

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
 Data File : VN070142.D
 Acq On : 16 Dec 2021 17:05
 Operator : JC/MD
 Sample : M5011-15
 Misc : 4.55g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 17:36:47 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)

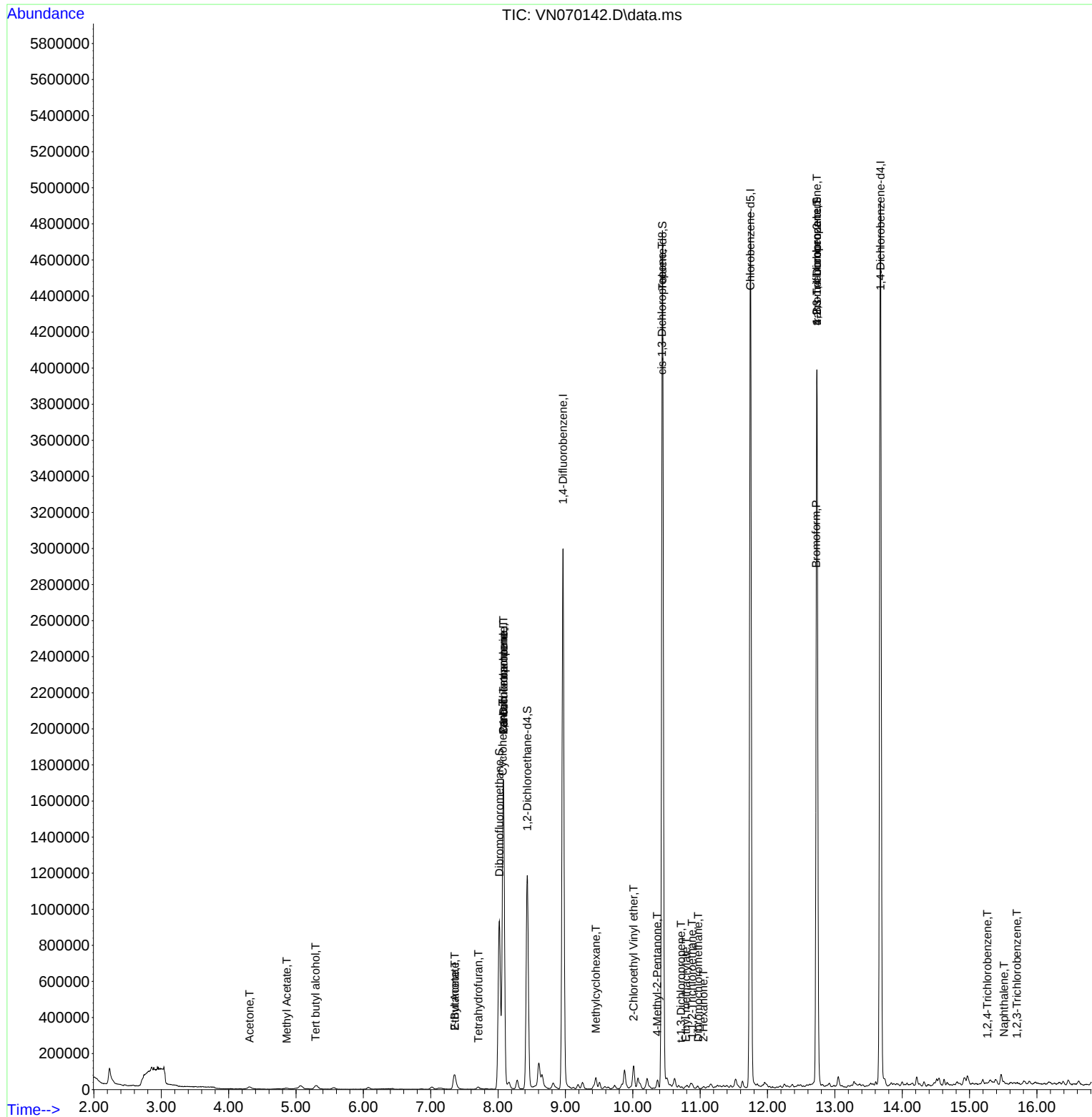
Internal Standards						
1) Pentafluorobenzene	8.077	168	1305395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2483331	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2633276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	1286678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	1031724	51.189	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.380%			
35) Dibromofluoromethane	8.018	113	671349	43.160	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 86.320%			
50) Toluene-d8	10.440	98	3182442	50.953	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.900%			
62) 4-Bromofluorobenzene	12.733	95	1378501	60.922	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 121.840%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.291	59	22650	5.945	ug/l #	71
16) Acetone	4.312	43	21225	1.751	ug/l	99
18) Methyl Acetate	4.862	43	8070	0.221	ug/l #	67
25) 2-Butanone	7.356	43	166424	10.103	ug/l #	89
29) Tetrahydrofuran	7.707	42	10584	1.058	ug/l #	85
31) Cyclohexane	8.069	56	41764	1.489	ug/l #	43
36) 1,1-Dichloropropene	8.077	75	107808	4.560	ug/l #	49
37) Ethyl Acetate	7.356	43	166424	4.730	ug/l #	68
38) Carbon Tetrachloride	8.077	117	132322	5.708	ug/l #	16
39) Methylcyclohexane	9.453	83	10867	0.386	ug/l #	77
51) 4-Methyl-2-Pentanone	10.363	43	7917	0.234	ug/l #	73
53) t-1,3-Dichloropropene	10.714	75	78	2.797	ug/l #	65
54) cis-1,3-Dichloropropene	10.432	75	362	2.010	ug/l #	1
55) 1,1,2-Trichloroethane	10.877	97	5884	0.331	ug/l #	27
56) Ethyl methacrylate	10.789	69	648	2.298	ug/l #	24
58) 2-Chloroethyl Vinyl ether	10.011	63	55	18.394	ug/l #	45
59) 2-Hexanone	11.049	43	6263	0.245	ug/l #	26
60) Dibromochloromethane	10.969	129	89	2.381	ug/l #	11
71) Bromoform	12.723	173	2593	2.883	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	756322	20.497	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	756322	65.697	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	1494	2.945	ug/l #	61
95) Naphthalene	15.509	128	14123	4.192	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.702	180	1894	2.523	ug/l #	77

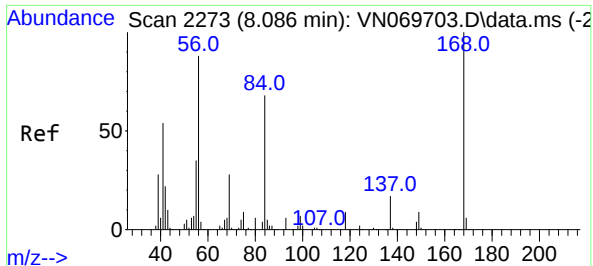
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN070142.D
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Instrument :
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ClientSampleId :

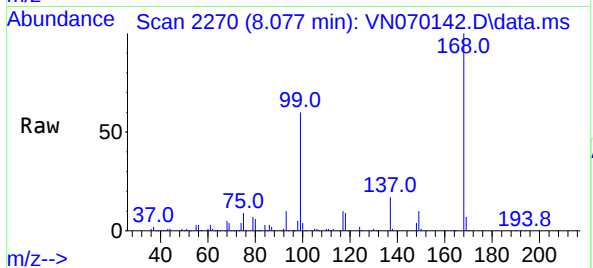
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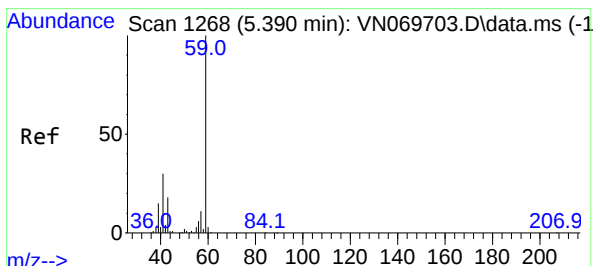
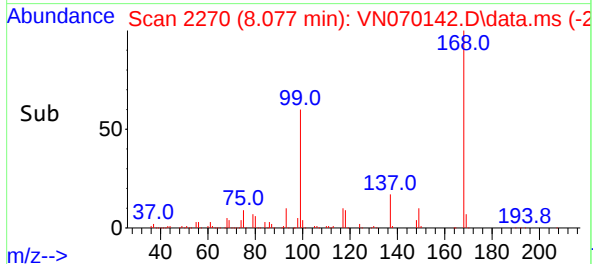
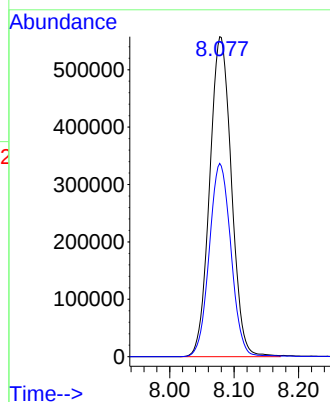


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.077 min Scan# 21
Delta R.T. -0.009 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Instrument :
MSVOA_N
ClientSampleId :

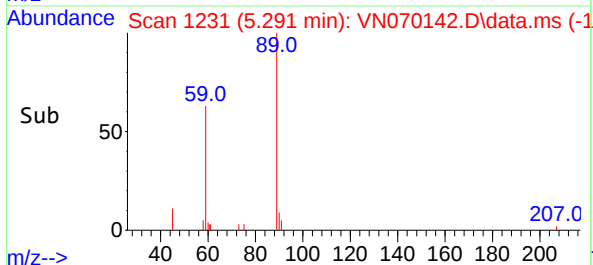
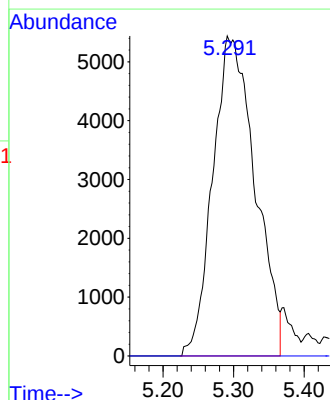
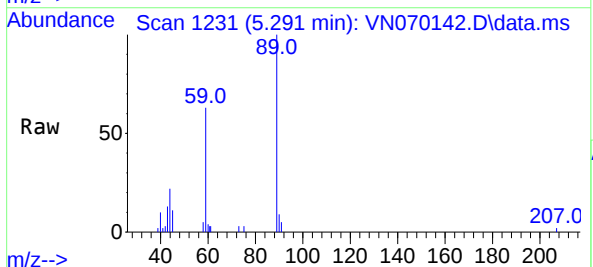


Tgt Ion:168 Resp: 1305395
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 5.945 ug/l
RT: 5.291 min Scan# 1231
Delta R.T. -0.099 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 59 Resp: 22650
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

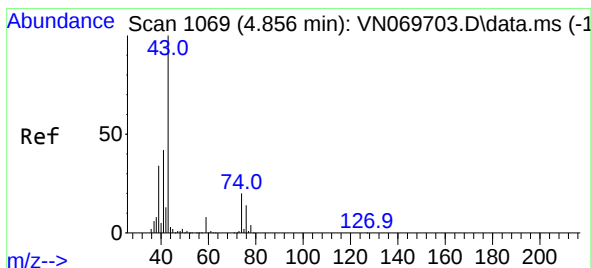
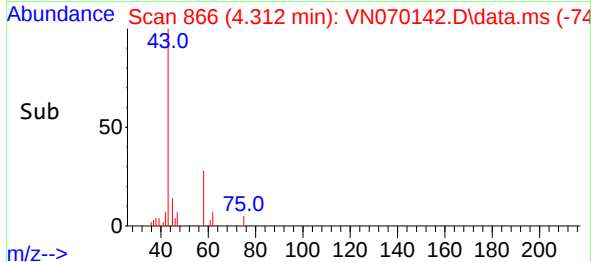
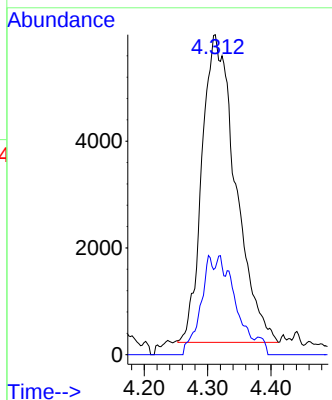
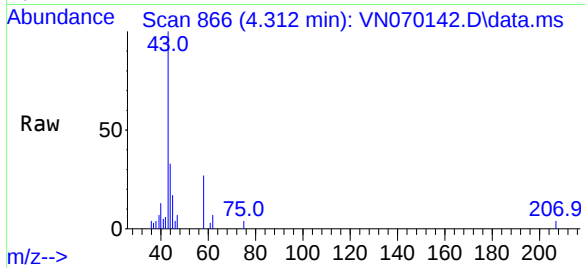




#16
Acetone
Concen: 1.751 ug/l
RT: 4.312 min Scan# 80
Delta R.T. 0.021 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

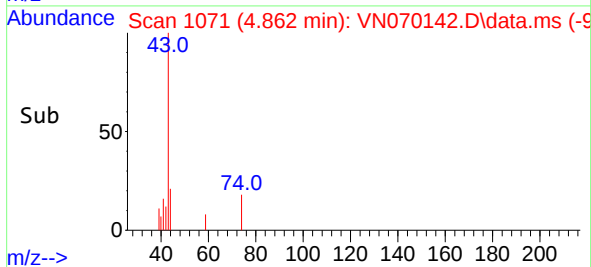
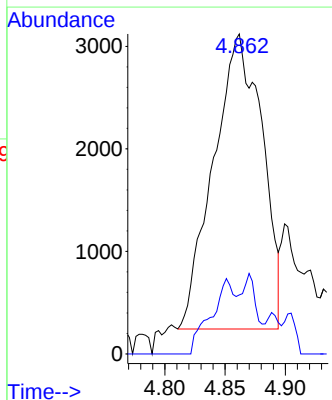
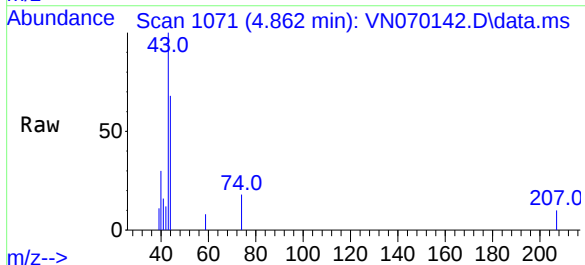
Instrument :
MSVOA_N
ClientSampleId :

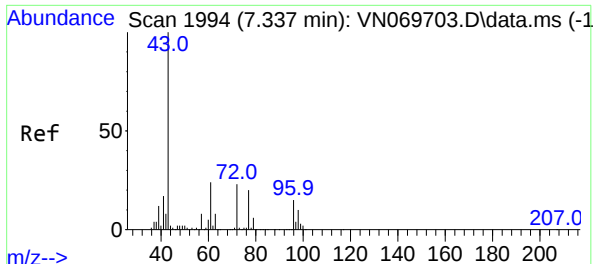
Tgt Ion: 43 Resp: 21225
Ion Ratio Lower Upper
43 100
58 28.2 23.1 34.7



#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 43 Resp: 8070
Ion Ratio Lower Upper
43 100
74 7.7 19.4 29.2#





#25

2-Butanone

Concen: 10.103 ug/l

RT: 7.356 min Scan# 2001

Delta R.T. 0.019 min

Lab File: VN070142.D

Acq: 16 Dec 2021 17:05

Instrument :

MSVOA_N

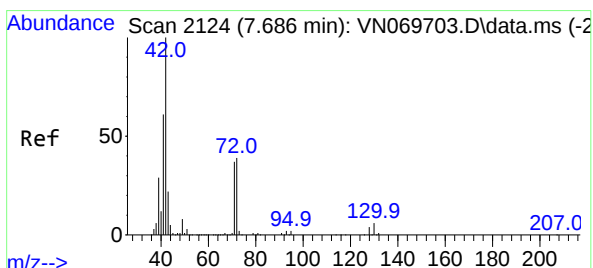
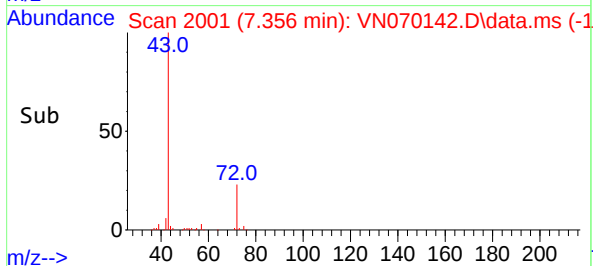
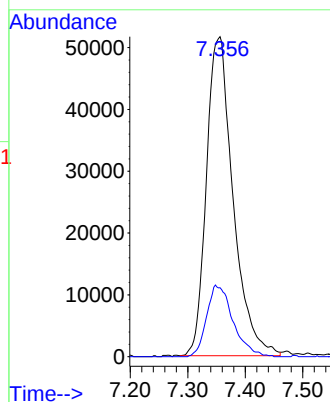
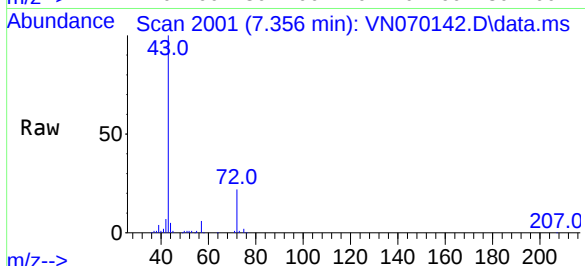
ClientSampleId :

Tgt Ion: 43 Resp: 166424

Ion Ratio Lower Upper

43 100

72 21.6 21.7 32.5#



#29

Tetrahydrofuran

Concen: 1.058 ug/l

RT: 7.707 min Scan# 2132

Delta R.T. 0.021 min

Lab File: VN070142.D

Acq: 16 Dec 2021 17:05

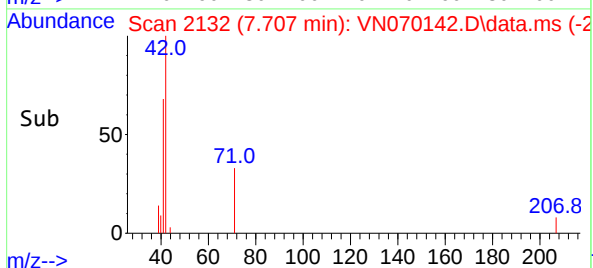
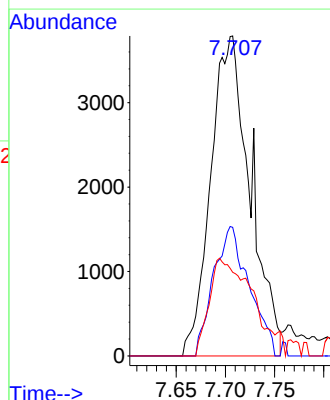
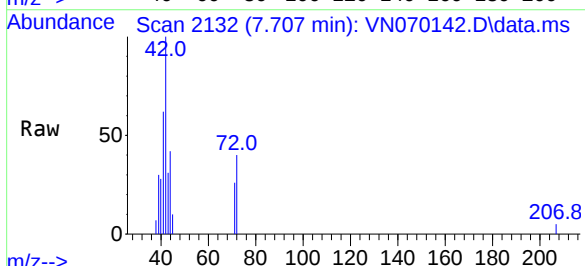
Tgt Ion: 42 Resp: 10584

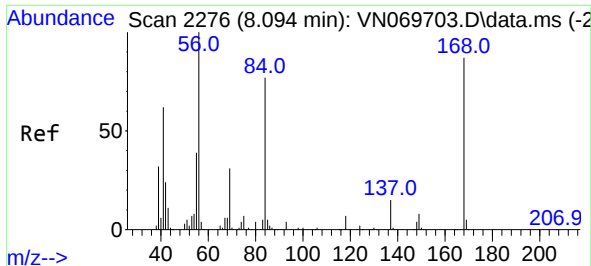
Ion Ratio Lower Upper

42 100

72 36.7 36.3 54.5

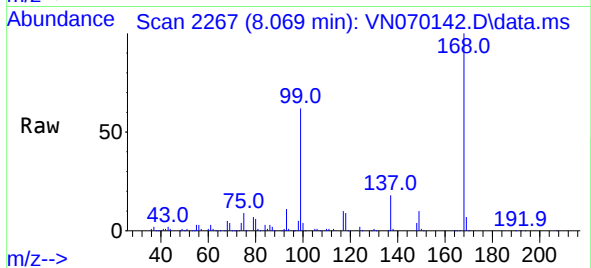
71 32.5 34.7 52.1#



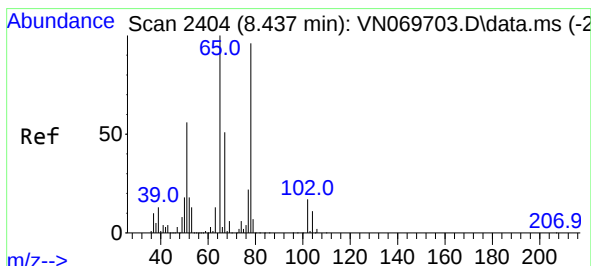
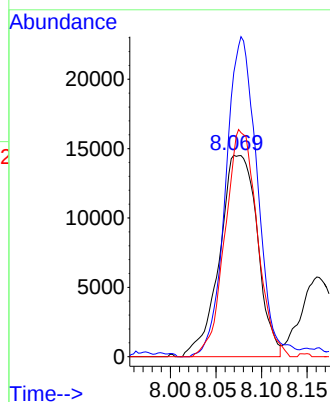
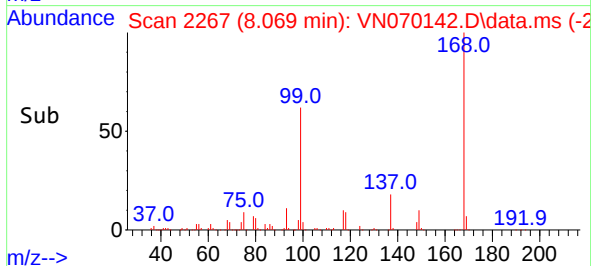


#31
Cyclohexane
Concen: 1.489 ug/l
RT: 8.069 min Scan# 21
Delta R.T. -0.024 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Instrument :
MSVOA_N
ClientSampleId :

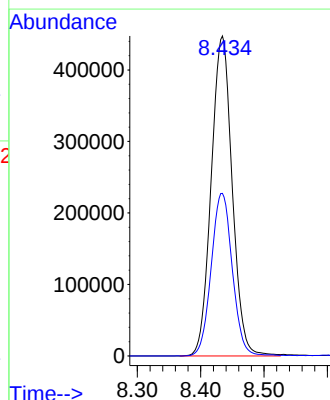
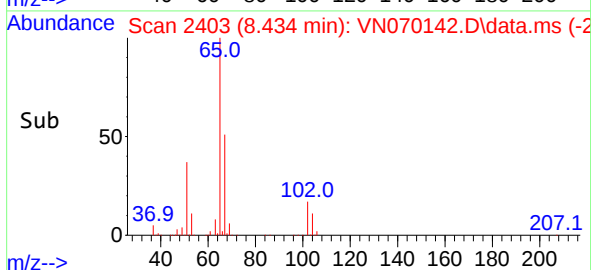
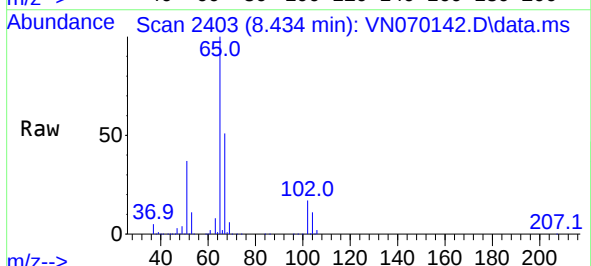


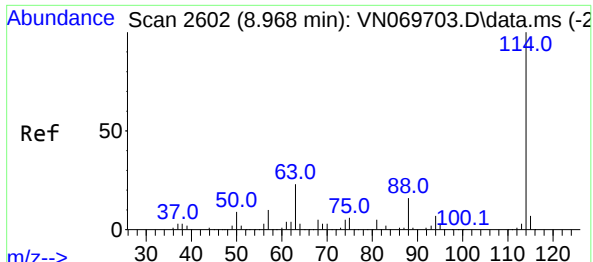
Tgt Ion: 56 Resp: 41764
Ion Ratio Lower Upper
56 100
69 141.0 27.1 40.7#
84 100.0 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.189 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.003 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 65 Resp: 1031724
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN070142.D

Acq: 16 Dec 2021 17:05

Instrument :

MSVOA_N

ClientSampleId :

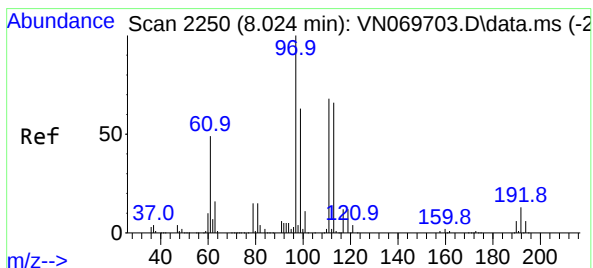
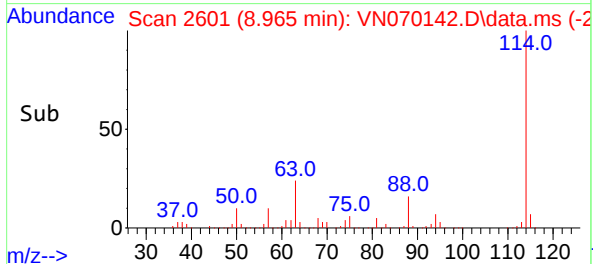
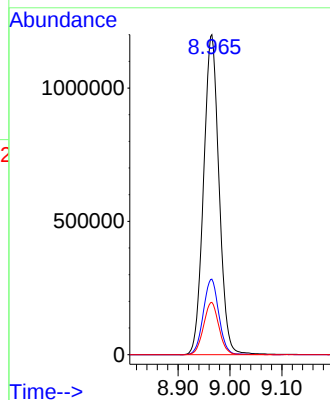
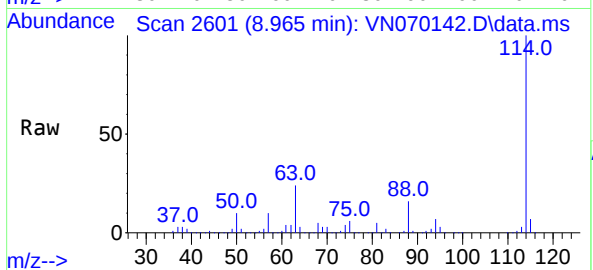
Tgt Ion:114 Resp: 2483331

Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 43.160 ug/l

RT: 8.018 min Scan# 2248

Delta R.T. -0.005 min

Lab File: VN070142.D

Acq: 16 Dec 2021 17:05

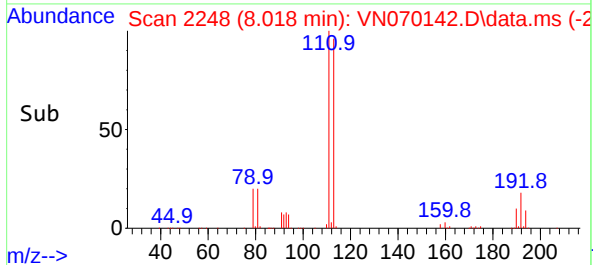
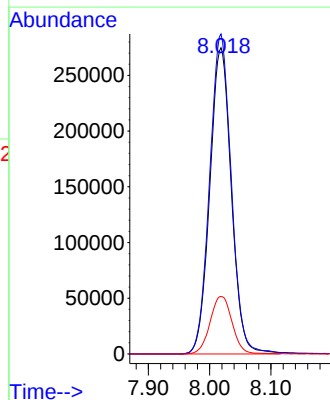
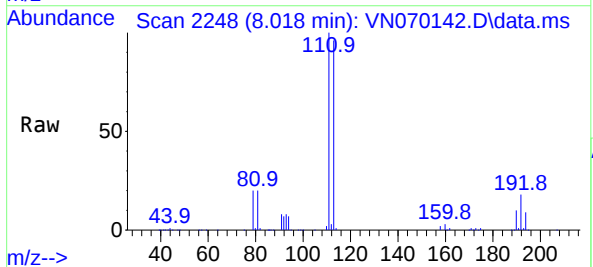
Tgt Ion:113 Resp: 671349

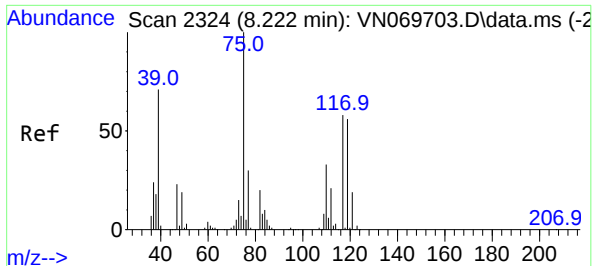
Ion Ratio Lower Upper

113 100

111 105.3 82.2 123.2

192 19.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.560 ug/l

RT: 8.077 min Scan# 21

Delta R.T. -0.145 min

Lab File: VN070142.D

Acq: 16 Dec 2021 17:05

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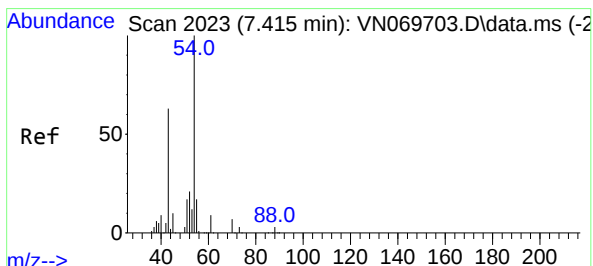
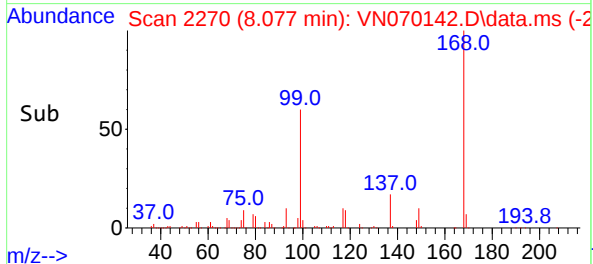
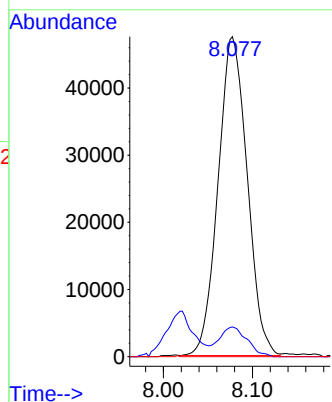
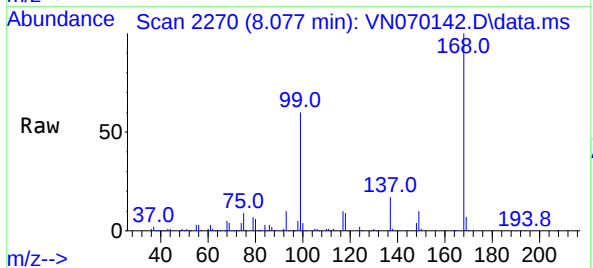
Tgt Ion: 75 Resp: 107808

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 4.730 ug/l

RT: 7.356 min Scan# 2001

Delta R.T. -0.059 min

Lab File: VN070142.D

Acq: 16 Dec 2021 17:05

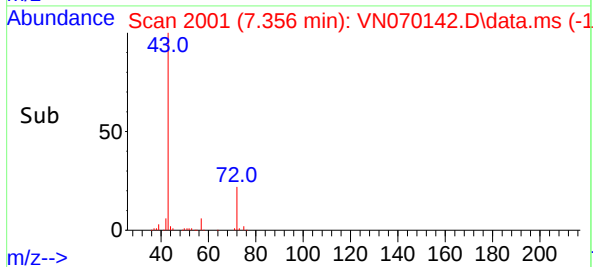
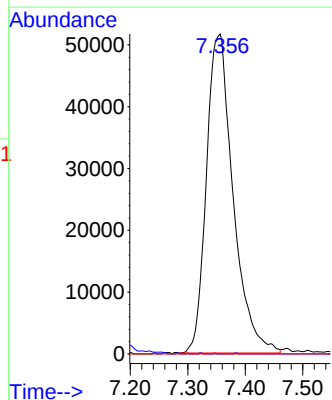
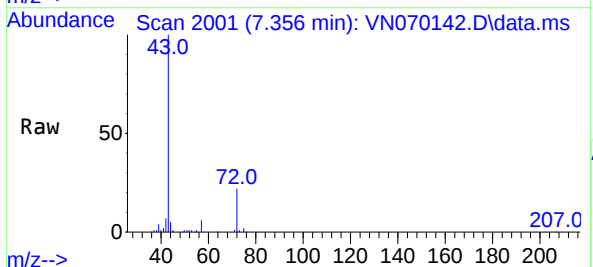
Tgt Ion: 43 Resp: 166424

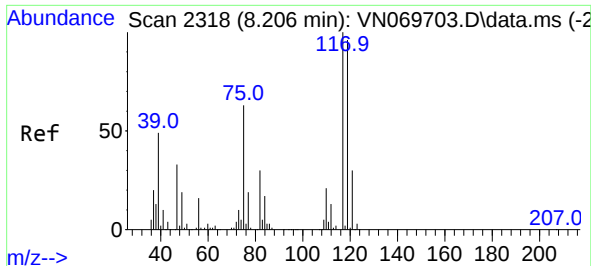
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

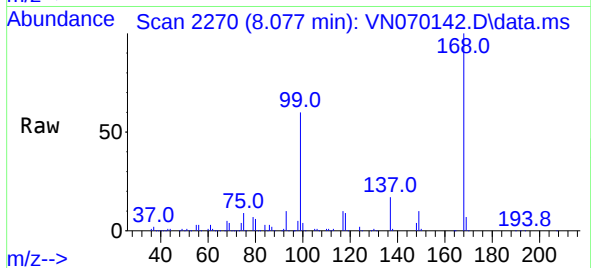
70 0.0 7.9 11.9#



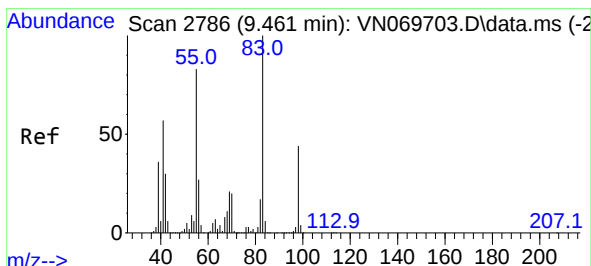
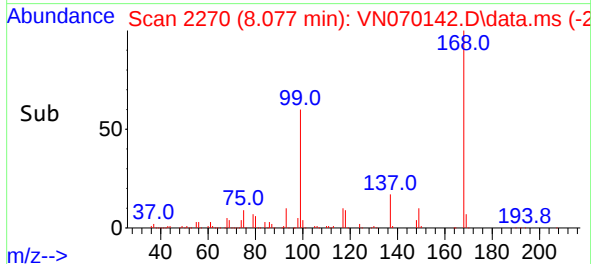
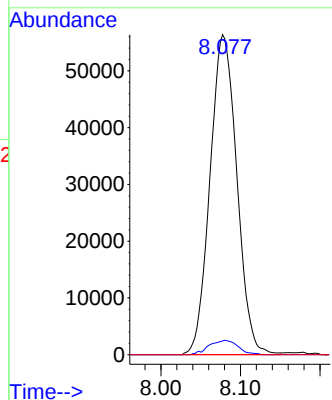


#38
Carbon Tetrachloride
Concen: 5.708 ug/l
RT: 8.077 min Scan# 21
Delta R.T. -0.129 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Instrument :
MSVOA_N
ClientSampleId :

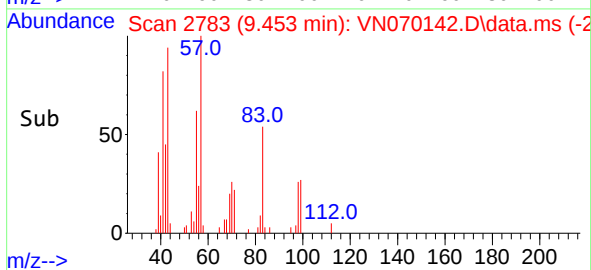
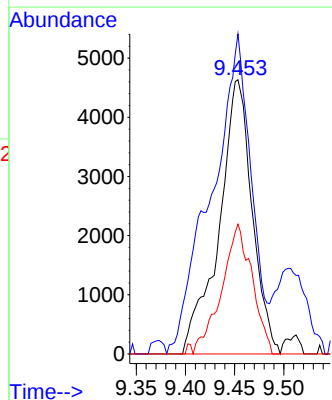
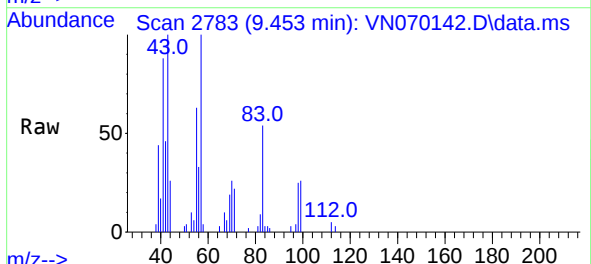


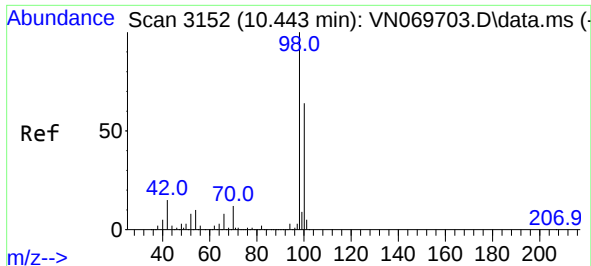
Tgt Ion:117 Resp: 132322
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.386 ug/l
RT: 9.453 min Scan# 2783
Delta R.T. -0.008 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 83 Resp: 10867
Ion Ratio Lower Upper
83 100
55 104.4 58.1 87.1#
98 47.3 38.4 57.6

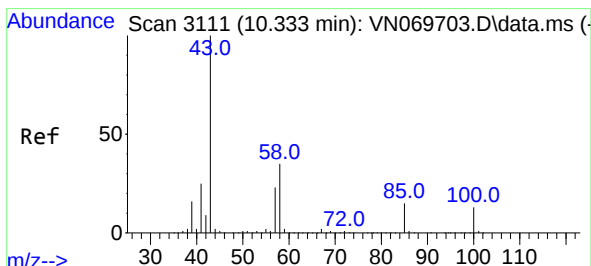
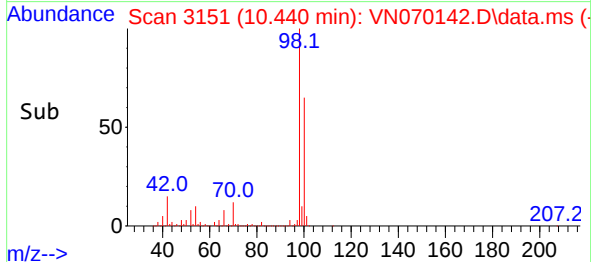
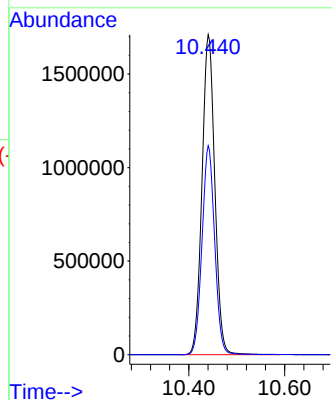
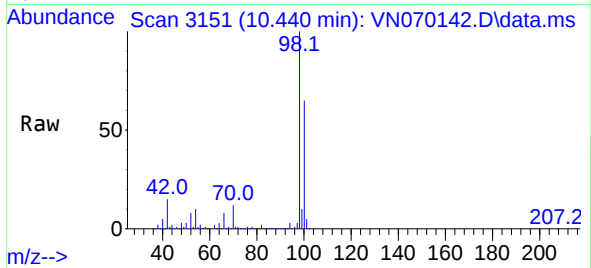




#50
Toluene-d8
Concen: 50.953 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

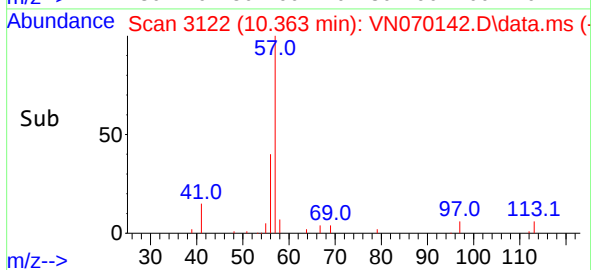
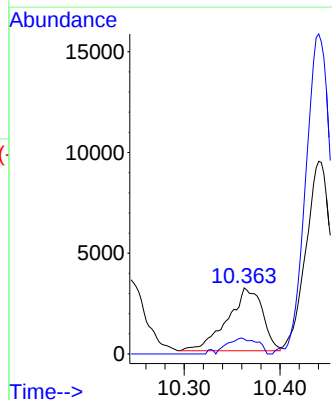
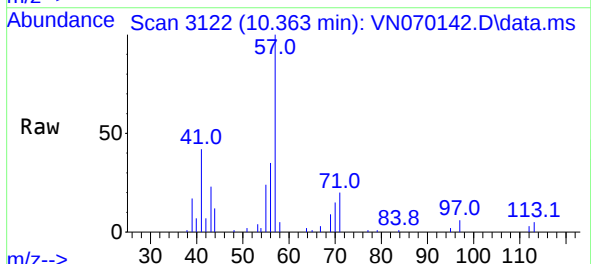
Instrument :
MSVOA_N
ClientSampleId :

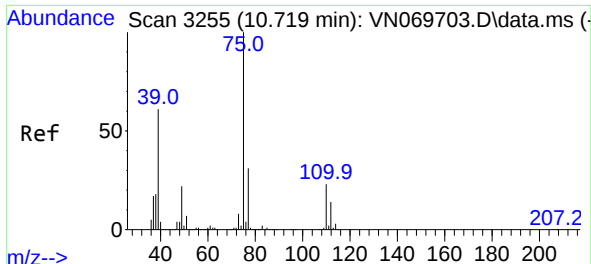
Tgt Ion: 98 Resp: 3182442
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.234 ug/l
RT: 10.363 min Scan# 3122
Delta R.T. 0.030 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

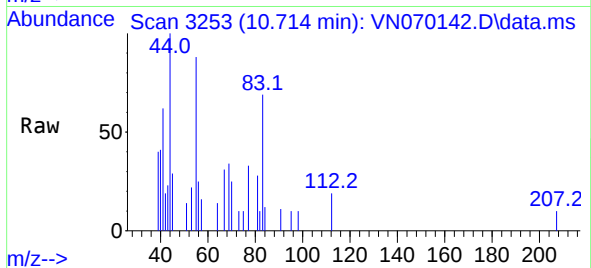
Tgt Ion: 43 Resp: 7917
Ion Ratio Lower Upper
43 100
58 21.6 30.4 45.6#



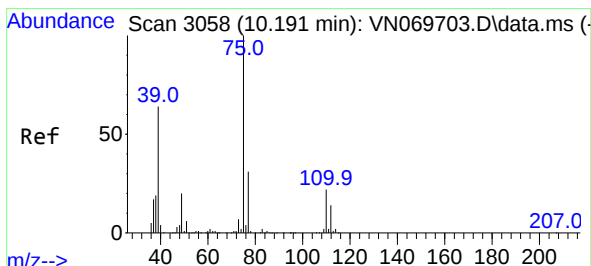
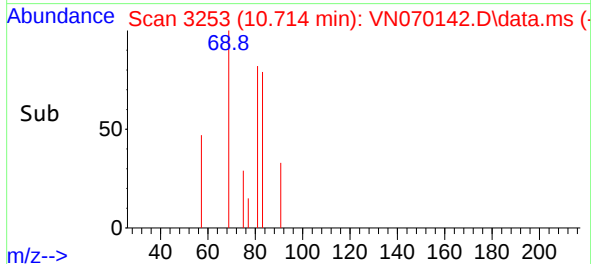
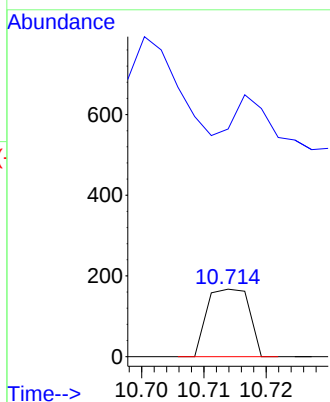


#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.714 min Scan# 3148
Delta R.T. -0.005 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Instrument :
MSVOA_N
ClientSampleId :

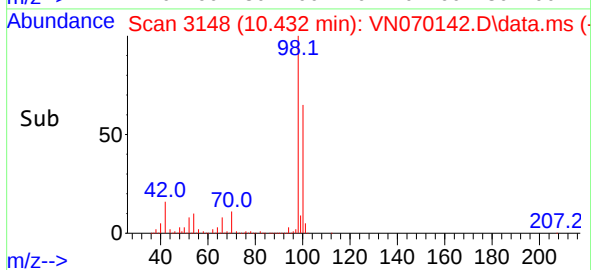
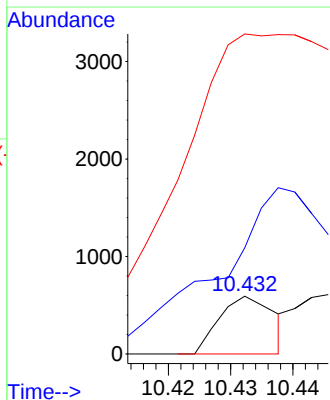
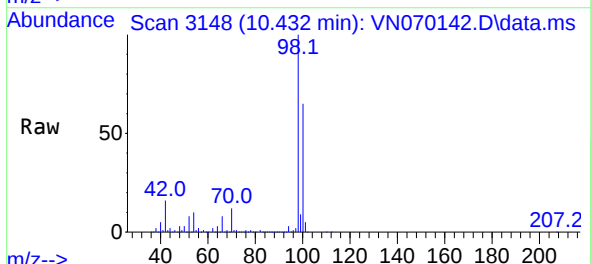


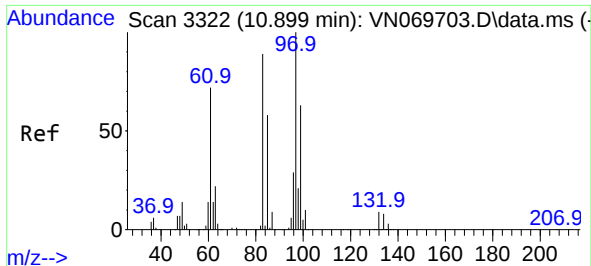
Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
77 12.6 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.010 ug/l
RT: 10.432 min Scan# 3148
Delta R.T. 0.241 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

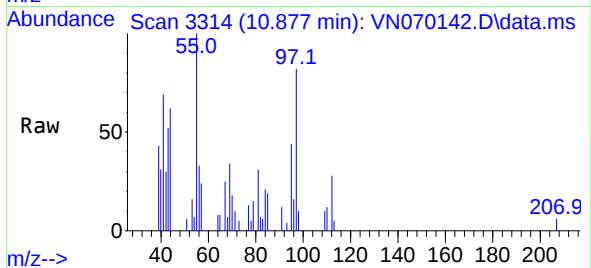
Tgt Ion: 75 Resp: 362
Ion Ratio Lower Upper
75 100
77 78.9 26.4 39.6#
39 252.6 42.5 63.7#



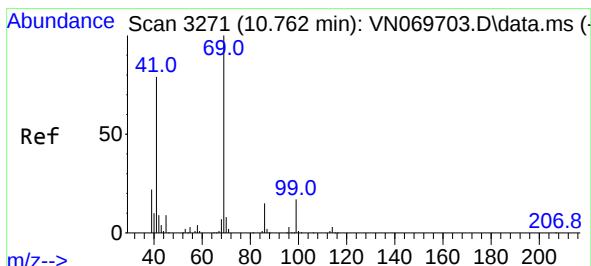
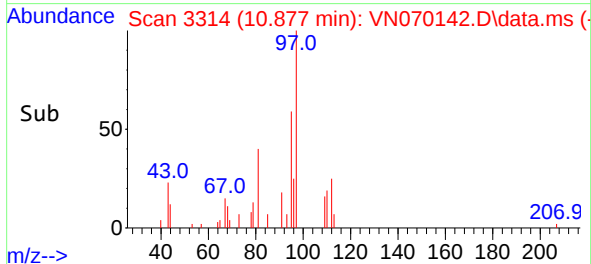
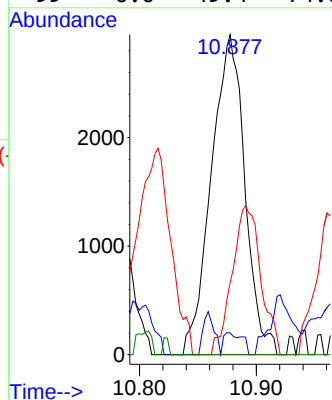


#55
1,1,2-Trichloroethane
Concen: 0.331 ug/l
RT: 10.877 min Scan# 311
Delta R.T. -0.021 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Instrument :
MSVOA_N
ClientSampleId :

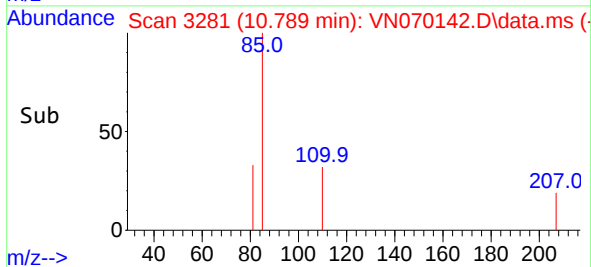
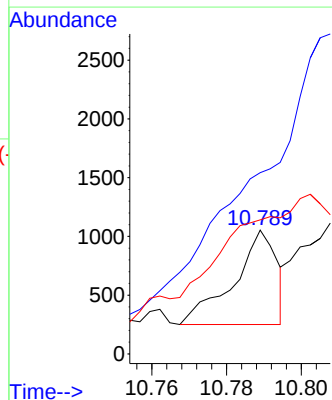
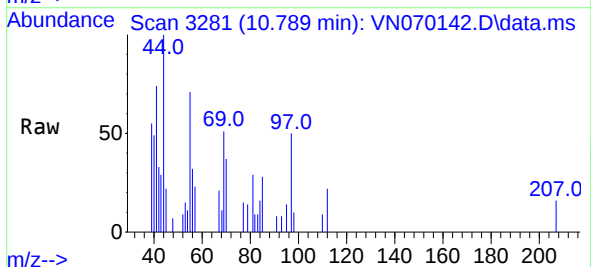


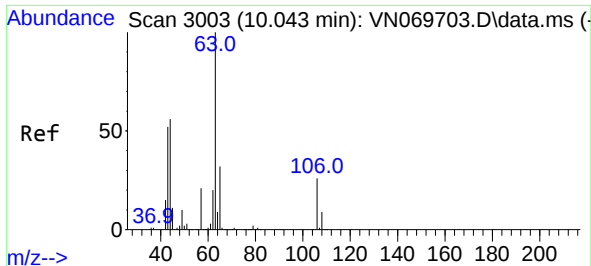
Tgt Ion: 97 Resp: 5884
Ion Ratio Lower Upper
97 100
83 6.8 67.8 101.6#
85 22.5 45.4 68.2#
99 0.0 49.4 74.0#



#56
Ethyl methacrylate
Concen: 2.298 ug/l
RT: 10.789 min Scan# 3281
Delta R.T. 0.027 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 69 Resp: 648
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#

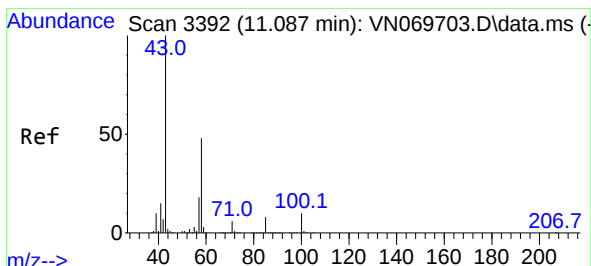
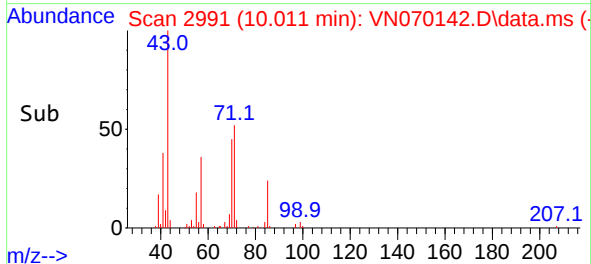
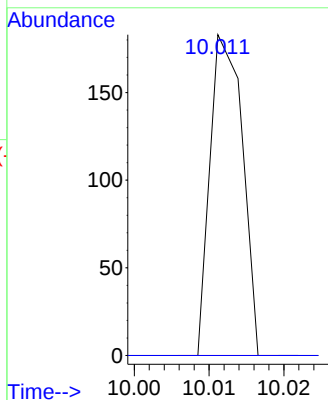
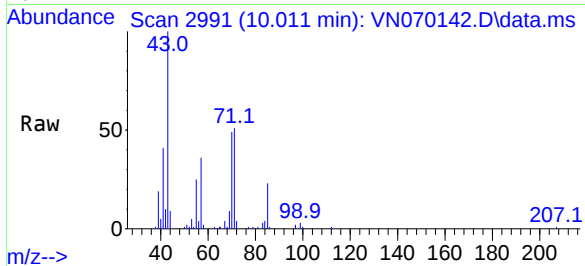




#58
2-Chloroethyl Vinyl ether
Concen: 18.394 ug/l
RT: 10.011 min Scan# 2991
Delta R.T. -0.032 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

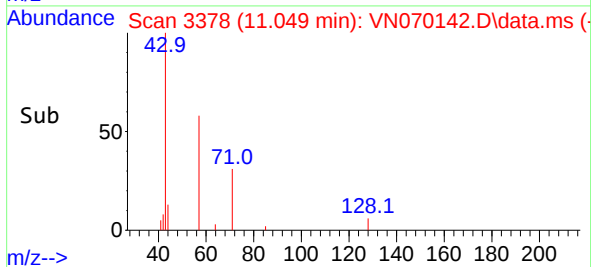
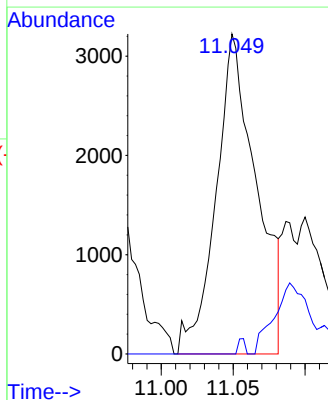
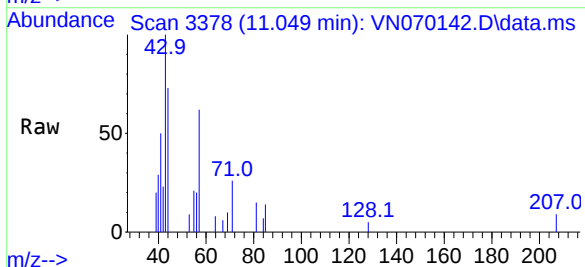
Instrument :
MSVOA_N
ClientSampleId :

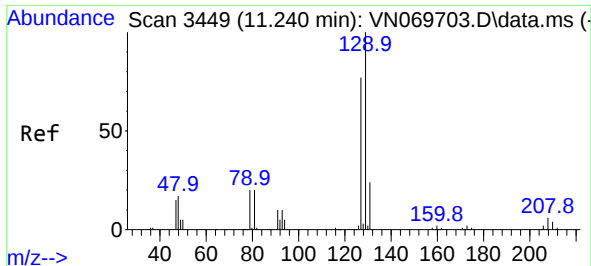
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.245 ug/l
RT: 11.049 min Scan# 3378
Delta R.T. -0.038 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Tgt Ion: 43 Resp: 6263
Ion Ratio Lower Upper
43 100
58 0.8 26.9 80.7#

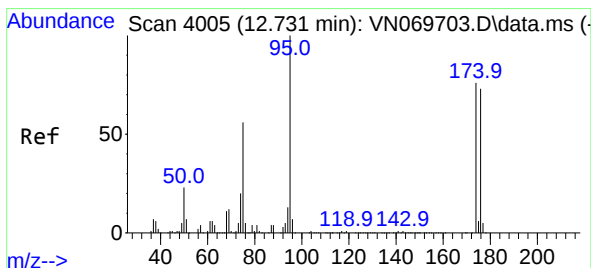
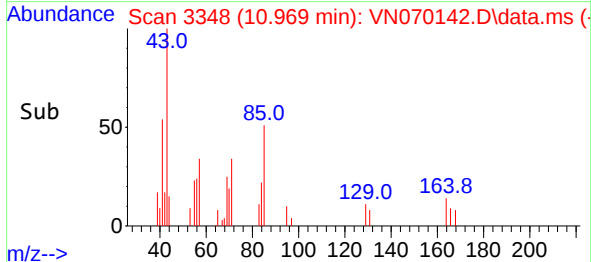
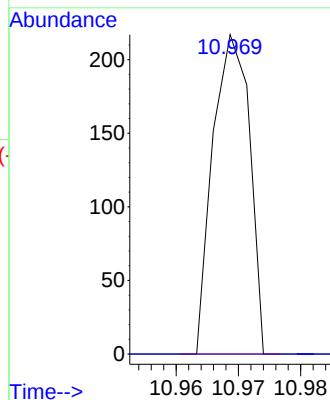
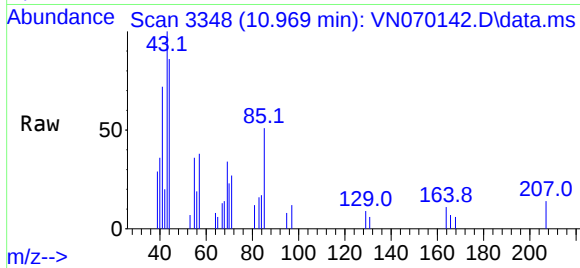




#60
Dibromochloromethane
Concen: 2.381 ug/l
RT: 10.969 min Scan# 31
Delta R.T. -0.271 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

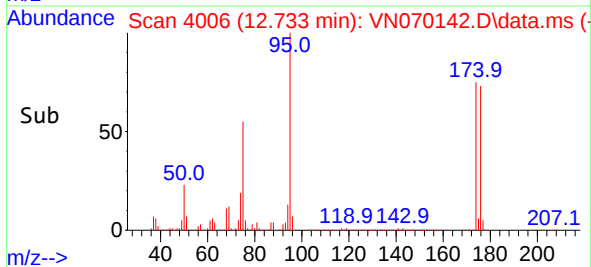
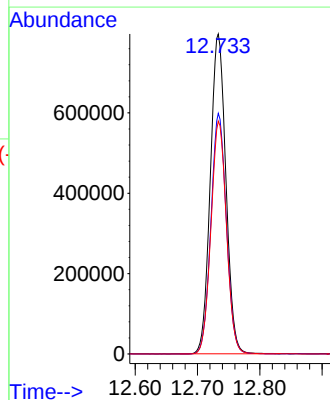
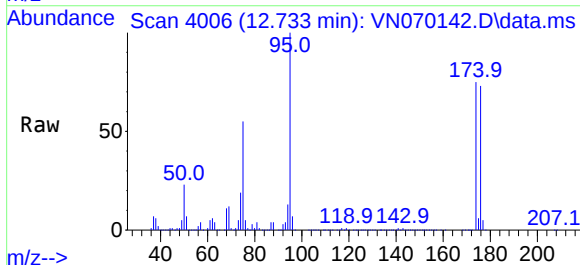
Instrument :
MSVOA_N
ClientSampleId :

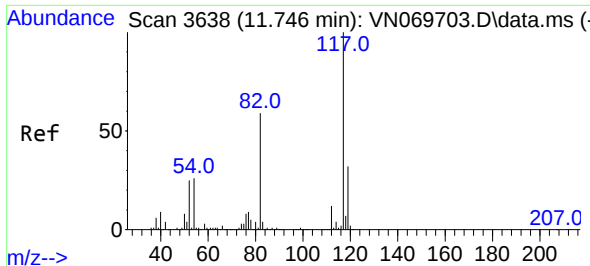
Tgt Ion:129 Resp: 89
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 60.922 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

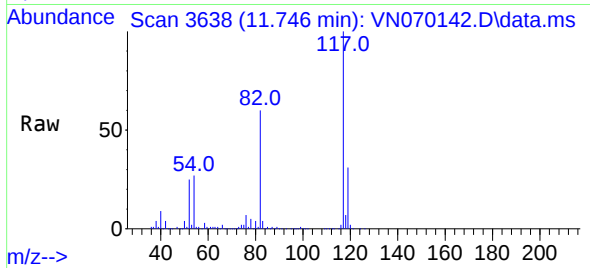
Tgt Ion: 95 Resp: 1378501
Ion Ratio Lower Upper
95 100
174 74.7 0.0 187.2
176 72.5 0.0 181.4



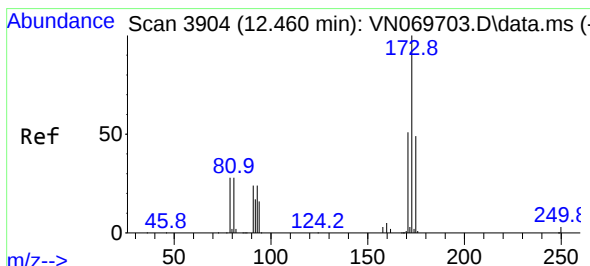
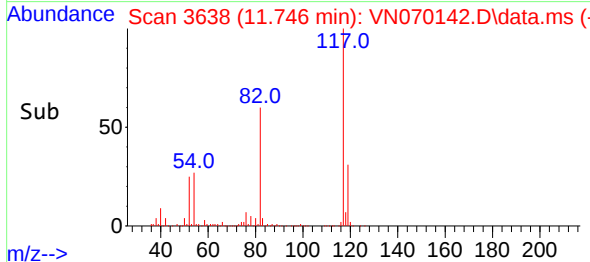
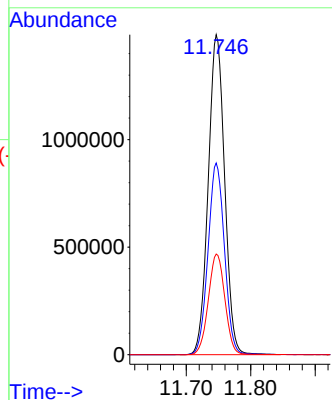


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Instrument :
MSVOA_N
ClientSampleId :

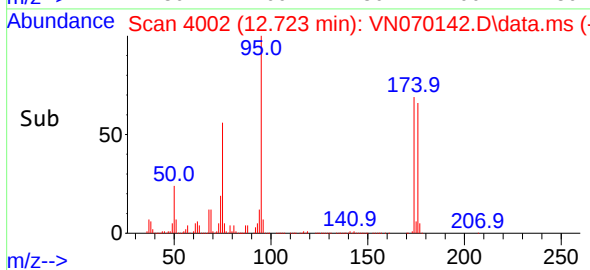
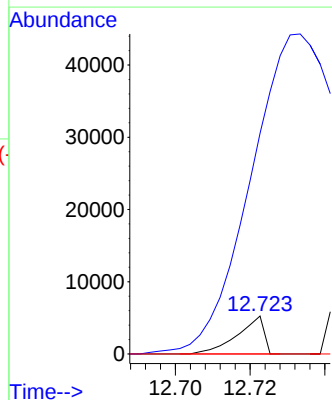
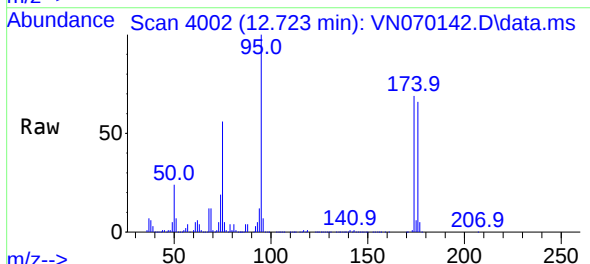


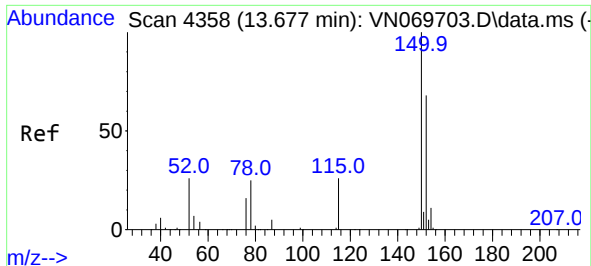
Tgt Ion:117 Resp: 2633276
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 31.5 25.4 38.2



#71
Bromoform
Concen: 2.883 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

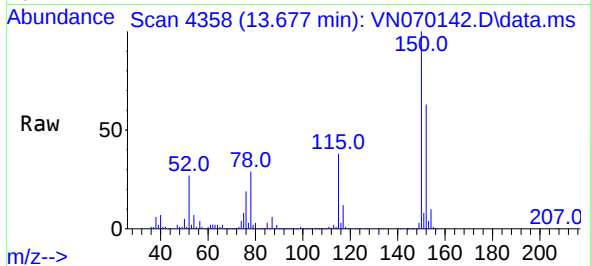
Tgt Ion:173 Resp: 2593
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



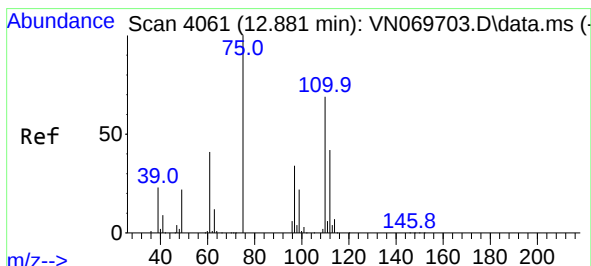
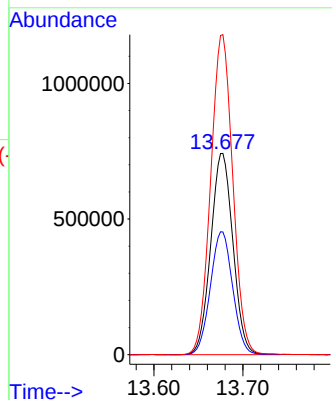
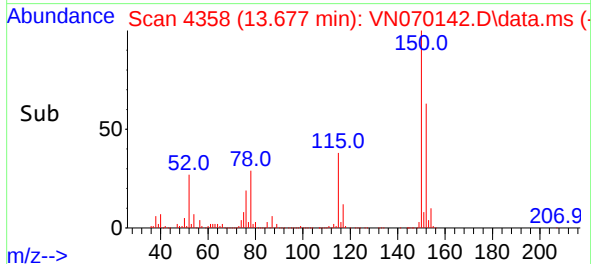


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

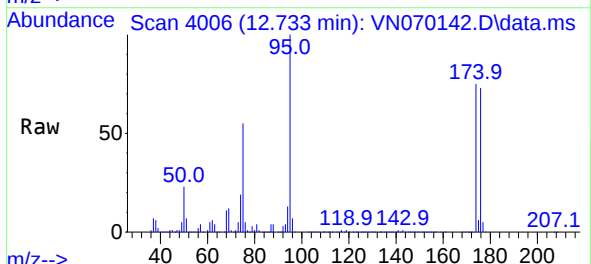
Instrument :
MSVOA_N
ClientSampleId :



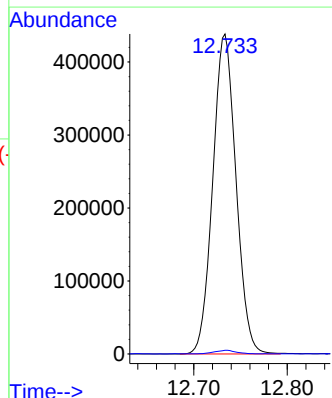
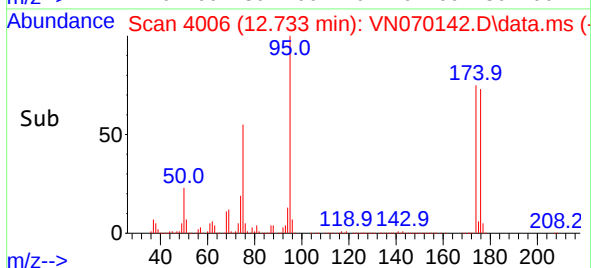
Tgt Ion:152 Resp: 1286678
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 158.0 0.0 344.4

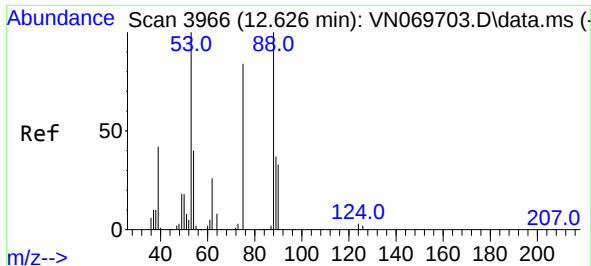


#76
1,2,3-Trichloropropane
Concen: 20.497 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05



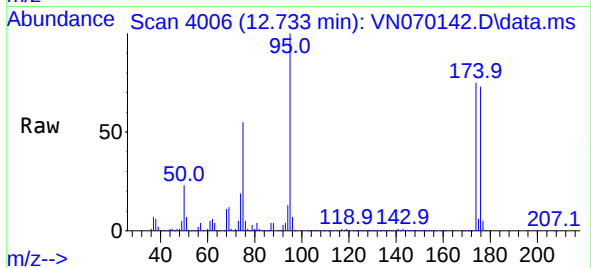
Tgt Ion: 75 Resp: 756322
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



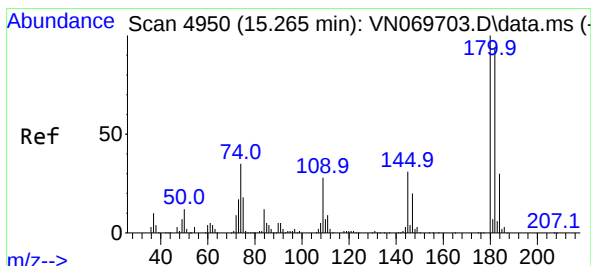
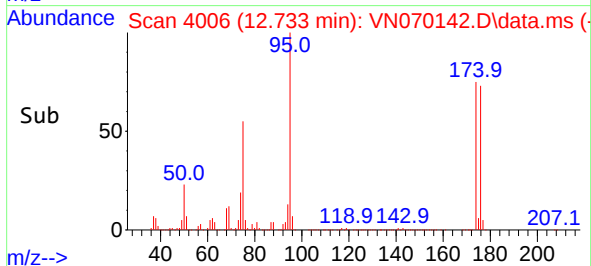
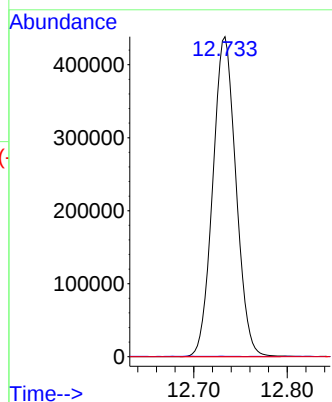


#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.697 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN070142.D
 Acq: 16 Dec 2021 17:05

Instrument :
 MSVOA_N
 ClientSampleId :

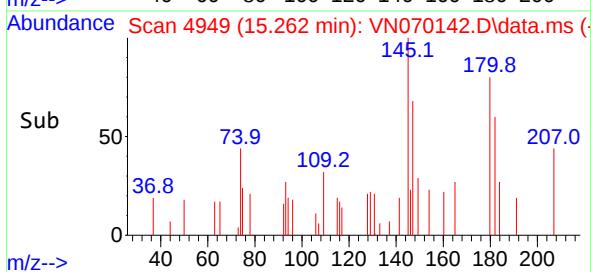
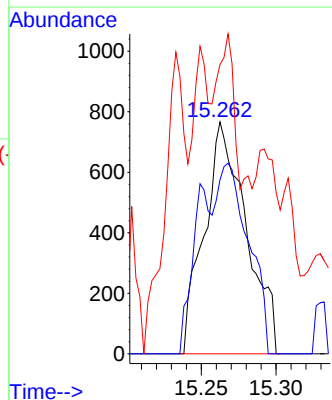
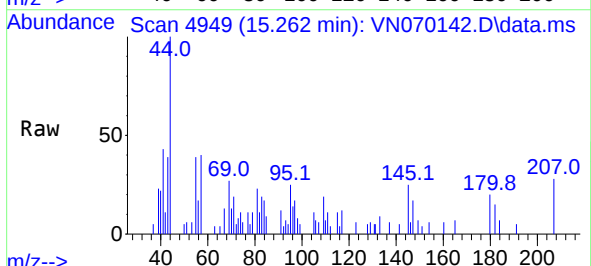


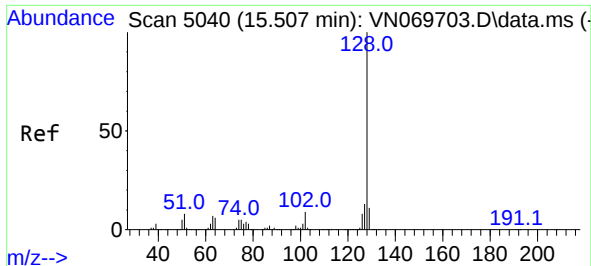
Tgt Ion: 75 Resp: 756322
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.945 ug/l
 RT: 15.262 min Scan# 4949
 Delta R.T. -0.003 min
 Lab File: VN070142.D
 Acq: 16 Dec 2021 17:05

Tgt Ion: 180 Resp: 1494
 Ion Ratio Lower Upper
 180 100
 182 62.9 48.3 144.9
 145 0.0 14.5 43.5#

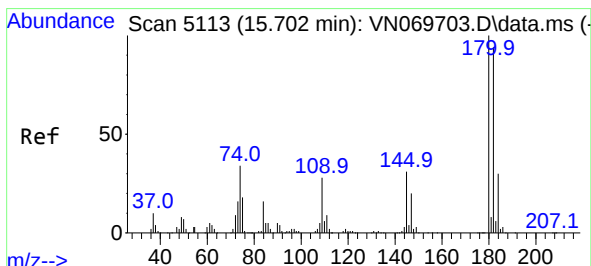
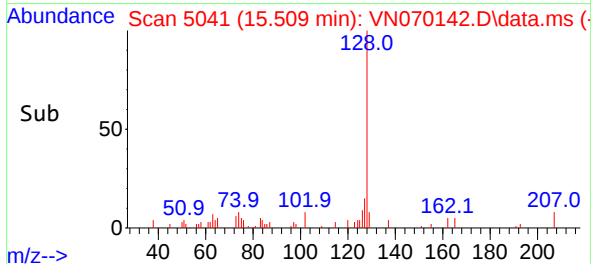
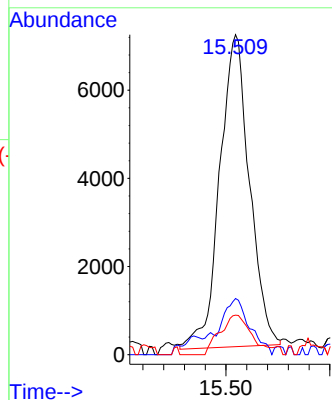
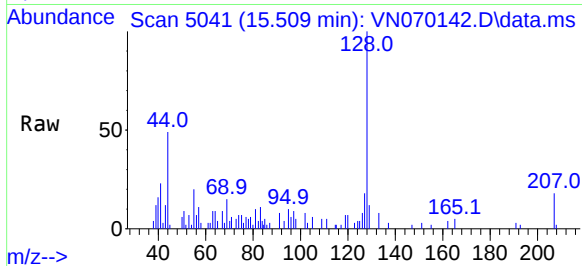




#95
Naphthalene
Concen: 4.192 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	14123
Ion Ratio	Lower	Upper	
128	100		
127	15.8	10.5	15.7#
129	13.3	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.523 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN070142.D
Acq: 16 Dec 2021 17:05

Tgt Ion:	180	Resp:	1894
Ion Ratio	Lower	Upper	
180	100		
182	79.6	47.4	142.2
145	56.1	15.0	45.1#

