

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069892.D
 Acq On : 9 Dec 2021 5:11
 Operator : JC/MD
 Sample : M4959-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1D

Quant Time: Dec 09 11:58:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

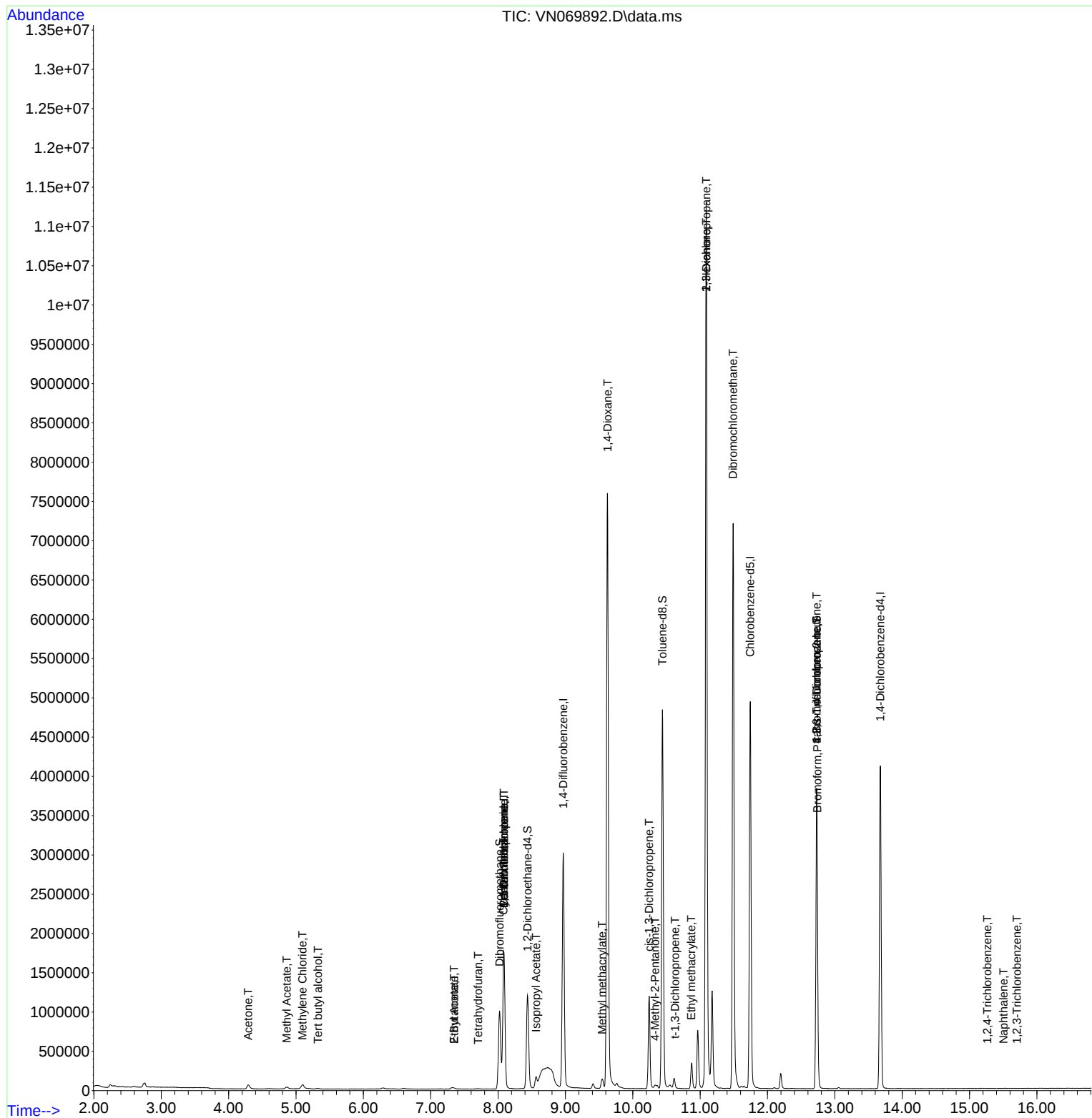
Internal Standards						
1) Pentafluorobenzene	8.086	168	1306866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2455165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2728889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1095376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1032046	51.147	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.300%			
35) Dibromofluoromethane	8.021	113	720738	46.866	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.740%			
50) Toluene-d8	10.440	98	3218140	52.115	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.731	95	1304833	58.328	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.660%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.329	59	2069	0.542	ug/l #	71
16) Acetone	4.291	43	93799	7.728	ug/l	99
18) Methyl Acetate	4.862	43	49004	1.338	ug/l #	68
20) Methylene Chloride	5.095	84	34779	2.155	ug/l #	88
25) 2-Butanone	7.345	43	16103	0.976	ug/l	96
29) Tetrahydrofuran	7.705	42	5246	0.524	ug/l #	72
31) Cyclohexane	8.080	56	34892	1.243	ug/l #	51
36) 1,1-Dichloropropene	8.086	75	112407	4.809	ug/l #	49
37) Ethyl Acetate	7.345	43	16103	0.463	ug/l #	68
38) Carbon Tetrachloride	8.086	117	135644	5.918	ug/l #	16
43) Isopropyl Acetate	8.563	43	173371	3.368	ug/l #	81
48) Methyl methacrylate	9.545	41	35822	1.491	ug/l #	8
49) 1,4-Dioxane	9.625	88	1046	2.427	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	20123	0.603	ug/l	89
53) t-1,3-Dichloropropene	10.628	75	169	2.800	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	186044	7.938	ug/l #	73
56) Ethyl methacrylate	10.870	69	958	2.307	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	112990	3.646	ug/l #	43
59) 2-Hexanone	11.089	43	1999272	79.139	ug/l #	48
60) Dibromochloromethane	11.489	129	537	2.403	ug/l #	11
71) Bromoform	12.739	173	3507	2.930	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	729967	23.238	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	729967	73.938	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	256	2.891	ug/l #	37
95) Naphthalene	15.504	128	894	4.000	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.702	180	253	2.449	ug/l	61

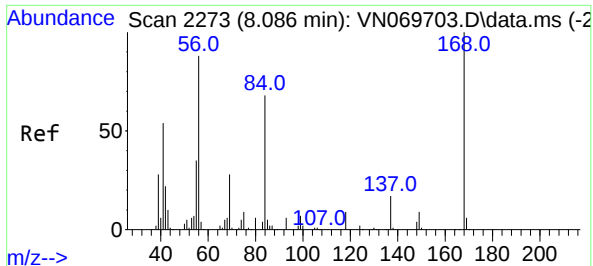
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
Data File : VN069892.D
Acq On : 9 Dec 2021 5:11
Operator : JC/MD
Sample : M4959-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-1D

Quant Time: Dec 09 11:58:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

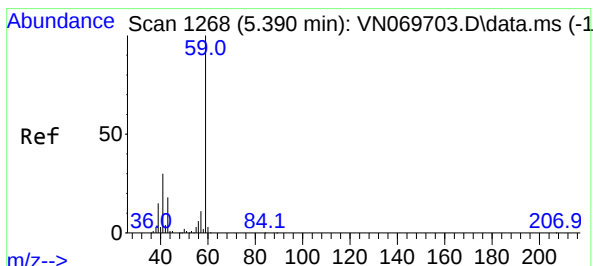
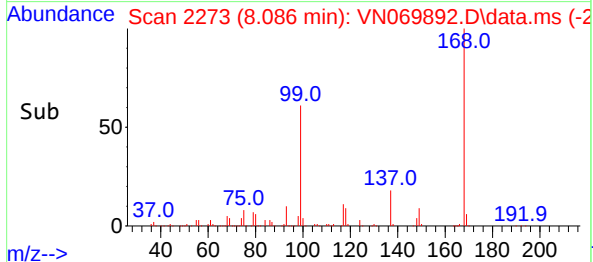
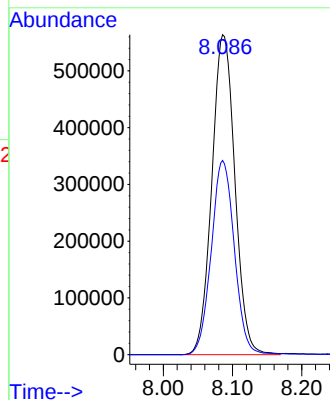
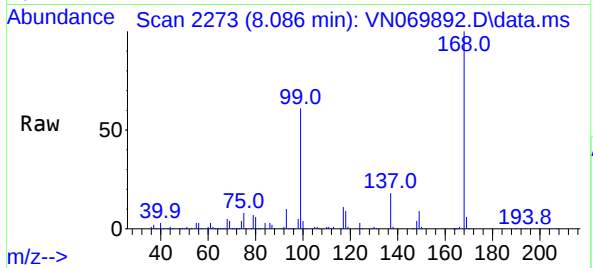




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

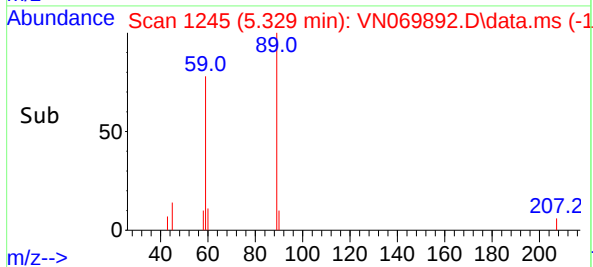
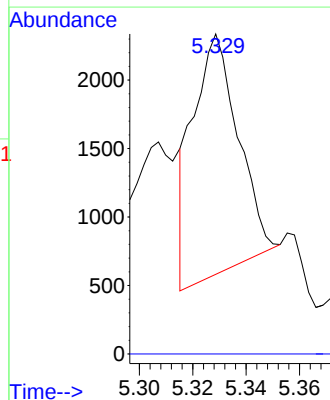
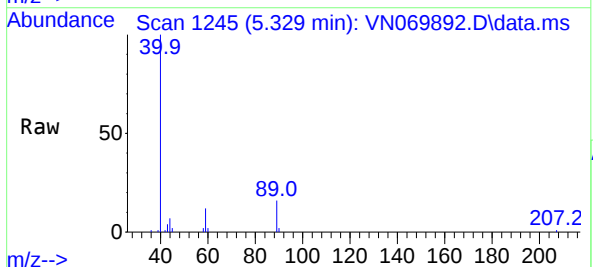
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

Tgt Ion:168 Resp: 1306866
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.542 ug/l
RT: 5.329 min Scan# 1245
Delta R.T. -0.062 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion: 59 Resp: 2069
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

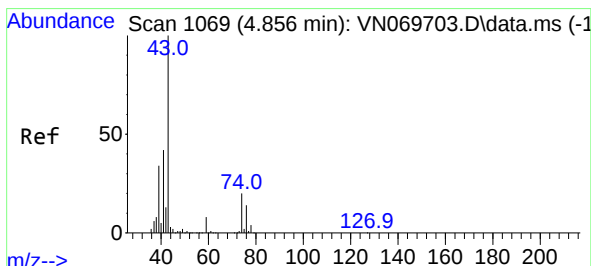
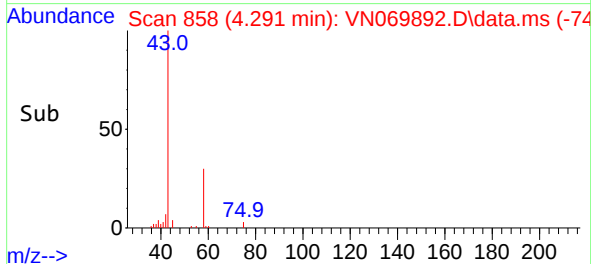
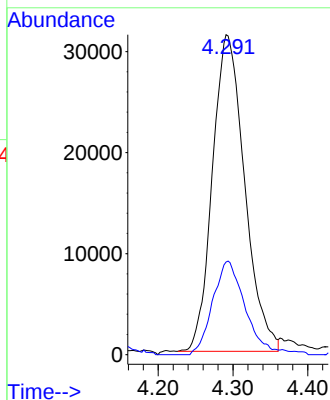
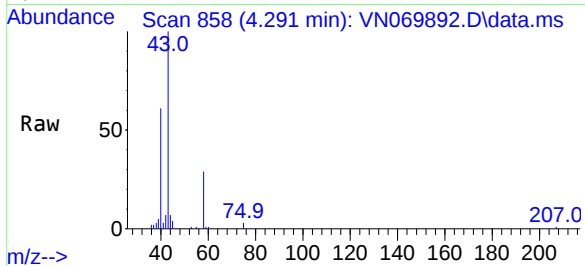




#16
Acetone
Concen: 7.728 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

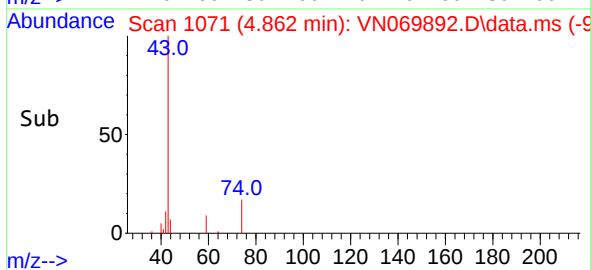
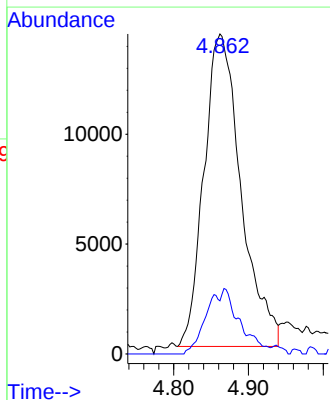
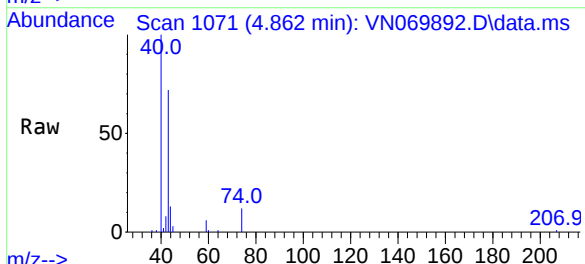
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

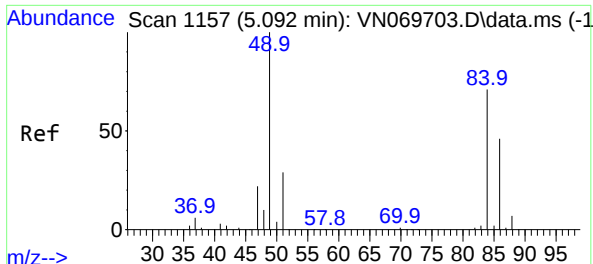
Tgt Ion: 43 Resp: 93799
Ion Ratio Lower Upper
43 100
58 29.3 23.1 34.7



#18
Methyl Acetate
Concen: 1.338 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion: 43 Resp: 49004
Ion Ratio Lower Upper
43 100
74 8.4 19.4 29.2#





#20

Methylene Chloride

Concen: 2.155 ug/l

RT: 5.095 min Scan# 1157

Delta R.T. 0.003 min

Lab File: VN069892.D

Acq: 9 Dec 2021 5:11

Instrument :

MSVOA_N

ClientSampleId :

TP-1D

Tgt Ion: 84 Resp: 34779

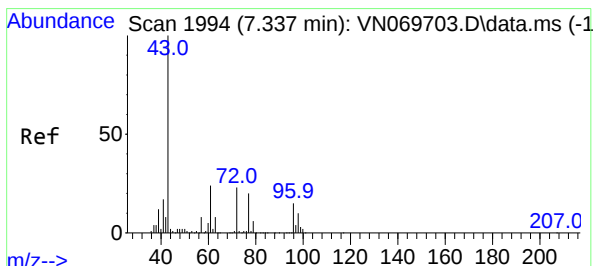
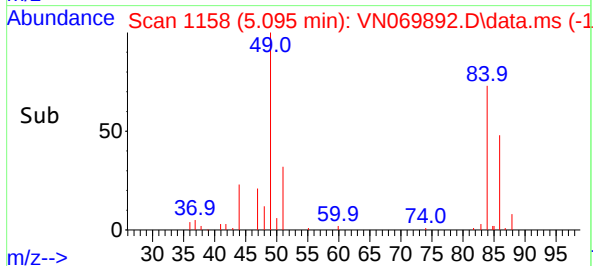
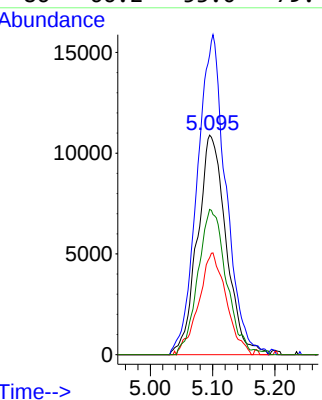
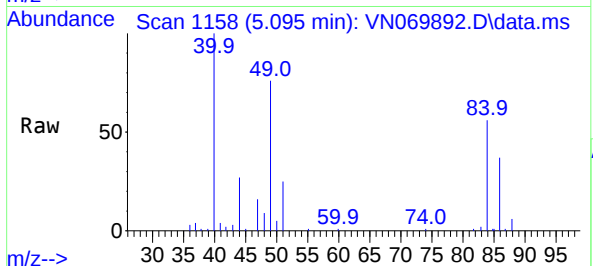
Ion Ratio Lower Upper

84 100

49 136.5 93.5 140.3

51 44.2 29.4 44.2#

86 66.2 53.0 79.4



#25

2-Butanone

Concen: 0.976 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. 0.008 min

Lab File: VN069892.D

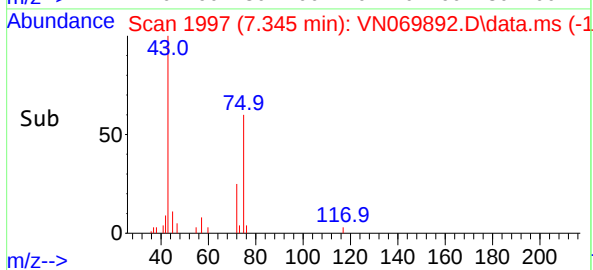
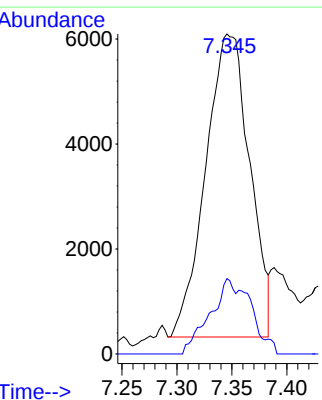
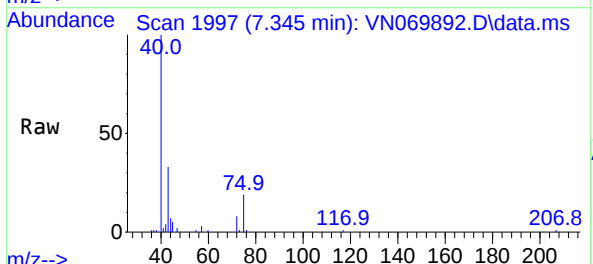
Acq: 9 Dec 2021 5:11

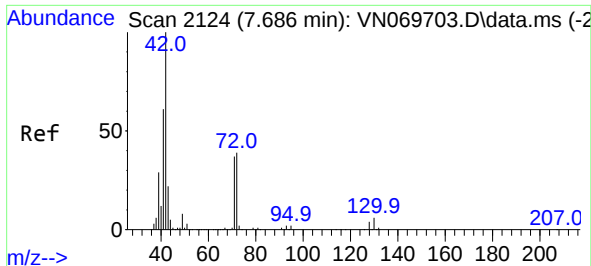
Tgt Ion: 43 Resp: 16103

Ion Ratio Lower Upper

43 100

72 24.9 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.524 ug/l

RT: 7.705 min Scan# 21

Delta R.T. 0.019 min

Lab File: VN069892.D

Acq: 9 Dec 2021 5:11

Instrument :

MSVOA_N

ClientSampleId :

TP-1D

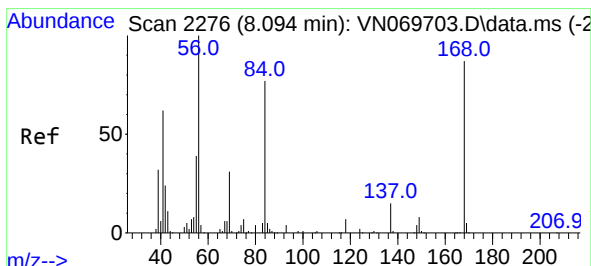
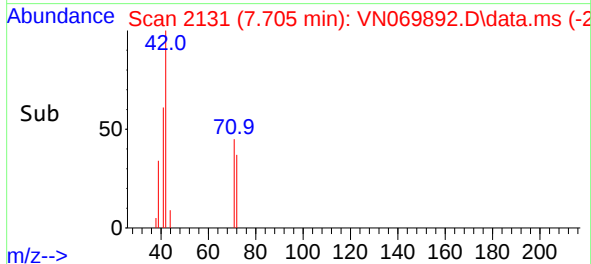
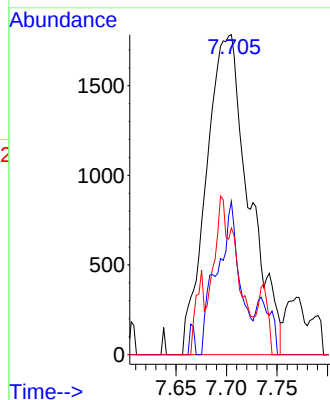
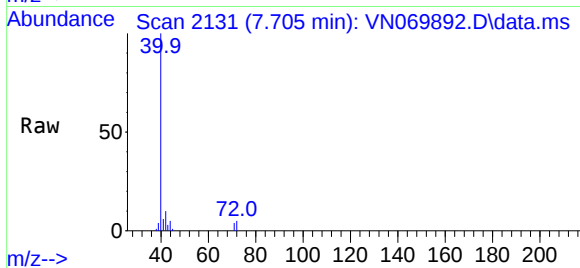
Tgt Ion: 42 Resp: 5246

Ion Ratio Lower Upper

42 100

72 25.9 36.3 54.5#

71 26.7 34.7 52.1#



#31

Cyclohexane

Concen: 1.243 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.013 min

Lab File: VN069892.D

Acq: 9 Dec 2021 5:11

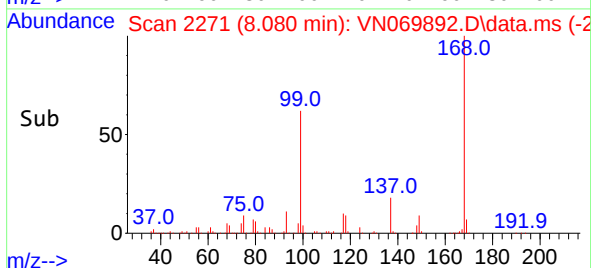
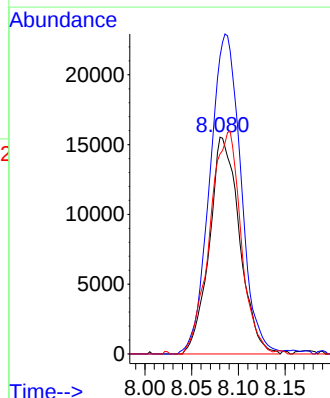
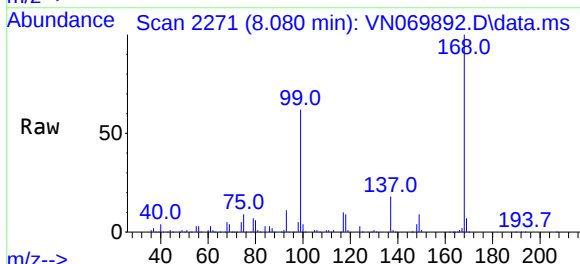
Tgt Ion: 56 Resp: 34892

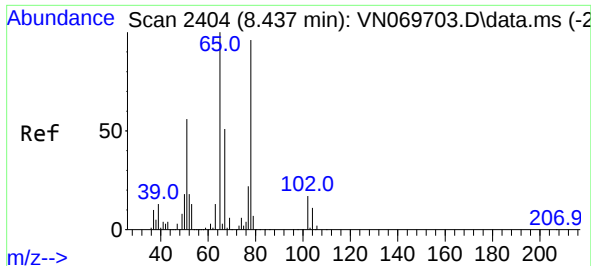
Ion Ratio Lower Upper

56 100

69 136.2 27.1 40.7#

84 92.2 73.4 110.0

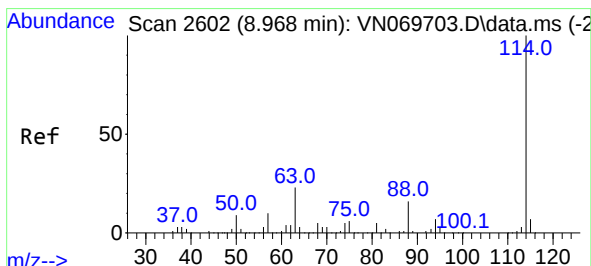
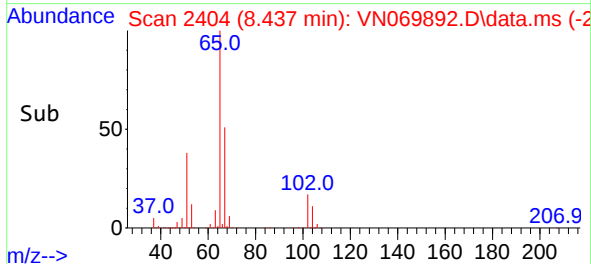
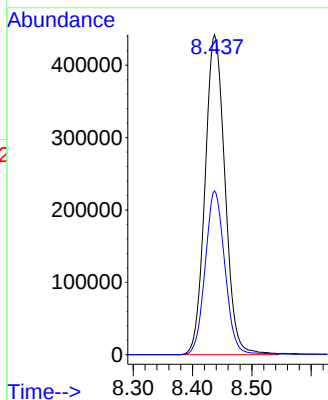
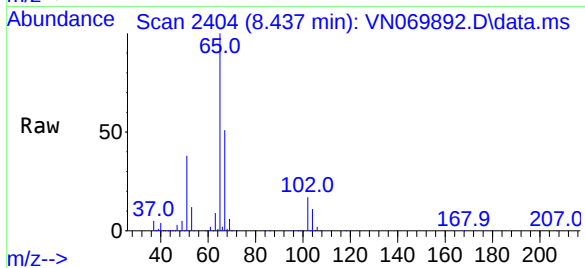




#33
1,2-Dichloroethane-d4
Concen: 51.147 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

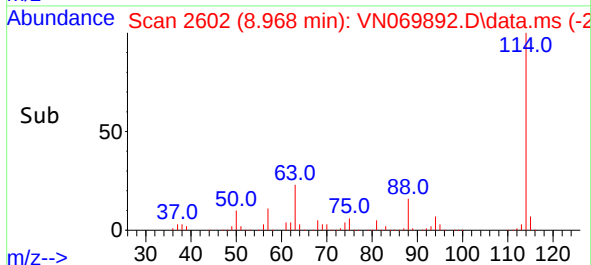
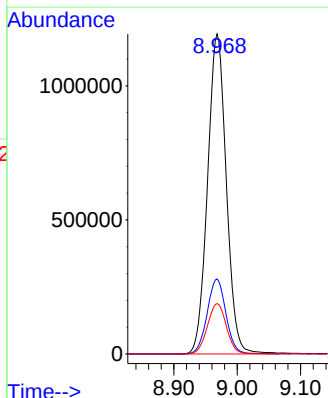
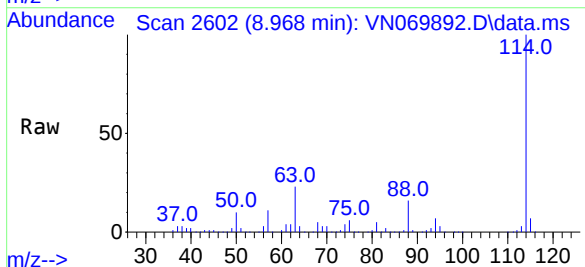
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

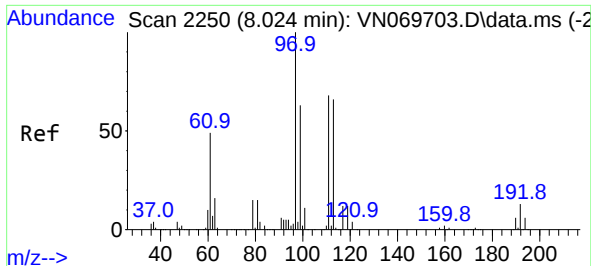
Tgt Ion: 65 Resp: 1032046
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion: 114 Resp: 2455165
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 15.8 0.0 27.4

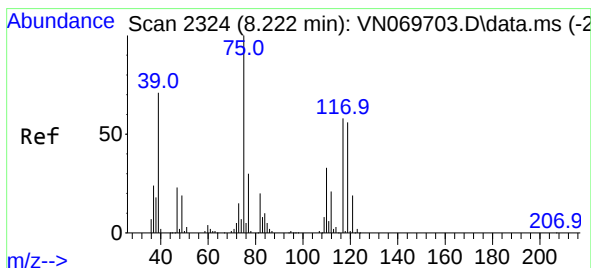
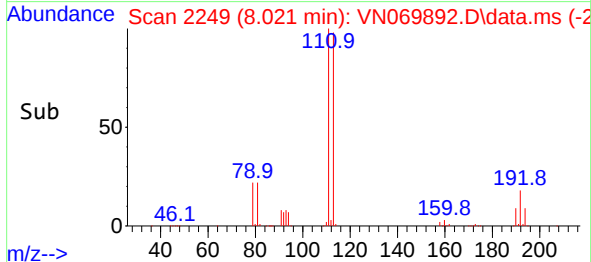
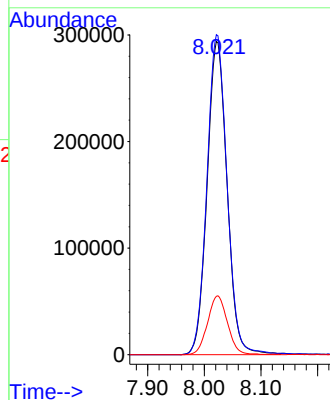
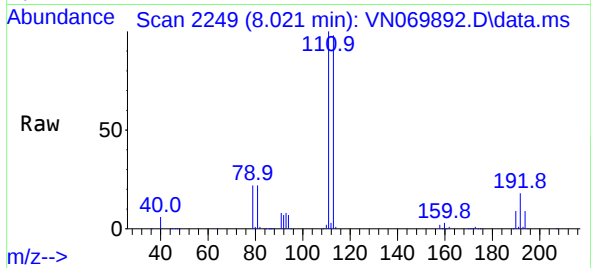




#35
Dibromofluoromethane
Concen: 46.866 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

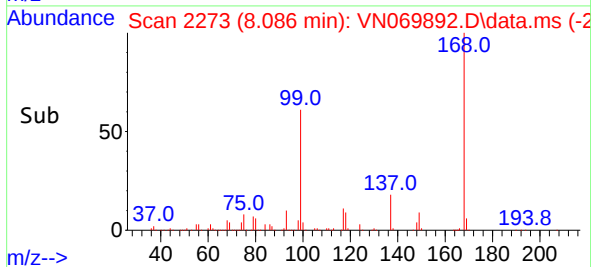
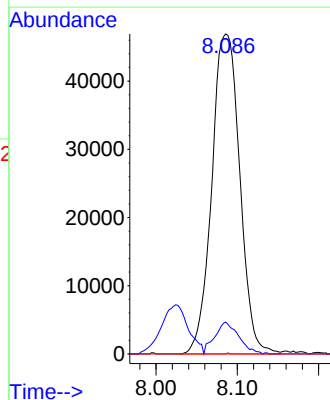
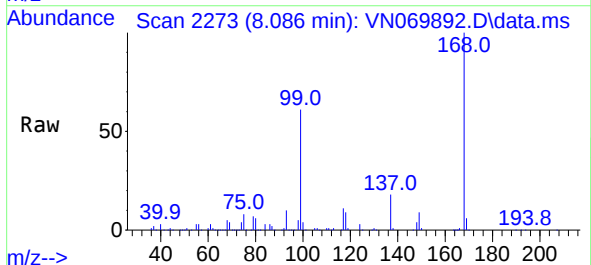
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

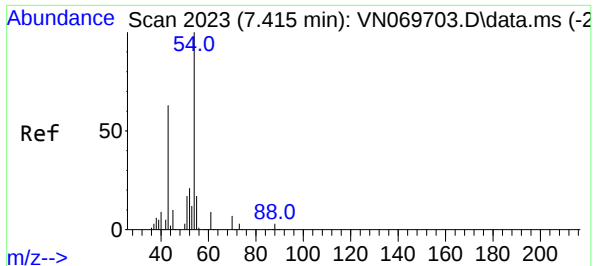
Tgt Ion:113 Resp: 720738
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion: 75 Resp: 112407
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.463 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. -0.070 min

Lab File: VN069892.D

Acq: 9 Dec 2021 5:11

Instrument :

MSVOA_N

ClientSampleId :

TP-1D

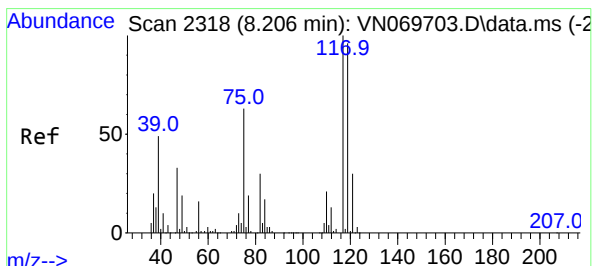
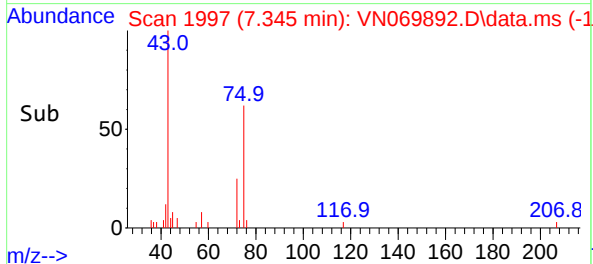
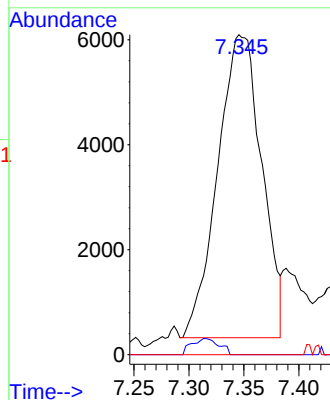
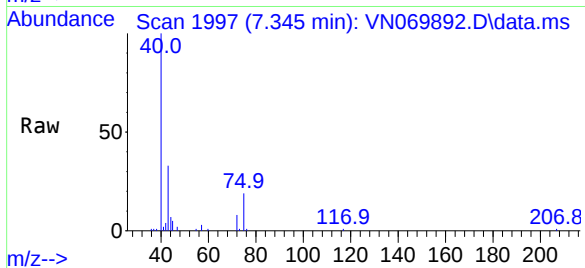
Tgt Ion: 43 Resp: 16103

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.918 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.121 min

Lab File: VN069892.D

Acq: 9 Dec 2021 5:11

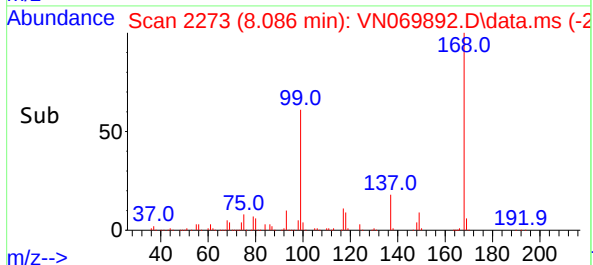
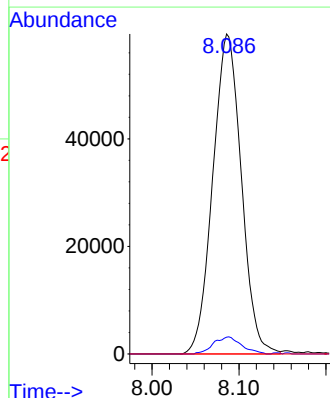
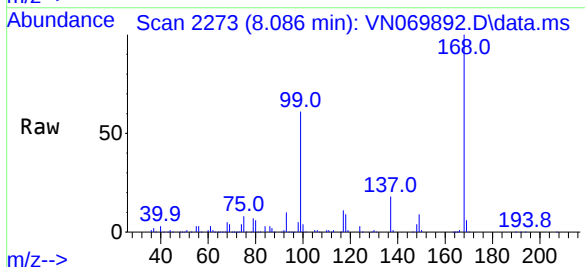
Tgt Ion: 117 Resp: 135644

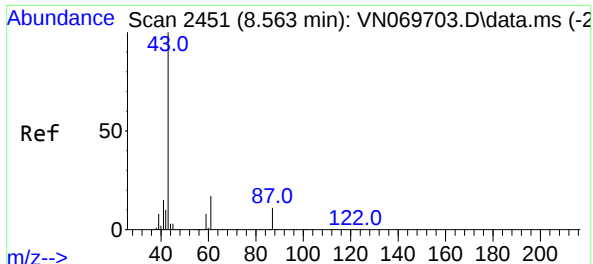
Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

121 0.0 24.2 36.2#

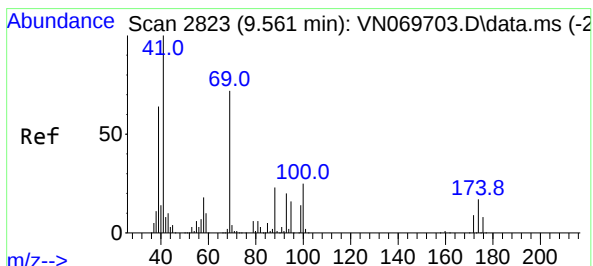
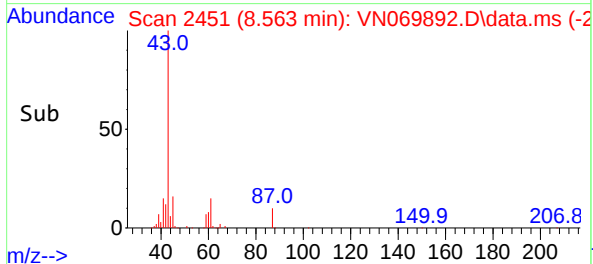
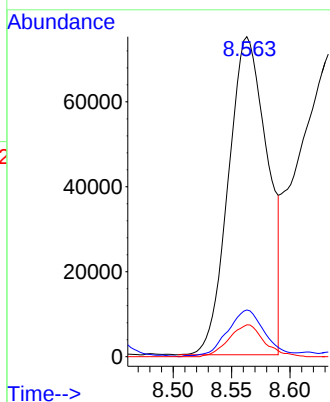
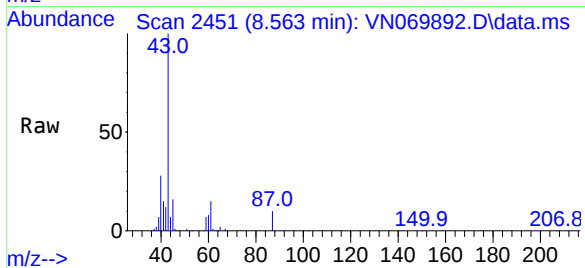




#43
Isopropyl Acetate
Concen: 3.368 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

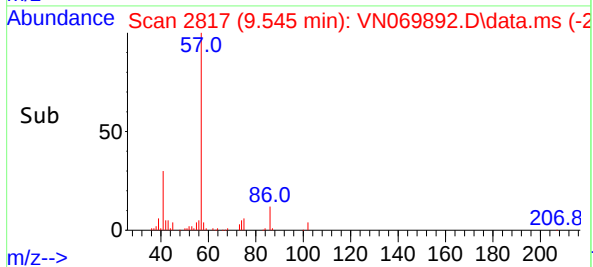
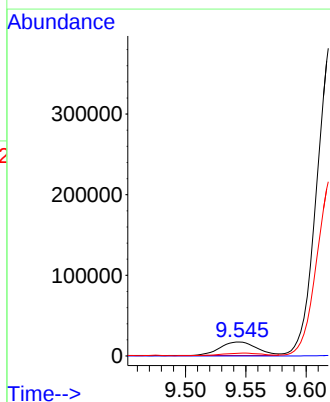
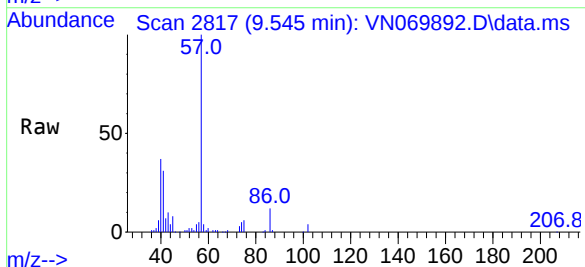
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

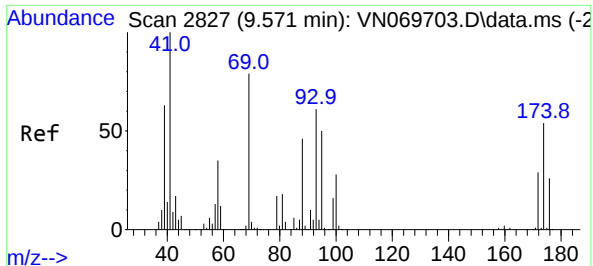
Tgt Ion: 43 Resp: 173371
Ion Ratio Lower Upper
43 100
61 14.2 20.4 30.6#
87 9.1 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.491 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion: 41 Resp: 35822
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#

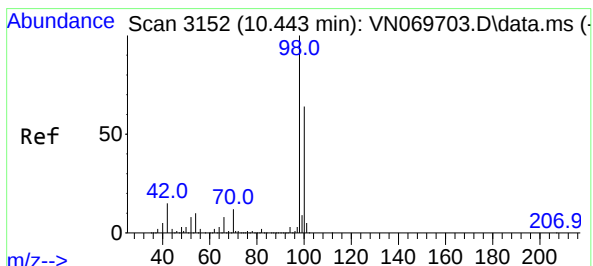
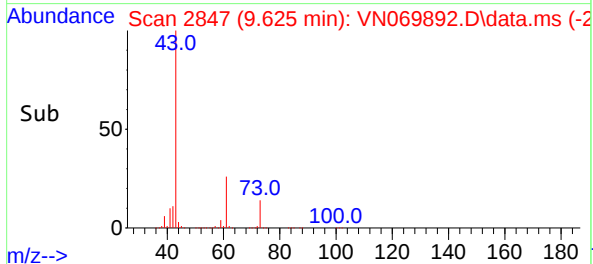
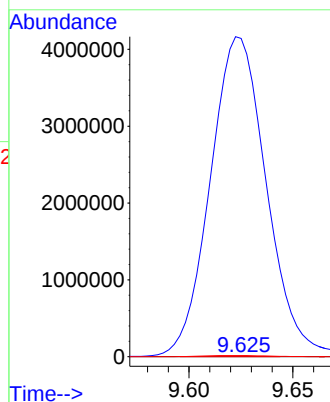
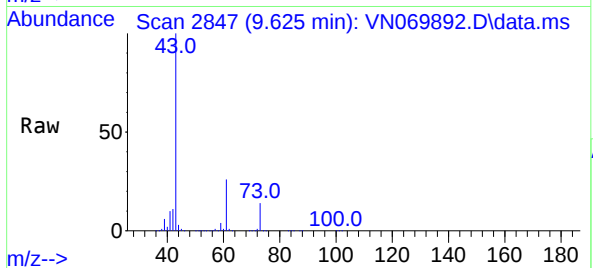




#49
1,4-Dioxane
Concen: 2.427 ug/l
RT: 9.625 min Scan# 21
Delta R.T. 0.054 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

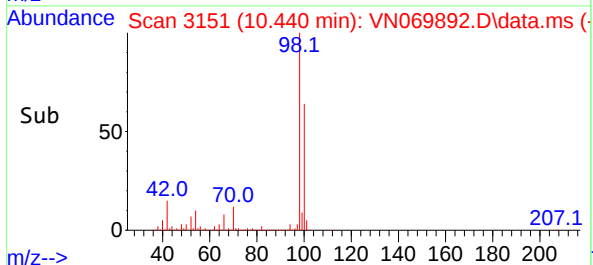
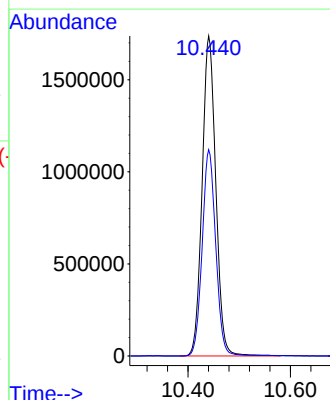
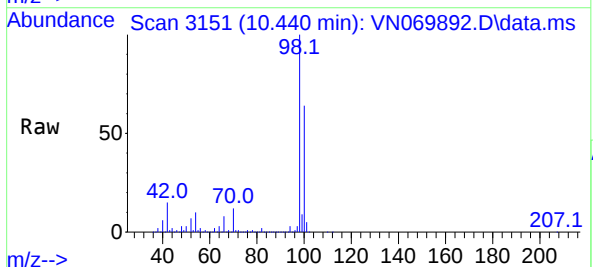
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

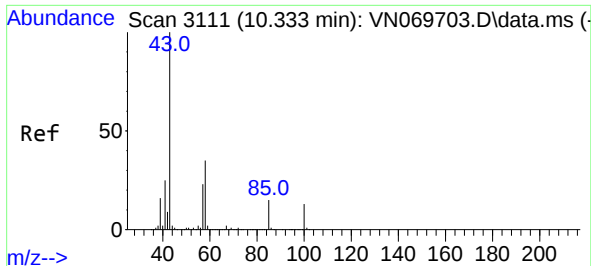
Tgt Ion: 88 Resp: 1046
Ion Ratio Lower Upper
88 100
43 764113.7 23.4 35.2#
58 3039.6 50.6 75.8#



#50
Toluene-d8
Concen: 52.115 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion: 98 Resp: 3218140
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.603 ug/l

RT: 10.330 min Scan# 3111

Delta R.T. -0.003 min

Lab File: VN069892.D

Acq: 9 Dec 2021 5:11

Instrument :

MSVOA_N

ClientSampleId :

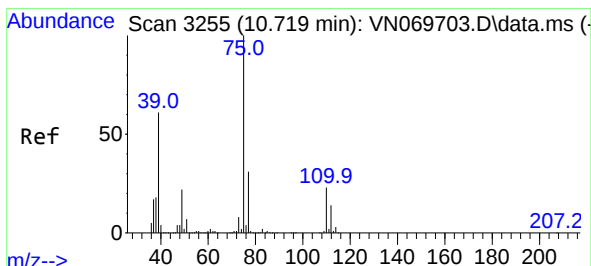
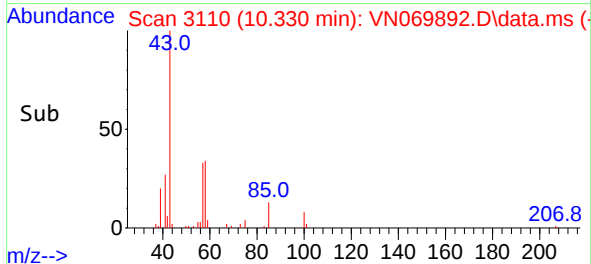
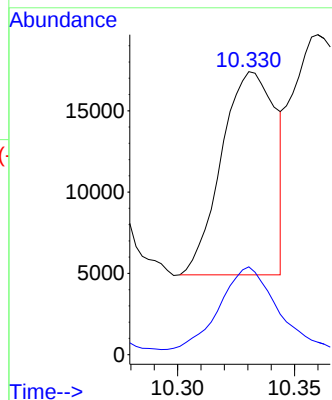
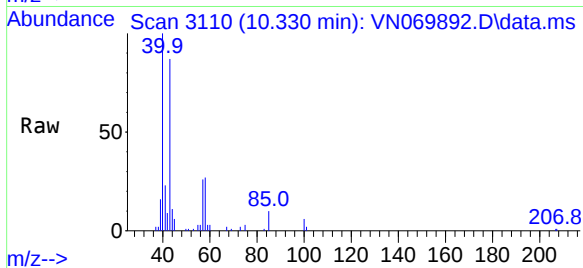
TP-1D

Tgt Ion: 43 Resp: 20123

Ion Ratio Lower Upper

43 100

58 44.3 30.4 45.6



#53

t-1,3-Dichloropropene

Concen: 2.800 ug/l

RT: 10.628 min Scan# 3221

Delta R.T. -0.091 min

Lab File: VN069892.D

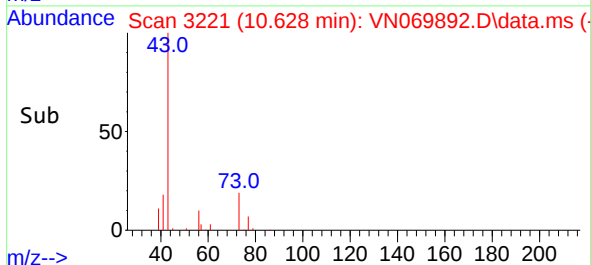
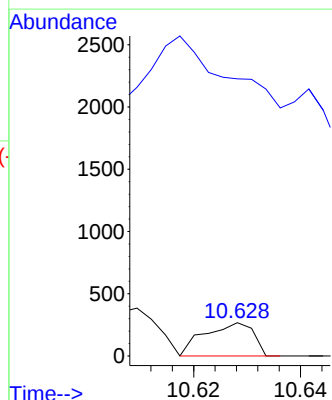
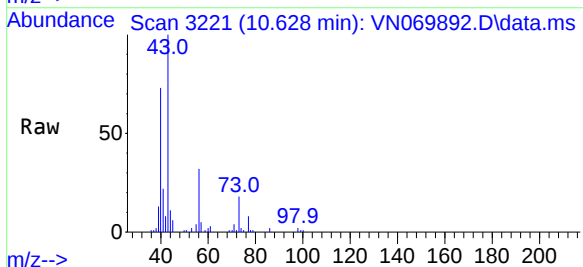
Acq: 9 Dec 2021 5:11

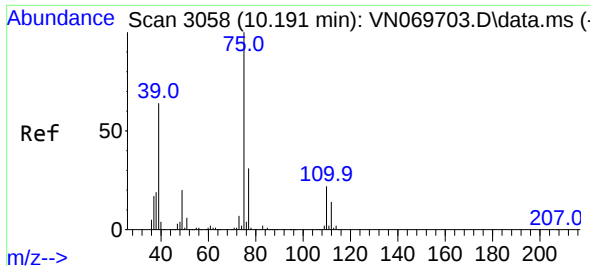
Tgt Ion: 75 Resp: 169

Ion Ratio Lower Upper

75 100

77 86.9 25.6 38.4#

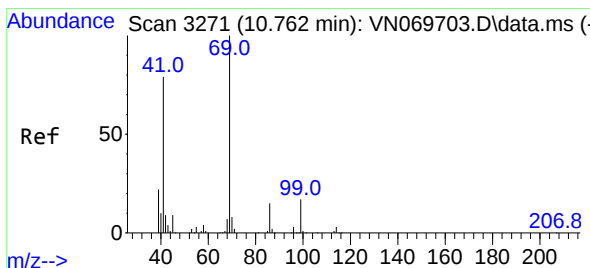
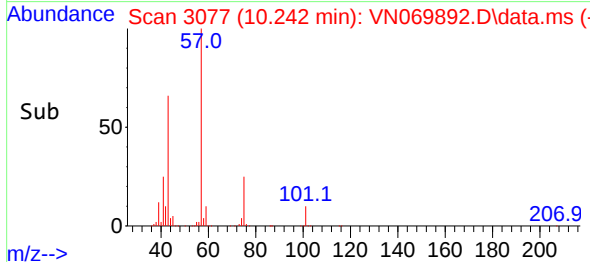
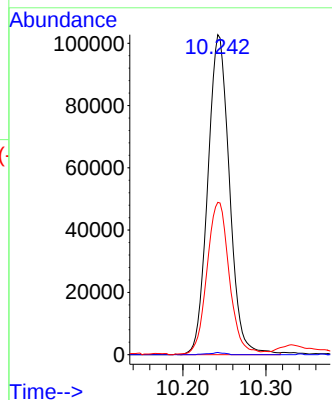
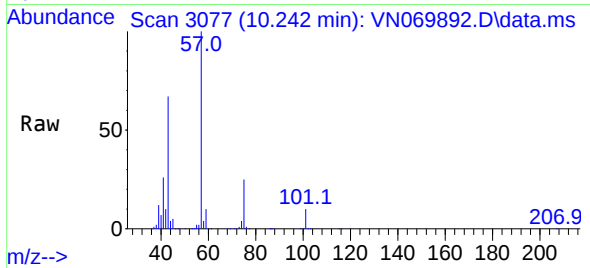




#54
cis-1,3-Dichloropropene
Concen: 7.938 ug/l
RT: 10.242 min Scan# 3058
Delta R.T. 0.051 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

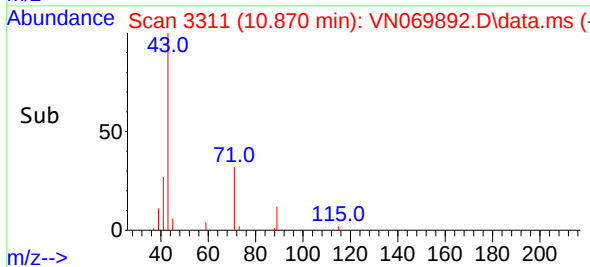
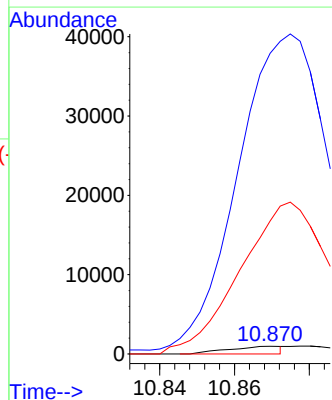
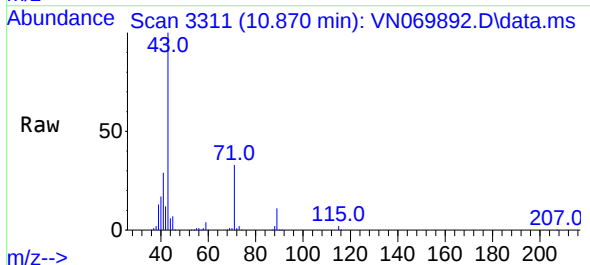
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

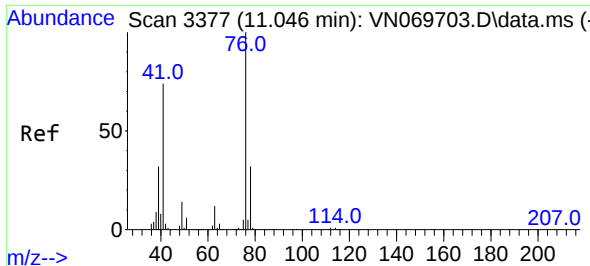
Tgt Ion: 75 Resp: 186044
Ion Ratio Lower Upper
75 100
77 0.7 26.4 39.6#
39 47.4 42.5 63.7



#56
Ethyl methacrylate
Concen: 2.307 ug/l
RT: 10.870 min Scan# 3311
Delta R.T. 0.108 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion: 69 Resp: 958
Ion Ratio Lower Upper
69 100
41 7591.2 51.4 77.0#
39 3609.7 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 3.646 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.043 min

Lab File: VN069892.D

Acq: 9 Dec 2021 5:11

Instrument :

MSVOA_N

ClientSampleId :

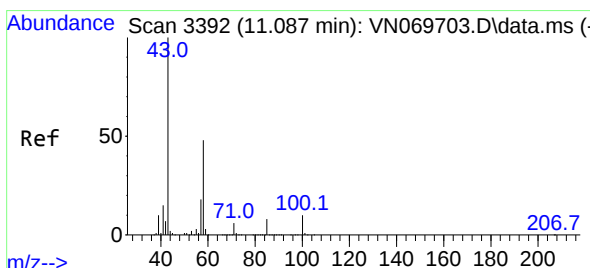
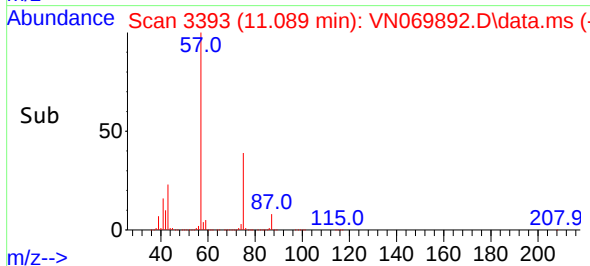
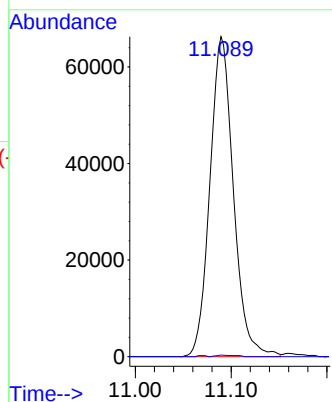
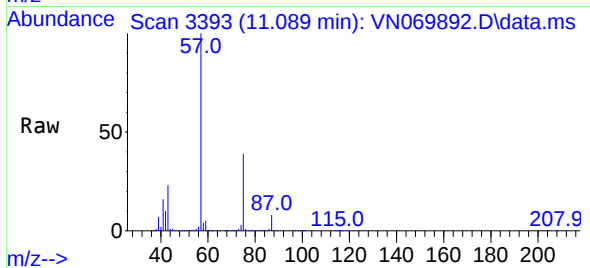
TP-1D

Tgt Ion: 76 Resp: 112990

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 79.139 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.002 min

Lab File: VN069892.D

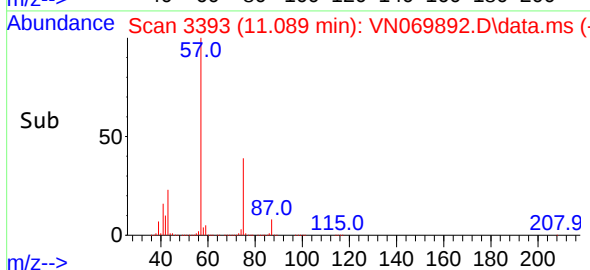
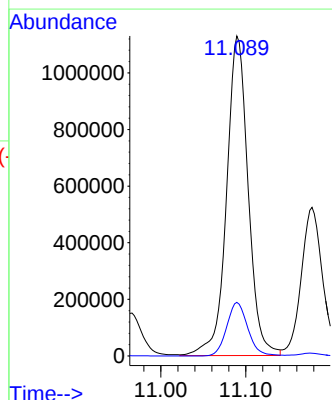
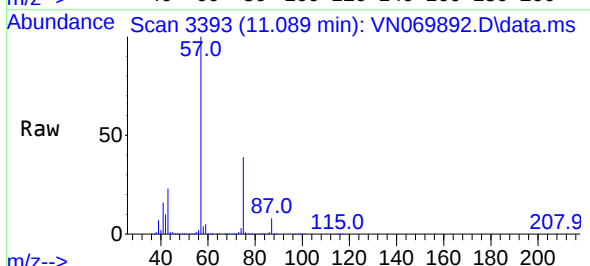
Acq: 9 Dec 2021 5:11

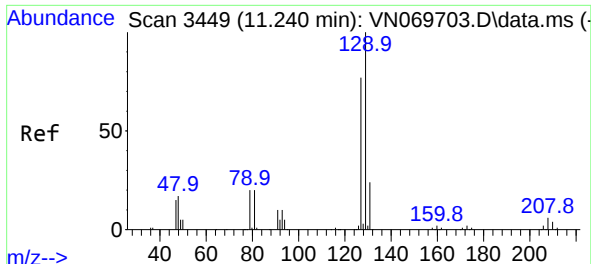
Tgt Ion: 43 Resp: 1999272

Ion Ratio Lower Upper

43 100

58 16.3 26.9 80.7#

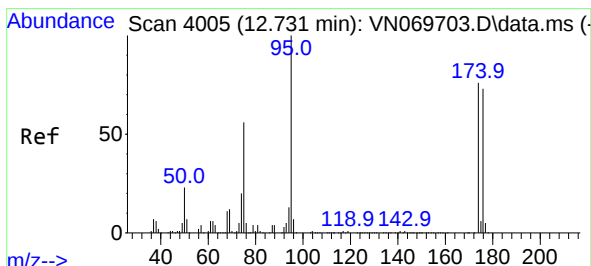
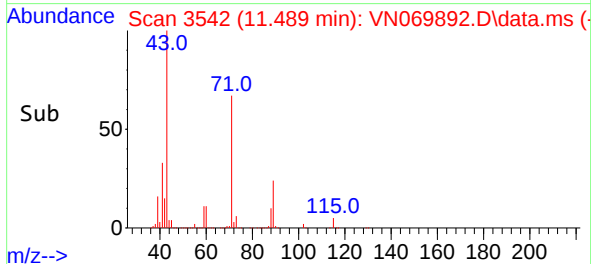
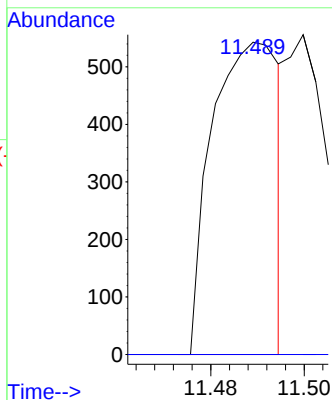
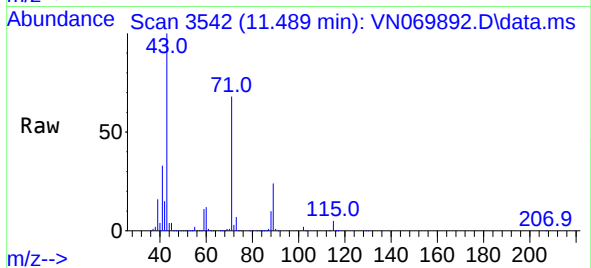




#60
Dibromochloromethane
Concen: 2.403 ug/l
RT: 11.489 min Scan# 311
Delta R.T. 0.249 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

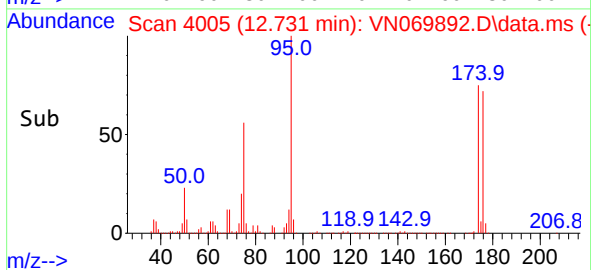
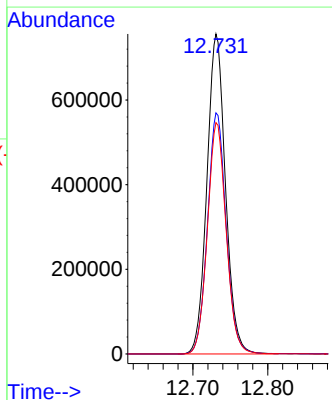
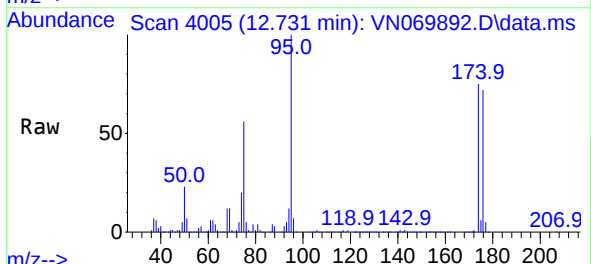
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

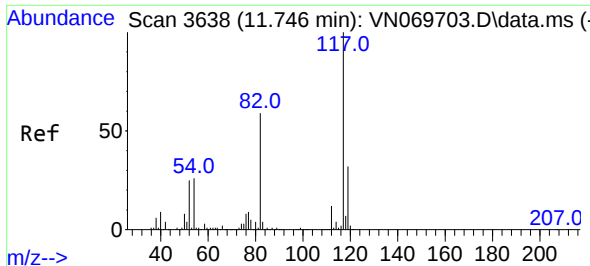
Tgt Ion:129 Resp: 537
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 58.328 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion: 95 Resp: 1304833
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 72.9 0.0 181.4

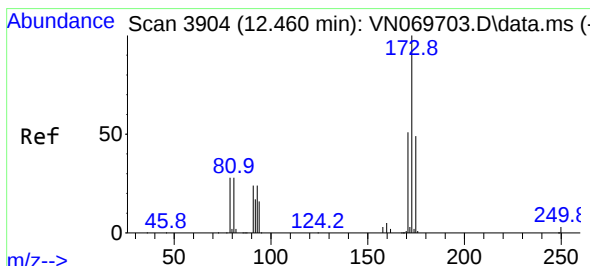
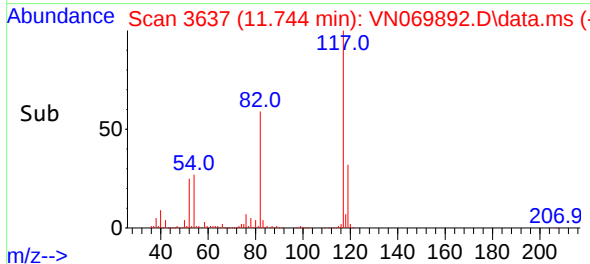
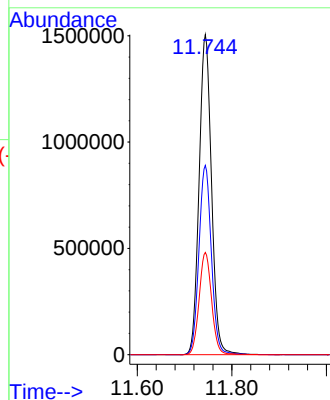
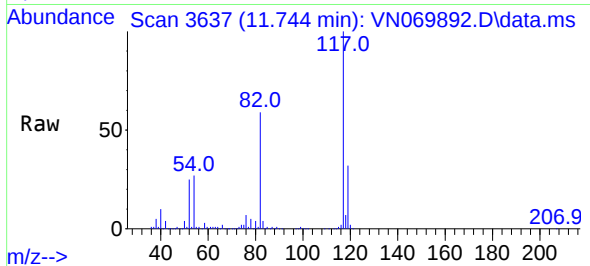




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

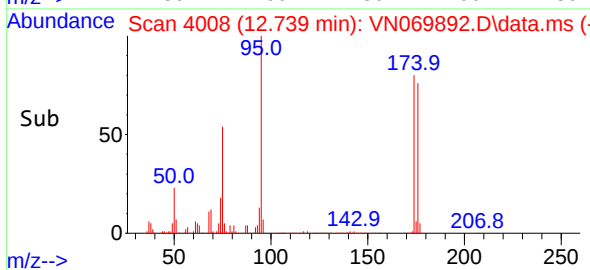
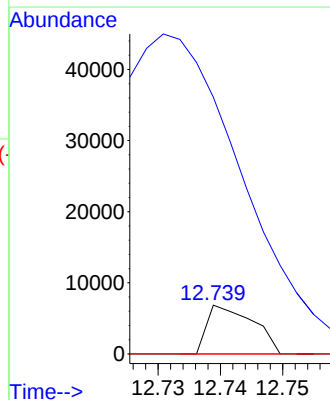
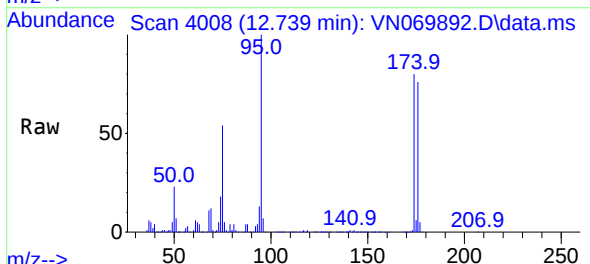
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

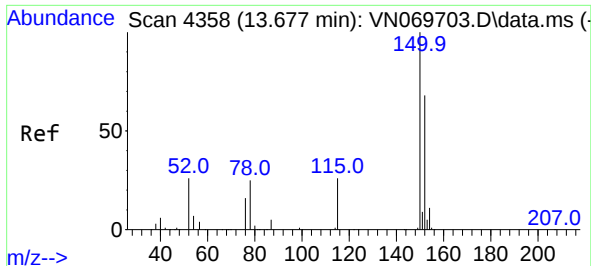
Tgt Ion:117 Resp: 2728889
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 2.930 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion:173 Resp: 3507
Ion Ratio Lower Upper
173 100
175 2082.0 24.2 72.6#
254 0.0 0.0 0.0

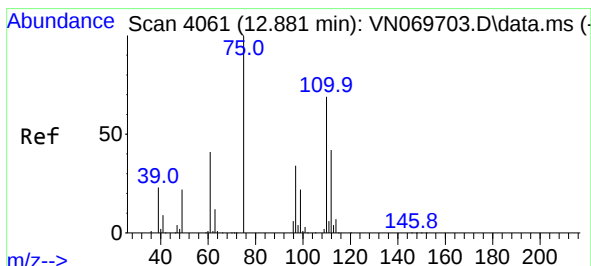
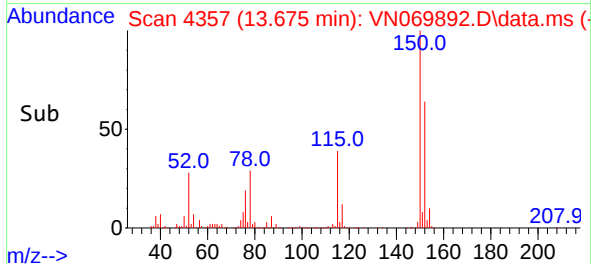
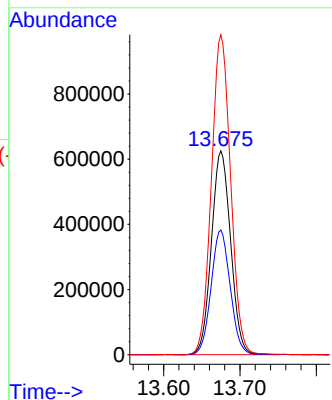
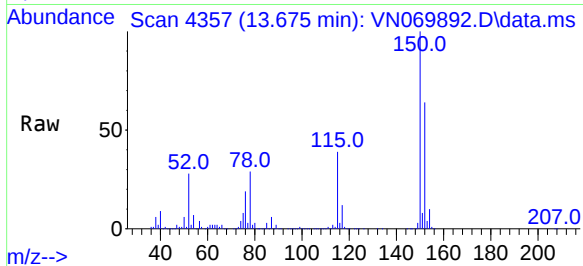




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

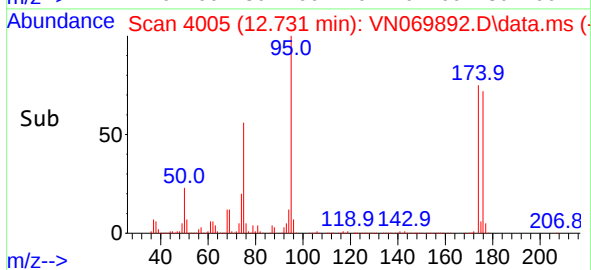
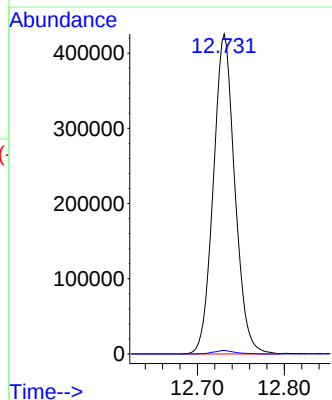
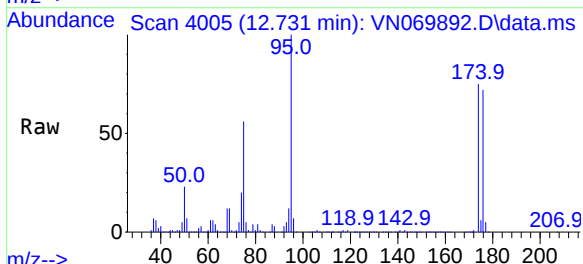
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

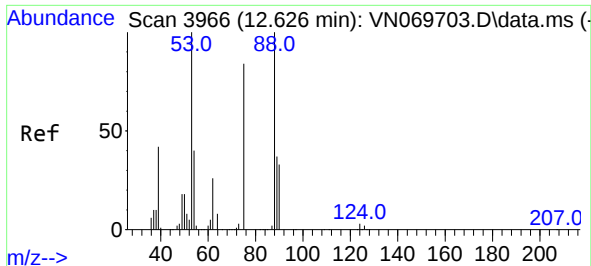
Tgt Ion:152 Resp: 1095376
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 156.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.238 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion: 75 Resp: 729967
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

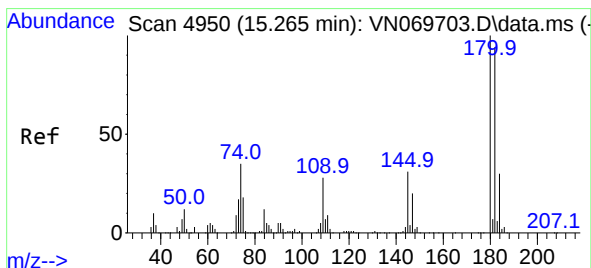
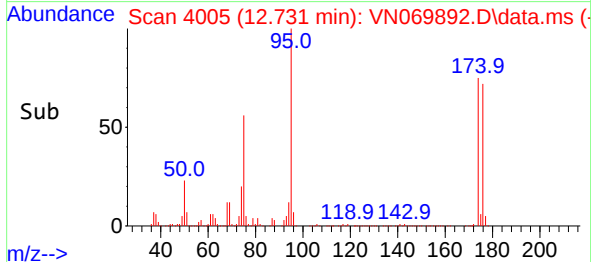
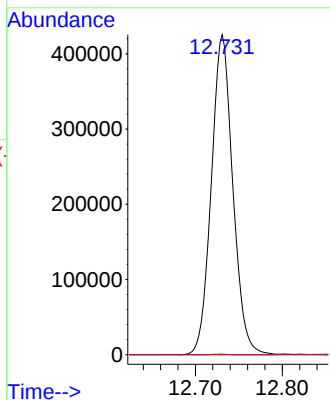
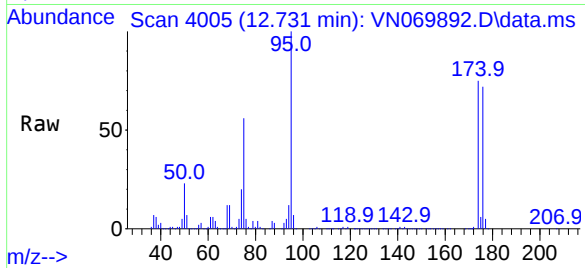




#81
trans-1,4-Dichloro-2-butene
Concen: 73.938 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

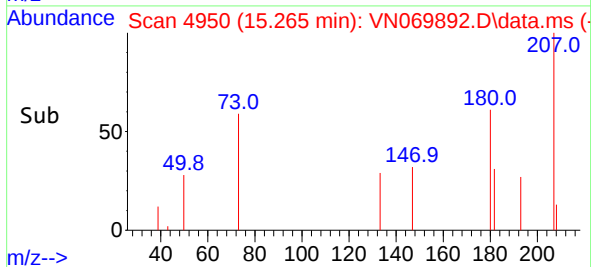
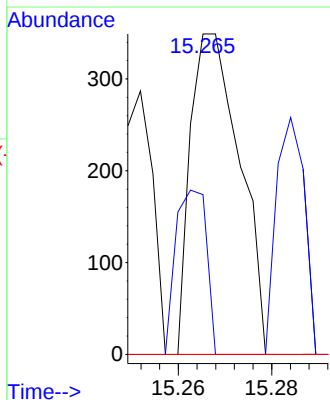
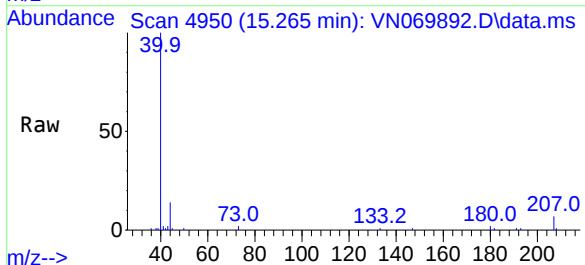
Instrument :
MSVOA_N
ClientSampleId :
TP-1D

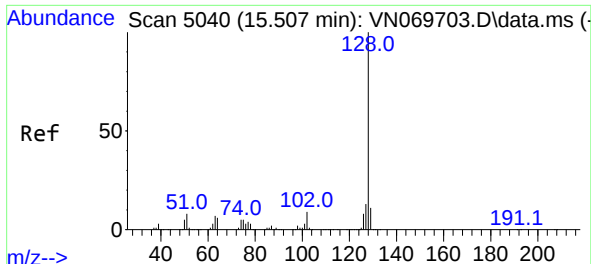
Tgt Ion: 75 Resp: 729967
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.891 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion:180 Resp: 256
Ion Ratio Lower Upper
180 100
182 32.0 48.3 144.9#
145 0.0 14.5 43.5#

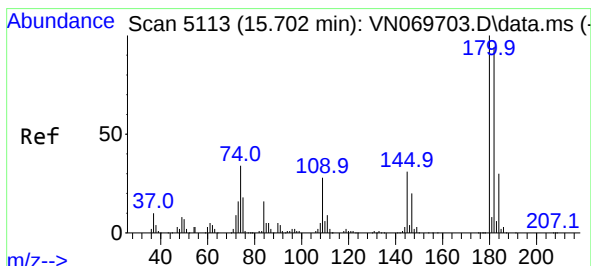
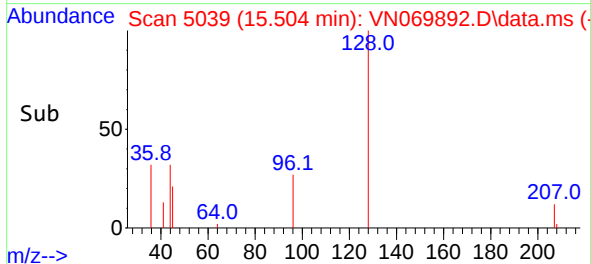
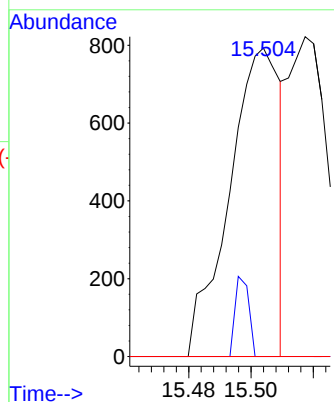
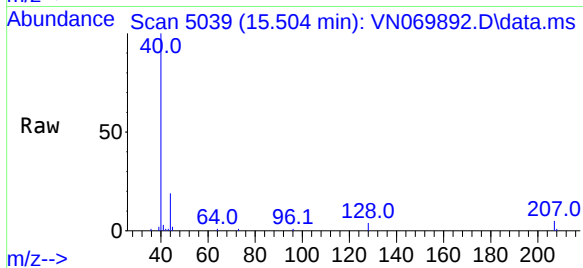




#95
Naphthalene
Concen: 4.000 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Instrument :
MSVOA_N
ClientSampleId :
TP-1D

Tgt Ion:128 Resp: 894
Ion Ratio Lower Upper
128 100
127 6.9 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.449 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069892.D
Acq: 9 Dec 2021 5:11

Tgt Ion:180 Resp: 253
Ion Ratio Lower Upper
180 100
182 51.0 47.4 142.2
145 39.9 15.0 45.1

