

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073920.D
 Acq On : 16 Aug 2022 02:07
 Operator : JC\MD
 Sample : N4188-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S8

Quant Time: Aug 16 05:14:00 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)

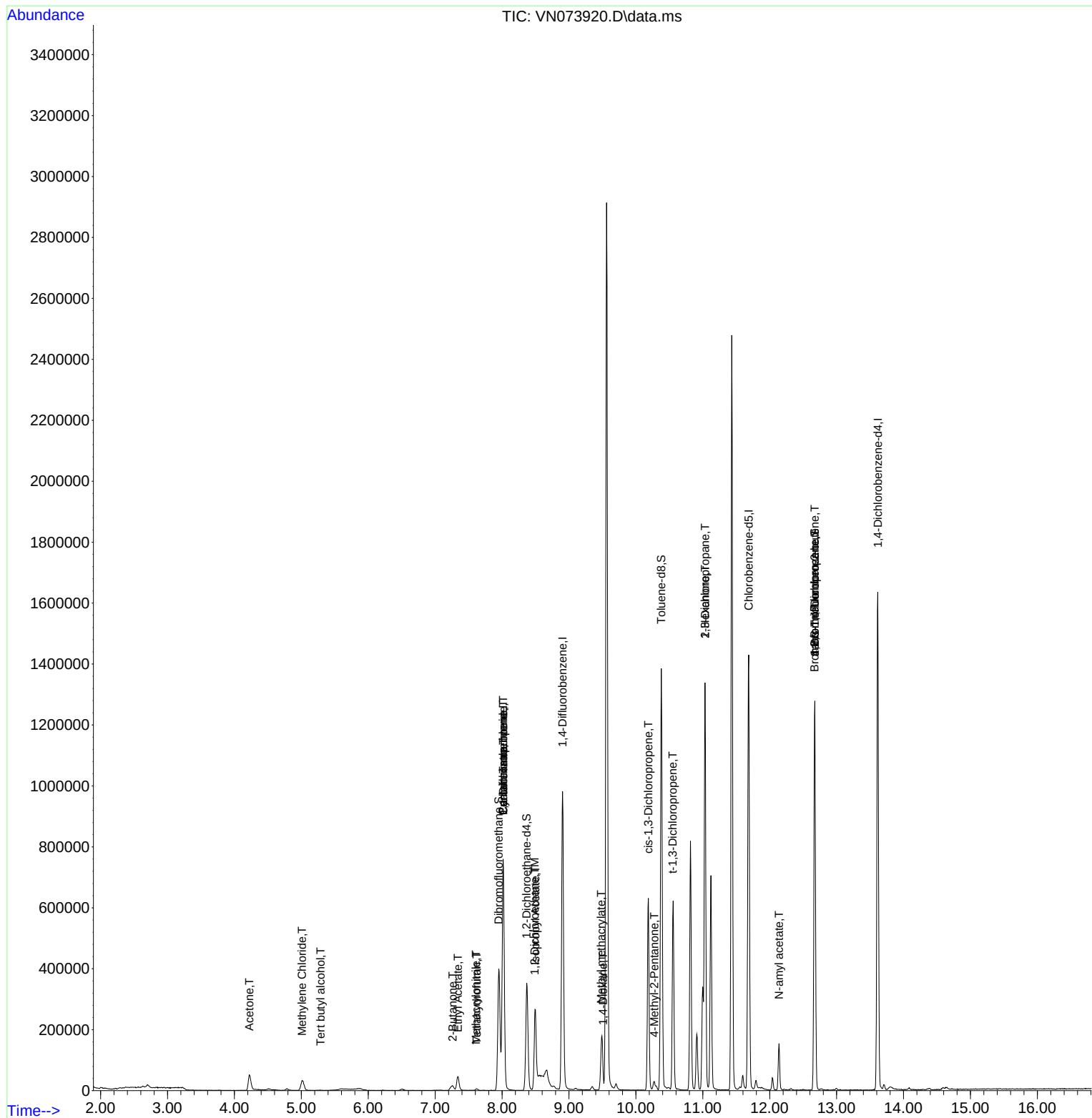
Internal Standards						
1) Pentafluorobenzene	8.016	168	642620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	932415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	896615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	490231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	297487	47.529	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.060%
35) Dibromofluoromethane	7.951	113	292441	53.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.060%
50) Toluene-d8	10.380	98	984448	46.097	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.200%
62) 4-Bromofluorobenzene	12.674	95	414867	58.534	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.287	59	1113	0.795	ug/l #	72
16) Acetone	4.222	43	92956	31.479	ug/l	97
18) Methyl Acetate	4.787	43	10190	Below Cal		94
20) Methylene Chloride	5.010	84	29166	4.681	ug/l	98
25) 2-Butanone	7.263	43	19029	4.064	ug/l	95
29) Tetrahydrofuran	7.622	42	3536	1.177	ug/l	98
31) Cyclohexane	8.016	56	10096	1.157	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	39854	5.204	ug/l #	50
37) Ethyl Acetate	7.339	43	69878	7.531	ug/l	99
38) Carbon Tetrachloride	8.016	117	54688	6.247	ug/l #	17
41) Methacrylonitrile	7.610	41	2550	0.608	ug/l #	32
42) 1,2-Dichloroethane	8.486	62	2297	0.276	ug/l #	74
43) Isopropyl Acetate	8.498	43	328330	24.839	ug/l #	92
48) Methyl methacrylate	9.480	41	10409	1.840	ug/l #	39
49) 1,4-Dioxane	9.510	88	157	0.933	ug/l #	25
51) 4-Methyl-2-Pentanone	10.274	43	27977	3.130	ug/l #	79
53) t-1,3-Dichloropropene	10.551	75	1954	0.221	ug/l #	14
54) cis-1,3-Dichloropropene	10.186	75	122525	12.675	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	14359	1.370	ug/l #	42
59) 2-Hexanone	11.033	43	173379	25.208	ug/l #	49
71) Bromoform	12.668	173	2249	0.349	ug/l #	28
74) N-amyl acetate	12.139	43	43237	3.204	ug/l #	48
76) 1,2,3-Trichloropropane	12.674	75	203373	19.959	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	203373	56.768	ug/l #	10

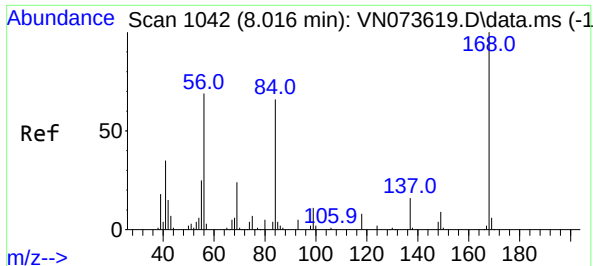
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

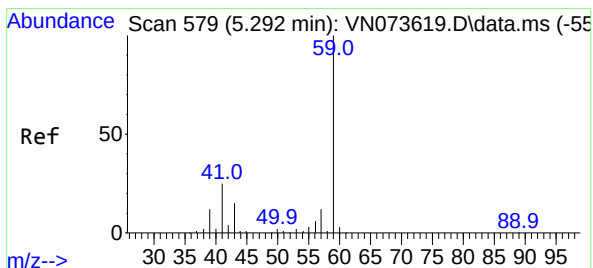
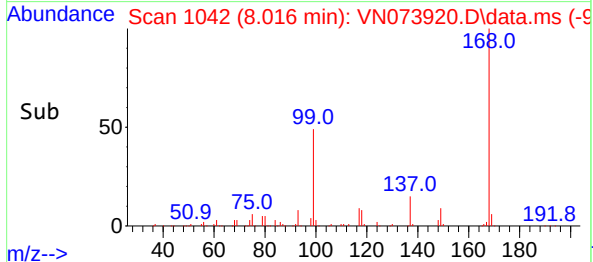
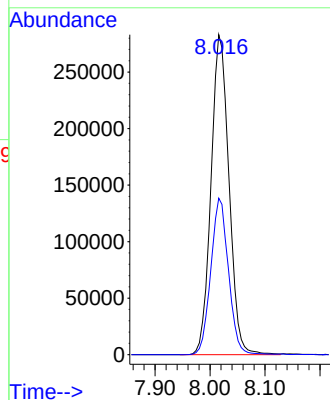
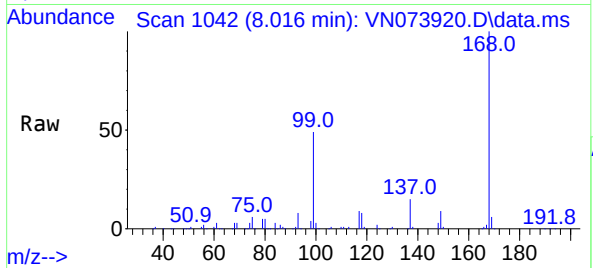




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

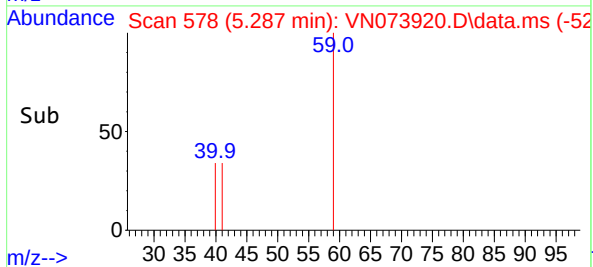
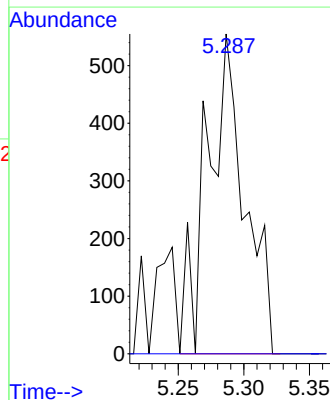
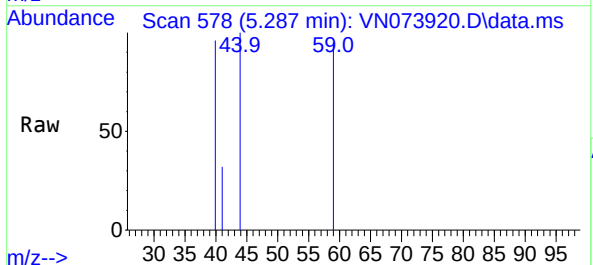
Instrument :
MSVOA_N
ClientSampleId :
S8

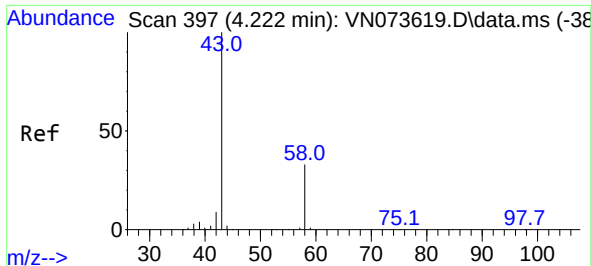
Tgt Ion:168 Resp: 642620
Ion Ratio Lower Upper
168 100
99 48.9 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.795 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 59 Resp: 1113
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

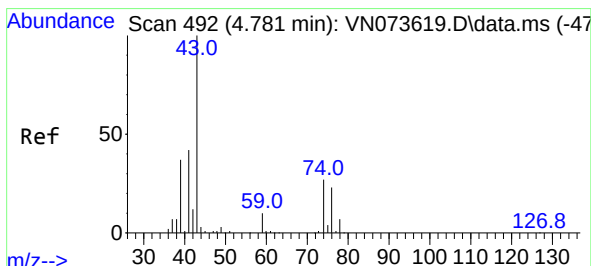
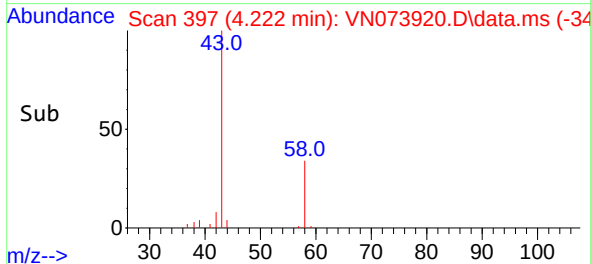
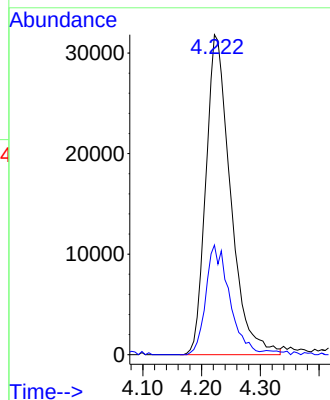
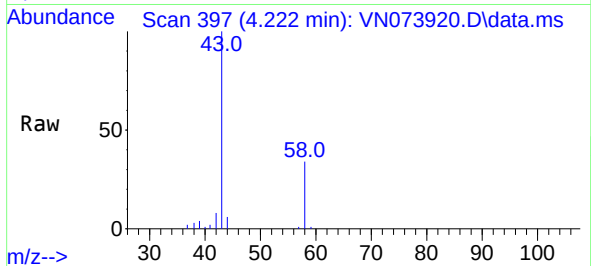




#16
Acetone
Concen: 31.479 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

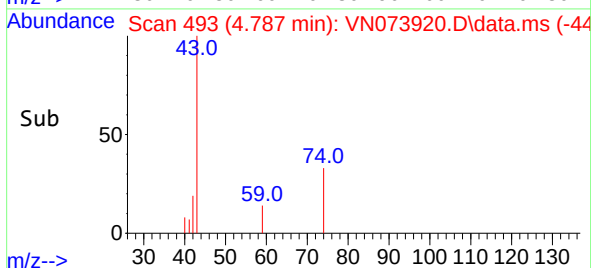
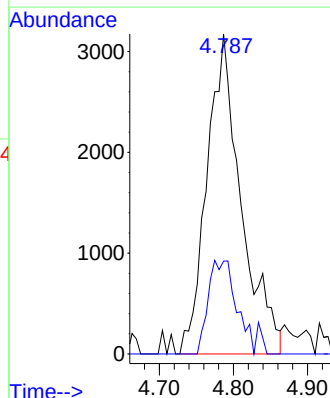
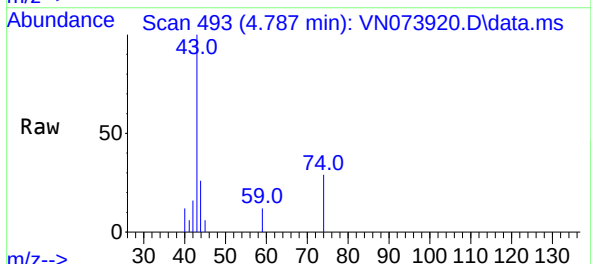
Instrument :
MSVOA_N
ClientSampleId :
S8

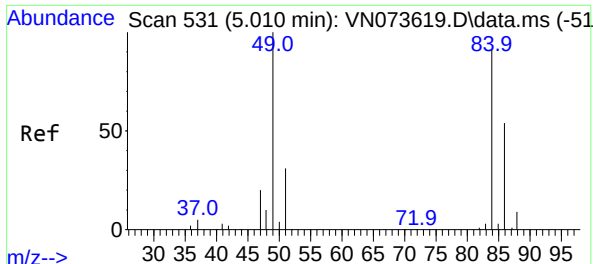
Tgt Ion: 43 Resp: 92956
Ion Ratio Lower Upper
43 100
58 34.3 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 43 Resp: 10190
Ion Ratio Lower Upper
43 100
74 24.0 21.6 32.4



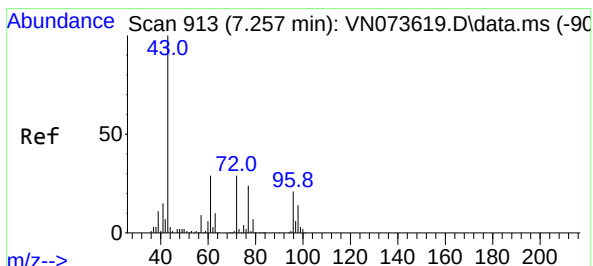
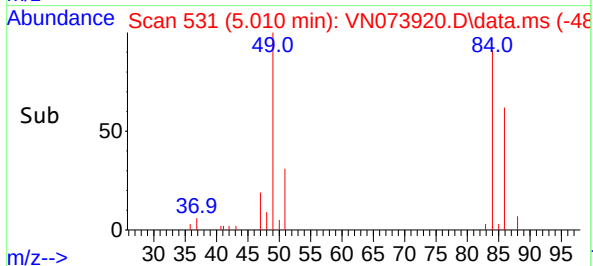
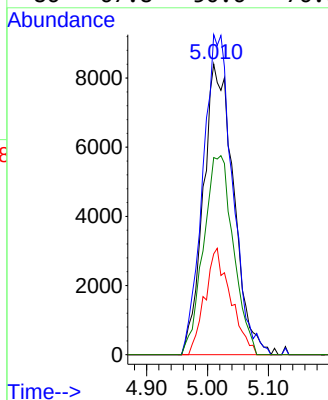
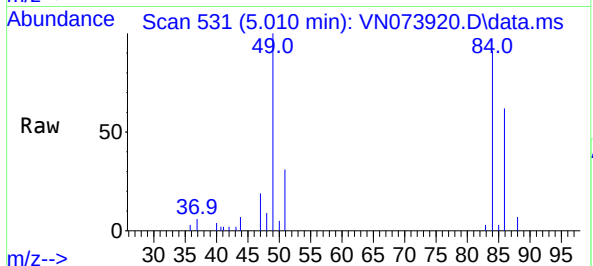


#20
Methylene Chloride
Concen: 4.681 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :
S8

Tgt Ion: 84 Resp: 29166

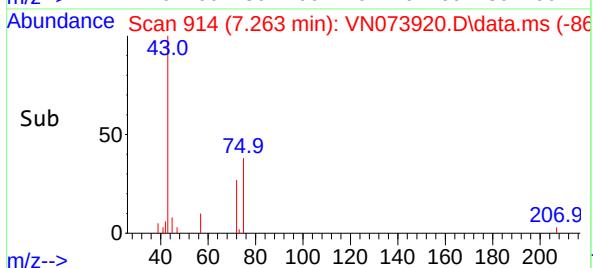
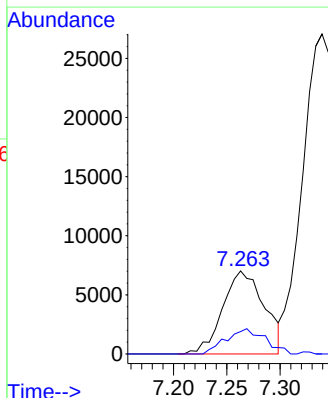
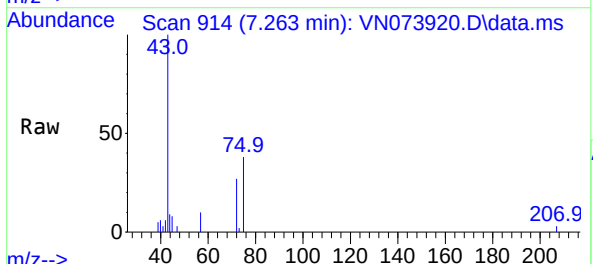
Ion	Ratio	Lower	Upper
84	100		
49	110.1	88.3	132.5
51	34.7	28.2	42.2
86	67.8	50.6	76.0

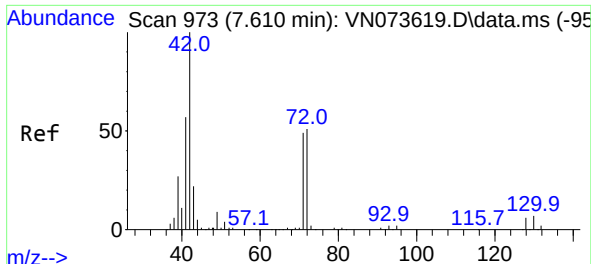


#25
2-Butanone
Concen: 4.064 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 43 Resp: 19029

Ion	Ratio	Lower	Upper
43	100		
72	26.9	23.7	35.5

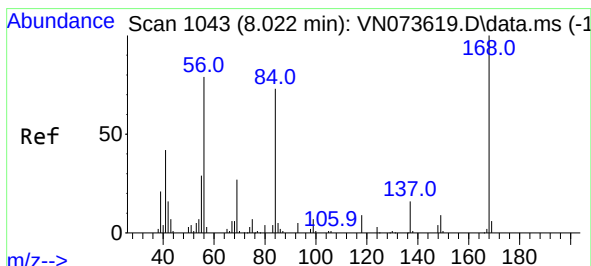
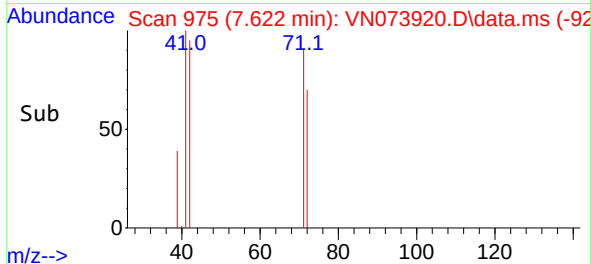
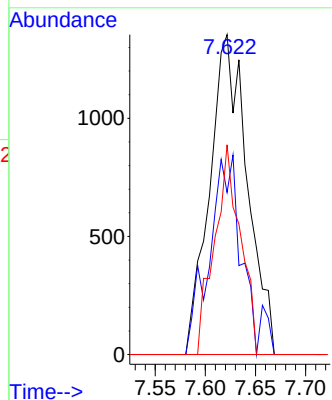
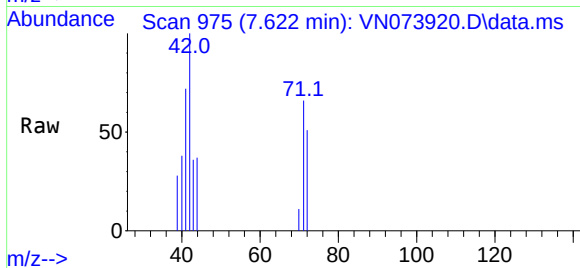




#29
Tetrahydrofuran
Concen: 1.177 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

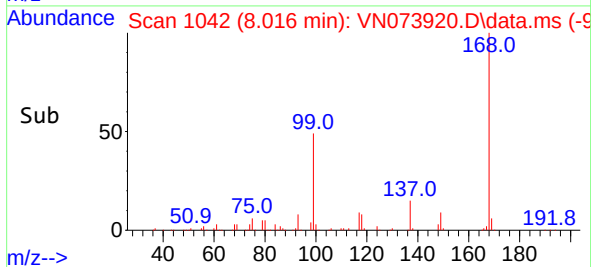
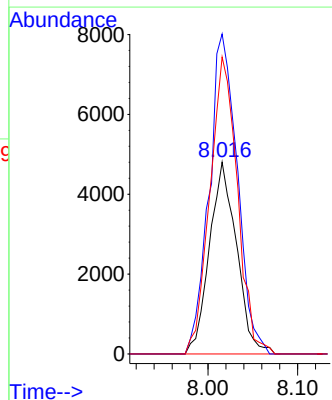
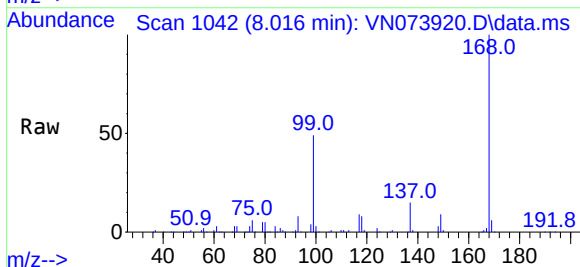
Instrument :
MSVOA_N
ClientSampleId :
S8

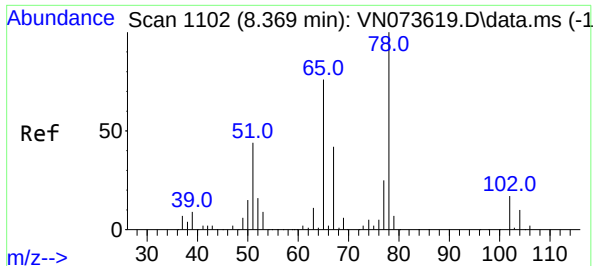
Tgt Ion:	42	Resp:	3536
Ion	Ratio	Lower	Upper
42	100		
72	51.4	39.7	59.5
71	45.2	36.6	55.0



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion:	56	Resp:	10096
Ion	Ratio	Lower	Upper
56	100		
69	166.7	27.8	41.8#
84	154.7	76.9	115.3#

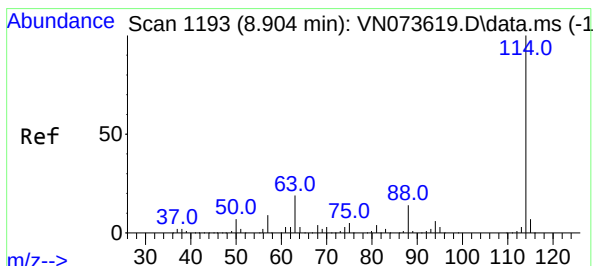
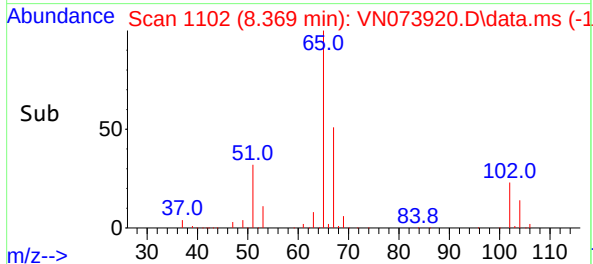
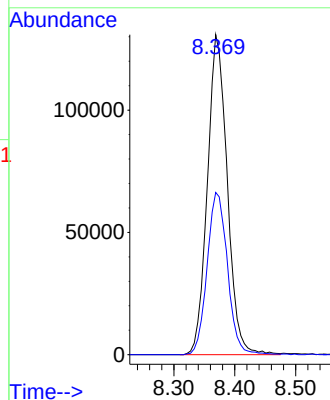
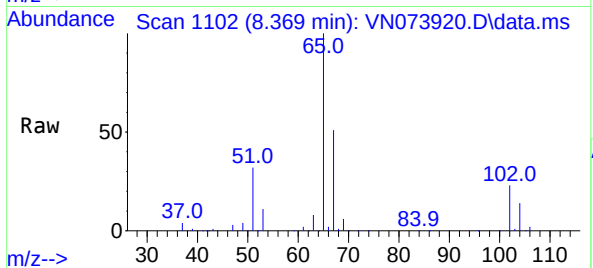




#33
1,2-Dichloroethane-d4
Concen: 47.529 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

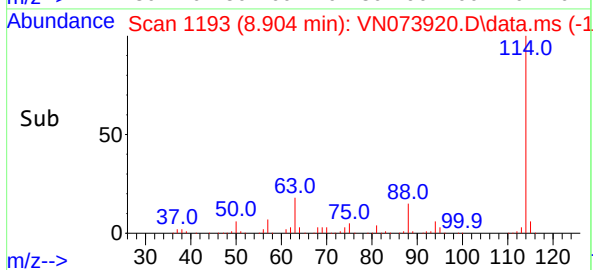
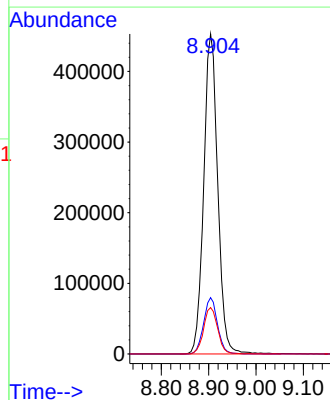
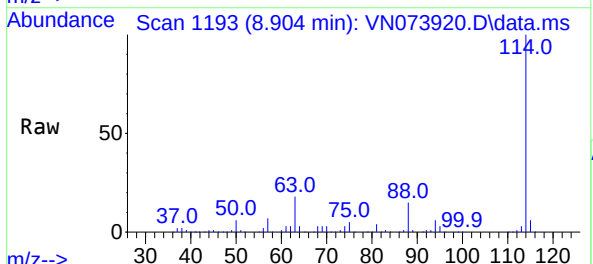
Instrument :
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ClientSampleId :
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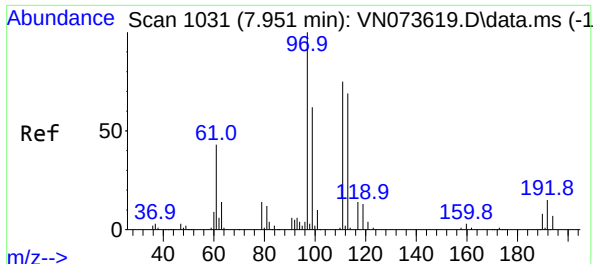
Tgt Ion: 65 Resp: 297487
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 114 Resp: 932415
Ion Ratio Lower Upper
114 100
63 17.6 0.0 40.0
88 14.5 0.0 32.6

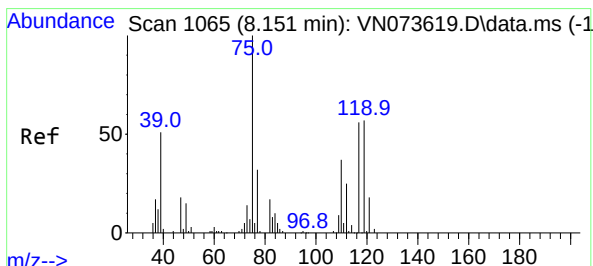
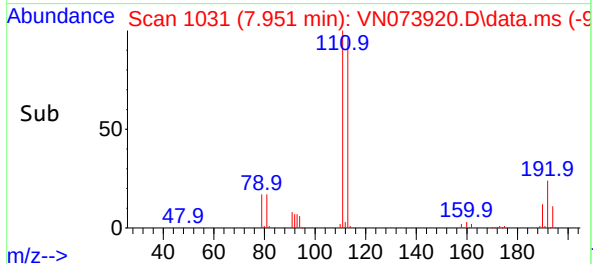
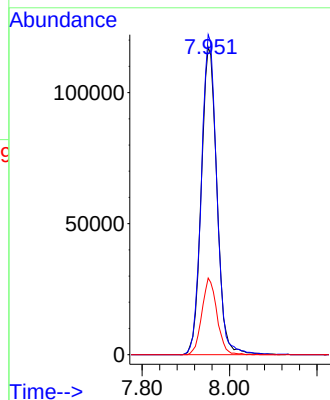
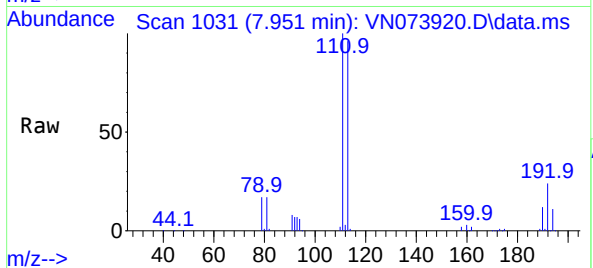




#35
Dibromofluoromethane
Concen: 53.034 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

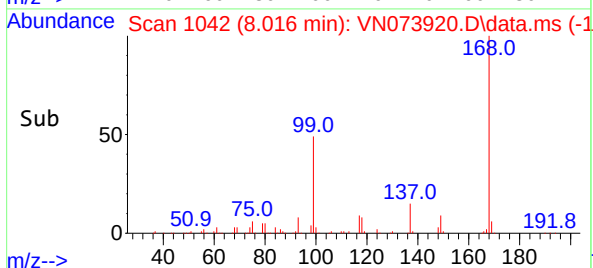
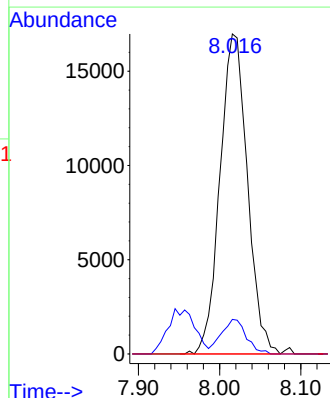
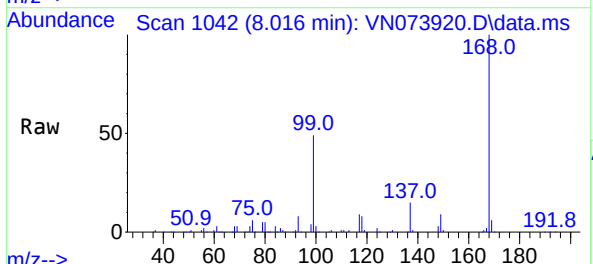
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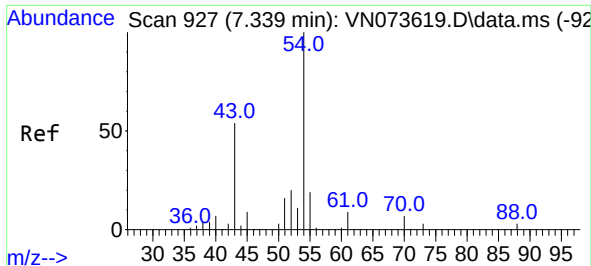
Tgt Ion:113 Resp: 292441
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 24.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.204 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 75 Resp: 39854
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 25.1 37.7#

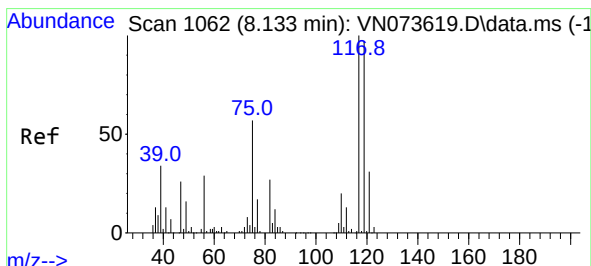
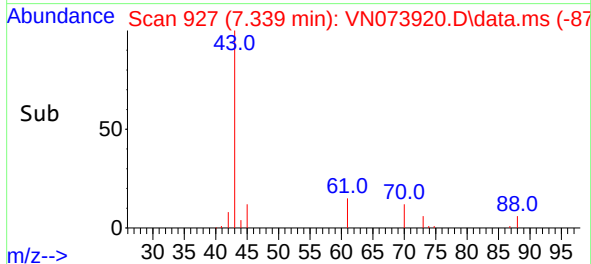
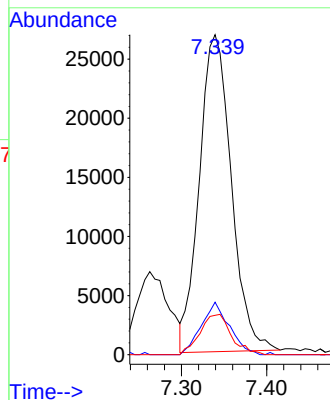
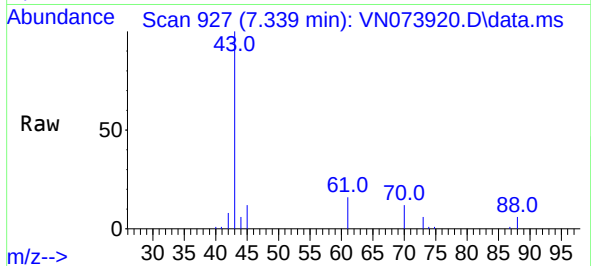




#37
Ethyl Acetate
Concen: 7.531 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

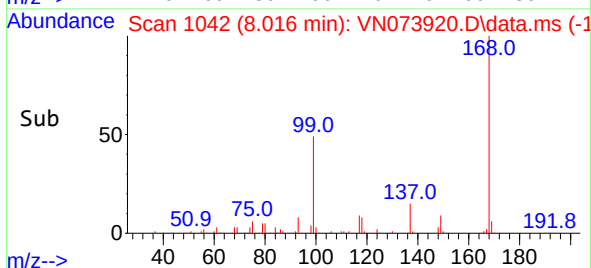
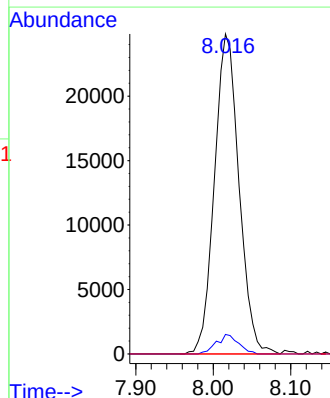
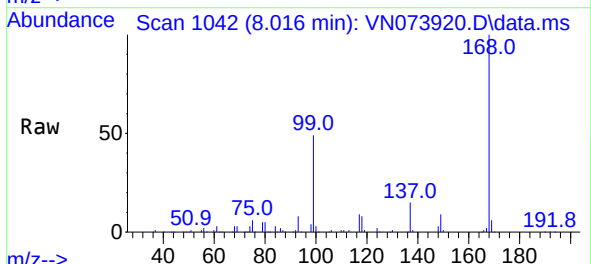
Instrument :
MSVOA_N
ClientSampleId :
S8

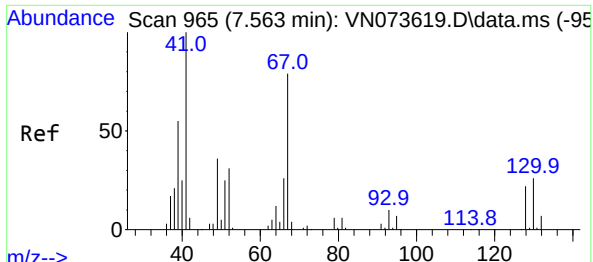
Tgt Ion:	43	Resp:	69878
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	12.4	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

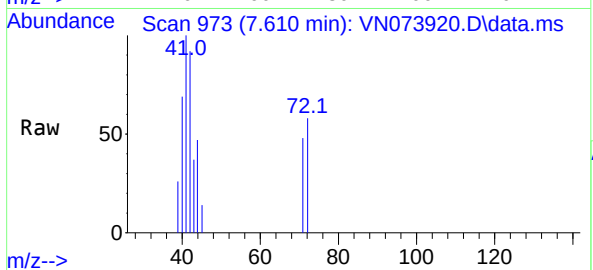
Tgt Ion:	117	Resp:	54688
Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.8	113.8#
121	0.0	24.6	37.0#





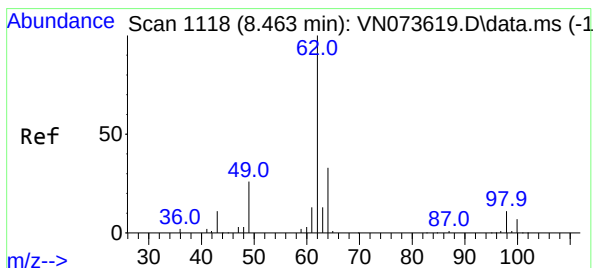
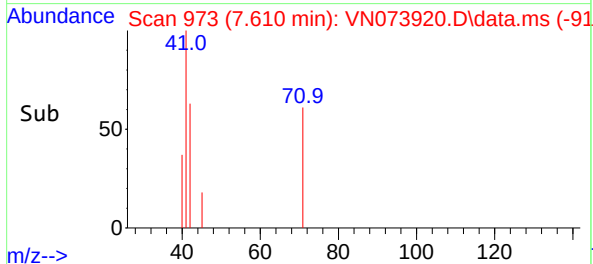
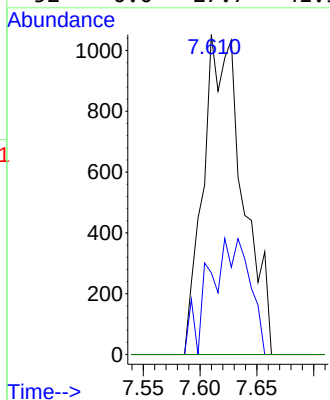
#41
Methacrylonitrile
Concen: 0.608 ug/l
RT: 7.610 min Scan# 91
Delta R.T. 0.047 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :
S8



Tgt Ion: 41 Resp: 2550

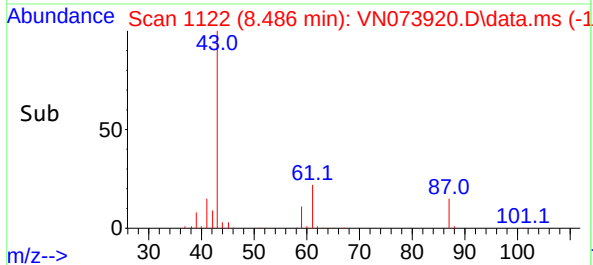
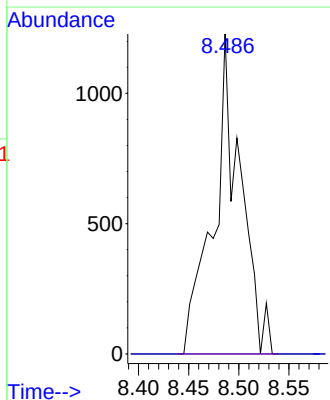
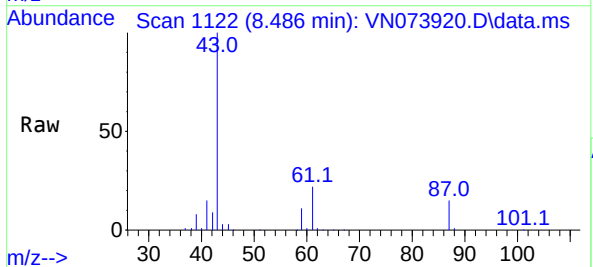
Ion	Ratio	Lower	Upper
41	100		
39	37.4	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#

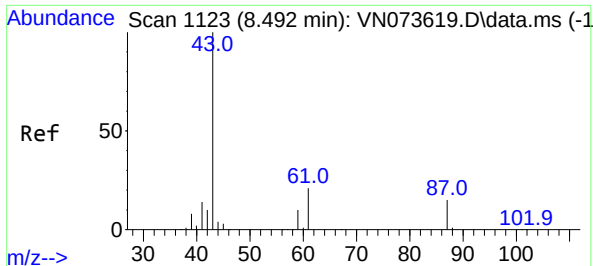


#42
1,2-Dichloroethane
Concen: 0.276 ug/l
RT: 8.486 min Scan# 1122
Delta R.T. 0.023 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 62 Resp: 2297

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4

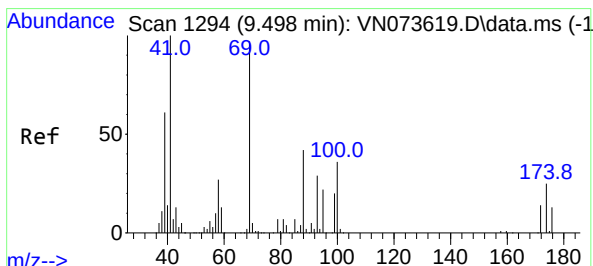
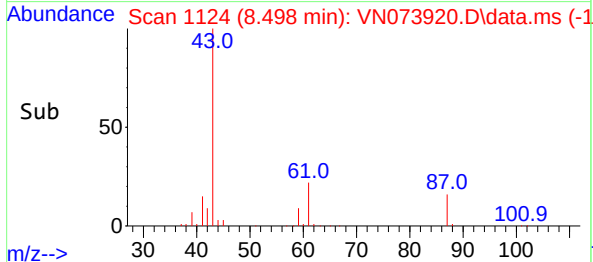
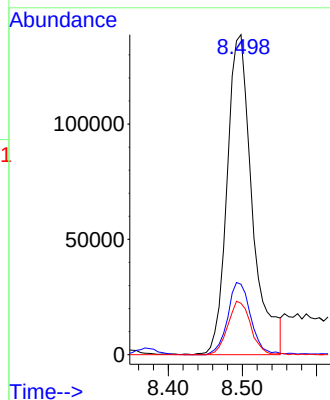
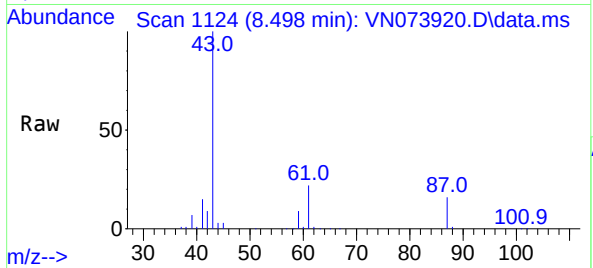




#43
Isopropyl Acetate
Concen: 24.839 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

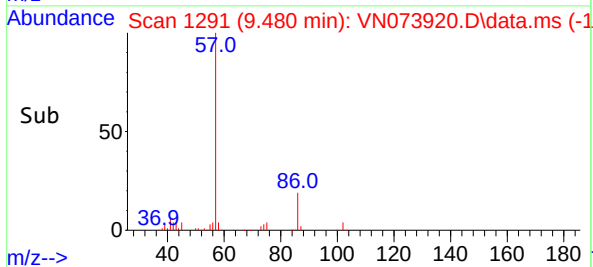
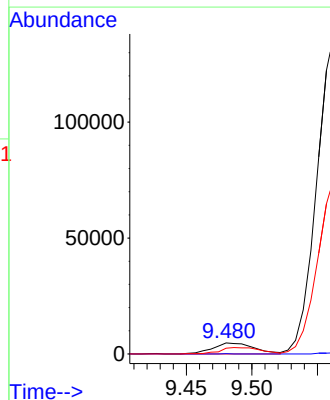
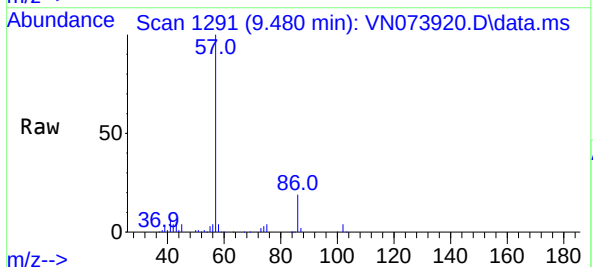
Instrument :
MSVOA_N
ClientSampleId :
S8

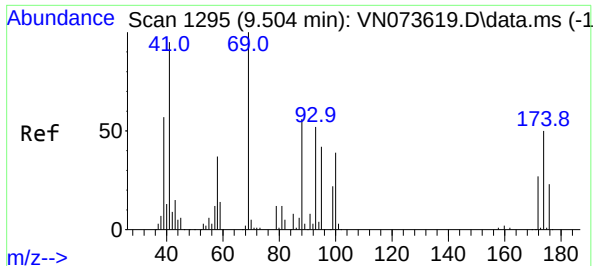
Tgt Ion: 43 Resp: 328330
Ion Ratio Lower Upper
43 100
61 20.6 21.9 32.9#
87 15.0 12.0 18.0



#48
Methyl methacrylate
Concen: 1.840 ug/l
RT: 9.480 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 41 Resp: 10409
Ion Ratio Lower Upper
41 100
69 0.5 74.7 112.1#
39 58.2 45.6 68.4

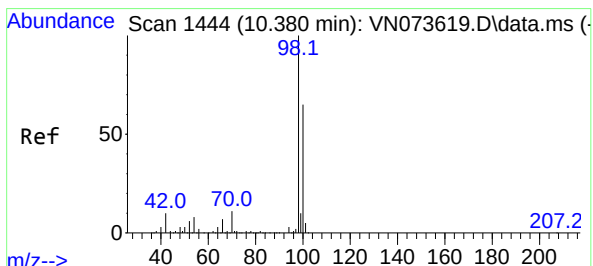
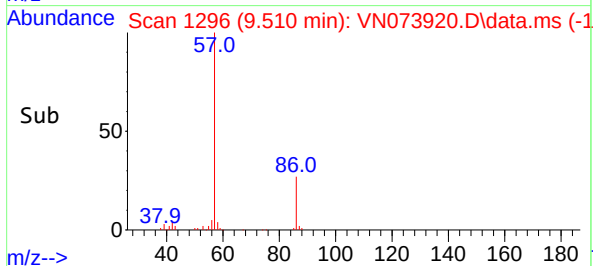
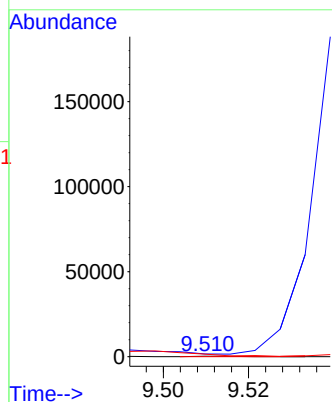
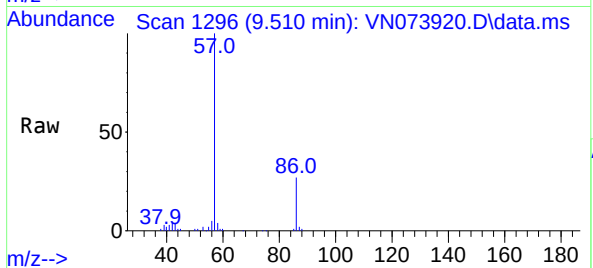




#49
1,4-Dioxane
Concen: 0.933 ug/l
RT: 9.510 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

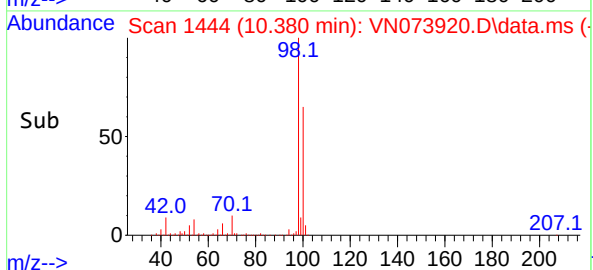
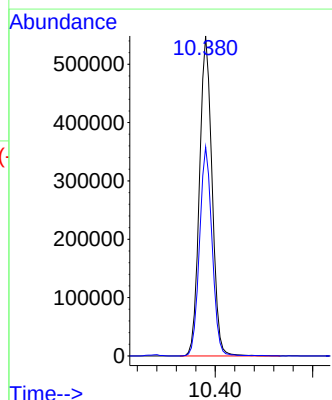
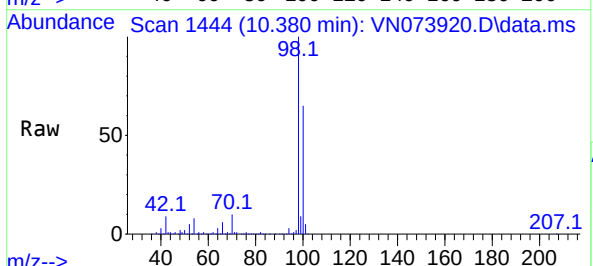
Instrument :
MSVOA_N
ClientSampleId :
S8

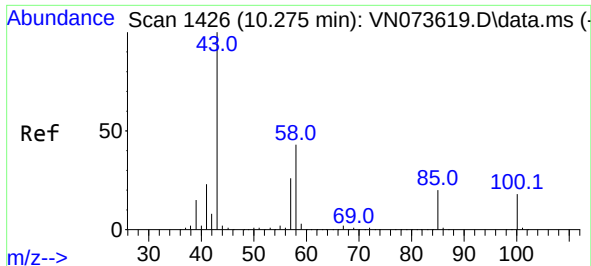
Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 46.097 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 98 Resp: 984448
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

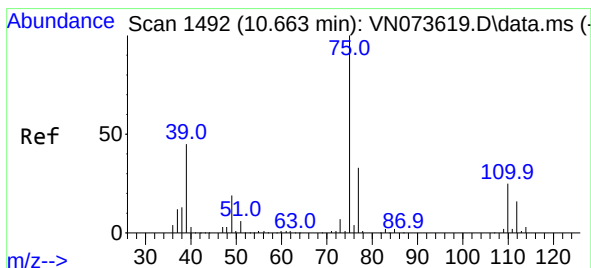
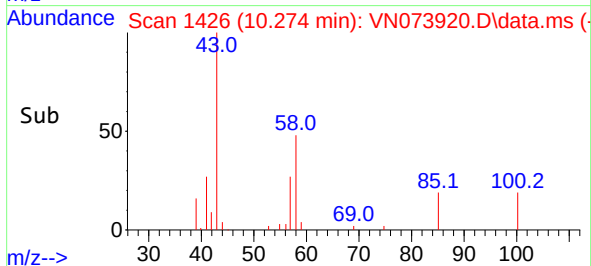
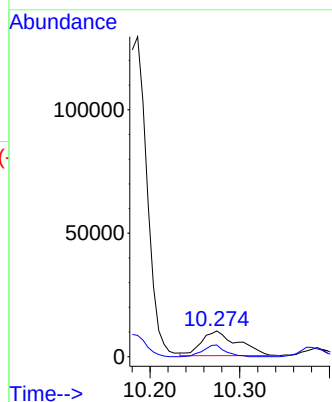
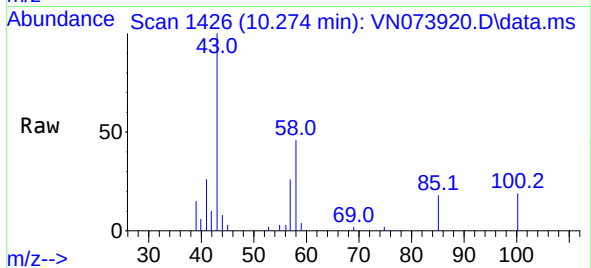




#51
4-Methyl-2-Pentanone
Concen: 3.130 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

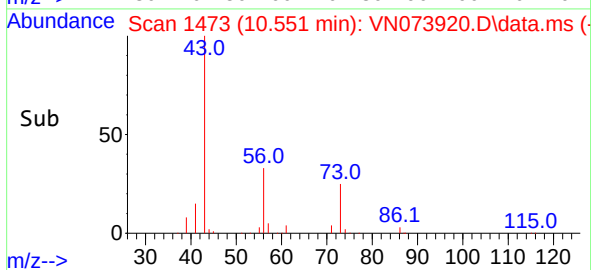
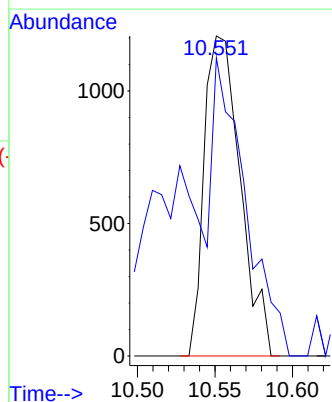
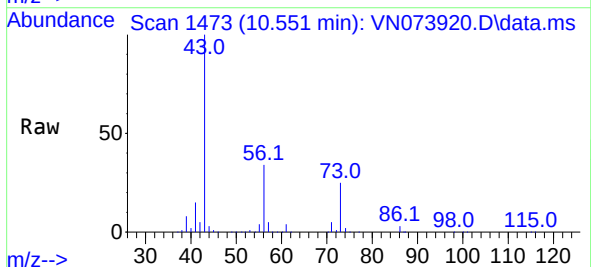
Instrument :
MSVOA_N
ClientSampleId :
S8

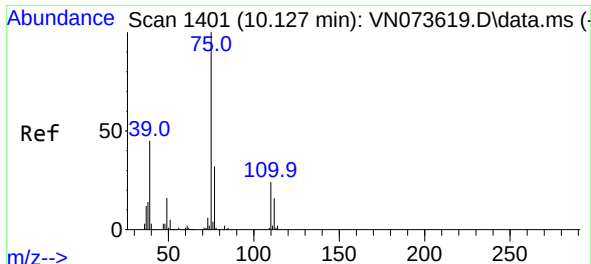
Tgt Ion: 43 Resp: 27977
Ion Ratio Lower Upper
43 100
58 28.9 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.221 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 75 Resp: 1954
Ion Ratio Lower Upper
75 100
77 79.7 25.6 38.4#

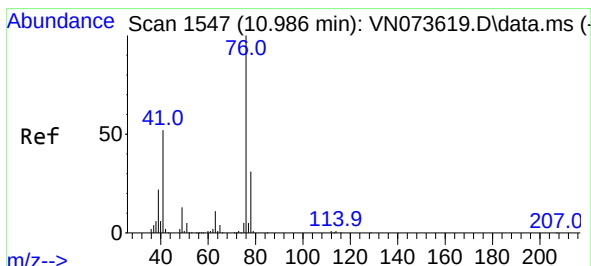
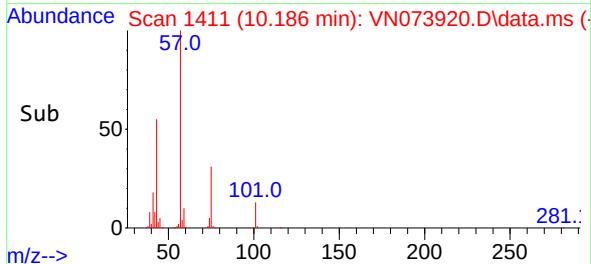
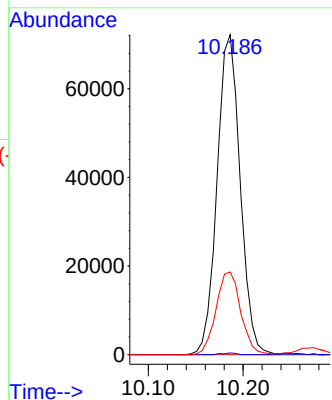
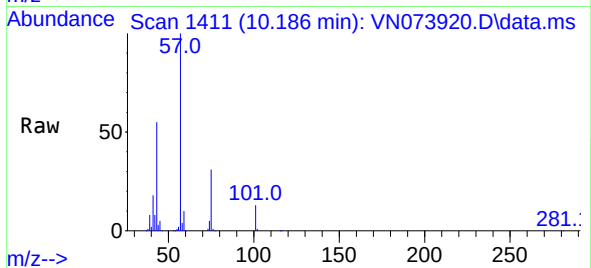




#54
cis-1,3-Dichloropropene
Concen: 12.675 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

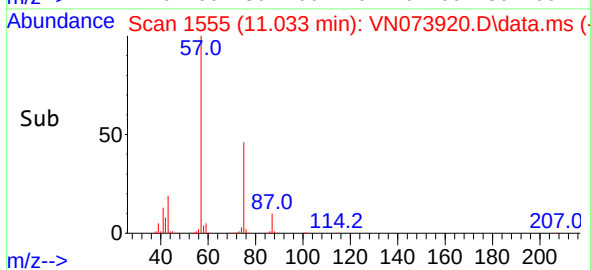
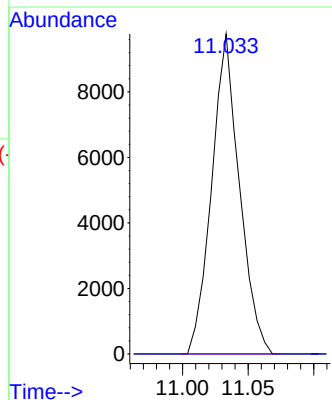
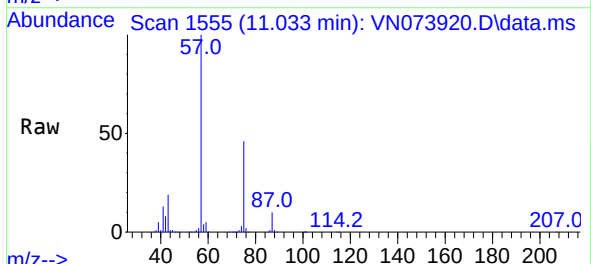
Instrument :
MSVOA_N
ClientSampleId :
S8

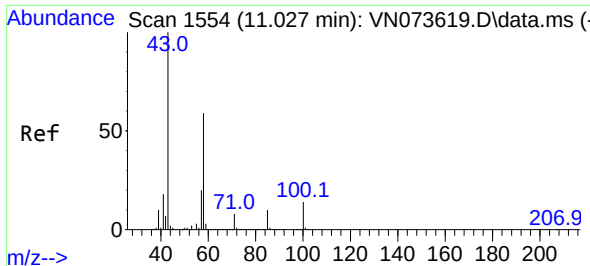
Tgt Ion: 75 Resp: 122525
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 25.8 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 1.370 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 76 Resp: 14359
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

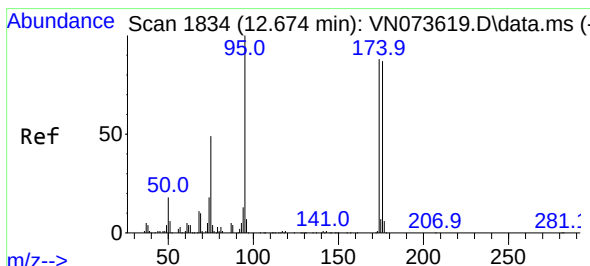
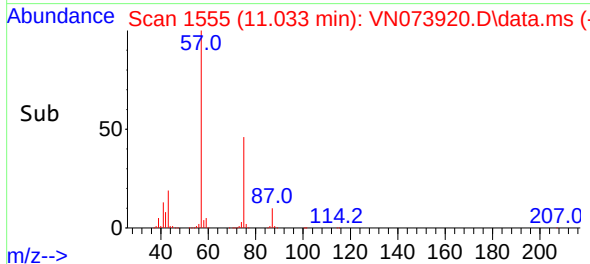
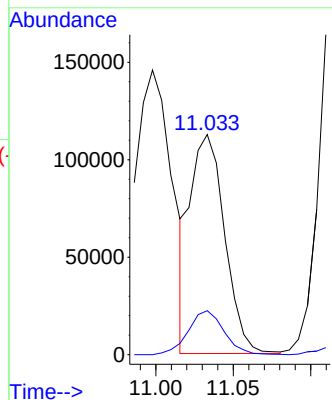
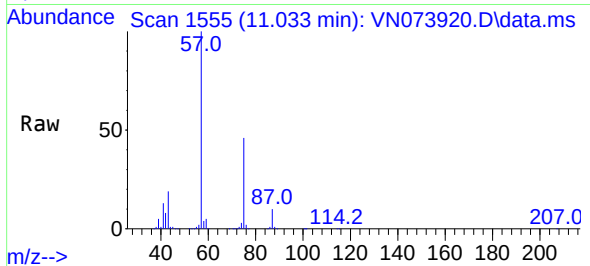




#59
2-Hexanone
Concen: 25.208 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

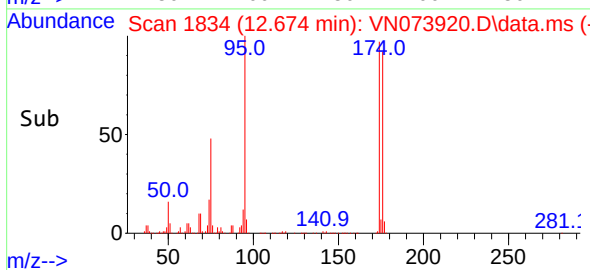
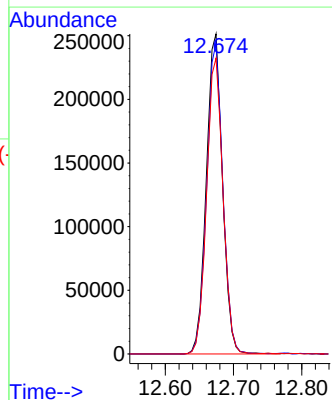
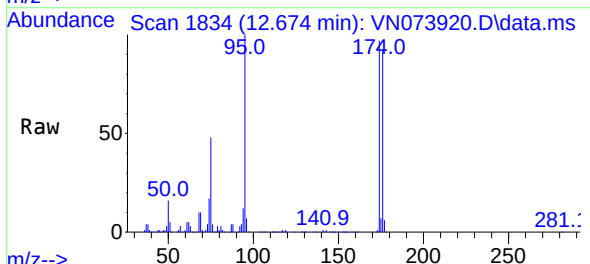
Instrument :
MSVOA_N
ClientSampleId :
S8

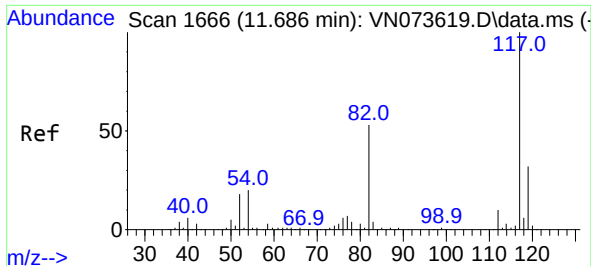
Tgt Ion: 43 Resp: 173379
Ion Ratio Lower Upper
43 100
58 21.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.534 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 95 Resp: 414867
Ion Ratio Lower Upper
95 100
174 96.6 0.0 167.6
176 93.4 0.0 163.4

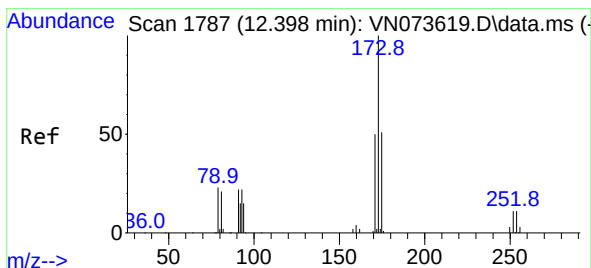
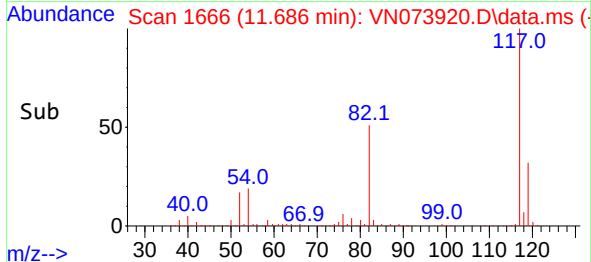
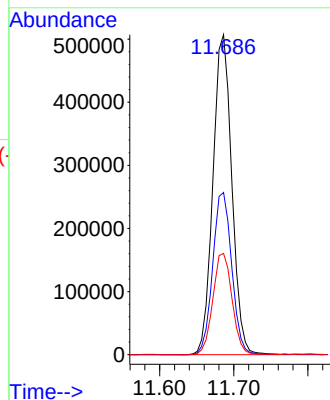
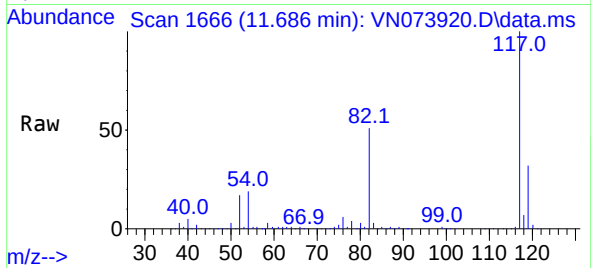




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

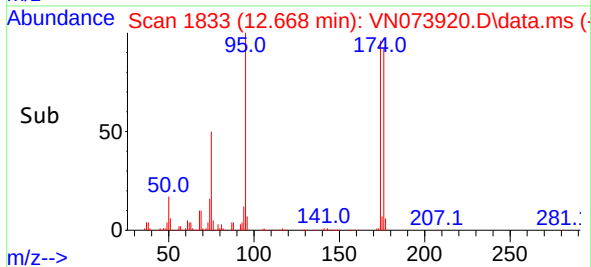
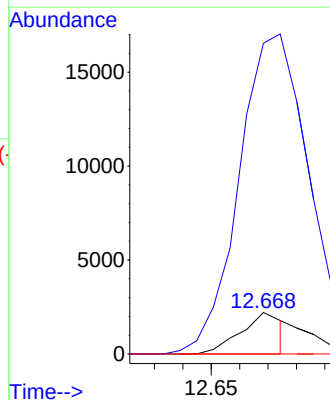
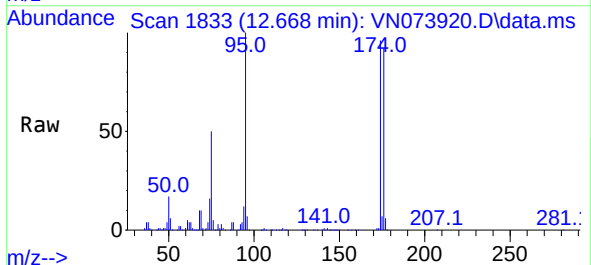
Instrument :
MSVOA_N
ClientSampleId :
S8

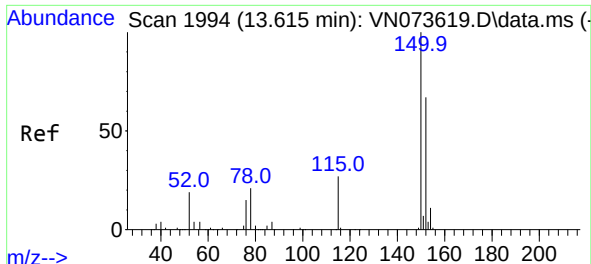
Tgt Ion:117 Resp: 896615
Ion Ratio Lower Upper
117 100
82 50.7 44.2 66.2
119 31.6 25.4 38.0



#71
Bromoform
Concen: 0.349 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion:173 Resp: 2249
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

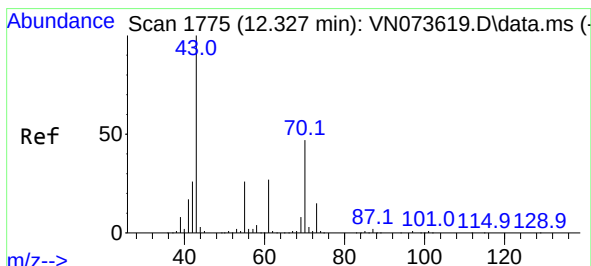
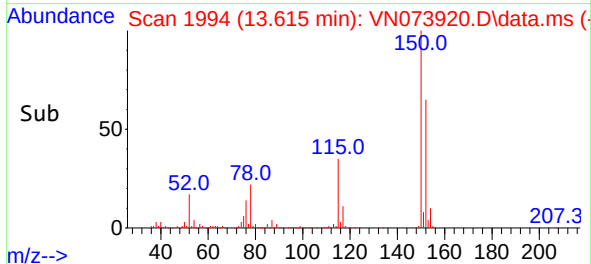
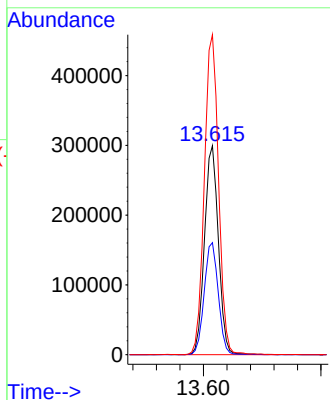
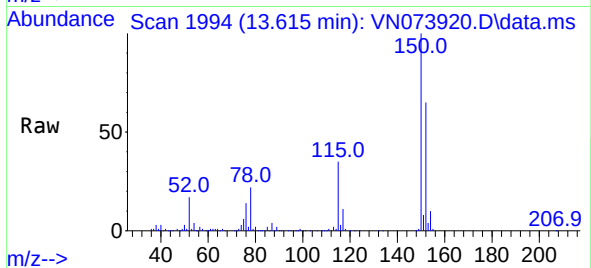




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

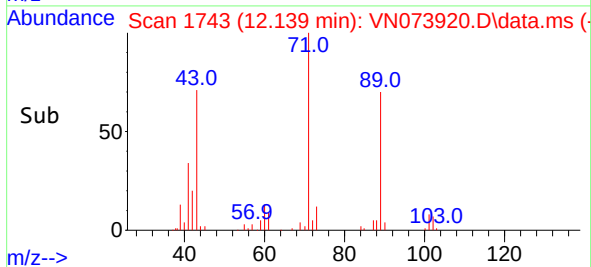
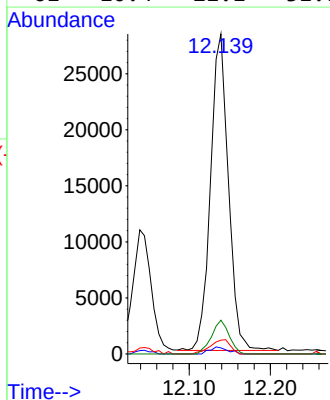
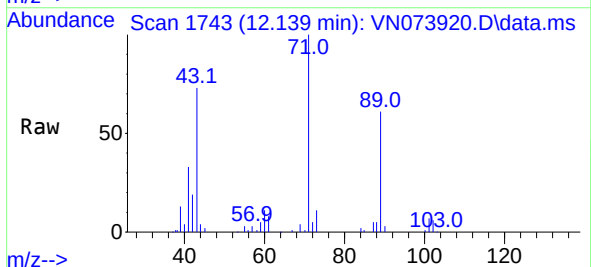
Instrument :
MSVOA_N
ClientSampleId :
S8

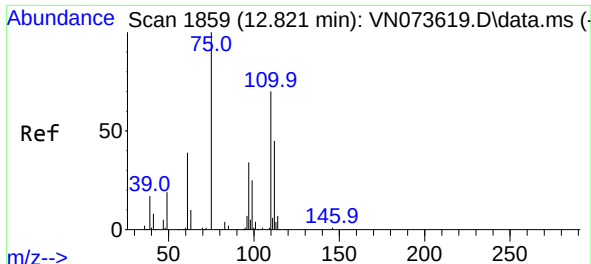
Tgt Ion:152 Resp: 490231
Ion Ratio Lower Upper
152 100
115 54.3 28.9 86.7
150 156.5 0.0 356.2



#74
N-ethyl acetate
Concen: 3.204 ug/l
RT: 12.139 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 43 Resp: 43237
Ion Ratio Lower Upper
43 100
70 2.2 39.0 58.4#
55 5.0 21.1 31.7#
61 10.4 21.1 31.7#

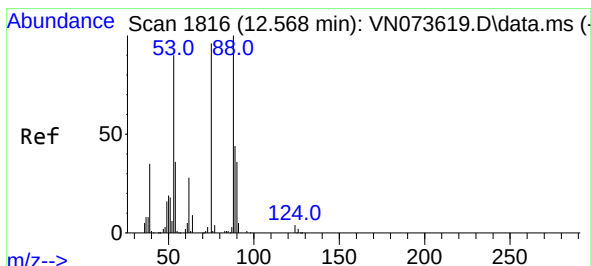
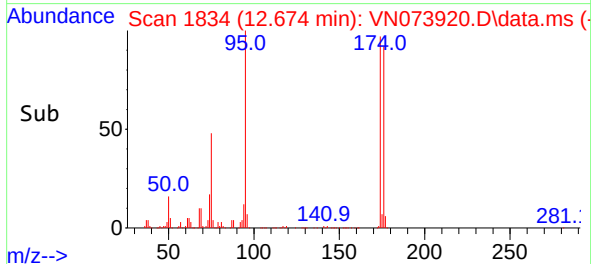
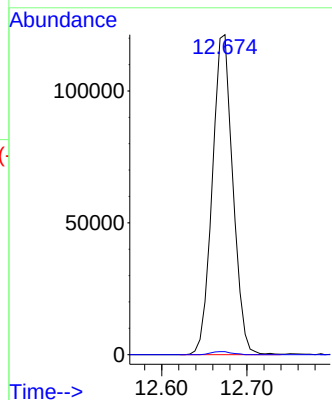
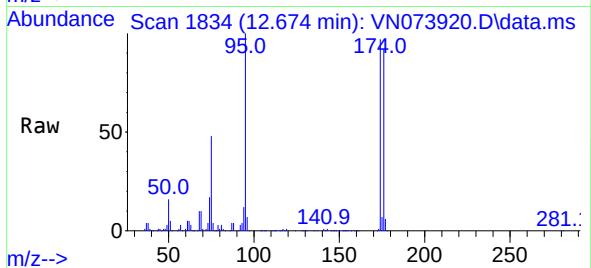




#76
1,2,3-Trichloropropane
Concen: 19.959 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :
S8

Tgt Ion: 75 Resp: 203373
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.768 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073920.D
Acq: 16 Aug 2022 02:07

Tgt Ion: 75 Resp: 203373
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

