

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070378.D
 Acq On : 30 Dec 2021 5:27
 Operator : JC/MD
 Sample : M5007-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 07:18:38 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

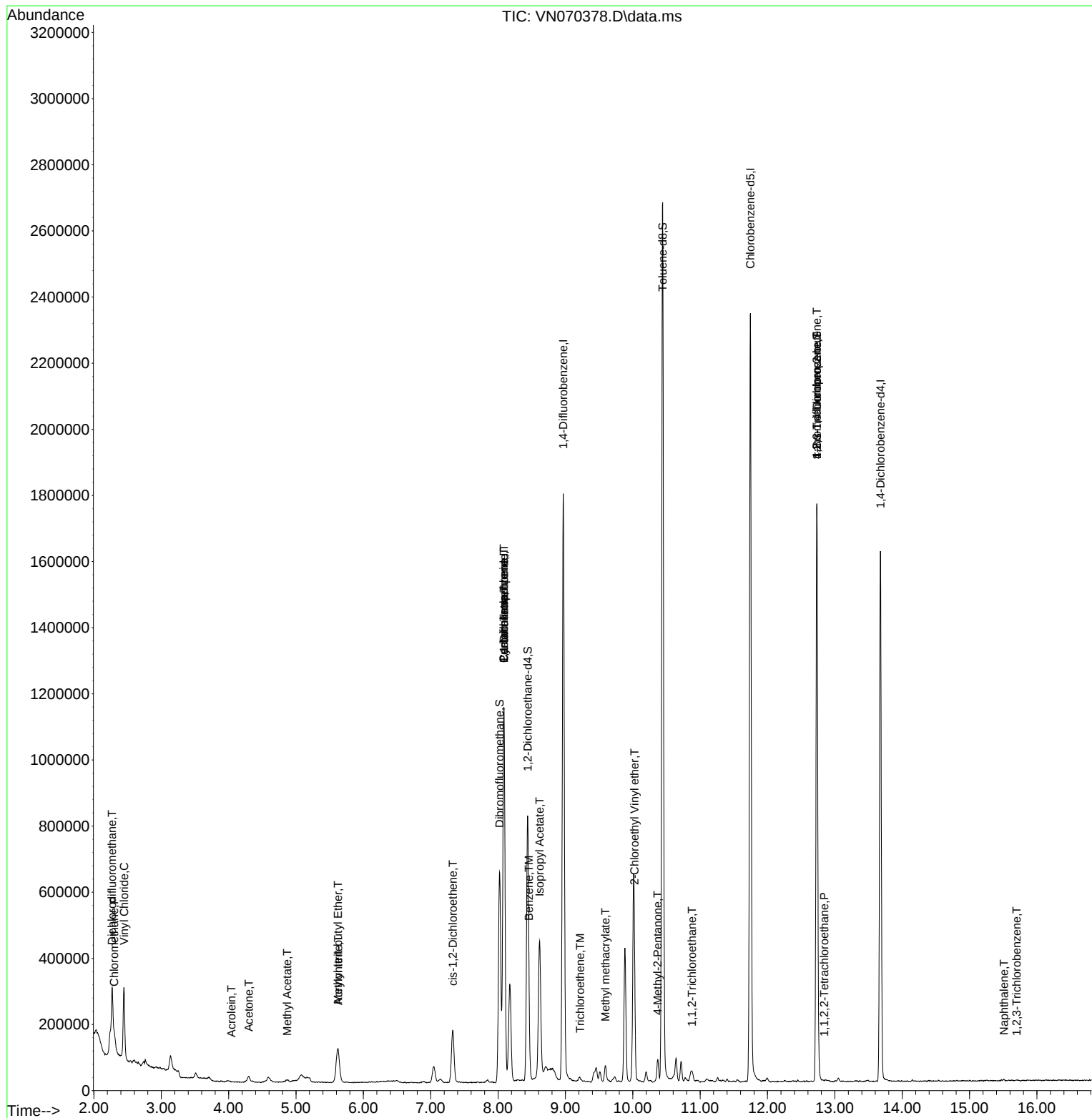
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	872307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1518595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1330595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	438003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	679976	54.215	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.440%	
35) Dibromofluoromethane	8.021	113	473609	51.545	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.100%	
50) Toluene-d8	10.443	98	1845190	49.159	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.320%	
62) 4-Bromofluorobenzene	12.734	95	630561	46.512	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 93.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.269	85	17406	1.760	ug/l	96
3) Chloromethane	2.301	50	4964	0.369	ug/l #	81
4) Vinyl Chloride	2.448	62	104020	8.490	ug/l	99
13) Acrolein	4.041	56	440	0.260	ug/l #	35
15) Acrylonitrile	5.626	53	2806	0.431	ug/l #	25
16) Acetone	4.299	43	25396	3.119	ug/l	98
18) Methyl Acetate	4.870	43	12118	0.515	ug/l #	70
19) Methyl tert-butyl Ether	5.624	73	133645	4.051	ug/l #	75
27) cis-1,2-Dichloroethene	7.329	96	90267	8.042	ug/l	96
31) Cyclohexane	8.086	56	21552	1.089	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	72277	4.755	ug/l #	48
38) Carbon Tetrachloride	8.086	117	85367	5.882	ug/l #	17
40) Benzene	8.458	78	9975	0.214	ug/l #	90
43) Isopropyl Acetate	8.617	43	120787	3.888	ug/l #	55
44) Trichloroethene	9.217	130	3130	0.283	ug/l	89
48) Methyl methacrylate	9.593	41	12790	0.863	ug/l #	32
51) 4-Methyl-2-Pentanone	10.368	43	7567	0.388	ug/l #	74
55) 1,1,2-Trichloroethane	10.878	97	7131	0.639	ug/l #	28
58) 2-Chloroethyl Vinyl ether	10.025	63	458	18.603	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.844	83	410	0.475	ug/l #	32
76) 1,2,3-Trichloropropane	12.734	75	331338	26.889	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	331338	92.424	ug/l #	5
95) Naphthalene	15.509	128	3840	1.982	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.700	180	474	0.894	ug/l #	74

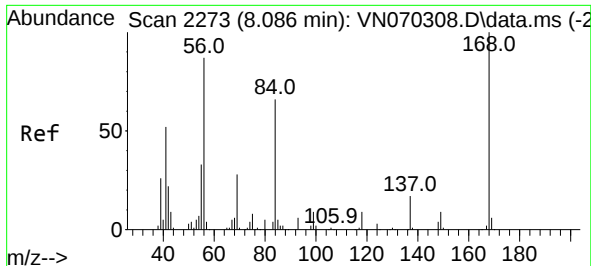
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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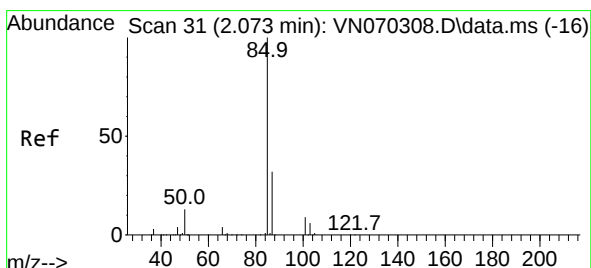
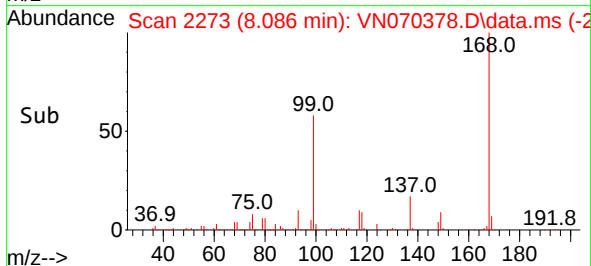
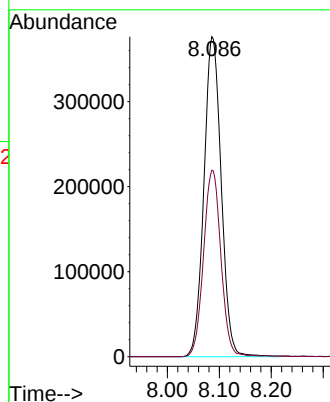
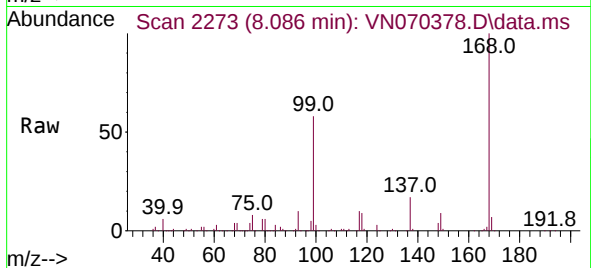




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

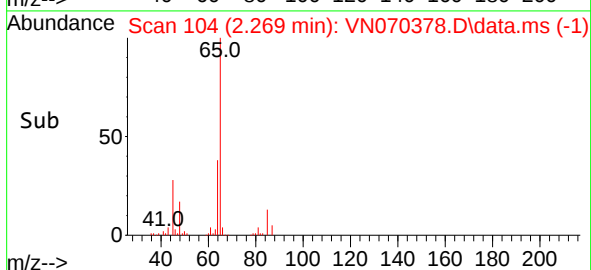
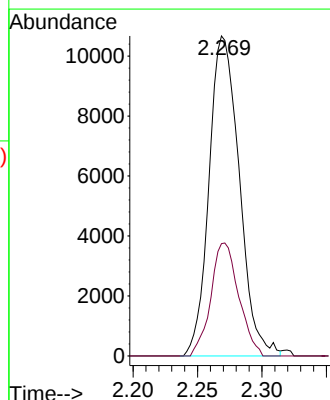
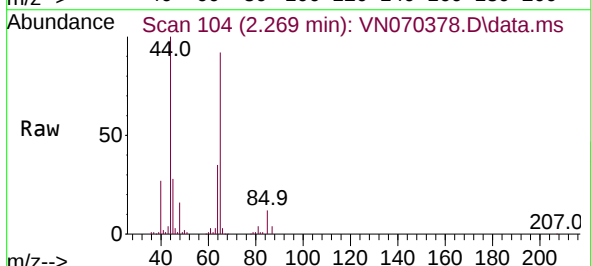
Instrument :
MSVOA_N
ClientSampleId :

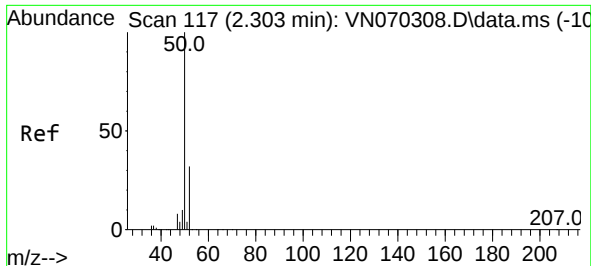
Tgt Ion:168 Resp: 872307
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 1.760 ug/l
RT: 2.269 min Scan# 104
Delta R.T. 0.196 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Tgt Ion: 85 Resp: 17406
Ion Ratio Lower Upper
85 100
87 35.1 16.3 48.9

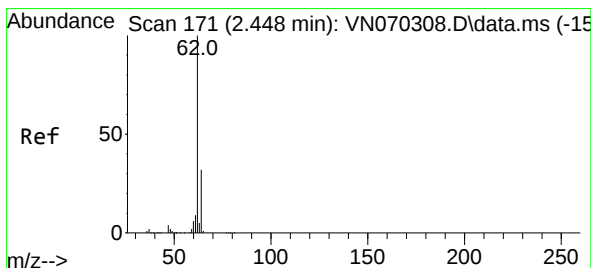
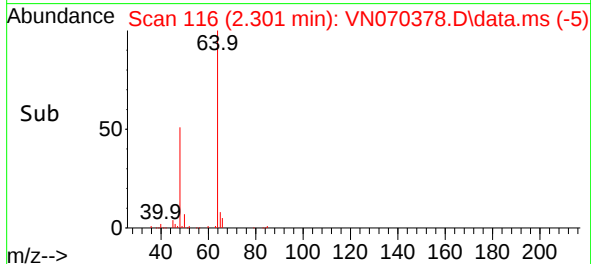
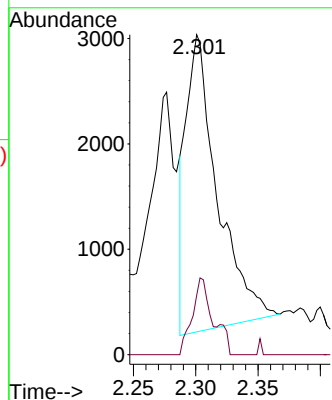
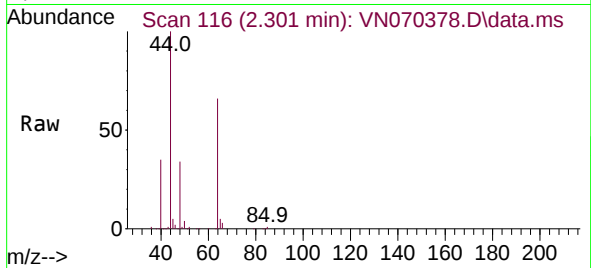




#3
Chloromethane
Concen: 0.369 ug/l
RT: 2.301 min Scan# 117
Delta R.T. -0.002 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

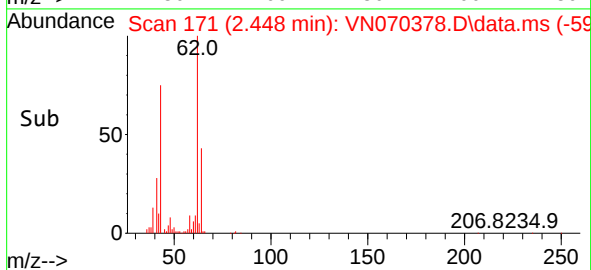
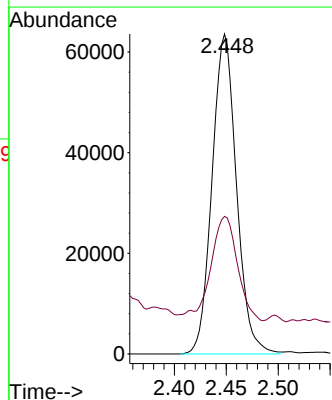
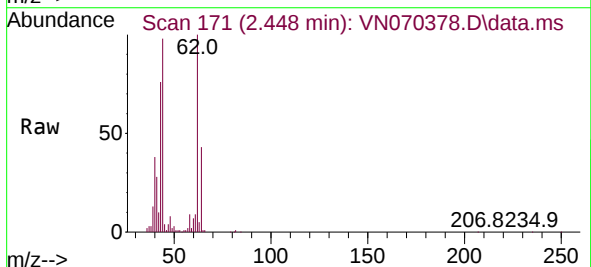
Instrument :
MSVOA_N
ClientSampleId :

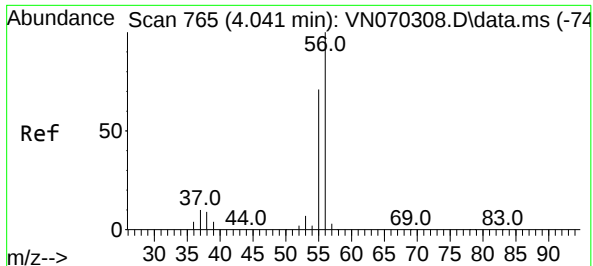
Tgt Ion: 50 Resp: 4964
Ion Ratio Lower Upper
50 100
52 21.2 25.4 38.0#



#4
Vinyl Chloride
Concen: 8.490 ug/l
RT: 2.448 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

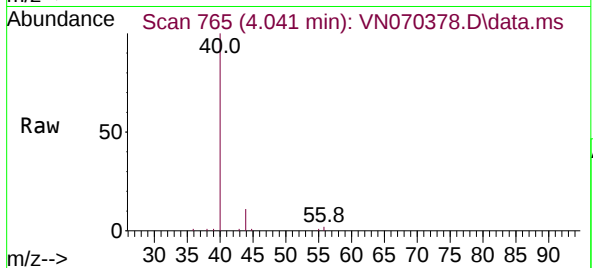
Tgt Ion: 62 Resp: 104020
Ion Ratio Lower Upper
62 100
64 31.9 25.8 38.6



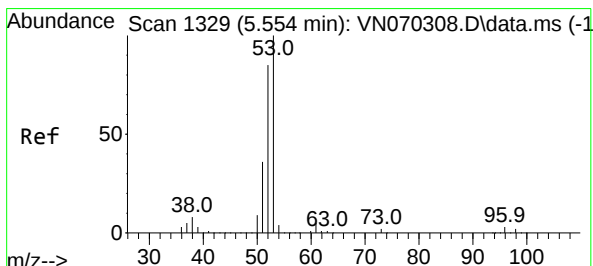
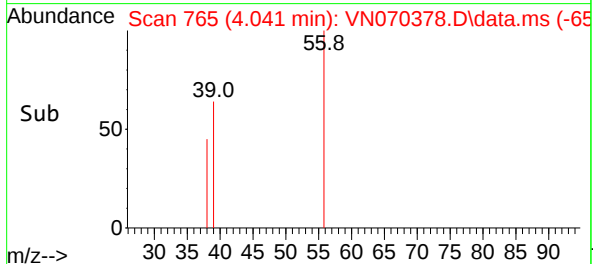
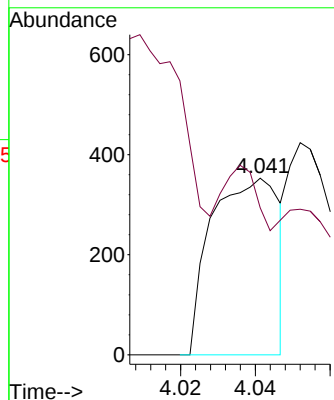


#13
Acrolein
Concen: 0.260 ug/l
RT: 4.041 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Instrument :
MSVOA_N
ClientSampleId :

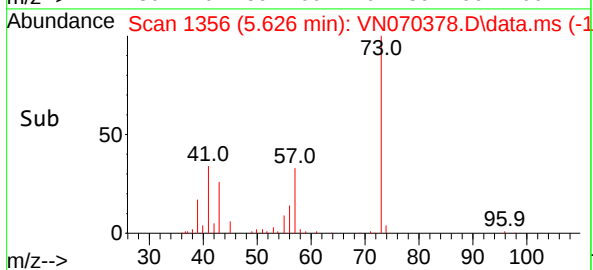
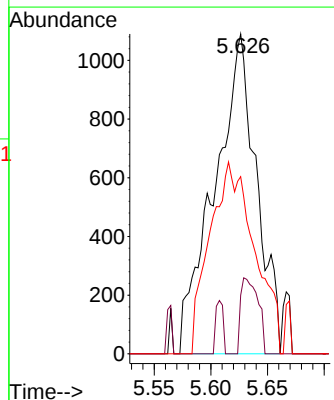
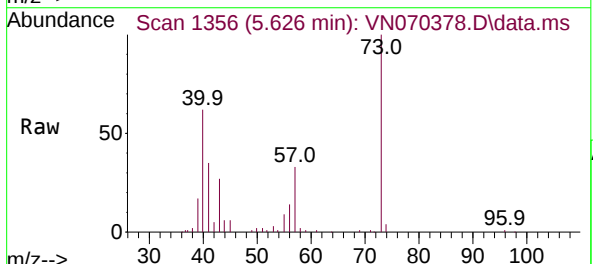


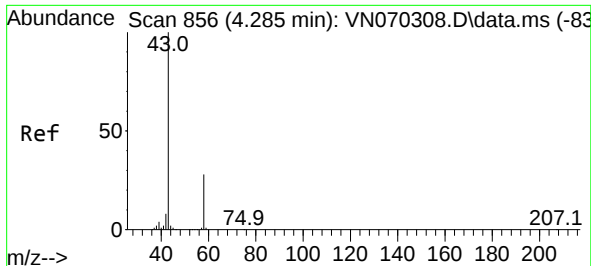
Tgt Ion: 56 Resp: 440
Ion Ratio Lower Upper
56 100
55 17.5 56.6 85.0#



#15
Acrylonitrile
Concen: 0.431 ug/l
RT: 5.626 min Scan# 1356
Delta R.T. 0.072 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Tgt Ion: 53 Resp: 2806
Ion Ratio Lower Upper
53 100
52 9.8 66.2 99.2#
51 0.0 29.6 44.4#

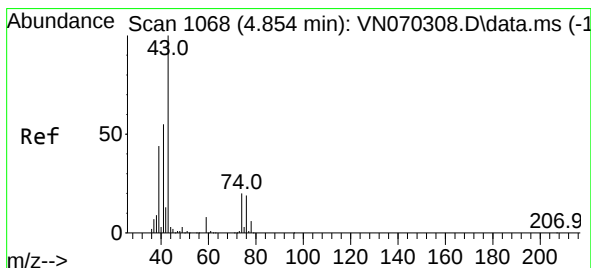
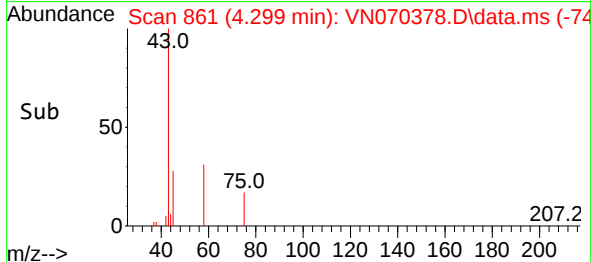
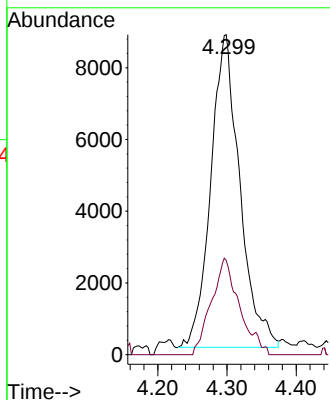
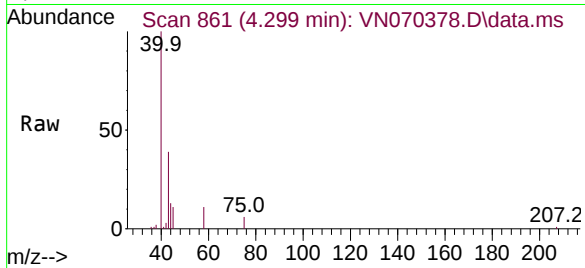




#16
Acetone
Concen: 3.119 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.014 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

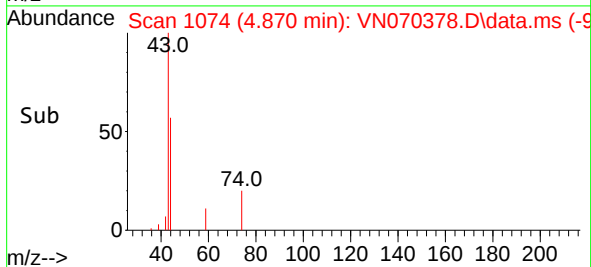
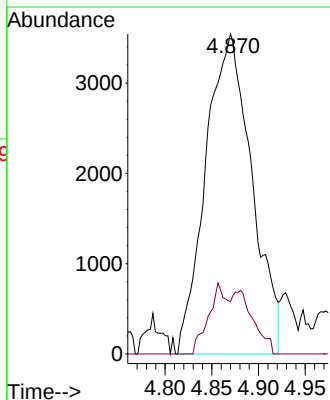
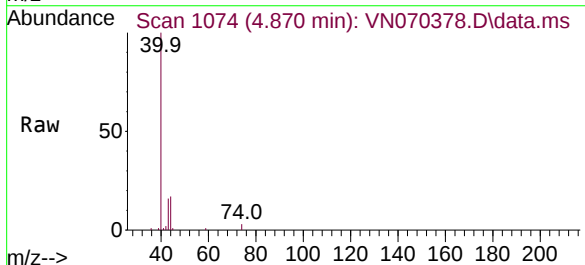
Instrument :
MSVOA_N
ClientSampleId :

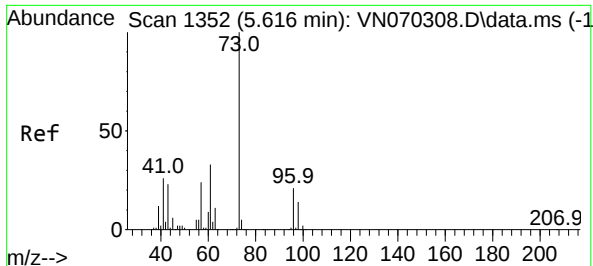
Tgt Ion: 43 Resp: 25396
Ion Ratio Lower Upper
43 100
58 30.1 23.1 34.7



#18
Methyl Acetate
Concen: 0.515 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Tgt Ion: 43 Resp: 12118
Ion Ratio Lower Upper
43 100
74 9.4 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 4.051 ug/l

RT: 5.624 min Scan# 1

Delta R.T. 0.008 min

Lab File: VN070378.D

Acq: 30 Dec 2021 5:27

Instrument :

MSVOA_N

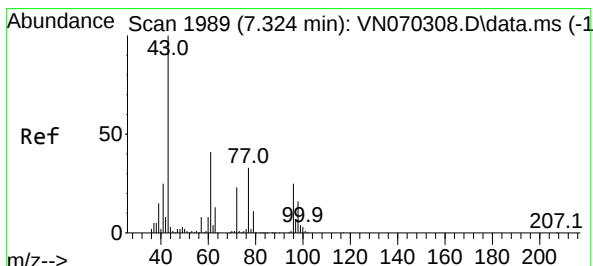
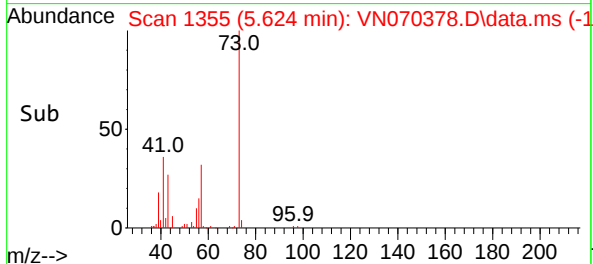
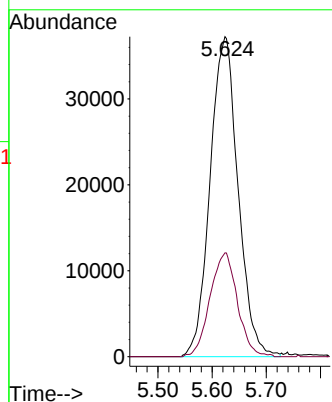
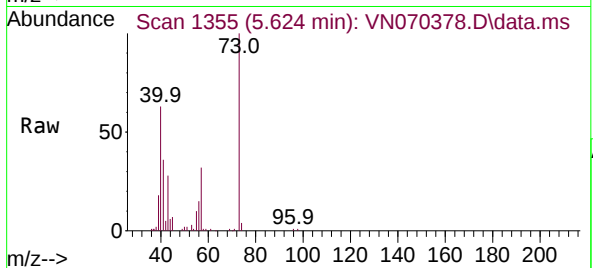
ClientSampleId :

Tgt Ion: 73 Resp: 133645

Ion Ratio Lower Upper

73 100

57 32.5 16.8 25.2#



#27

cis-1,2-Dichloroethene

Concen: 8.042 ug/l

RT: 7.329 min Scan# 1991

Delta R.T. 0.005 min

Lab File: VN070378.D

Acq: 30 Dec 2021 5:27

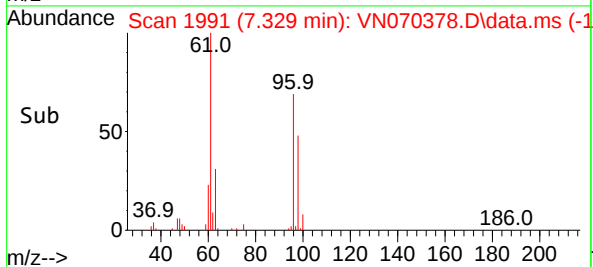
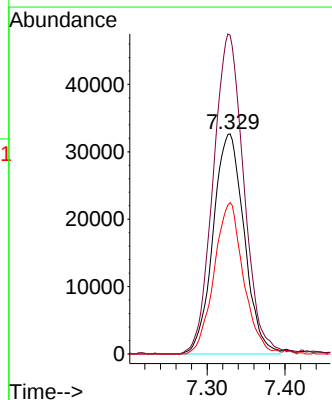
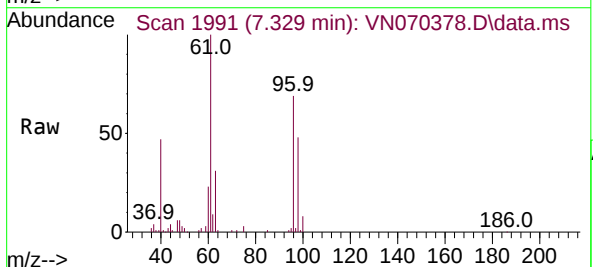
Tgt Ion: 96 Resp: 90267

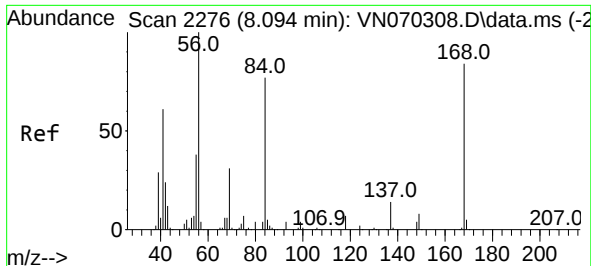
Ion Ratio Lower Upper

96 100

61 143.9 0.0 275.0

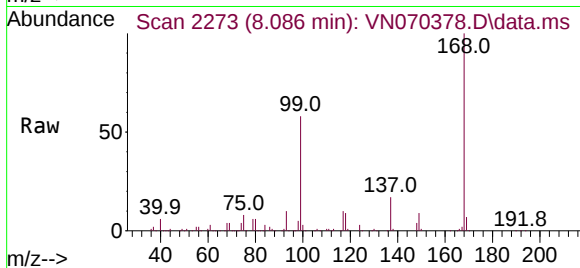
98 65.0 0.0 129.6



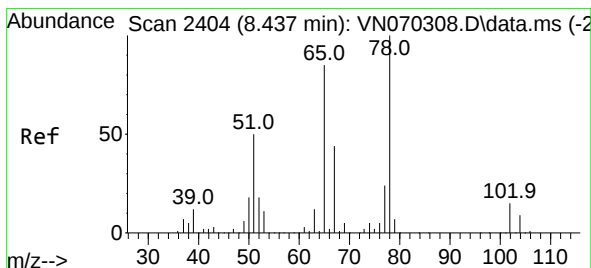
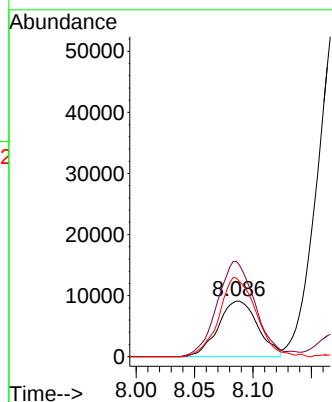
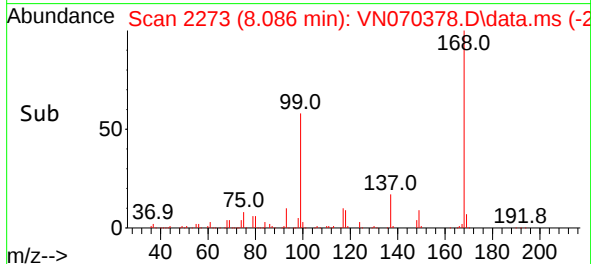


#31
Cyclohexane
Concen: 1.089 ug/l
RT: 8.086 min Scan# 21552
Delta R.T. -0.008 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

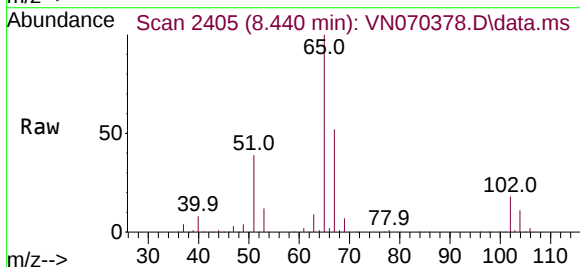
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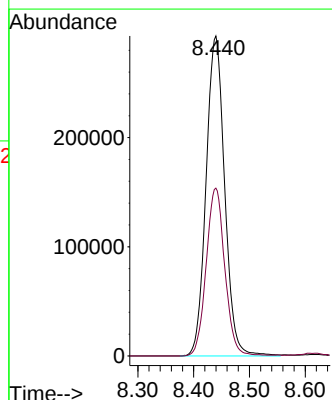
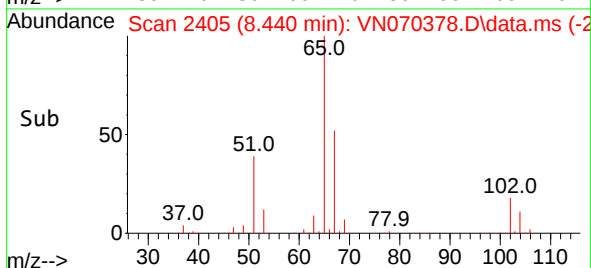
Tgt Ion: 56 Resp: 21552
Ion Ratio Lower Upper
56 100
69 171.6 27.1 40.7#
84 141.7 73.4 110.0#

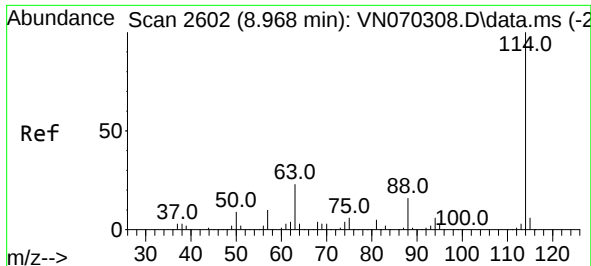


#33
1,2-Dichloroethane-d4
Concen: 54.215 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27



Tgt Ion: 65 Resp: 679976
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# 2602

Delta R.T. 0.000 min

Lab File: VN070378.D

Acq: 30 Dec 2021 5:27

Instrument :

MSVOA_N

ClientSampleId :

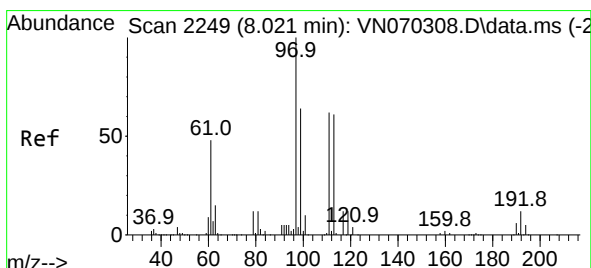
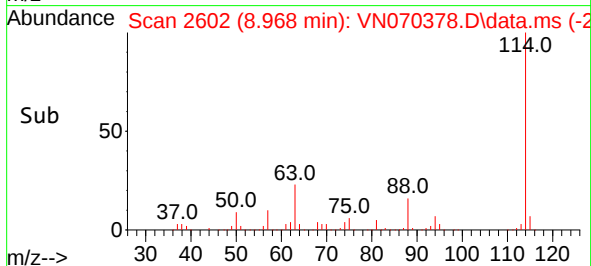
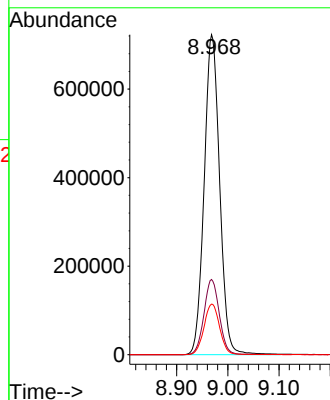
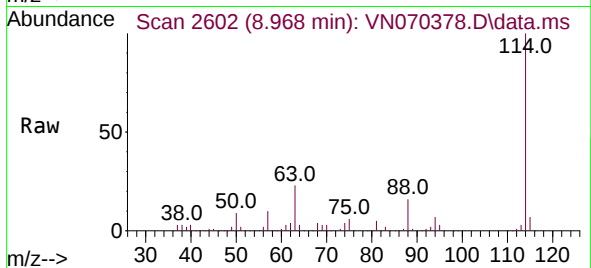
Tgt Ion:114 Resp: 1518595

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 15.8 0.0 27.4



#35

Dibromofluoromethane

Concen: 51.545 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070378.D

Acq: 30 Dec 2021 5:27

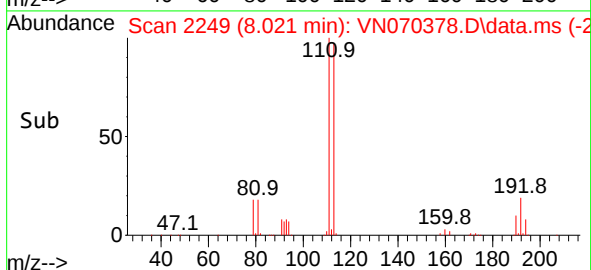
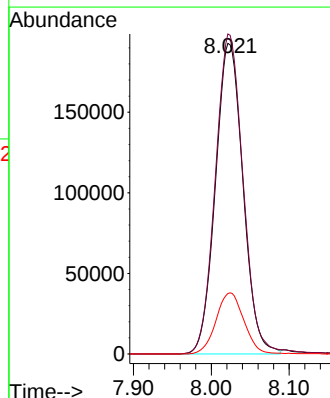
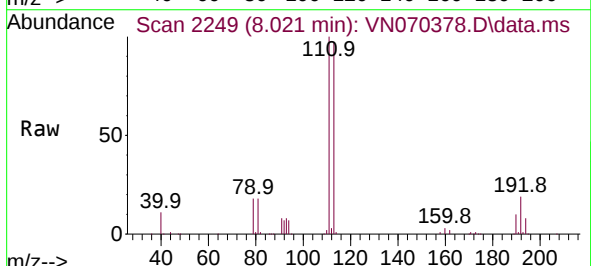
Tgt Ion:113 Resp: 473609

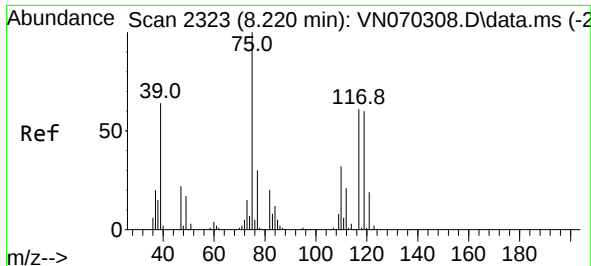
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.2

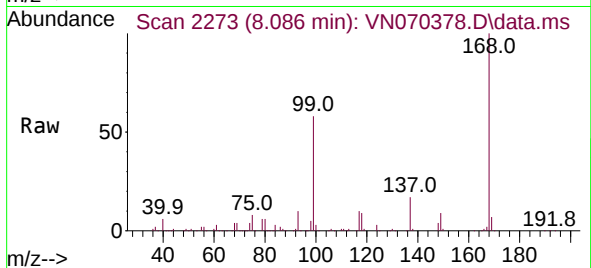
192 19.9 16.9 25.3



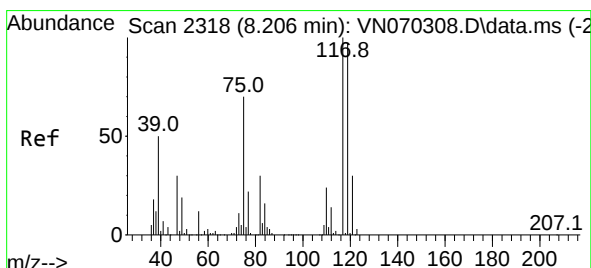
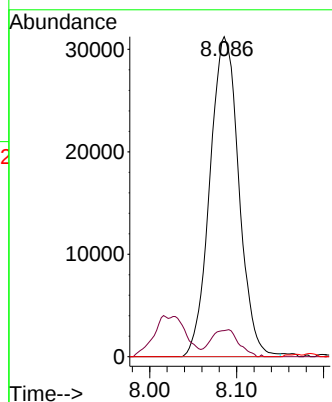
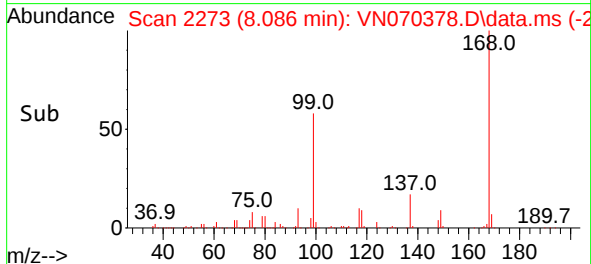


#36
1,1-Dichloropropene
Concen: 4.755 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

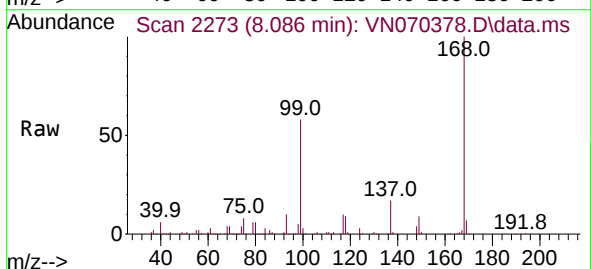
Instrument :
MSVOA_N
ClientSampleId :



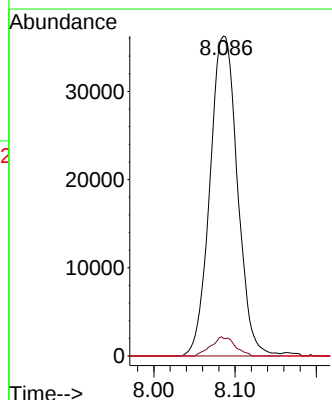
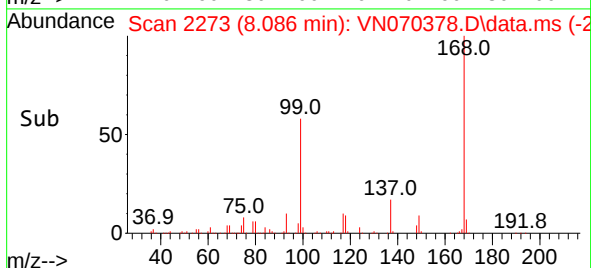
Tgt Ion: 75 Resp: 72277
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 24.4 36.6#

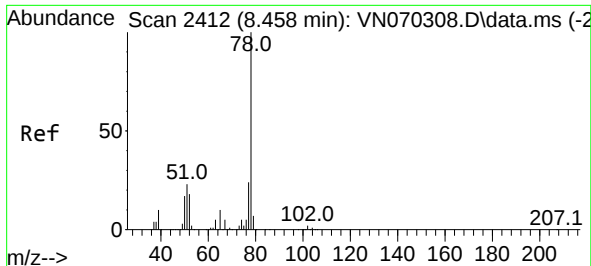


#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27



Tgt Ion: 117 Resp: 85367
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#

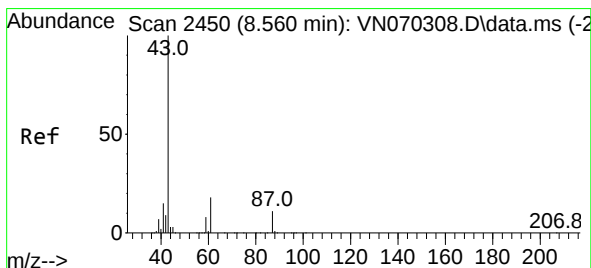
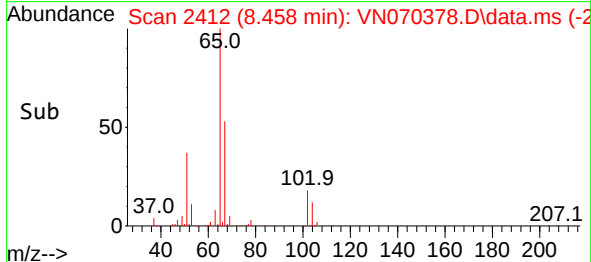
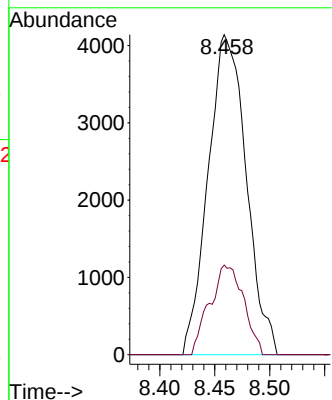
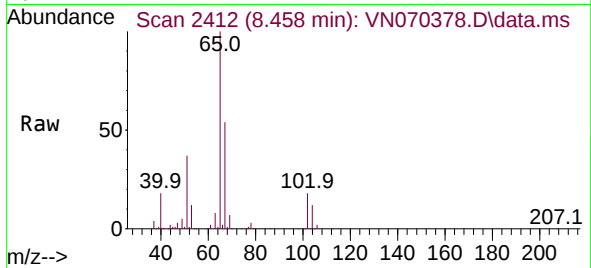




#40
Benzene
Concen: 0.214 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

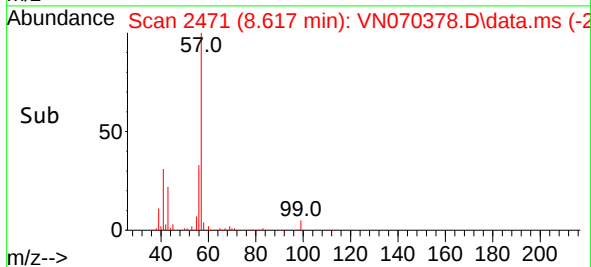
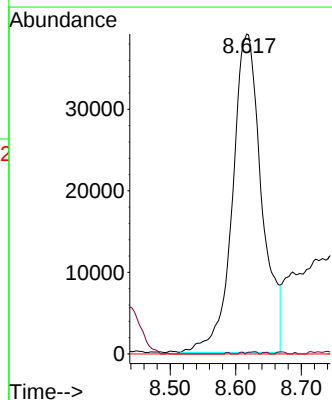
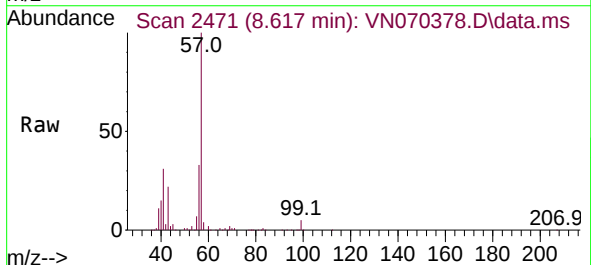
Instrument :
MSVOA_N
ClientSampleId :

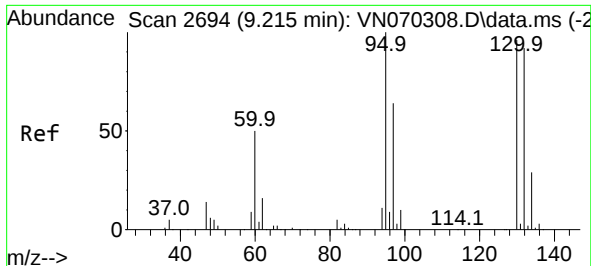
Tgt Ion: 78 Resp: 9975
Ion Ratio Lower Upper
78 100
77 28.0 18.6 27.8#



#43
Isopropyl Acetate
Concen: 3.888 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.057 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Tgt Ion: 43 Resp: 120787
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

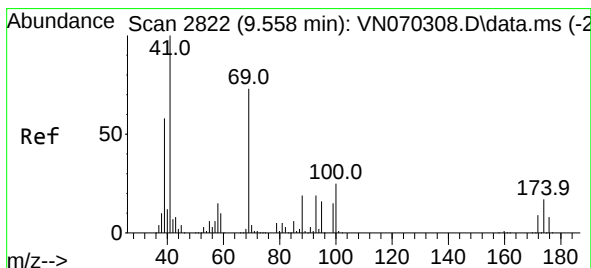
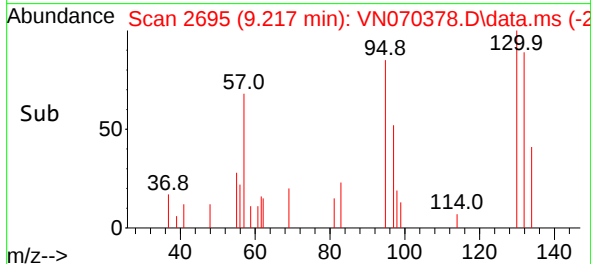
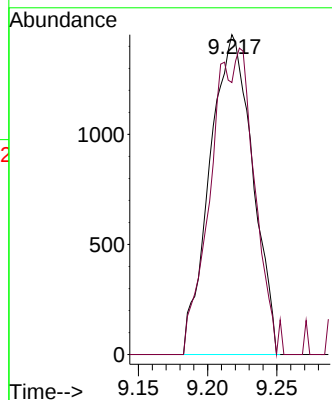
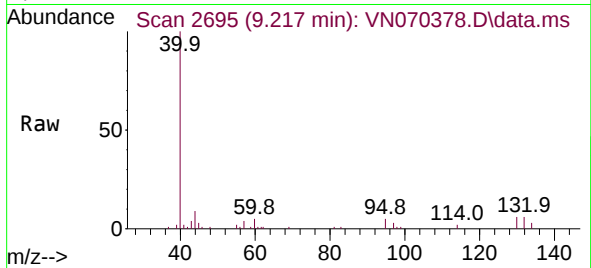




#44
Trichloroethene
Concen: 0.283 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.002 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

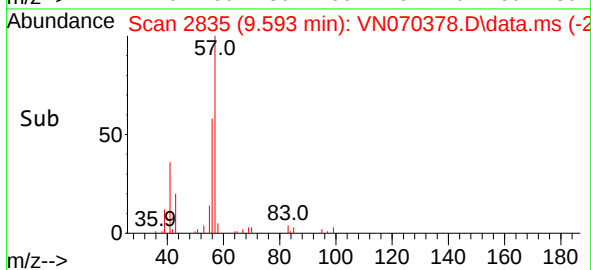
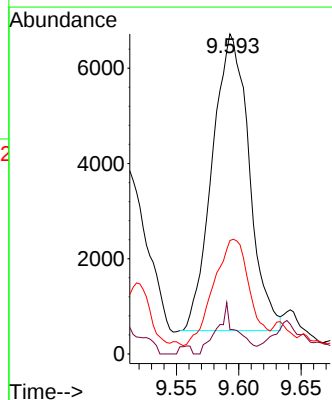
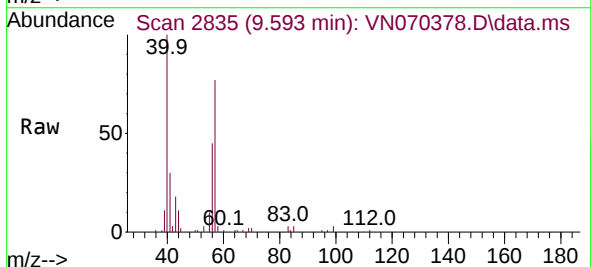
Instrument :
MSVOA_N
ClientSampleId :

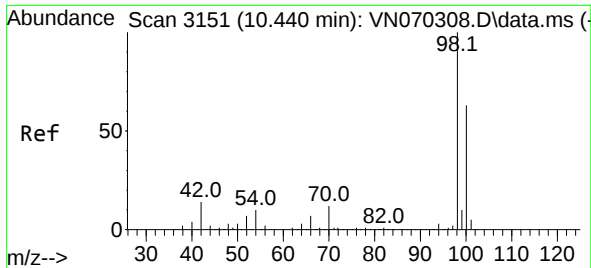
Tgt Ion:130 Resp: 3130
Ion Ratio Lower Upper
130 100
95 85.1 0.0 191.2



#48
Methyl methacrylate
Concen: 0.863 ug/l
RT: 9.593 min Scan# 2835
Delta R.T. 0.035 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Tgt Ion: 41 Resp: 12790
Ion Ratio Lower Upper
41 100
69 9.1 72.4 108.6#
39 35.1 58.4 87.6#

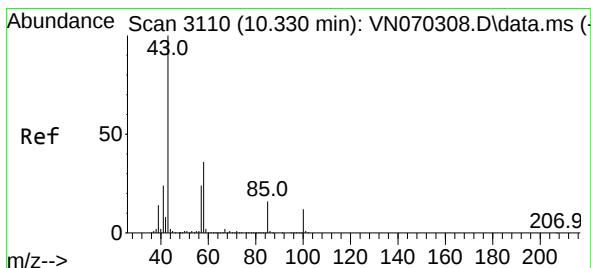
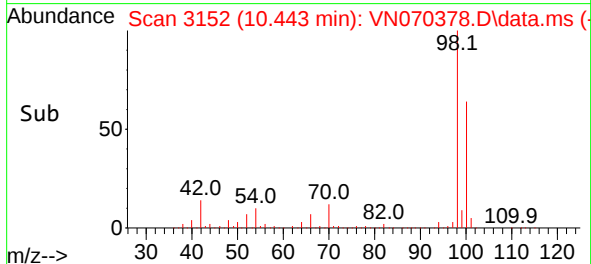
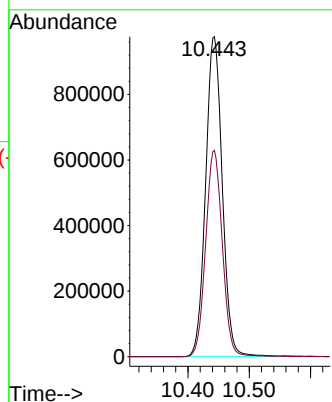
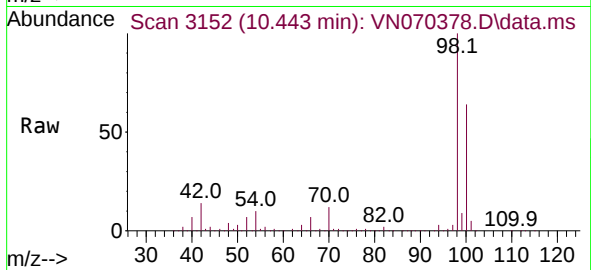




#50
Toluene-d8
Concen: 49.159 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

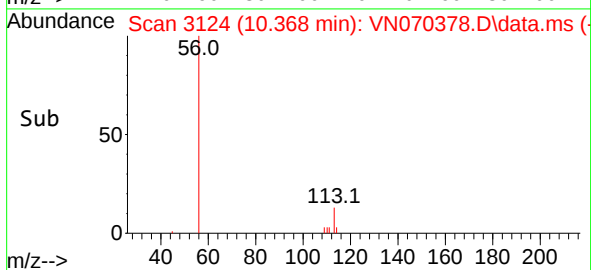
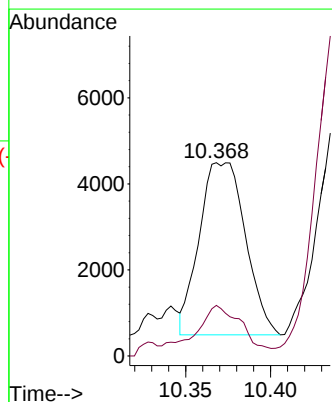
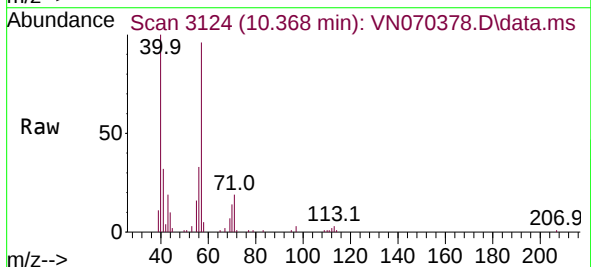
Instrument :
MSVOA_N
ClientSampleId :

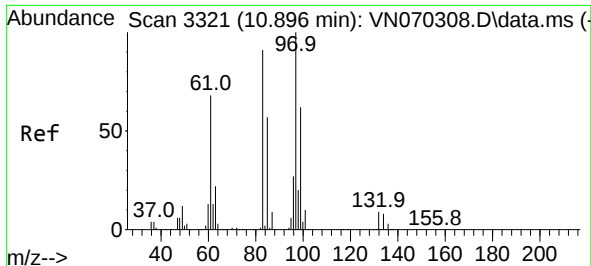
Tgt Ion: 98 Resp: 1845190
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.388 ug/l
RT: 10.368 min Scan# 3124
Delta R.T. 0.038 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

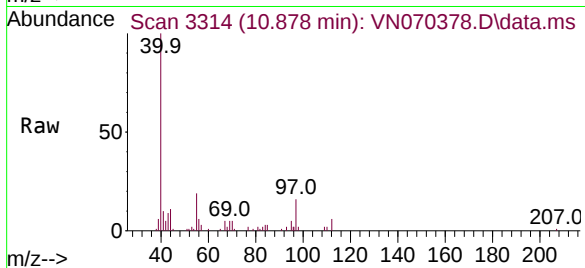
Tgt Ion: 43 Resp: 7567
Ion Ratio Lower Upper
43 100
58 22.5 30.4 45.6#



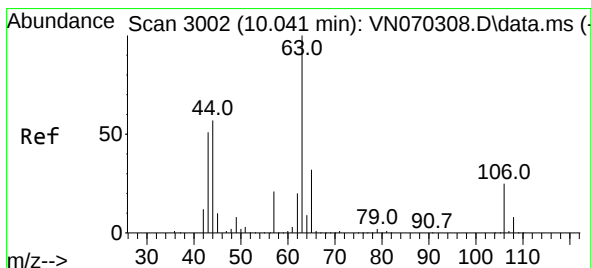
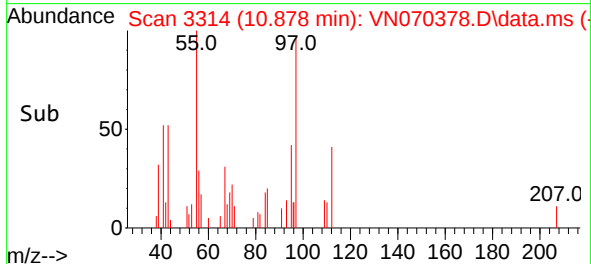
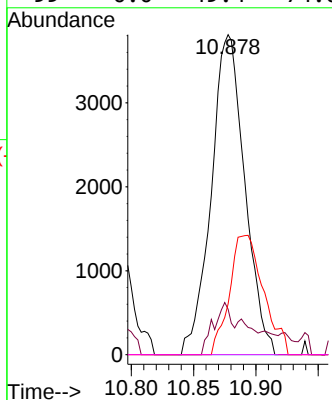


#55
1,1,2-Trichloroethane
Concen: 0.639 ug/l
RT: 10.878 min Scan# 311
Delta R.T. -0.018 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Instrument :
MSVOA_N
ClientSampleId :

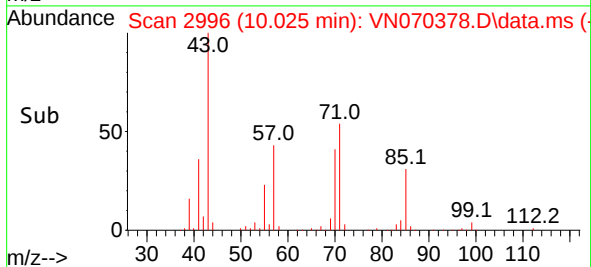
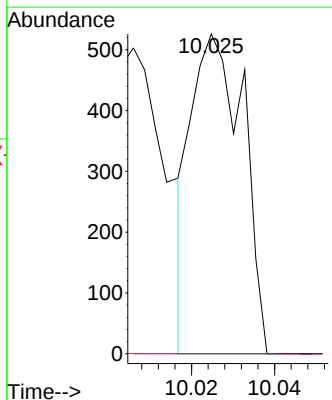
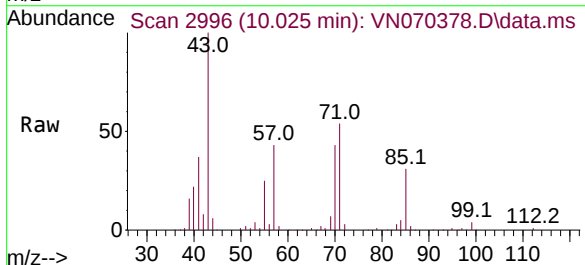


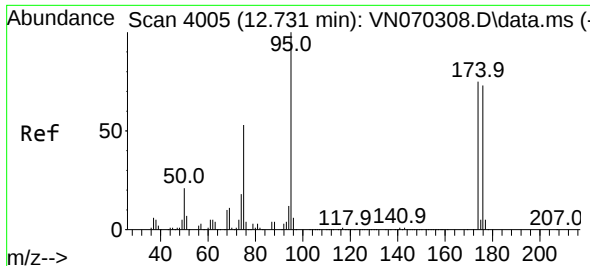
Tgt Ion: 97 Resp: 7131
Ion Ratio Lower Upper
97 100
83 14.2 67.8 101.6#
85 15.9 45.4 68.2#
99 0.0 49.4 74.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.603 ug/l
RT: 10.025 min Scan# 2996
Delta R.T. -0.016 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Tgt Ion: 63 Resp: 458
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

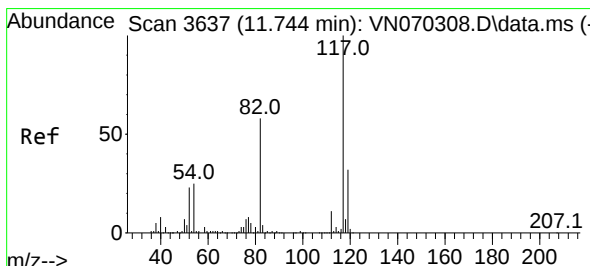
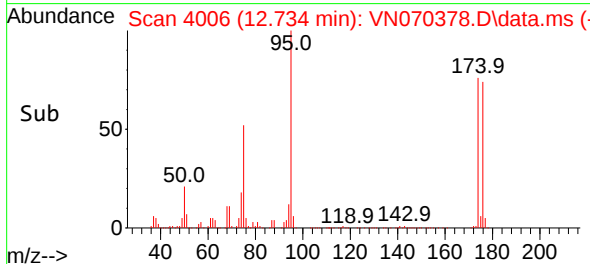
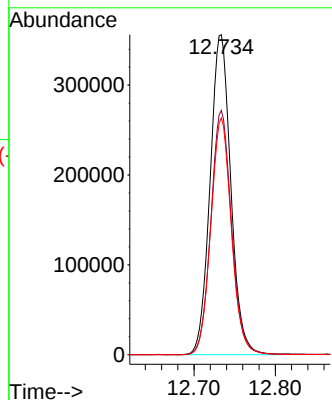
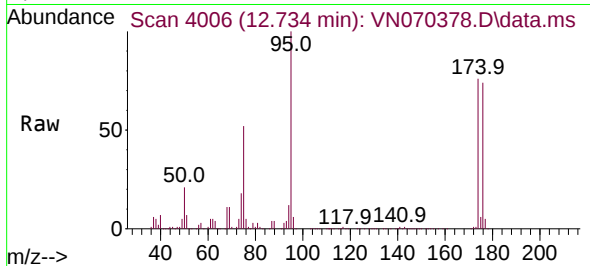




#62
4-Bromofluorobenzene
Concen: 46.512 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

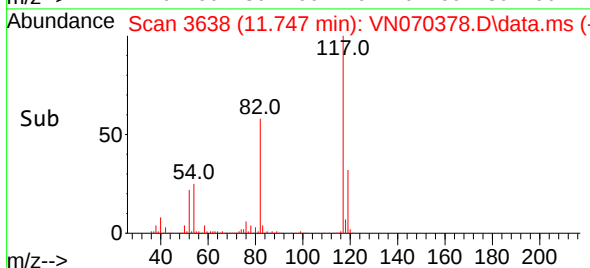
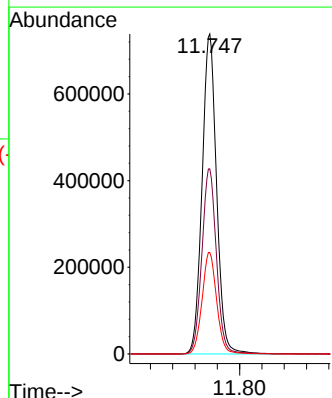
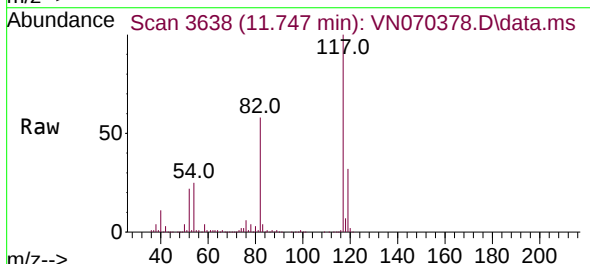
Instrument :
MSVOA_N
ClientSampleId :

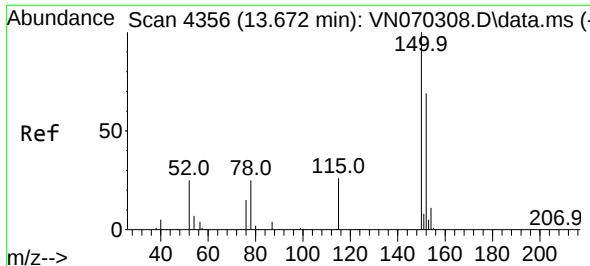
Tgt Ion: 95 Resp: 630561
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

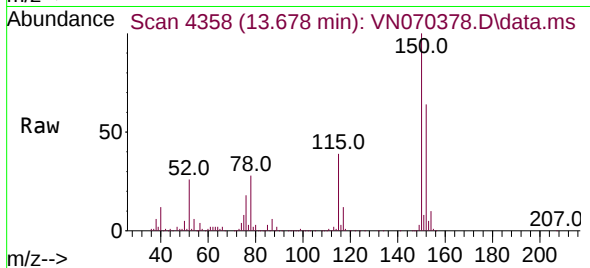
Tgt Ion: 117 Resp: 1330595
Ion Ratio Lower Upper
117 100
82 57.8 42.4 63.6
119 31.7 25.4 38.2



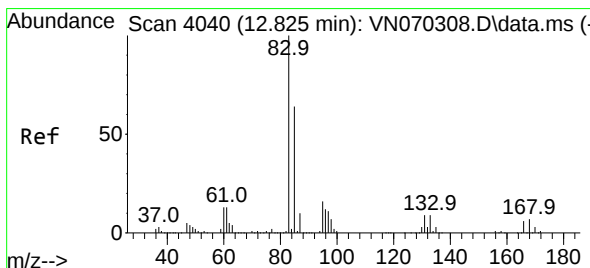
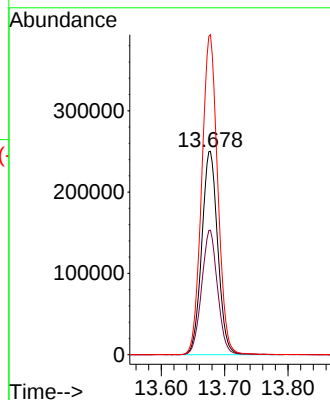
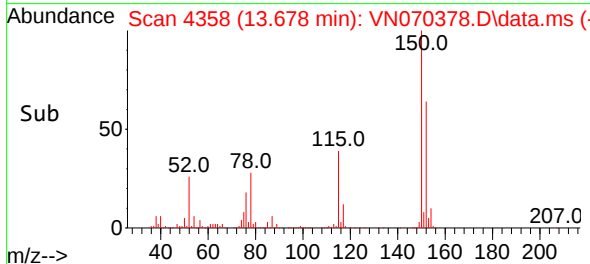


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VN070378.D
 Acq: 30 Dec 2021 5:27

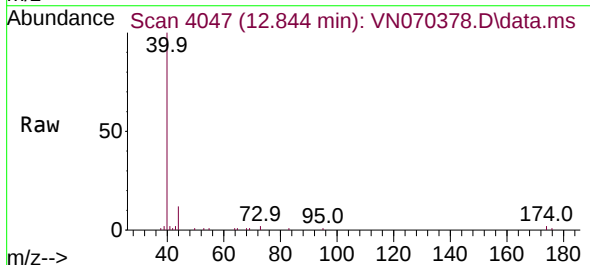
Instrument :
 MSVOA_N
 ClientSampleId :



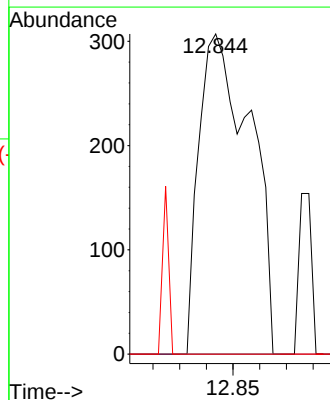
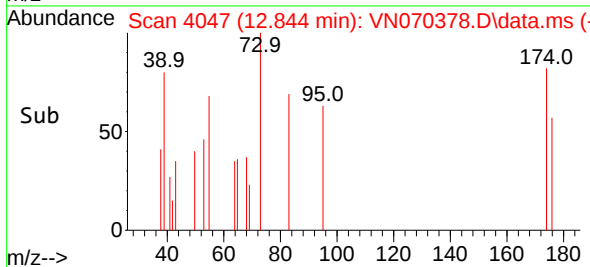
Tgt Ion:152 Resp: 438003
 Ion Ratio Lower Upper
 152 100
 115 61.1 27.5 82.5
 150 157.2 0.0 344.4

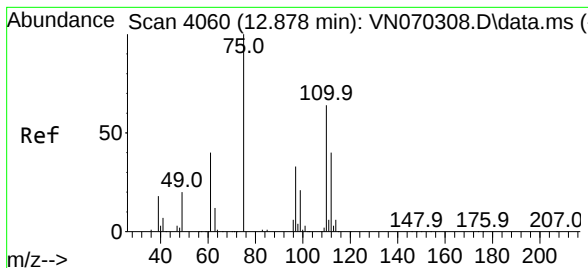


#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.475 ug/l
 RT: 12.844 min Scan# 4047
 Delta R.T. 0.019 min
 Lab File: VN070378.D
 Acq: 30 Dec 2021 5:27



Tgt Ion: 83 Resp: 410
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 6.3 32.4 97.2#





#76

1,2,3-Trichloropropane

Concen: 26.889 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. -0.144 min

Lab File: VN070378.D

Acq: 30 Dec 2021 5:27

Instrument :

MSVOA_N

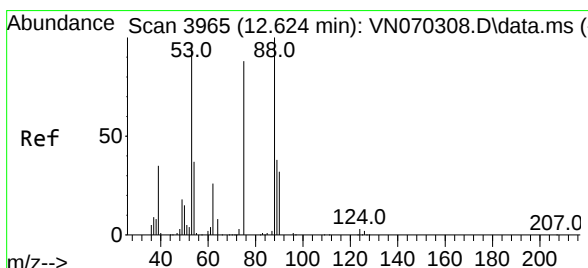
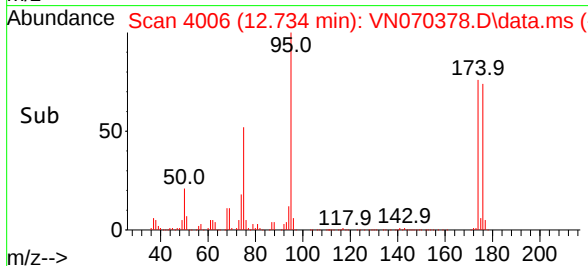
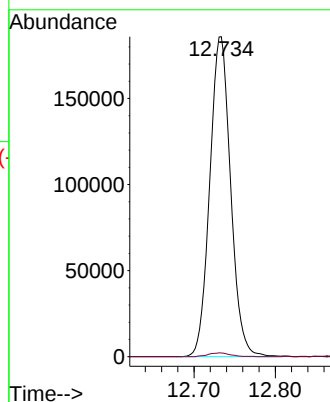
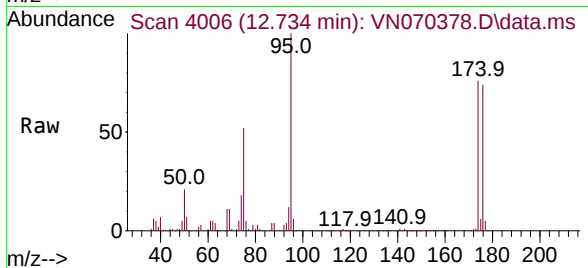
ClientSampleId :

Tgt Ion: 75 Resp: 331338

Ion Ratio Lower Upper

75 100

77 1.3 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.424 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. 0.110 min

Lab File: VN070378.D

Acq: 30 Dec 2021 5:27

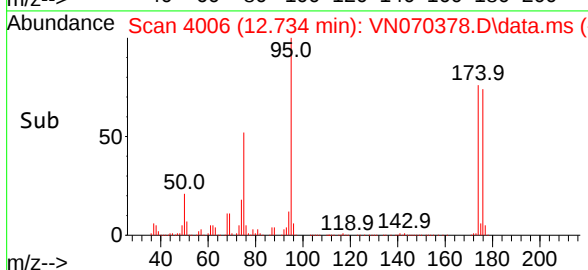
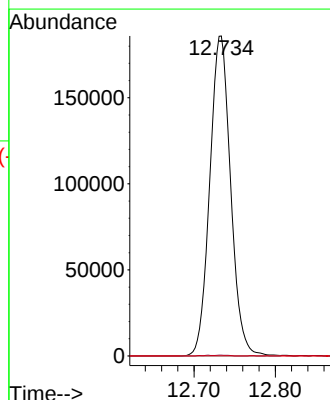
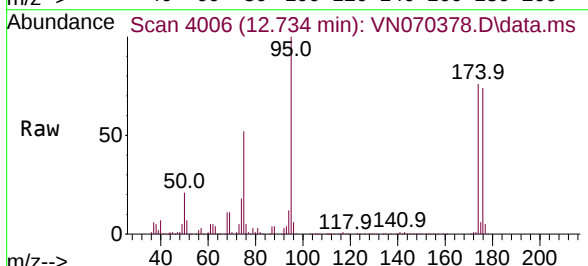
Tgt Ion: 75 Resp: 331338

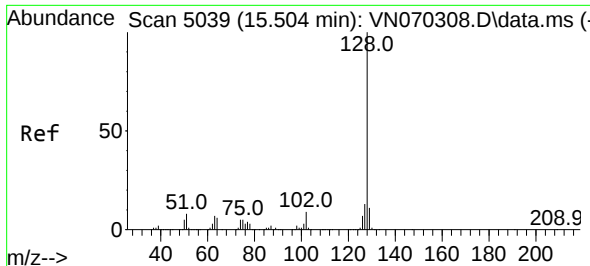
Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 38.2 57.4#

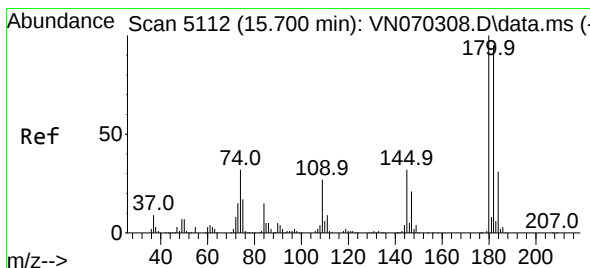
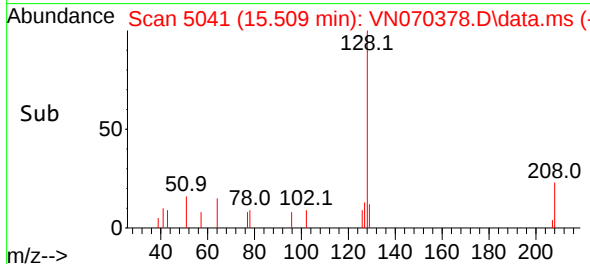
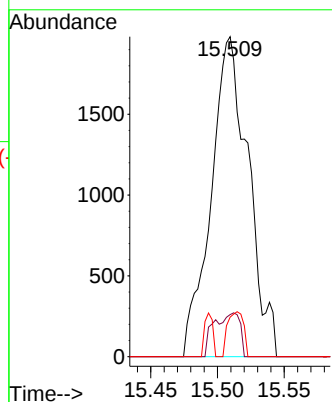
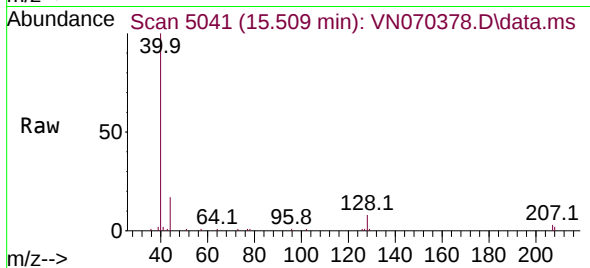




#95
Naphthalene
Concen: 1.982 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3840
Ion Ratio Lower Upper
128 100
127 5.2 10.5 15.7#
129 6.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.894 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.000 min
Lab File: VN070378.D
Acq: 30 Dec 2021 5:27

Tgt Ion:180 Resp: 474
Ion Ratio Lower Upper
180 100
182 72.2 47.4 142.2
145 10.8 15.0 45.1#

