

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071306.D
 Acq On : 15 Mar 2022 20:53
 Operator : JC\MD
 Sample : N1955-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1335

Quant Time: Mar 16 08:08:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

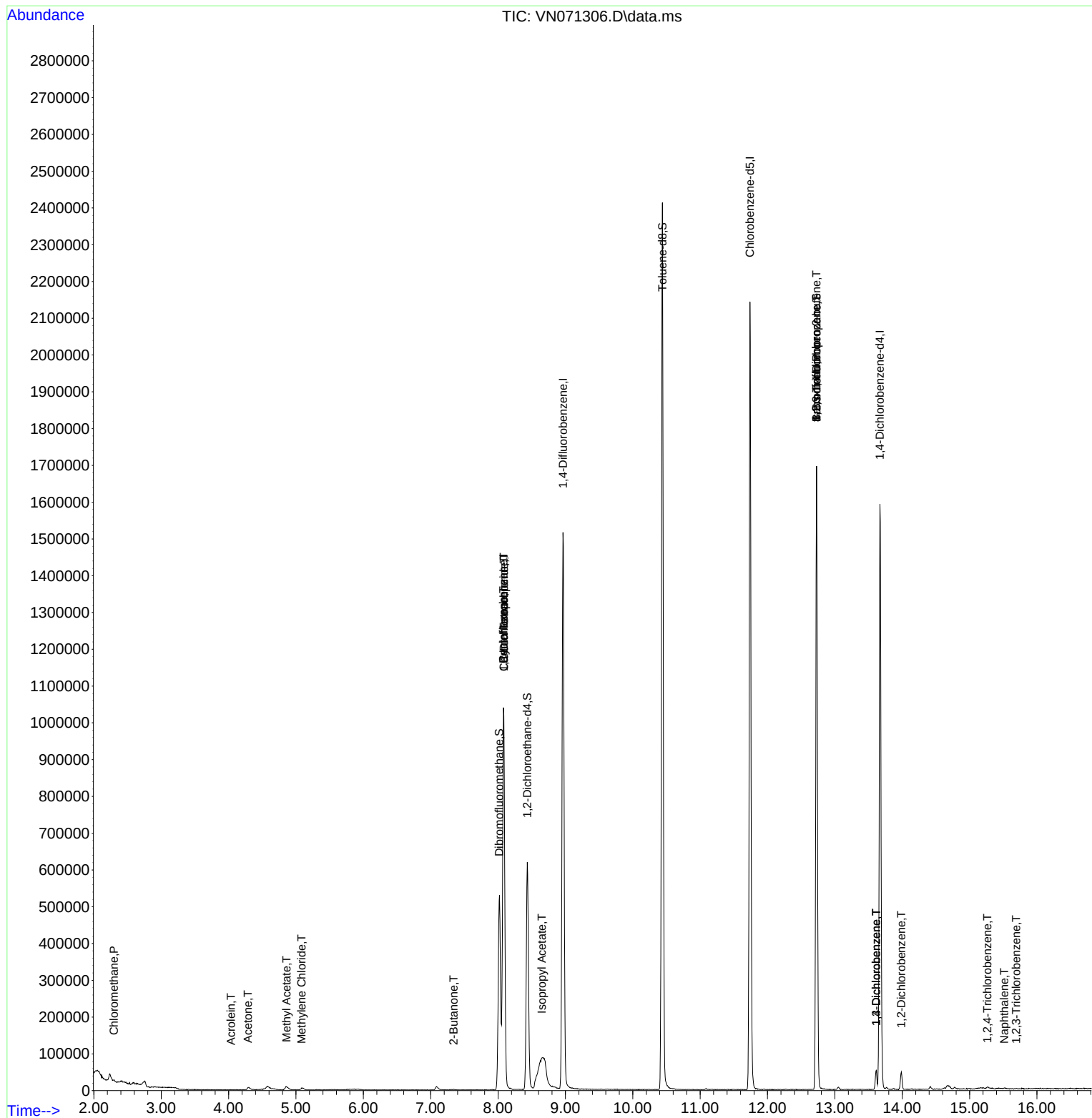
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	792540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1335397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1227282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	437362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	508231	46.790	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.580%
35) Dibromofluoromethane	8.016	113	390091	46.292	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.580%
50) Toluene-d8	10.439	98	1617228	47.665	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.340%
62) 4-Bromofluorobenzene	12.727	95	577341	50.251	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2841	0.209	ug/l	94
5) Bromomethane	2.851	94	1193	Below Cal		92
13) Acrolein	4.034	56	503	0.223	ug/l #	14
16) Acetone	4.287	43	10591	2.004	ug/l #	77
18) Methyl Acetate	4.857	43	20791	1.921	ug/l	95
20) Methylene Chloride	5.081	84	1991	0.586	ug/l #	83
25) 2-Butanone	7.339	43	2261	0.266	ug/l	97
31) Cyclohexane	8.081	56	17722	1.022	ug/l #	12
36) 1,1-Dichloropropene	8.086	75	60704	4.496	ug/l #	49
38) Carbon Tetrachloride	8.086	117	78139	5.983	ug/l #	16
43) Isopropyl Acetate	8.651	43	167943	6.044	ug/l #	56
71) Bromoform	12.727	173	3810	0.519	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.733	83	595	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	304427	27.446	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	304427	75.243	ug/l #	5
87) 1,3-Dichlorobenzene	13.615	146	22886	1.433	ug/l	98
88) 1,4-Dichlorobenzene	13.615	146	22886	1.466	ug/l	98
91) 1,2-Dichlorobenzene	13.986	146	19427	1.265	ug/l	96
93) 1,2,4-Trichlorobenzene	15.262	180	2026	3.255	ug/l	95
95) Naphthalene	15.515	128	714	5.100	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	283	2.771	ug/l	92

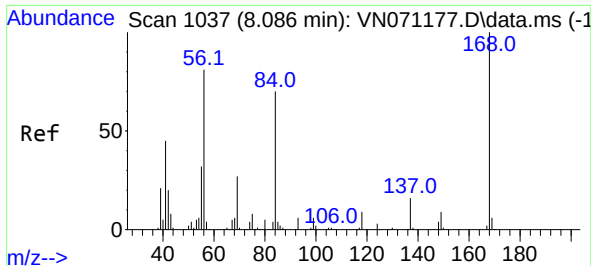
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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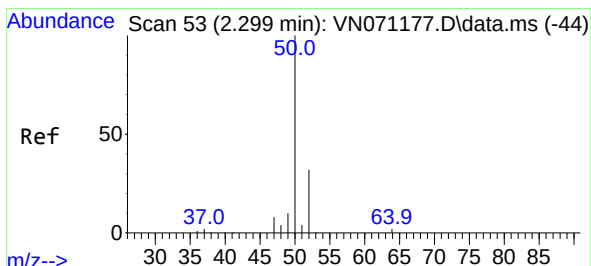
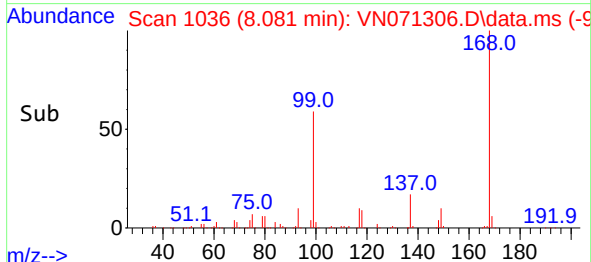
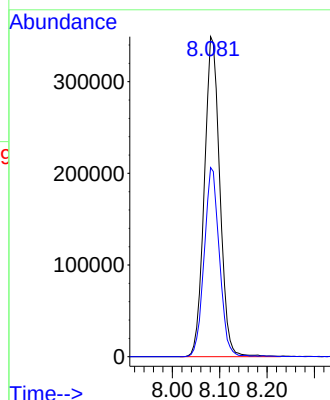
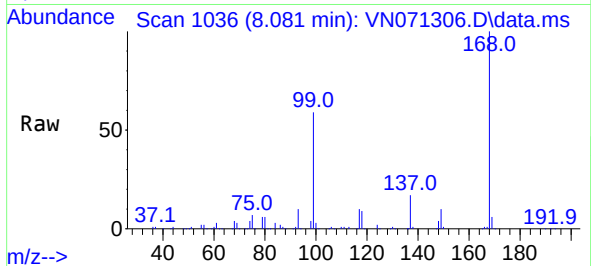




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

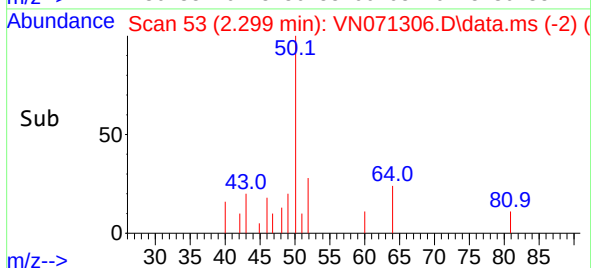
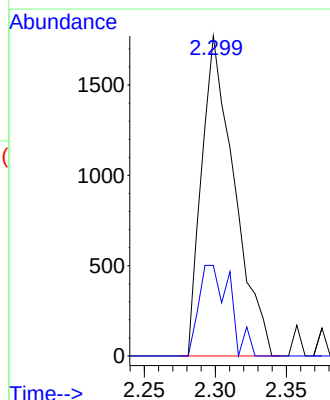
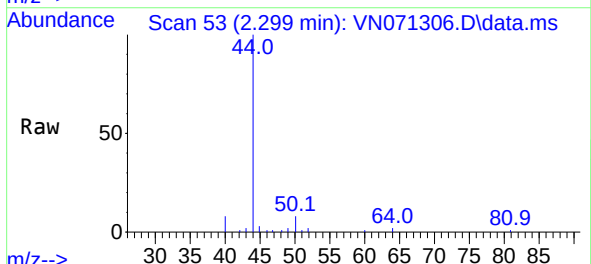
Instrument :
MSVOA_N
ClientSampleId :
1335

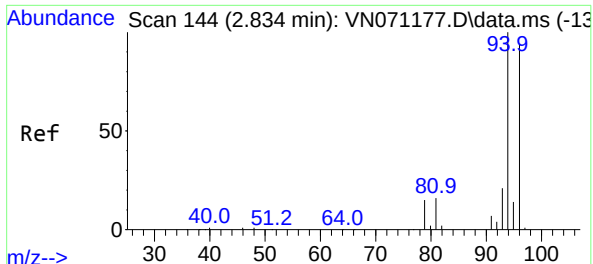
Tgt Ion:168 Resp: 792540
Ion Ratio Lower Upper
168 100
99 59.1 41.3 61.9



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion: 50 Resp: 2841
Ion Ratio Lower Upper
50 100
52 28.3 25.4 38.0

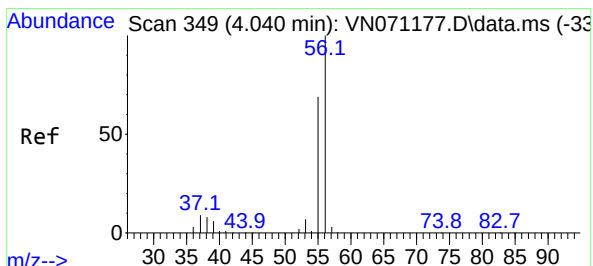
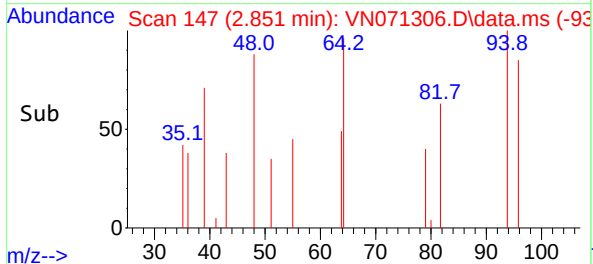
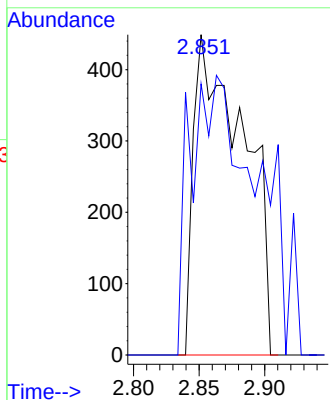
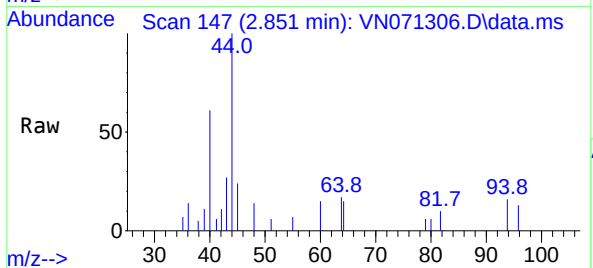




#5
Bromomethane
Concen: Below Cal
RT: 2.851 min Scan# 14
Delta R.T. 0.017 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

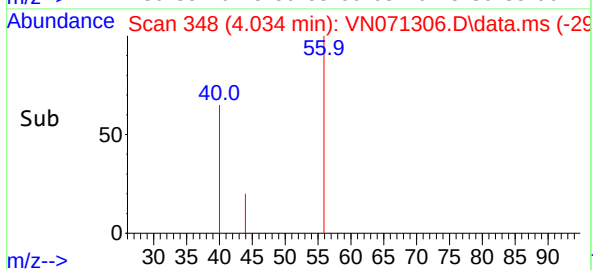
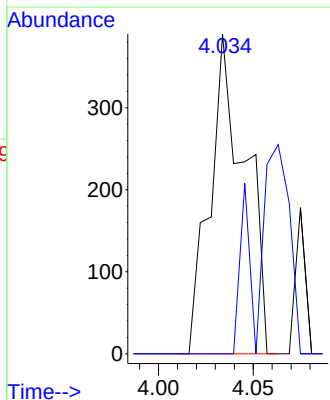
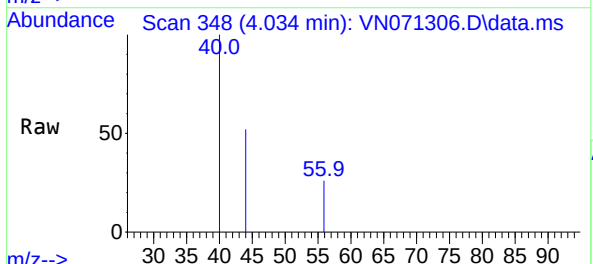
Instrument :
MSVOA_N
ClientSampleId :
1335

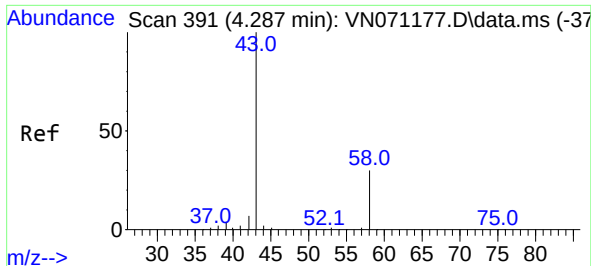
Tgt Ion: 94 Resp: 1193
Ion Ratio Lower Upper
94 100
96 84.6 73.8 110.8



#13
Acrolein
Concen: 0.223 ug/l
RT: 4.034 min Scan# 348
Delta R.T. -0.006 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion: 56 Resp: 503
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

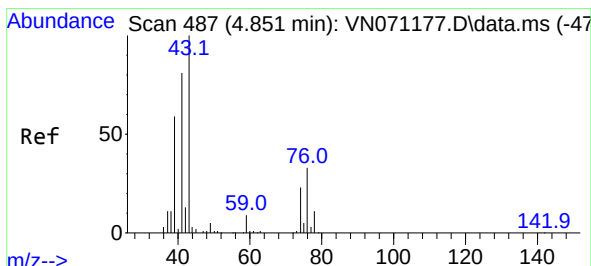
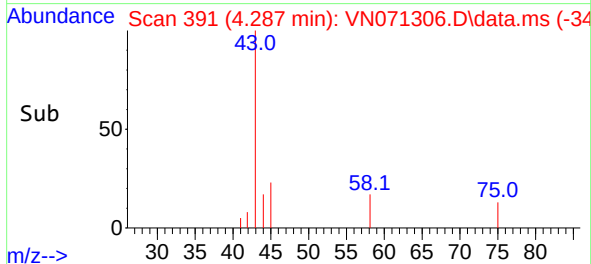
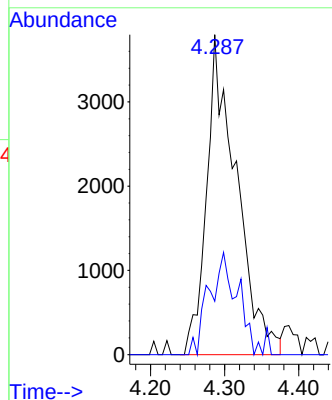
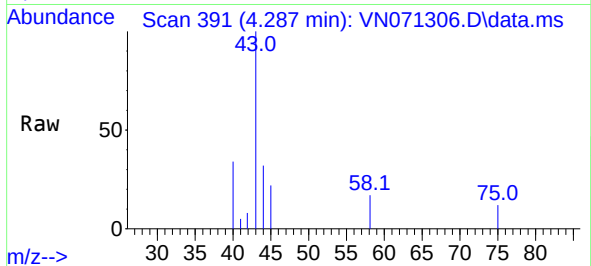




#16
Acetone
Concen: 2.004 ug/l
RT: 4.287 min Scan# 391
Delta R.T. -0.000 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

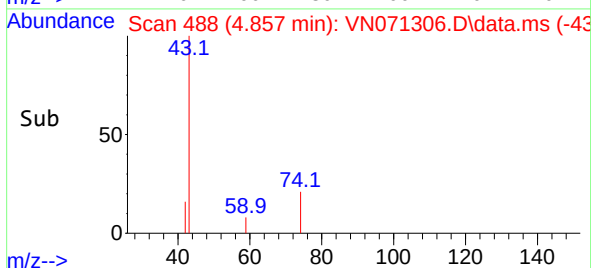
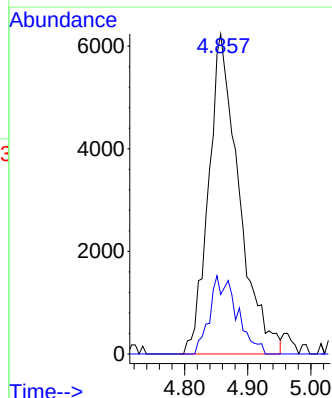
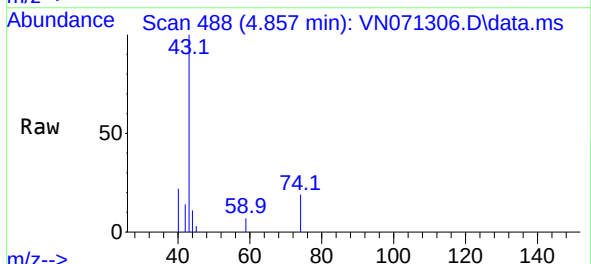
Instrument :
MSVOA_N
ClientSampleId :
1335

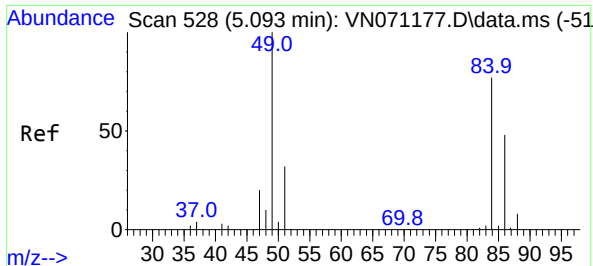
Tgt Ion: 43 Resp: 10591
Ion Ratio Lower Upper
43 100
58 16.7 23.1 34.7#



#18
Methyl Acetate
Concen: 1.921 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

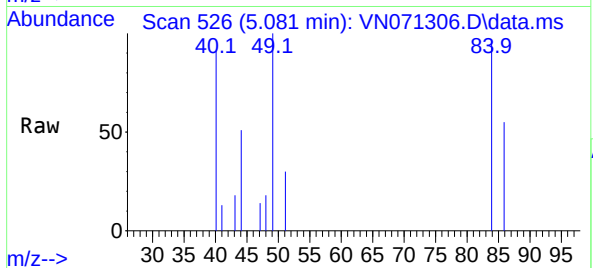
Tgt Ion: 43 Resp: 20791
Ion Ratio Lower Upper
43 100
74 21.9 19.4 29.2





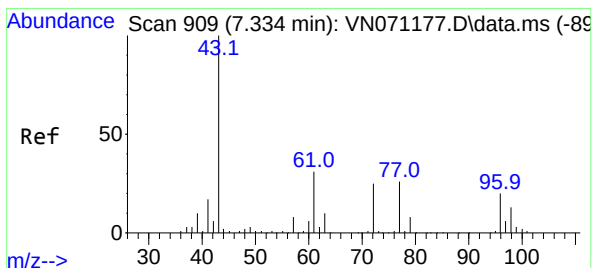
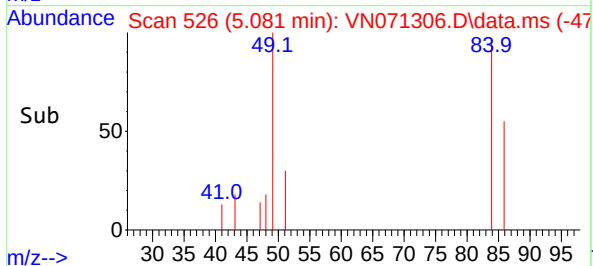
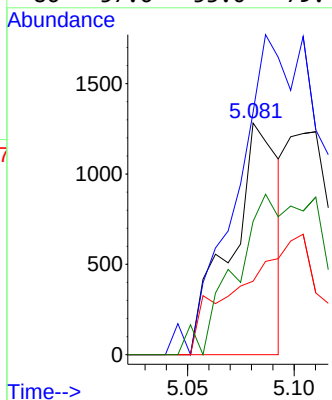
#20
Methylene Chloride
Concen: 0.586 ug/l
RT: 5.081 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Instrument :
MSVOA_N
ClientSampleId :
1335



Tgt Ion: 84 Resp: 1991

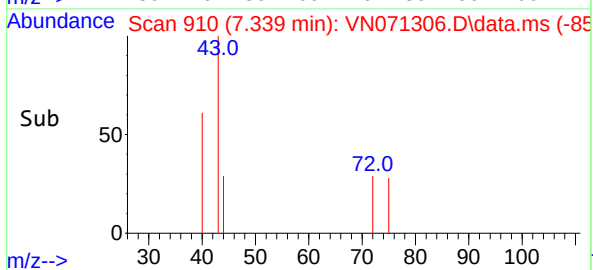
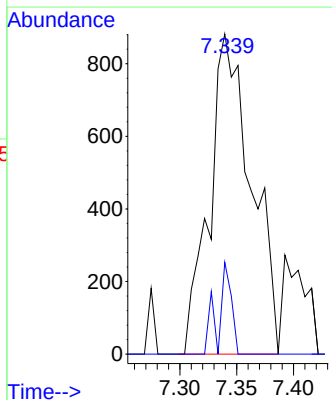
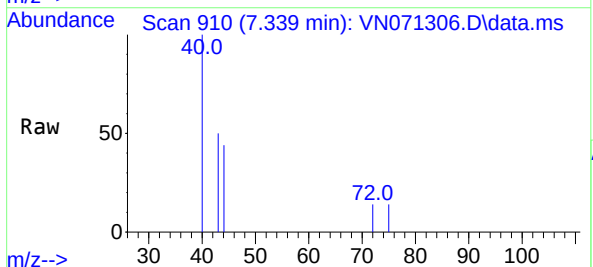
Ion	Ratio	Lower	Upper
84	100		
49	91.3	93.5	140.3#
51	31.7	29.4	44.2
86	57.6	53.0	79.4

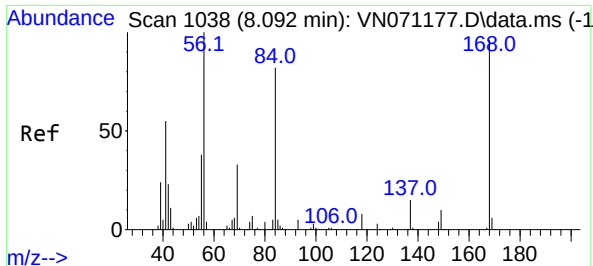


#25
2-Butanone
Concen: 0.266 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion: 43 Resp: 2261

Ion	Ratio	Lower	Upper
43	100		
72	28.7	21.7	32.5





#31

Cyclohexane

Concen: 1.022 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071306.D

Acq: 15 Mar 2022 20:53

Instrument :

MSVOA_N

ClientSampleId :

1335

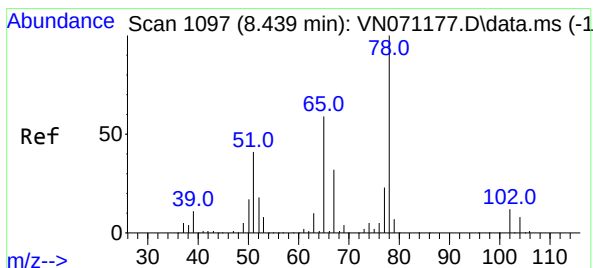
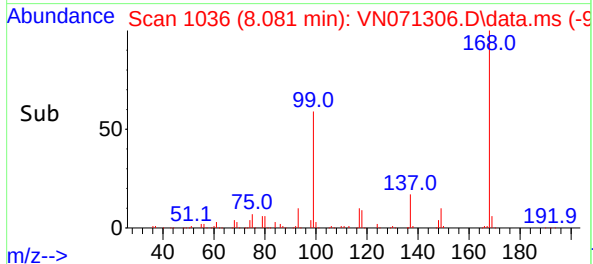
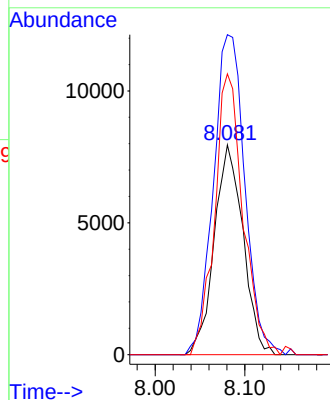
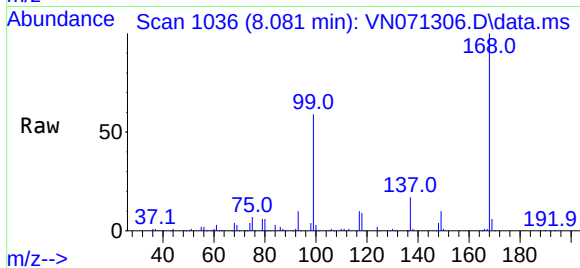
Tgt Ion: 56 Resp: 17722

Ion Ratio Lower Upper

56 100

69 152.5 27.1 40.7#

84 133.8 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.790 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071306.D

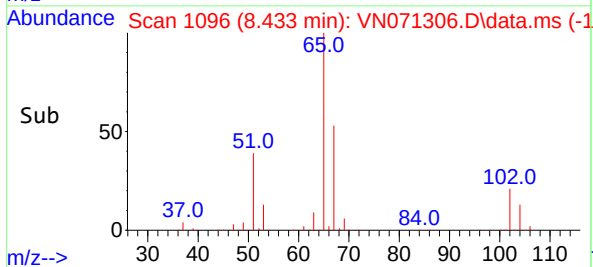
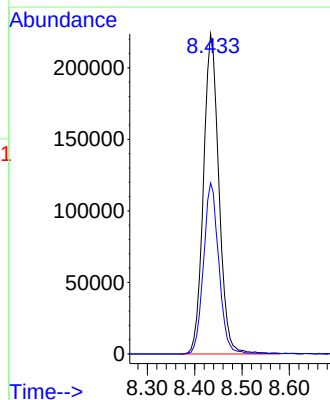
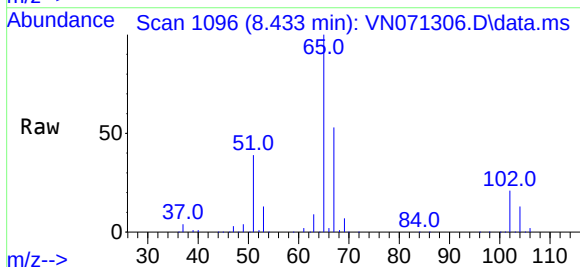
Acq: 15 Mar 2022 20:53

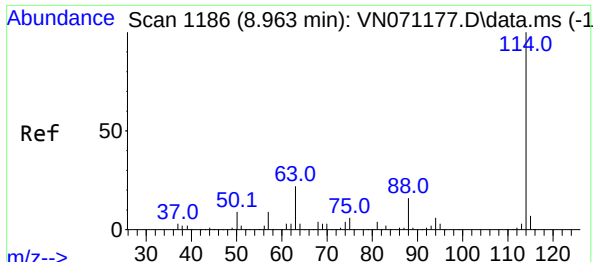
Tgt Ion: 65 Resp: 508231

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071306.D

Acq: 15 Mar 2022 20:53

Instrument :

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ClientSampleId :

1335

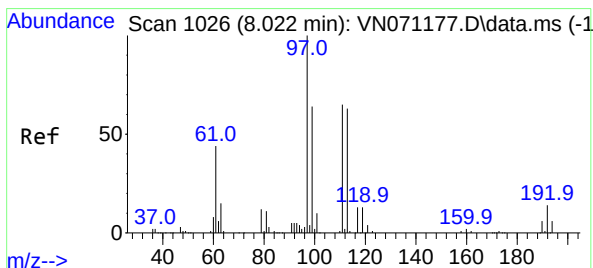
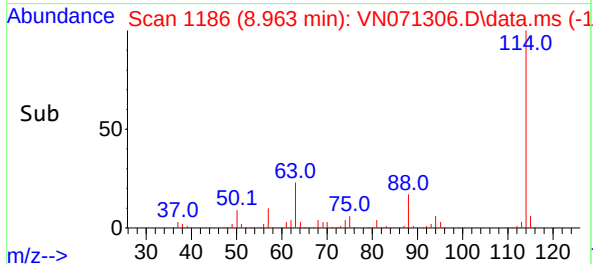
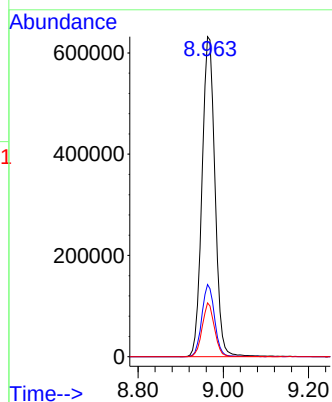
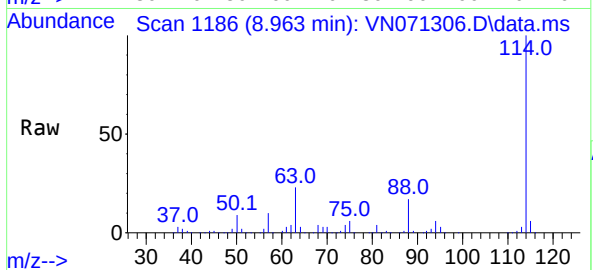
Tgt Ion:114 Resp: 1335397

Ion Ratio Lower Upper

114 100

63 22.5 0.0 37.8

88 16.8 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.292 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071306.D

Acq: 15 Mar 2022 20:53

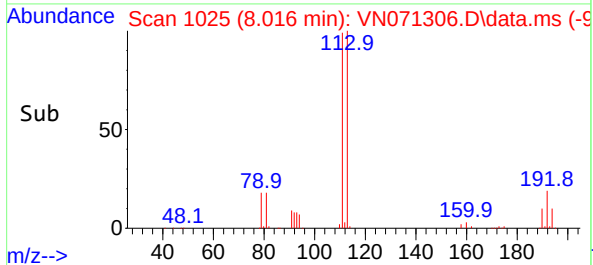
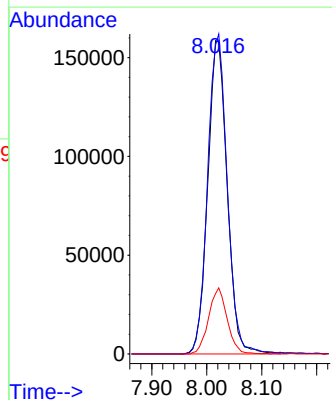
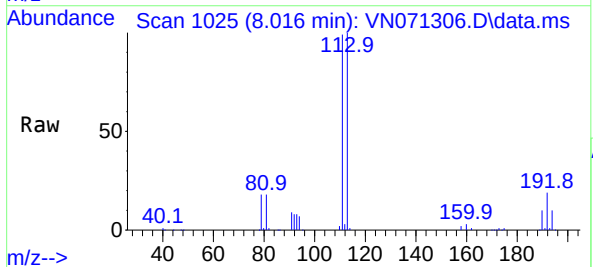
Tgt Ion:113 Resp: 390091

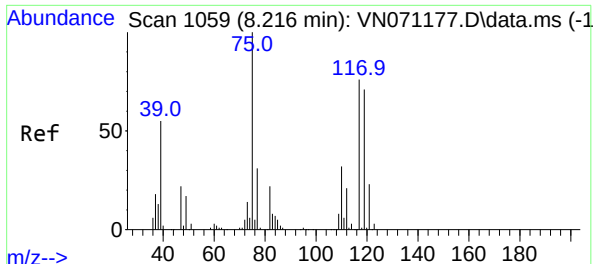
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 20.2 16.9 25.3

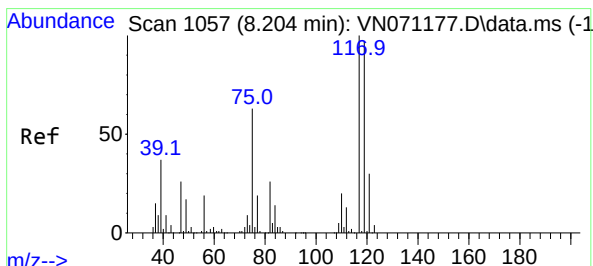
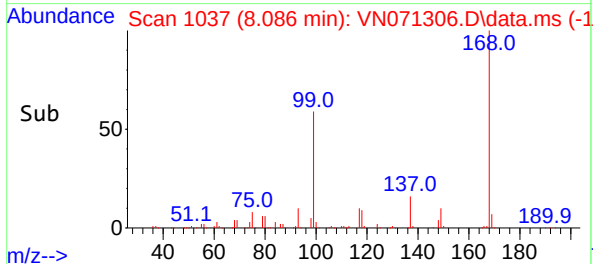
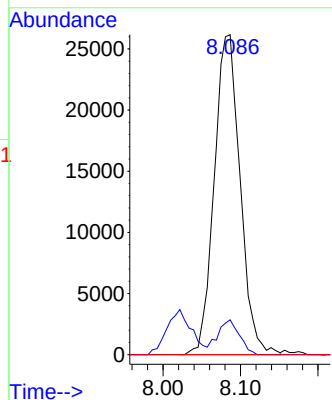
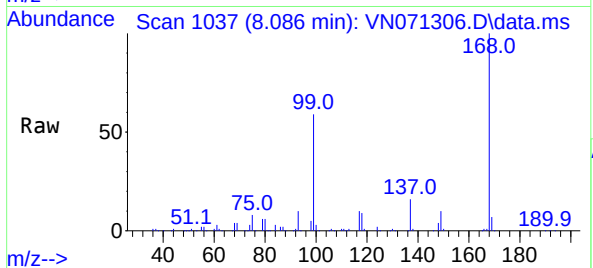




#36
1,1-Dichloropropene
Concen: 4.496 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

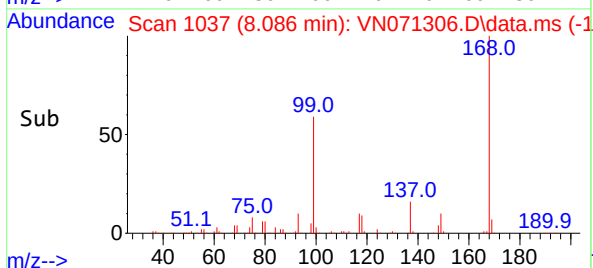
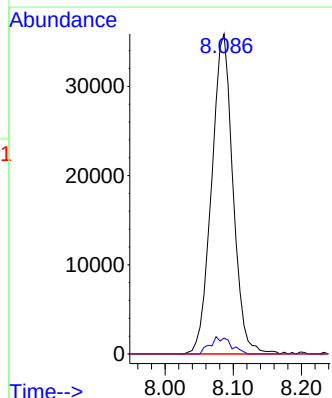
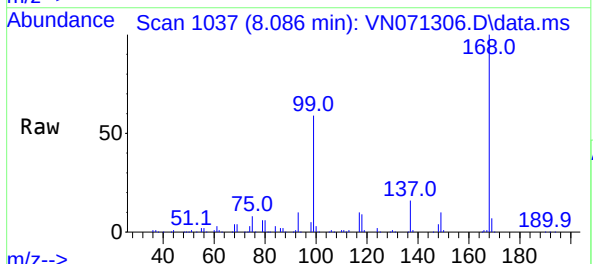
Instrument :
MSVOA_N
ClientSampleId :
1335

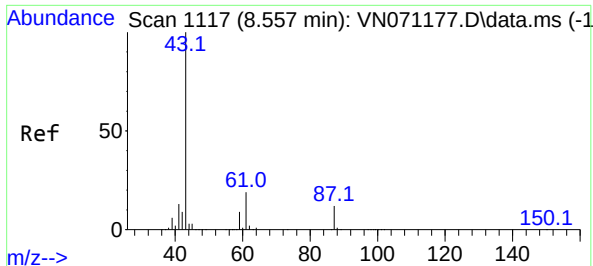
Tgt Ion: 75 Resp: 60704
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.983 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion: 117 Resp: 78139
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

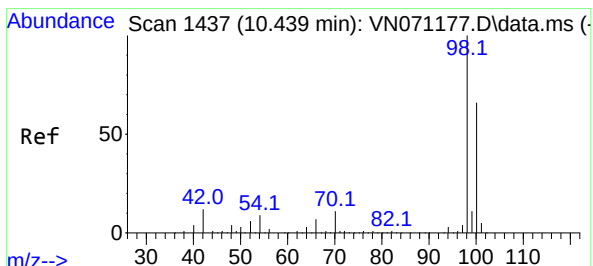
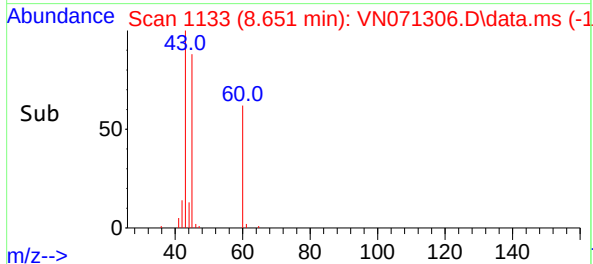
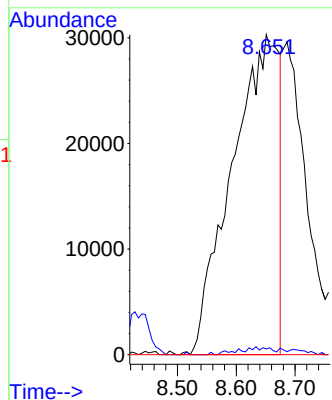
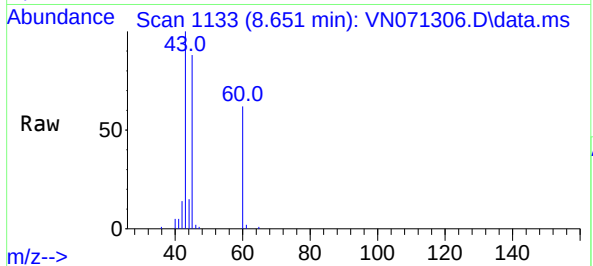




#43
Isopropyl Acetate
Concen: 6.044 ug/l
RT: 8.651 min Scan# 1117
Delta R.T. 0.094 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

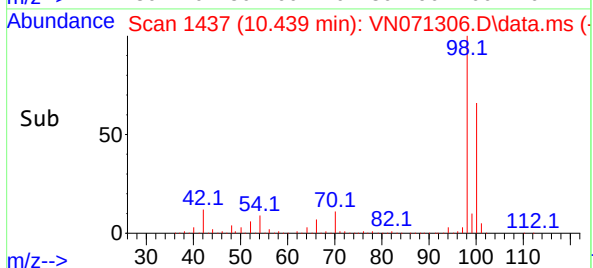
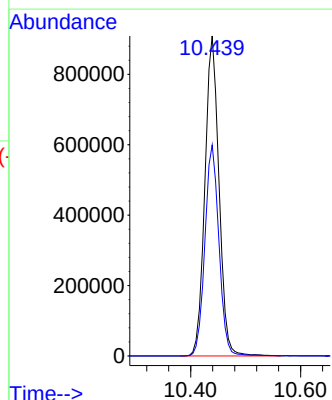
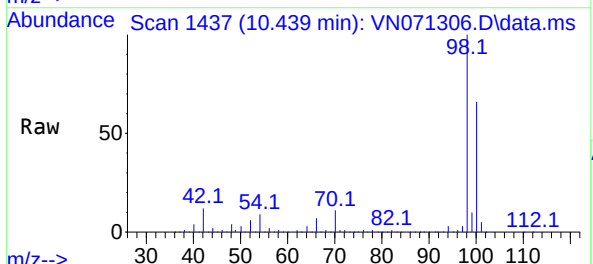
Instrument :
MSVOA_N
ClientSampleId :
1335

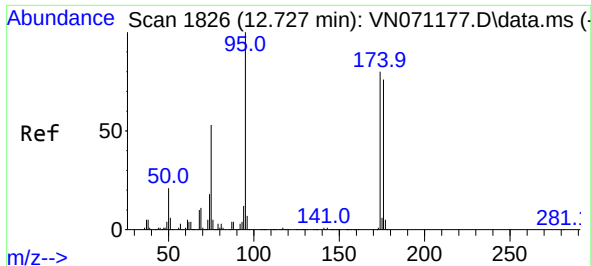
Tgt Ion: 43 Resp: 167943
Ion Ratio Lower Upper
43 100
61 0.3 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 47.665 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion: 98 Resp: 1617228
Ion Ratio Lower Upper
98 100
100 65.8 50.4 75.6

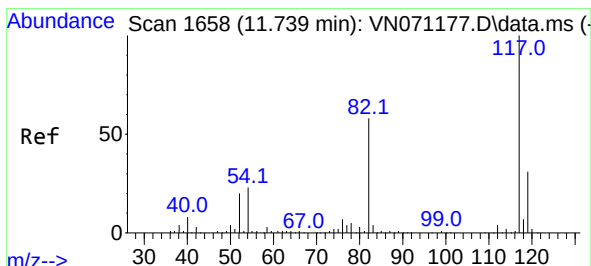
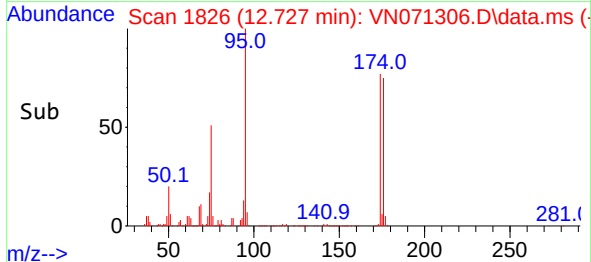
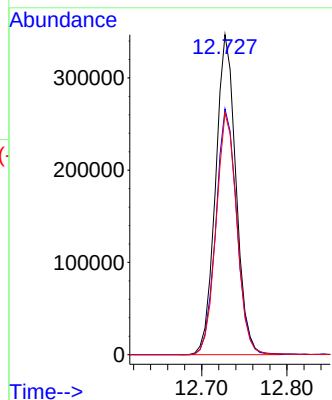
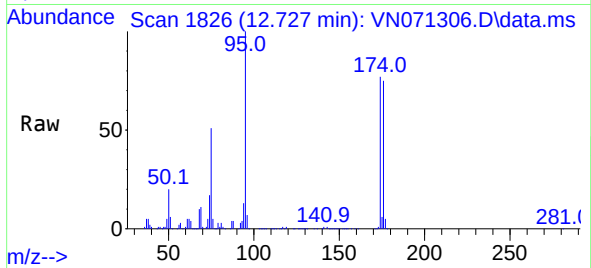




#62
4-Bromofluorobenzene
Concen: 50.251 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

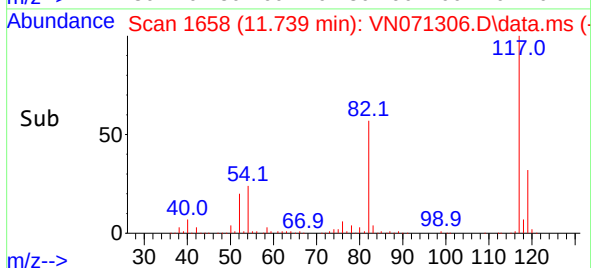
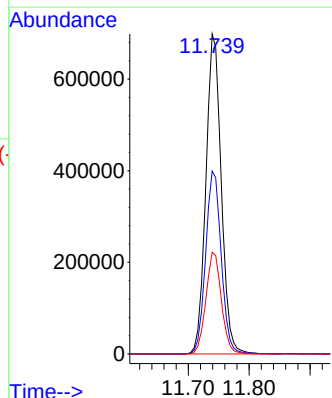
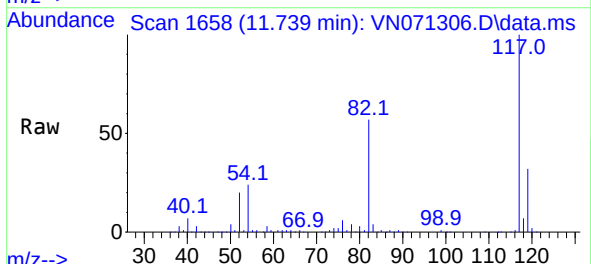
Instrument :
MSVOA_N
ClientSampleId :
1335

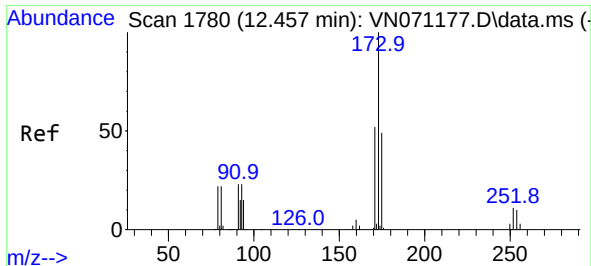
Tgt Ion: 95 Resp: 577341
Ion Ratio Lower Upper
95 100
174 78.8 0.0 187.2
176 76.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion: 117 Resp: 1227282
Ion Ratio Lower Upper
117 100
82 57.2 42.4 63.6
119 31.8 25.4 38.2

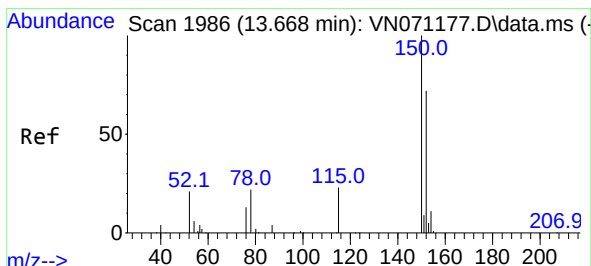
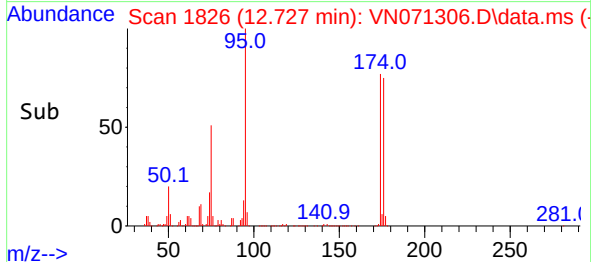
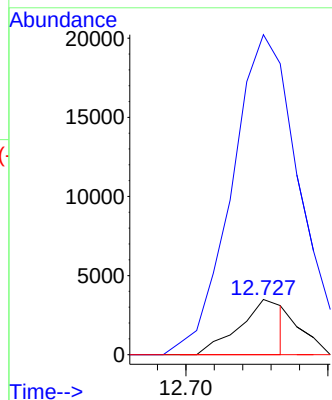
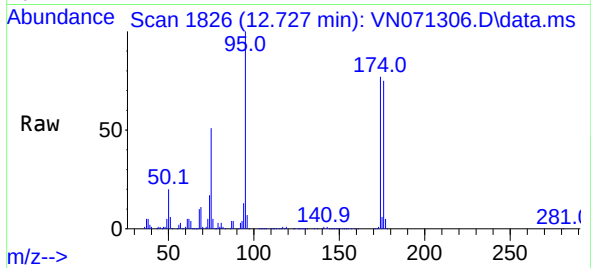




#71
Bromoform
Concen: 0.519 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

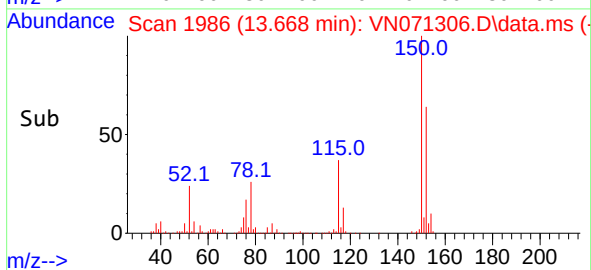
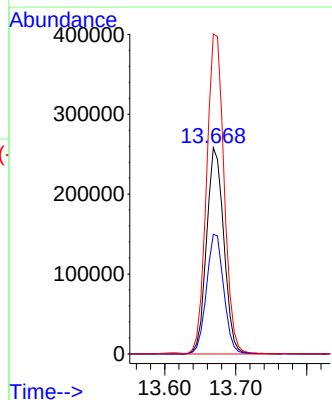
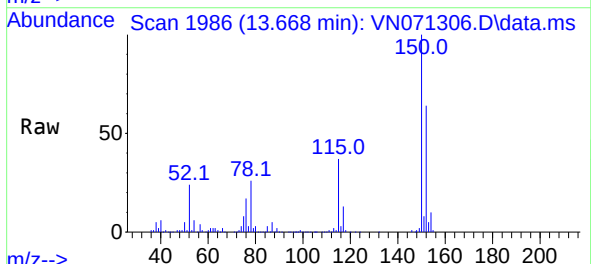
Instrument :
MSVOA_N
ClientSampleId :
1335

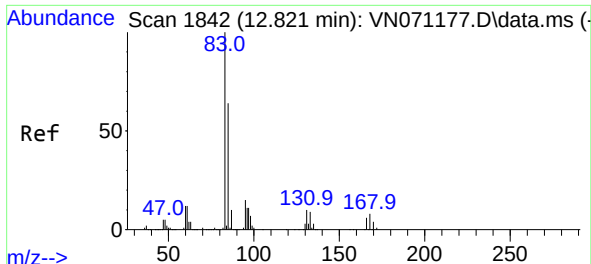
Tgt Ion:173 Resp: 3810
Ion Ratio Lower Upper
173 100
175 677.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion:152 Resp: 437362
Ion Ratio Lower Upper
152 100
115 58.2 27.5 82.5
150 157.1 0.0 344.4

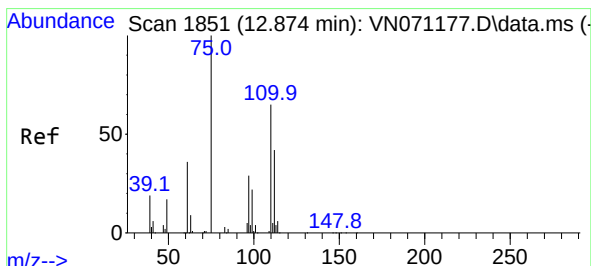
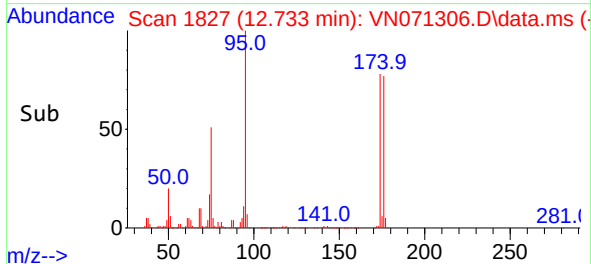
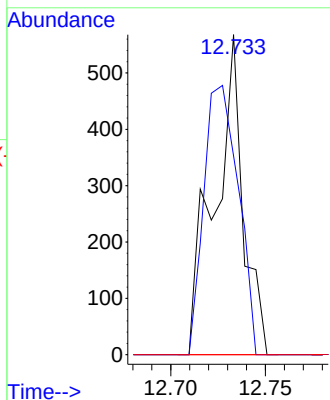
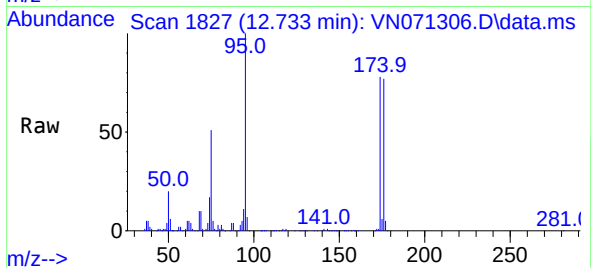




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1827
Delta R.T. -0.088 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

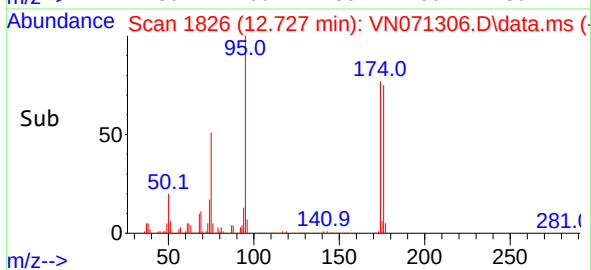
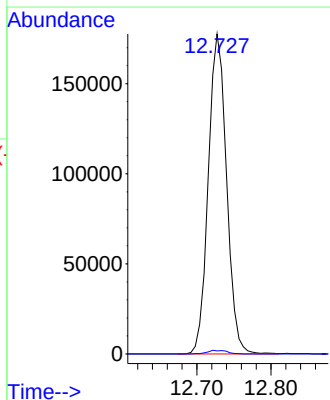
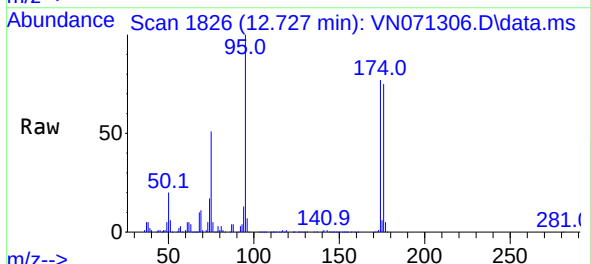
Instrument :
MSVOA_N
ClientSampleId :
1335

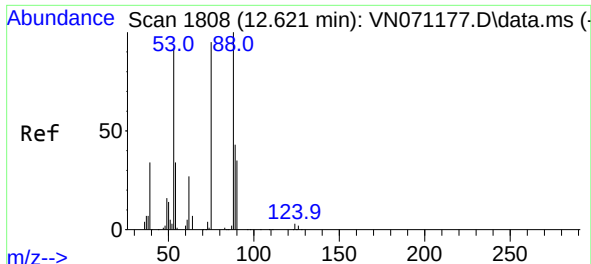
Tgt Ion: 83 Resp: 595
Ion Ratio Lower Upper
83 100
131 101.8 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.446 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion: 75 Resp: 304427
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

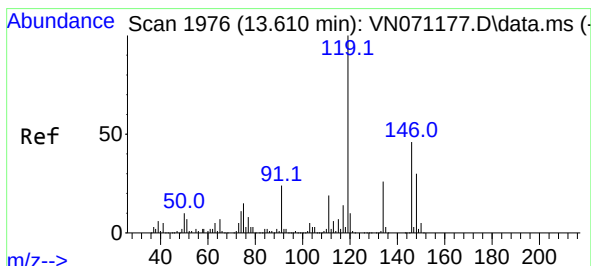
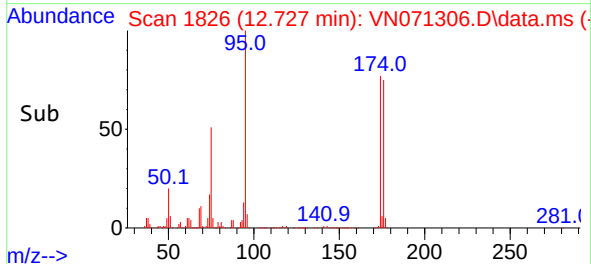
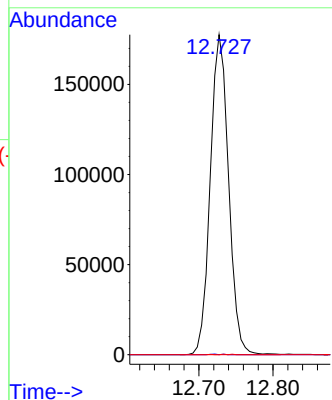
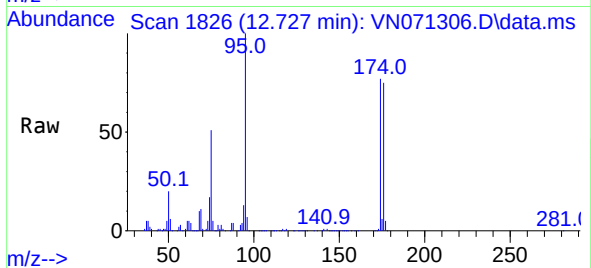




#81
trans-1,4-Dichloro-2-butene
Concen: 75.243 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

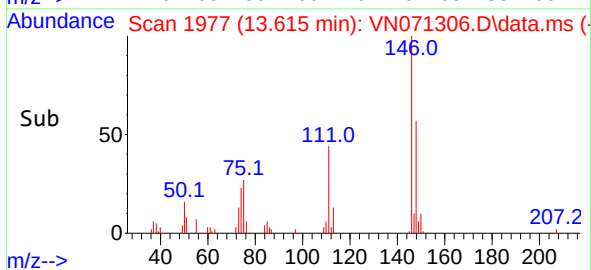
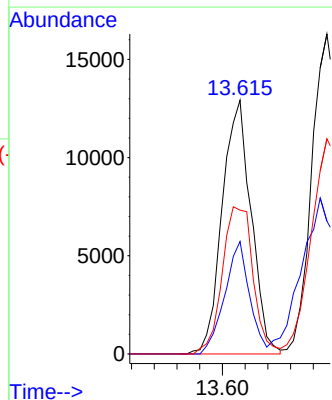
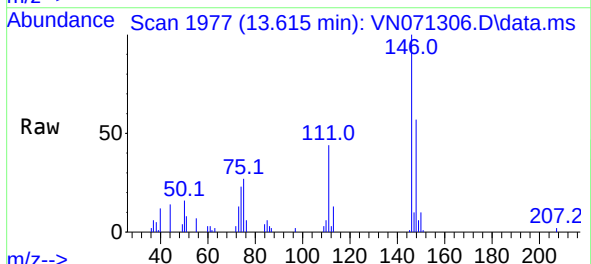
Instrument :
MSVOA_N
ClientSampleId :
1335

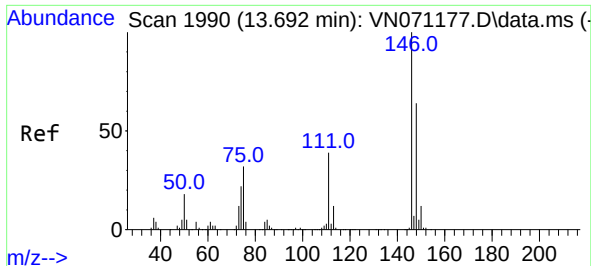
Tgt Ion: 75 Resp: 304427
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.1 38.2 57.4#



#87
1,3-Dichlorobenzene
Concen: 1.433 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion:146 Resp: 22886
Ion Ratio Lower Upper
146 100
111 38.0 18.6 55.6
148 61.8 31.6 95.0

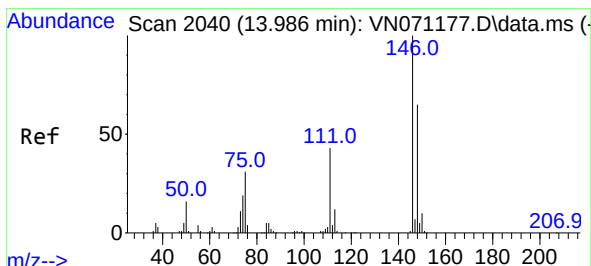
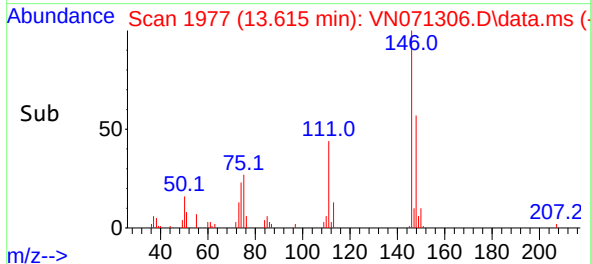
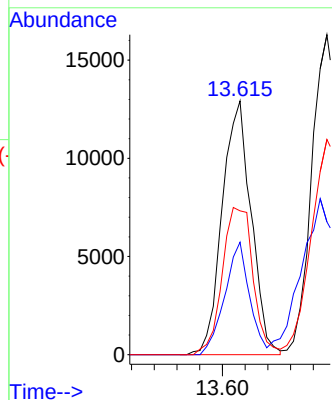
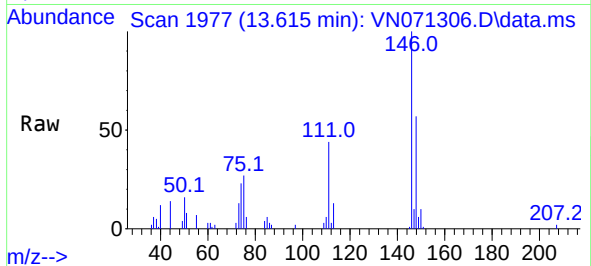




#88
1,4-Dichlorobenzene
Concen: 1.466 ug/l
RT: 13.615 min Scan# 1990
Delta R.T. -0.076 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

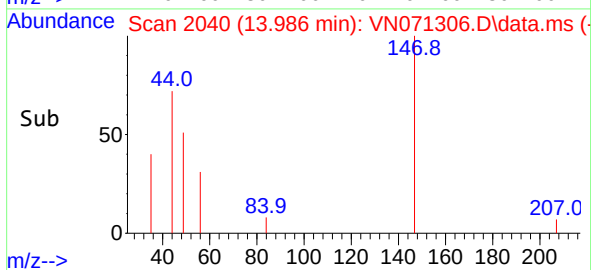
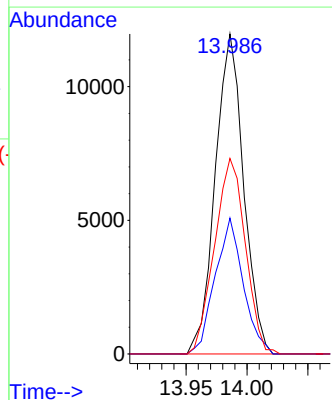
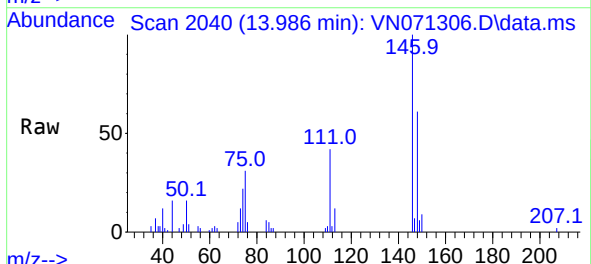
Instrument :
MSVOA_N
ClientSampleId :
1335

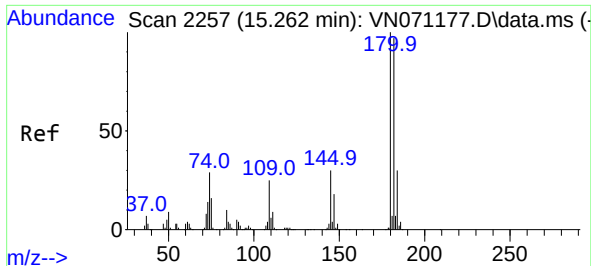
Tgt Ion:146 Resp: 22886
Ion Ratio Lower Upper
146 100
111 38.0 18.3 54.8
148 61.8 31.8 95.4



#91
1,2-Dichlorobenzene
Concen: 1.265 ug/l
RT: 13.986 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion:146 Resp: 19427
Ion Ratio Lower Upper
146 100
111 42.1 19.1 57.3
148 66.3 32.1 96.3

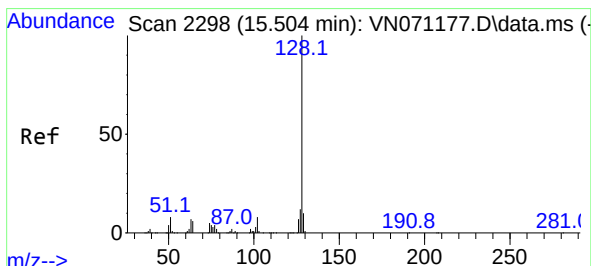
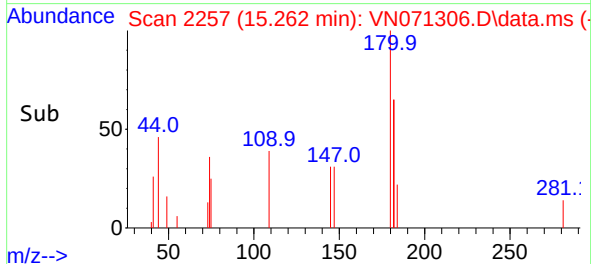
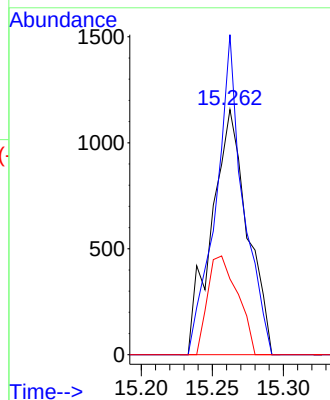
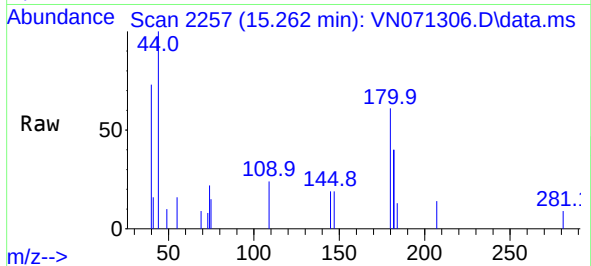




#93
1,2,4-Trichlorobenzene
Concen: 3.255 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

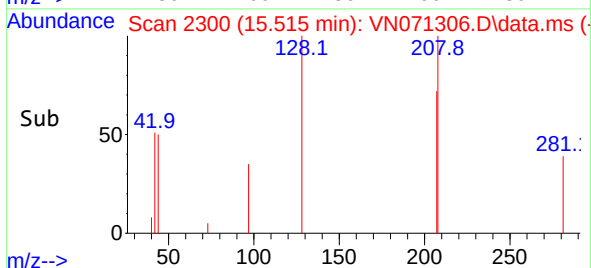
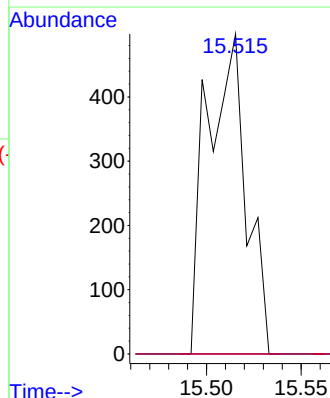
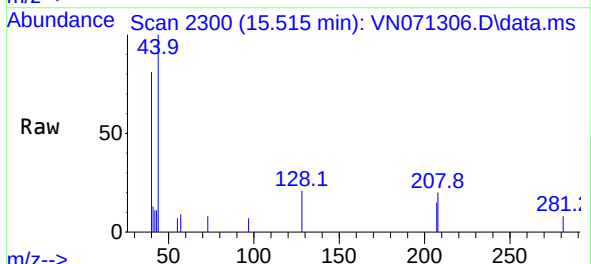
Instrument :
MSVOA_N
ClientSampleId :
1335

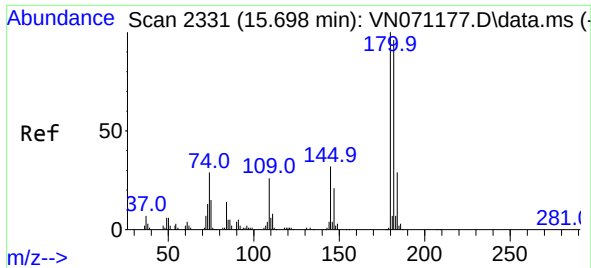
Tgt Ion:	180	Resp:	2026
Ion	Ratio	Lower	Upper
180	100		
182	100.3	48.3	144.9
145	33.9	14.5	43.5



#95
Naphthalene
Concen: 5.100 ug/l
RT: 15.515 min Scan# 2300
Delta R.T. 0.011 min
Lab File: VN071306.D
Acq: 15 Mar 2022 20:53

Tgt Ion:	128	Resp:	714
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.771 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071306.D
 Acq: 15 Mar 2022 20:53

Instrument :
 MSVOA_N
 ClientSampleId :
 1335

Tgt Ion:180 Resp: 283
 Ion Ratio Lower Upper
 180 100
 182 98.2 47.4 142.2
 145 19.1 15.0 45.1

