

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022322\
 Data File : VN071033.D
 Acq On : 23 Feb 2022 13:17
 Operator : JC\MD
 Sample : VN0223WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBL01

Quant Time: Feb 24 00:39:18 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)

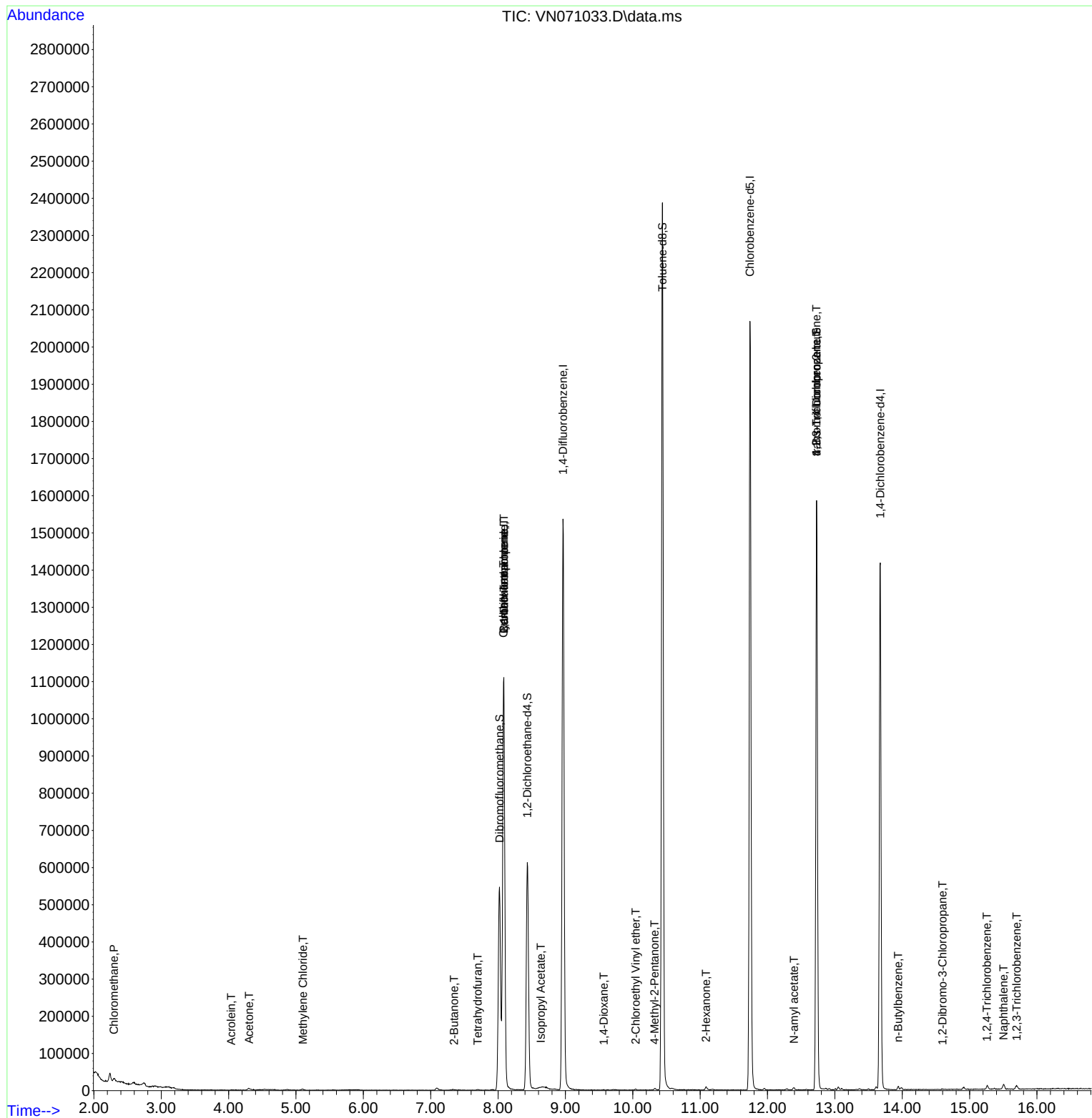
Internal Standards						
1) Pentafluorobenzene	8.086	168	874625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1391151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1229966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	404827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	521192	52.166	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.340%			
35) Dibromofluoromethane	8.022	113	405452	49.000	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.000%			
50) Toluene-d8	10.439	98	1667328	50.175	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.360%			
62) 4-Bromofluorobenzene	12.727	95	550517	46.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.700%			
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2925	0.256	ug/l #	85
13) Acrolein	4.040	56	570	0.350	ug/l #	30
16) Acetone	4.304	43	4884	0.888	ug/l #	86
18) Methyl Acetate	4.869	43	3886	Below Cal	#	71
20) Methylene Chloride	5.104	84	2411	0.241	ug/l #	77
25) 2-Butanone	7.345	43	2972	0.406	ug/l #	88
29) Tetrahydrofuran	7.698	42	1328	0.280	ug/l #	63
31) Cyclohexane	8.081	56	17332	1.003	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	64675	4.771	ug/l #	49
38) Carbon Tetrachloride	8.086	117	83890	6.280	ug/l #	18
43) Isopropyl Acetate	8.634	43	10549	0.460	ug/l #	55
49) 1,4-Dioxane	9.569	88	144	0.747	ug/l #	27
51) 4-Methyl-2-Pentanone	10.322	43	3913	0.281	ug/l #	87
58) 2-Chloroethyl Vinyl ether	10.045	63	1458	32.186	ug/l #	75
59) 2-Hexanone	11.086	43	7410	0.773	ug/l	96
74) N-amyl acetate	12.392	43	4215	0.405	ug/l	94
76) 1,2,3-Trichloropropane	12.727	75	282791	29.668	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	282791	96.140	ug/l #	5
89) n-Butylbenzene	13.939	91	5337	0.242	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	528	0.315	ug/l #	27
93) 1,2,4-Trichlorobenzene	15.257	180	3872	2.498	ug/l	93
95) Naphthalene	15.504	128	12199	5.596	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	4284	3.108	ug/l	96

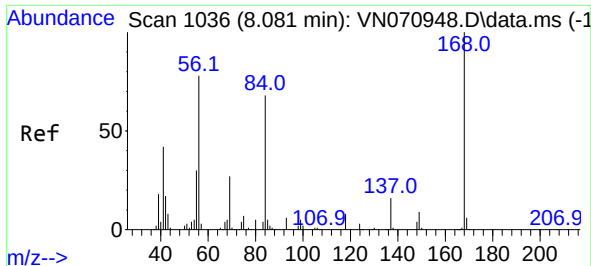
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 24 00:39:18 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

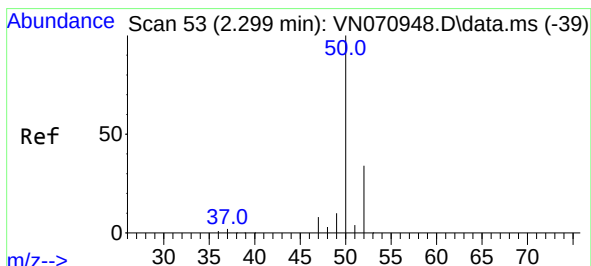
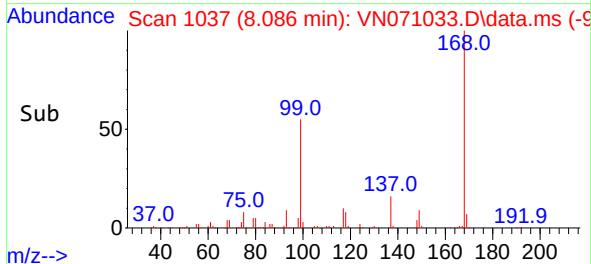
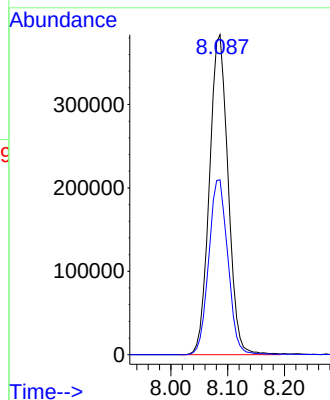
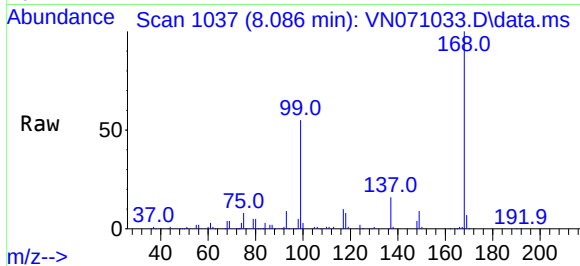




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

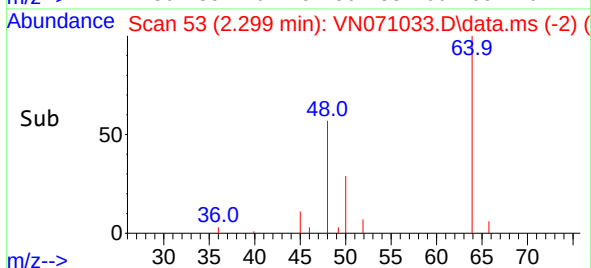
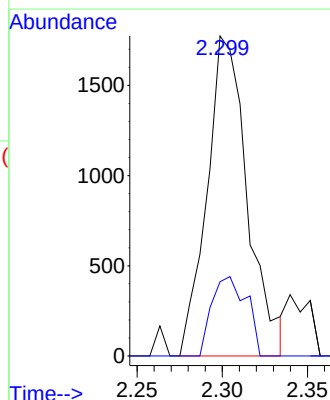
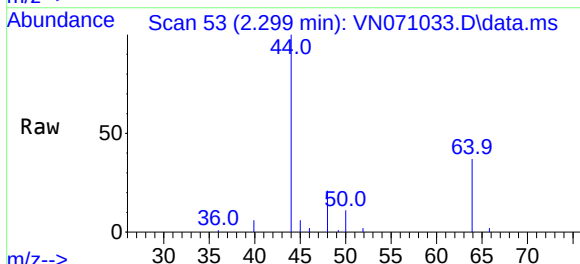
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

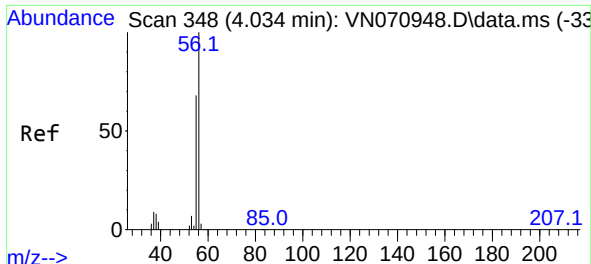
Tgt Ion:168 Resp: 874625
Ion Ratio Lower Upper
168 100
99 54.7 41.3 61.9



#3
Chloromethane
Concen: 0.256 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion: 50 Resp: 2925
Ion Ratio Lower Upper
50 100
52 23.2 25.4 38.0#

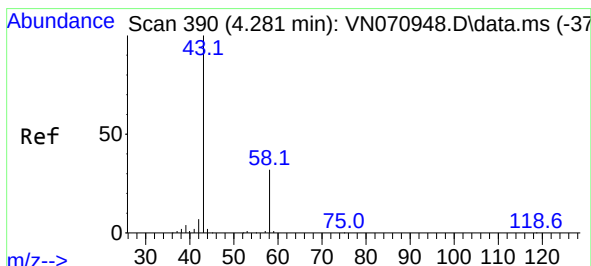
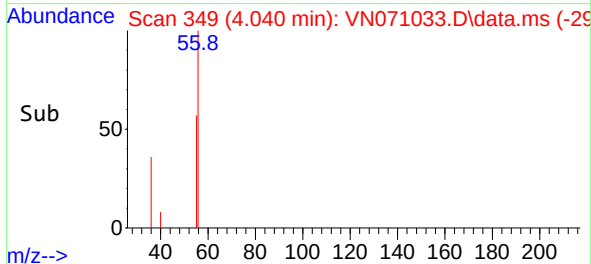
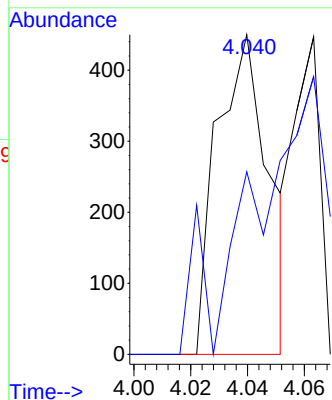
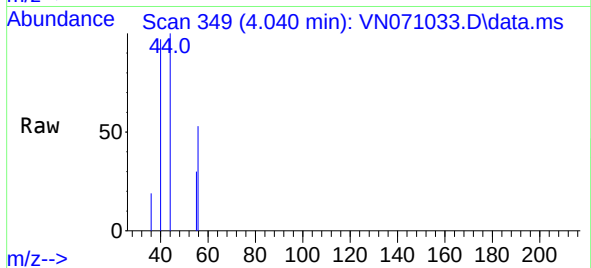




#13
Acrolein
Concen: 0.350 ug/l
RT: 4.040 min Scan# 348
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

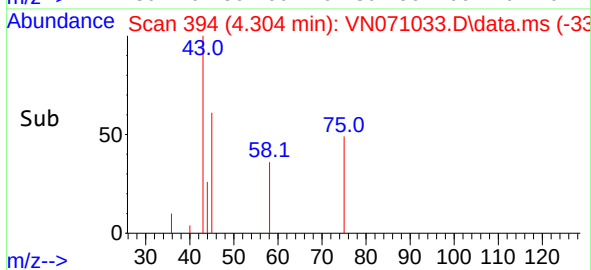
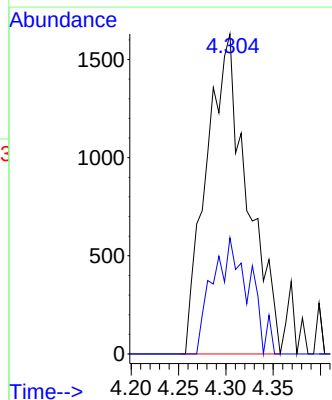
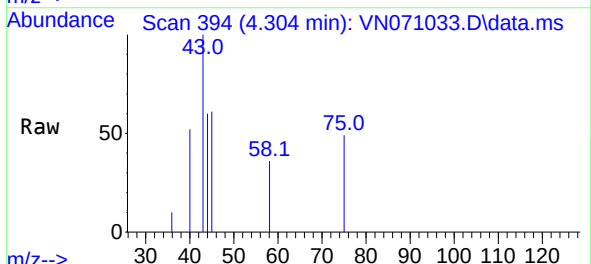
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

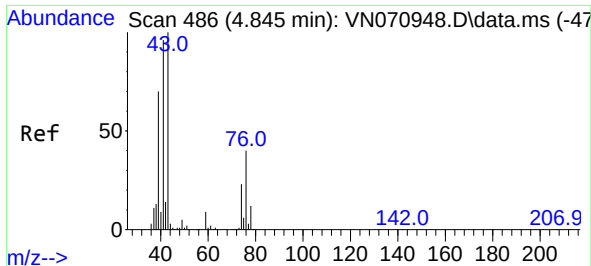
Tgt Ion: 56 Resp: 570
Ion Ratio Lower Upper
56 100
55 13.0 56.6 85.0#



#16
Acetone
Concen: 0.888 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.024 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion: 43 Resp: 4884
Ion Ratio Lower Upper
43 100
58 36.3 23.1 34.7#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.869 min Scan# 490

Delta R.T. 0.024 min

Lab File: VN071033.D

Acq: 23 Feb 2022 13:17

Instrument :

MSVOA_N

ClientSampleId :

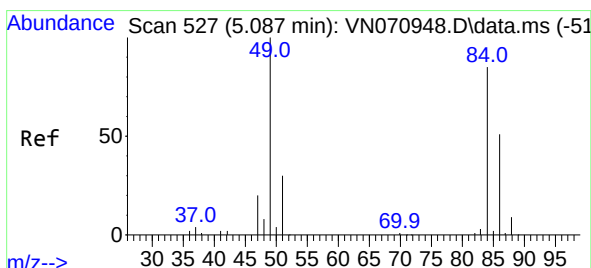
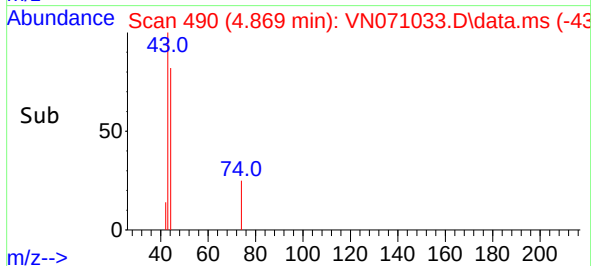
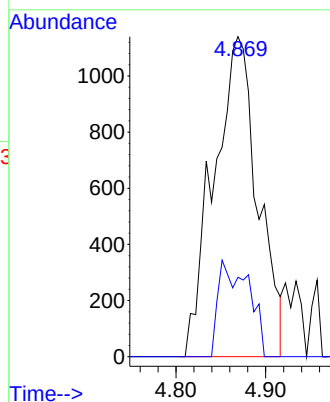
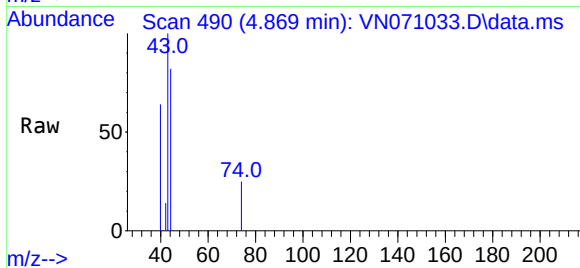
VN0223WBL01

Tgt Ion: 43 Resp: 3886

Ion Ratio Lower Upper

43 100

74 9.8 19.4 29.2#



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 5.104 min Scan# 530

Delta R.T. 0.018 min

Lab File: VN071033.D

Acq: 23 Feb 2022 13:17

Tgt Ion: 84 Resp: 2411

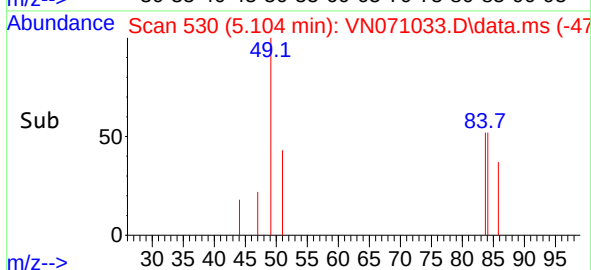
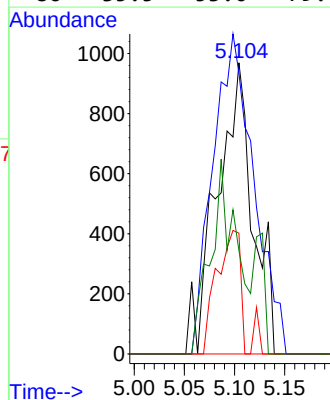
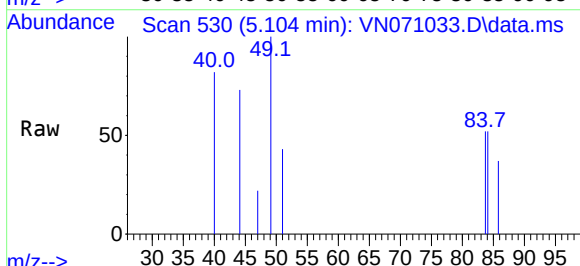
Ion Ratio Lower Upper

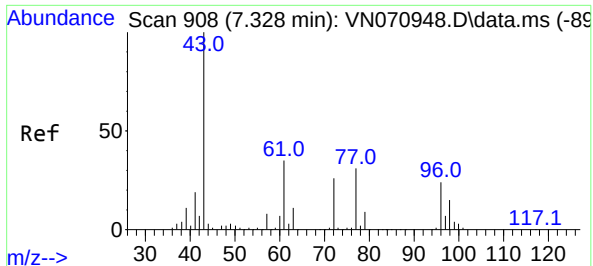
84 100

49 96.5 93.5 140.3

51 41.5 29.4 44.2

86 35.5 53.0 79.4#





#25

2-Butanone

Concen: 0.406 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN071033.D

Acq: 23 Feb 2022 13:17

Instrument :

MSVOA_N

ClientSampleId :

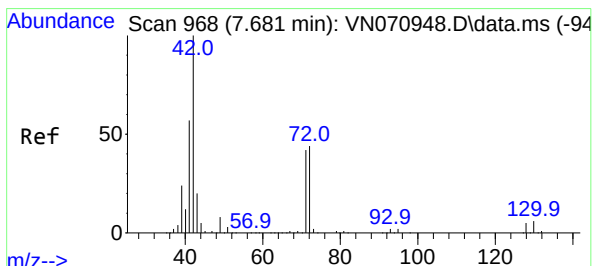
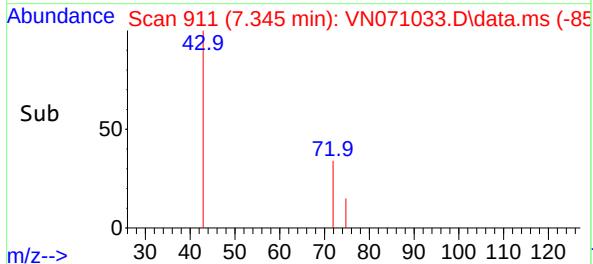
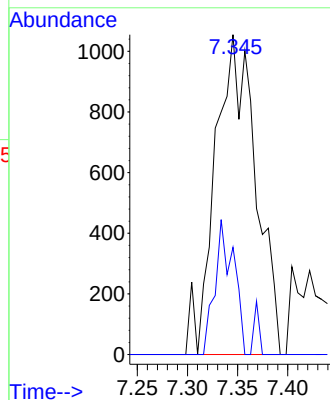
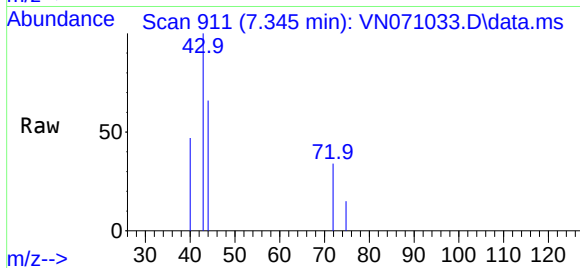
VN0223WBL01

Tgt Ion: 43 Resp: 2972

Ion Ratio Lower Upper

43 100

72 33.6 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.280 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.018 min

Lab File: VN071033.D

Acq: 23 Feb 2022 13:17

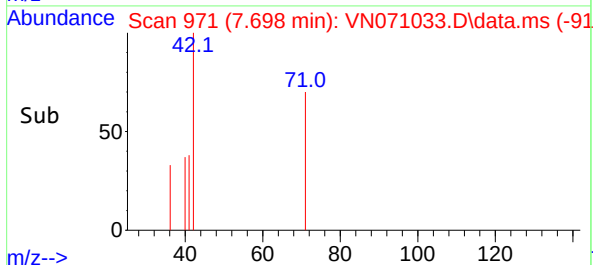
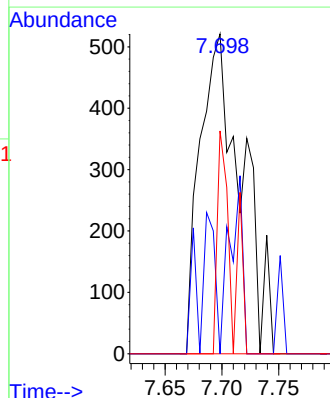
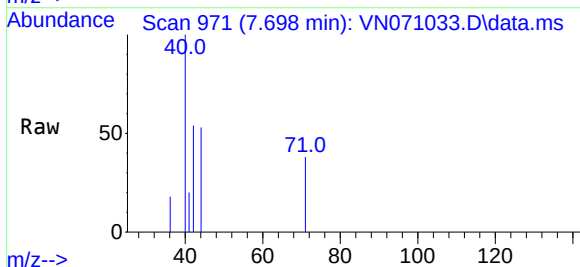
Tgt Ion: 42 Resp: 1328

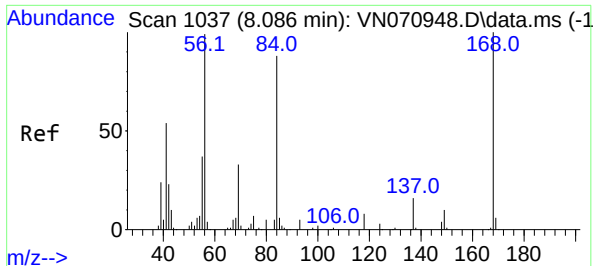
Ion Ratio Lower Upper

42 100

72 16.9 36.3 54.5#

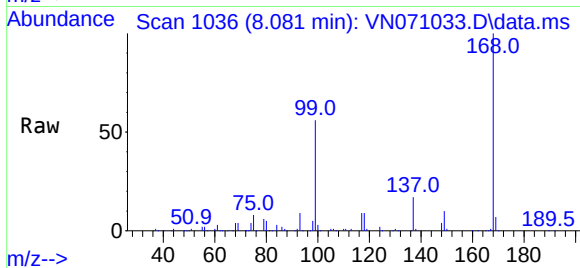
71 23.9 34.7 52.1#



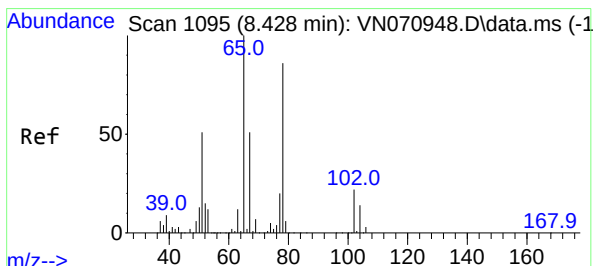
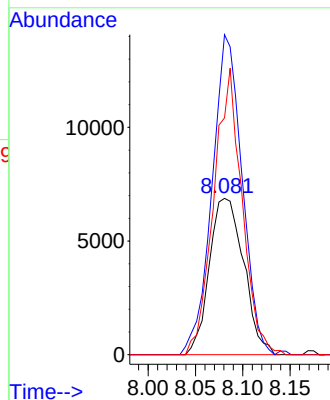
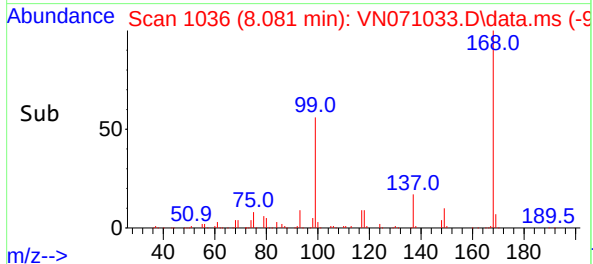


#31
Cyclohexane
Concen: 1.003 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

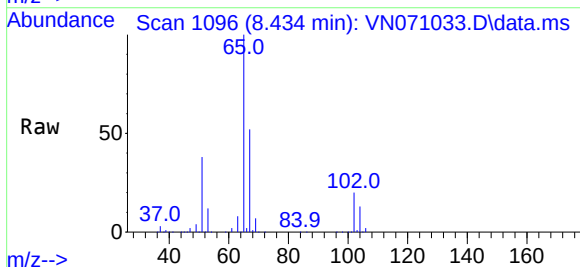
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01



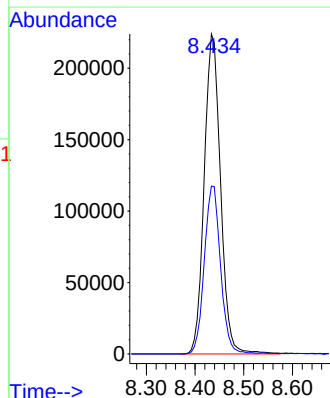
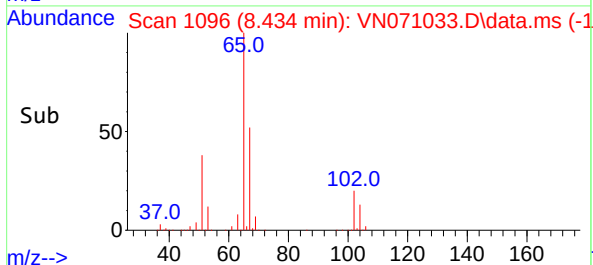
Tgt Ion: 56 Resp: 17332
Ion Ratio Lower Upper
56 100
69 204.7 27.1 40.7#
84 151.4 73.4 110.0#

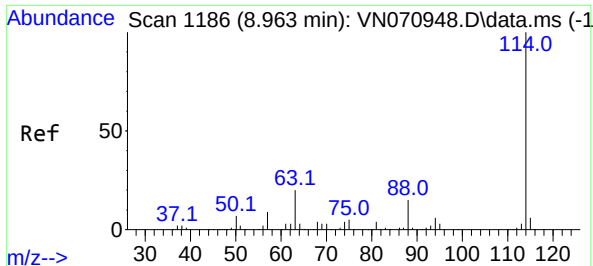


#33
1,2-Dichloroethane-d4
Concen: 52.166 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17



Tgt Ion: 65 Resp: 521192
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0

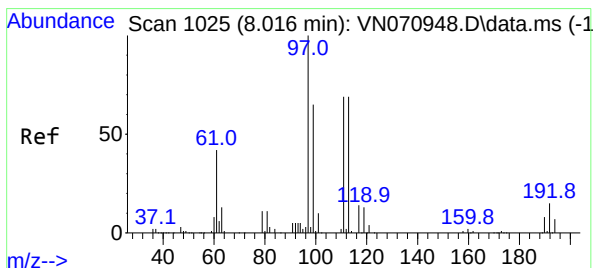
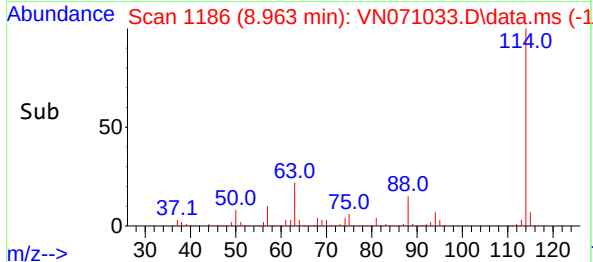
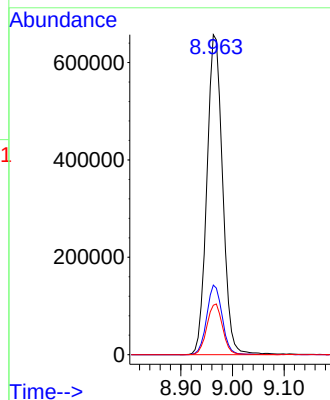
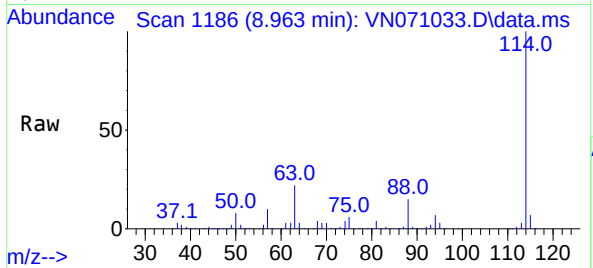




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

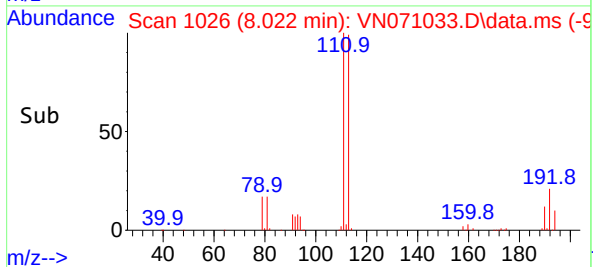
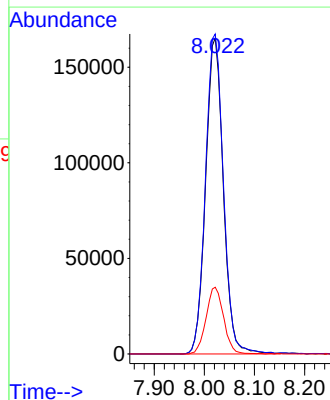
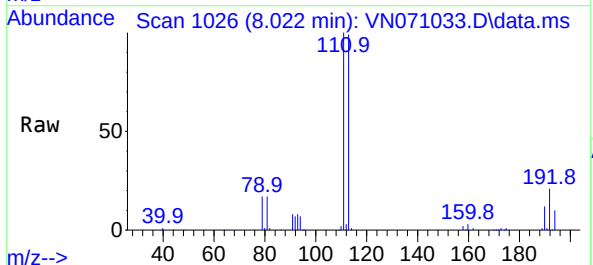
Instrument :
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VN0223WBL01

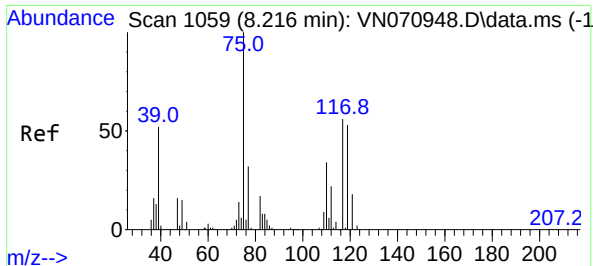
Tgt Ion:114 Resp: 1391151
Ion Ratio Lower Upper
114 100
63 21.8 0.0 37.8
88 15.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.000 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion:113 Resp: 405452
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 20.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.771 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071033.D

Acq: 23 Feb 2022 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0223WBL01

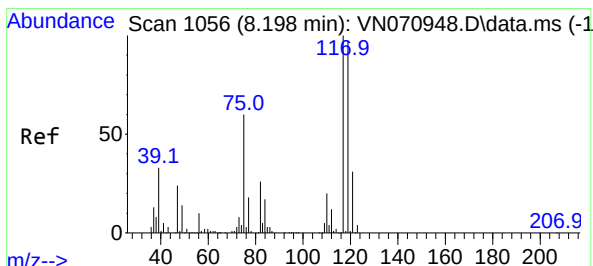
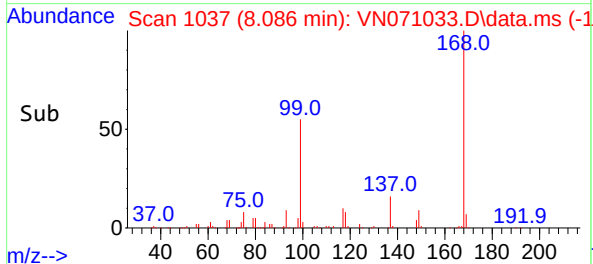
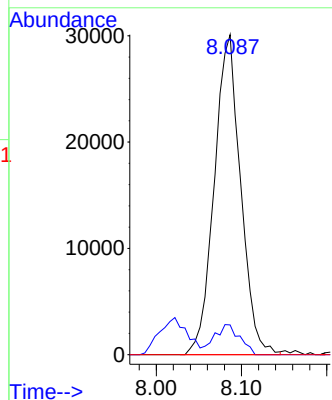
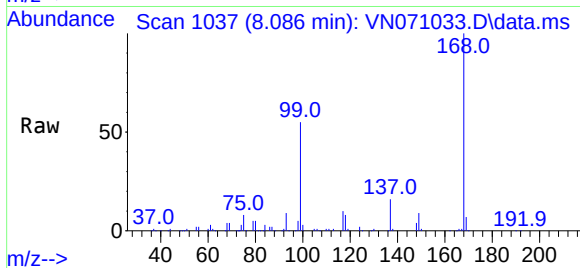
Tgt Ion: 75 Resp: 64675

Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.280 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.112 min

Lab File: VN071033.D

Acq: 23 Feb 2022 13:17

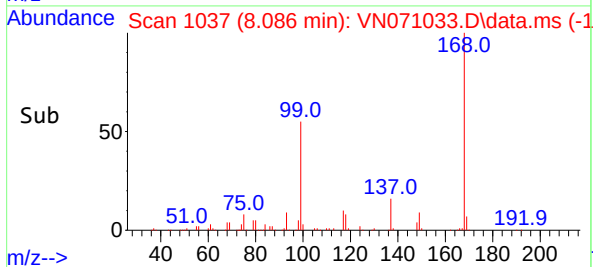
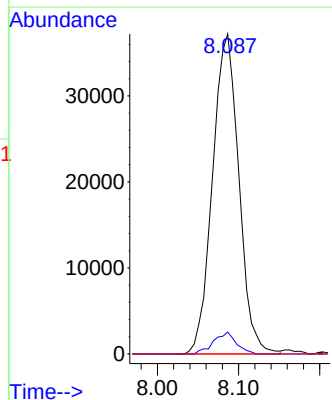
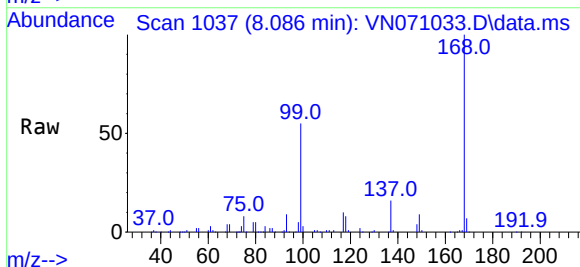
Tgt Ion: 117 Resp: 83890

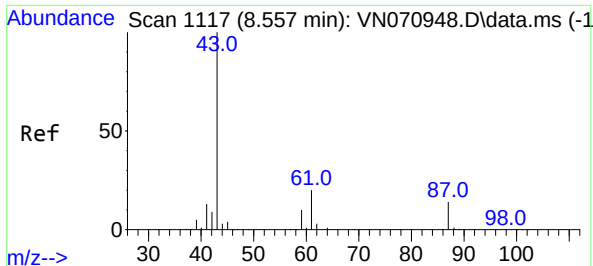
Ion Ratio Lower Upper

117 100

119 6.8 76.1 114.1#

121 0.0 24.2 36.2#

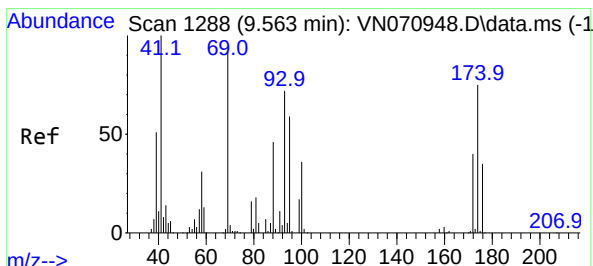
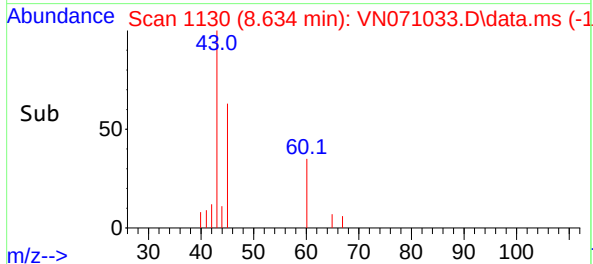
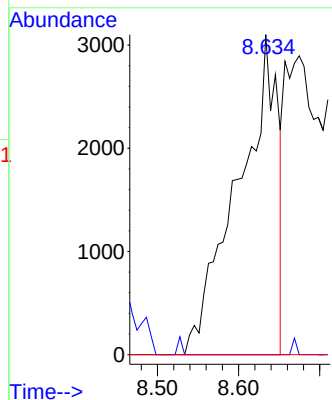
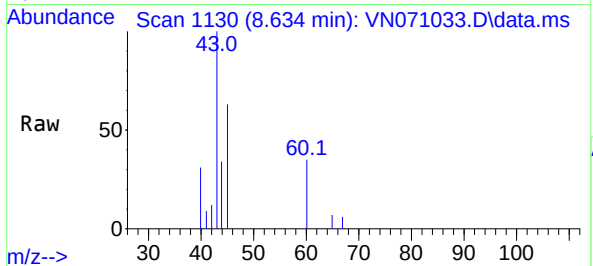




#43
Isopropyl Acetate
Concen: 0.460 ug/l
RT: 8.634 min Scan# 1117
Delta R.T. 0.077 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

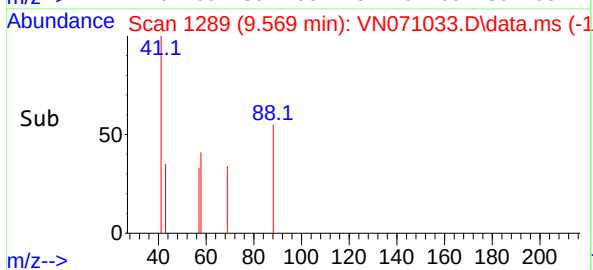
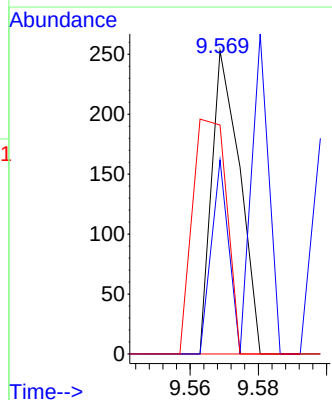
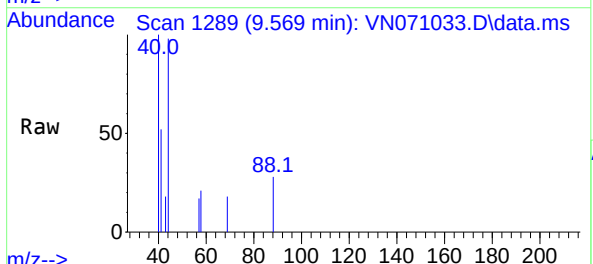
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

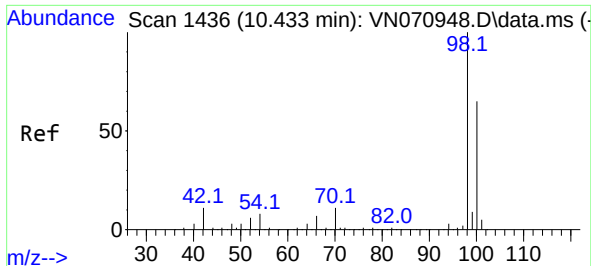
Tgt Ion: 43 Resp: 10549
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#49
1,4-Dioxane
Concen: 0.747 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 104.9 23.4 35.2#
58 95.1 50.6 75.8#

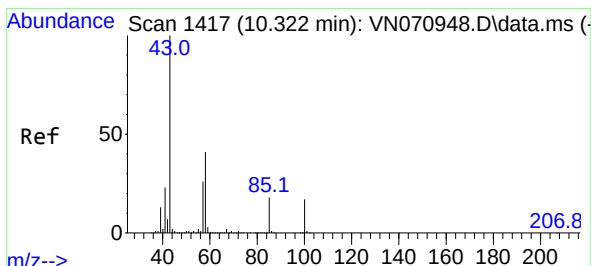
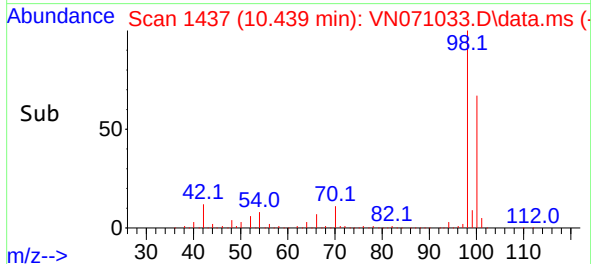
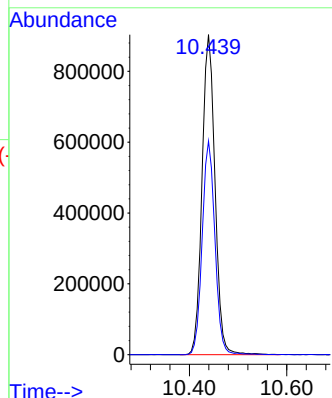
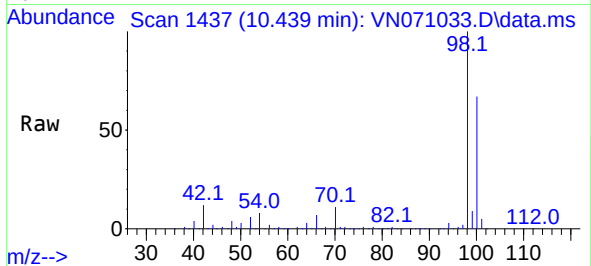




#50
Toluene-d8
Concen: 50.175 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

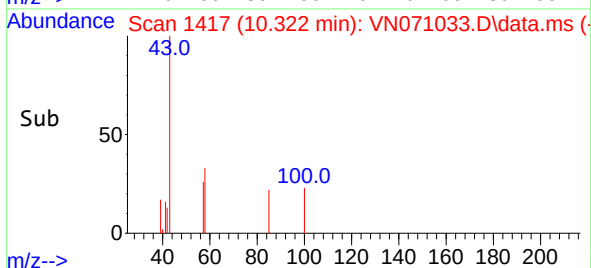
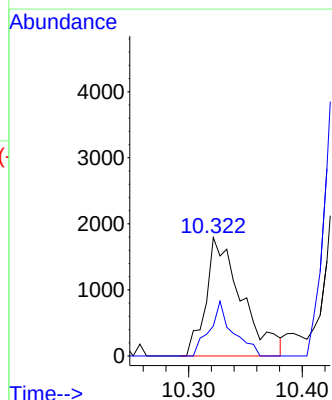
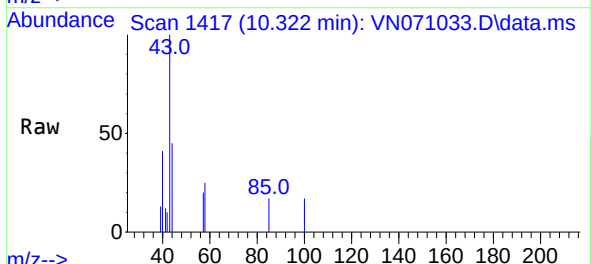
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

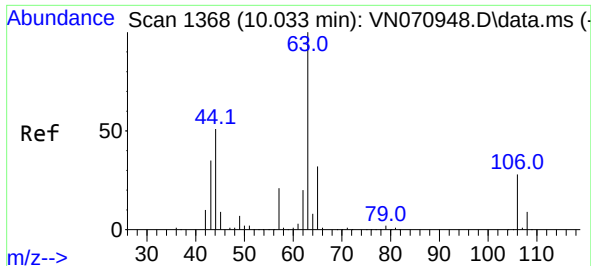
Tgt Ion: 98 Resp: 1667328
Ion Ratio Lower Upper
98 100
100 65.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.281 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. 0.000 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion: 43 Resp: 3913
Ion Ratio Lower Upper
43 100
58 29.9 30.4 45.6#

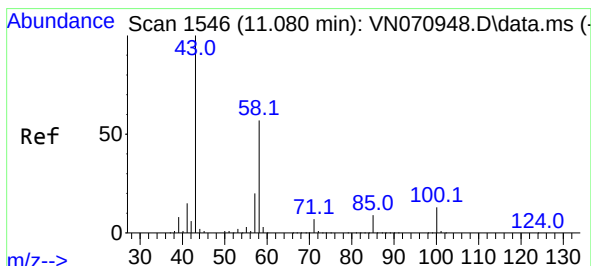
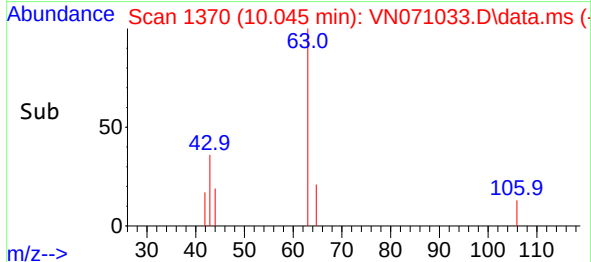
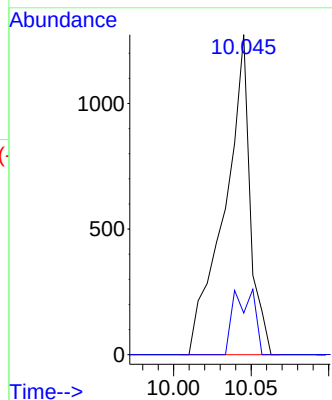
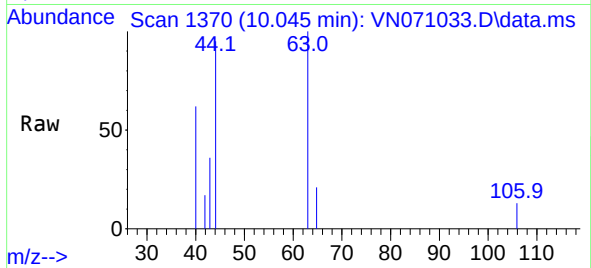




#58
2-Chloroethyl Vinyl ether
Concen: 32.186 ug/l
RT: 10.045 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

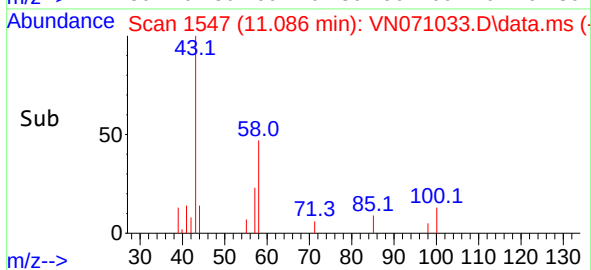
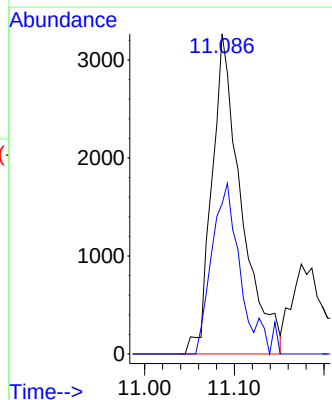
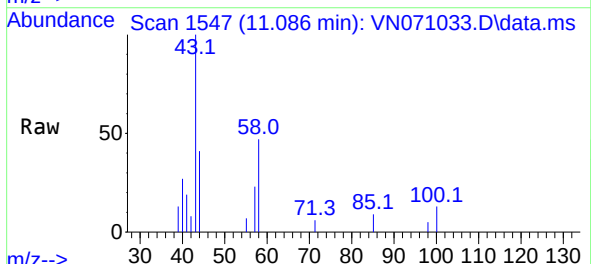
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

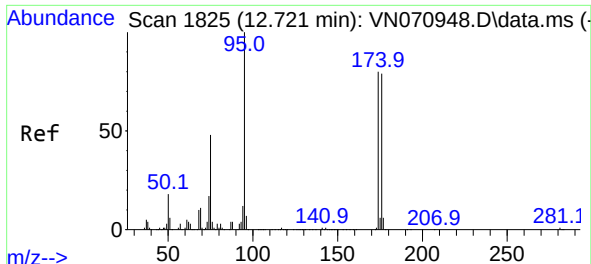
Tgt Ion: 63 Resp: 1458
Ion Ratio Lower Upper
63 100
106 16.5 23.9 35.9#



#59
2-Hexanone
Concen: 0.773 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion: 43 Resp: 7410
Ion Ratio Lower Upper
43 100
58 50.9 26.9 80.7

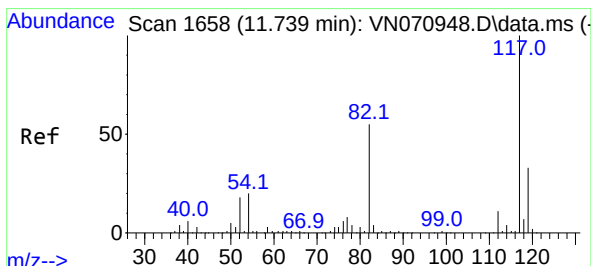
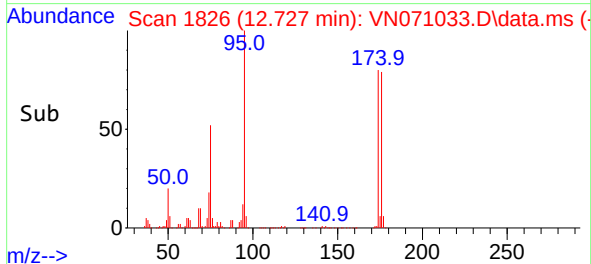
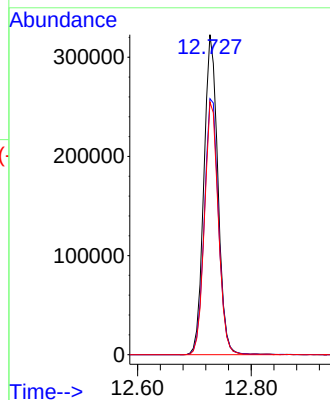
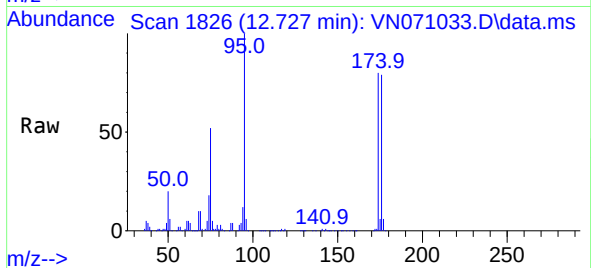




#62
4-Bromofluorobenzene
Concen: 46.348 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

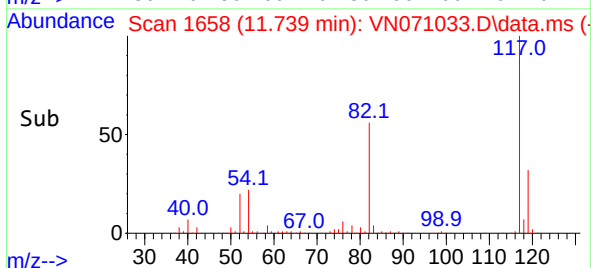
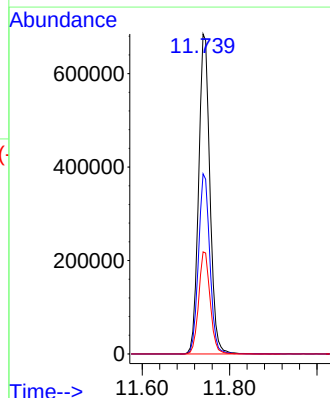
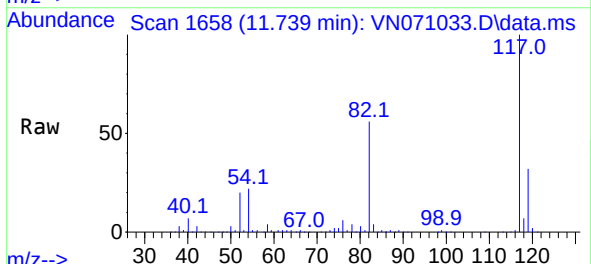
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

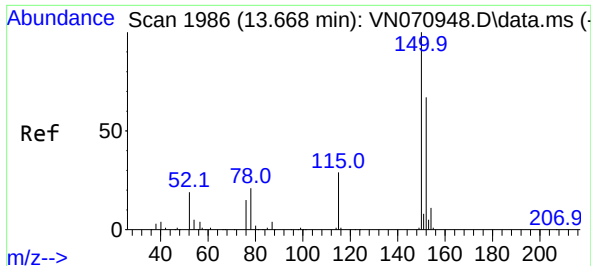
Tgt Ion: 95 Resp: 550517
Ion Ratio Lower Upper
95 100
174 81.1 0.0 187.2
176 78.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion: 117 Resp: 1229966
Ion Ratio Lower Upper
117 100
82 56.3 42.4 63.6
119 31.9 25.4 38.2

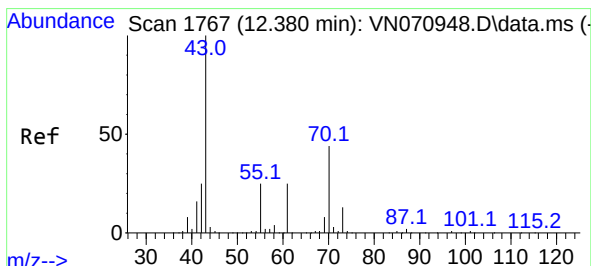
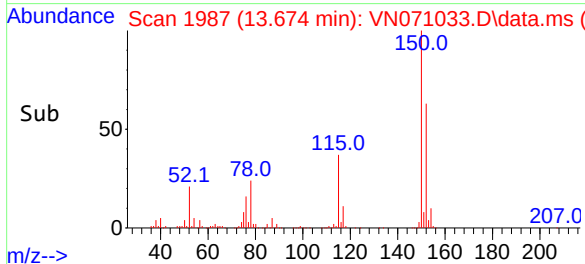
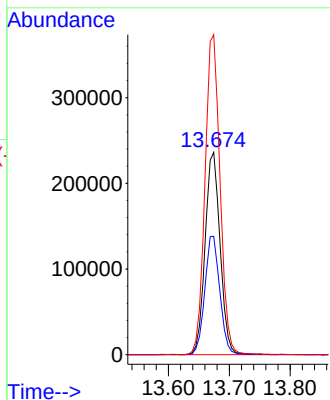
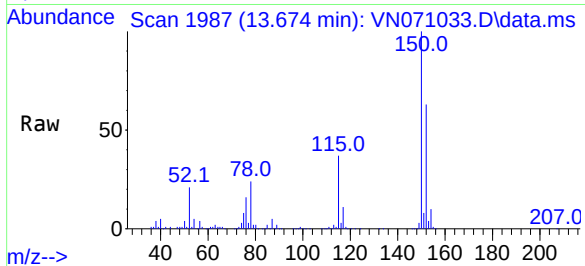




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

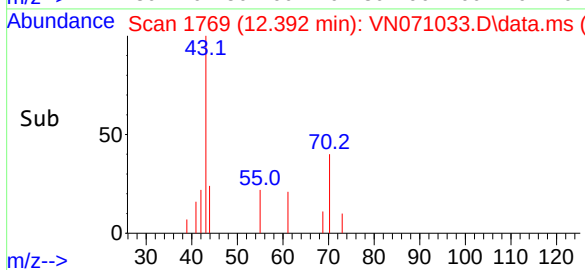
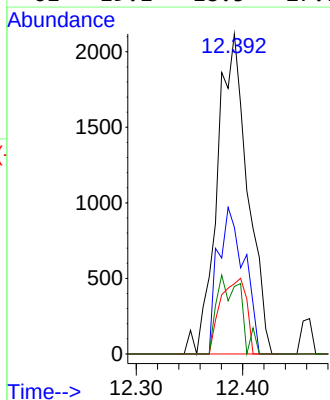
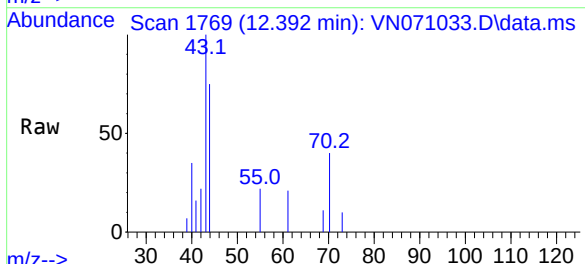
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

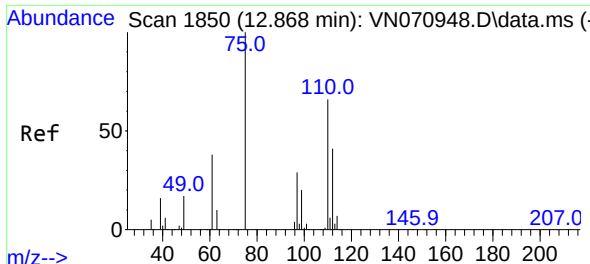
Tgt Ion:152 Resp: 404827
Ion Ratio Lower Upper
152 100
115 58.7 27.5 82.5
150 158.2 0.0 344.4



#74
N-ethyl acetate
Concen: 0.405 ug/l
RT: 12.392 min Scan# 1769
Delta R.T. 0.012 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion: 43 Resp: 4215
Ion Ratio Lower Upper
43 100
70 39.4 33.4 50.0
55 19.9 19.3 28.9
61 19.1 18.5 27.7

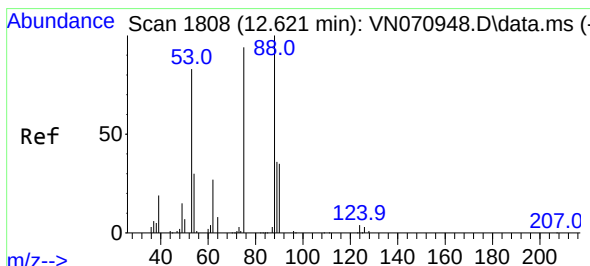
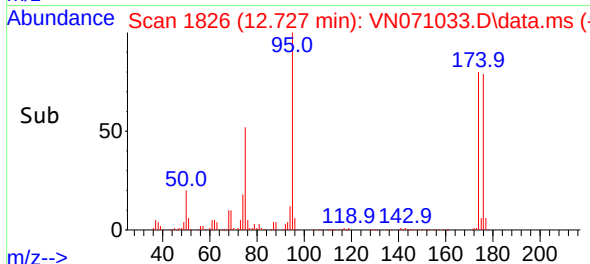
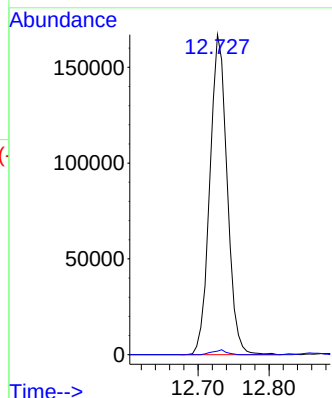
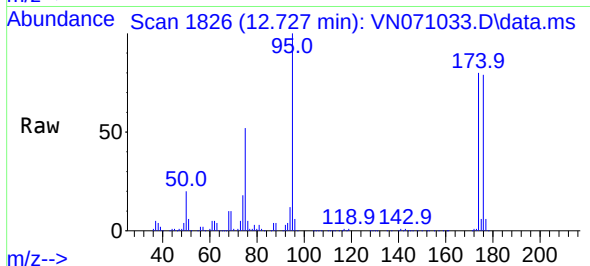




#76
1,2,3-Trichloropropane
Concen: 29.668 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

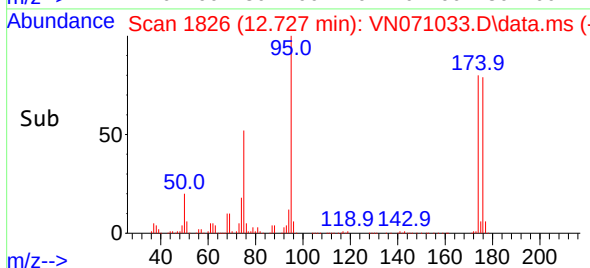
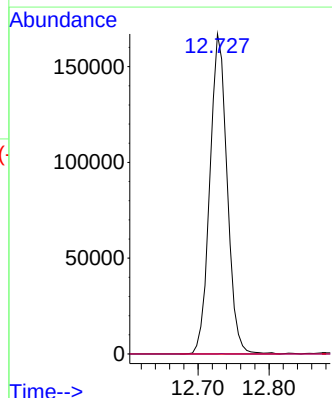
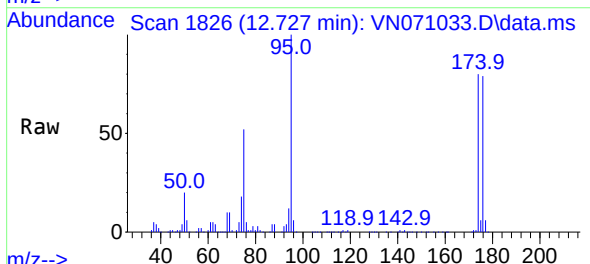
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

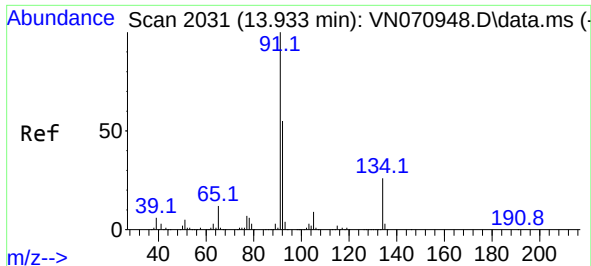
Tgt Ion: 75 Resp: 282791
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.140 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion: 75 Resp: 282791
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

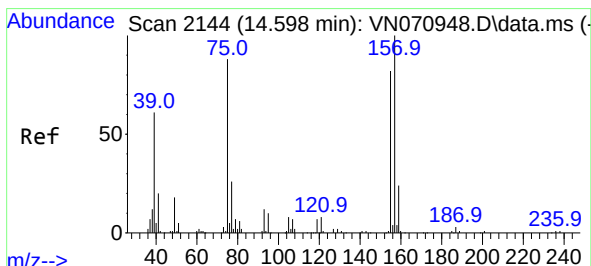
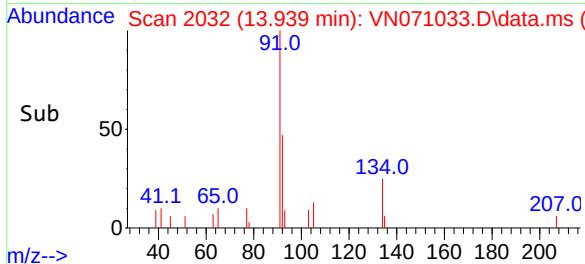
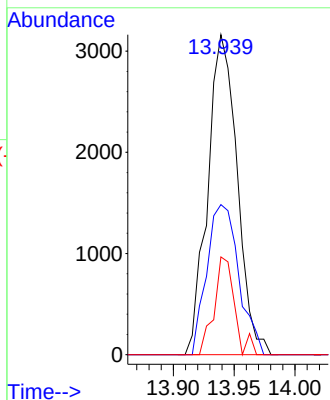
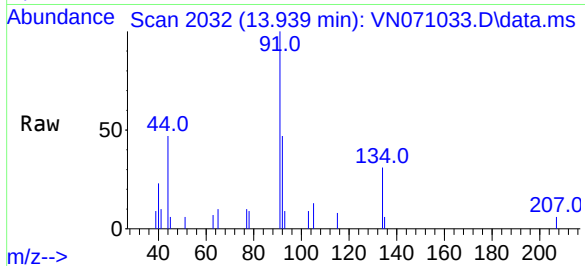




#89
n-Butylbenzene
Concen: 0.242 ug/l
RT: 13.939 min Scan# 2031
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

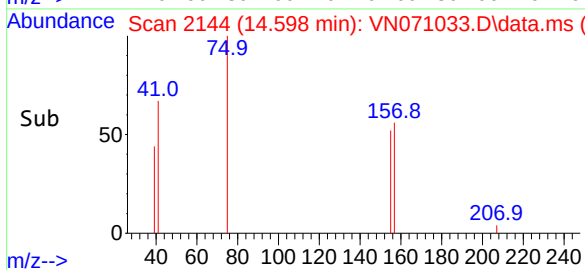
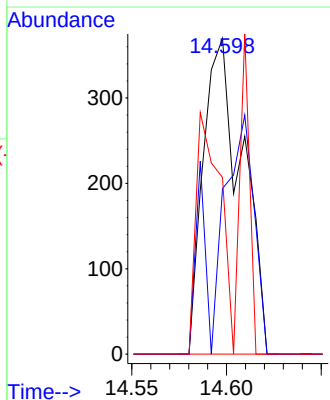
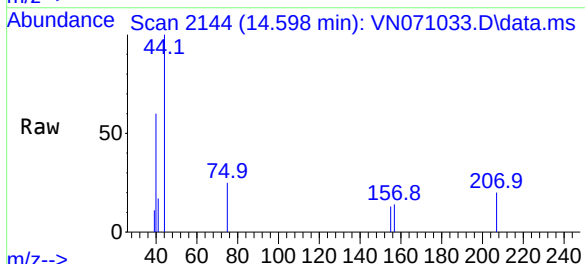
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

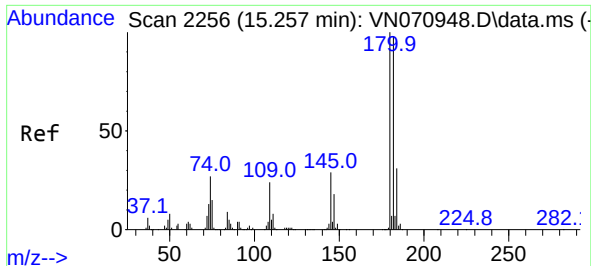
Tgt Ion: 91	Resp: 5337
Ion Ratio	Lower Upper
91	100
92	50.9 25.4 76.0
134	21.0 13.6 40.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.315 ug/l
RT: 14.598 min Scan# 2144
Delta R.T. 0.000 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion: 75	Resp: 528
Ion Ratio	Lower Upper
75	100
155	15.2 46.9 140.7#
157	47.7 60.6 181.7#

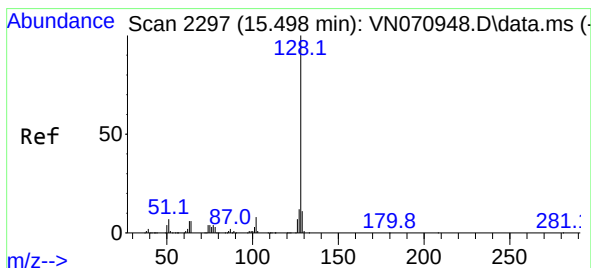
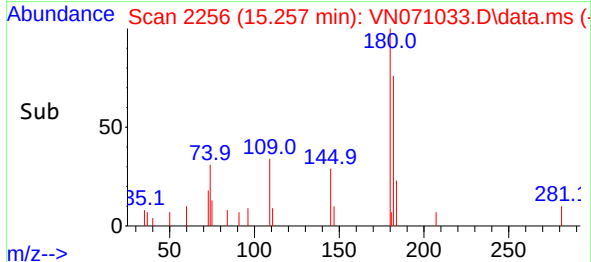
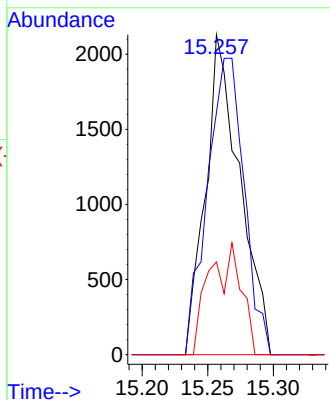
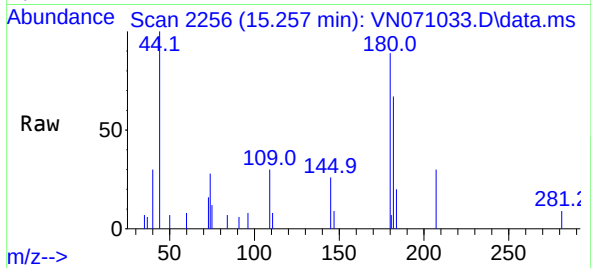




#93
1,2,4-Trichlorobenzene
Concen: 2.498 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

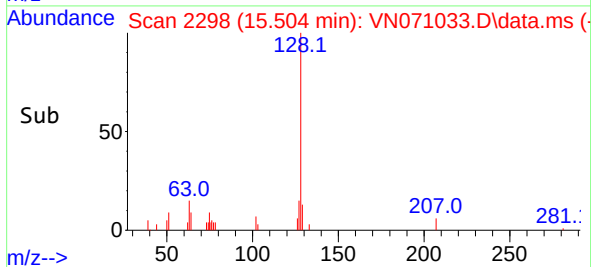
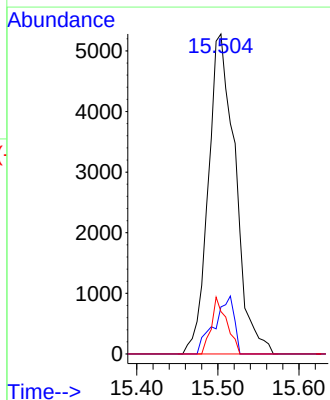
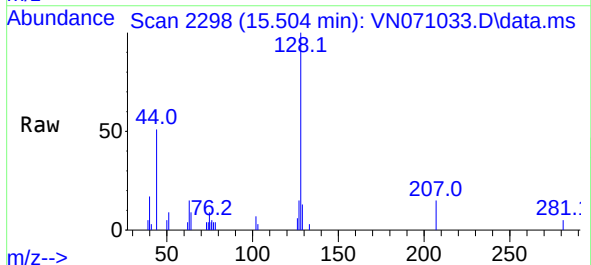
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

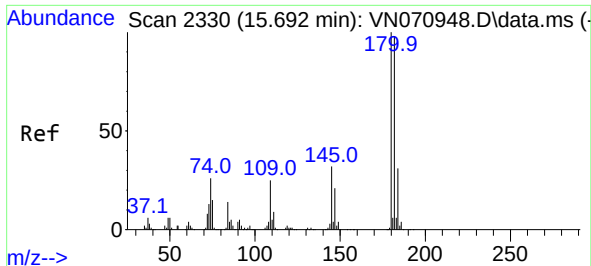
Tgt Ion:	180	Resp:	3872
Ion	Ratio	Lower	Upper
180	100		
182	99.5	48.3	144.9
145	18.2	14.5	43.5



#95
Naphthalene
Concen: 5.596 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071033.D
Acq: 23 Feb 2022 13:17

Tgt Ion:	128	Resp:	12199
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.1	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 3.108 ug/l

RT: 15.698 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071033.D

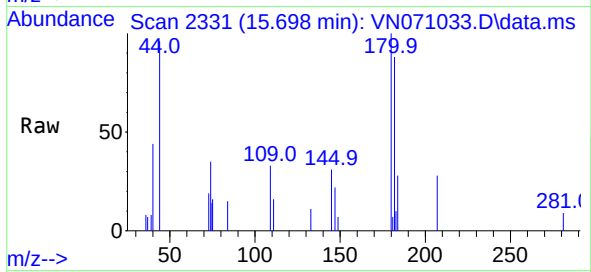
Acq: 23 Feb 2022 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0223WBL01



Tgt Ion:180 Resp: 4284

Ion Ratio Lower Upper

180 100

182 91.5 47.4 142.2

145 33.4 15.0 45.1

