

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
 Data File : VN071069.D
 Acq On : 25 Feb 2022 13:02
 Operator : JC\MD
 Sample : VN0225MBL01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

Quant Time: Feb 26 03:41:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

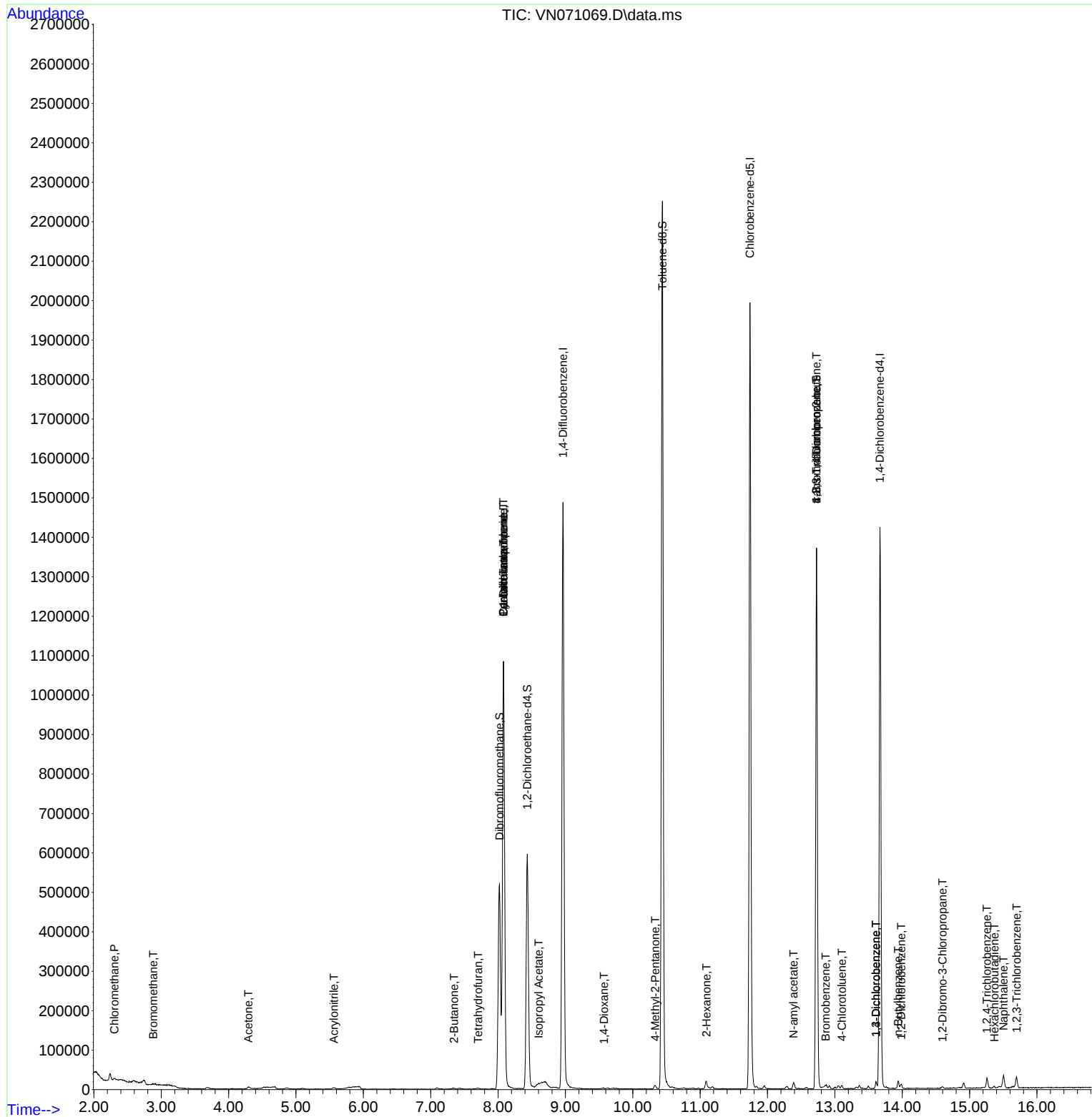
Internal Standards						
1) Pentafluorobenzene	8.081	168	842824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1339964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1181308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	408355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	501639	52.104	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.200%			
35) Dibromofluoromethane	8.022	113	395322	49.601	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.200%			
50) Toluene-d8	10.439	98	1590306	49.686	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.380%			
62) 4-Bromofluorobenzene	12.727	95	486009	42.480	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 84.960%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	2736	0.249	ug/l #	80
5) Bromomethane	2.881	94	2512	0.401	ug/l #	68
15) Acrylonitrile	5.563	53	2427	0.470	ug/l #	68
16) Acetone	4.293	43	5833	1.100	ug/l	95
18) Methyl Acetate	4.875	43	6942	Below Cal	#	81
25) 2-Butanone	7.345	43	4033	0.572	ug/l #	71
29) Tetrahydrofuran	7.704	42	2106	0.461	ug/l #	81
31) Cyclohexane	8.081	56	16998	1.021	ug/l #	11
36) 1,1-Dichloropropene	8.081	75	63804	4.886	ug/l #	49
38) Carbon Tetrachloride	8.081	117	80744	6.276	ug/l #	16
43) Isopropyl Acetate	8.604	43	12875	0.583	ug/l #	55
49) 1,4-Dioxane	9.575	88	159	0.857	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	8515	0.634	ug/l	93
59) 2-Hexanone	11.092	43	19060	2.064	ug/l	94
74) N-amyl acetate	12.386	43	10257	0.976	ug/l #	94
76) 1,2,3-Trichloropropane	12.727	75	245635	25.548	ug/l #	1
77) Bromobenzene	12.863	156	1851	0.230	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.727	75	245635	82.786	ug/l #	5
82) 4-Chlorotoluene	13.104	91	5875	0.270	ug/l	86
87) 1,3-Dichlorobenzene	13.610	146	5280	0.371	ug/l	92
88) 1,4-Dichlorobenzene	13.610	146	5280	0.378	ug/l	92
89) n-Butylbenzene	13.939	91	11514	0.517	ug/l	98
91) 1,2-Dichlorobenzene	13.986	146	5104	0.382	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.598	75	1247	0.737	ug/l	88
93) 1,2,4-Trichlorobenzene	15.257	180	9195	3.173	ug/l	95
94) Hexachlorobutadiene	15.368	225	1381	0.283	ug/l	90
95) Naphthalene	15.504	128	30877	6.512	ug/l	97
96) 1,2,3-Trichlorobenzene	15.698	180	11045	4.029	ug/l	96

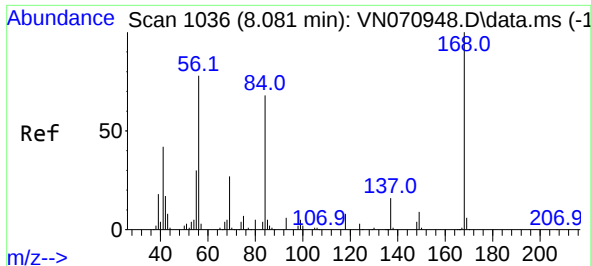
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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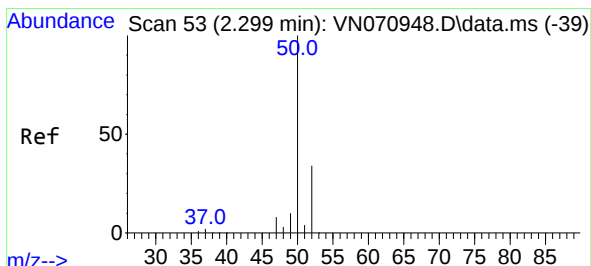
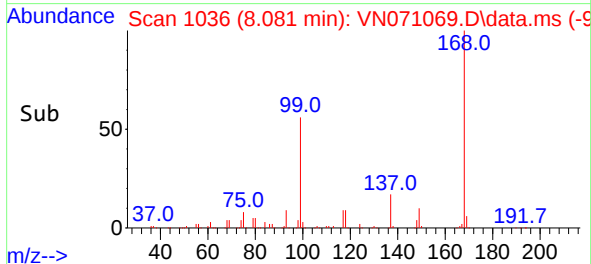
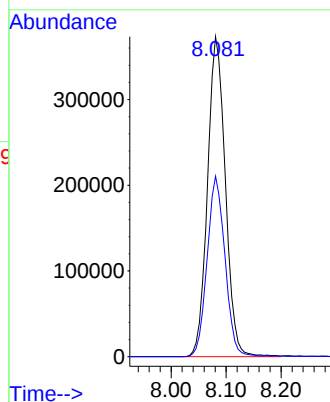
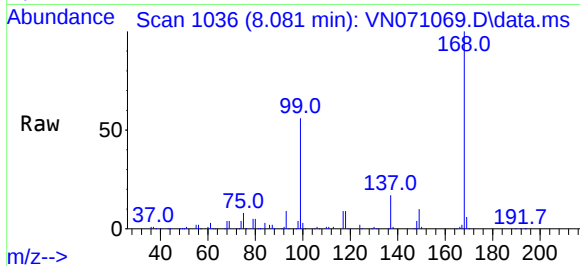




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

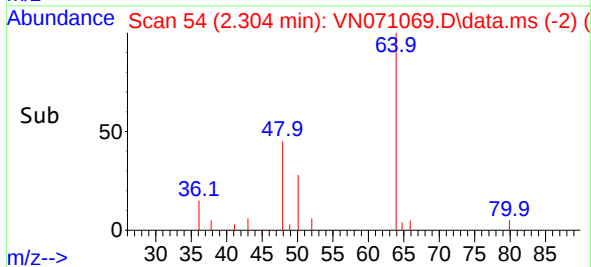
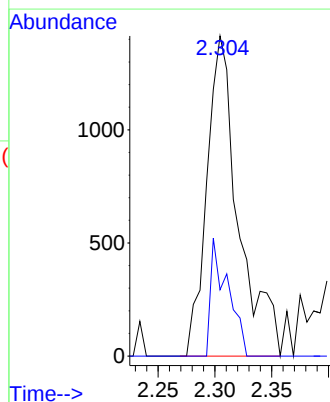
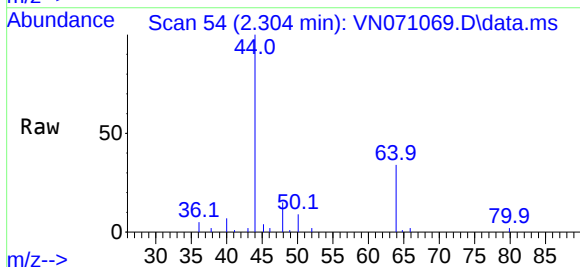
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

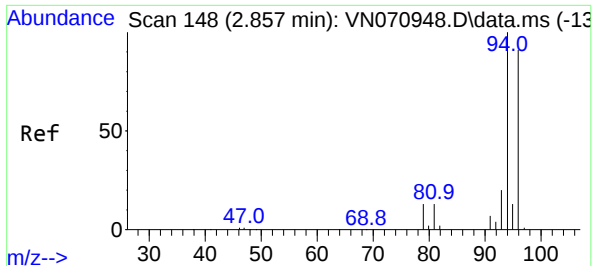
Tgt Ion:168 Resp: 842824
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9



#3
Chloromethane
Concen: 0.249 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 50 Resp: 2736
Ion Ratio Lower Upper
50 100
52 20.7 25.4 38.0#

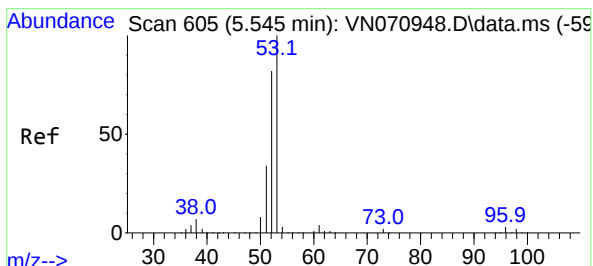
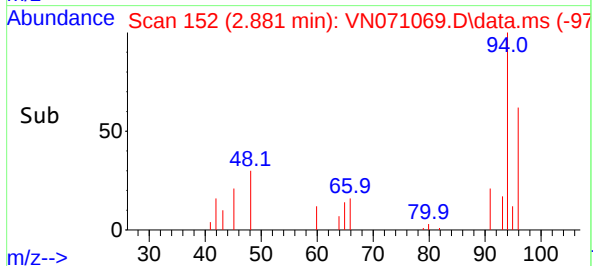
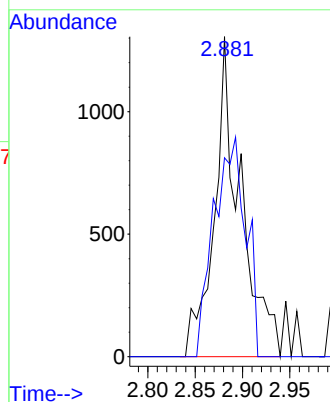
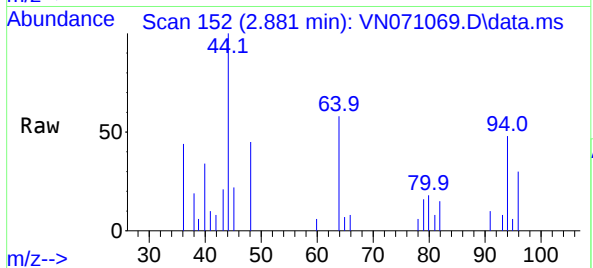




#5
Bromomethane
Concen: 0.401 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

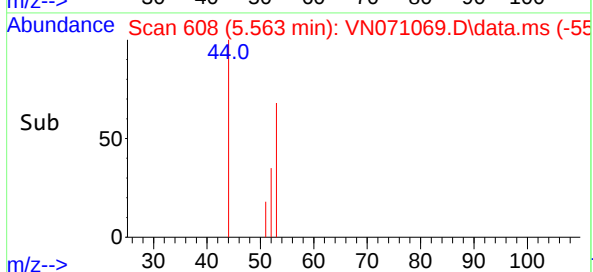
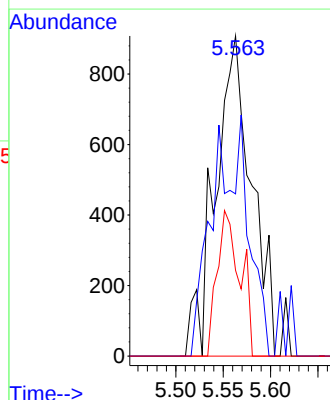
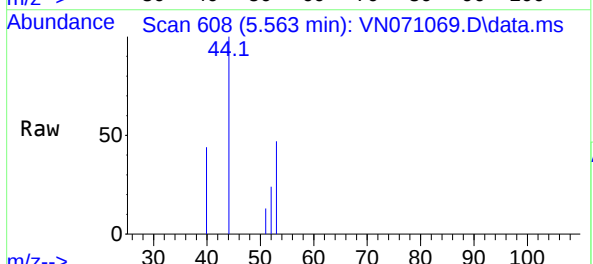
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

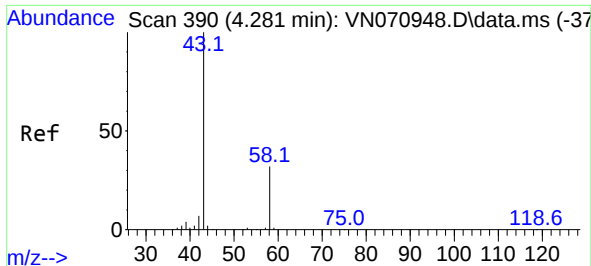
Tgt Ion: 94 Resp: 2512
Ion Ratio Lower Upper
94 100
96 62.2 73.8 110.8#



#15
Acrylonitrile
Concen: 0.470 ug/l
RT: 5.563 min Scan# 608
Delta R.T. 0.018 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 53 Resp: 2427
Ion Ratio Lower Upper
53 100
52 47.1 66.2 99.2#
51 28.7 29.6 44.4#

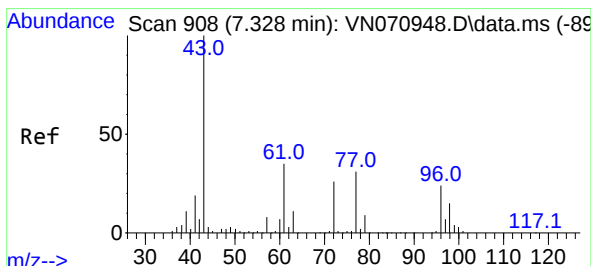
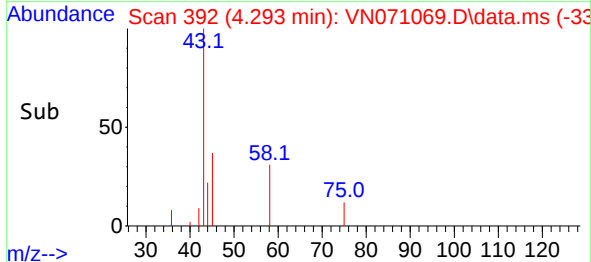
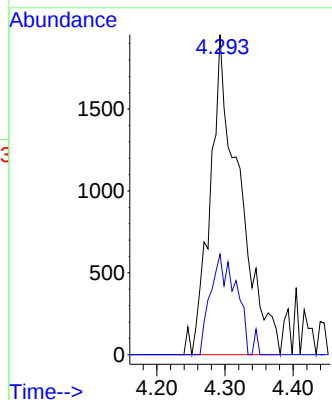
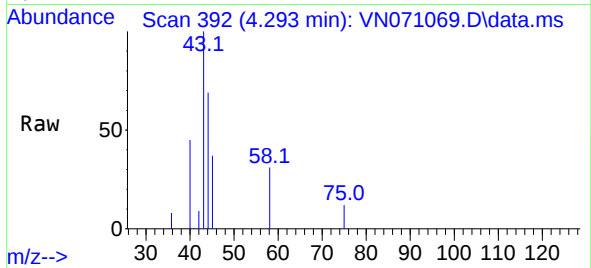




#16
Acetone
Concen: 1.100 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

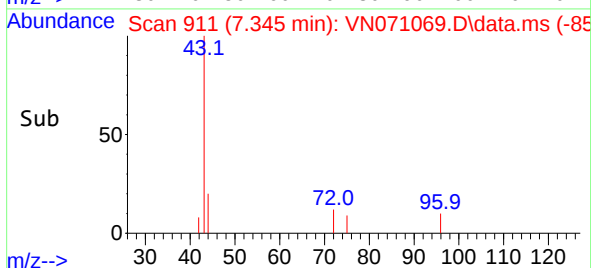
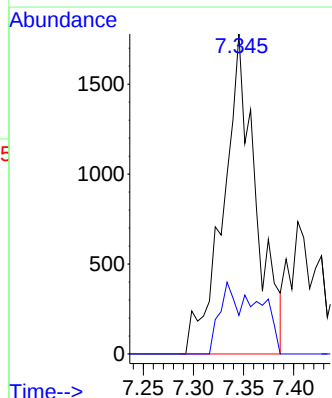
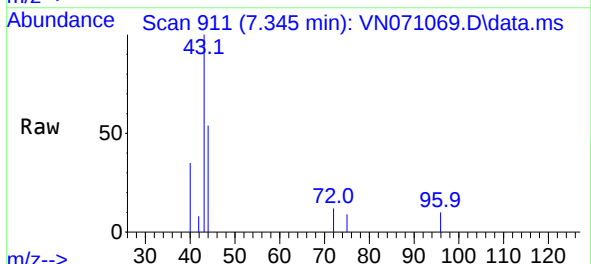
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

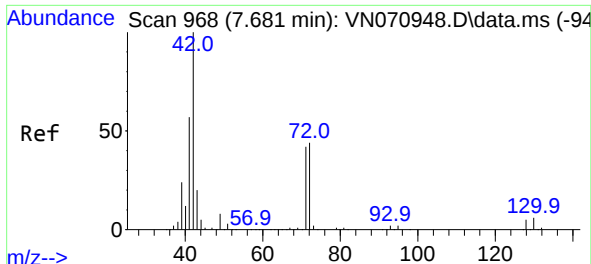
Tgt Ion: 43 Resp: 5833
Ion Ratio Lower Upper
43 100
58 31.4 23.1 34.7



#25
2-Butanone
Concen: 0.572 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 43 Resp: 4033
Ion Ratio Lower Upper
43 100
72 12.1 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.461 ug/l

RT: 7.704 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN071069.D

Acq: 25 Feb 2022 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0225MBL01

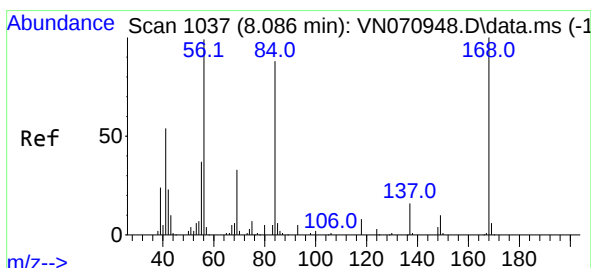
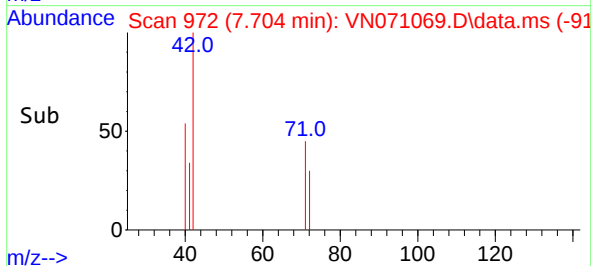
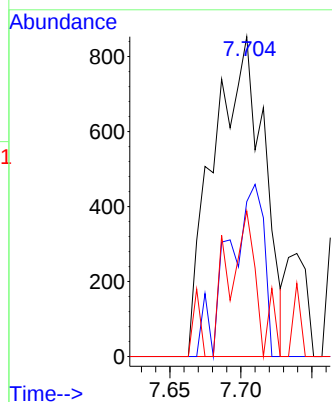
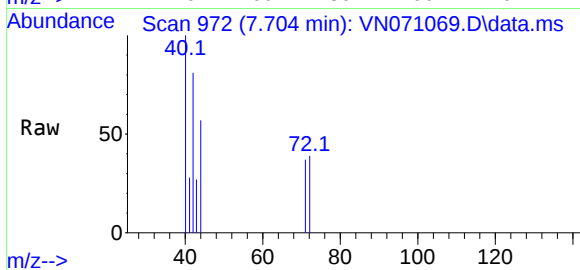
Tgt Ion: 42 Resp: 2106

Ion Ratio Lower Upper

42 100

72 37.9 36.3 54.5

71 25.9 34.7 52.1#



#31

Cyclohexane

Concen: 1.021 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071069.D

Acq: 25 Feb 2022 13:02

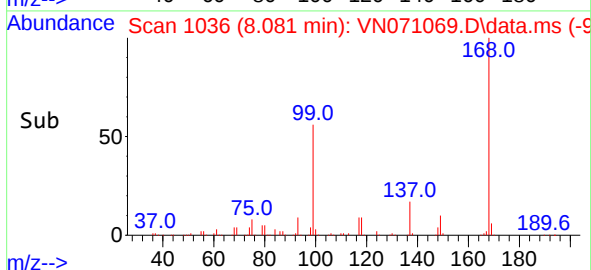
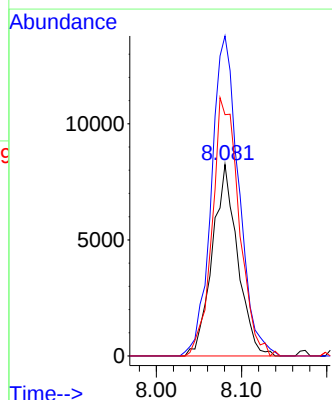
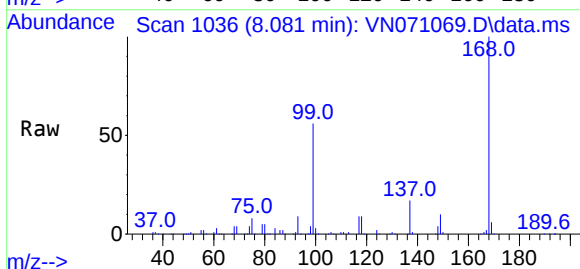
Tgt Ion: 56 Resp: 16998

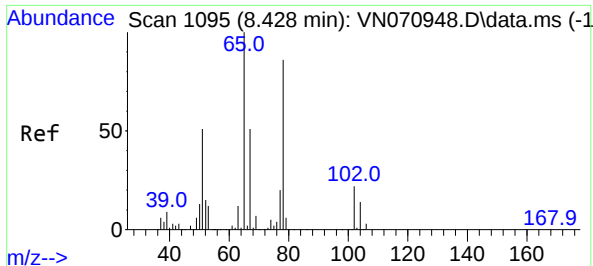
Ion Ratio Lower Upper

56 100

69 167.1 27.1 40.7#

84 126.1 73.4 110.0#

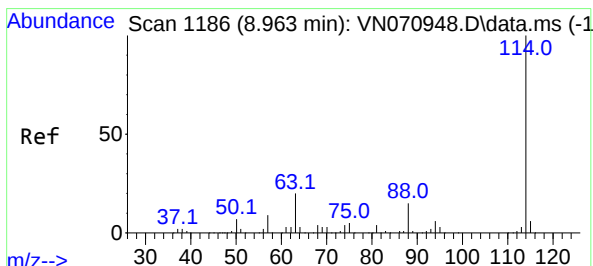
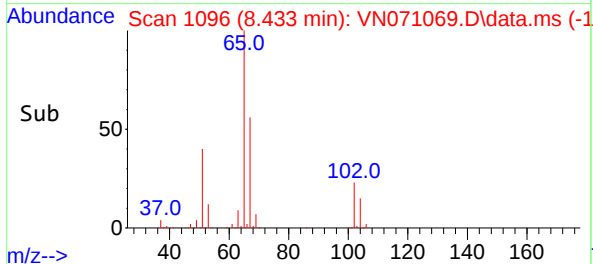
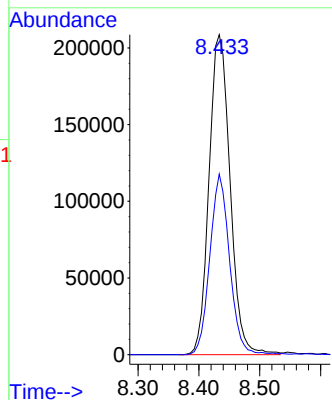
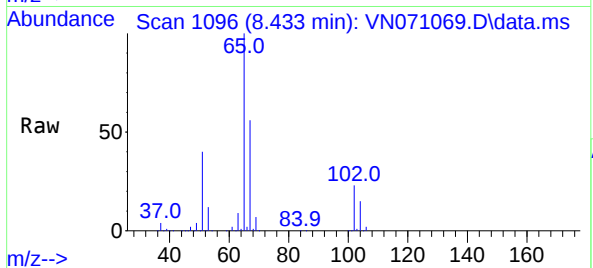




#33
1,2-Dichloroethane-d4
Concen: 52.104 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

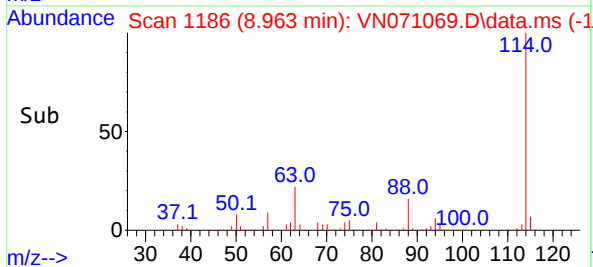
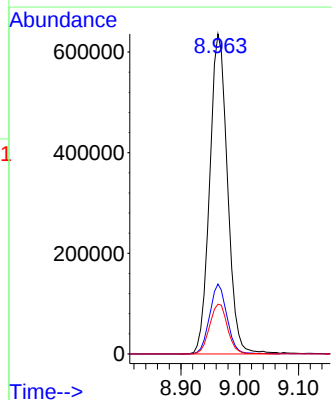
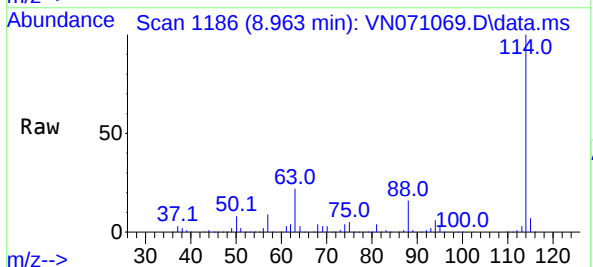
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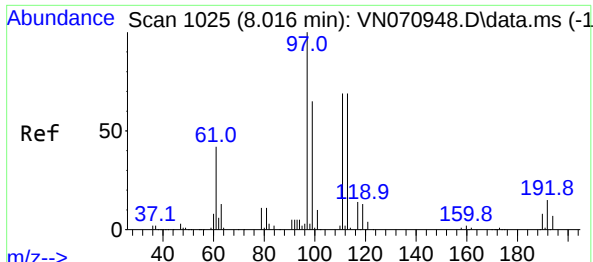
Tgt Ion: 65 Resp: 501639
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 114 Resp: 1339964
Ion Ratio Lower Upper
114 100
63 21.8 0.0 37.8
88 15.6 0.0 27.4

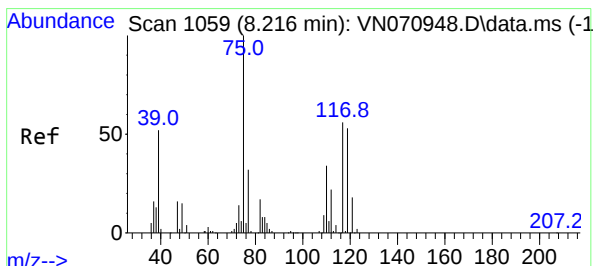
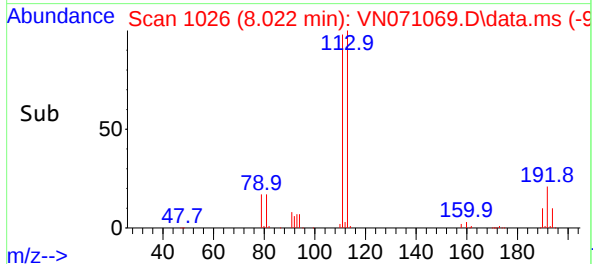
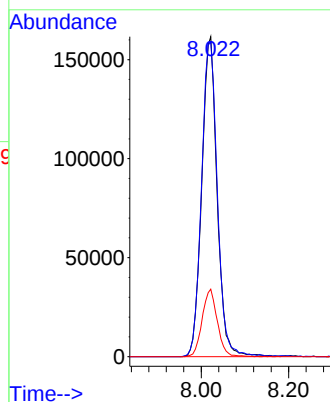
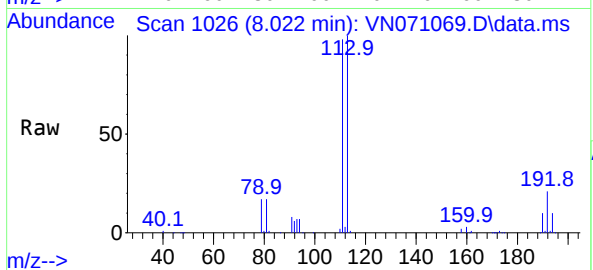




#35
Dibromofluoromethane
Concen: 49.601 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

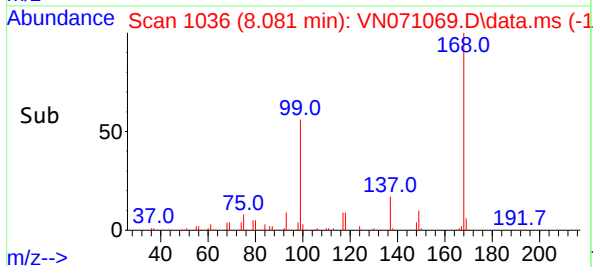
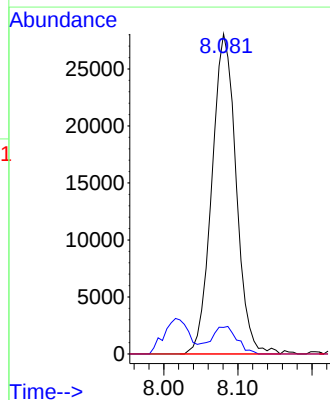
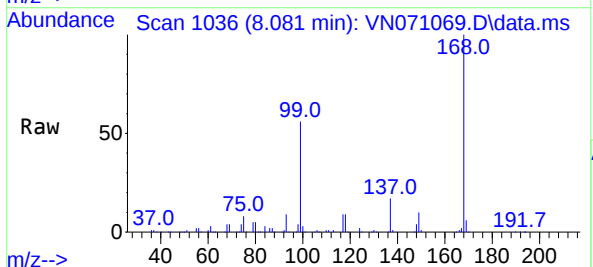
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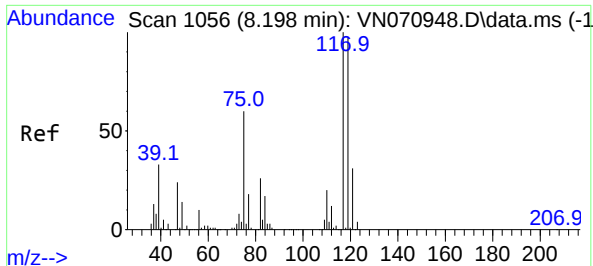
Tgt Ion:113 Resp: 395322
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.886 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 75 Resp: 63804
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#

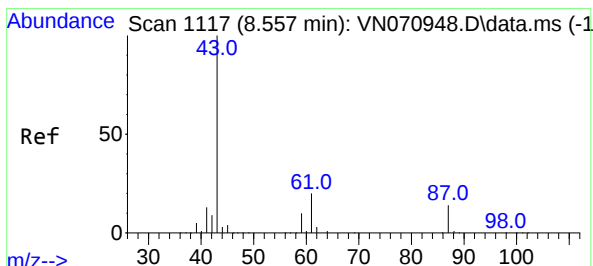
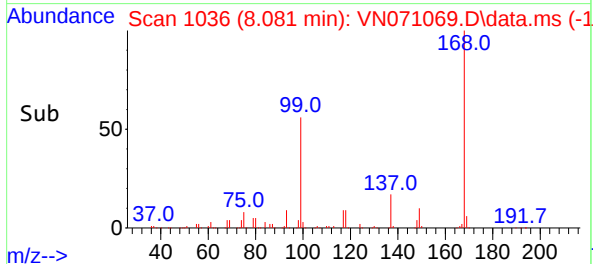
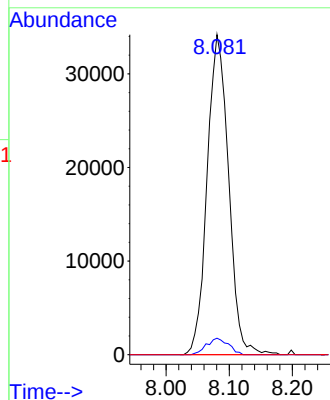
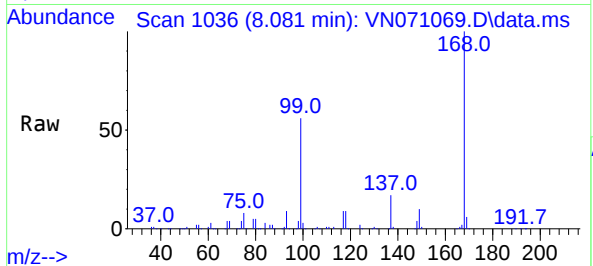




#38
Carbon Tetrachloride
Concen: 6.276 ug/l
RT: 8.081 min Scan# 1105
Delta R.T. -0.118 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

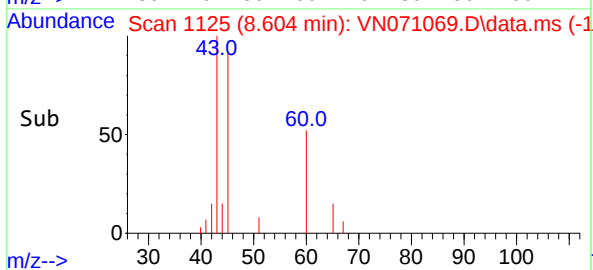
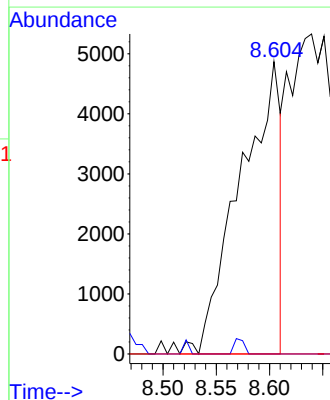
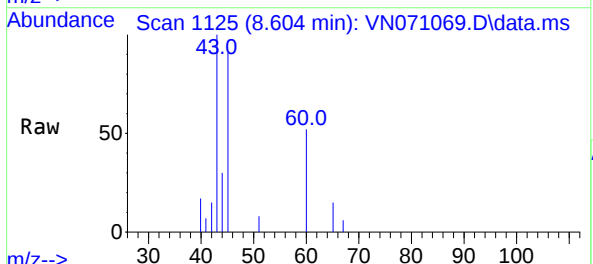
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

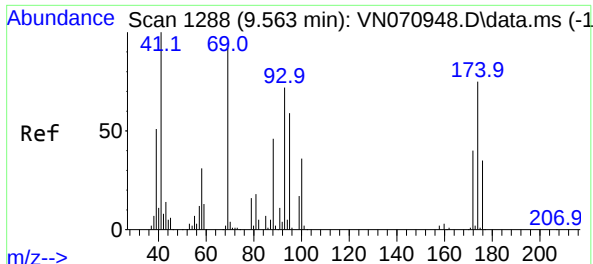
Tgt Ion:117 Resp: 80744
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.583 ug/l
RT: 8.604 min Scan# 1125
Delta R.T. 0.047 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 43 Resp: 12875
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

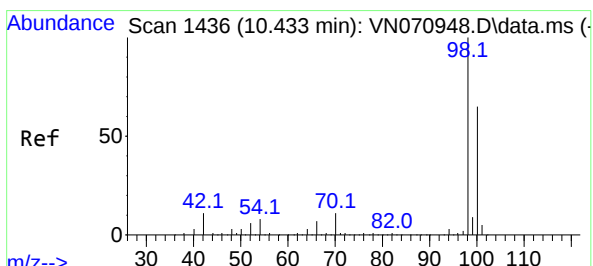
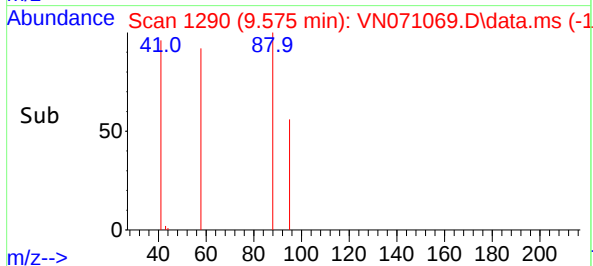
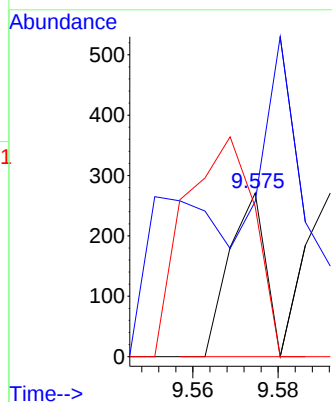
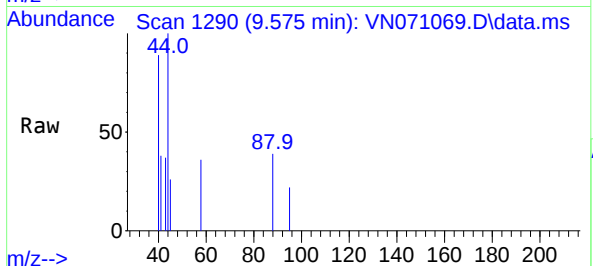




#49
1,4-Dioxane
Concen: 0.857 ug/l
RT: 9.575 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

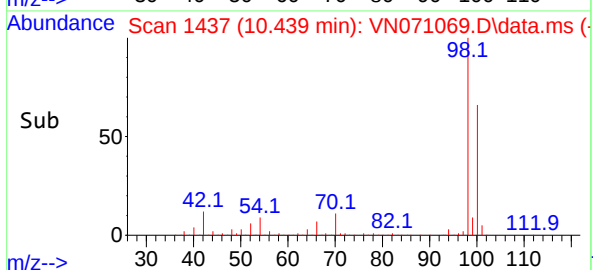
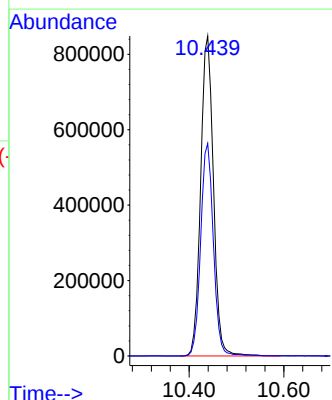
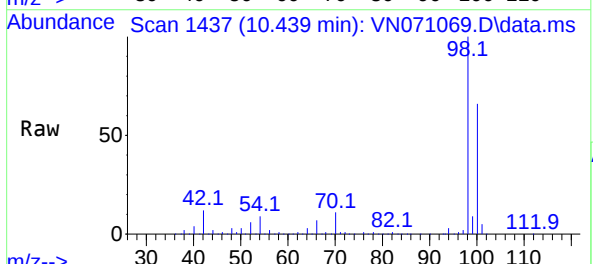
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

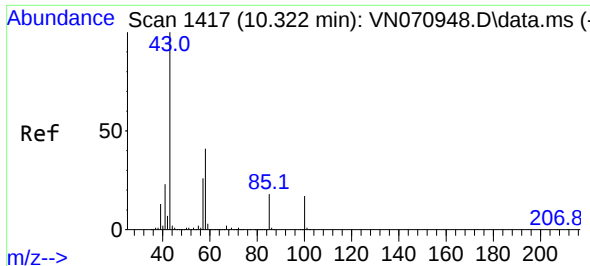
Tgt Ion: 88 Resp: 159
Ion Ratio Lower Upper
88 100
43 123.3 23.4 35.2#
58 259.1 50.6 75.8#



#50
Toluene-d8
Concen: 49.686 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

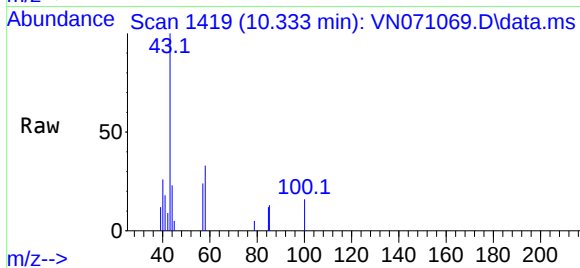
Tgt Ion: 98 Resp: 1590306
Ion Ratio Lower Upper
98 100
100 66.2 50.4 75.6



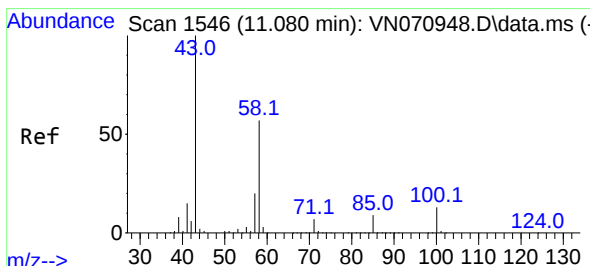
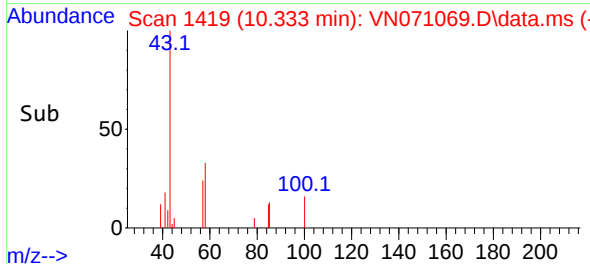
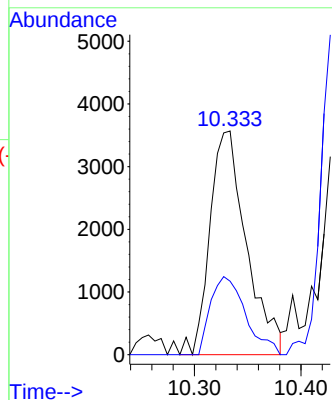


#51
4-Methyl-2-Pentanone
Concen: 0.634 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.012 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

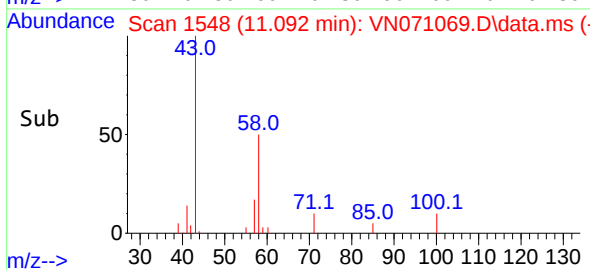
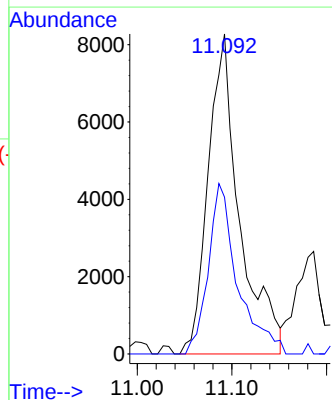
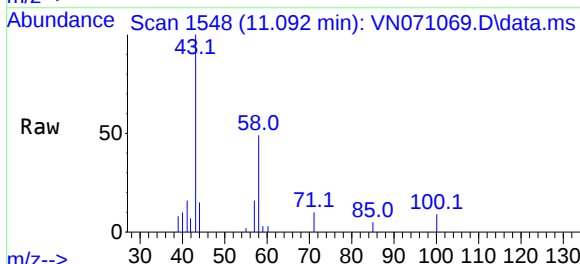


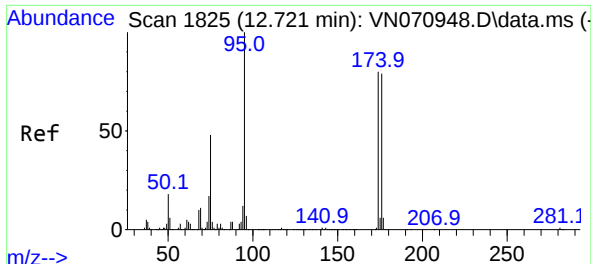
Tgt Ion: 43 Resp: 8515
Ion Ratio Lower Upper
43 100
58 33.6 30.4 45.6



#59
2-Hexanone
Concen: 2.064 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 43 Resp: 19060
Ion Ratio Lower Upper
43 100
58 49.7 26.9 80.7

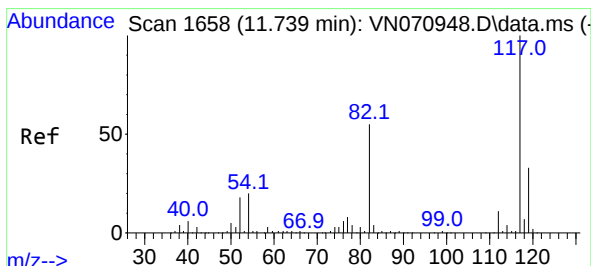
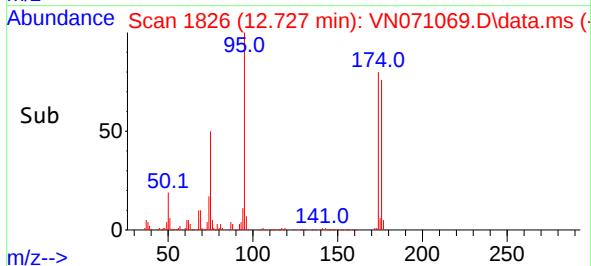
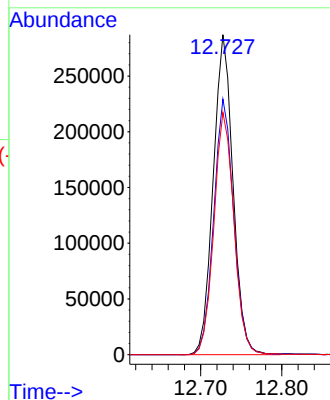
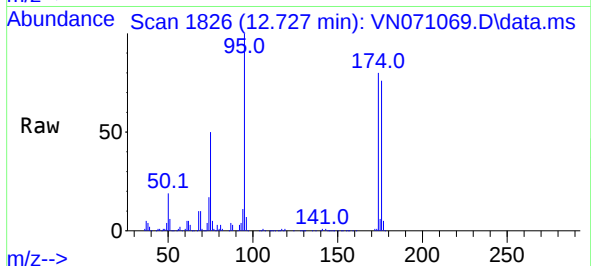




#62
4-Bromofluorobenzene
Concen: 42.480 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

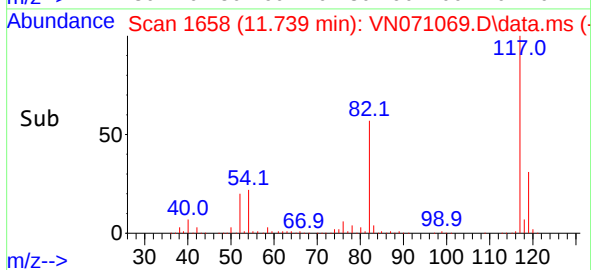
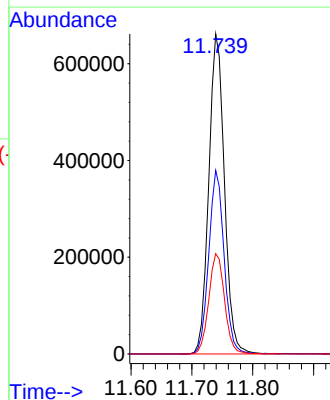
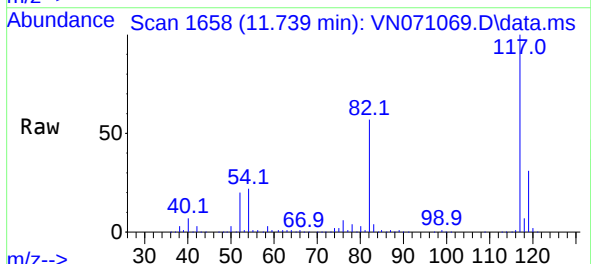
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

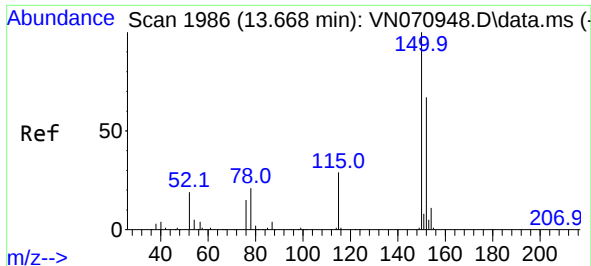
Tgt Ion: 95 Resp: 486009
Ion Ratio Lower Upper
95 100
174 80.8 0.0 187.2
176 76.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 117 Resp: 1181308
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 31.4 25.4 38.2

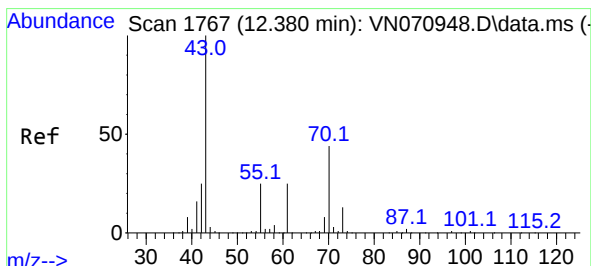
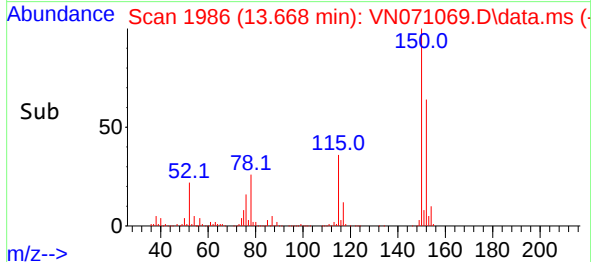
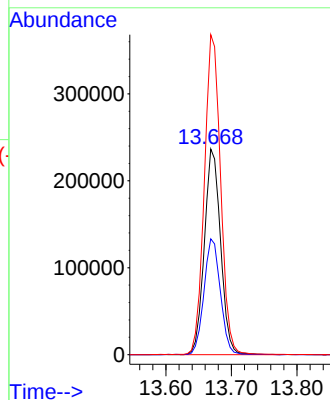
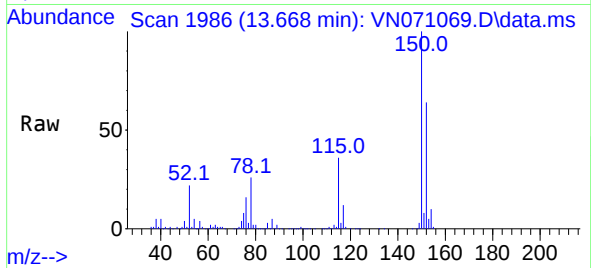




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

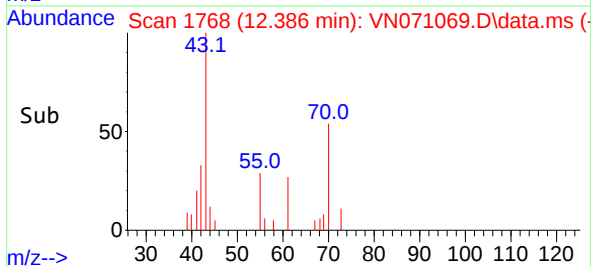
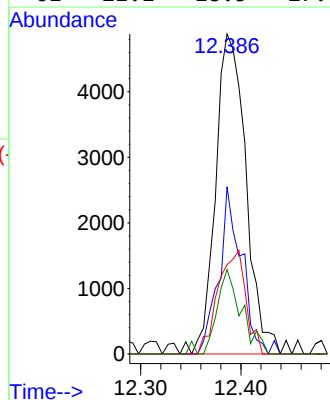
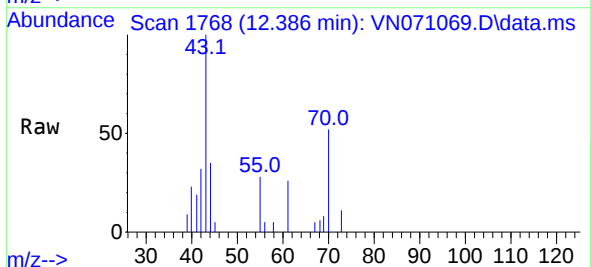
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

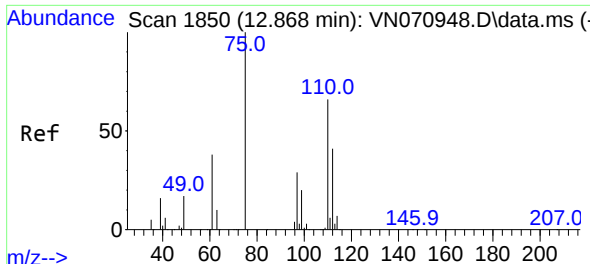
Tgt Ion:152 Resp: 408355
Ion Ratio Lower Upper
152 100
115 56.8 27.5 82.5
150 155.9 0.0 344.4



#74
N-ethyl acetate
Concen: 0.976 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 43 Resp: 10257
Ion Ratio Lower Upper
43 100
70 38.7 33.4 50.0
55 29.7 19.3 28.9#
61 21.1 18.5 27.7

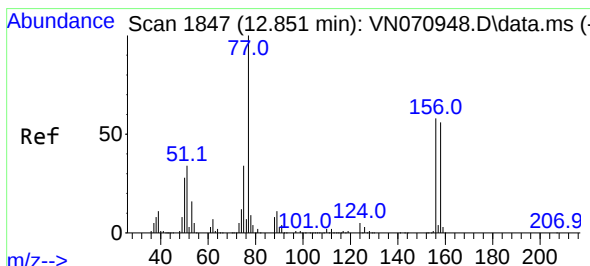
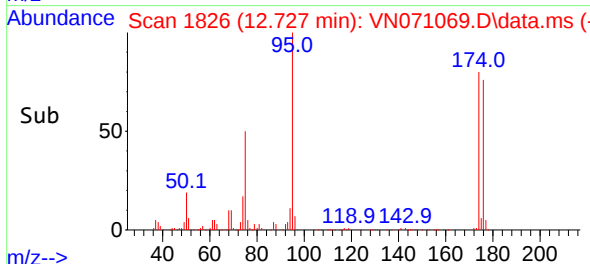
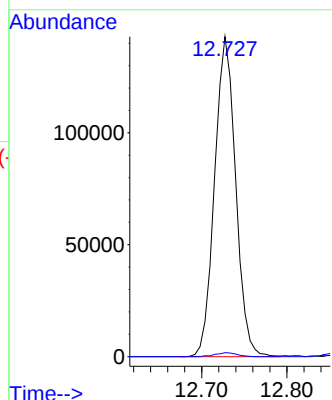
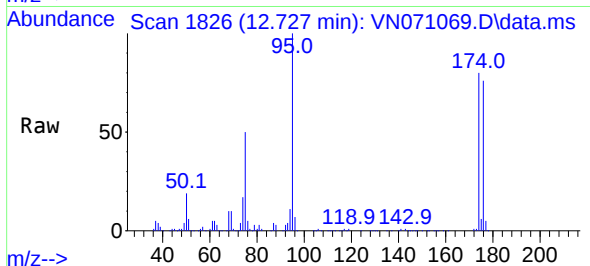




#76
1,2,3-Trichloropropane
Concen: 25.548 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

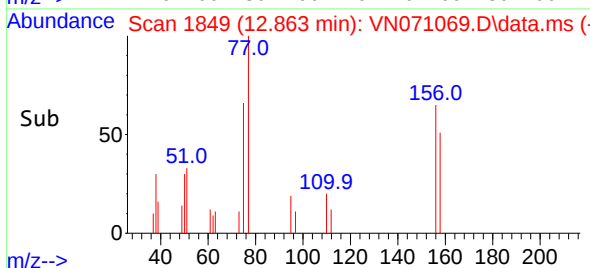
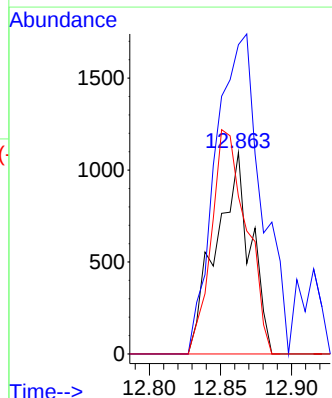
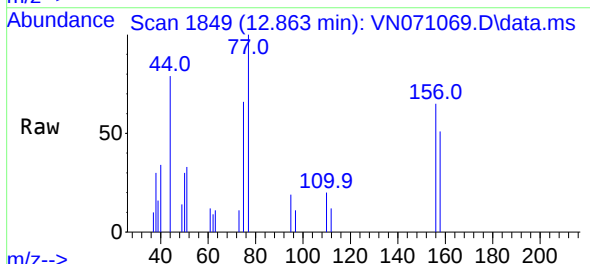
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

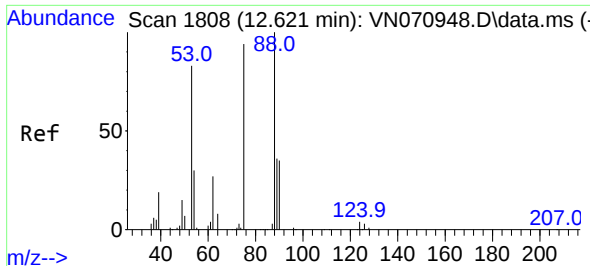
Tgt Ion: 75 Resp: 245635
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#77
Bromobenzene
Concen: 0.230 ug/l
RT: 12.863 min Scan# 1849
Delta R.T. 0.012 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 156 Resp: 1851
Ion Ratio Lower Upper
156 100
77 210.2 90.6 271.8
158 113.1 48.9 146.7

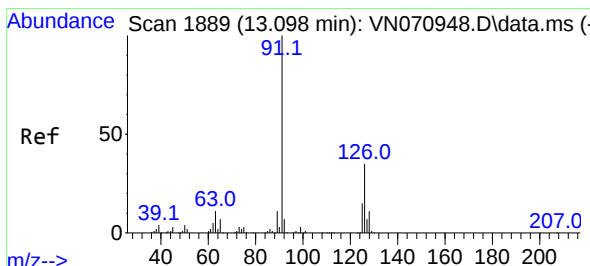
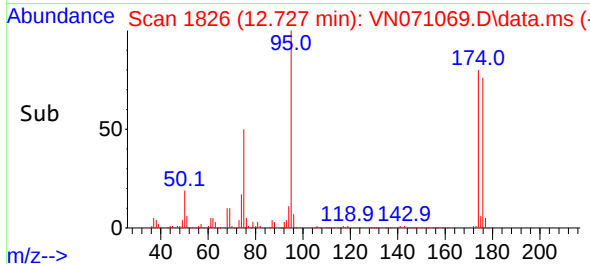
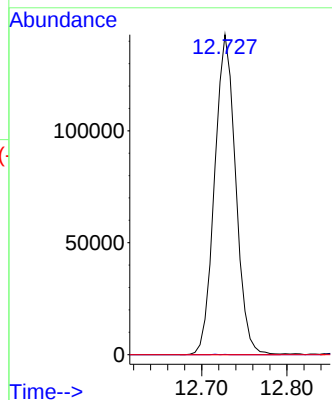
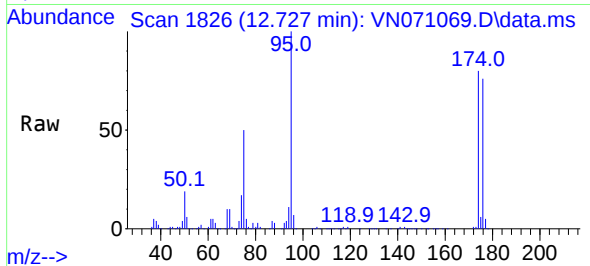




#81
trans-1,4-Dichloro-2-butene
Concen: 82.786 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

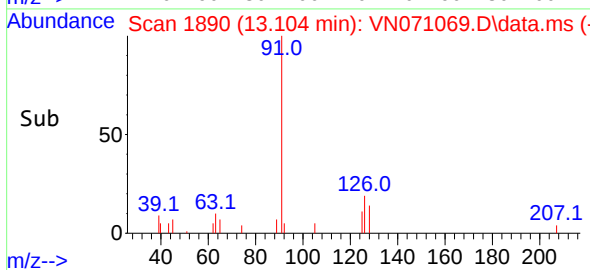
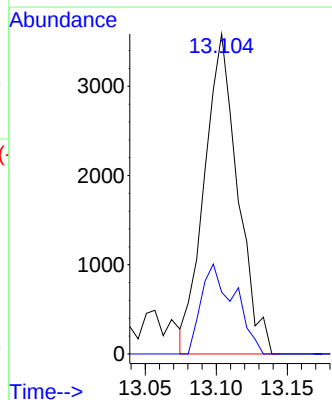
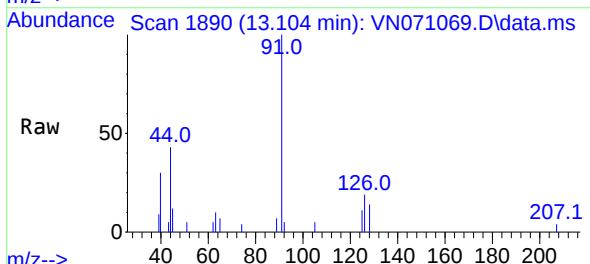
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

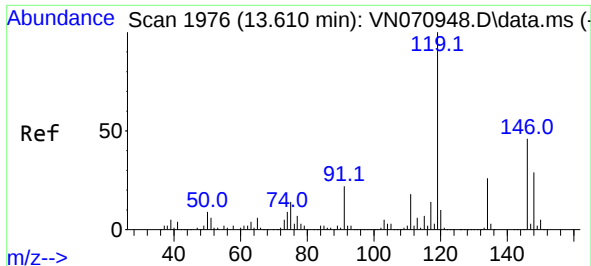
Tgt Ion: 75 Resp: 245635
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 0.270 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion: 91 Resp: 5875
Ion Ratio Lower Upper
91 100
126 28.1 18.2 54.6

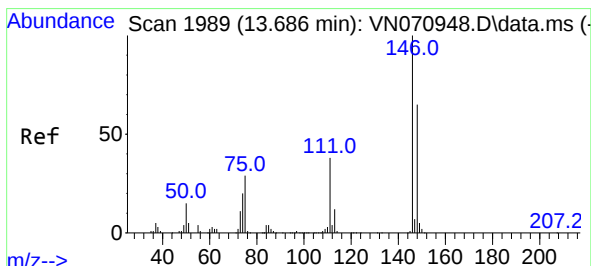
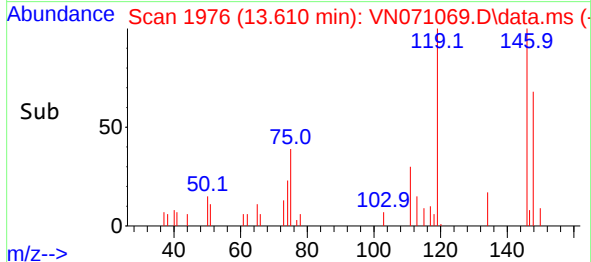
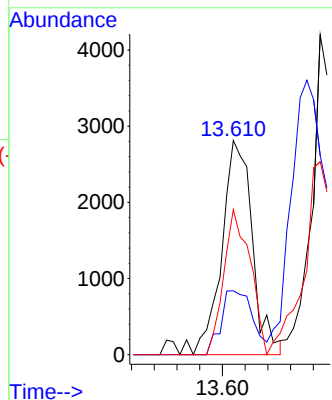
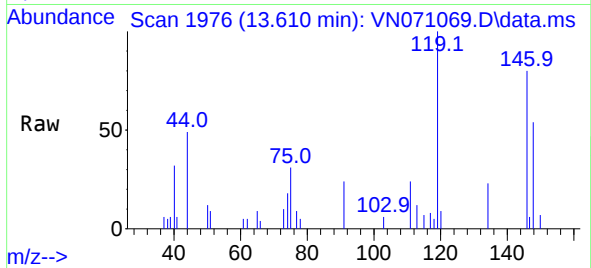




#87
1,3-Dichlorobenzene
Concen: 0.371 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

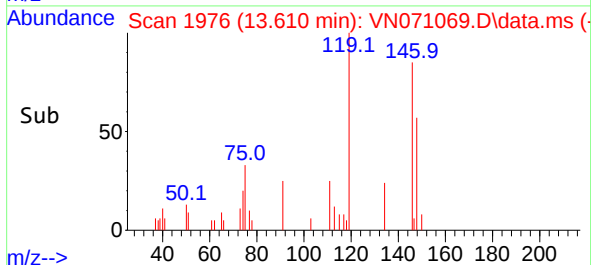
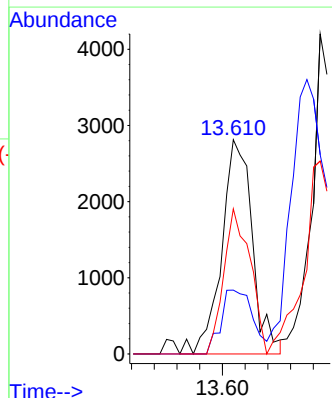
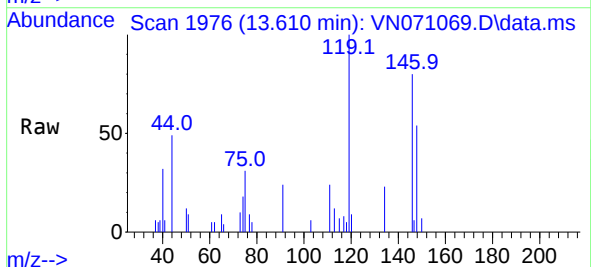
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

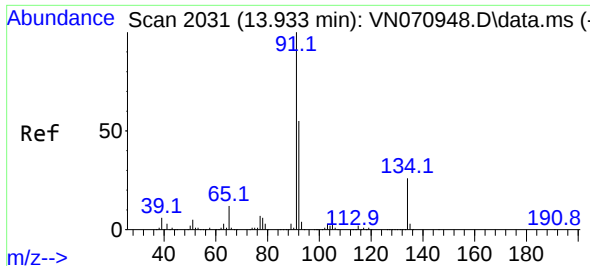
Tgt Ion:146 Resp: 5280
Ion Ratio Lower Upper
146 100
111 31.0 18.6 55.6
148 58.5 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 0.378 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.076 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion:146 Resp: 5280
Ion Ratio Lower Upper
146 100
111 31.0 18.3 54.8
148 58.5 31.8 95.4





#89

n-Butylbenzene

Concen: 0.517 ug/l

RT: 13.939 min Scan# 2031

Delta R.T. 0.006 min

Lab File: VN071069.D

Acq: 25 Feb 2022 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0225MBL01

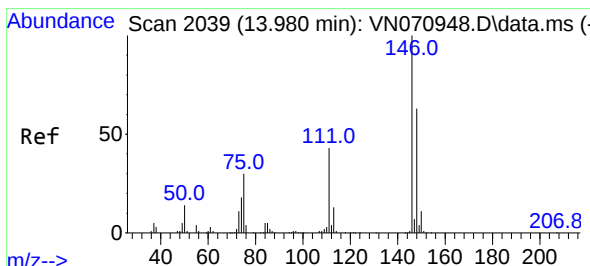
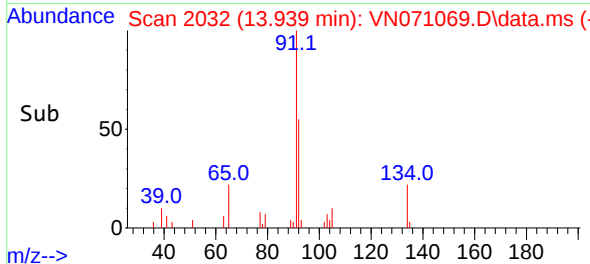
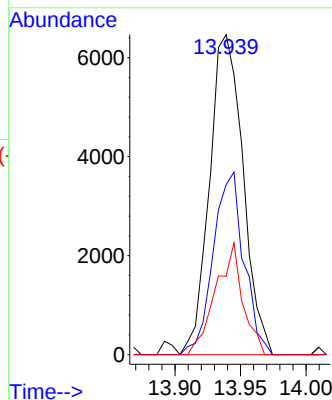
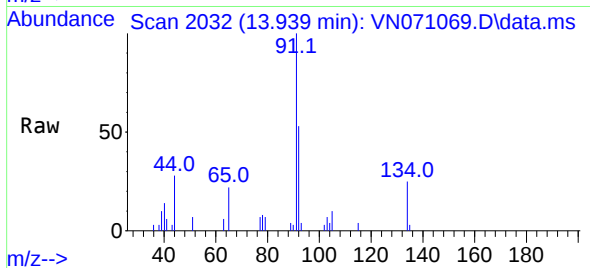
Tgt Ion: 91 Resp: 11514

Ion Ratio Lower Upper

91 100

92 52.1 25.4 76.0

134 28.3 13.6 40.8



#91

1,2-Dichlorobenzene

Concen: 0.382 ug/l

RT: 13.986 min Scan# 2040

Delta R.T. 0.006 min

Lab File: VN071069.D

Acq: 25 Feb 2022 13:02

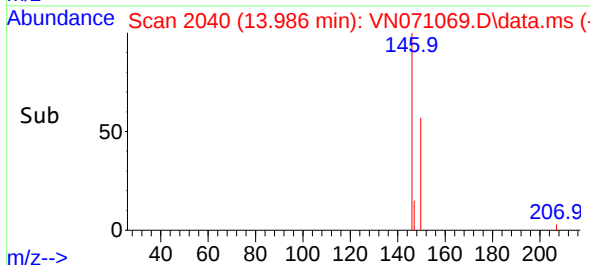
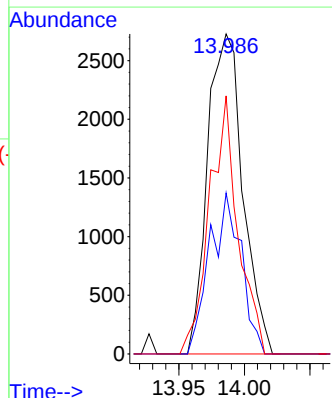
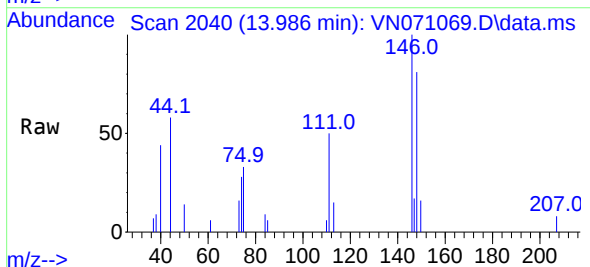
Tgt Ion:146 Resp: 5104

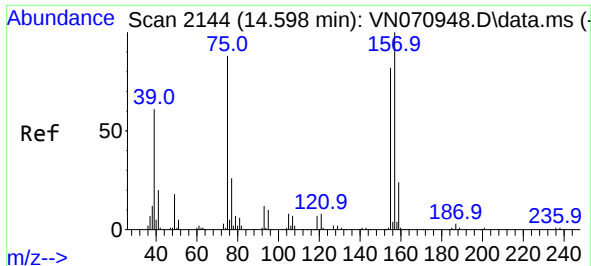
Ion Ratio Lower Upper

146 100

111 45.0 19.1 57.3

148 65.0 32.1 96.3

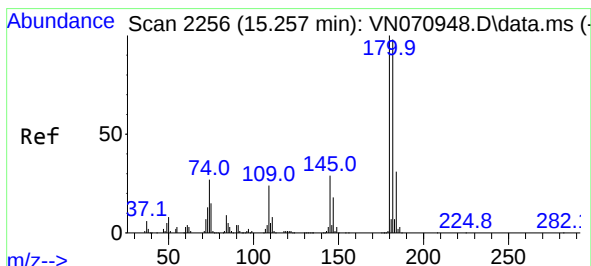
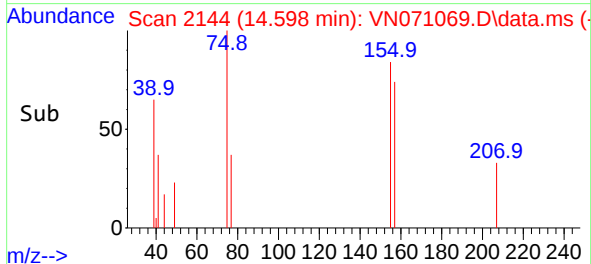
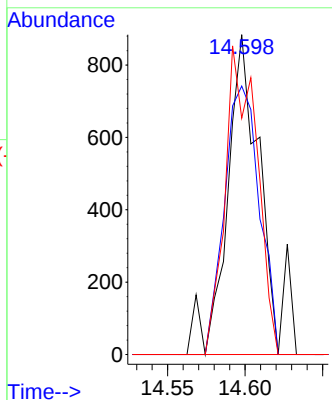
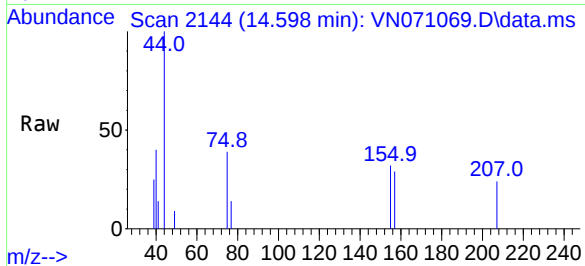




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.737 ug/l
 RT: 14.598 min Scan# 2144
 Delta R.T. 0.000 min
 Lab File: VN071069.D
 Acq: 25 Feb 2022 13:02

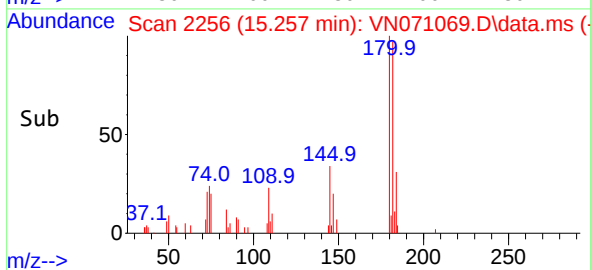
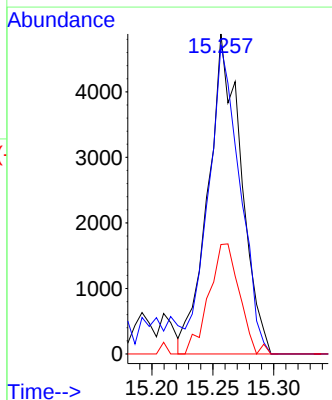
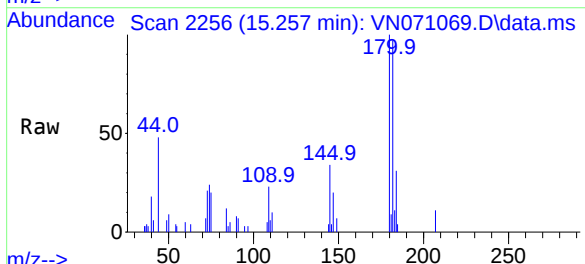
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

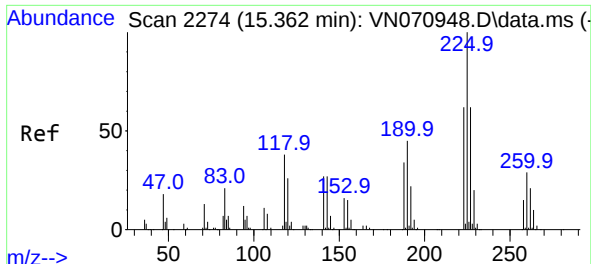
Tgt Ion: 75 Resp: 1247
 Ion Ratio Lower Upper
 75 100
 155 93.7 46.9 140.7
 157 96.9 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 3.173 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.000 min
 Lab File: VN071069.D
 Acq: 25 Feb 2022 13:02

Tgt Ion: 180 Resp: 9195
 Ion Ratio Lower Upper
 180 100
 182 91.8 48.3 144.9
 145 31.7 14.5 43.5

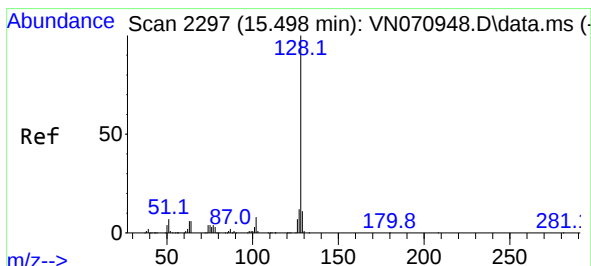
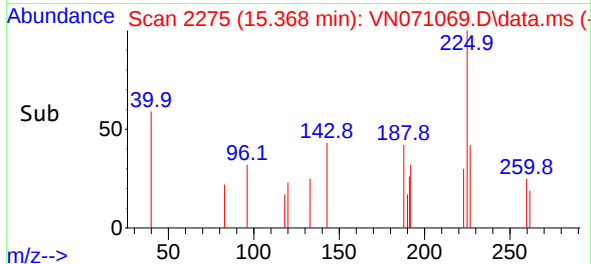
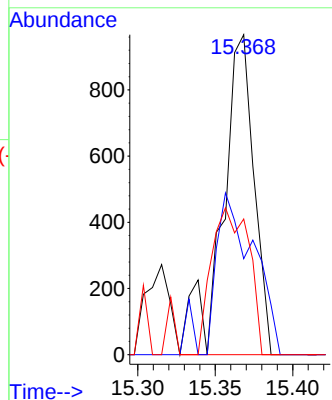
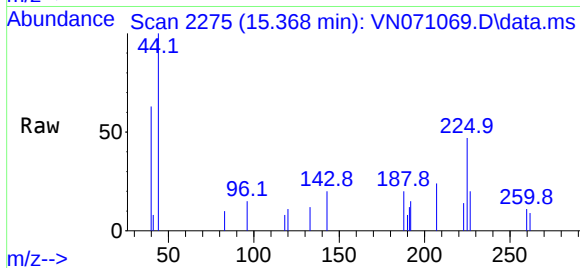




#94
Hexachlorobutadiene
Concen: 0.283 ug/l
RT: 15.368 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

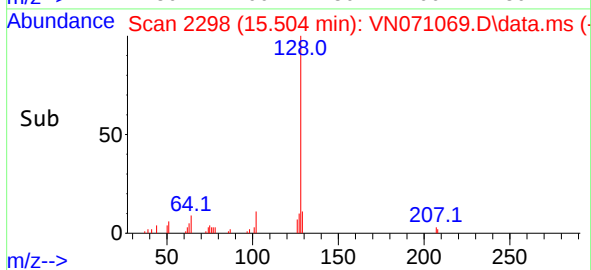
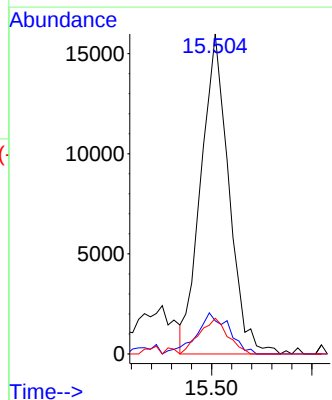
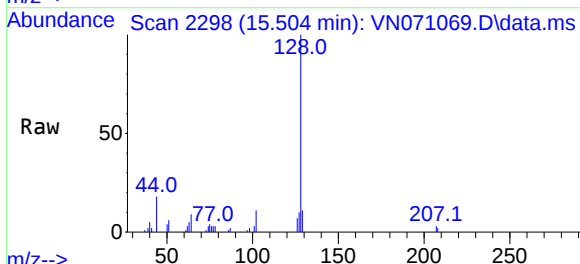
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

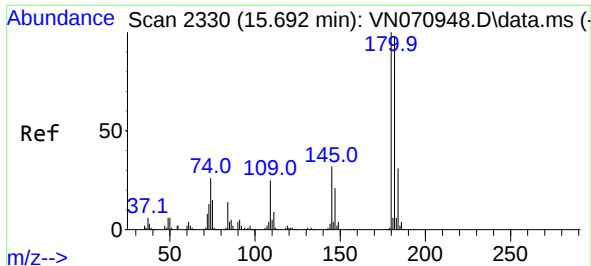
Tgt Ion:225 Resp: 1381
Ion Ratio Lower Upper
225 100
223 58.4 31.9 95.7
227 53.8 32.1 96.3



#95
Naphthalene
Concen: 6.512 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071069.D
Acq: 25 Feb 2022 13:02

Tgt Ion:128 Resp: 30877
Ion Ratio Lower Upper
128 100
127 14.8 10.5 15.7
129 11.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 4.029 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071069.D
 Acq: 25 Feb 2022 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

Tgt Ion:	180	Resp:	11045
Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.4	142.2
145	32.2	15.0	45.1

