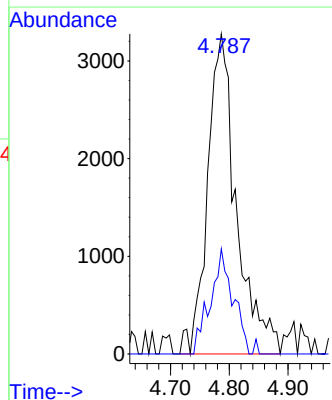
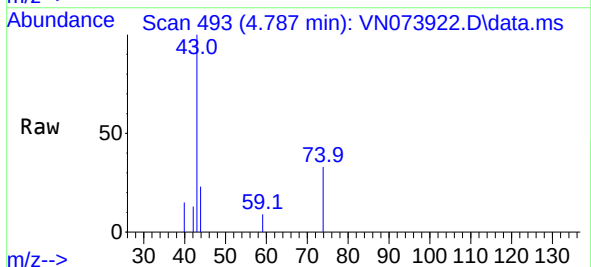
Instrument :
MSVOA_N
ClientSampleId :
S14

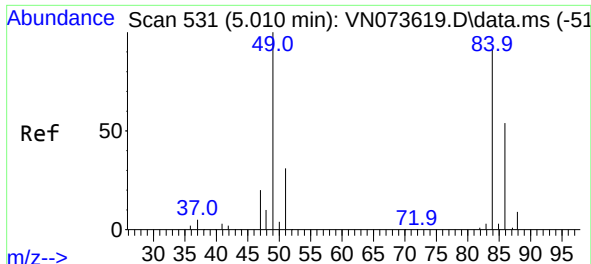
Tgt Ion: 43 Resp: 87666
Ion Ratio Lower Upper
43 100
58 33.2 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion: 43 Resp: 11208
Ion Ratio Lower Upper
43 100
74 25.7 21.6 32.4

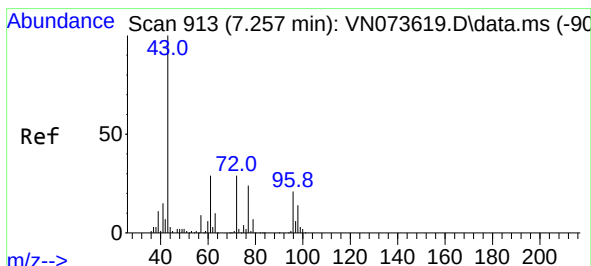
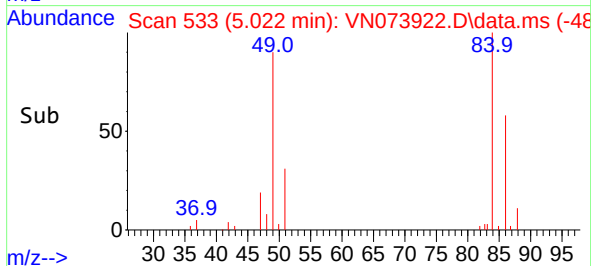
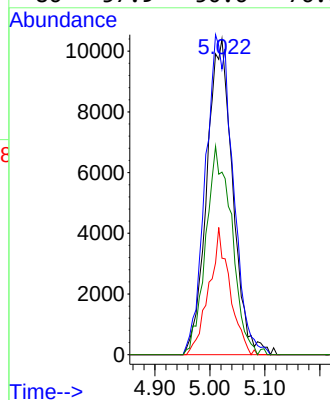
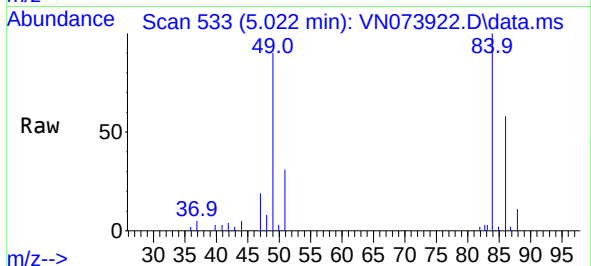




#20
Methylene Chloride
Concen: 5.488 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

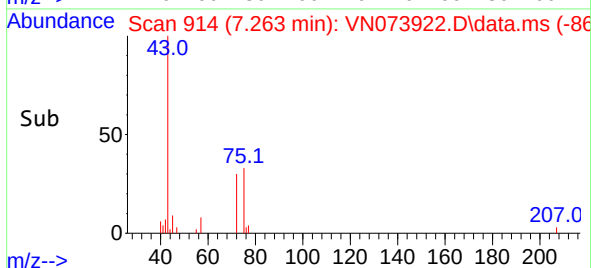
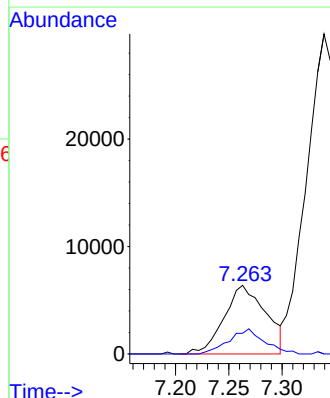
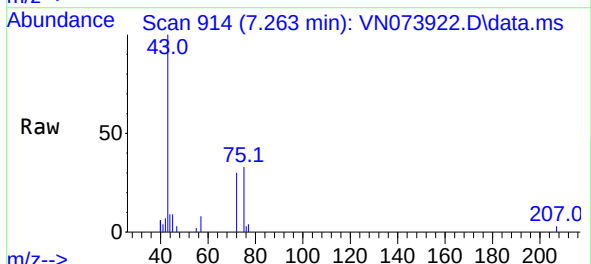
Instrument :
MSVOA_N
ClientSampleId :
S14

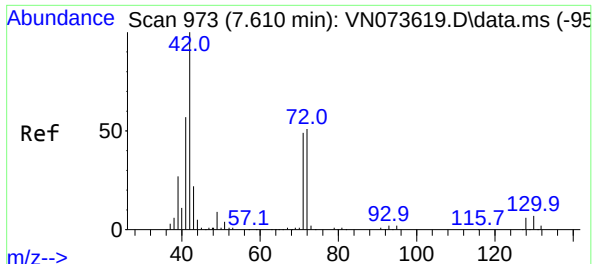
Tgt Ion:	84	Resp:	34042
Ion	Ratio	Lower	Upper
84	100		
49	90.5	88.3	132.5
51	30.6	28.2	42.2
86	57.9	50.6	76.0



#25
2-Butanone
Concen: 3.735 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion:	43	Resp:	17409
Ion	Ratio	Lower	Upper
43	100		
72	30.0	23.7	35.5

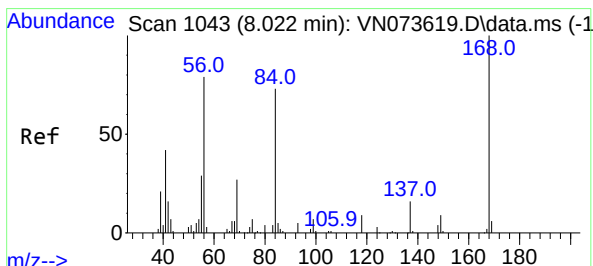
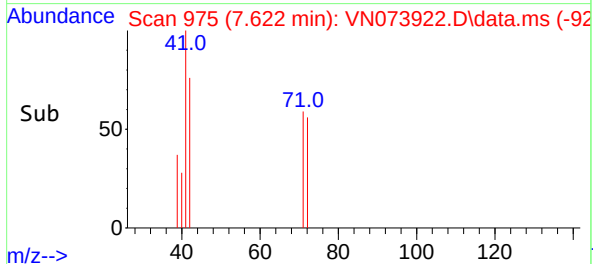
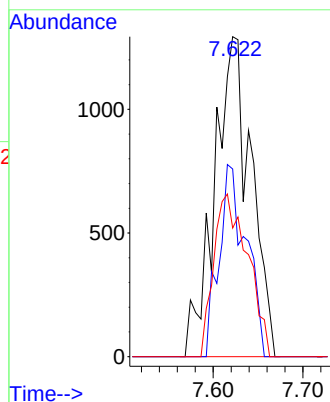
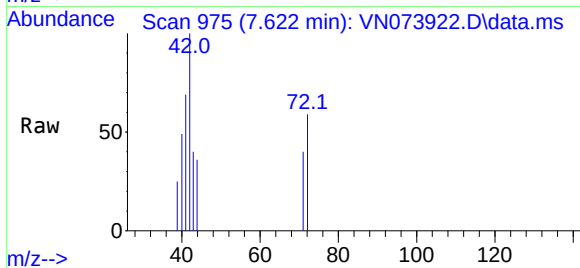




#29
Tetrahydrofuran
Concen: 1.226 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

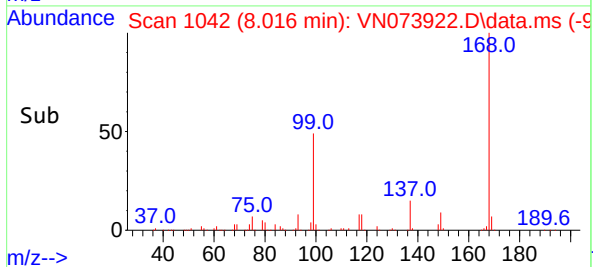
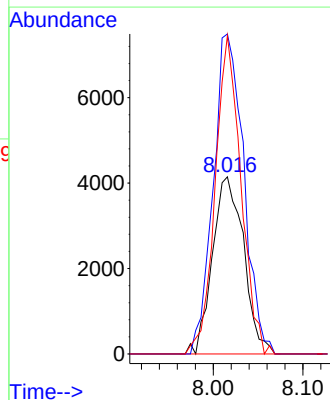
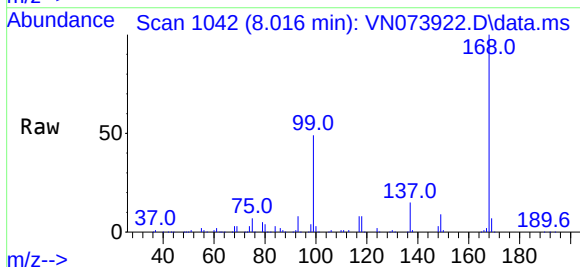
Instrument :
MSVOA_N
ClientSampleId :
S14

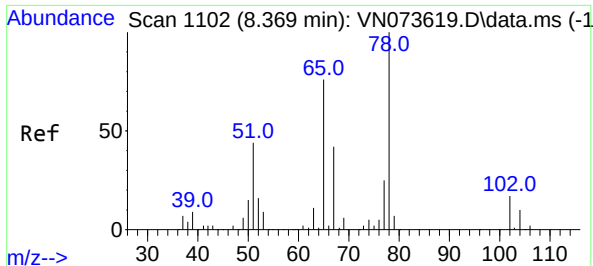
Tgt Ion:	42	Resp:	3666
Ion	Ratio	Lower	Upper
42	100		
72	44.6	39.7	59.5
71	47.1	36.6	55.0



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion:	56	Resp:	9985
Ion	Ratio	Lower	Upper
56	100		
69	180.7	27.8	41.8#
84	179.7	76.9	115.3#

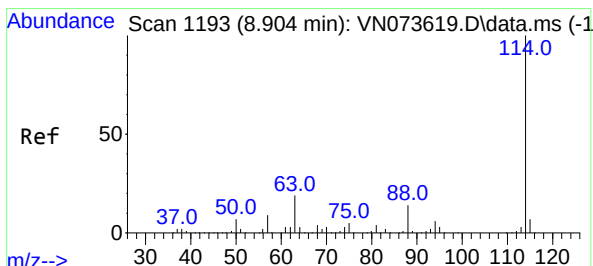
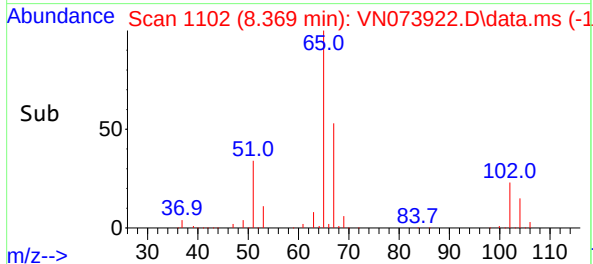
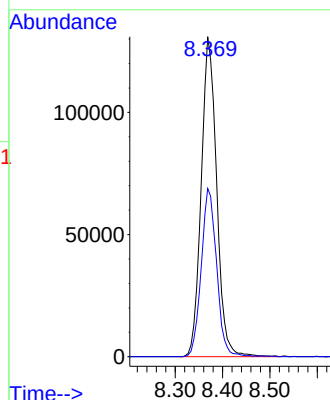
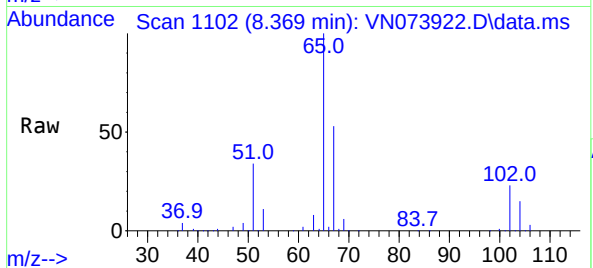




#33
1,2-Dichloroethane-d4
Concen: 47.569 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

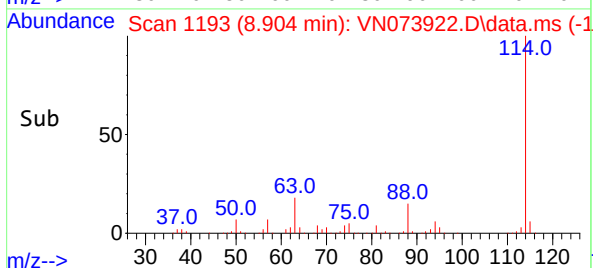
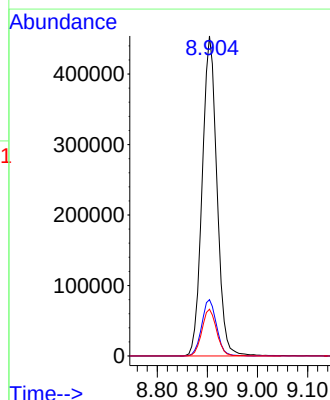
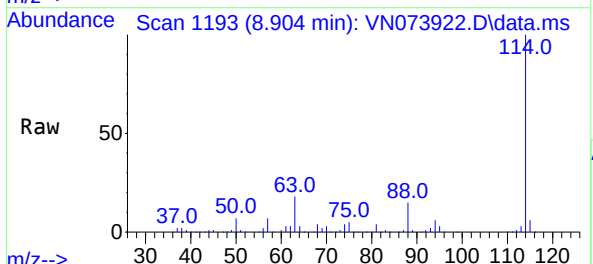
Instrument :
MSVOA_N
ClientSampleId :
S14

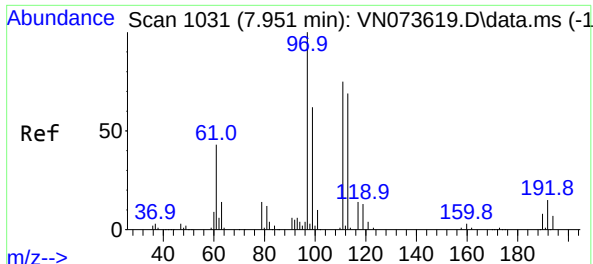
Tgt Ion: 65 Resp: 296411
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion: 114 Resp: 928193
Ion Ratio Lower Upper
114 100
63 17.6 0.0 40.0
88 14.6 0.0 32.6

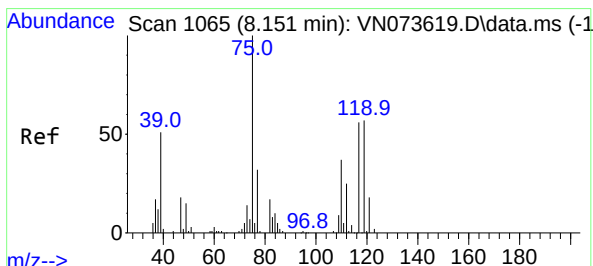
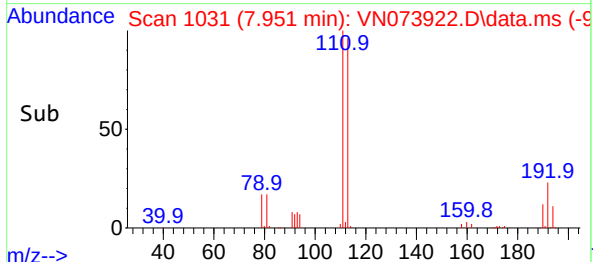
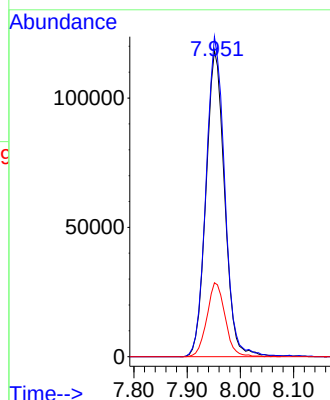
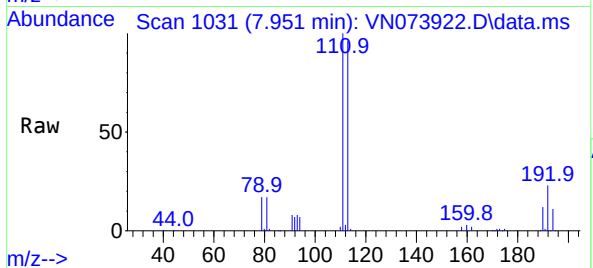




#35
Dibromofluoromethane
Concen: 52.307 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

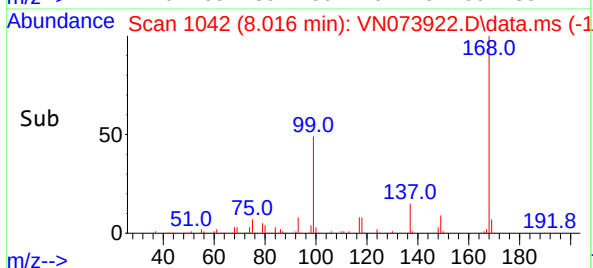
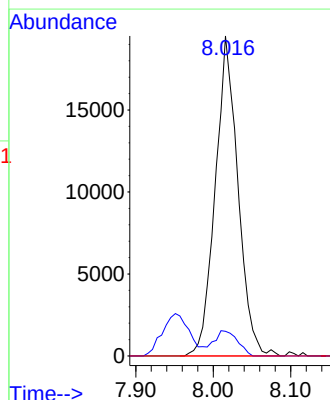
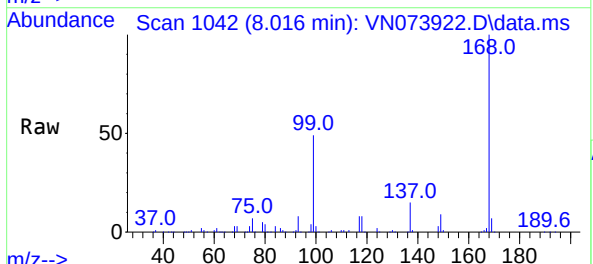
Instrument :
MSVOA_N
ClientSampleId :
S14

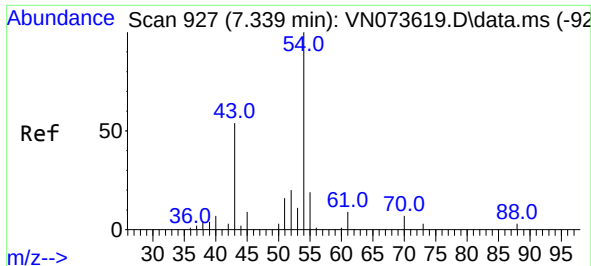
Tgt Ion:113 Resp: 287126
Ion Ratio Lower Upper
113 100
111 104.8 81.4 122.0
192 23.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.210 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion: 75 Resp: 39724
Ion Ratio Lower Upper
75 100
110 7.9 18.3 54.8#
77 0.0 25.1 37.7#



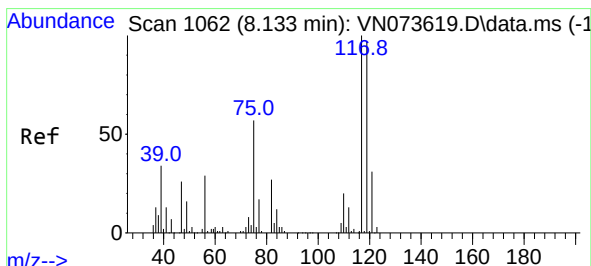
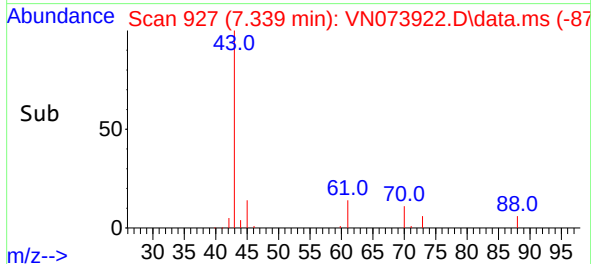
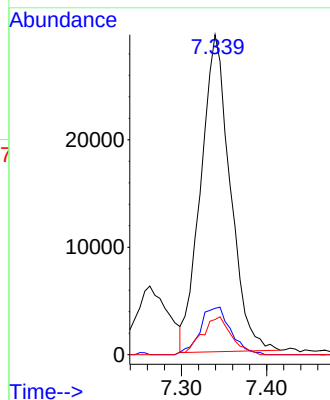
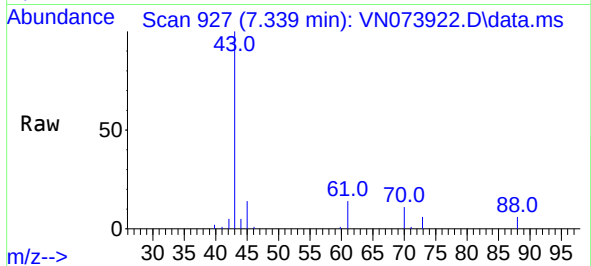


#37
Ethyl Acetate
Concen: 7.671 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Instrument :
MSVOA_N
ClientSampleId :
S14

Tgt Ion: 43 Resp: 70860

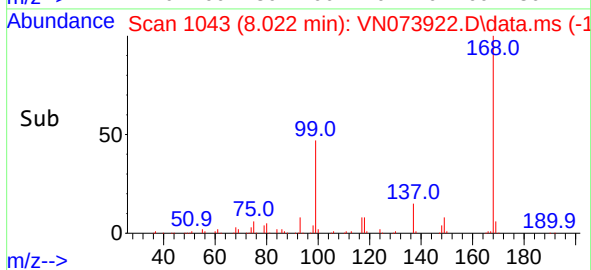
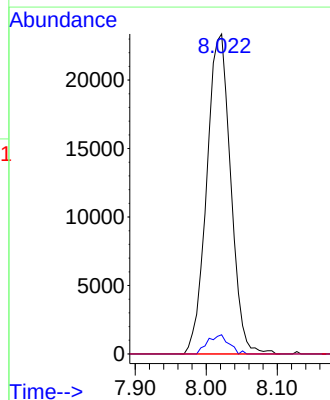
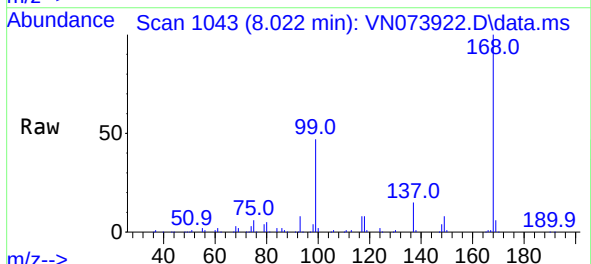
Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	12.0	9.3	13.9

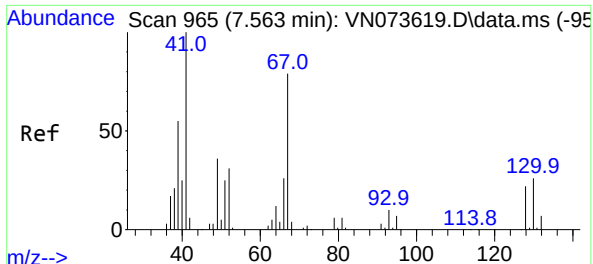


#38
Carbon Tetrachloride
Concen: 6.287 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion: 117 Resp: 54791

Ion	Ratio	Lower	Upper
117	100		
119	6.0	75.8	113.8#
121	0.0	24.6	37.0#

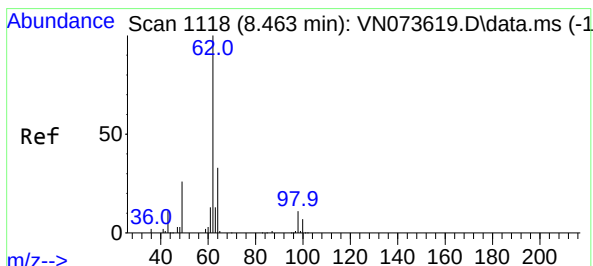
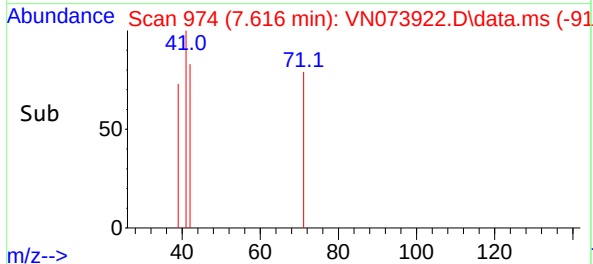
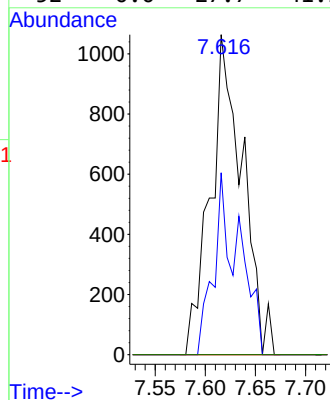
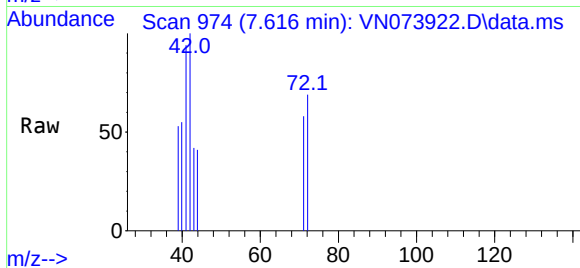




#41
Methacrylonitrile
Concen: 0.567 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.053 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

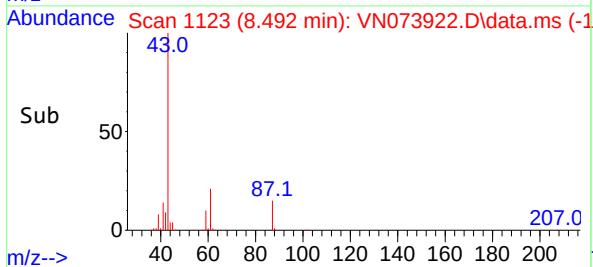
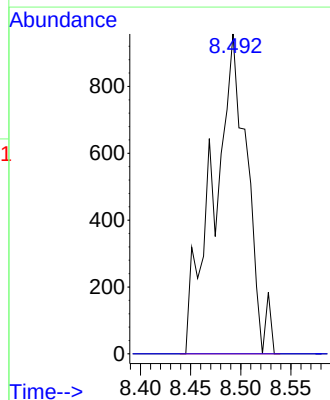
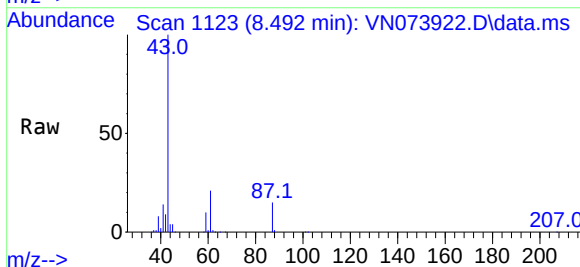
Instrument :
MSVOA_N
ClientSampleId :
S14

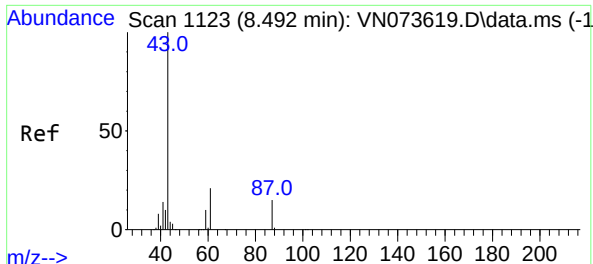
Tgt Ion:	41	Resp:	2368
Ion	Ratio	Lower	Upper
41	100		
39	27.3	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#42
1,2-Dichloroethane
Concen: 0.271 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion:	62	Resp:	2245
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4

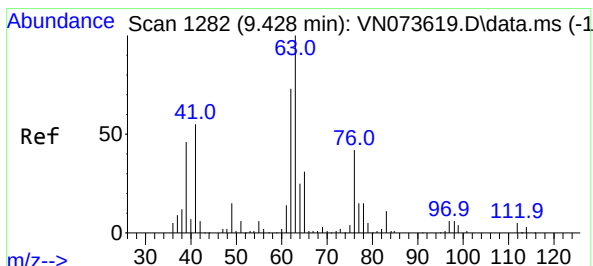
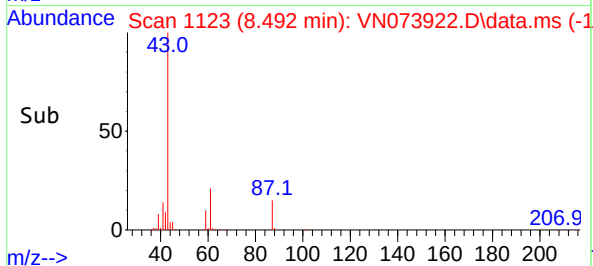
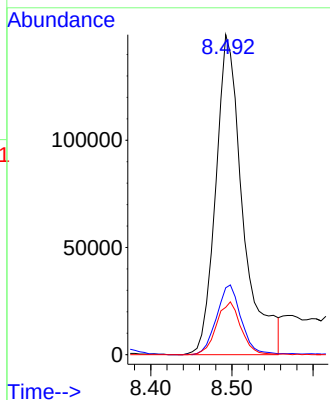
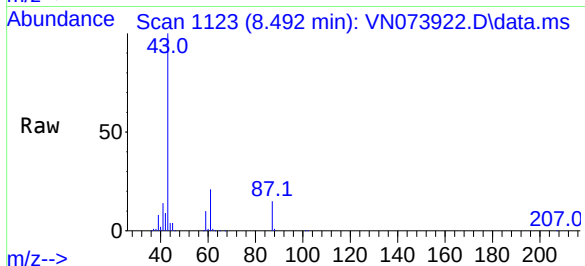




#43
Isopropyl Acetate
Concen: 26.384 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

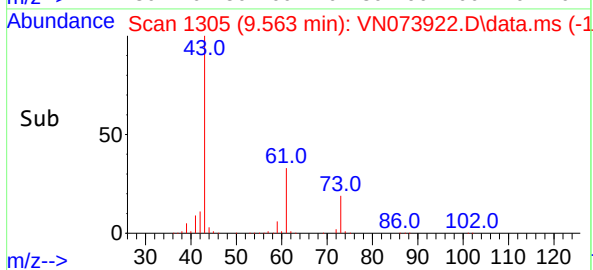
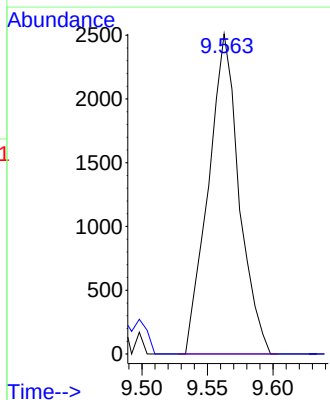
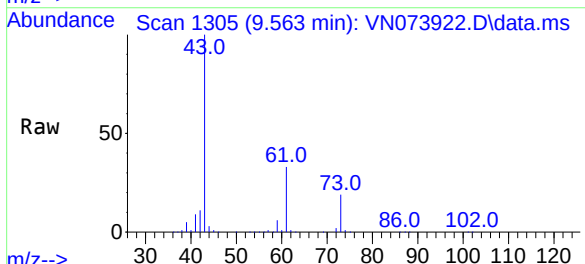
Instrument :
MSVOA_N
ClientSampleId :
S14

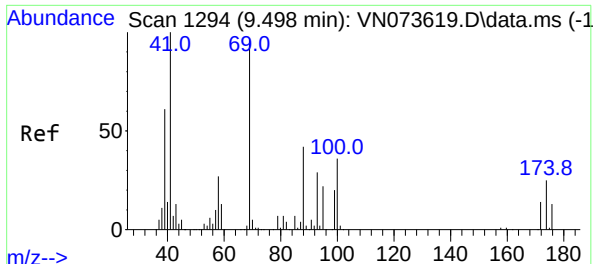
Tgt Ion: 43 Resp: 347182
Ion Ratio Lower Upper
43 100
61 20.0 21.9 32.9#
87 14.9 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.711 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.135 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion: 63 Resp: 4099
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

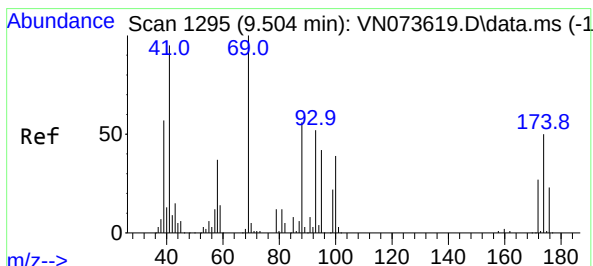
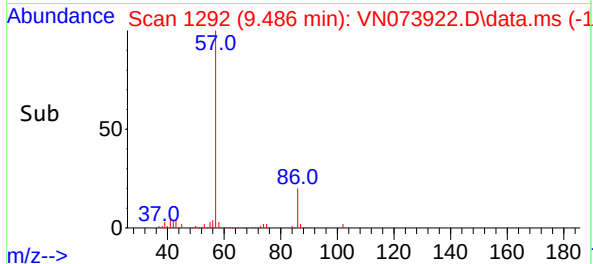
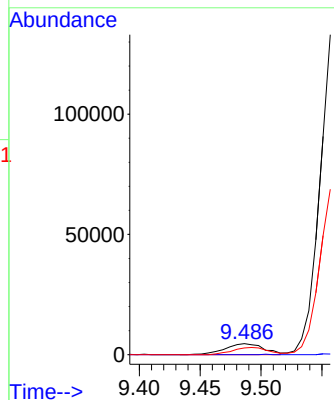
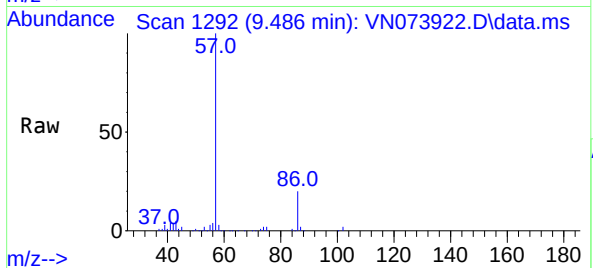




#48
Methyl methacrylate
Concen: 1.806 ug/l
RT: 9.486 min Scan# 1294
Delta R.T. -0.012 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

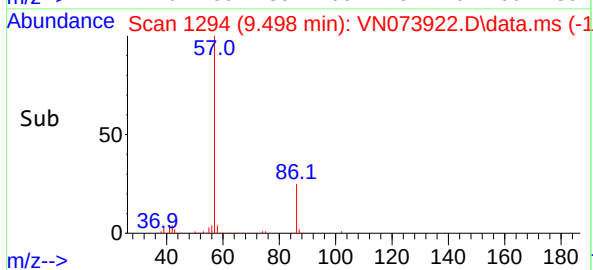
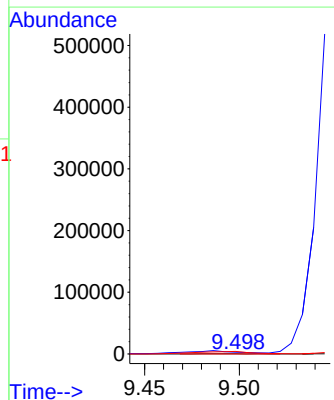
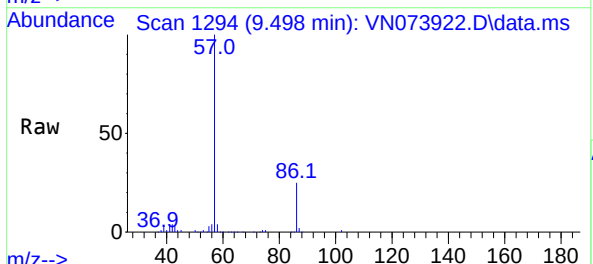
Instrument :
MSVOA_N
ClientSampleId :
S14

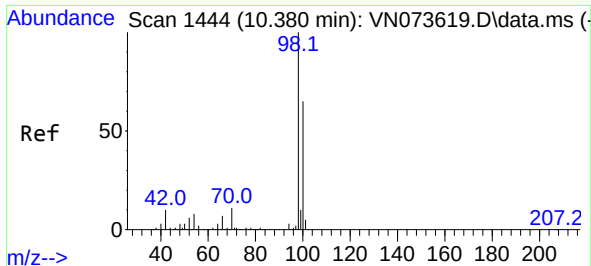
Tgt Ion: 41 Resp: 10171
Ion Ratio Lower Upper
41 100
69 0.7 74.7 112.1#
39 60.8 45.6 68.4



#49
1,4-Dioxane
Concen: 2.066 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion: 88 Resp: 346
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 2427.2 54.2 81.4#

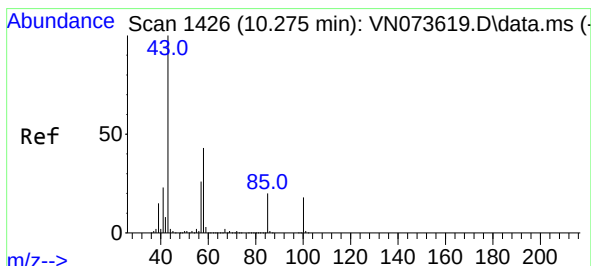
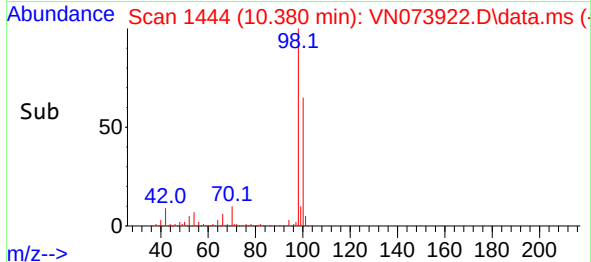
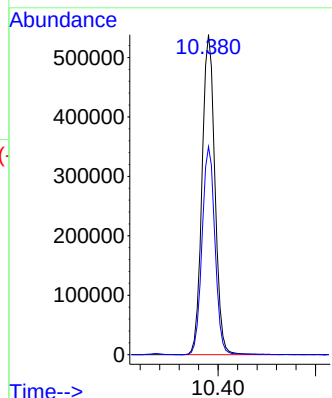
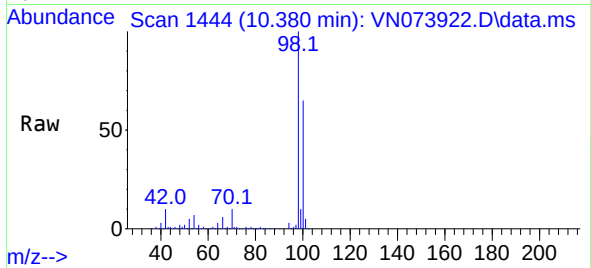




#50
Toluene-d8
Concen: 46.387 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

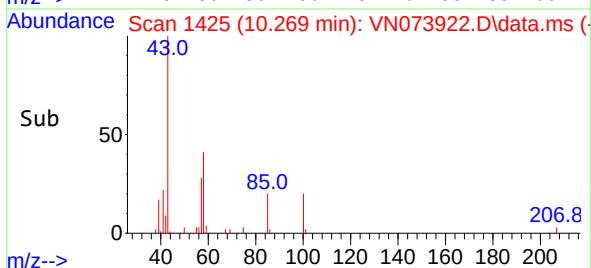
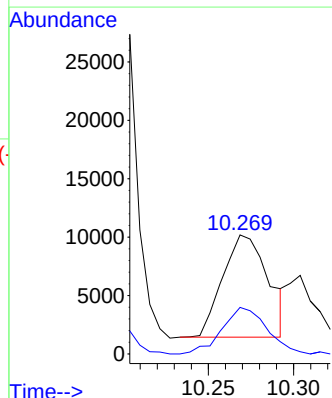
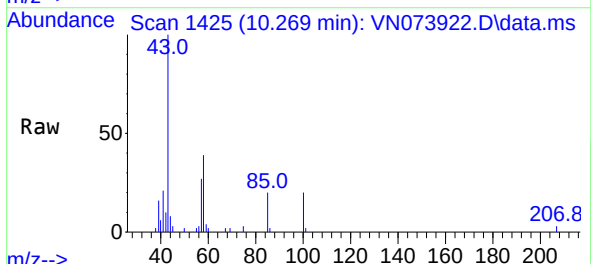
Instrument :
MSVOA_N
ClientSampleId :
S14

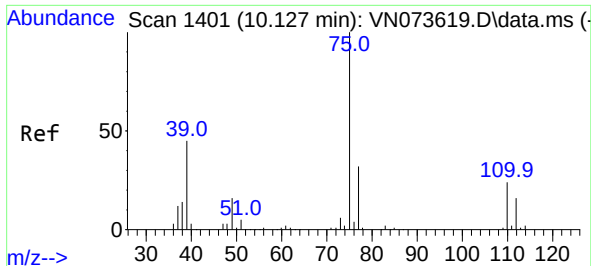
Tgt Ion: 98 Resp: 986159
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.826 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion: 43 Resp: 16246
Ion Ratio Lower Upper
43 100
58 45.1 34.1 51.1

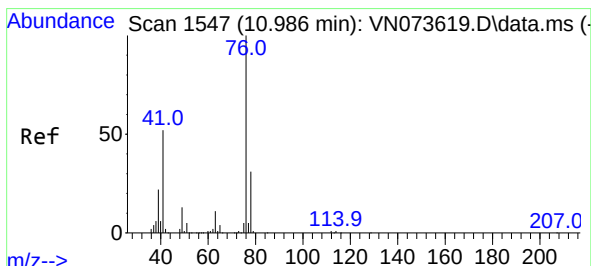
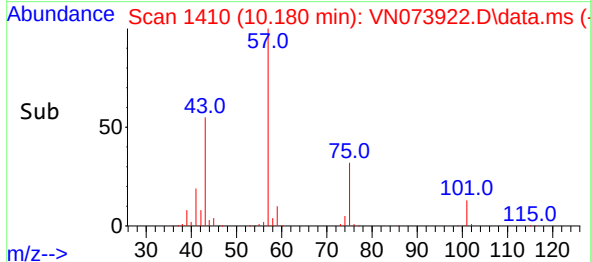
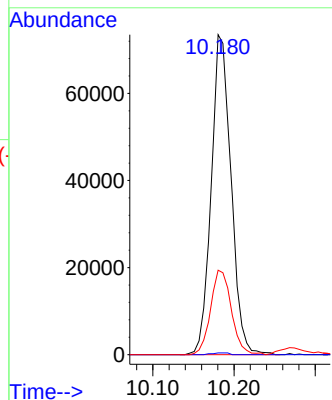
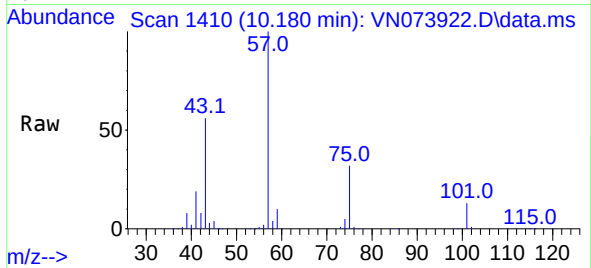




#54
 cis-1,3-Dichloropropene
 Concen: 12.943 ug/l
 RT: 10.180 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN073922.D
 Acq: 16 Aug 2022 02:55

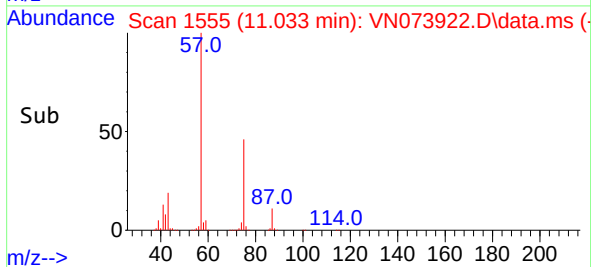
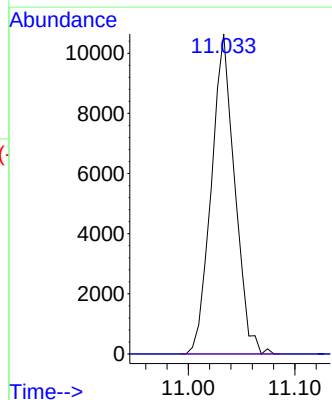
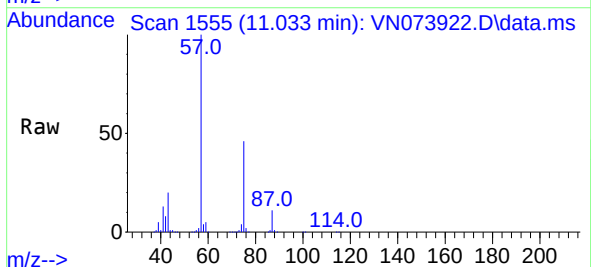
Instrument :
 MSVOA_N
 ClientSampleId :
 S14

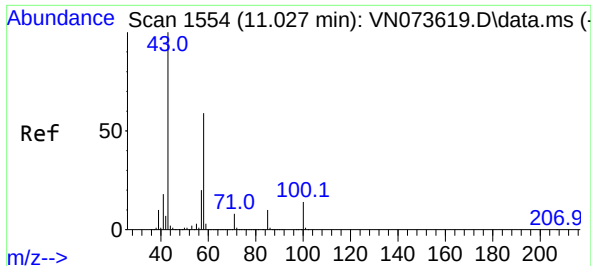
Tgt Ion: 75 Resp: 124549
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 26.4 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.554 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073922.D
 Acq: 16 Aug 2022 02:55

Tgt Ion: 76 Resp: 16223
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

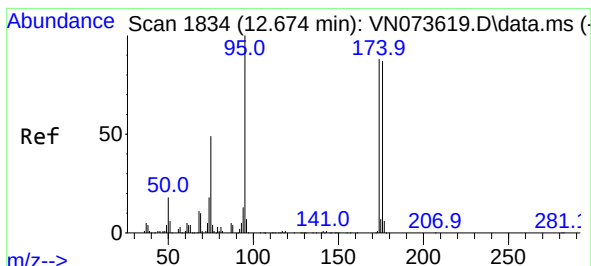
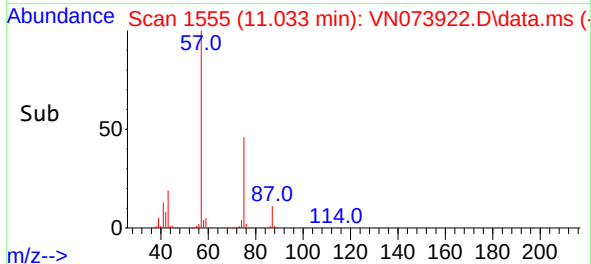
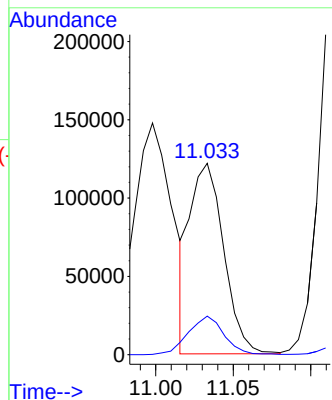
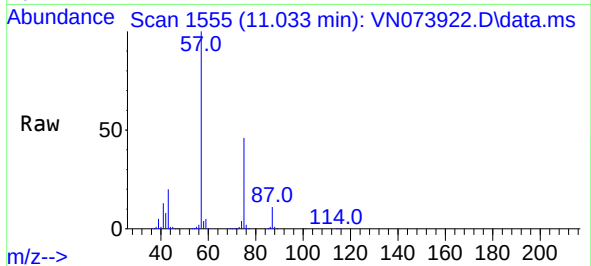




#59
2-Hexanone
Concen: 27.029 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

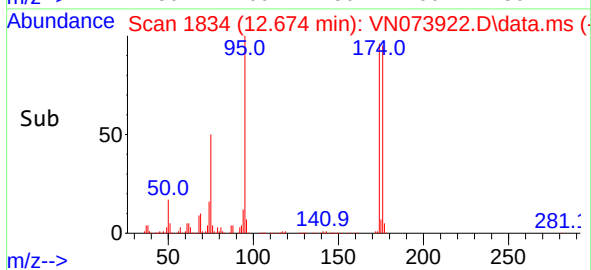
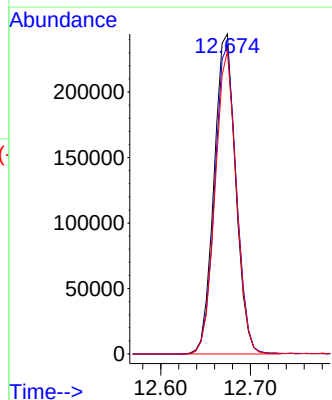
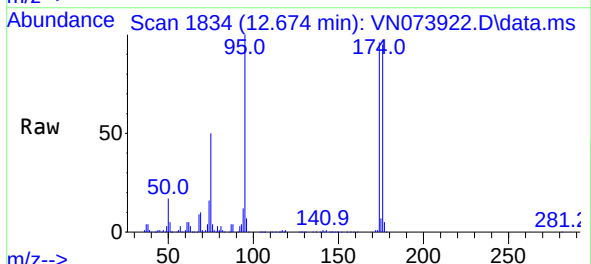
Instrument :
MSVOA_N
ClientSampleId :
S14

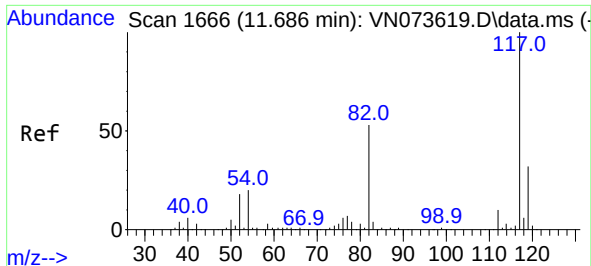
Tgt Ion: 43 Resp: 185066
Ion Ratio Lower Upper
43 100
58 21.5 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 57.934 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion: 95 Resp: 408759
Ion Ratio Lower Upper
95 100
174 96.3 0.0 167.6
176 92.8 0.0 163.4

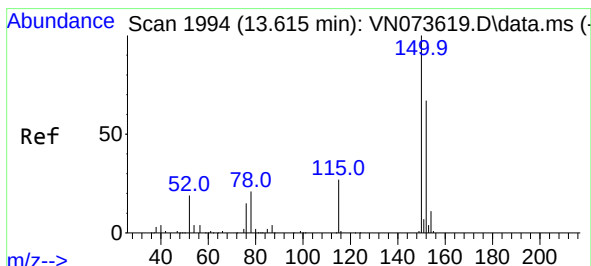
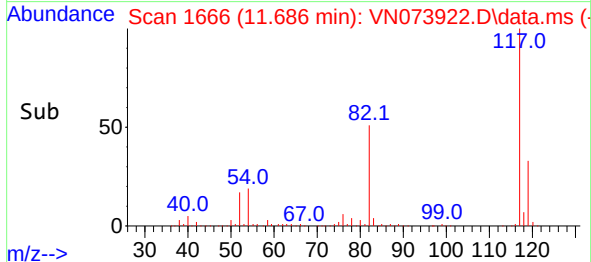
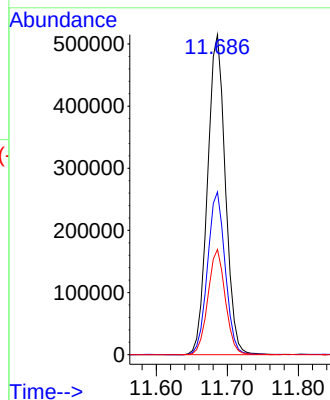
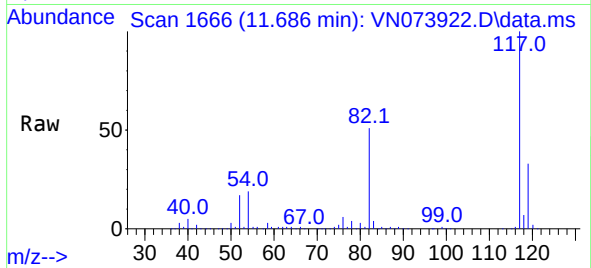




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

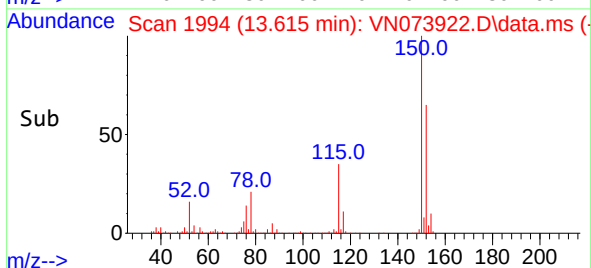
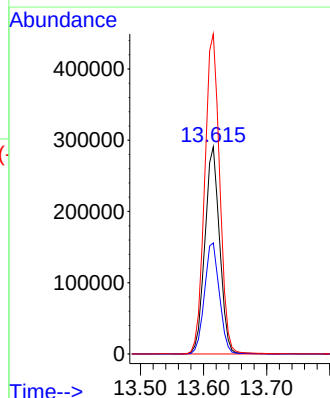
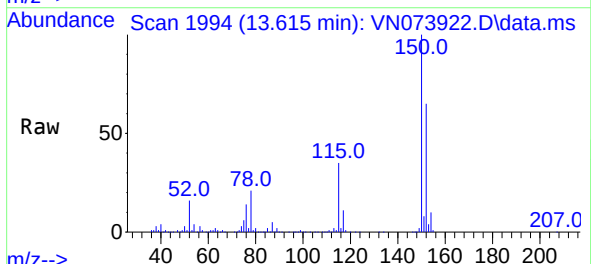
Instrument :
MSVOA_N
ClientSampleId :
S14

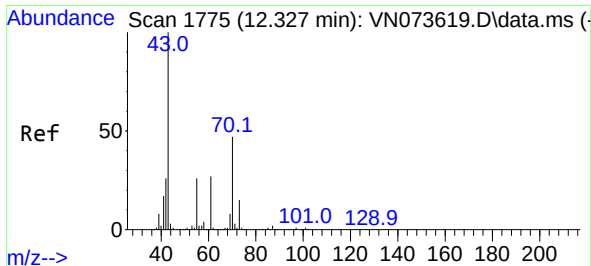
Tgt Ion:117 Resp: 897548
Ion Ratio Lower Upper
117 100
82 50.8 44.2 66.2
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

Tgt Ion:152 Resp: 471684
Ion Ratio Lower Upper
152 100
115 54.4 28.9 86.7
150 157.3 0.0 356.2

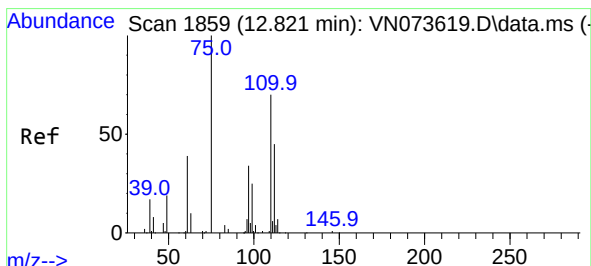
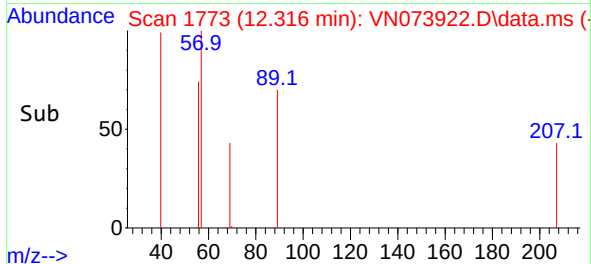
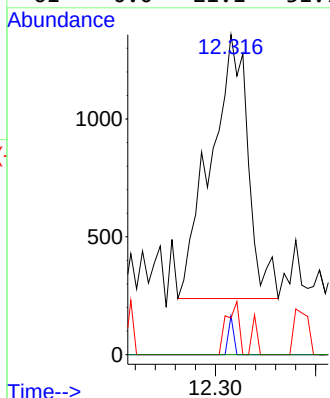
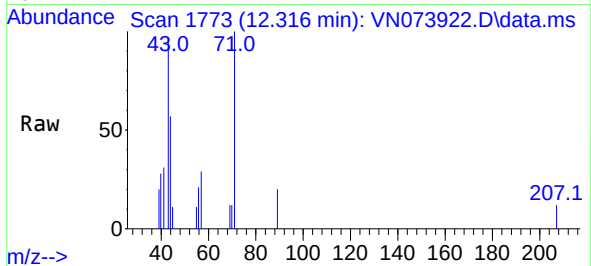




#74
N-amy1 acetate
Concen: 0.225 ug/l
RT: 12.316 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

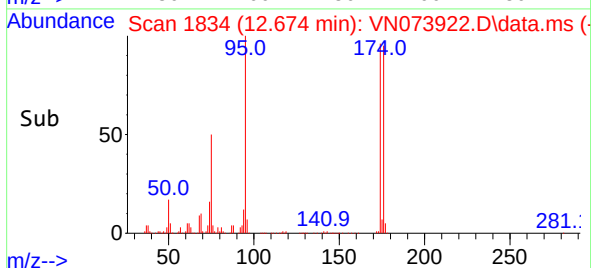
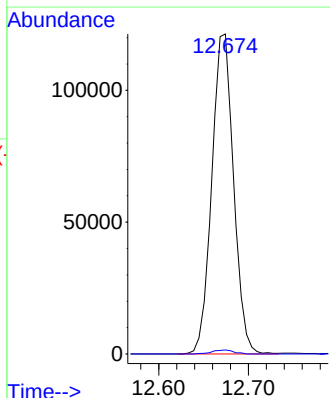
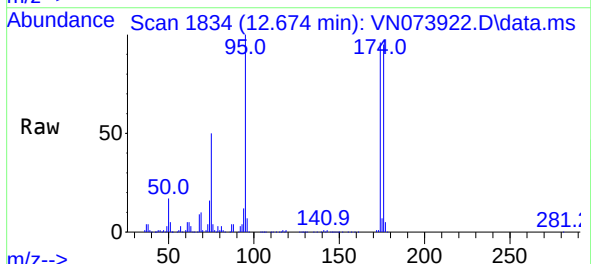
Instrument :
MSVOA_N
ClientSampleId :
S14

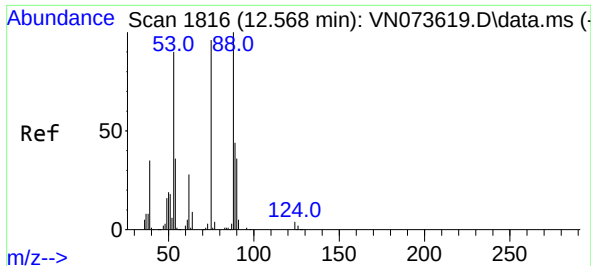
Tgt Ion: 43	Resp: 2916
Ion Ratio	Lower Upper
43 100	
70 2.0	39.0 58.4#
55 6.6	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.866 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073922.D
Acq: 16 Aug 2022 02:55

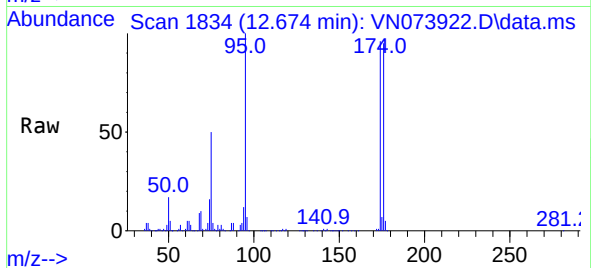
Tgt Ion: 75	Resp: 204565
Ion Ratio	Lower Upper
75 100	
77 1.2	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.346 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073922.D
 Acq: 16 Aug 2022 02:55

Instrument :
 MSVOA_N
 ClientSampleId :
 S14



Tgt Ion: 75 Resp: 204565
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

