

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021822\
 Data File : VN070998.D
 Acq On : 18 Feb 2022 11:39
 Operator : JC\MD
 Sample : VN0218MBL01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218MBL01

Quant Time: Feb 19 00:37:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

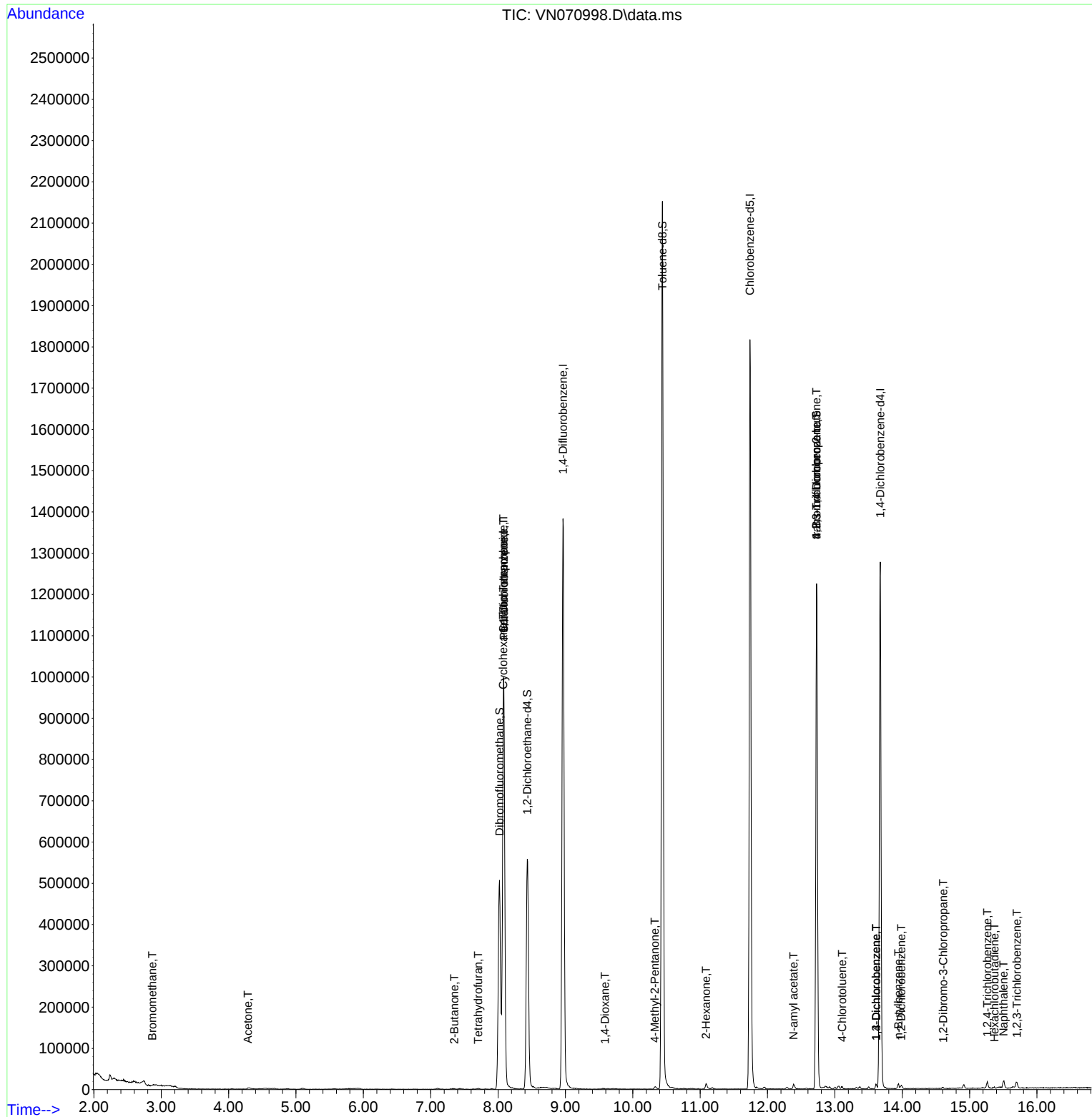
Internal Standards						
1) Pentafluorobenzene	8.086	168	789893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1252816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1107091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	366275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	474858	52.627	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.260%			
35) Dibromofluoromethane	8.022	113	381317	51.171	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.340%			
50) Toluene-d8	10.439	98	1506592	50.345	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.727	95	434573	40.627	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 81.260%			
Target Compounds						Qvalue
5) Bromomethane	2.869	94	1602	0.273	ug/l #	80
16) Acetone	4.287	43	2494	0.502	ug/l	91
18) Methyl Acetate	4.869	43	2981	Below Cal	#	60
25) 2-Butanone	7.351	43	2437	0.369	ug/l #	87
29) Tetrahydrofuran	7.704	42	1787	0.417	ug/l #	57
31) Cyclohexane	8.075	56	14898	0.955	ug/l #	20
36) 1,1-Dichloropropene	8.080	75	57914	4.744	ug/l #	49
38) Carbon Tetrachloride	8.080	117	76966	6.398	ug/l #	17
49) 1,4-Dioxane	9.586	88	208	1.199	ug/l #	83
51) 4-Methyl-2-Pentanone	10.327	43	5824	0.464	ug/l	94
59) 2-Hexanone	11.086	43	11726	1.358	ug/l	92
74) N-amyl acetate	12.386	43	6878	0.730	ug/l	96
76) 1,2,3-Trichloropropane	12.727	75	217575	25.229	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	217575	81.754	ug/l #	5
82) 4-Chlorotoluene	13.110	91	4236	0.217	ug/l	99
87) 1,3-Dichlorobenzene	13.615	146	3227	0.253	ug/l	98
88) 1,4-Dichlorobenzene	13.615	146	3227	0.258	ug/l	98
89) n-Butylbenzene	13.945	91	7811	0.391	ug/l	99
91) 1,2-Dichlorobenzene	13.986	146	3844	0.320	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.609	75	715	0.471	ug/l	90
93) 1,2,4-Trichlorobenzene	15.262	180	6377	2.907	ug/l	86
94) Hexachlorobutadiene	15.368	225	947	0.216	ug/l	72
95) Naphthalene	15.504	128	18593	6.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.704	180	7110	3.602	ug/l	96

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

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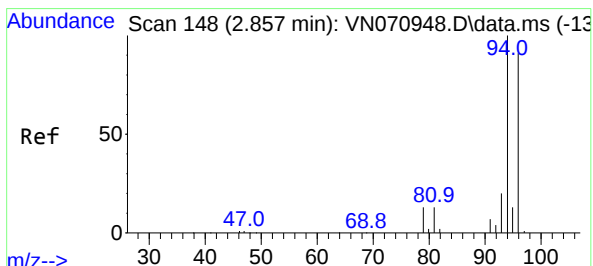
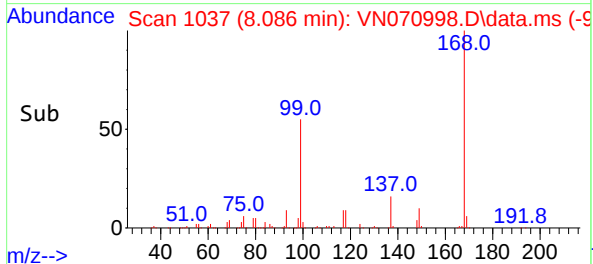
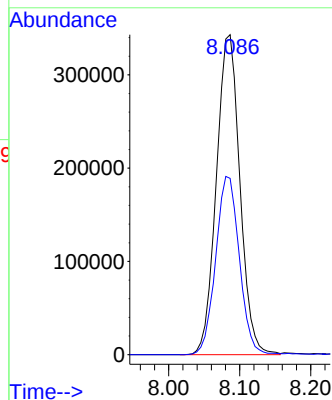
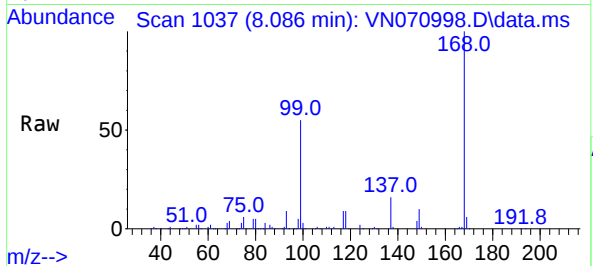




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

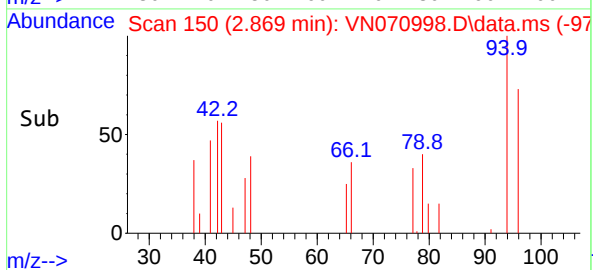
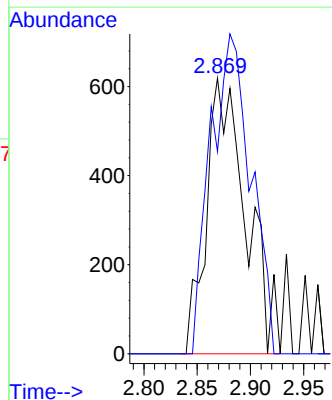
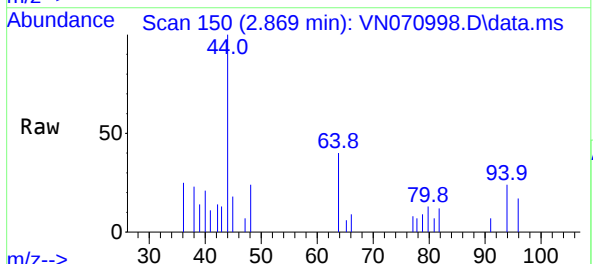
Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

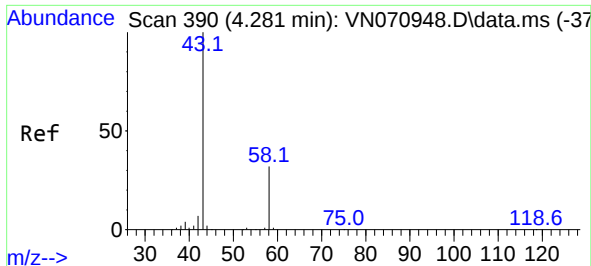
Tgt Ion:168 Resp: 789893
Ion Ratio Lower Upper
168 100
99 55.1 41.3 61.9



#5
Bromomethane
Concen: 0.273 ug/l
RT: 2.869 min Scan# 150
Delta R.T. 0.012 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 94 Resp: 1602
Ion Ratio Lower Upper
94 100
96 73.3 73.8 110.8#

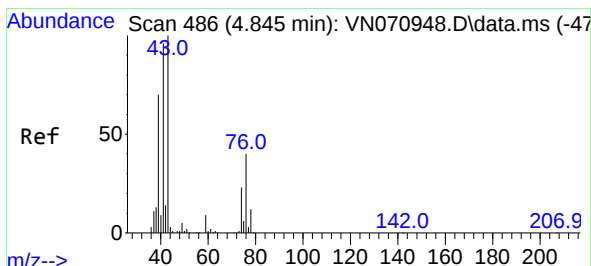
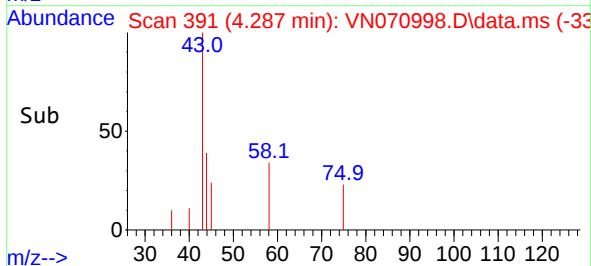
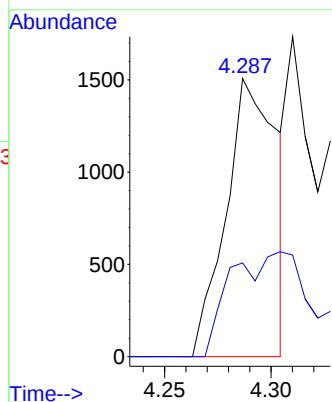
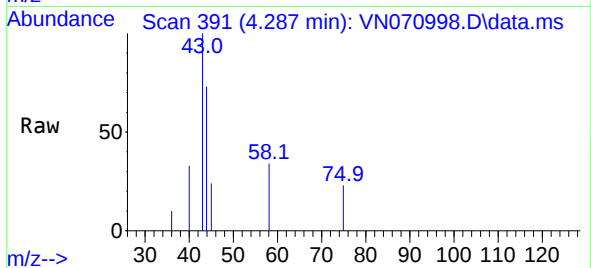




#16
Acetone
Concen: 0.502 ug/l
RT: 4.287 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

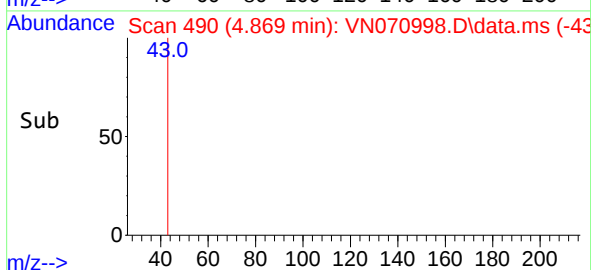
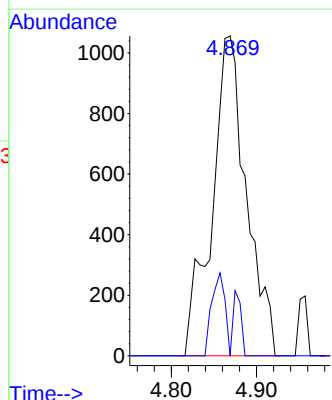
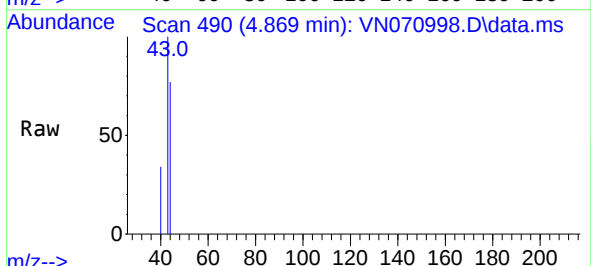
Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

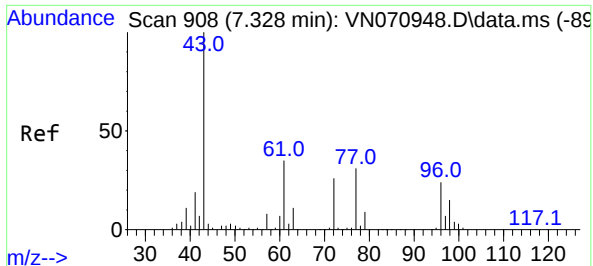
Tgt Ion: 43 Resp: 2494
Ion Ratio Lower Upper
43 100
58 33.7 23.1 34.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.024 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
74 4.6 19.4 29.2#





#25

2-Butanone

Concen: 0.369 ug/l

RT: 7.351 min Scan# 912

Delta R.T. 0.023 min

Lab File: VN070998.D

Acq: 18 Feb 2022 11:39

Instrument :

MSVOA_N

ClientSampleId :

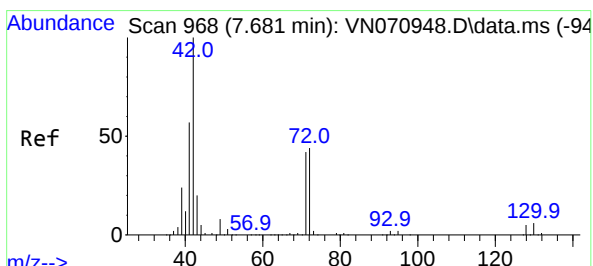
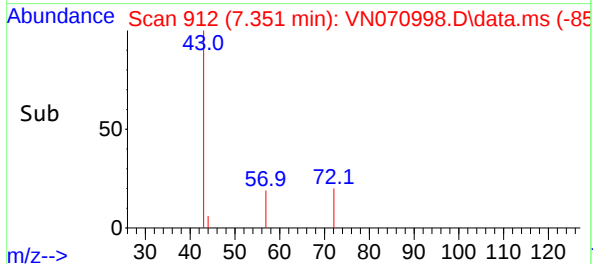
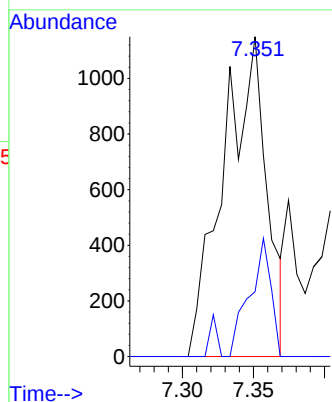
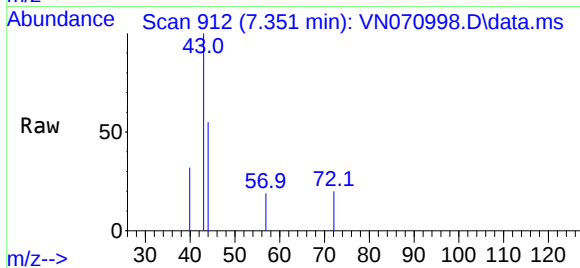
VN0218MBL01

Tgt Ion: 43 Resp: 2437

Ion Ratio Lower Upper

43 100

72 20.3 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.417 ug/l

RT: 7.704 min Scan# 972

Delta R.T. 0.023 min

Lab File: VN070998.D

Acq: 18 Feb 2022 11:39

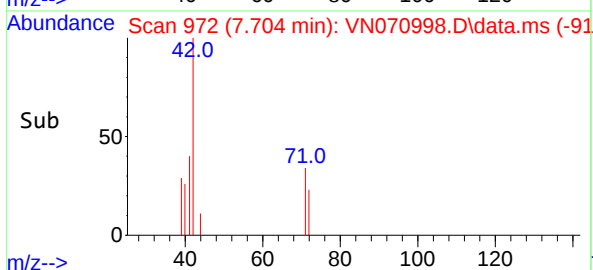
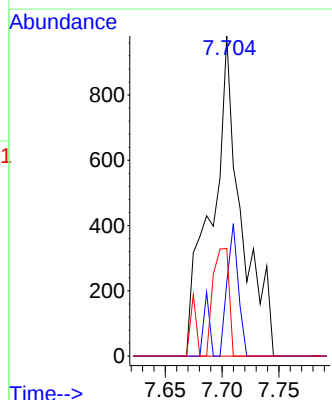
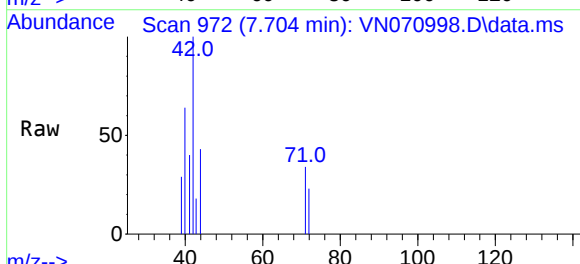
Tgt Ion: 42 Resp: 1787

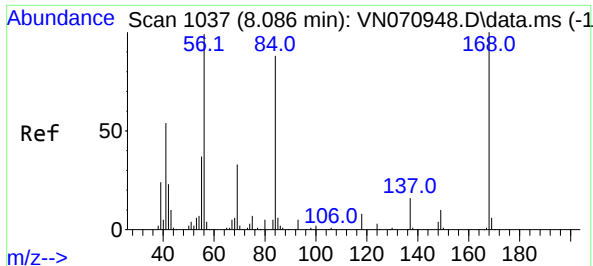
Ion Ratio Lower Upper

42 100

72 15.5 36.3 54.5#

71 18.0 34.7 52.1#

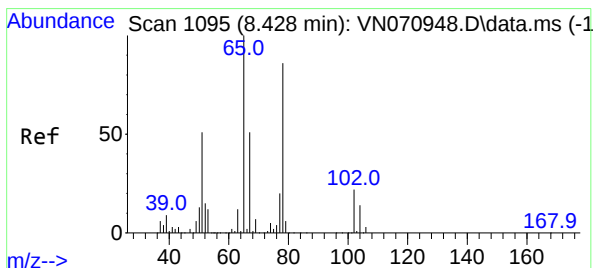
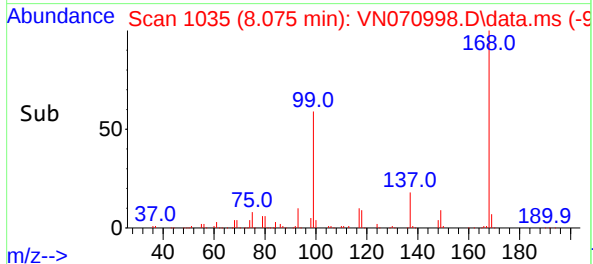
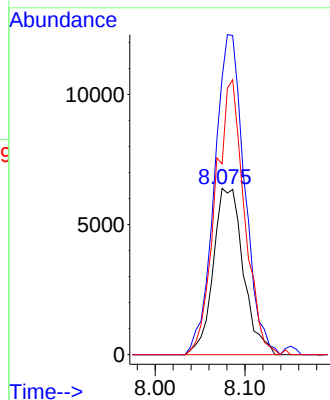
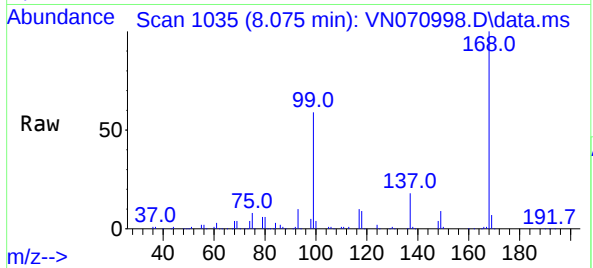




#31
Cyclohexane
Concen: 0.955 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.012 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

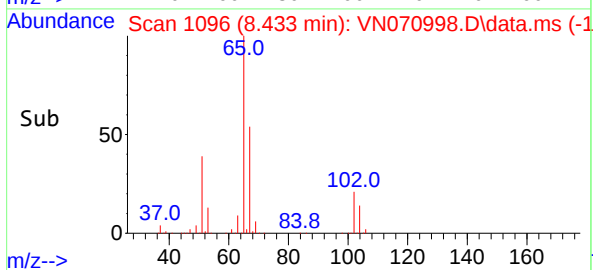
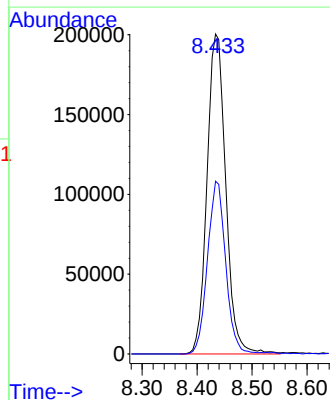
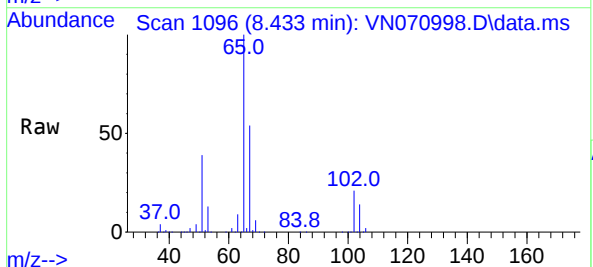
Instrument :
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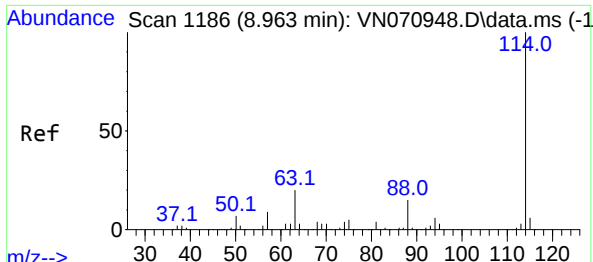
Tgt Ion: 56 Resp: 14898
Ion Ratio Lower Upper
56 100
69 166.7 27.1 40.7#
84 114.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.627 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 65 Resp: 474858
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0

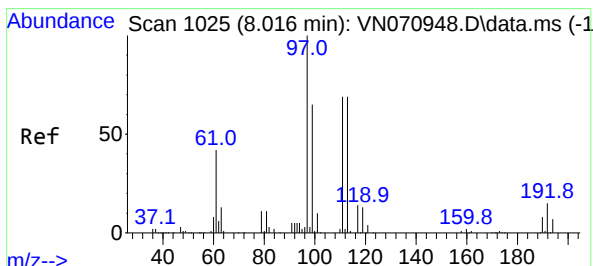
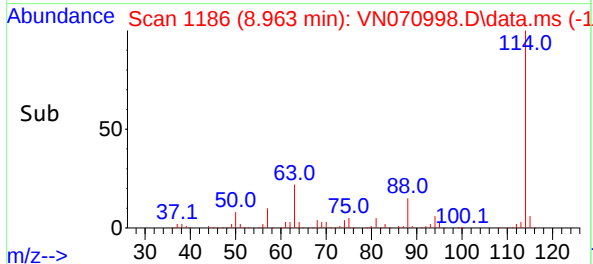
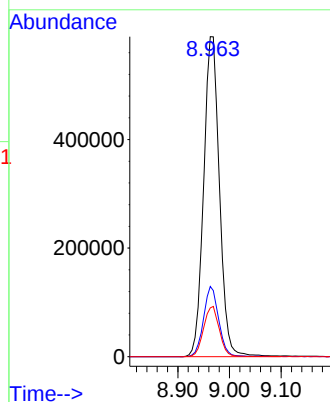
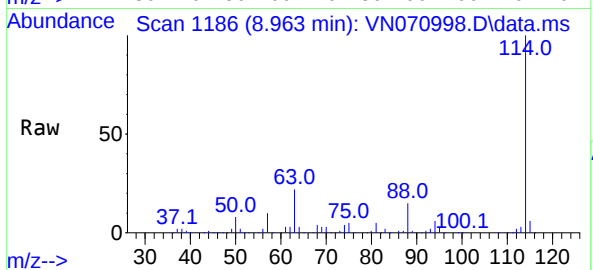




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

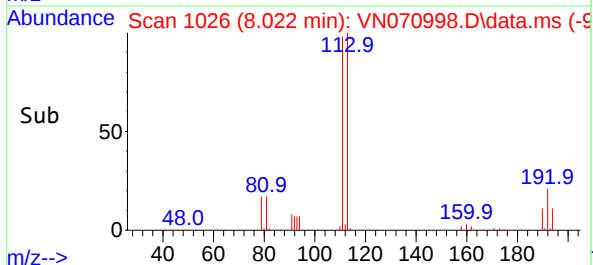
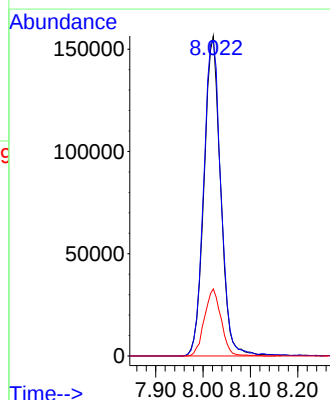
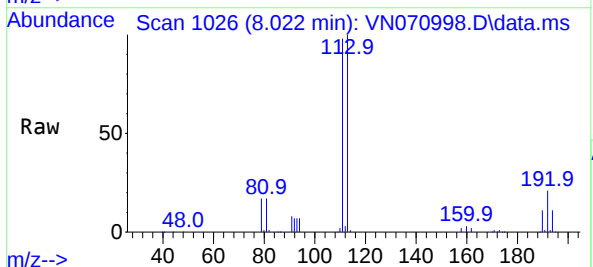
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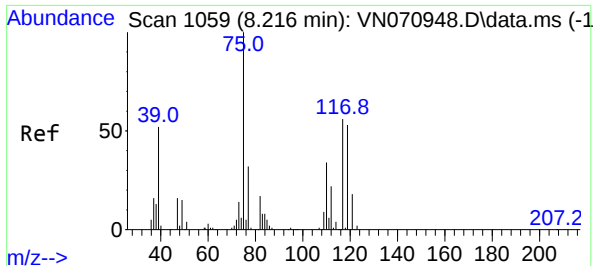
Tgt Ion:114 Resp: 1252816
Ion Ratio Lower Upper
114 100
63 22.0 0.0 37.8
88 15.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 51.171 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion:113 Resp: 381317
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 21.1 16.9 25.3

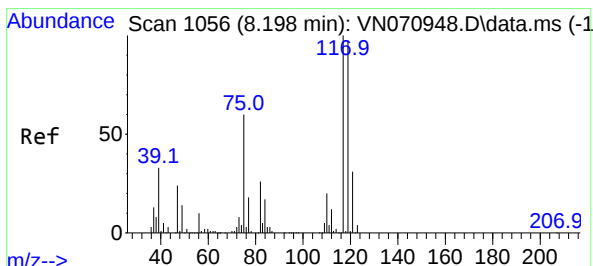
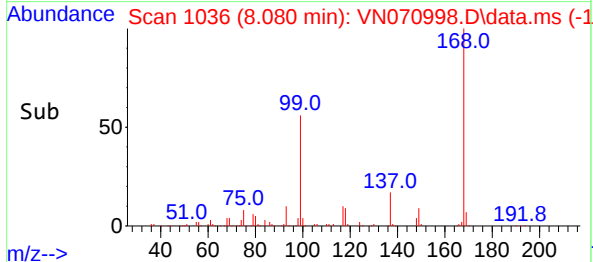
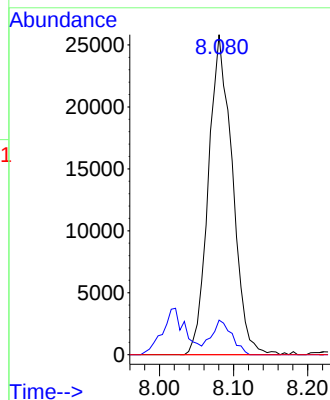
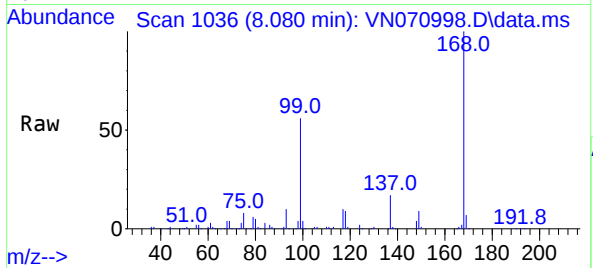




#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

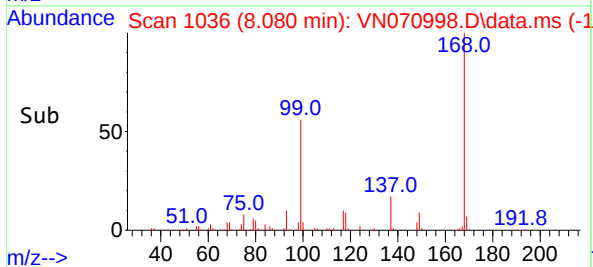
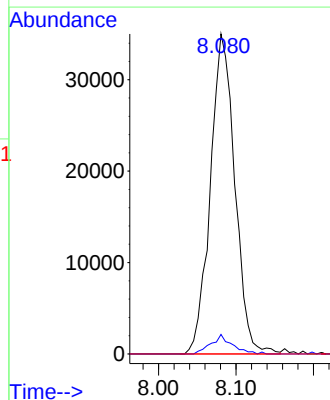
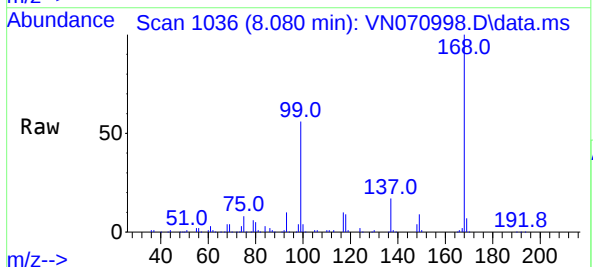
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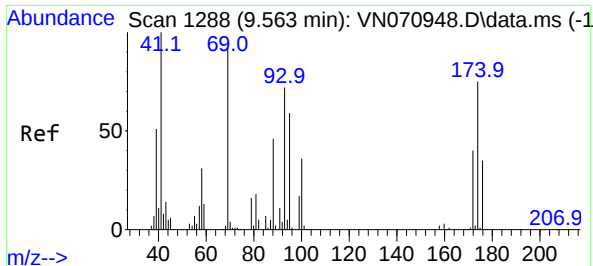
Tgt Ion: 75 Resp: 57914
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.398 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 117 Resp: 76966
Ion Ratio Lower Upper
117 100
119 6.1 76.1 114.1#
121 0.0 24.2 36.2#

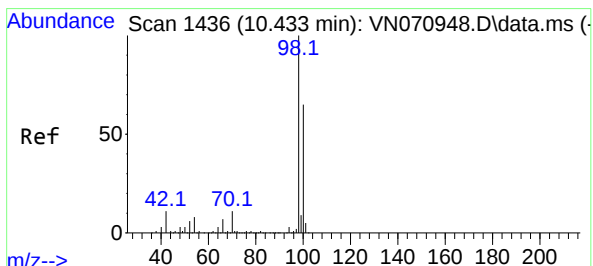
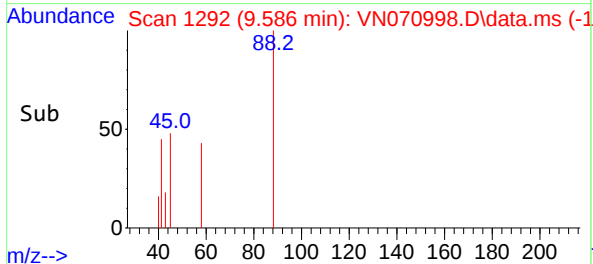
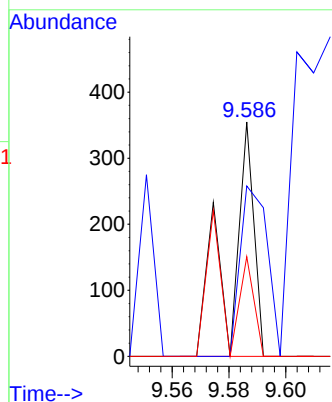
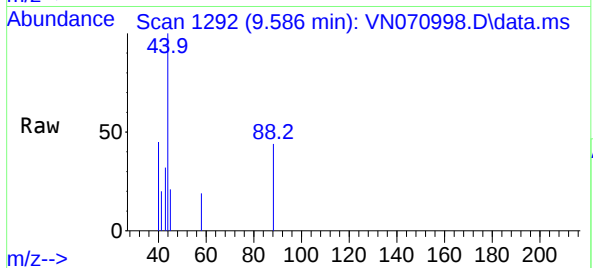




#49
1,4-Dioxane
Concen: 1.199 ug/l
RT: 9.586 min Scan# 1292
Delta R.T. 0.023 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

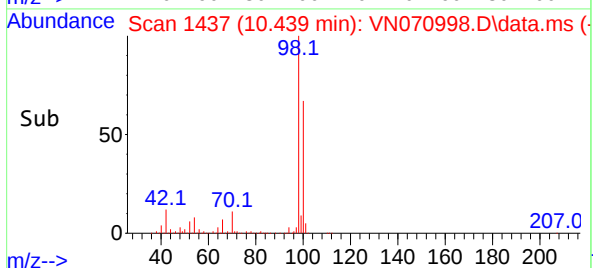
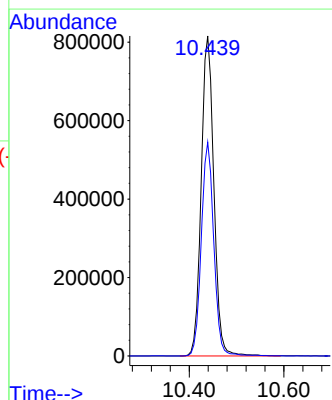
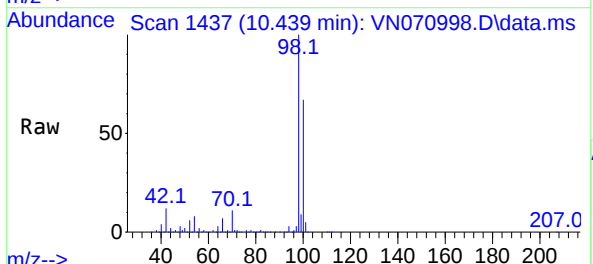
Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

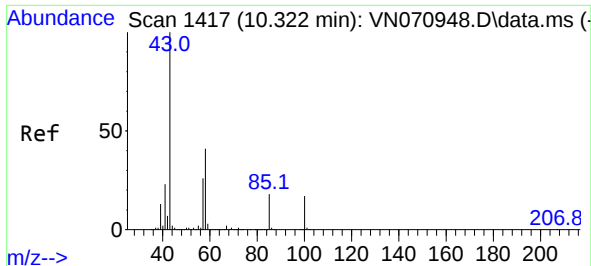
Tgt Ion: 88 Resp: 208
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 63.0 50.6 75.8



#50
Toluene-d8
Concen: 50.345 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 98 Resp: 1506592
Ion Ratio Lower Upper
98 100
100 66.1 50.4 75.6

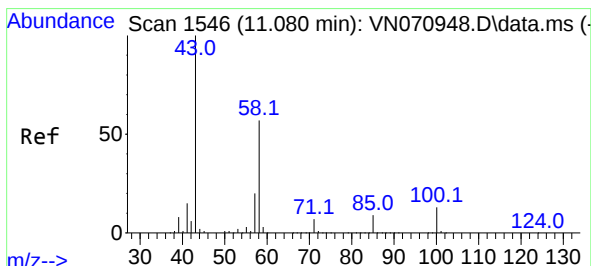
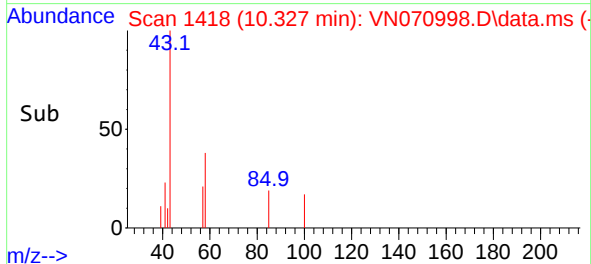
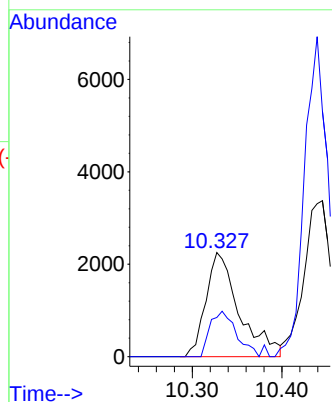
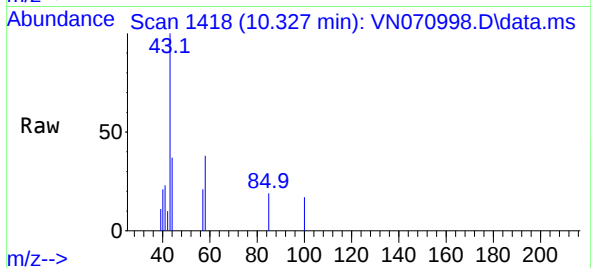




#51
4-Methyl-2-Pentanone
Concen: 0.464 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

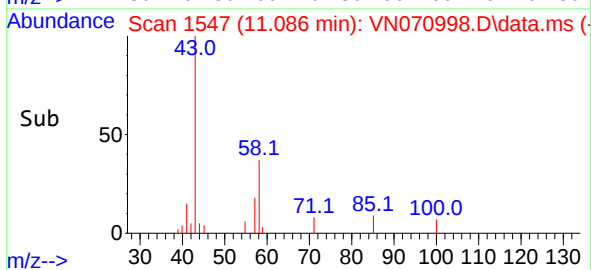
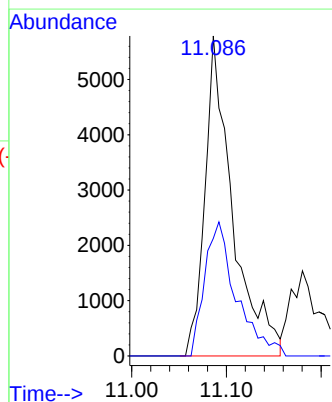
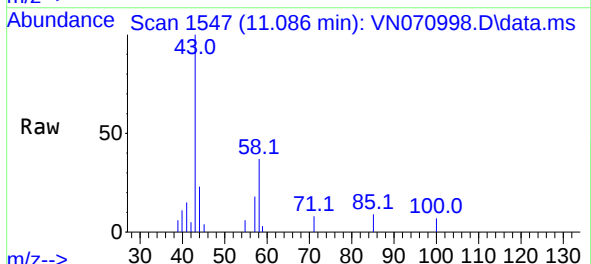
Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

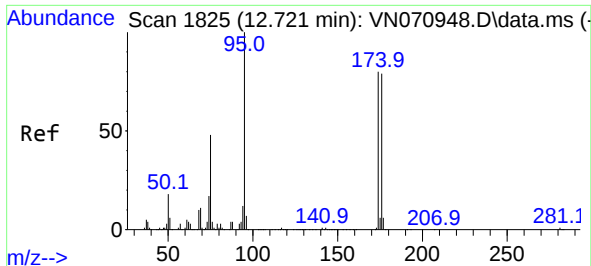
Tgt Ion: 43 Resp: 5824
Ion Ratio Lower Upper
43 100
58 34.3 30.4 45.6



#59
2-Hexanone
Concen: 1.358 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 43 Resp: 11726
Ion Ratio Lower Upper
43 100
58 48.0 26.9 80.7

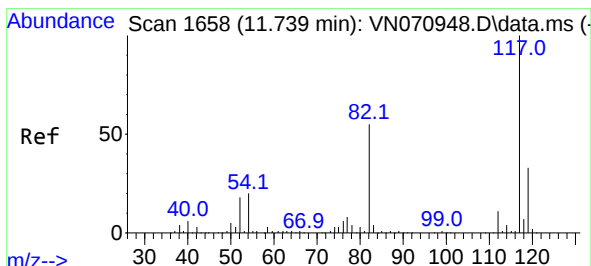
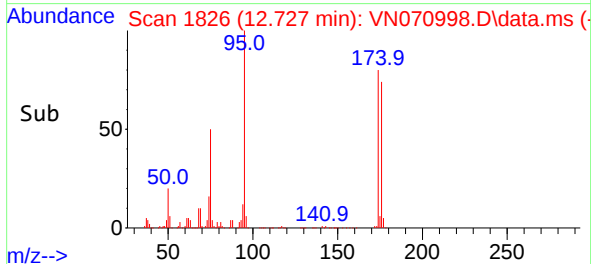
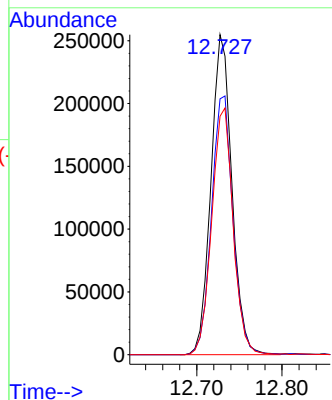
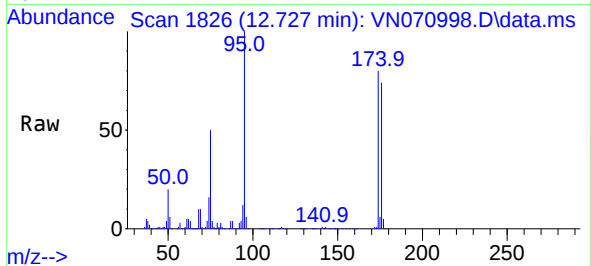




#62
4-Bromofluorobenzene
Concen: 40.627 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

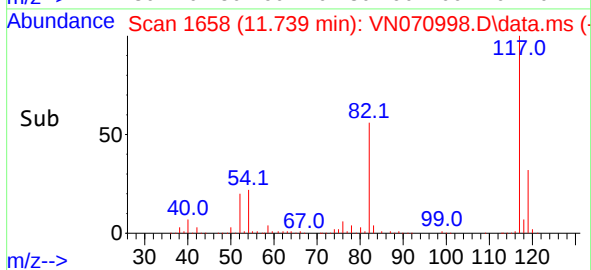
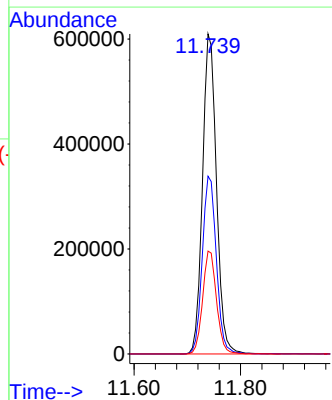
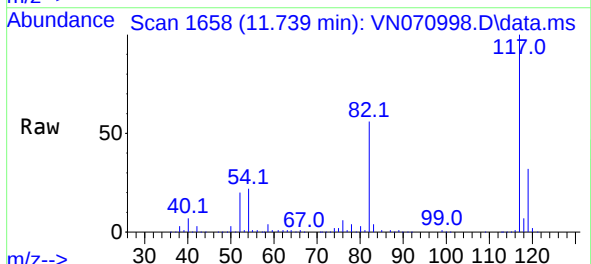
Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

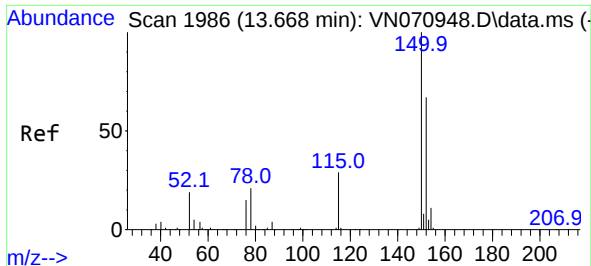
Tgt Ion: 95 Resp: 434573
Ion Ratio Lower Upper
95 100
174 82.9 0.0 187.2
176 78.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 117 Resp: 1107091
Ion Ratio Lower Upper
117 100
82 55.6 42.4 63.6
119 32.2 25.4 38.2

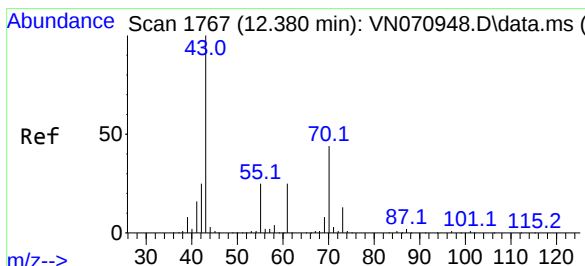
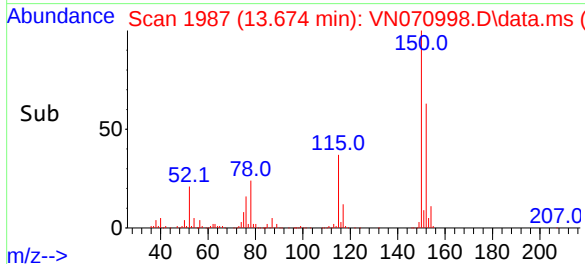
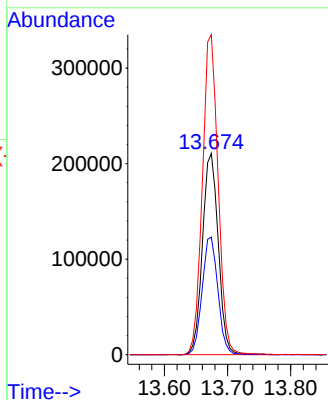
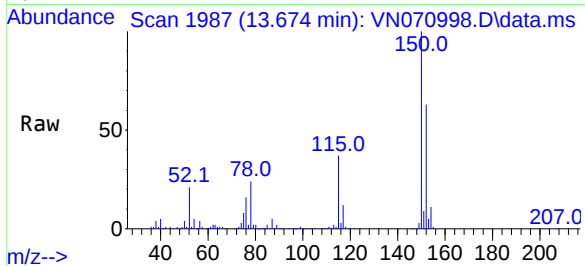




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

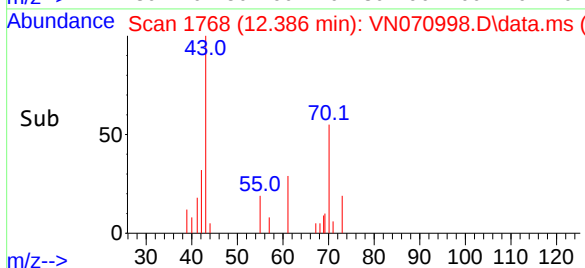
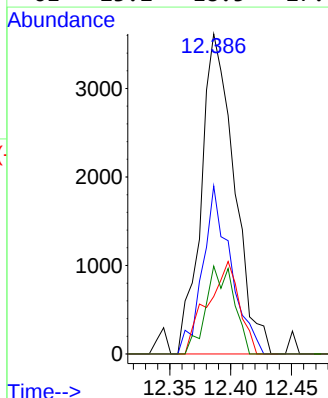
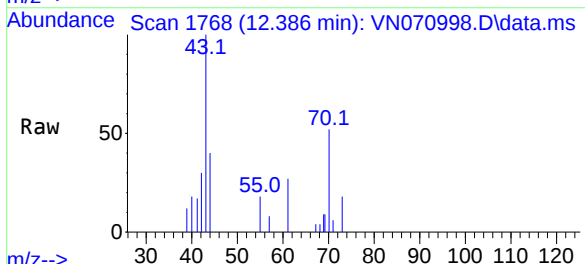
Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

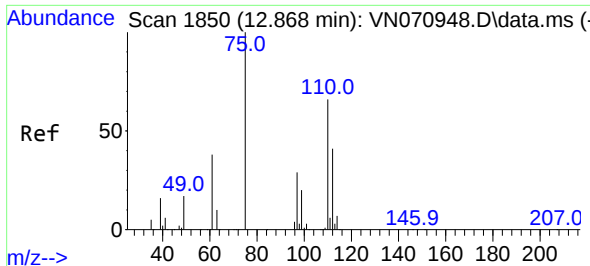
Tgt Ion:152 Resp: 366275
Ion Ratio Lower Upper
152 100
115 58.3 27.5 82.5
150 158.4 0.0 344.4



#74
N-amy1 acetate
Concen: 0.730 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 43 Resp: 6878
Ion Ratio Lower Upper
43 100
70 44.4 33.4 50.0
55 27.6 19.3 28.9
61 23.2 18.5 27.7

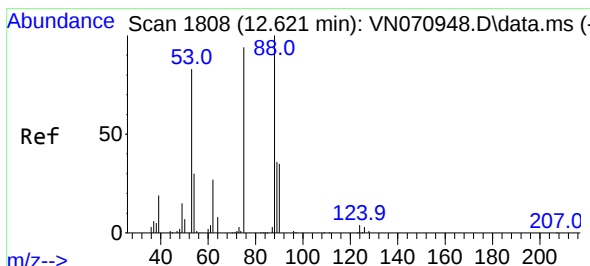
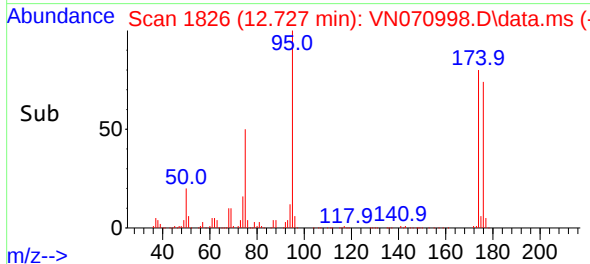
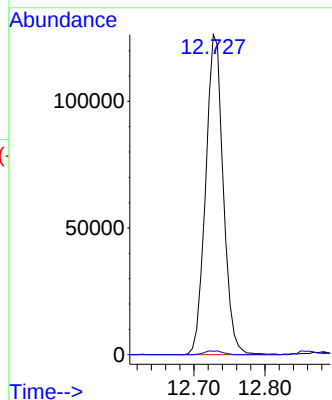
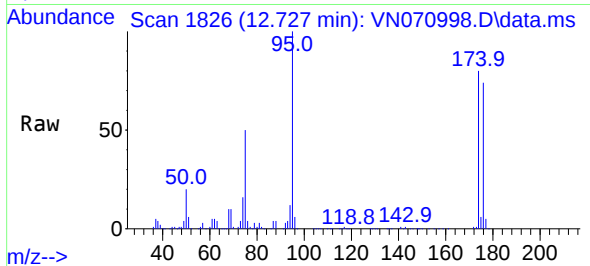




#76
1,2,3-Trichloropropane
Concen: 25.229 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

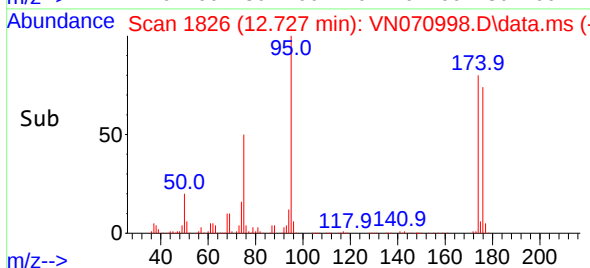
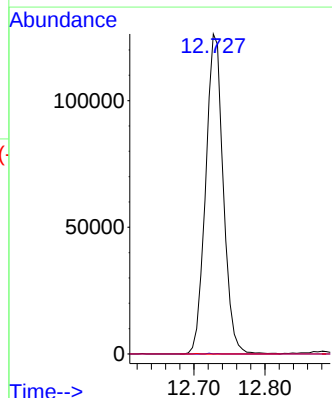
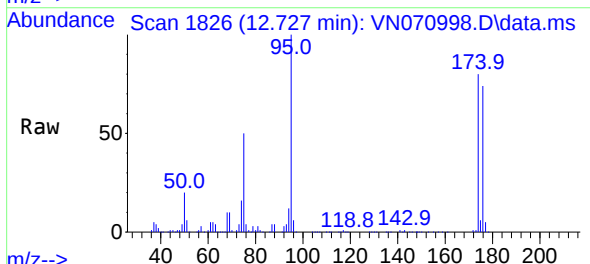
Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

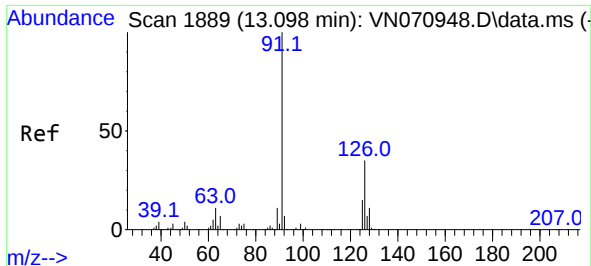
Tgt Ion: 75 Resp: 217575
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.754 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 75 Resp: 217575
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

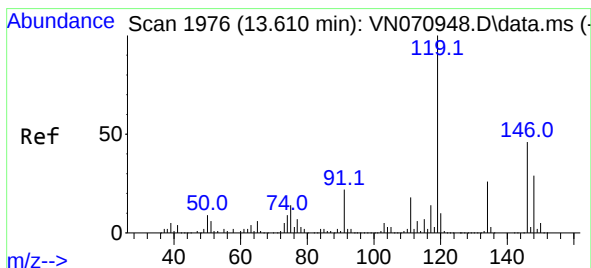
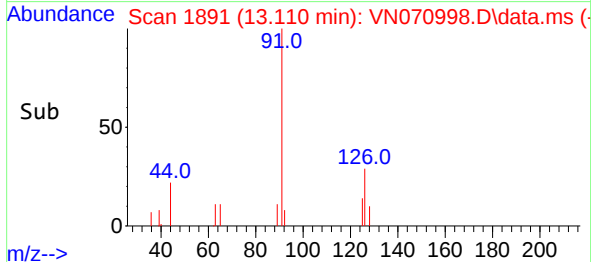
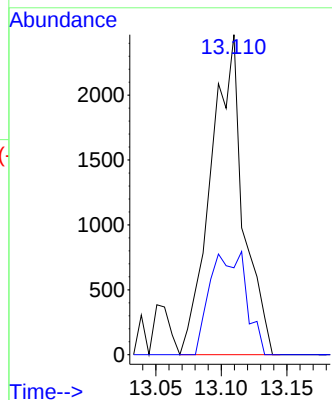
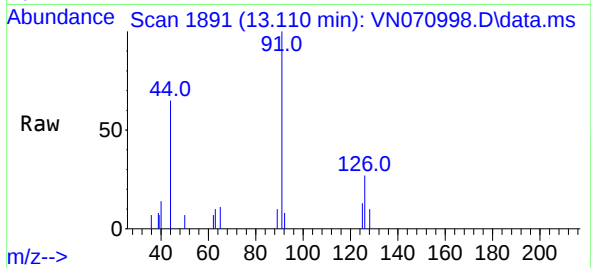




#82
4-Chlorotoluene
Concen: 0.217 ug/l
RT: 13.110 min Scan# 1889
Delta R.T. 0.012 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

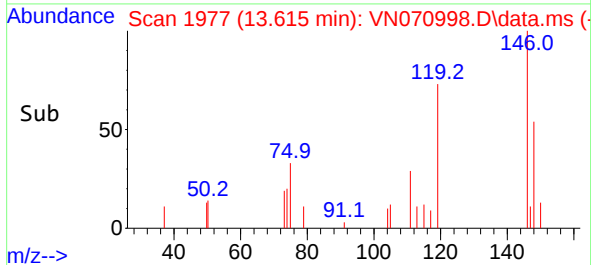
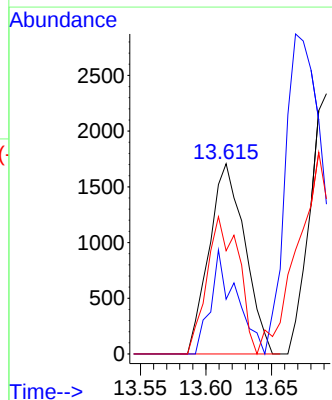
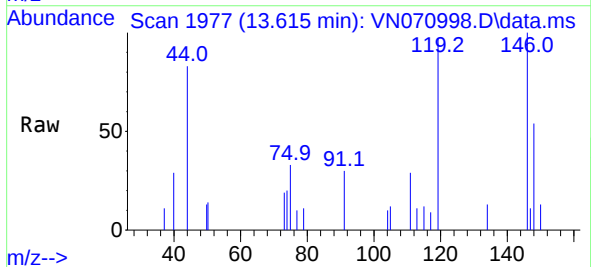
Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

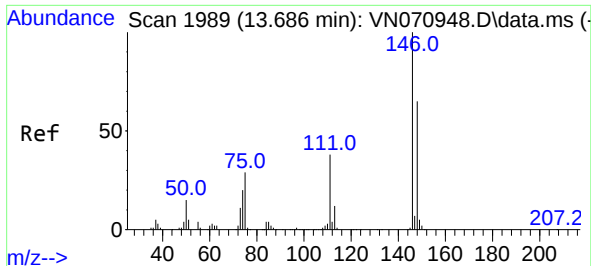
Tgt Ion: 91 Resp: 4236
Ion Ratio Lower Upper
91 100
126 35.8 18.2 54.6



#87
1,3-Dichlorobenzene
Concen: 0.253 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 146 Resp: 3227
Ion Ratio Lower Upper
146 100
111 39.2 18.6 55.6
148 64.0 31.6 95.0



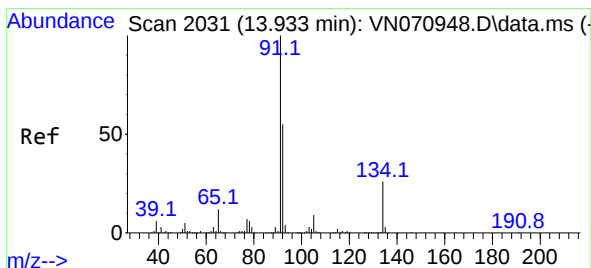
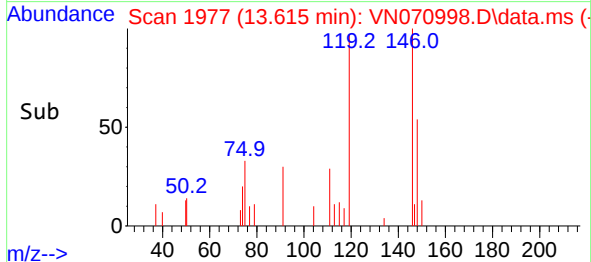
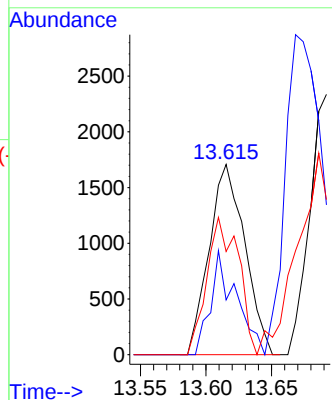
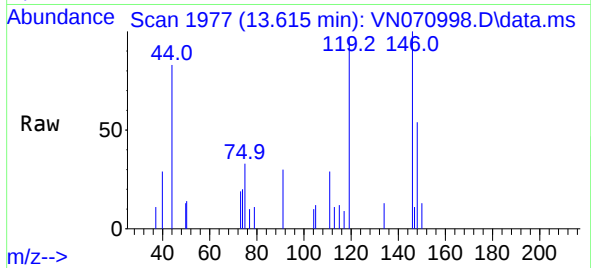


#88
1,4-Dichlorobenzene
Concen: 0.258 ug/l
RT: 13.615 min Scan# 1989
Delta R.T. -0.071 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

Tgt Ion:146 Resp: 3227

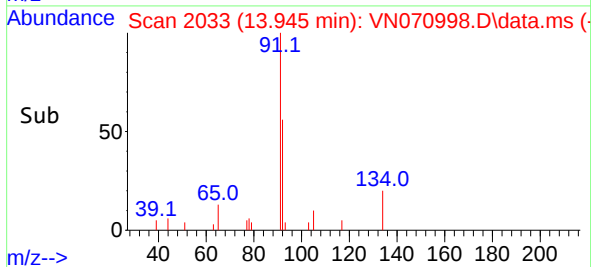
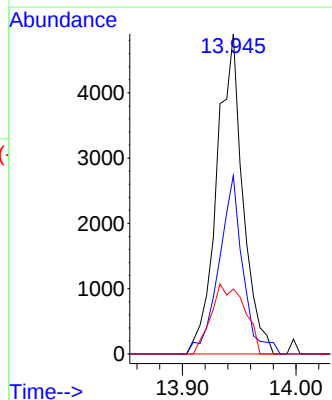
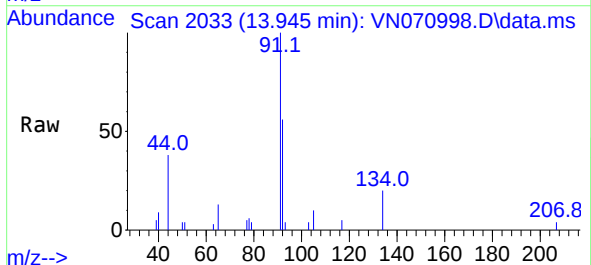
Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.3	54.8
148	64.0	31.8	95.4

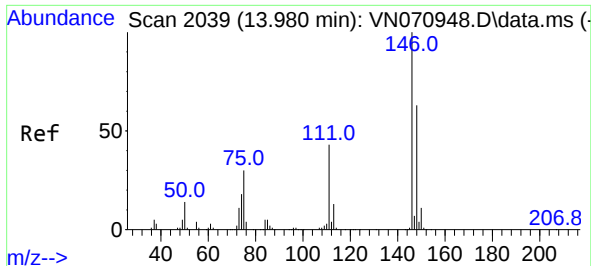


#89
n-Butylbenzene
Concen: 0.391 ug/l
RT: 13.945 min Scan# 2033
Delta R.T. 0.012 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion: 91 Resp: 7811

Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.4	76.0
134	28.0	13.6	40.8





#91

1,2-Dichlorobenzene

Concen: 0.320 ug/l

RT: 13.986 min Scan# 2039

Delta R.T. 0.006 min

Lab File: VN070998.D

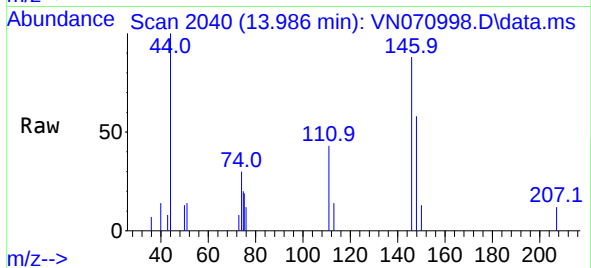
Acq: 18 Feb 2022 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0218MBL01



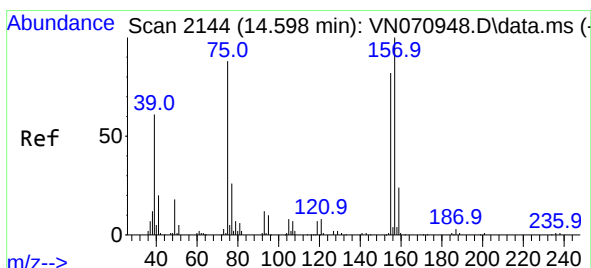
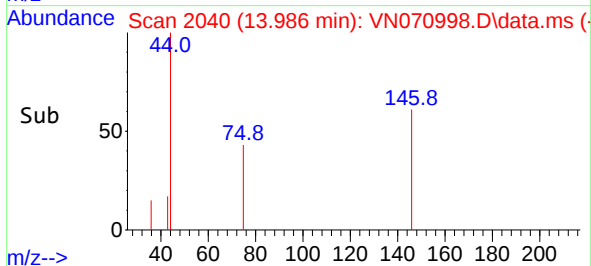
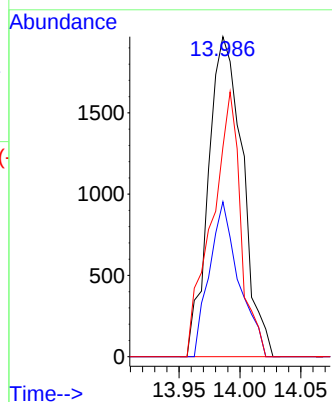
Tgt Ion:146 Resp: 3844

Ion Ratio Lower Upper

146 100

111 41.7 19.1 57.3

148 70.2 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.471 ug/l

RT: 14.609 min Scan# 2146

Delta R.T. 0.012 min

Lab File: VN070998.D

Acq: 18 Feb 2022 11:39

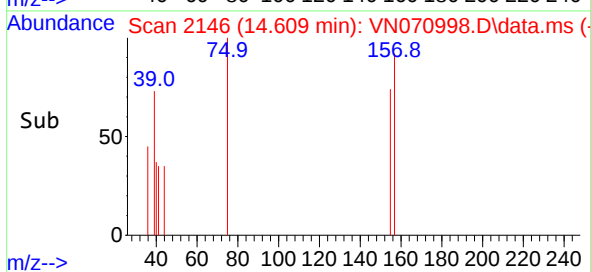
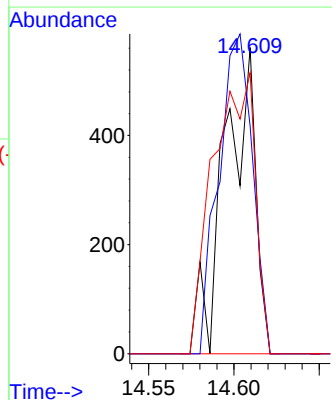
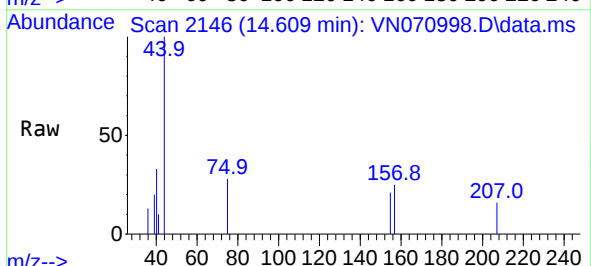
Tgt Ion: 75 Resp: 715

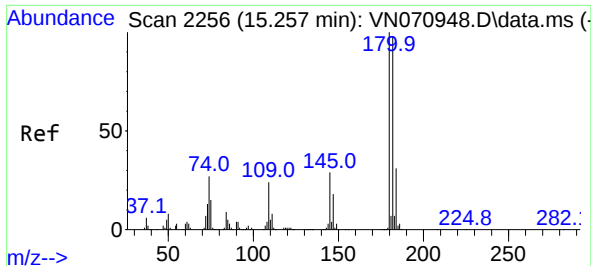
Ion Ratio Lower Upper

75 100

155 113.1 46.9 140.7

157 122.9 60.6 181.7

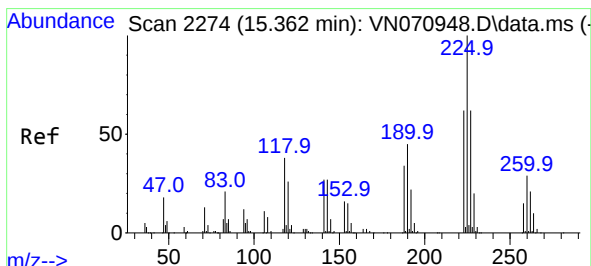
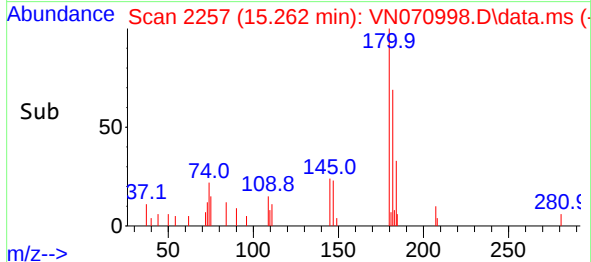
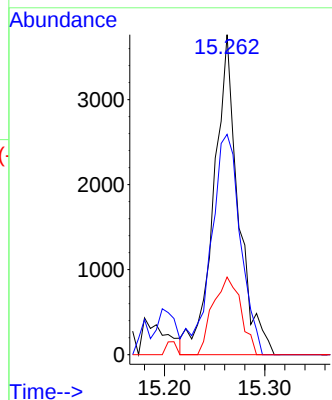
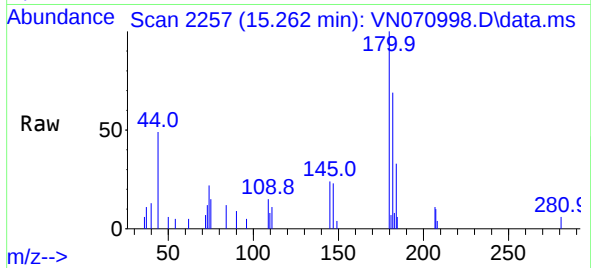




#93
1,2,4-Trichlorobenzene
Concen: 2.907 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

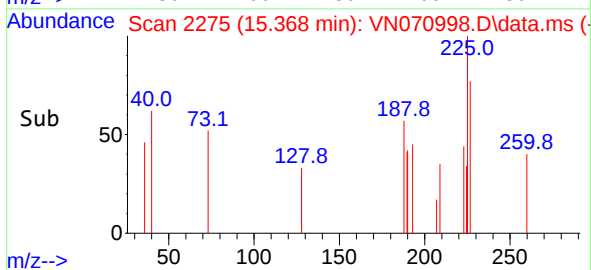
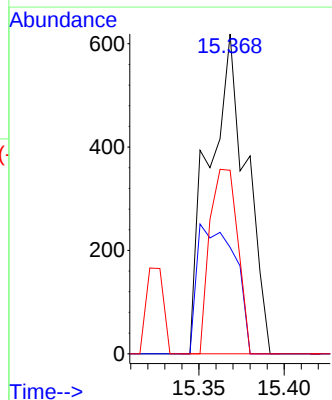
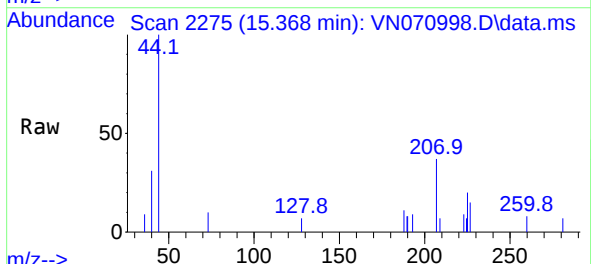
Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

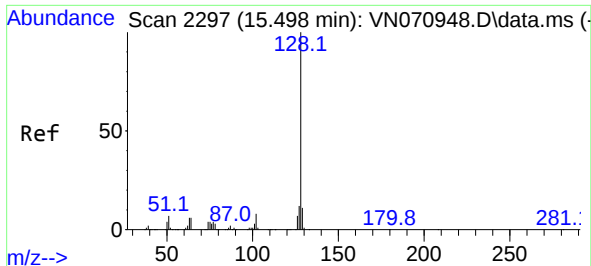
Tgt Ion:	180	Resp:	6377
Ion Ratio	Lower	Upper	
180	100		
182	80.0	48.3	144.9
145	27.6	14.5	43.5



#94
Hexachlorobutadiene
Concen: 0.216 ug/l
RT: 15.368 min Scan# 2275
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion:	225	Resp:	947
Ion Ratio	Lower	Upper	
225	100		
223	40.4	31.9	95.7
227	43.1	32.1	96.3

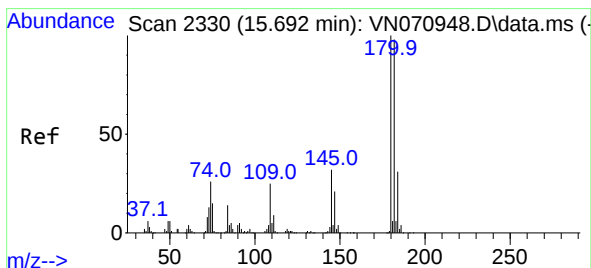
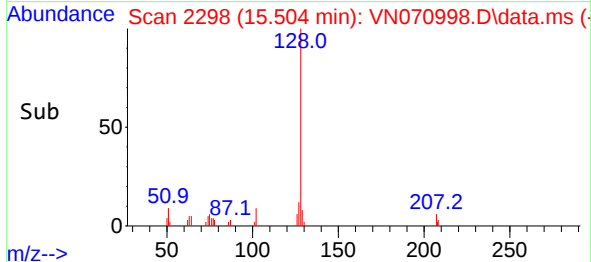
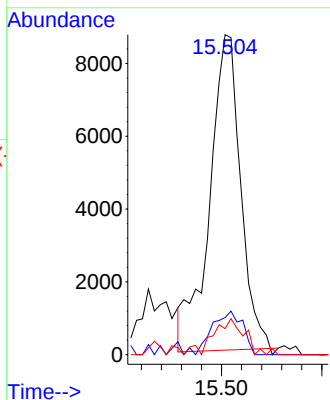
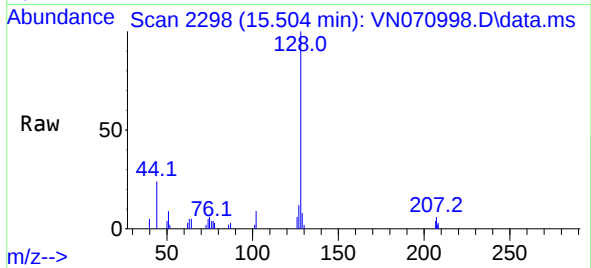




#95
Naphthalene
Concen: 6.012 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBL01

Tgt Ion:	128	Resp:	18593
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.602 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.011 min
Lab File: VN070998.D
Acq: 18 Feb 2022 11:39

Tgt Ion:	180	Resp:	7110
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.4	142.2
145	26.5	15.0	45.1

