

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070358.D
 Acq On : 29 Dec 2021 19:15
 Operator : JC/MD
 Sample : M5128-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 01:52:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

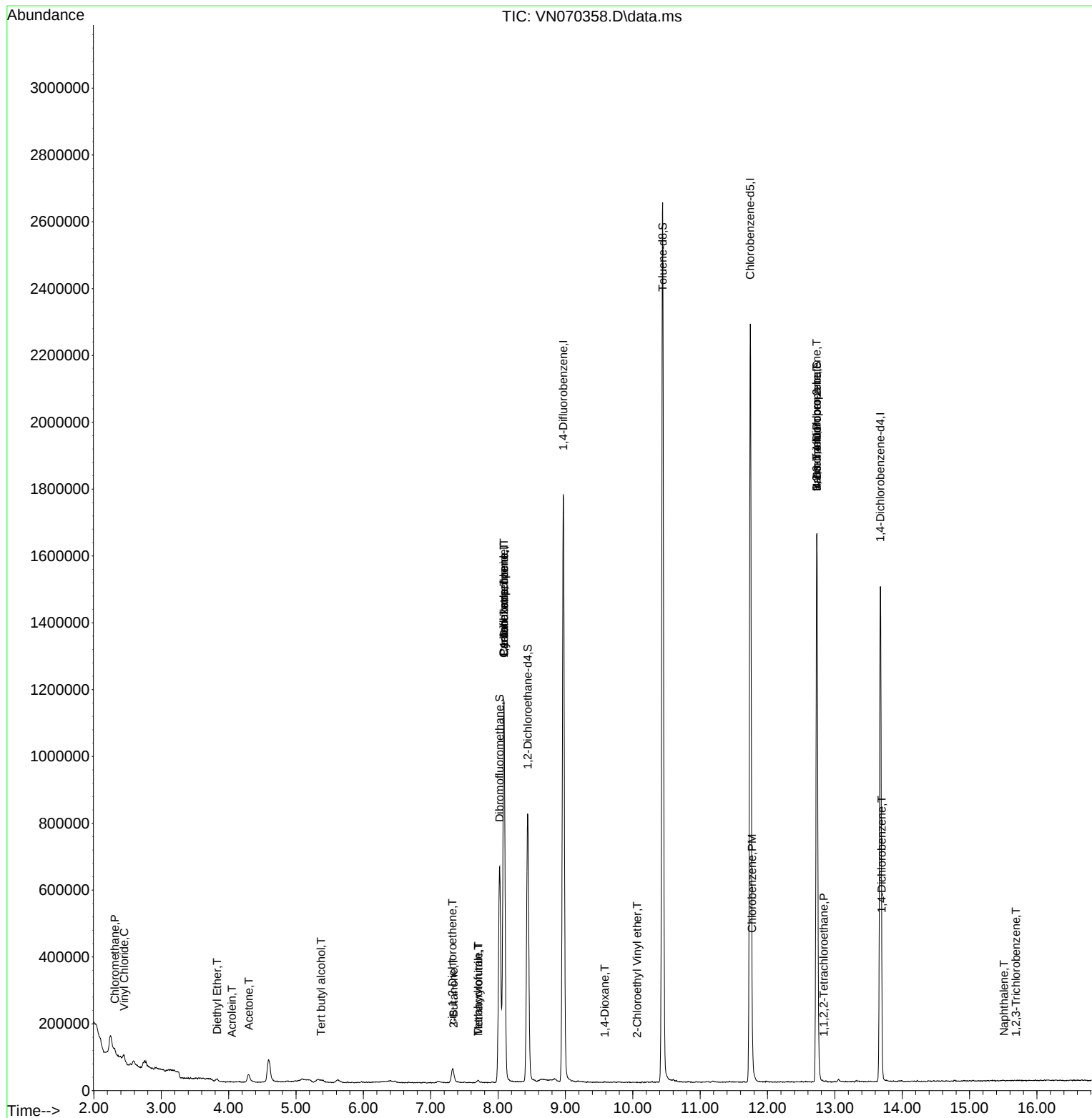
Internal Standards						
1) Pentafluorobenzene	8.086	168	867983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1484206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1320646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	414057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	676896	54.239	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.480%			
35) Dibromofluoromethane	8.024	113	476751	53.089	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.180%			
50) Toluene-d8	10.443	98	1804856	49.199	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.734	95	595871	44.972	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.940%			
Target Compounds						Qvalue
3) Chloromethane	2.309	50	2856	0.213	ug/l	98
4) Vinyl Chloride	2.448	62	15634	1.282	ug/l	94
8) Diethyl Ether	3.829	74	4429	0.685	ug/l	92
11) Tert butyl alcohol	5.372	59	820	0.395	ug/l #	9
13) Acrolein	4.047	56	1187	0.704	ug/l #	35
16) Acetone	4.299	43	38452	4.746	ug/l	99
25) 2-Butanone	7.340	43	4716	0.462	ug/l #	87
27) cis-1,2-Dichloroethene	7.324	96	13326	1.193	ug/l	79
29) Tetrahydrofuran	7.705	42	5940	0.976	ug/l #	74
31) Cyclohexane	8.086	56	20986	1.066	ug/l #	19
36) 1,1-Dichloropropene	8.088	75	71373	4.804	ug/l #	49
38) Carbon Tetrachloride	8.088	117	86148	6.073	ug/l #	17
41) Methacrylonitrile	7.708	41	3545	0.368	ug/l #	22
49) 1,4-Dioxane	9.582	88	508	2.396	ug/l #	74
58) 2-Chloroethyl Vinyl ether	10.065	63	56	18.524	ug/l #	45
65) Chlorobenzene	11.771	112	23276	0.831	ug/l	98
71) Bromoform	12.731	173	2057	0.277	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.835	83	26	0.449	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	316230	27.121	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	316230	93.311	ug/l #	5
88) 1,4-Dichlorobenzene	13.696	146	5414	0.371	ug/l #	53
95) Naphthalene	15.509	128	1642	1.881	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.689	180	253	0.864	ug/l #	60

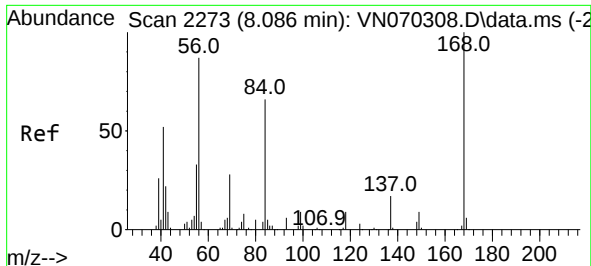
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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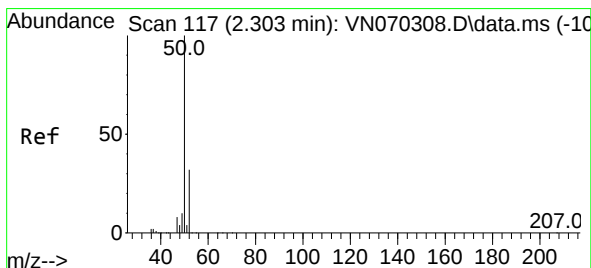
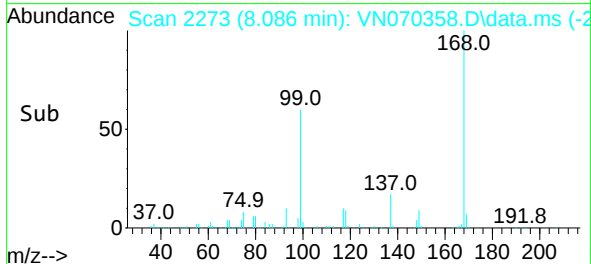
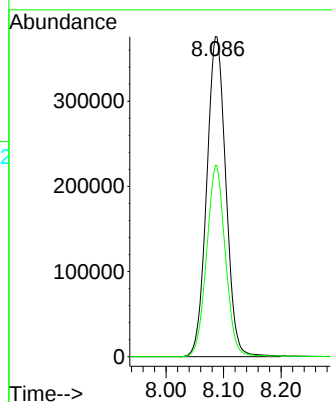
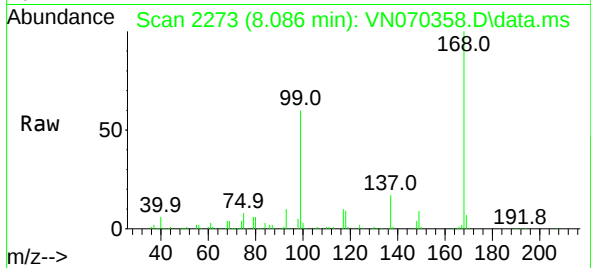




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

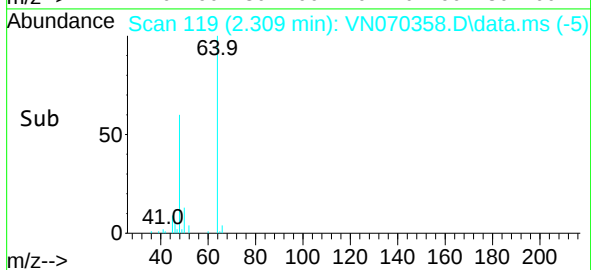
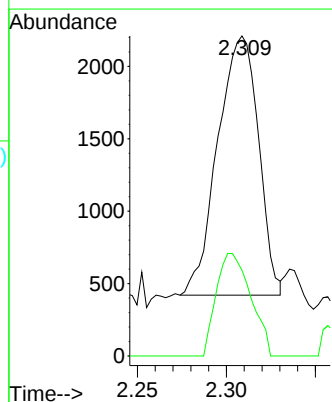
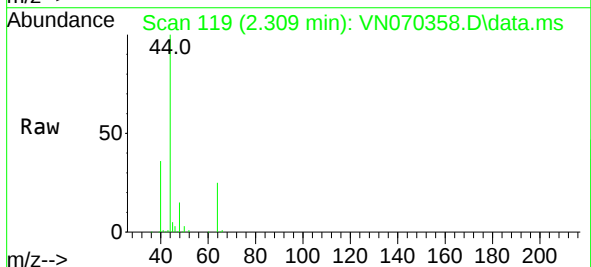
Instrument :
MSVOA_N
ClientSampleId :

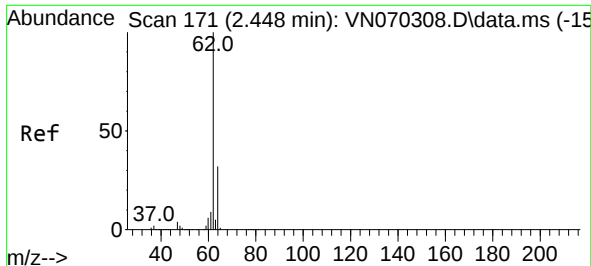
Tgt Ion:168 Resp: 867983
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#3
Chloromethane
Concen: 0.213 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

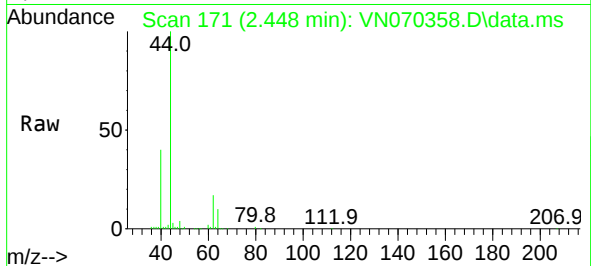
Tgt Ion: 50 Resp: 2856
Ion Ratio Lower Upper
50 100
52 33.1 25.4 38.0



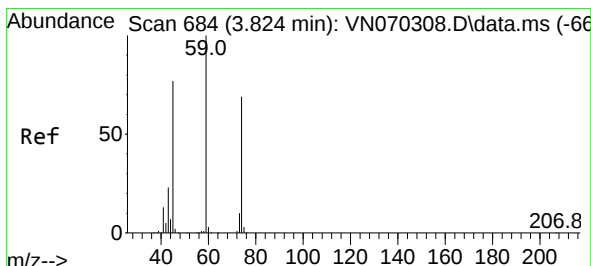
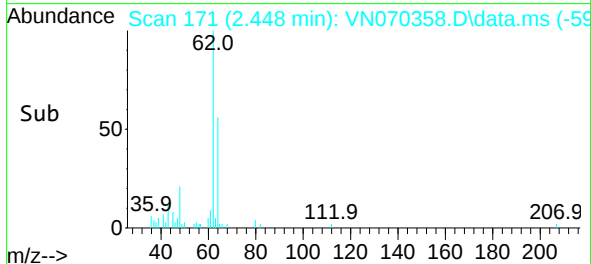
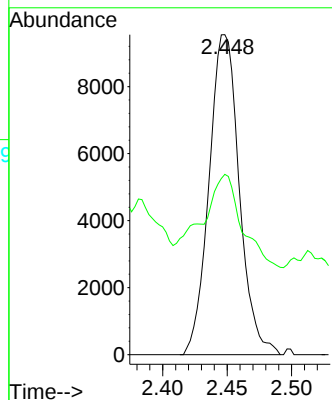


#4
 Vinyl Chloride
 Concen: 1.282 ug/l
 RT: 2.448 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN070358.D
 Acq: 29 Dec 2021 19:15

Instrument :
 MSVOA_N
 ClientSampleId :

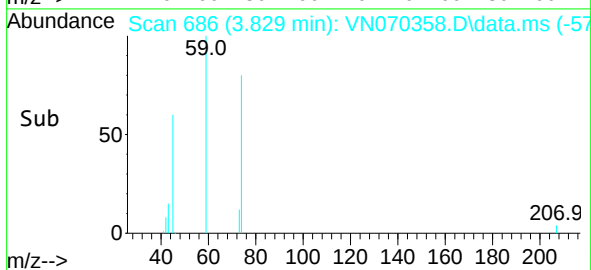
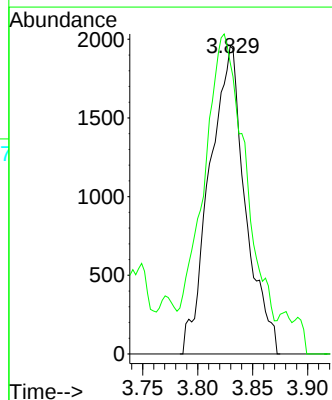
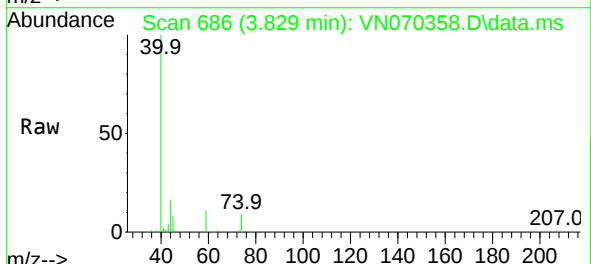


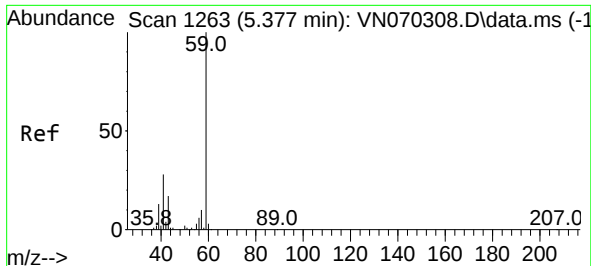
Tgt Ion: 62 Resp: 15634
 Ion Ratio Lower Upper
 62 100
 64 29.1 25.8 38.6



#8
 Diethyl Ether
 Concen: 0.685 ug/l
 RT: 3.829 min Scan# 686
 Delta R.T. 0.005 min
 Lab File: VN070358.D
 Acq: 29 Dec 2021 19:15

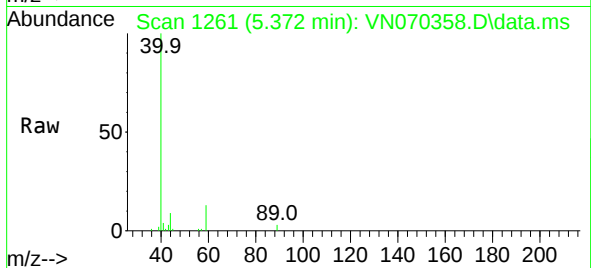
Tgt Ion: 74 Resp: 4429
 Ion Ratio Lower Upper
 74 100
 45 101.5 47.0 141.2



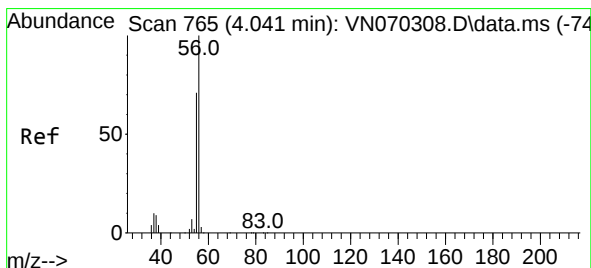
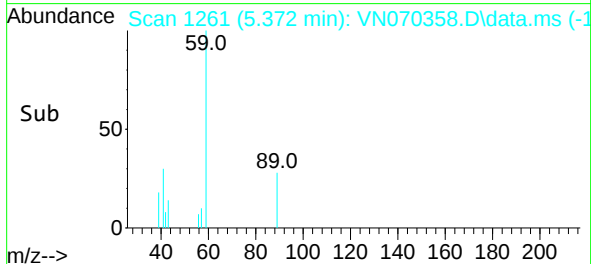
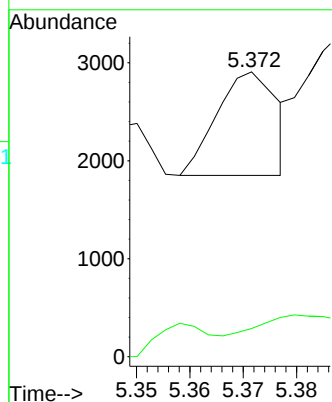


#11
Tert butyl alcohol
Concen: 0.395 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

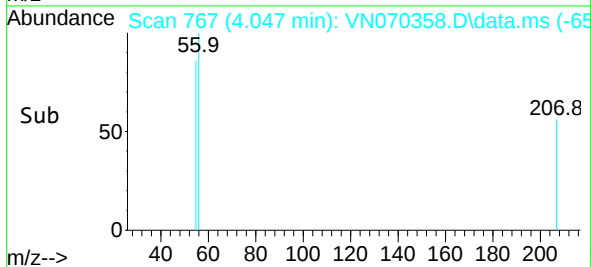
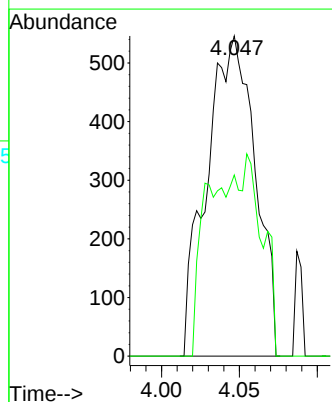
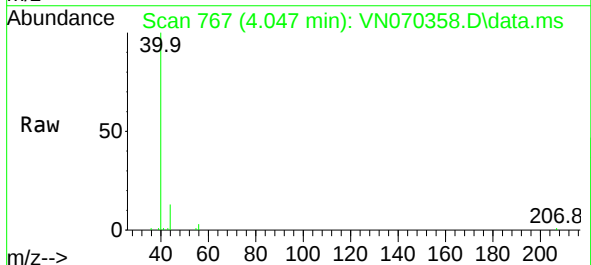


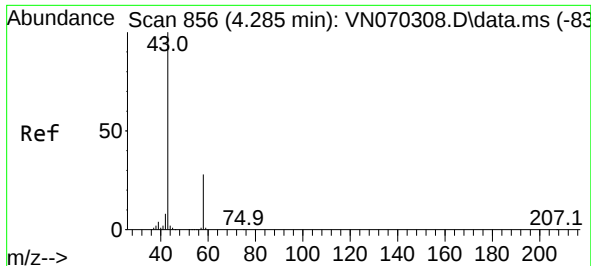
Tgt Ion: 59 Resp: 820
Ion Ratio Lower Upper
59 100
57 45.4 8.7 13.1#



#13
Acrolein
Concen: 0.704 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.006 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Tgt Ion: 56 Resp: 1187
Ion Ratio Lower Upper
56 100
55 17.0 56.6 85.0#

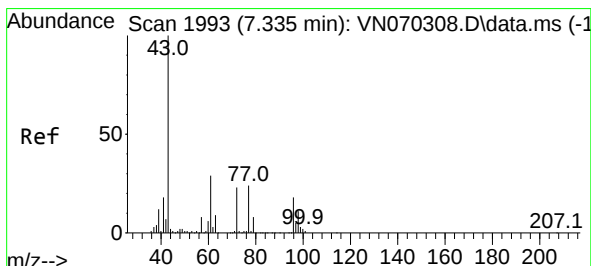
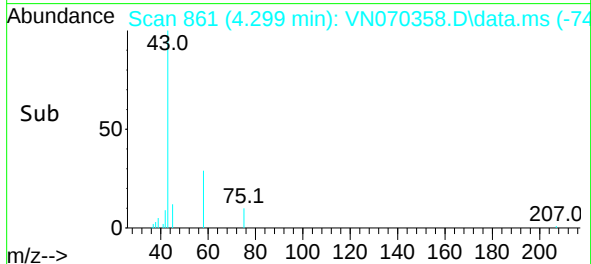
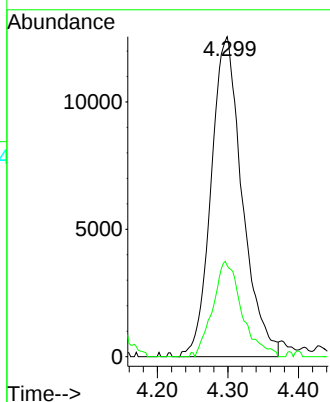
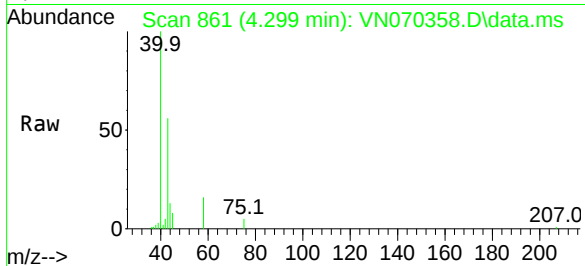




#16
Acetone
Concen: 4.746 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.014 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

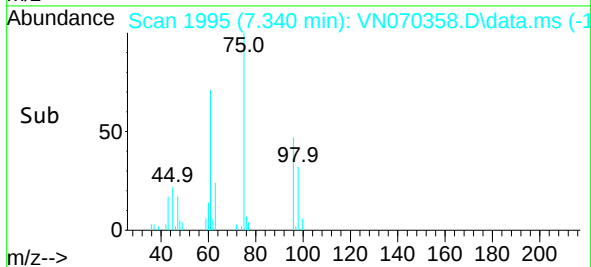
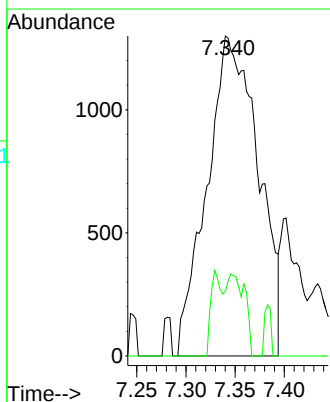
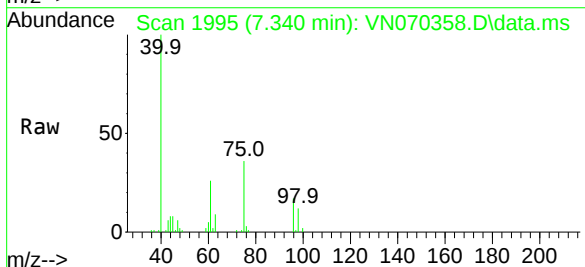
Instrument :
MSVOA_N
ClientSampleId :

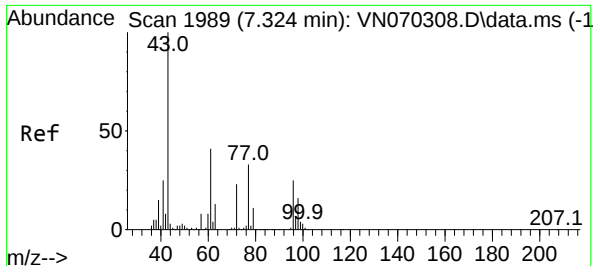
Tgt Ion: 43 Resp: 38452
Ion Ratio Lower Upper
43 100
58 28.5 23.1 34.7



#25
2-Butanone
Concen: 0.462 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Tgt Ion: 43 Resp: 4716
Ion Ratio Lower Upper
43 100
72 20.3 21.7 32.5#





#27

cis-1,2-Dichloroethene

Concen: 1.193 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. 0.000 min

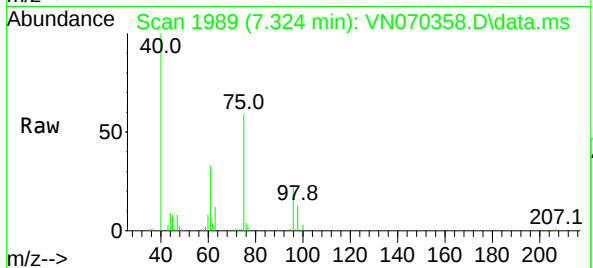
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Acq: 29 Dec 2021 19:15

Instrument :

MSVOA_N

ClientSampleId :



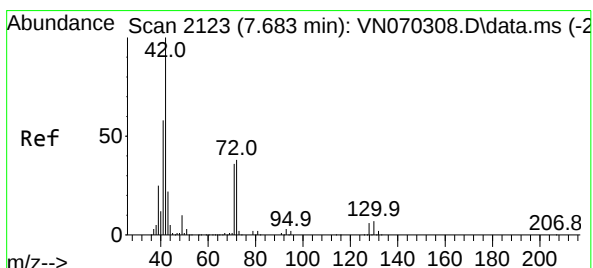
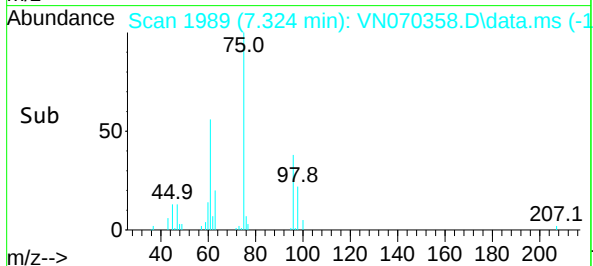
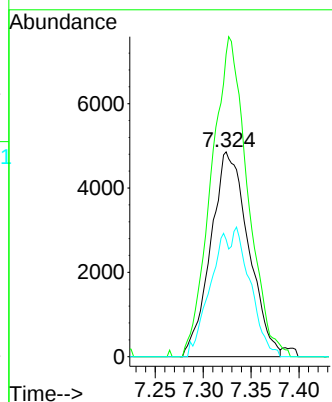
Tgt Ion: 96 Resp: 13326

Ion Ratio Lower Upper

96 100

61 149.8 0.0 275.0

98 31.1 0.0 129.6



#29

Tetrahydrofuran

Concen: 0.976 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.022 min

Lab File: VN070358.D

Acq: 29 Dec 2021 19:15

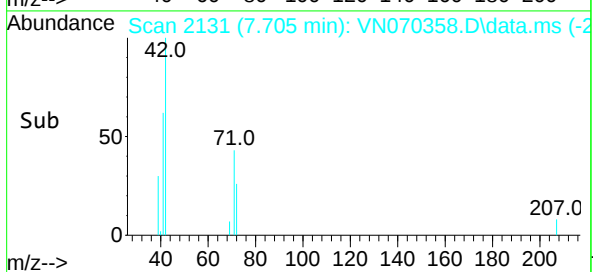
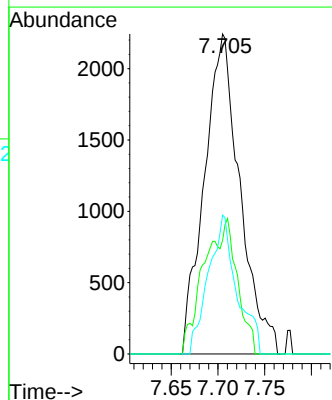
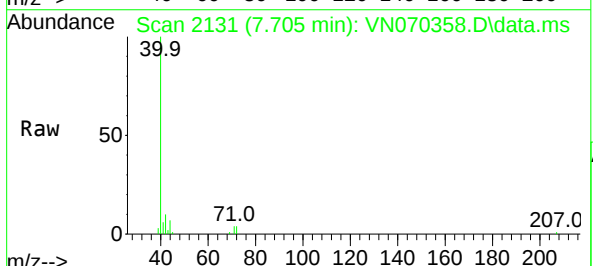
Tgt Ion: 42 Resp: 5940

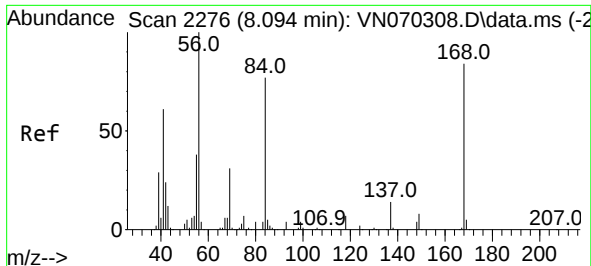
Ion Ratio Lower Upper

42 100

72 21.3 36.3 54.5#

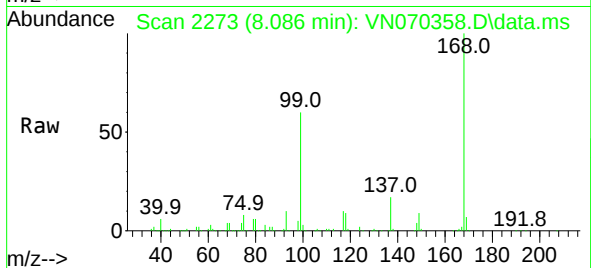
71 34.5 34.7 52.1#



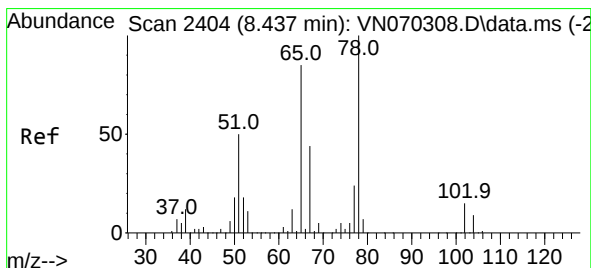
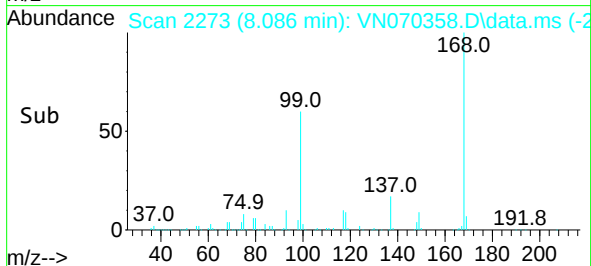
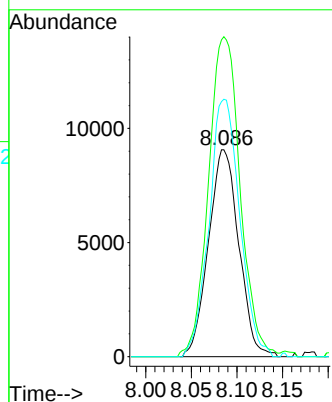


#31
Cyclohexane
Concen: 1.066 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

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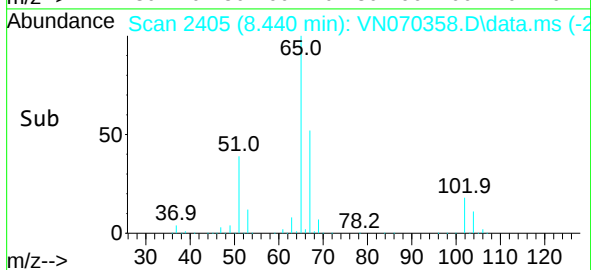
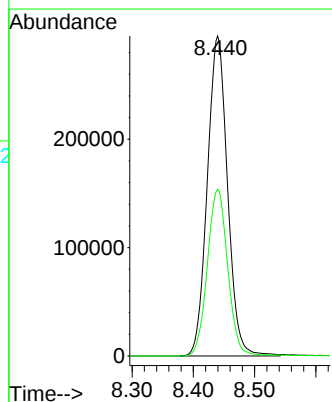
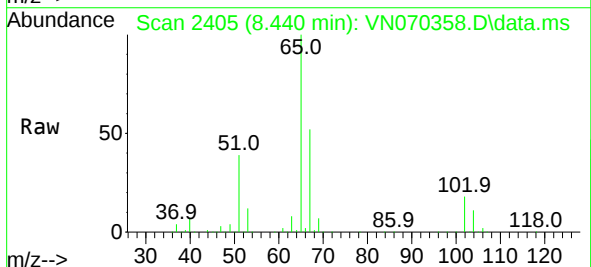


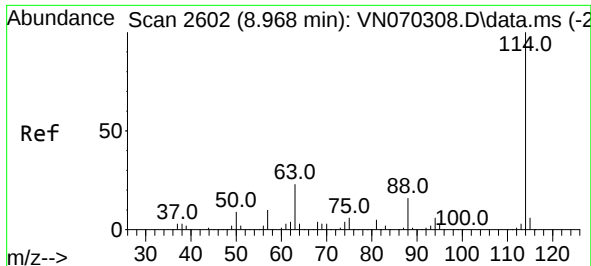
Tgt Ion: 56 Resp: 20986
Ion Ratio Lower Upper
56 100
69 152.8 27.1 40.7#
84 124.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.239 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Tgt Ion: 65 Resp: 676896
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN070358.D

Acq: 29 Dec 2021 19:15

Instrument :

MSVOA_N

ClientSampleId :

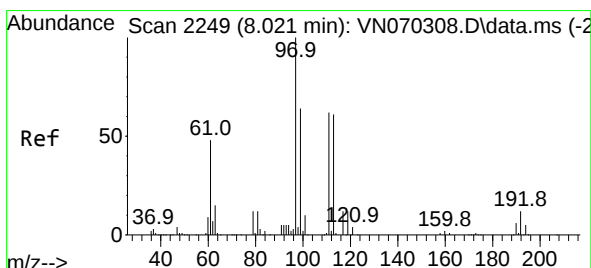
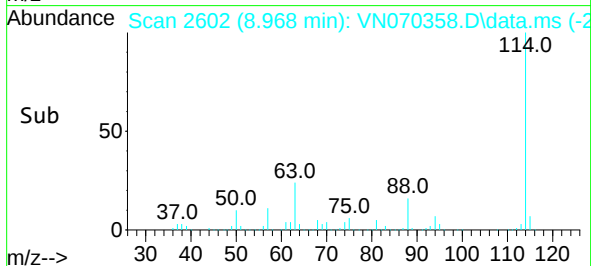
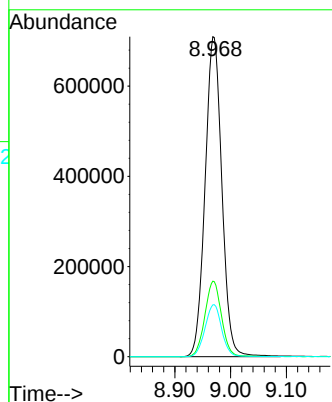
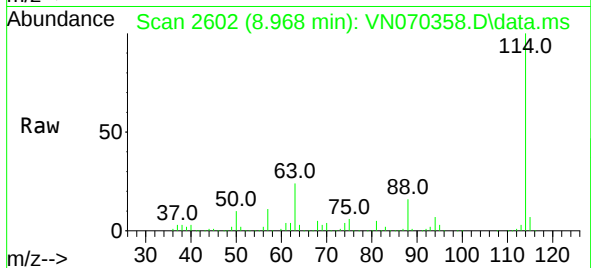
Tgt Ion:114 Resp: 1484206

Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 53.089 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN070358.D

Acq: 29 Dec 2021 19:15

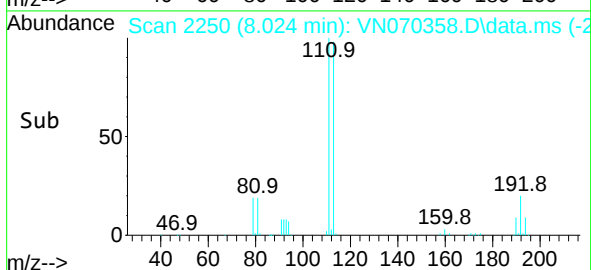
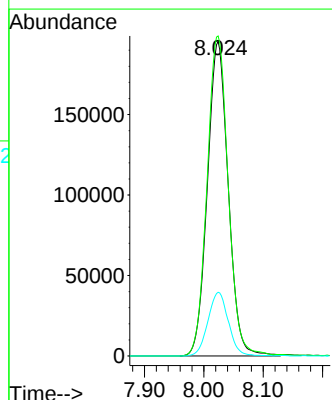
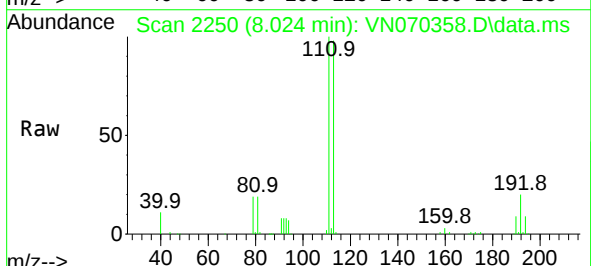
Tgt Ion:113 Resp: 476751

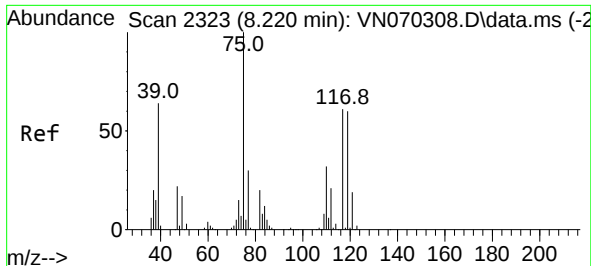
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 19.9 16.9 25.3

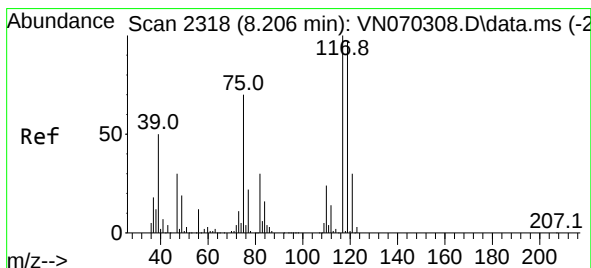
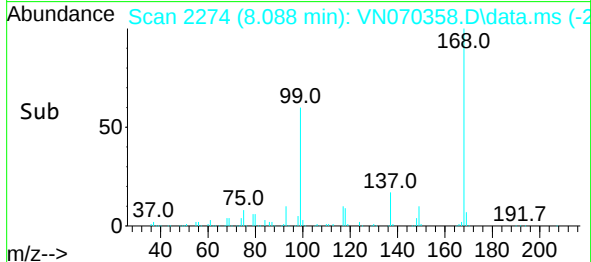
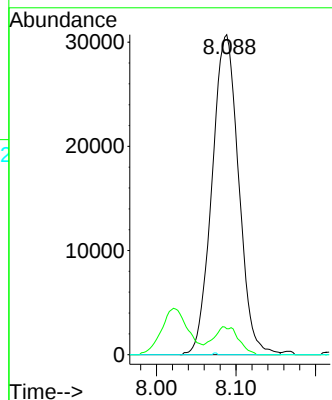
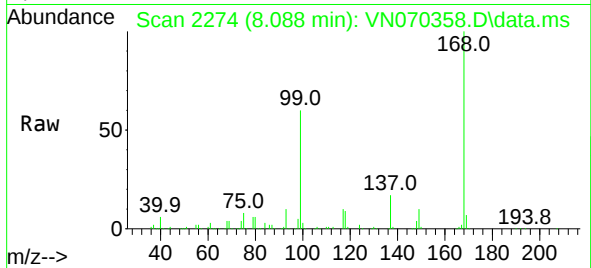




#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.132 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

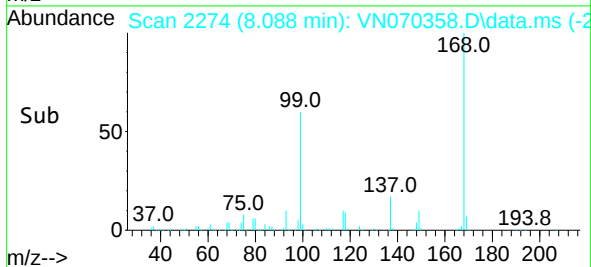
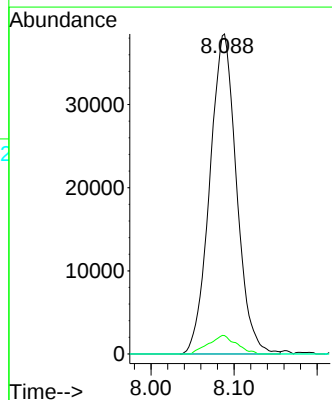
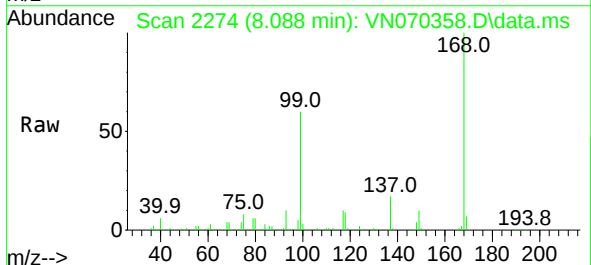
Instrument :
MSVOA_N
ClientSampleId :

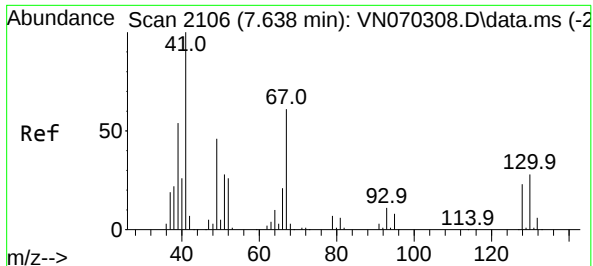
Tgt Ion: 75 Resp: 71373
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.1 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.073 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Tgt Ion: 117 Resp: 86148
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.2 36.2#

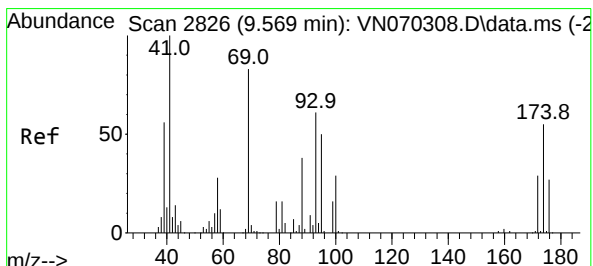
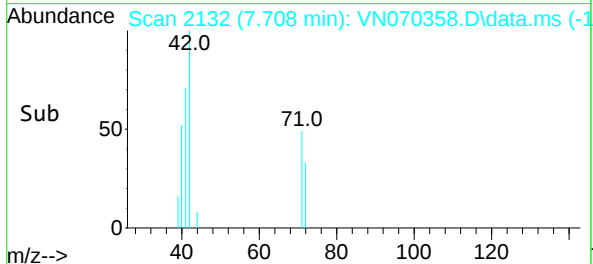
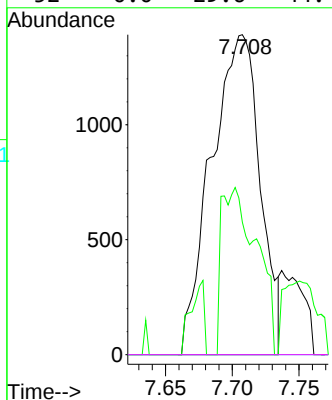
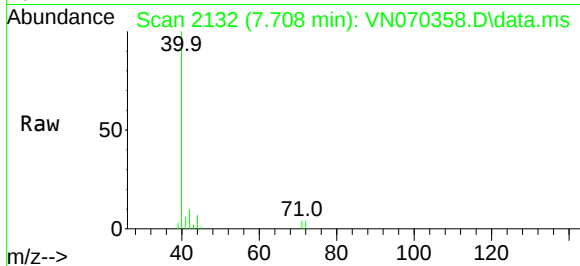




#41
Methacrylonitrile
Concen: 0.368 ug/l
RT: 7.708 min Scan# 2106
Delta R.T. 0.070 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

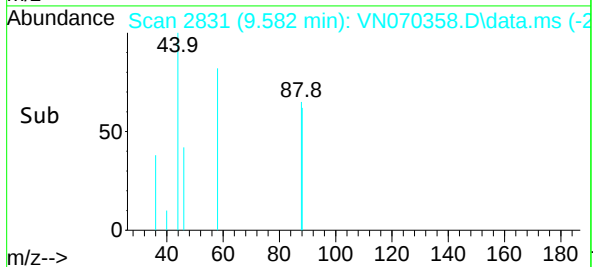
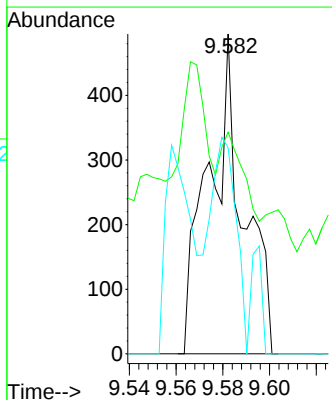
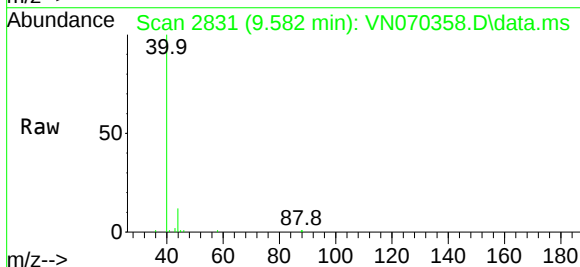
Instrument :
MSVOA_N
ClientSampleId :

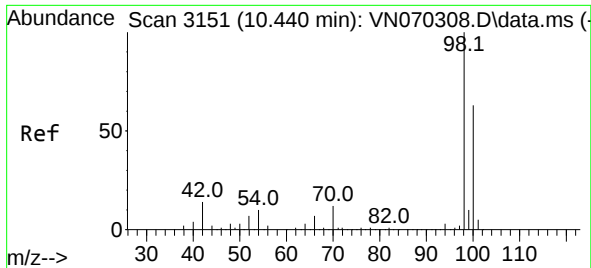
Tgt Ion: 41	Resp:	3545
Ion Ratio	Lower	Upper
41	100	
39	9.2	48.1 72.1#
67	0.0	68.3 102.5#
52	0.0	29.6 44.4#



#49
1,4-Dioxane
Concen: 2.396 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.013 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Tgt Ion: 88	Resp:	508
Ion Ratio	Lower	Upper
88	100	
43	0.0	23.4 35.2#
58	53.3	50.6 75.8

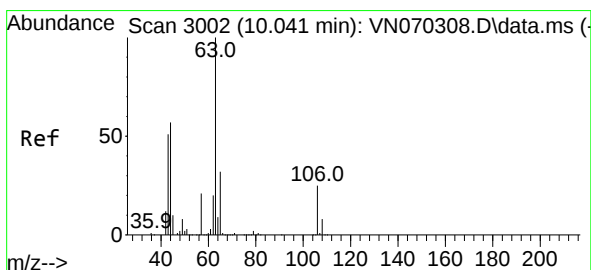
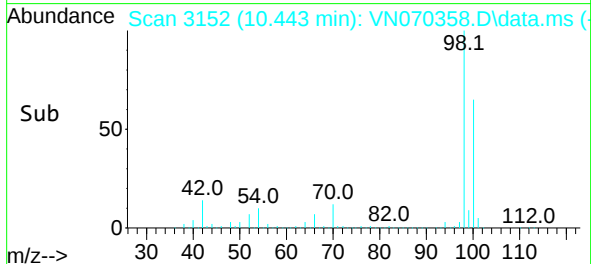
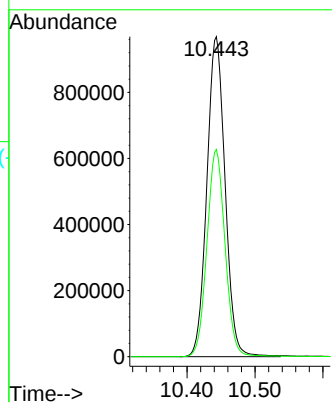
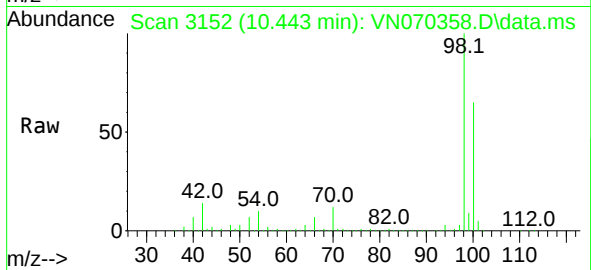




#50
Toluene-d8
Concen: 49.199 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

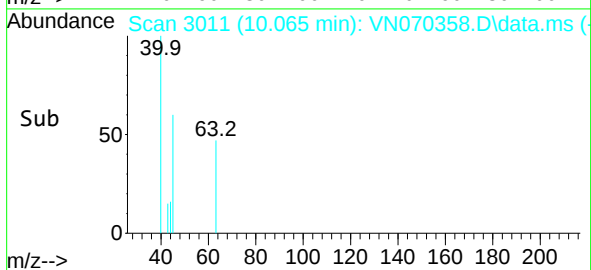
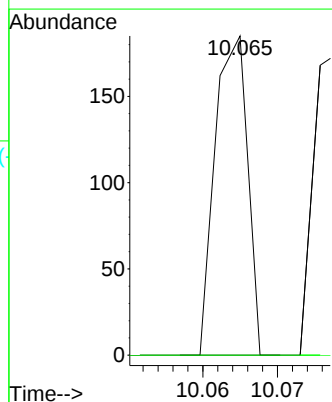
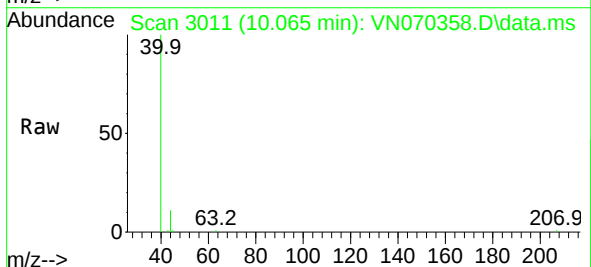
Instrument :
MSVOA_N
ClientSampleId :

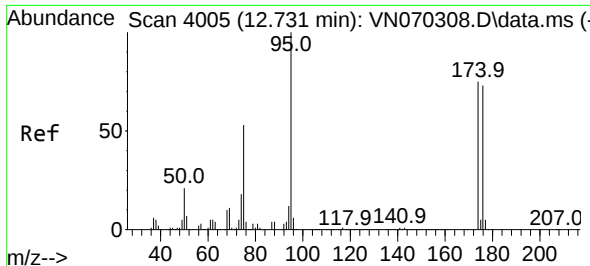
Tgt Ion: 98 Resp: 1804856
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.524 ug/l
RT: 10.065 min Scan# 3011
Delta R.T. 0.024 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

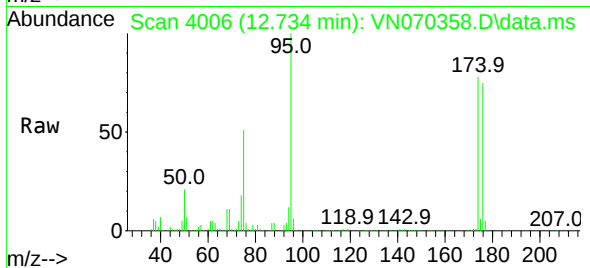
Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



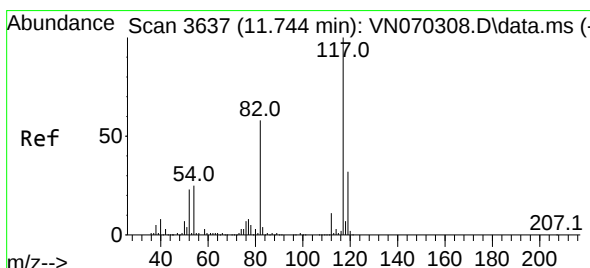
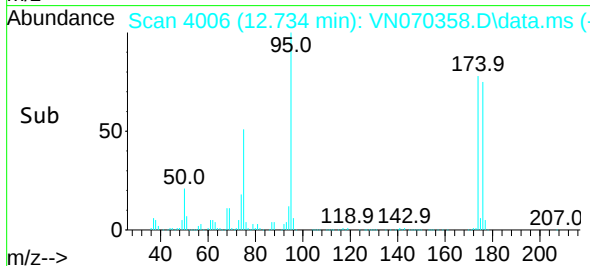
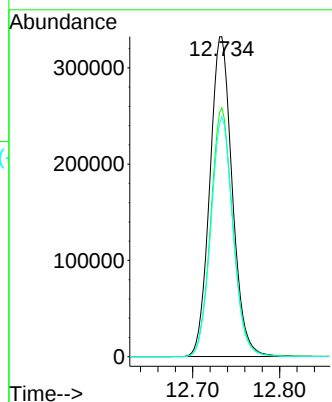


#62
4-Bromofluorobenzene
Concen: 44.972 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

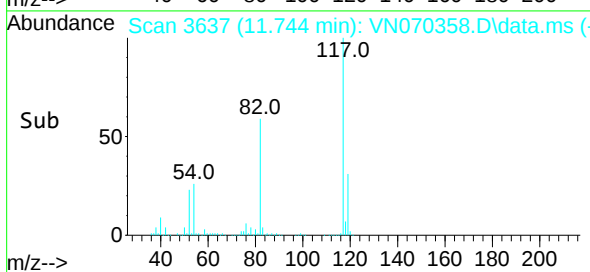
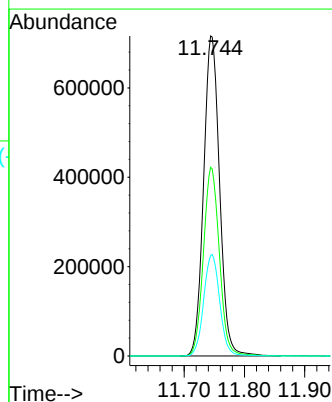
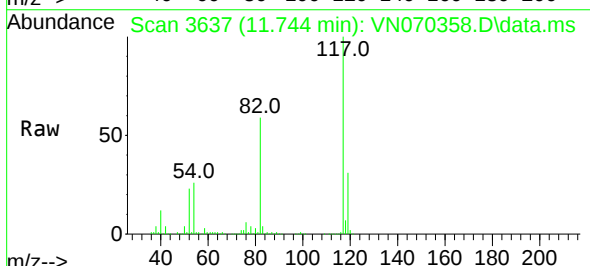


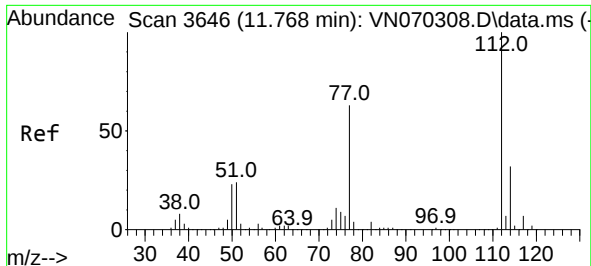
Tgt Ion: 95 Resp: 595871
Ion Ratio Lower Upper
95 100
174 77.1 0.0 187.2
176 74.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Tgt Ion: 117 Resp: 1320646
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 31.4 25.4 38.2

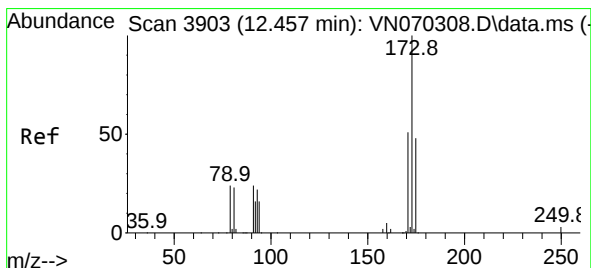
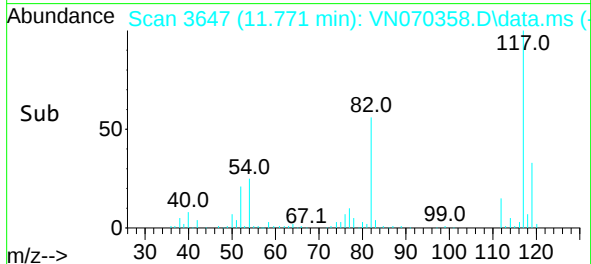
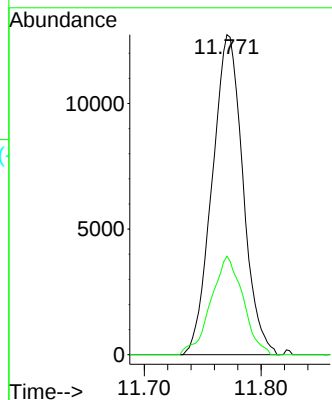
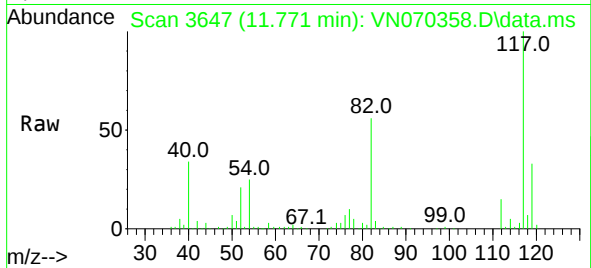




#65
Chlorobenzene
Concen: 0.831 ug/l
RT: 11.771 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

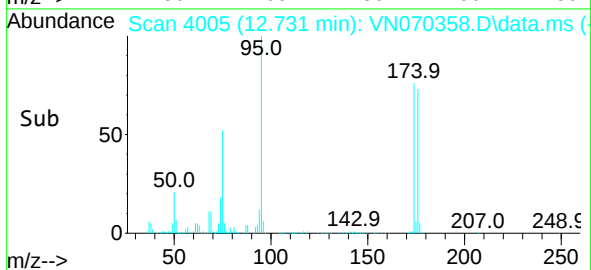
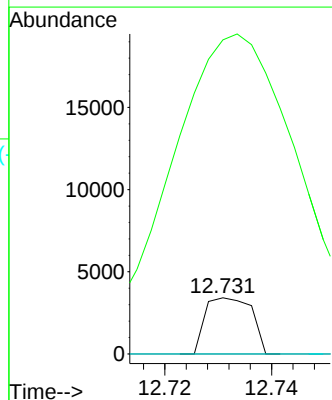
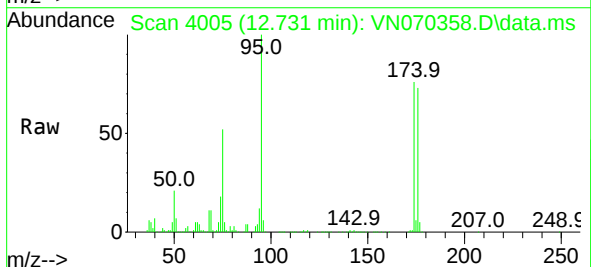
Instrument :
MSVOA_N
ClientSampleId :

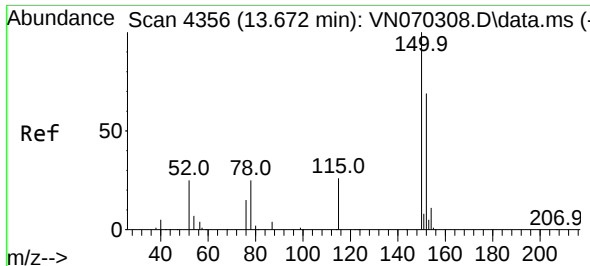
Tgt Ion:112 Resp: 23276
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.0



#71
Bromoform
Concen: 0.277 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Tgt Ion:173 Resp: 2057
Ion Ratio Lower Upper
173 100
175 1484.2 24.2 72.6#
254 0.0 0.0 0.0

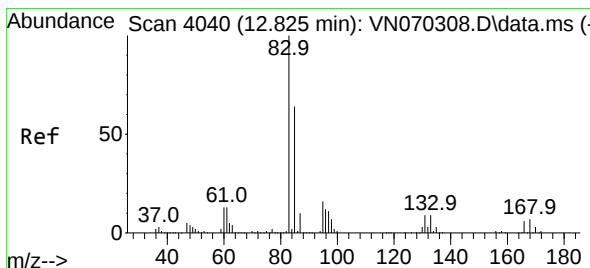
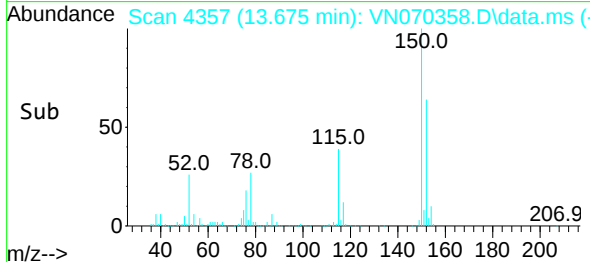
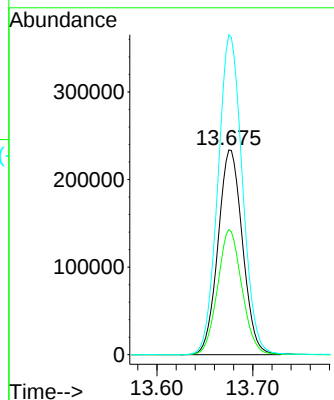
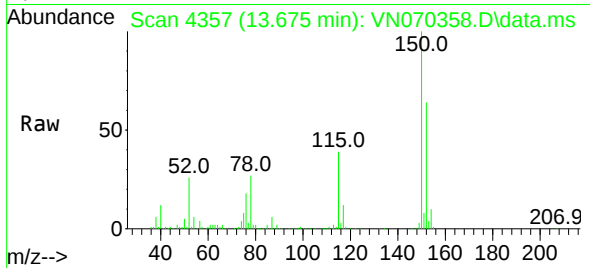




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070358.D
 Acq: 29 Dec 2021 19:15

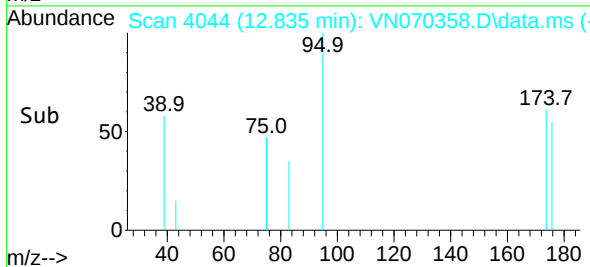
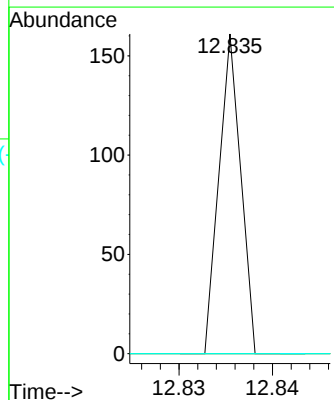
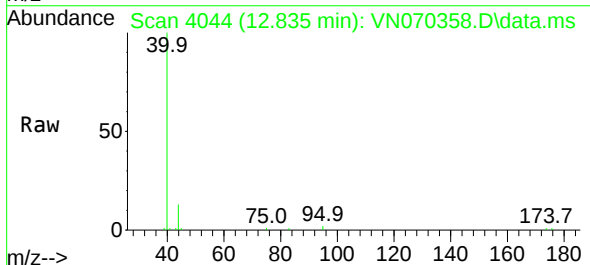
Instrument :
 MSVOA_N
 ClientSampleId :

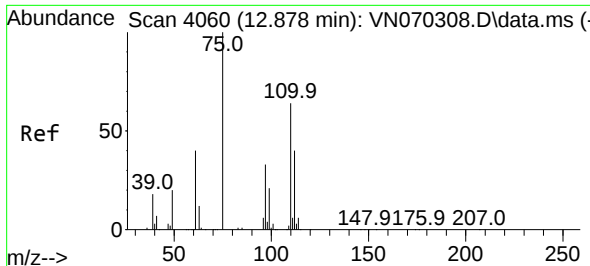
Tgt Ion:152 Resp: 414057
 Ion Ratio Lower Upper
 152 100
 115 60.7 27.5 82.5
 150 156.8 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.449 ug/l
 RT: 12.835 min Scan# 4044
 Delta R.T. 0.010 min
 Lab File: VN070358.D
 Acq: 29 Dec 2021 19:15

Tgt Ion: 83 Resp: 26
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

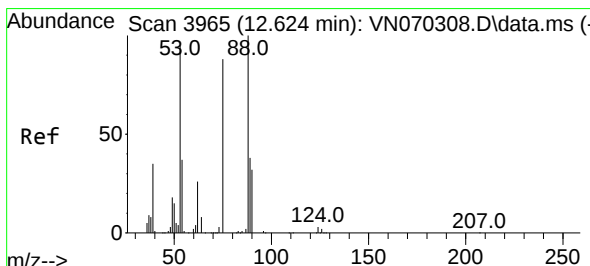
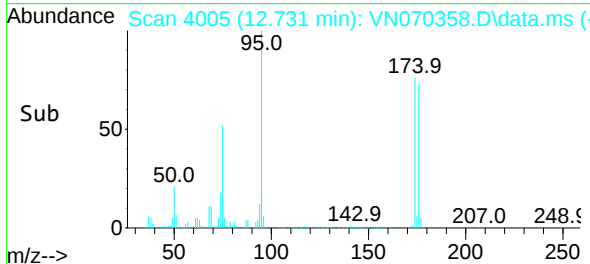
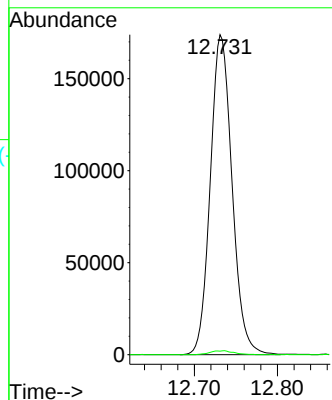
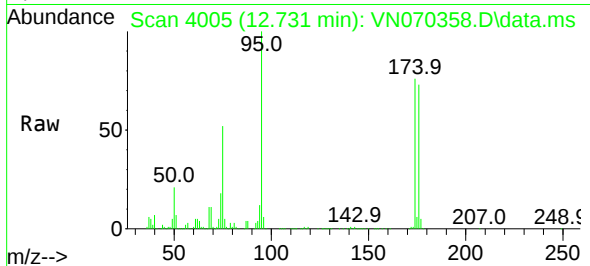




#76
1,2,3-Trichloropropane
Concen: 27.121 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

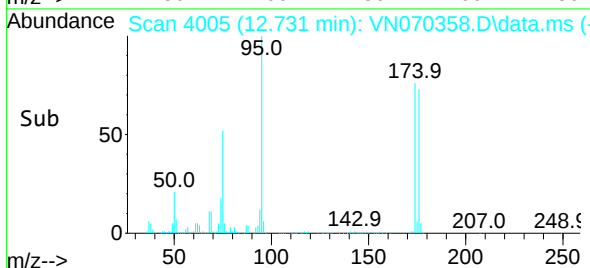
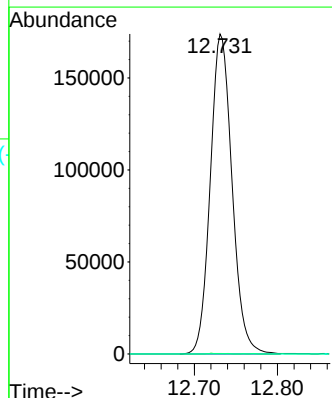
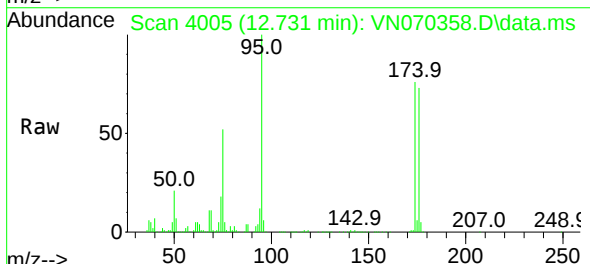
Instrument :
MSVOA_N
ClientSampleId :

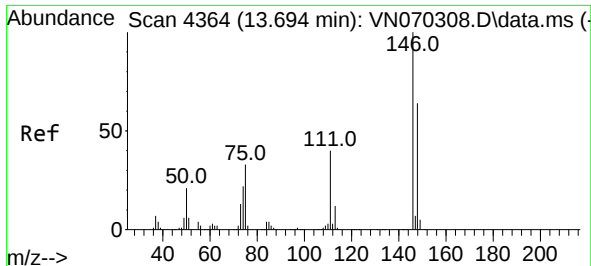
Tgt Ion: 75 Resp: 316230
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.311 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Tgt Ion: 75 Resp: 316230
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

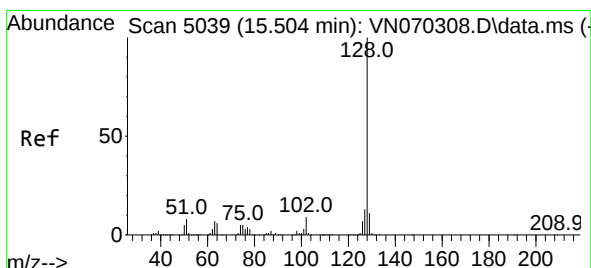
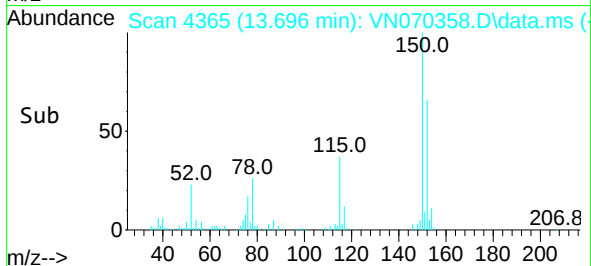
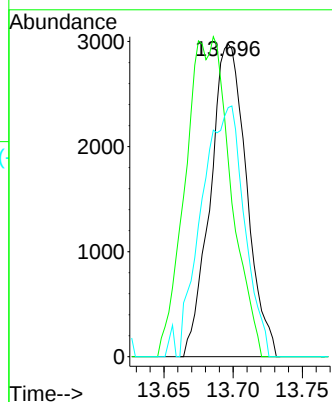
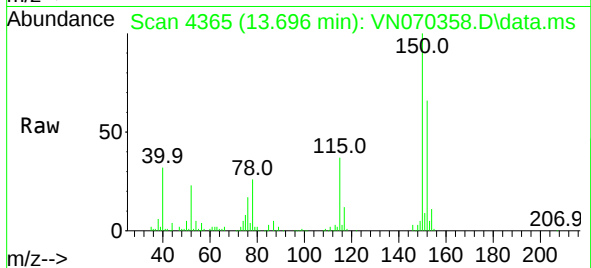




#88
1,4-Dichlorobenzene
Concen: 0.371 ug/l
RT: 13.696 min Scan# 41
Delta R.T. 0.002 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

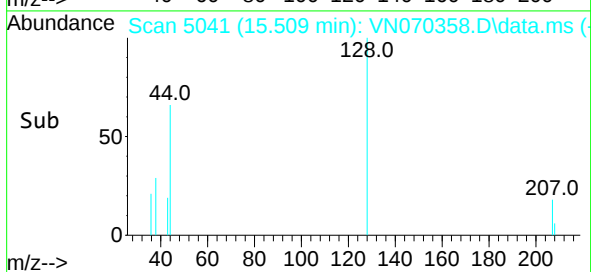
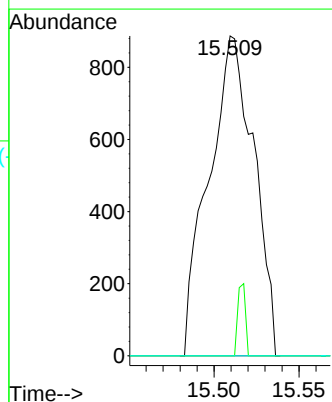
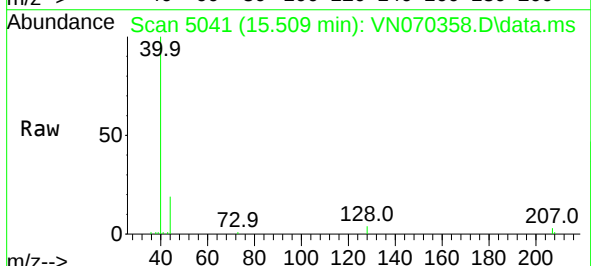
Instrument :
MSVOA_N
ClientSampleId :

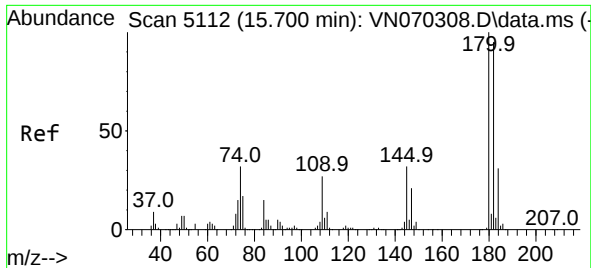
Tgt Ion:146 Resp: 5414
Ion Ratio Lower Upper
146 100
111 0.0 18.3 54.8#
148 94.1 31.8 95.4



#95
Naphthalene
Concen: 1.881 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070358.D
Acq: 29 Dec 2021 19:15

Tgt Ion:128 Resp: 1642
Ion Ratio Lower Upper
128 100
127 3.8 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.864 ug/l

RT: 15.689 min Scan# 51

Delta R.T. -0.011 min

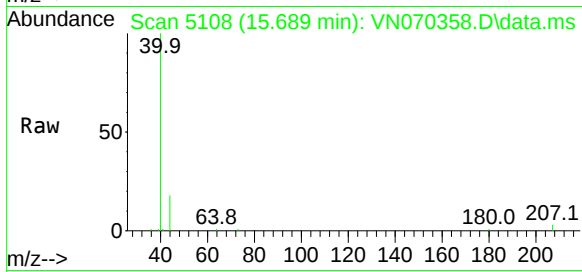
Lab File: VN070358.D

Acq: 29 Dec 2021 19:15

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 253

Ion Ratio Lower Upper

180 100

182 55.3 47.4 142.2

145 10.3 15.0 45.1#

