

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070349.D
 Acq On : 29 Dec 2021 15:24
 Operator : JC/MD
 Sample : M5115-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 01:50:42 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)

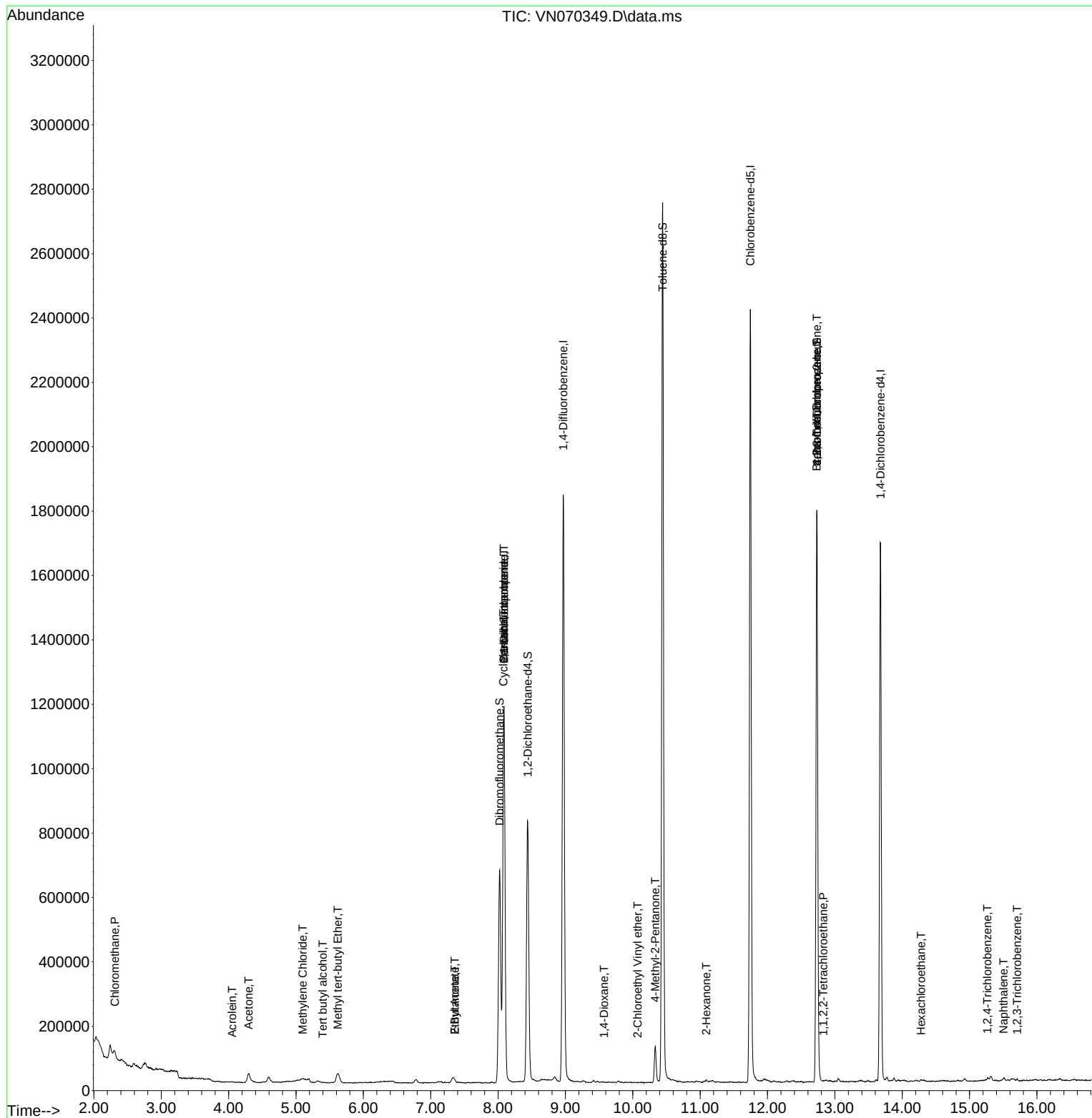
Internal Standards						
1) Pentafluorobenzene	8.088	168	912603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1552070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1383493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	454525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	690404	52.616	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.240%	
35) Dibromofluoromethane	8.024	113	487066	51.866	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.740%	
50) Toluene-d8	10.443	98	1880261	49.013	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.020%	
62) 4-Bromofluorobenzene	12.734	95	640600	46.234	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	3620	0.257	ug/l #	80
11) Tert butyl alcohol	5.396	59	1215	0.556	ug/l #	71
13) Acrolein	4.052	56	1528	0.862	ug/l #	40
16) Acetone	4.296	43	52079	6.114	ug/l	100
19) Methyl tert-butyl Ether	5.621	73	44331	1.284	ug/l	92
20) Methylene Chloride	5.098	84	2697	0.229	ug/l #	76
25) 2-Butanone	7.356	43	15189	1.416	ug/l #	89
31) Cyclohexane	8.080	56	22063	1.066	ug/l #	32
36) 1,1-Dichloropropene	8.086	75	75274	4.845	ug/l #	42
37) Ethyl Acetate	7.356	43	15189	0.754	ug/l #	68
38) Carbon Tetrachloride	8.086	117	91241	6.151	ug/l #	17
49) 1,4-Dioxane	9.574	88	54	0.244	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	85788	4.300	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.073	63	200	18.551	ug/l #	45
59) 2-Hexanone	11.090	43	5183	0.356	ug/l	87
71) Bromoform	12.731	173	4923	0.633	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.830	83	369	0.471	ug/l #	23
76) 1,2,3-Trichloropropane	12.734	75	342856	26.820	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	342856	92.160	ug/l #	5
90) Hexachloroethane	14.278	117	1212	0.220	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	1806	0.241	ug/l	91
95) Naphthalene	15.504	128	4632	2.013	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.705	180	1790	1.072	ug/l #	75

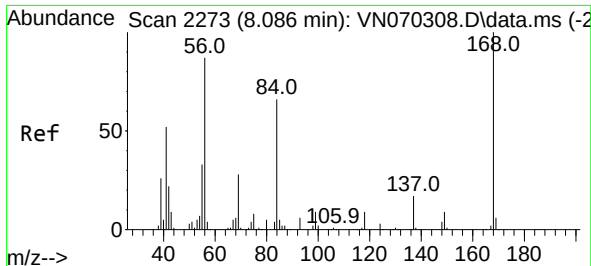
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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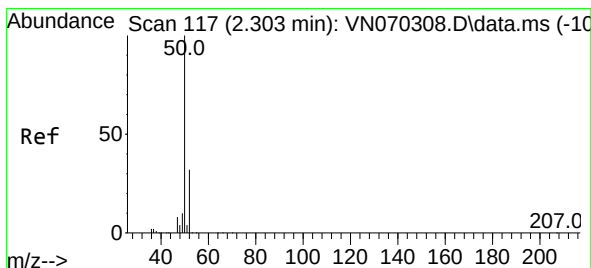
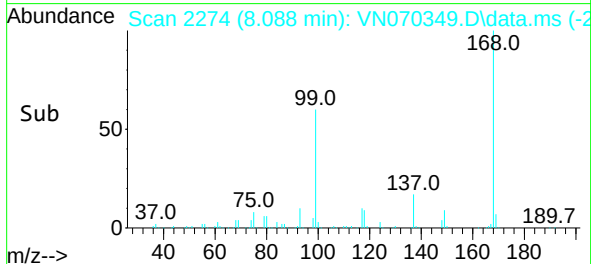
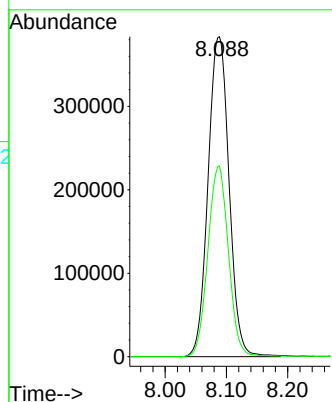
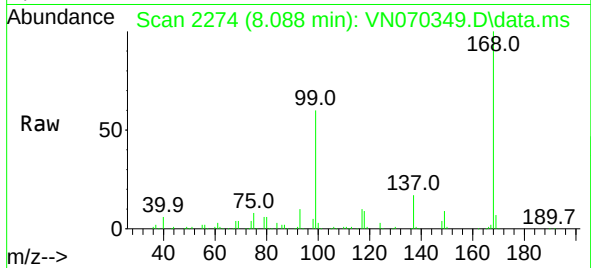




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

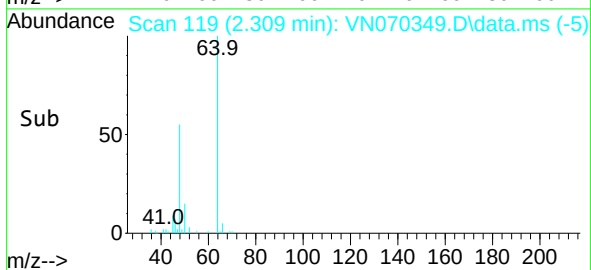
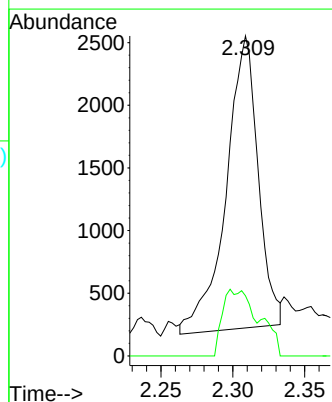
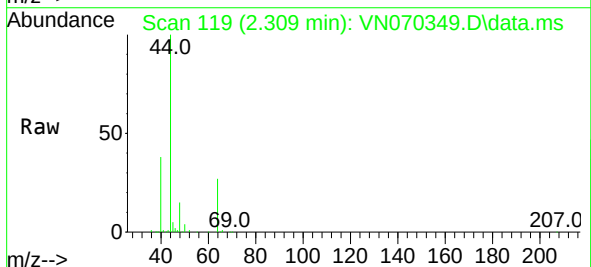
Instrument :
MSVOA_N
ClientSampleId :

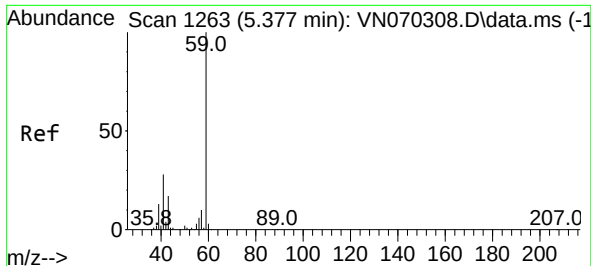
Tgt Ion:168 Resp: 912603
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9



#3
Chloromethane
Concen: 0.257 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Tgt Ion: 50 Resp: 3620
Ion Ratio Lower Upper
50 100
52 20.8 25.4 38.0#

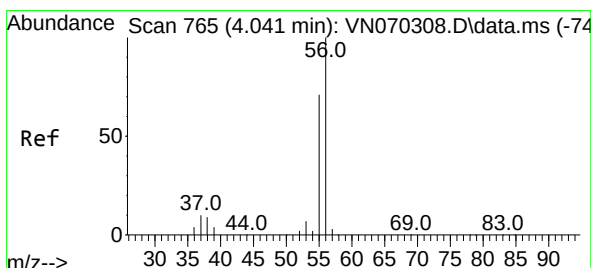
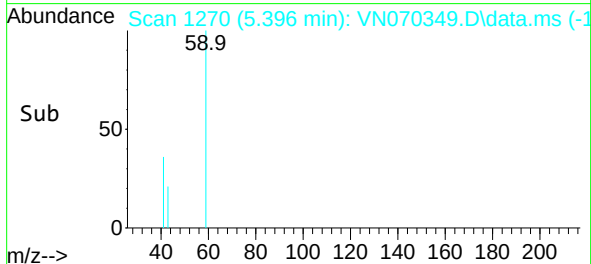
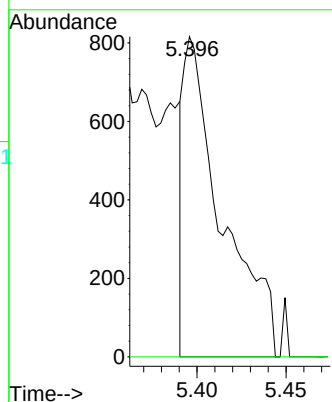
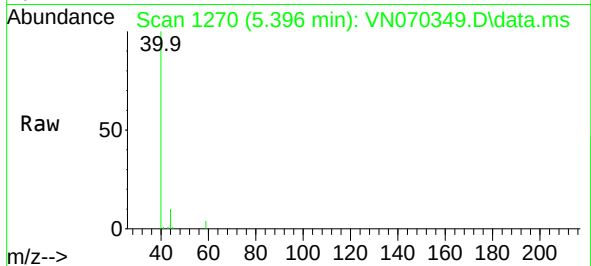




#11
Tert butyl alcohol
Concen: 0.556 ug/l
RT: 5.396 min Scan# 11
Delta R.T. 0.019 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

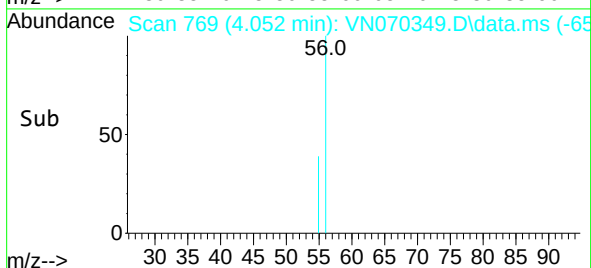
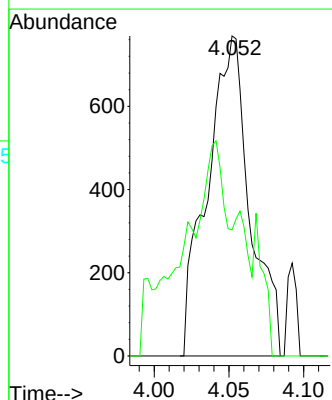
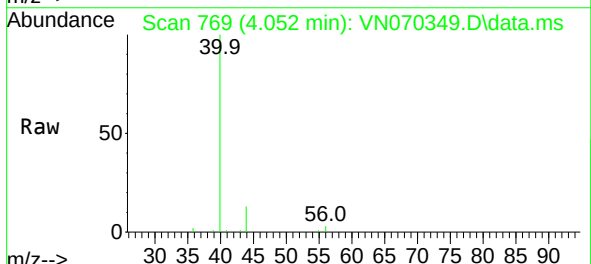
Instrument :
MSVOA_N
ClientSampleId :

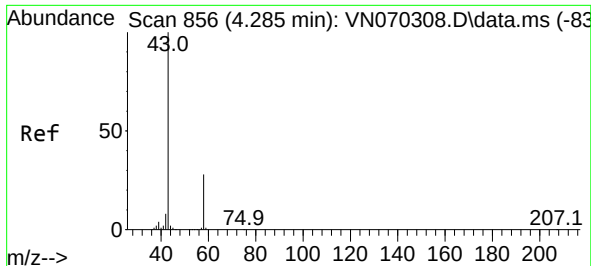
Tgt Ion: 59 Resp: 1215
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.862 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Tgt Ion: 56 Resp: 1528
Ion Ratio Lower Upper
56 100
55 21.2 56.6 85.0#

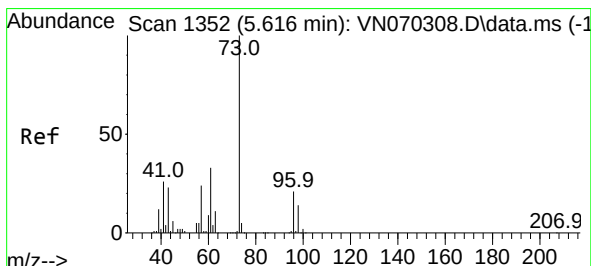
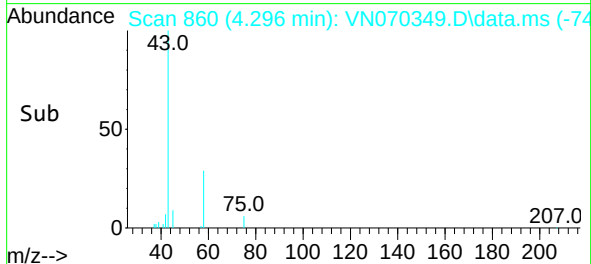
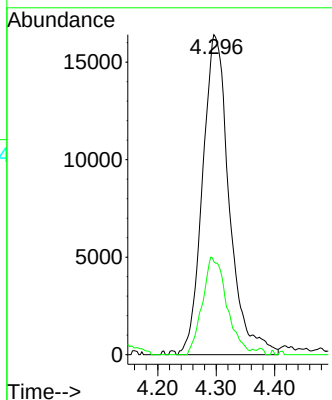
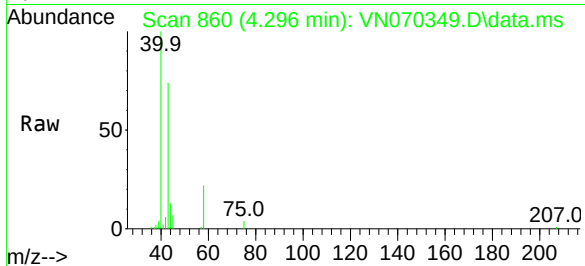




#16
Acetone
Concen: 6.114 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

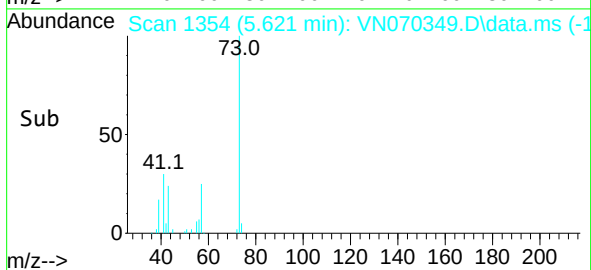
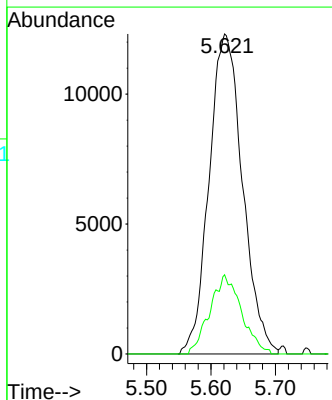
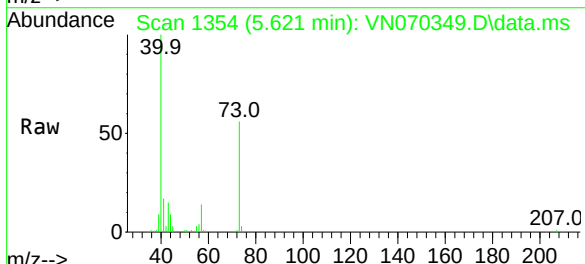
Instrument :
MSVOA_N
ClientSampleId :

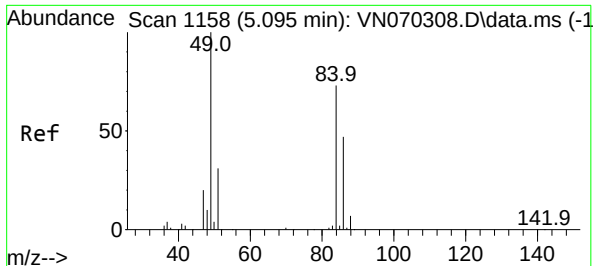
Tgt Ion: 43 Resp: 52079
Ion Ratio Lower Upper
43 100
58 29.0 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 1.284 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.005 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Tgt Ion: 73 Resp: 44331
Ion Ratio Lower Upper
73 100
57 24.7 16.8 25.2





#20

Methylene Chloride

Concen: 0.229 ug/l

RT: 5.098 min Scan# 1158

Delta R.T. 0.003 min

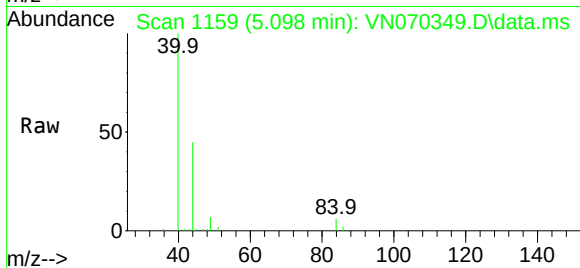
Lab File: VN070349.D

Acq: 29 Dec 2021 15:24

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 2697

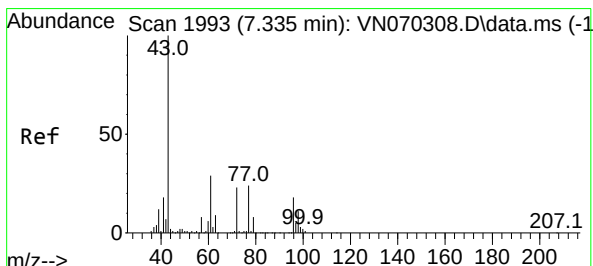
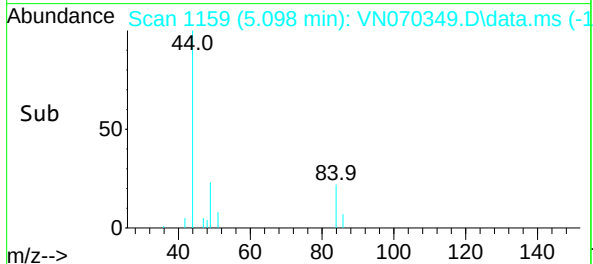
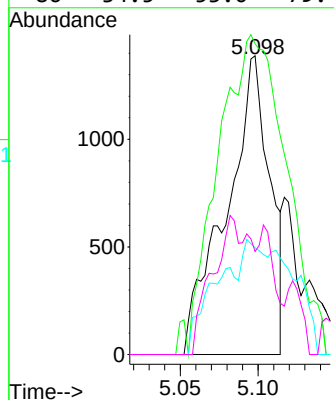
Ion Ratio Lower Upper

84 100

49 93.1 93.5 140.3#

51 35.7 29.4 44.2

86 34.5 53.0 79.4#



#25

2-Butanone

Concen: 1.416 ug/l

RT: 7.356 min Scan# 2001

Delta R.T. 0.021 min

Lab File: VN070349.D

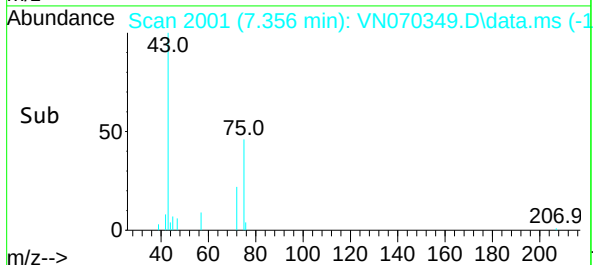
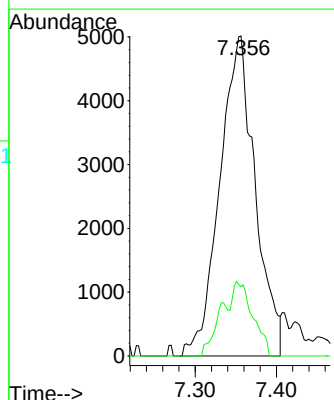
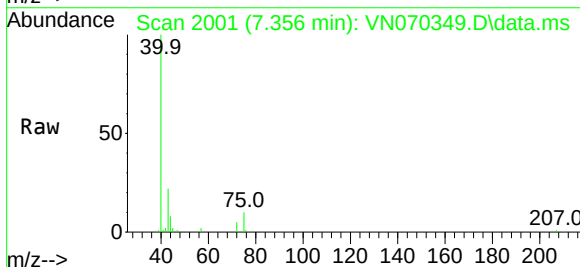
Acq: 29 Dec 2021 15:24

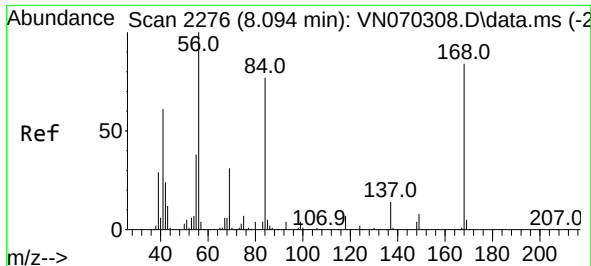
Tgt Ion: 43 Resp: 15189

Ion Ratio Lower Upper

43 100

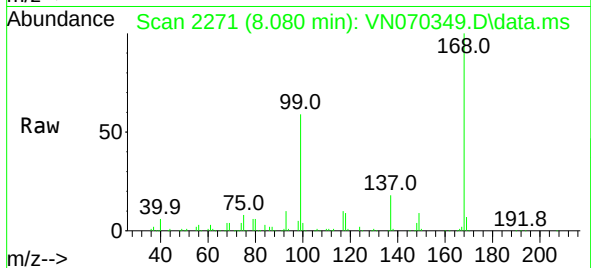
72 21.6 21.7 32.5#



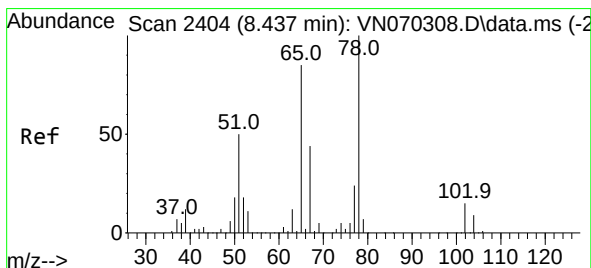
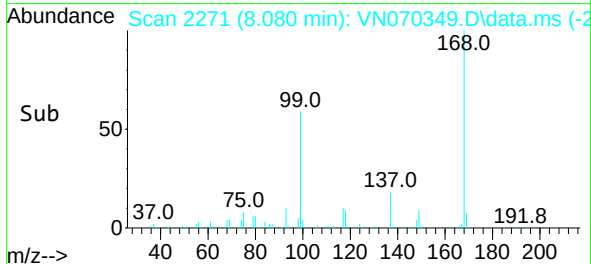
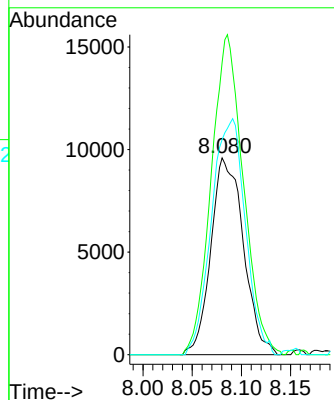


#31
Cyclohexane
Concen: 1.066 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.014 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Instrument :
MSVOA_N
ClientSampleId :

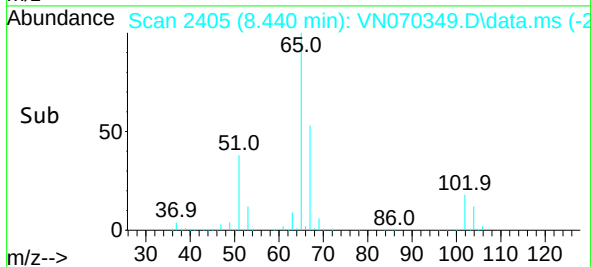
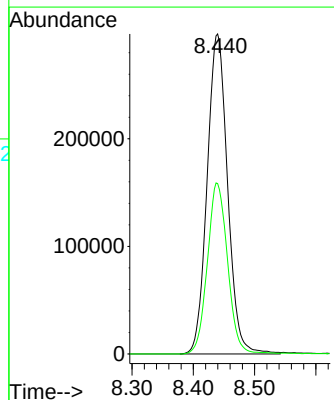
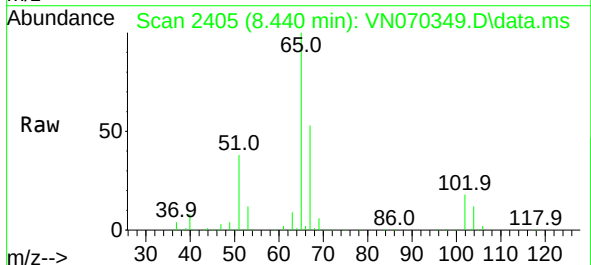


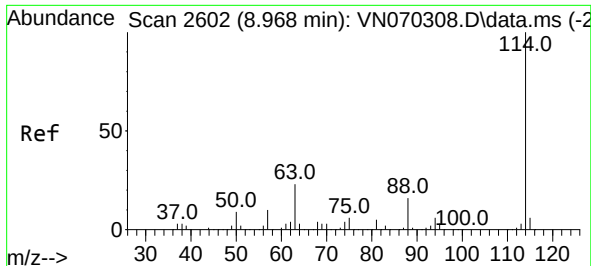
Tgt Ion: 56 Resp: 22063
Ion Ratio Lower Upper
56 100
69 148.5 27.1 40.7#
84 109.3 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 52.616 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Tgt Ion: 65 Resp: 690404
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.000 min

Lab File: VN070349.D

Acq: 29 Dec 2021 15:24

Instrument :

MSVOA_N

ClientSampleId :

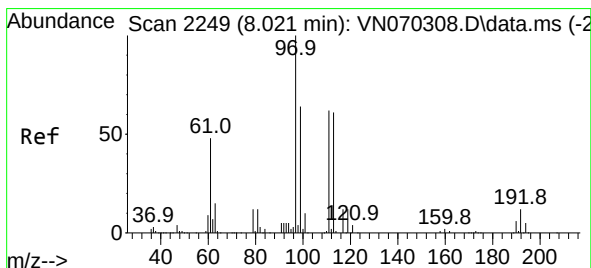
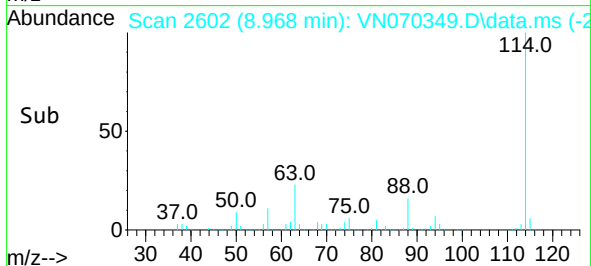
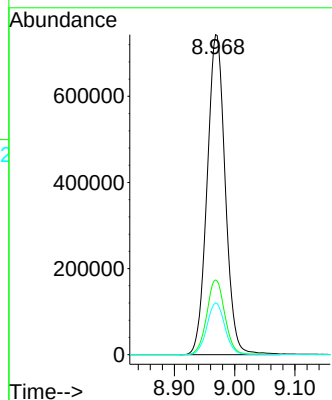
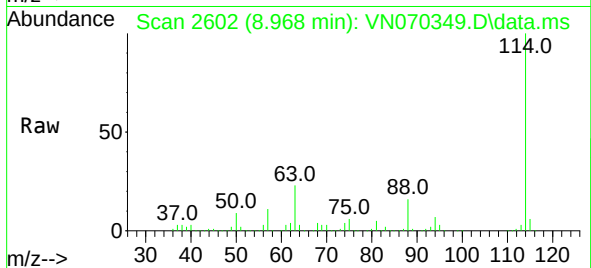
Tgt Ion:114 Resp: 1552070

Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 51.866 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN070349.D

Acq: 29 Dec 2021 15:24

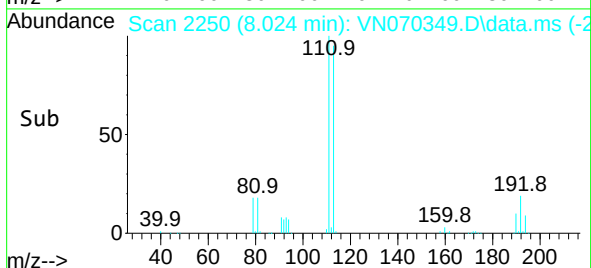
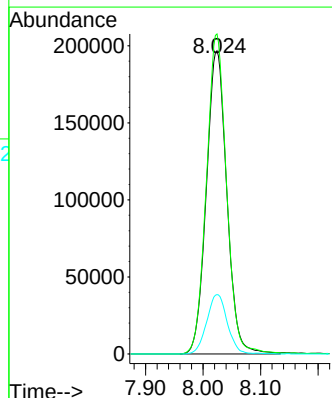
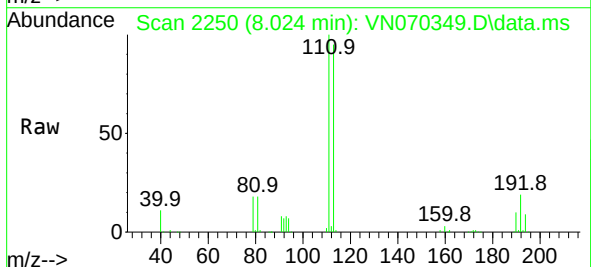
Tgt Ion:113 Resp: 487066

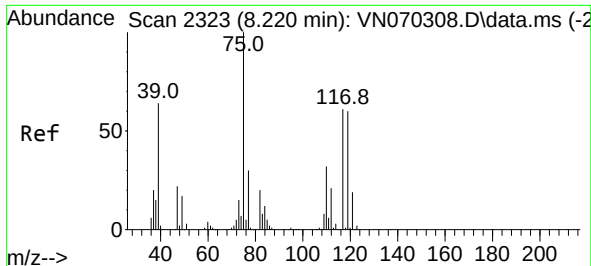
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

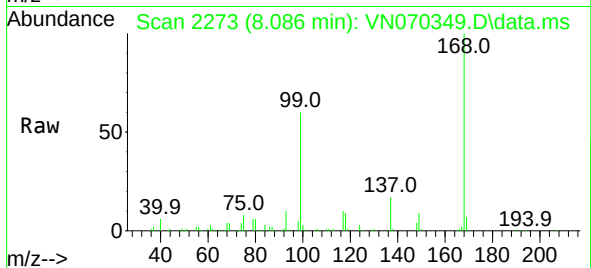
192 19.6 16.9 25.3



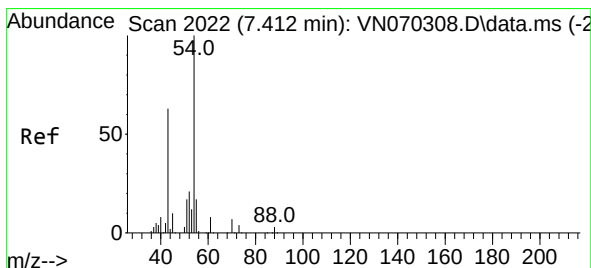
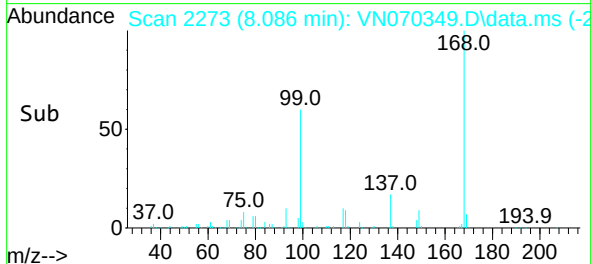
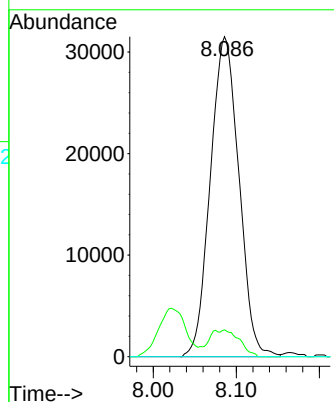


#36
1,1-Dichloropropene
Concen: 4.845 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Instrument :
MSVOA_N
ClientSampleId :

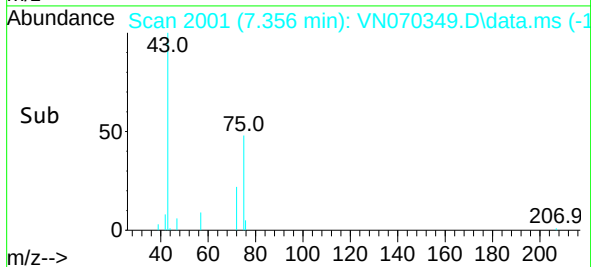
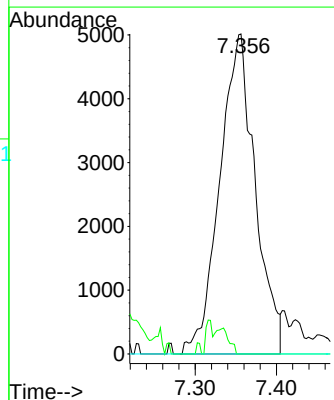
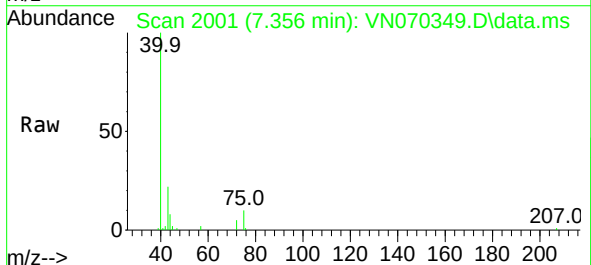


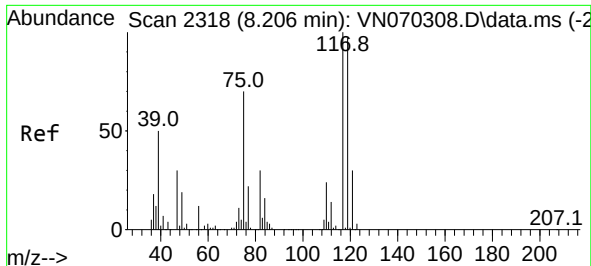
Tgt Ion: 75 Resp: 75274
Ion Ratio Lower Upper
75 100
110 1.7 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.754 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. -0.056 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

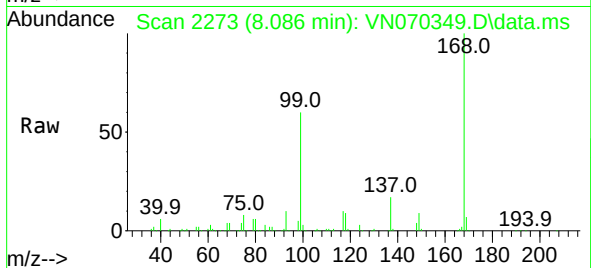
Tgt Ion: 43 Resp: 15189
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



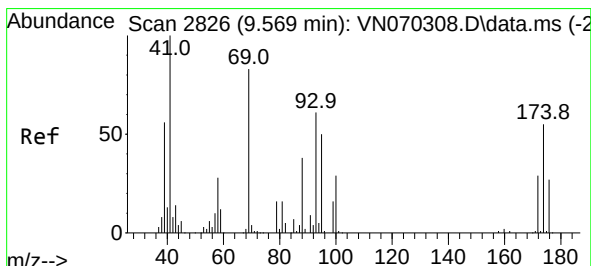
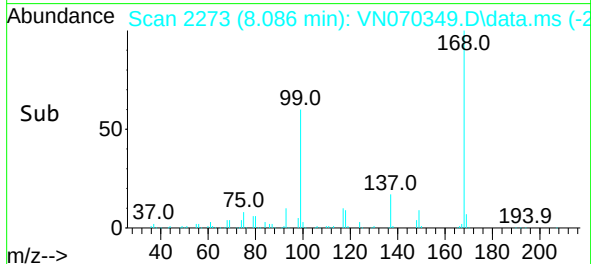
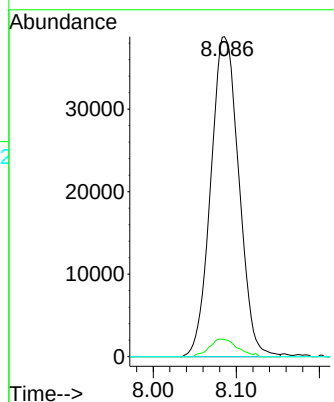


#38
Carbon Tetrachloride
Concen: 6.151 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Instrument :
MSVOA_N
ClientSampleId :

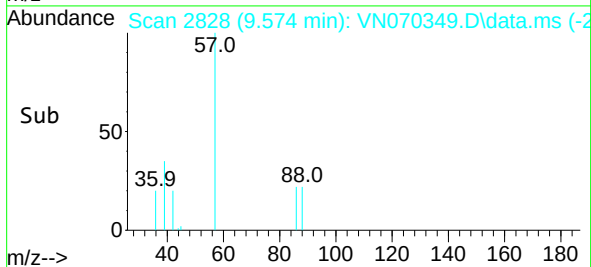
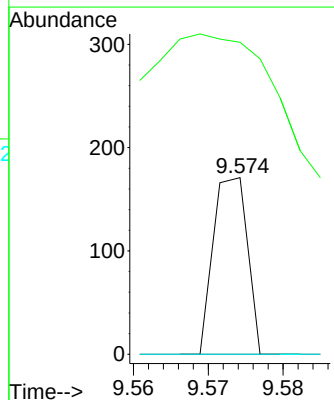
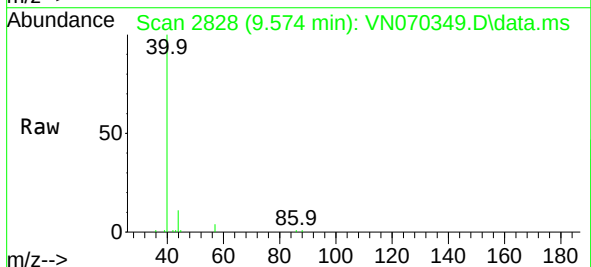


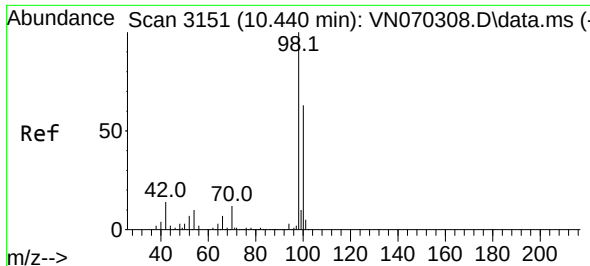
Tgt Ion:117 Resp: 91241
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.244 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.005 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

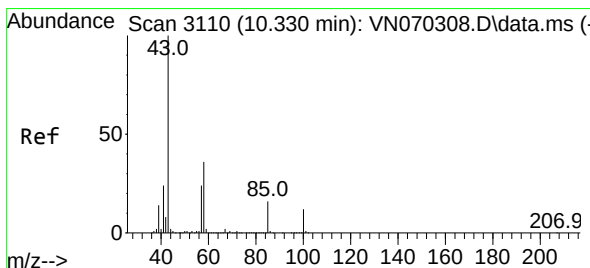
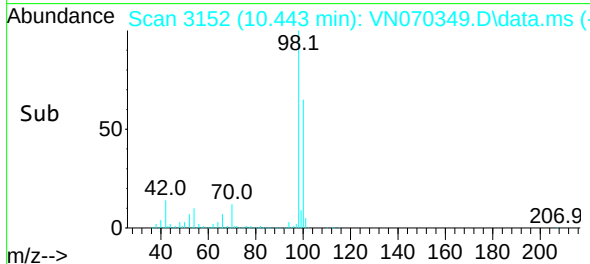
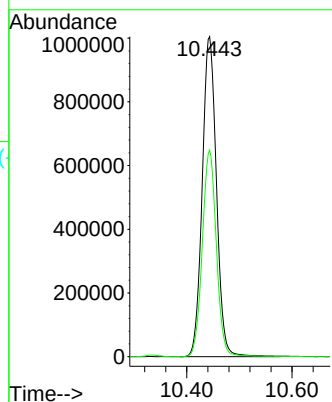
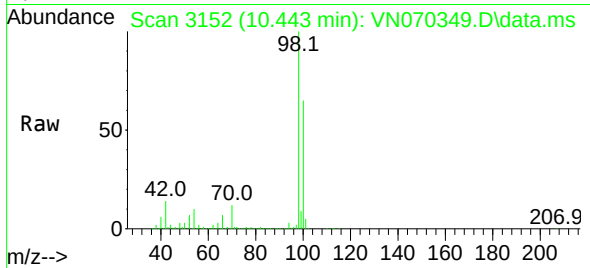




#50
Toluene-d8
Concen: 49.013 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

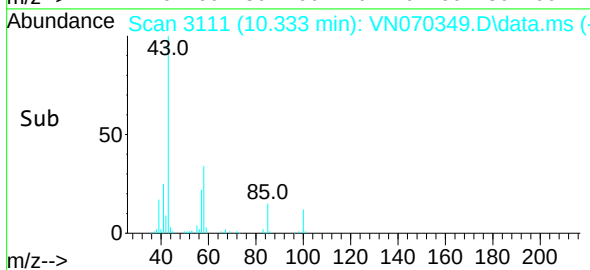
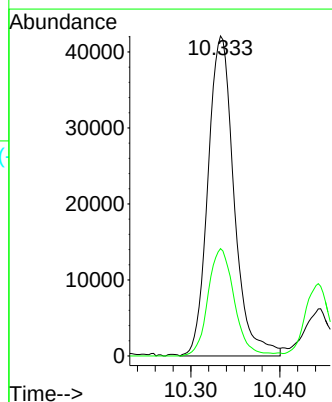
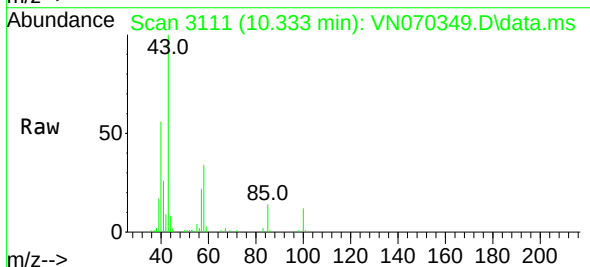
Instrument :
MSVOA_N
ClientSampleId :

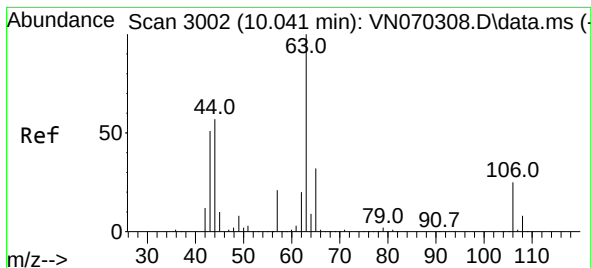
Tgt Ion: 98 Resp: 1880261
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 4.300 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Tgt Ion: 43 Resp: 85788
Ion Ratio Lower Upper
43 100
58 33.6 30.4 45.6

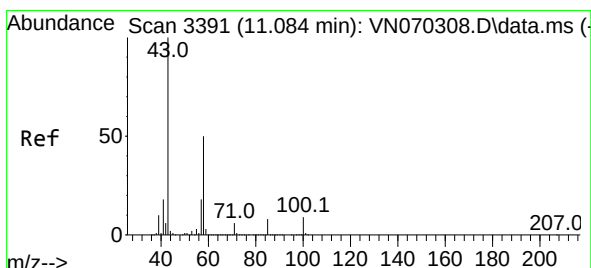
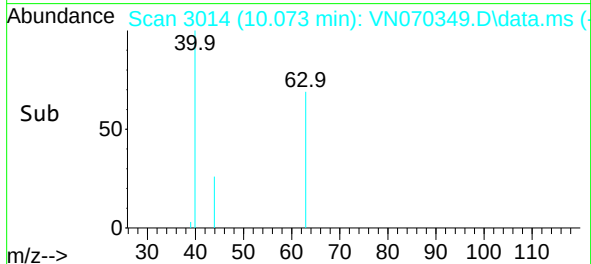
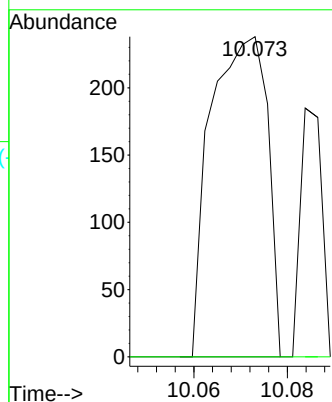
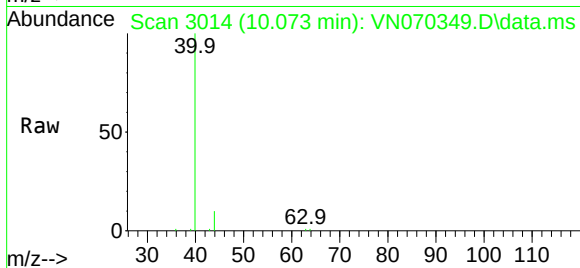




#58
2-Chloroethyl Vinyl ether
Concen: 18.551 ug/l
RT: 10.073 min Scan# 3002
Delta R.T. 0.032 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

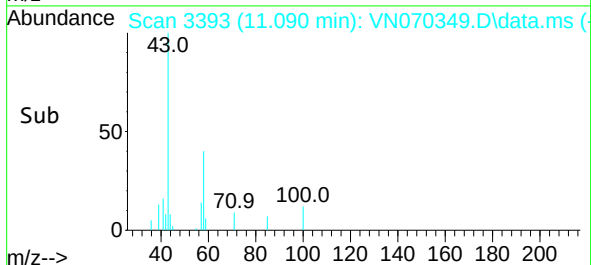
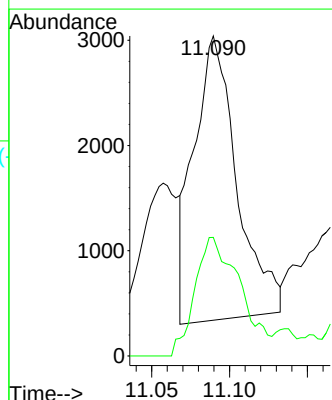
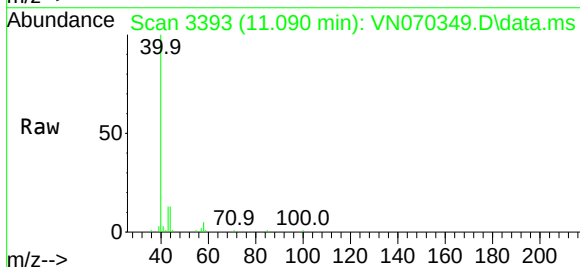
Instrument :
MSVOA_N
ClientSampleId :

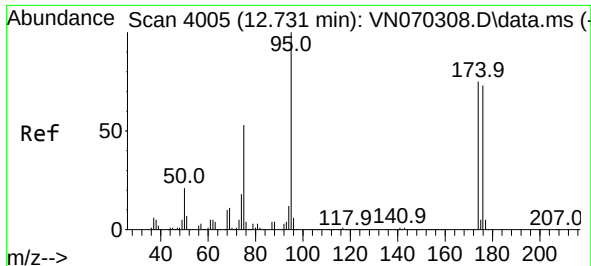
Tgt Ion: 63 Resp: 200
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.356 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.006 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Tgt Ion: 43 Resp: 5183
Ion Ratio Lower Upper
43 100
58 44.2 26.9 80.7

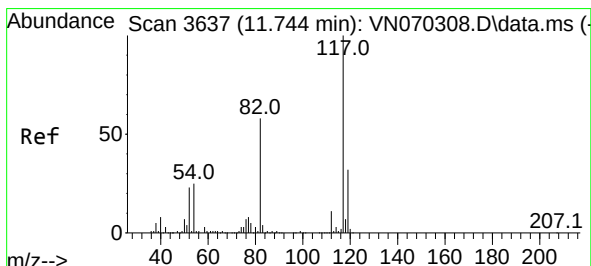
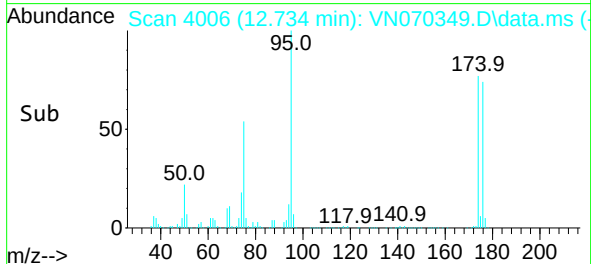
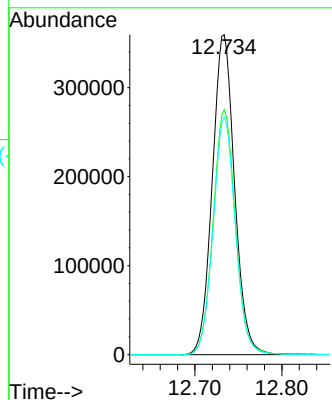
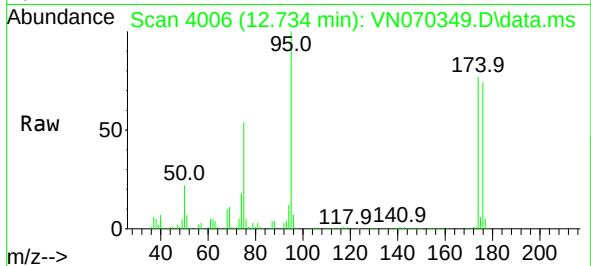




#62
4-Bromofluorobenzene
Concen: 46.234 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

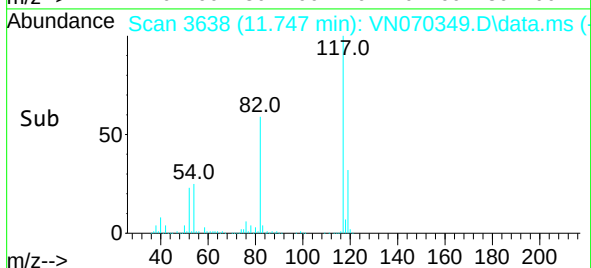
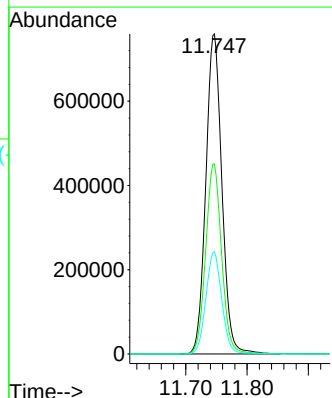
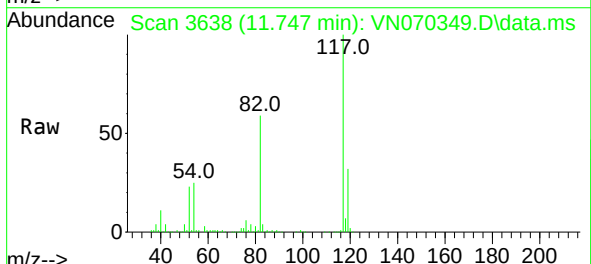
Instrument :
MSVOA_N
ClientSampleId :

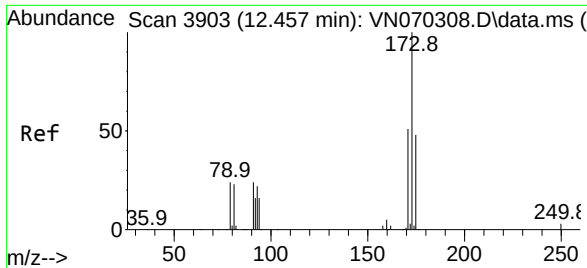
Tgt Ion: 95 Resp: 640600
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 74.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Tgt Ion: 117 Resp: 1383493
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 31.9 25.4 38.2

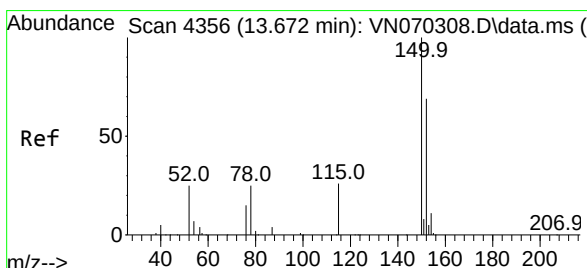
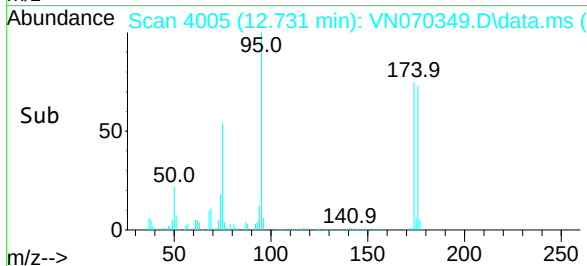
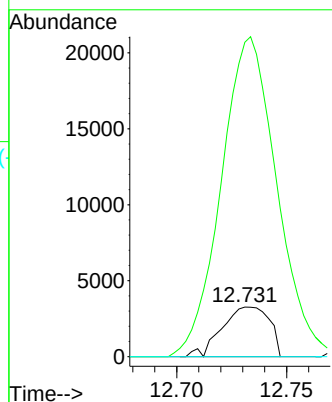
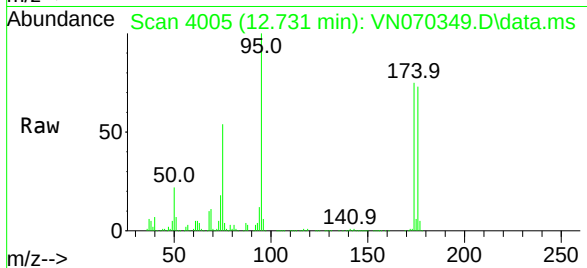




#71
Bromoform
Concen: 0.633 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

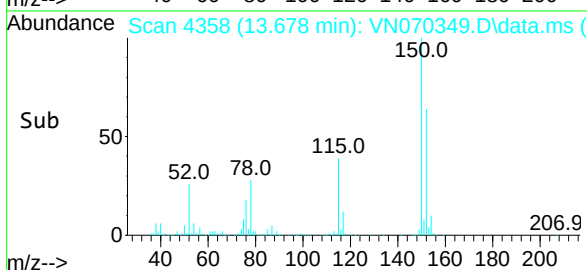
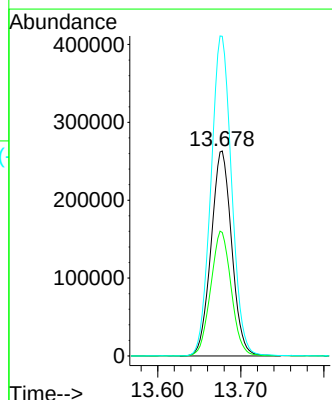
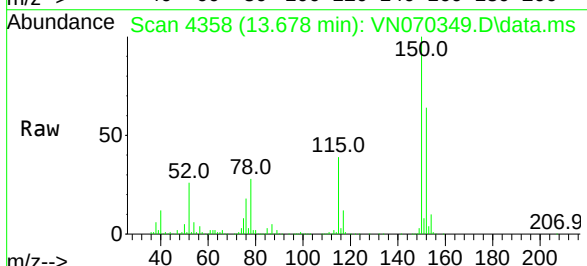
Instrument :
MSVOA_N
ClientSampleId :

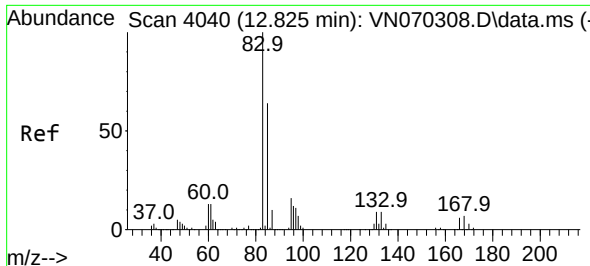
Tgt Ion:173 Resp: 4923
Ion Ratio Lower Upper
173 100
175 671.7 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.006 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Tgt Ion:152 Resp: 454525
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 156.6 0.0 344.4

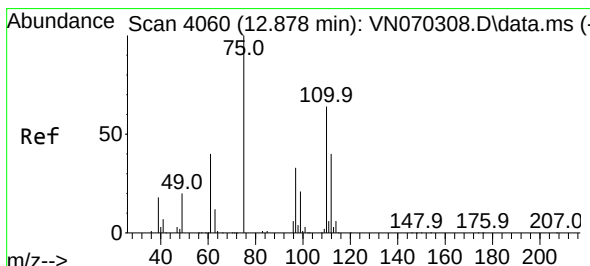
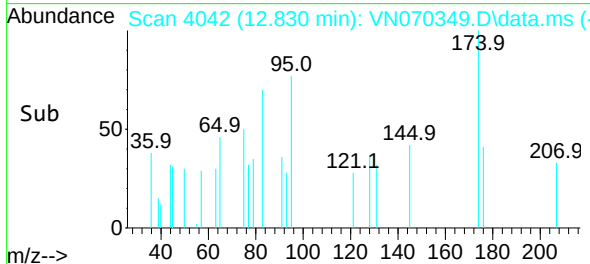
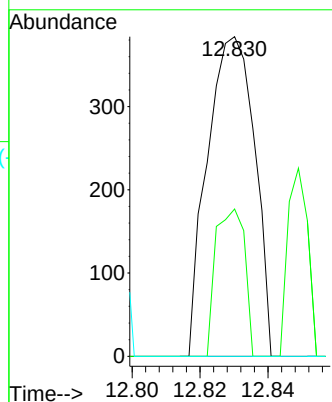
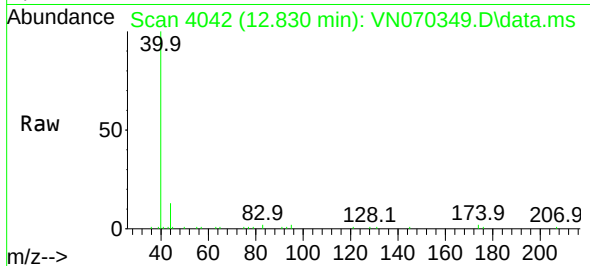




#75
1,1,2,2-Tetrachloroethane
Concen: 0.471 ug/l
RT: 12.830 min Scan# 4040
Delta R.T. 0.005 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

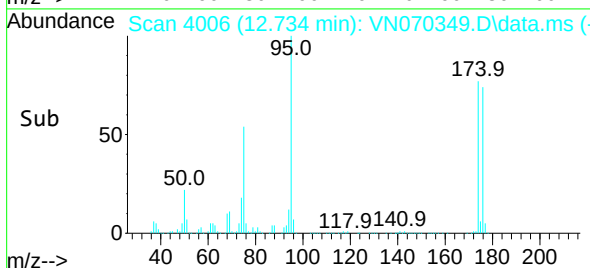
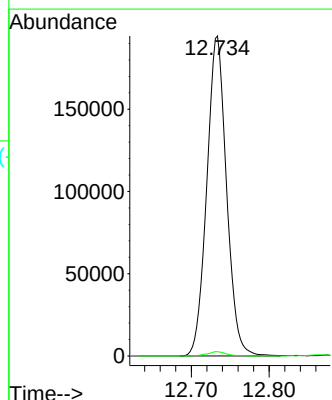
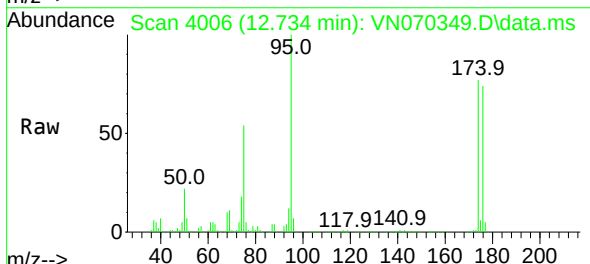
Instrument :
MSVOA_N
ClientSampleId :

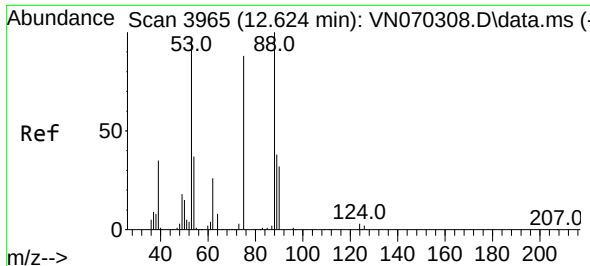
Tgt Ion: 83 Resp: 369
Ion Ratio Lower Upper
83 100
131 28.2 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.820 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.144 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

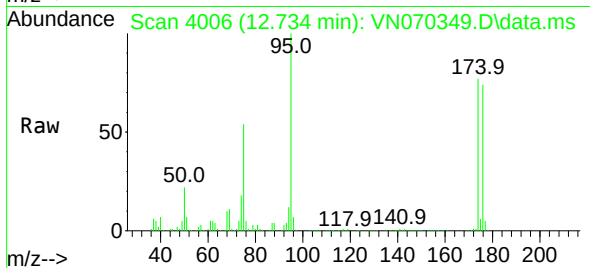
Tgt Ion: 75 Resp: 342856
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



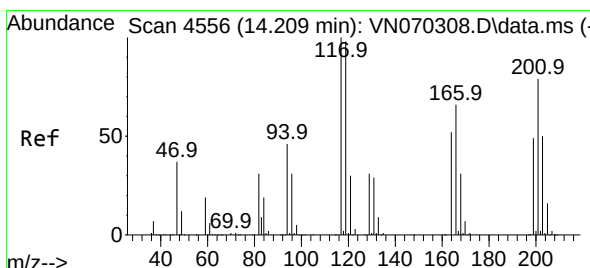
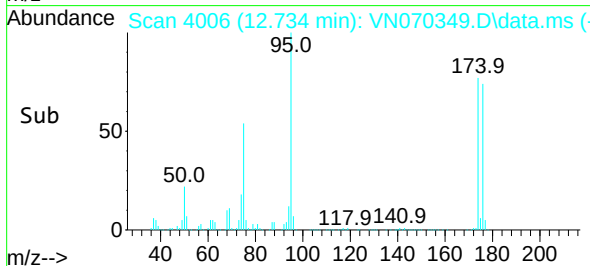
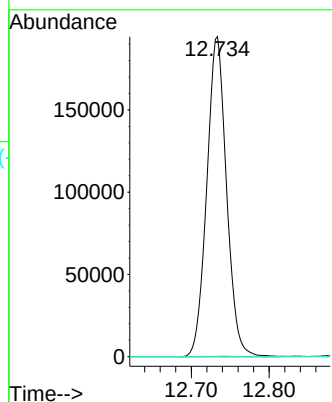


#81
trans-1,4-Dichloro-2-butene
Concen: 92.160 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.110 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Instrument :
MSVOA_N
ClientSampleId :

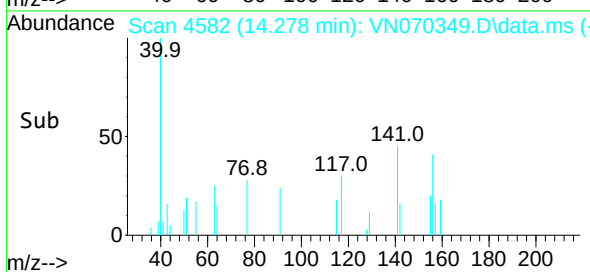
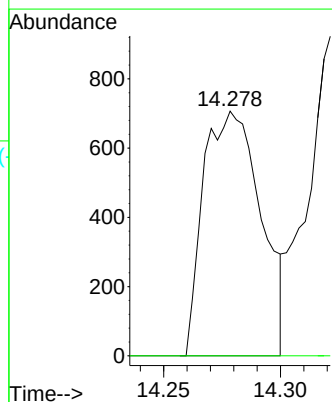
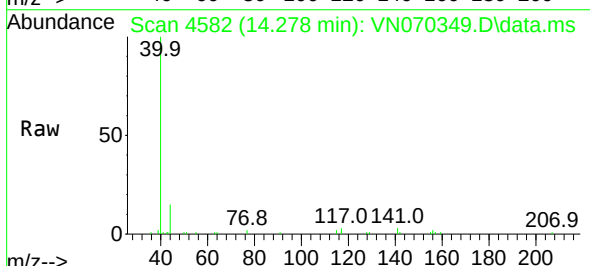


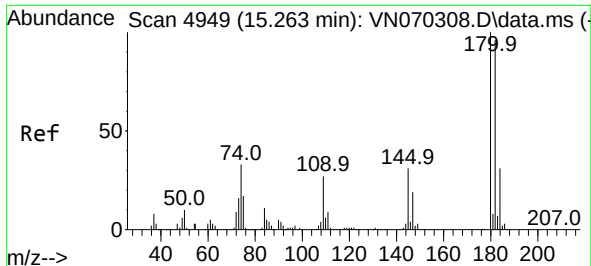
Tgt Ion: 75 Resp: 342856
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 0.220 ug/l
RT: 14.278 min Scan# 4582
Delta R.T. 0.069 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

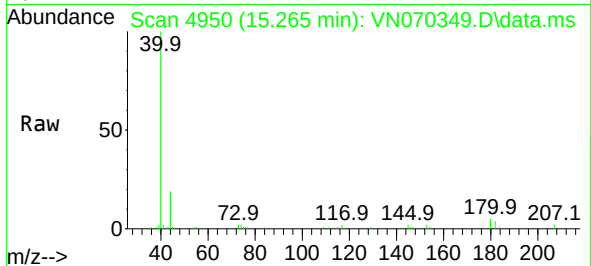
Tgt Ion: 117 Resp: 1212
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



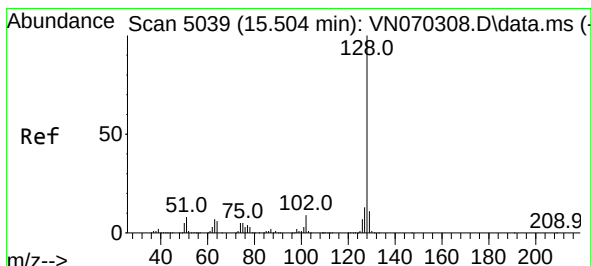
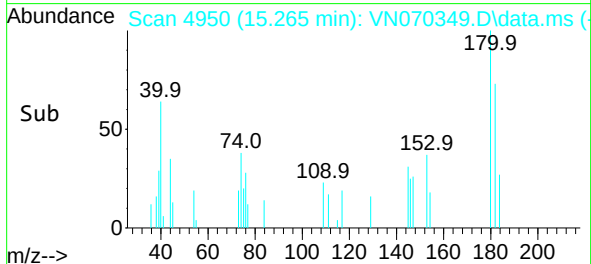
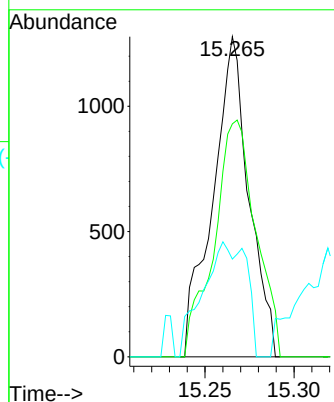


#93
1,2,4-Trichlorobenzene
Concen: 0.241 ug/l
RT: 15.265 min Scan# 4949
Delta R.T. 0.002 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

Instrument :
MSVOA_N
ClientSampleId :

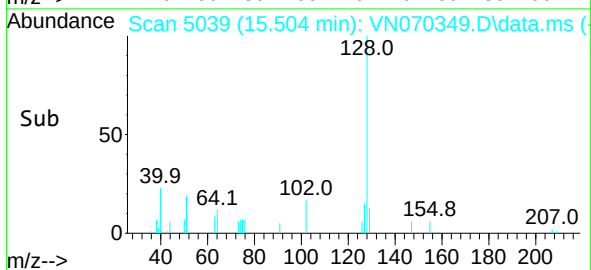
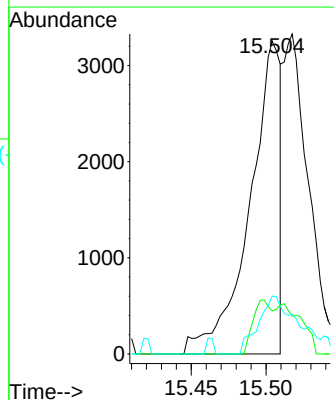
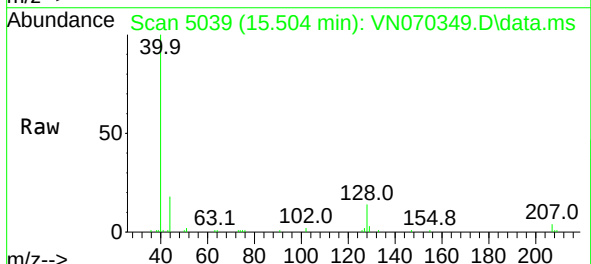


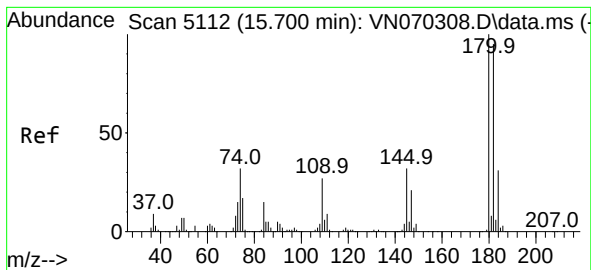
Tgt Ion:180 Resp: 1806
Ion Ratio Lower Upper
180 100
182 85.1 48.3 144.9
145 29.9 14.5 43.5



#95
Naphthalene
Concen: 2.013 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070349.D
Acq: 29 Dec 2021 15:24

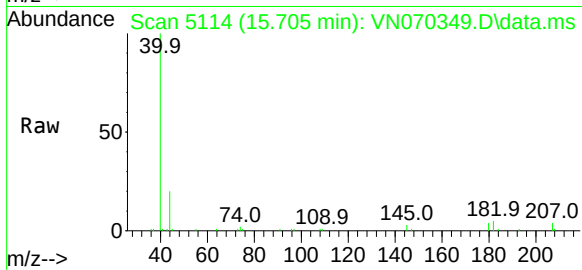
Tgt Ion:128 Resp: 4632
Ion Ratio Lower Upper
128 100
127 10.4 10.5 15.7#
129 24.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.072 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.005 min
 Lab File: VN070349.D
 Acq: 29 Dec 2021 15:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	108.2	47.4	142.2
145	62.7	15.0	45.1

