

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070380.D
 Acq On : 30 Dec 2021 6:18
 Operator : JC/MD
 Sample : M5007-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 07:19:12 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	889084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1539390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1346092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	425639	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	669419	52.367	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.740%	
35) Dibromofluoromethane	8.024	113	474114	50.903	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.800%	
50) Toluene-d8	10.443	98	1801116	47.337	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 94.680%	
62) 4-Bromofluorobenzene	12.734	95	598781	43.572	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 87.140%	

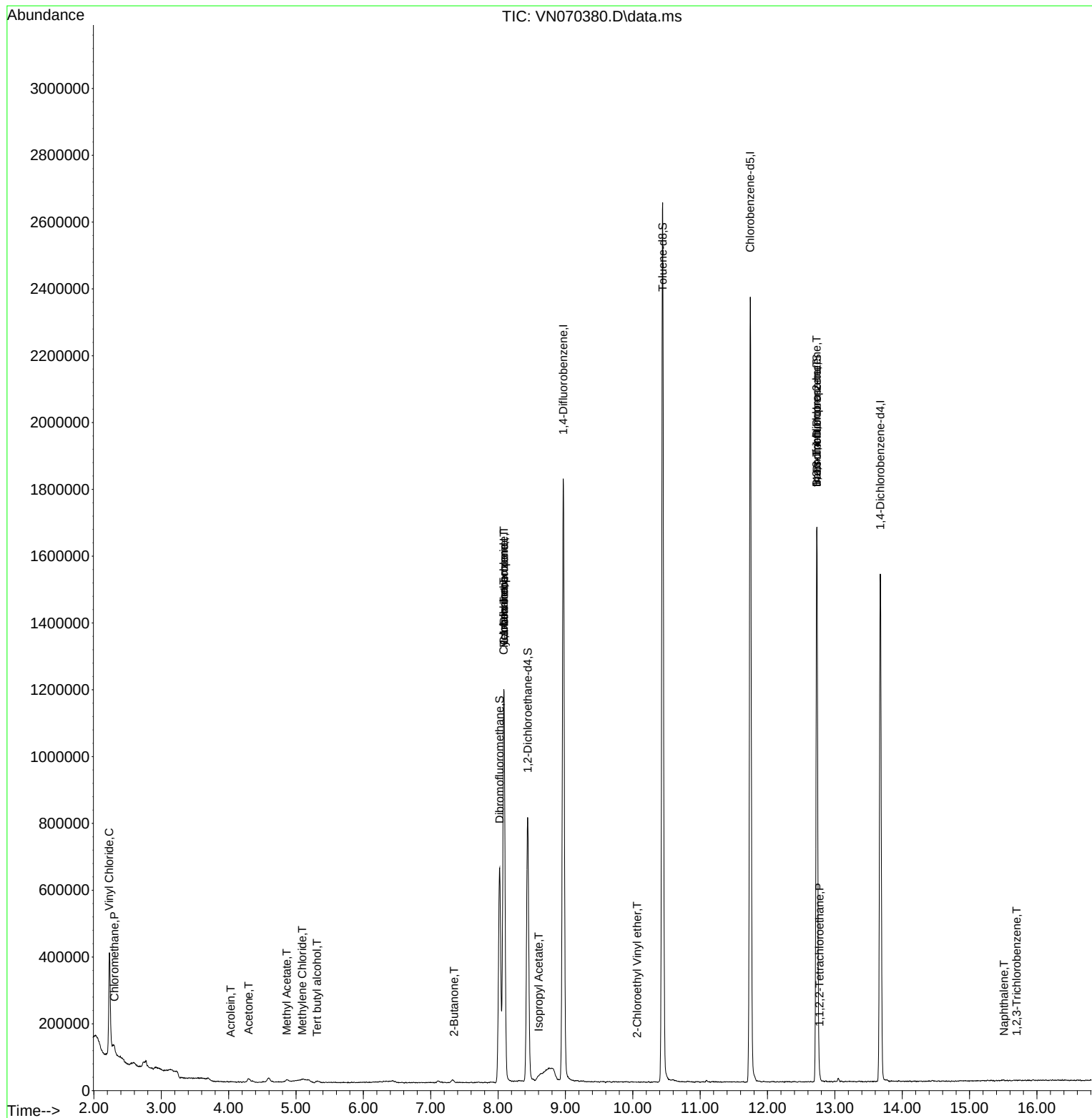
Target Compounds				Qvalue		
3) Chloromethane	2.303	50	4862	0.354	ug/l	93
4) Vinyl Chloride	2.228	62	3204	0.257	ug/l #	1
11) Tert butyl alcohol	5.313	59	434	0.204	ug/l #	71
13) Acrolein	4.031	56	422	0.244	ug/l	86
16) Acetone	4.296	43	12707	1.531	ug/l	90
18) Methyl Acetate	4.865	43	13939	0.581	ug/l #	59
20) Methylene Chloride	5.093	84	2321	0.202	ug/l #	90
25) 2-Butanone	7.348	43	2756	0.264	ug/l #	48
31) Cyclohexane	8.083	56	20768	1.030	ug/l #	14
36) 1,1-Dichloropropene	8.086	75	72919	4.733	ug/l #	49
38) Carbon Tetrachloride	8.086	117	90109	6.125	ug/l #	16
43) Isopropyl Acetate	8.603	43	14903	0.473	ug/l #	55
58) 2-Chloroethyl Vinyl ether	10.065	63	26	18.518	ug/l #	45
71) Bromoform	12.731	173	2364	0.312	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.774	83	30	0.449	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	316231	26.457	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	316231	90.772	ug/l #	5
95) Naphthalene	15.509	128	2005	1.897	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.700	180	462	0.894	ug/l #	76

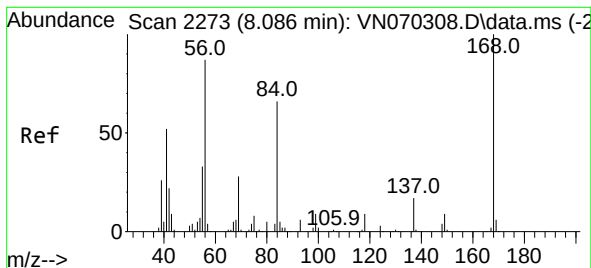
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070380.D

Acq: 30 Dec 2021 6:18

Instrument :

MSVOA_N

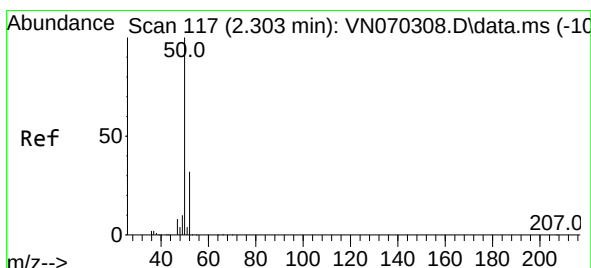
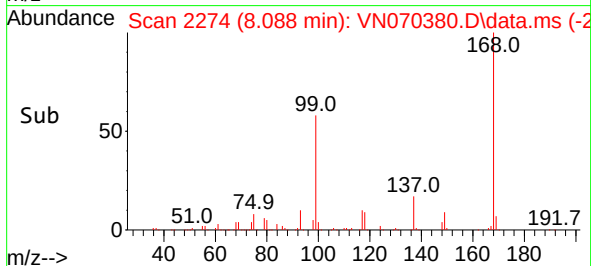
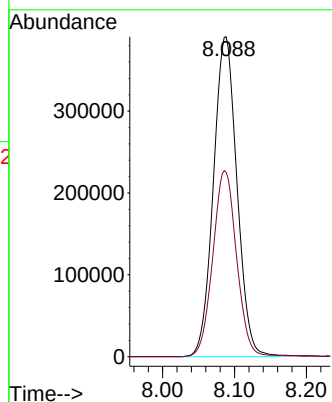
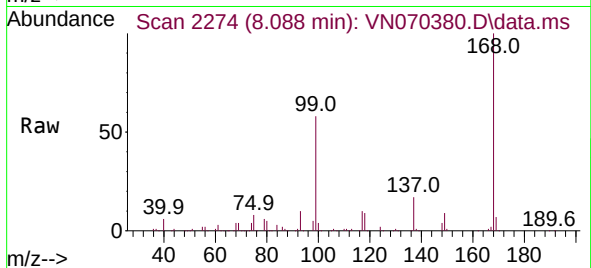
ClientSampleId :

Tgt Ion:168 Resp: 889084

Ion Ratio Lower Upper

168 100

99 57.6 41.3 61.9



#3

Chloromethane

Concen: 0.354 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.000 min

Lab File: VN070380.D

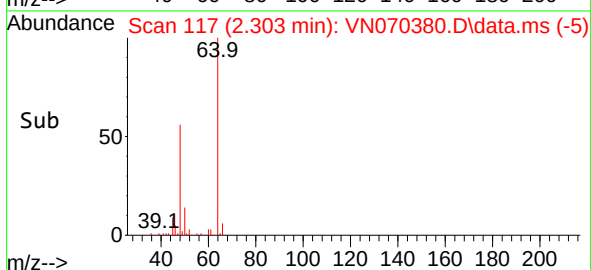
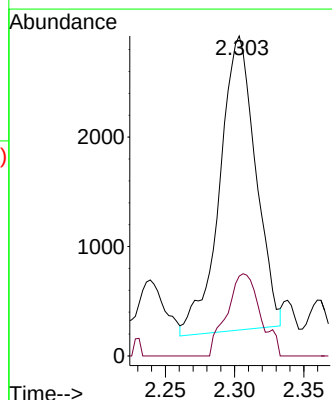
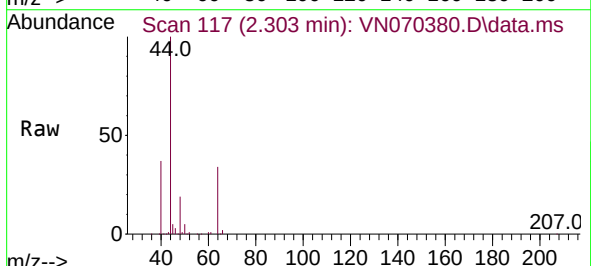
Acq: 30 Dec 2021 6:18

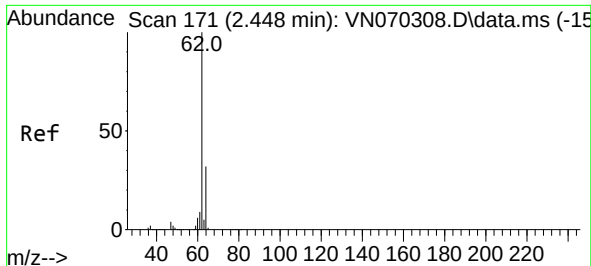
Tgt Ion: 50 Resp: 4862

Ion Ratio Lower Upper

50 100

52 27.5 25.4 38.0

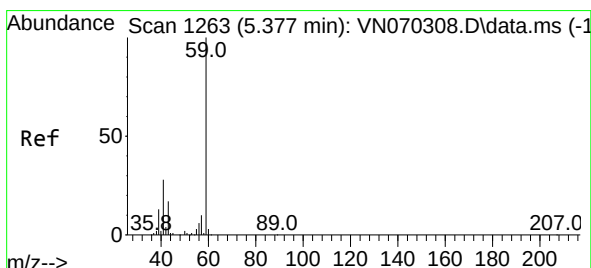
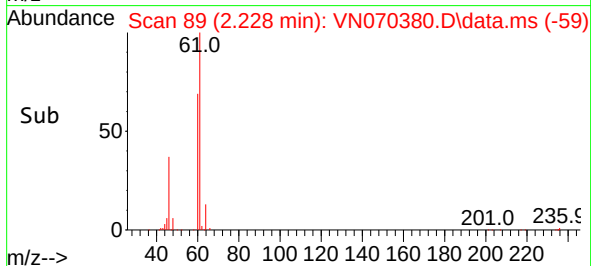
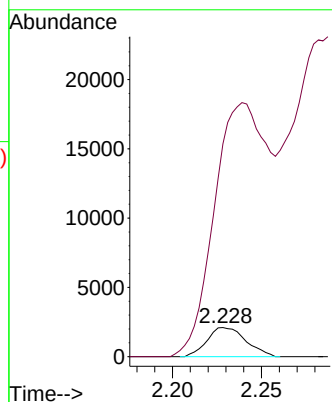
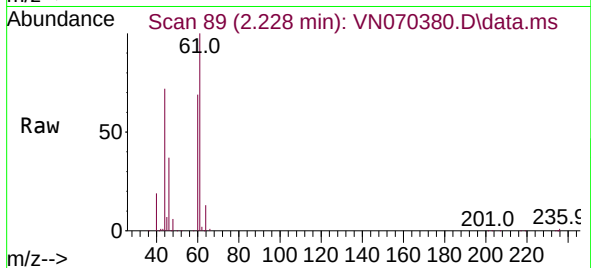




#4
 Vinyl Chloride
 Concen: 0.257 ug/l
 RT: 2.228 min Scan# 89
 Delta R.T. -0.220 min
 Lab File: VN070380.D
 Acq: 30 Dec 2021 6:18

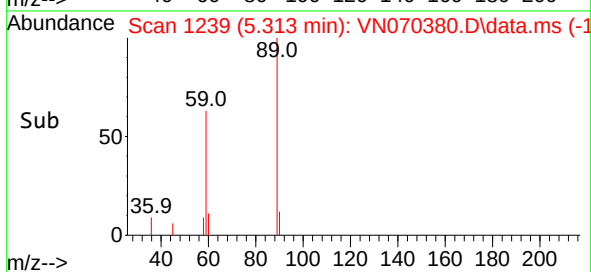
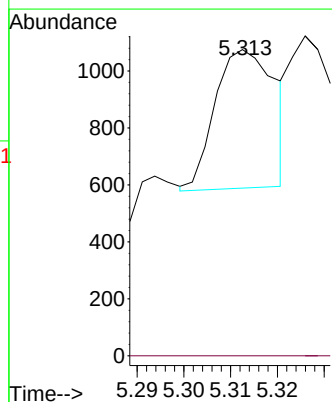
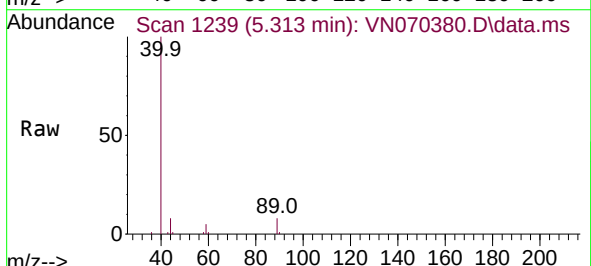
Instrument :
 MSVOA_N
 ClientSampleId :

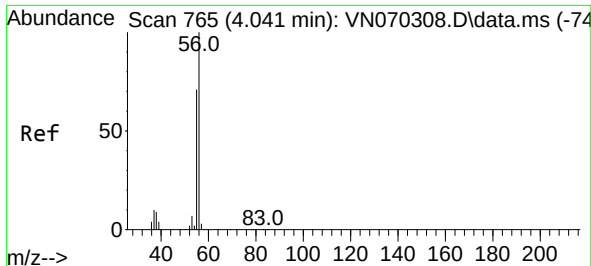
Tgt Ion: 62 Resp: 3204
 Ion Ratio Lower Upper
 62 100
 64 711.3 25.8 38.6#



#11
 Tert butyl alcohol
 Concen: 0.204 ug/l
 RT: 5.313 min Scan# 1239
 Delta R.T. -0.064 min
 Lab File: VN070380.D
 Acq: 30 Dec 2021 6:18

Tgt Ion: 59 Resp: 434
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

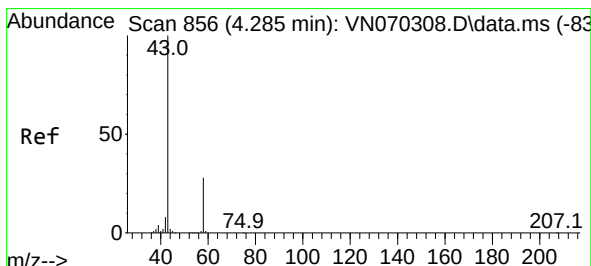
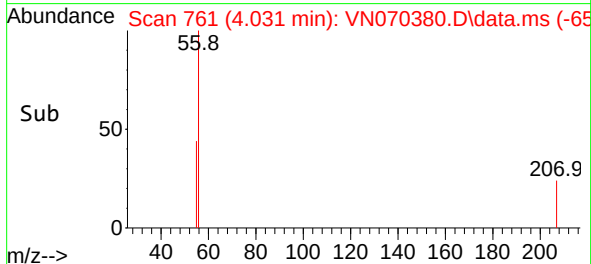
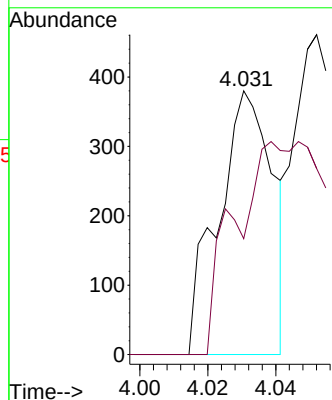
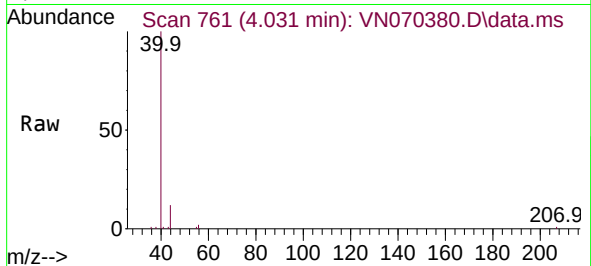




#13
Acrolein
Concen: 0.244 ug/l
RT: 4.031 min Scan# 761
Delta R.T. -0.010 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

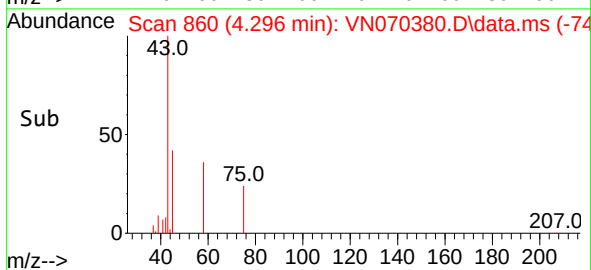
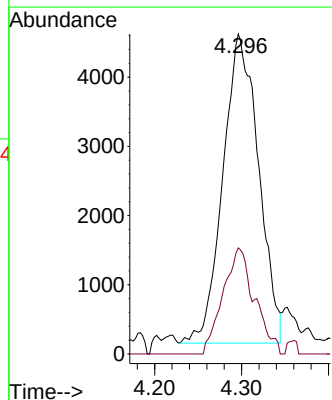
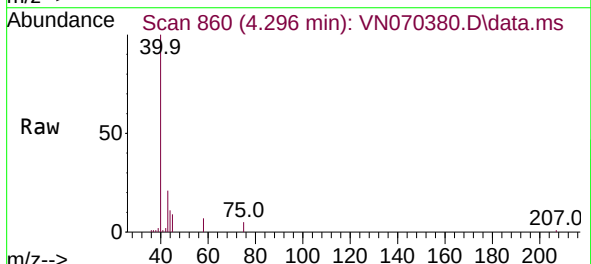
Instrument :
MSVOA_N
ClientSampleId :

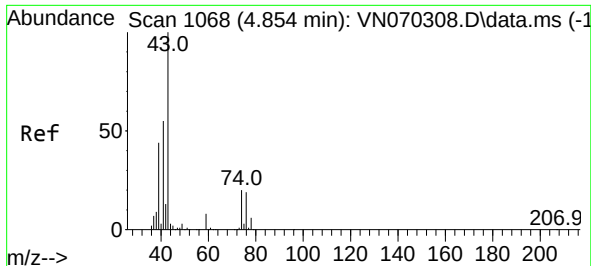
Tgt Ion: 56 Resp: 422
Ion Ratio Lower Upper
56 100
55 82.0 56.6 85.0



#16
Acetone
Concen: 1.531 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

Tgt Ion: 43 Resp: 12707
Ion Ratio Lower Upper
43 100
58 34.3 23.1 34.7





#18

Methyl Acetate

Concen: 0.581 ug/l

RT: 4.865 min Scan# 1107

Delta R.T. 0.011 min

Lab File: VN070380.D

Acq: 30 Dec 2021 6:18

Instrument :

MSVOA_N

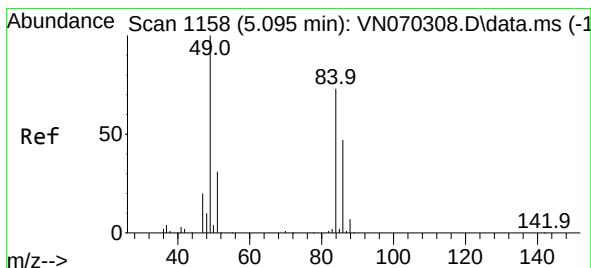
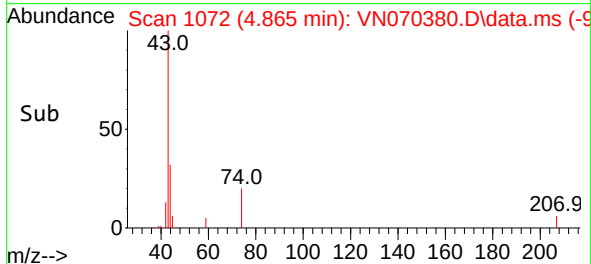
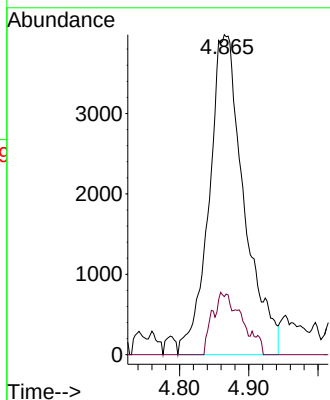
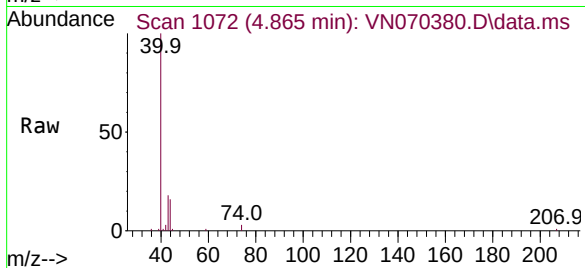
ClientSampleId :

Tgt Ion: 43 Resp: 13939

Ion Ratio Lower Upper

43 100

74 3.7 19.4 29.2#



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN070380.D

Acq: 30 Dec 2021 6:18

Tgt Ion: 84 Resp: 2321

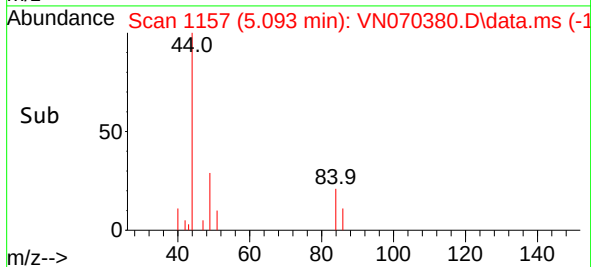
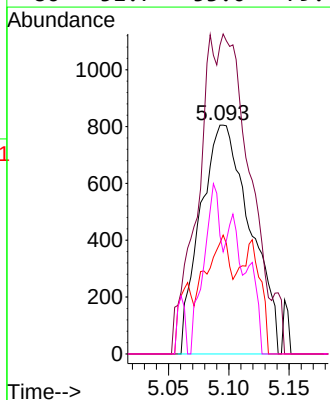
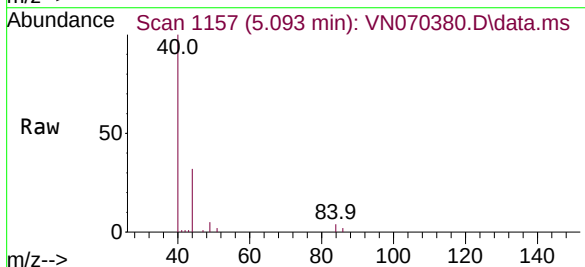
Ion Ratio Lower Upper

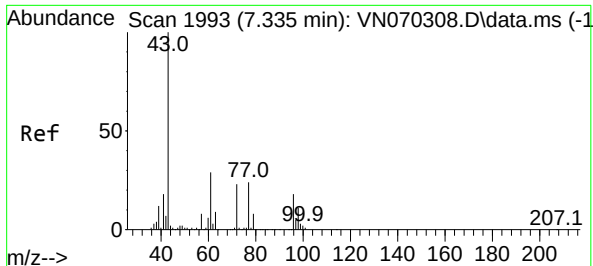
84 100

49 113.7 93.5 140.3

51 48.4 29.4 44.2#

86 51.7 53.0 79.4#





#25

2-Butanone

Concen: 0.264 ug/l

RT: 7.348 min Scan# 1993

Delta R.T. 0.013 min

Lab File: VN070380.D

Acq: 30 Dec 2021 6:18

Instrument :

MSVOA_N

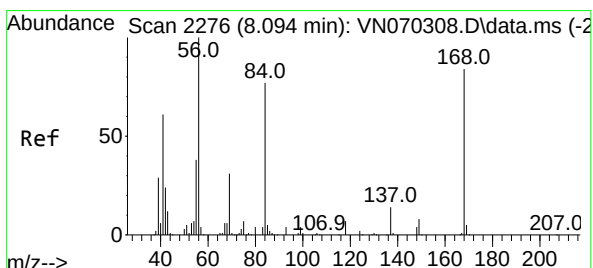
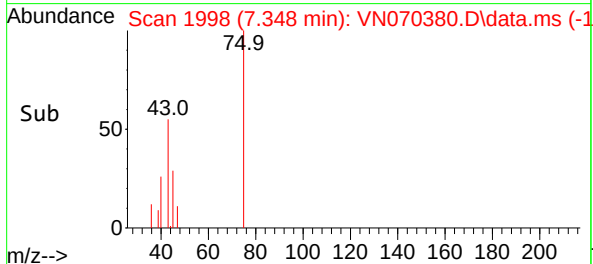
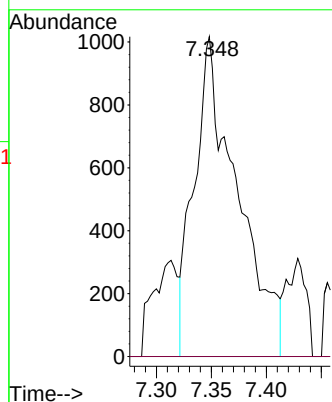
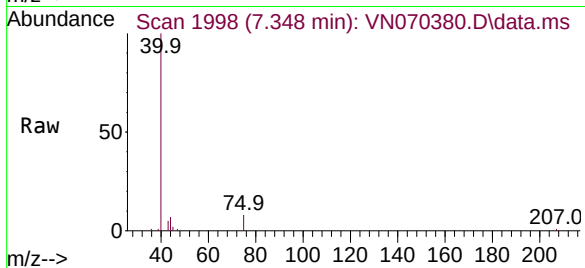
ClientSampleId :

Tgt Ion: 43 Resp: 2756

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.030 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070380.D

Acq: 30 Dec 2021 6:18

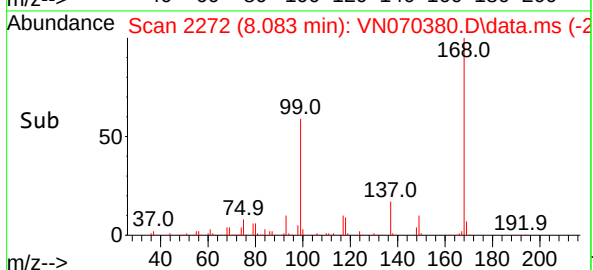
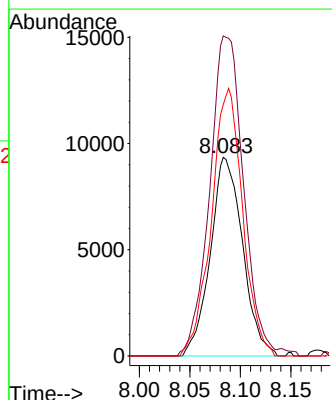
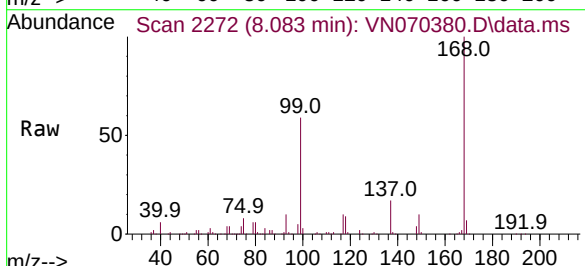
Tgt Ion: 56 Resp: 20768

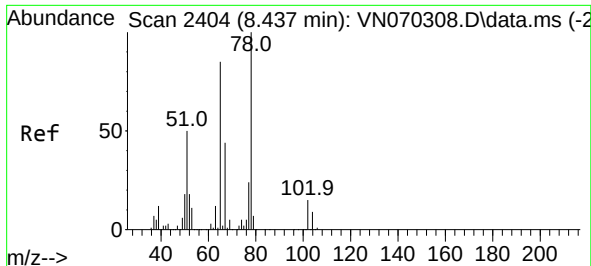
Ion Ratio Lower Upper

56 100

69 159.1 27.1 40.7#

84 126.6 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.367 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070380.D

Acq: 30 Dec 2021 6:18

Instrument :

MSVOA_N

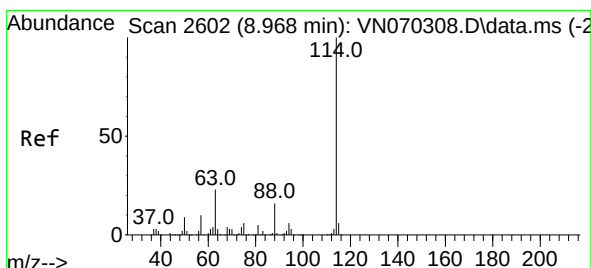
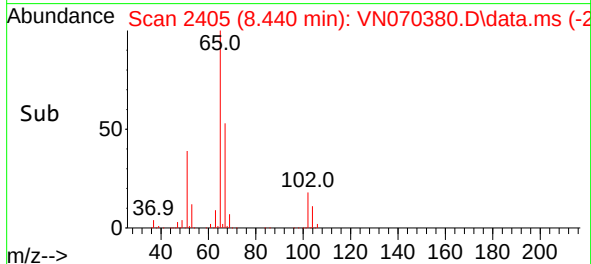
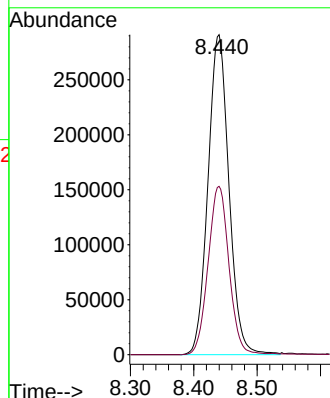
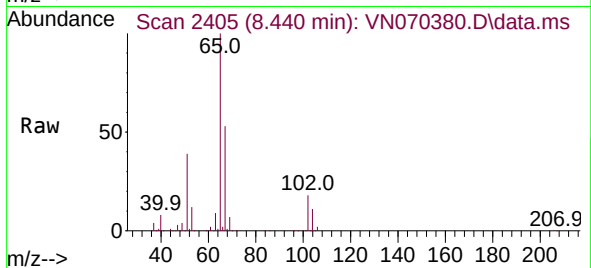
ClientSampleId :

Tgt Ion: 65 Resp: 669419

Ion Ratio Lower Upper

65 100

67 52.3 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: VN070380.D

Acq: 30 Dec 2021 6:18

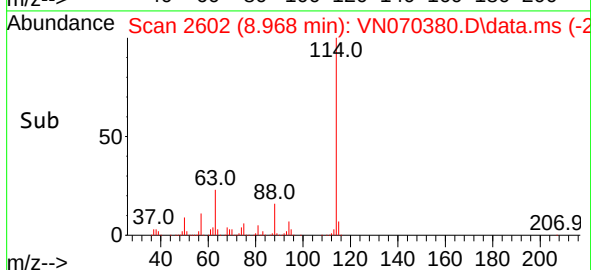
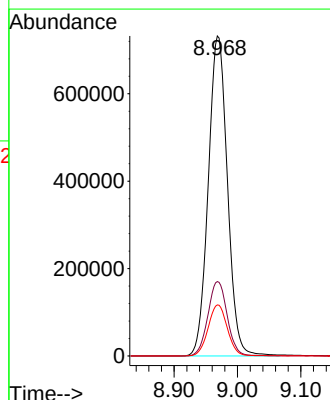
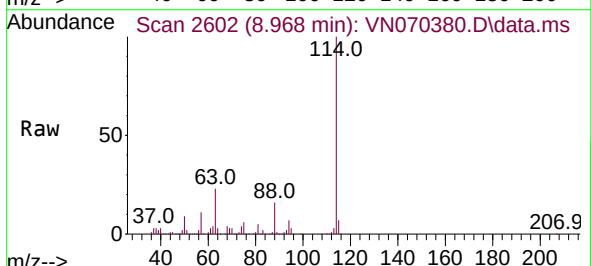
Tgt Ion: 114 Resp: 1539390

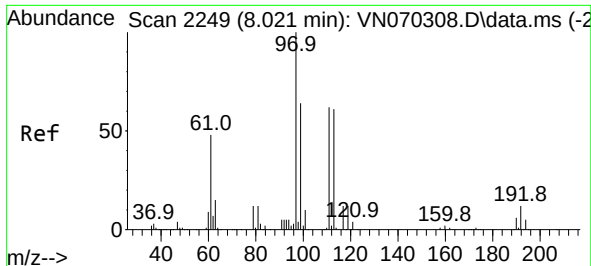
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

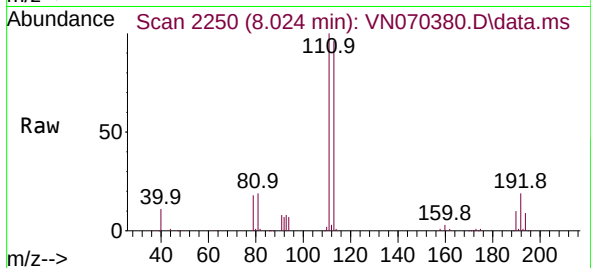
88 15.9 0.0 27.4



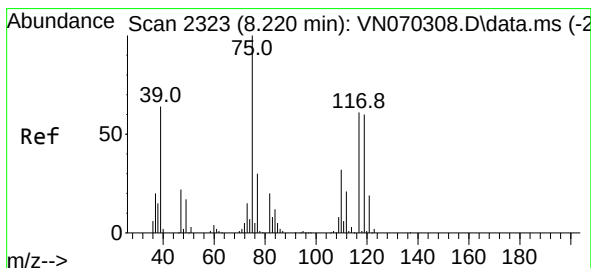
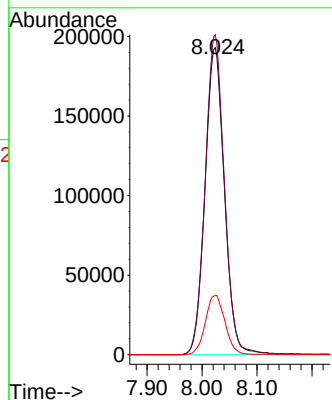
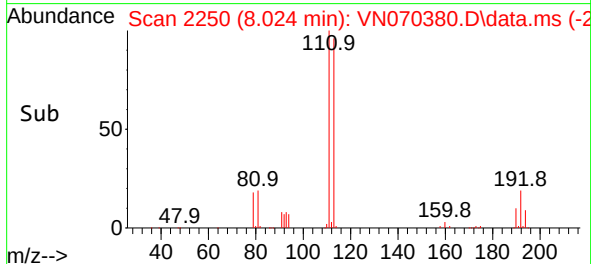


#35
 Dibromofluoromethane
 Concen: 50.903 ug/l
 RT: 8.024 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VN070380.D
 Acq: 30 Dec 2021 6:18

Instrument :
 MSVOA_N
 ClientSampleId :

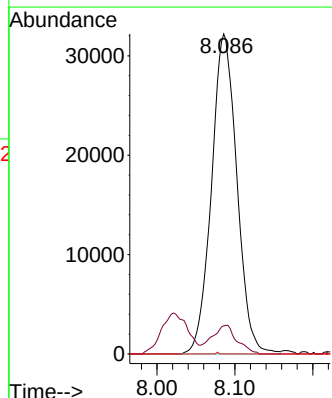
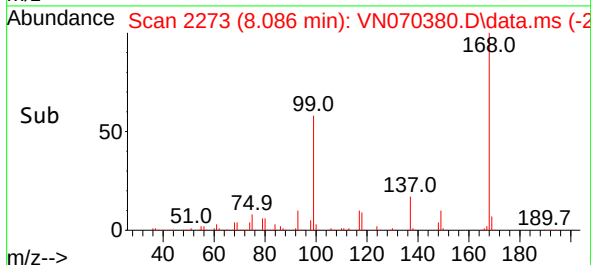
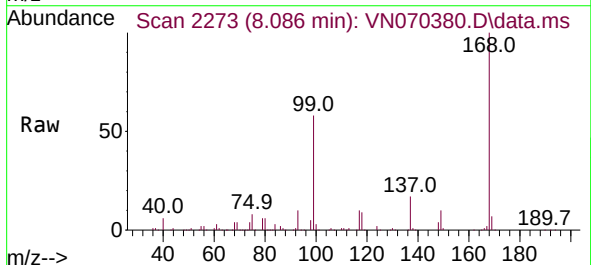


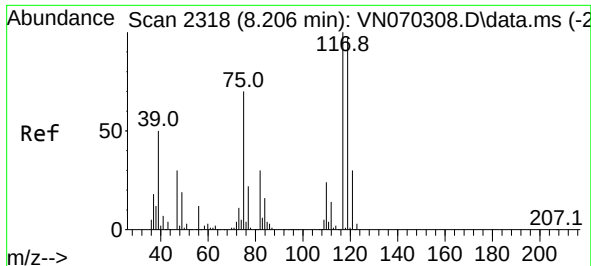
Tgt Ion:113 Resp: 474114
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.2
 192 19.5 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.134 min
 Lab File: VN070380.D
 Acq: 30 Dec 2021 6:18

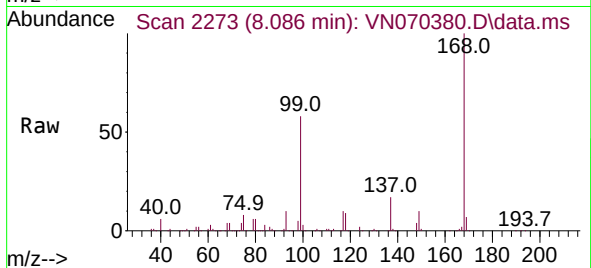
Tgt Ion: 75 Resp: 72919
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.2#
 77 0.0 24.4 36.6#



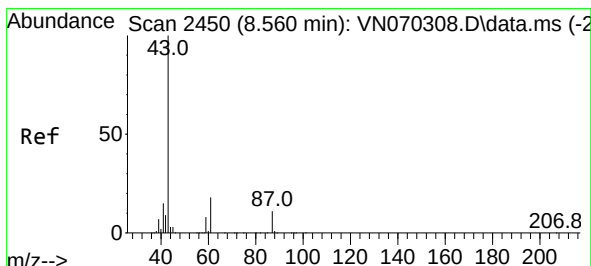
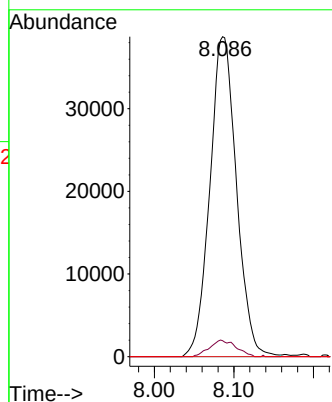
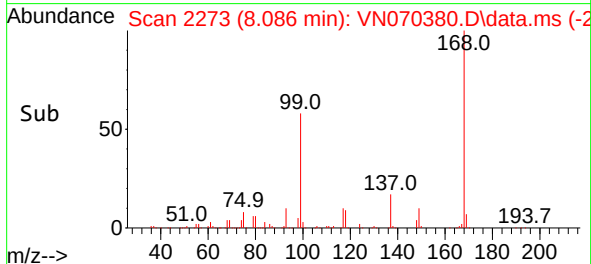


#38
Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

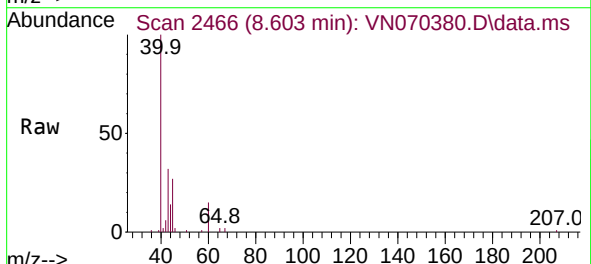
Instrument :
MSVOA_N
ClientSampleId :



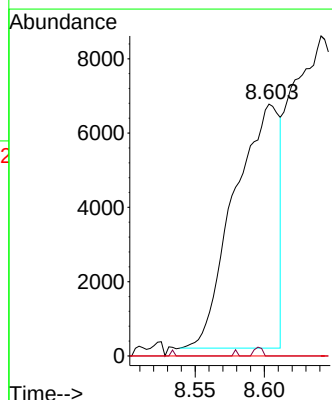
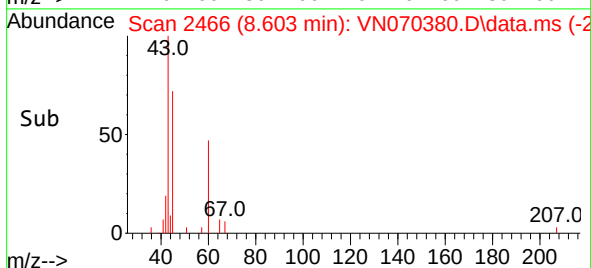
Tgt Ion:117 Resp: 90109
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

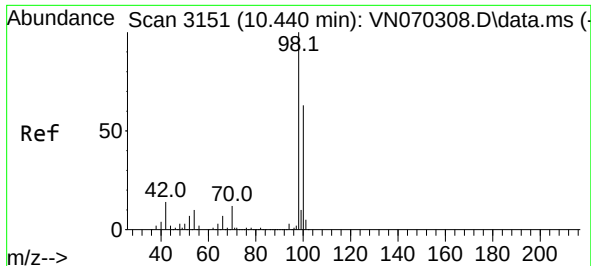


#43
Isopropyl Acetate
Concen: 0.473 ug/l
RT: 8.603 min Scan# 2466
Delta R.T. 0.043 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18



Tgt Ion: 43 Resp: 14903
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

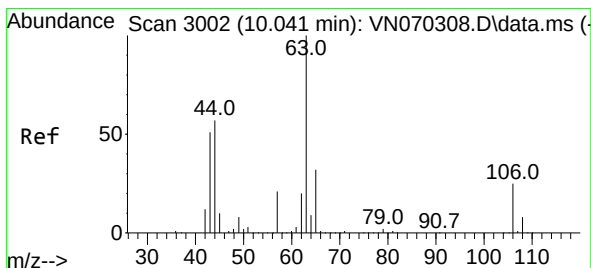
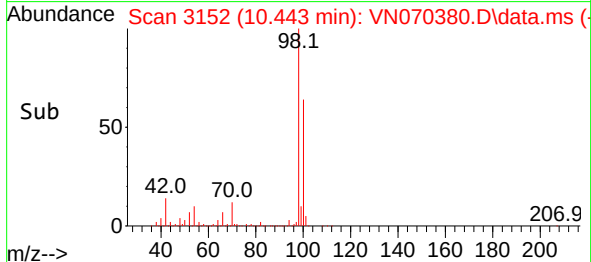
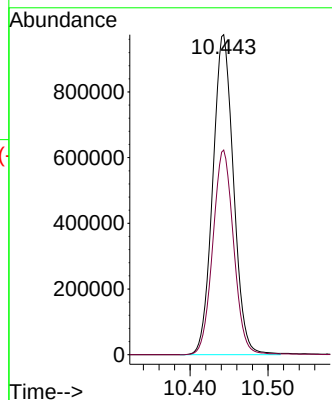
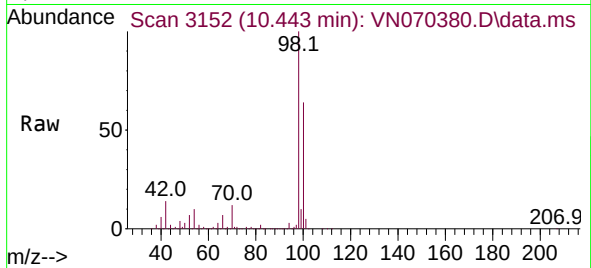




#50
Toluene-d8
Concen: 47.337 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

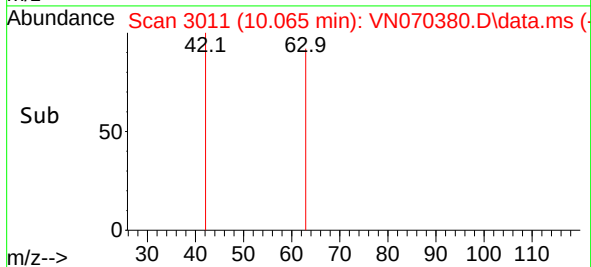
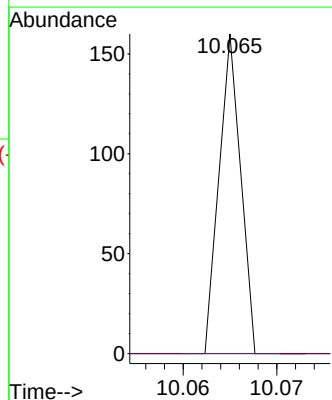
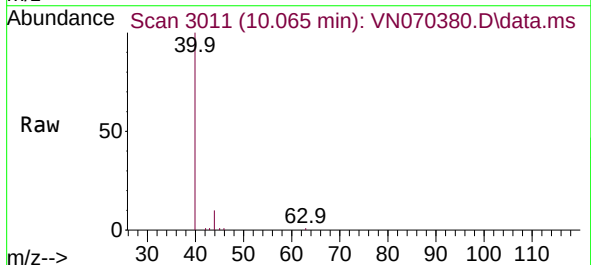
Instrument :
MSVOA_N
ClientSampleId :

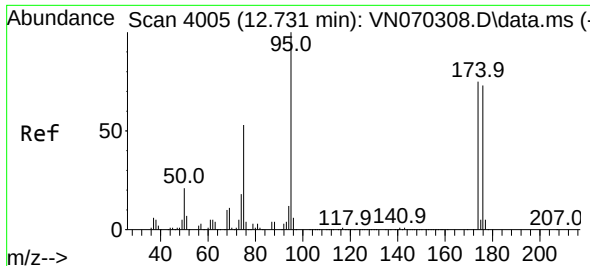
Tgt Ion: 98 Resp: 1801116
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.518 ug/l
RT: 10.065 min Scan# 3011
Delta R.T. 0.024 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

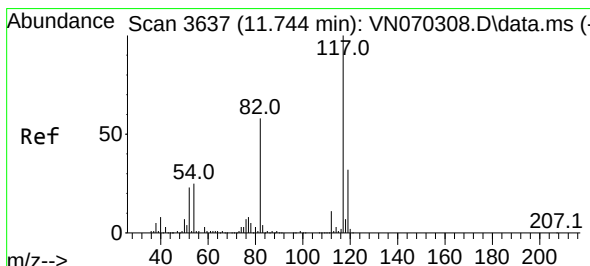
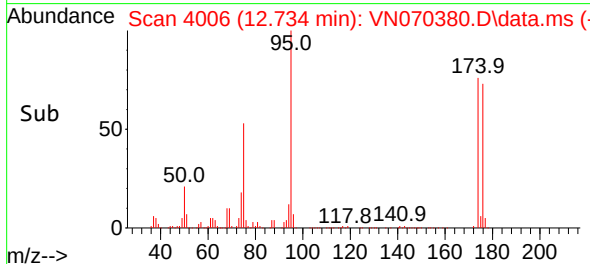
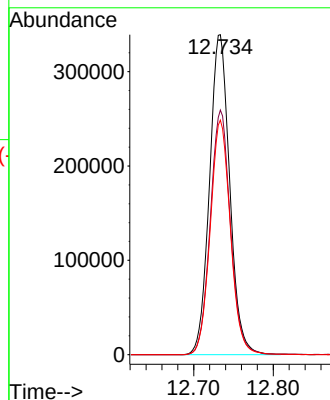
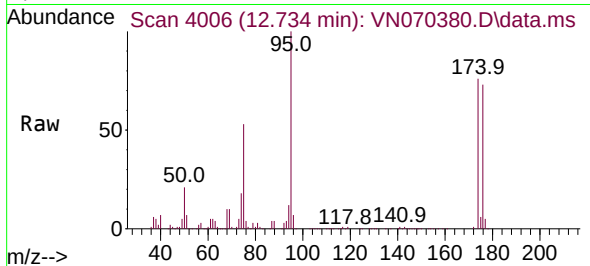




#62
4-Bromofluorobenzene
Concen: 43.572 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

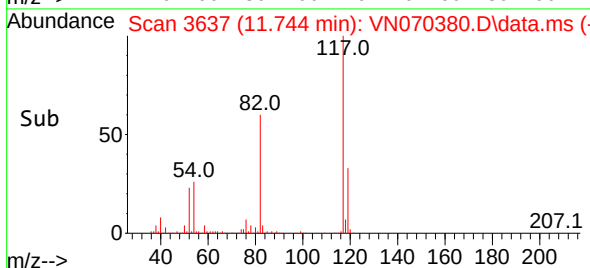
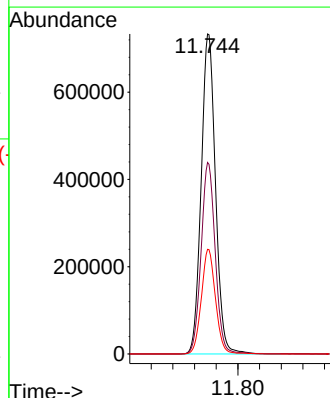
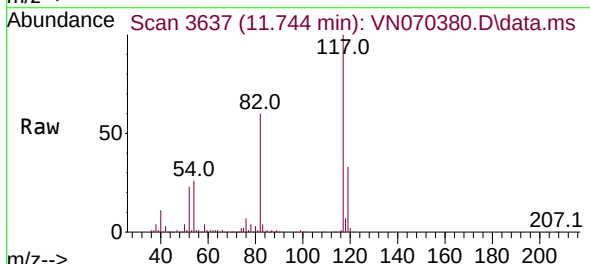
Instrument :
MSVOA_N
ClientSampleId :

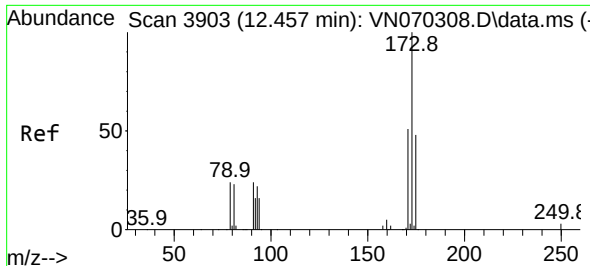
Tgt Ion: 95 Resp: 598781
Ion Ratio Lower Upper
95 100
174 76.6 0.0 187.2
176 73.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

Tgt Ion: 117 Resp: 1346092
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 32.7 25.4 38.2

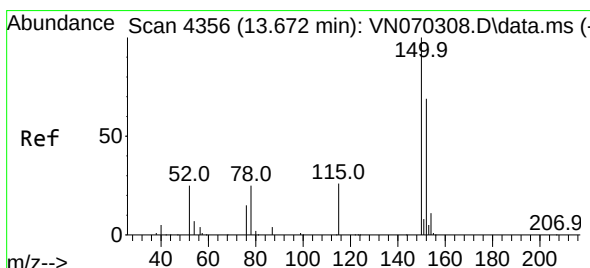
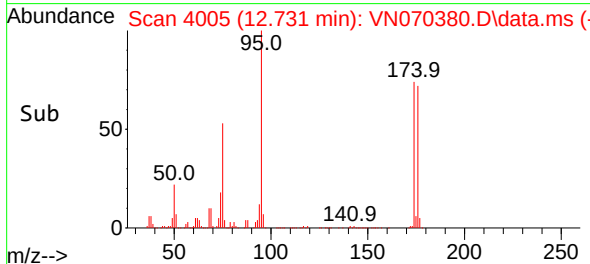
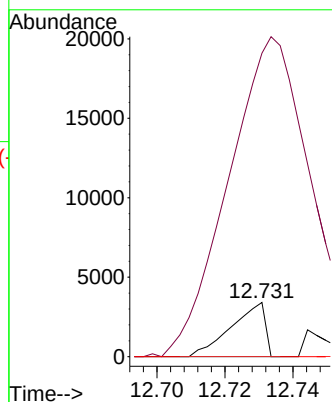
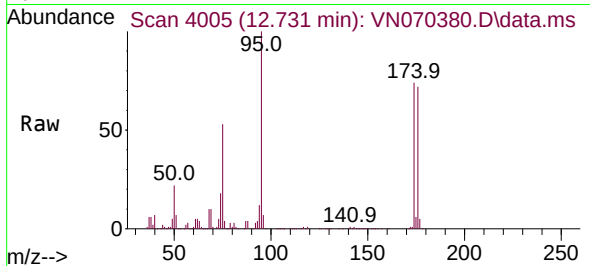




#71
Bromoform
Concen: 0.312 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

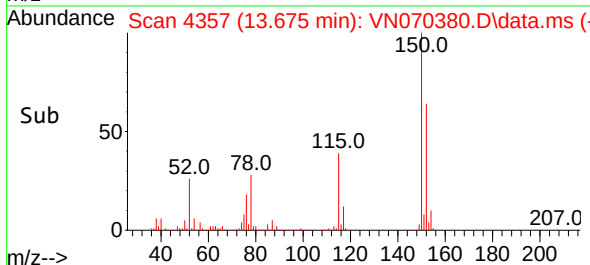
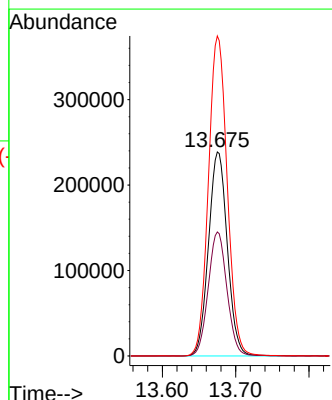
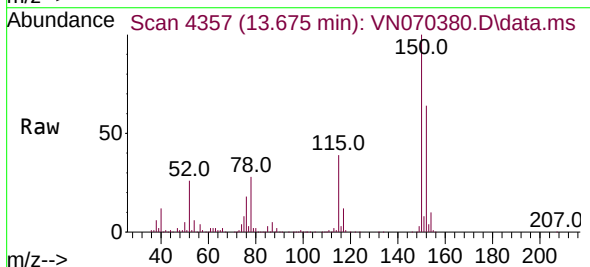
Instrument :
MSVOA_N
ClientSampleId :

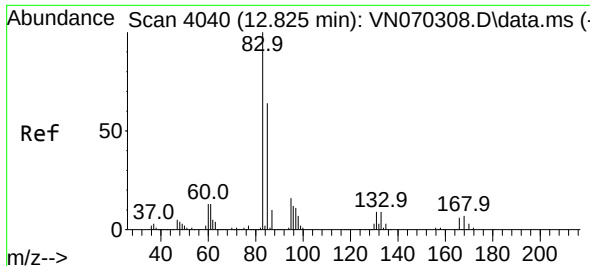
Tgt Ion:173 Resp: 2364
Ion Ratio Lower Upper
173 100
175 1299.3 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

Tgt Ion:152 Resp: 425639
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 156.6 0.0 344.4

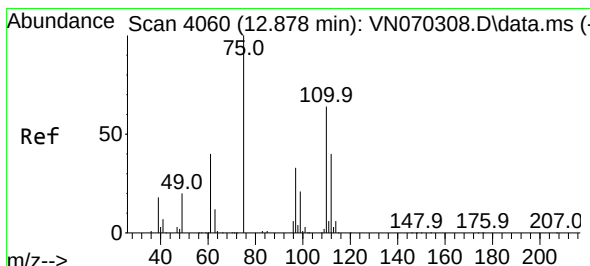
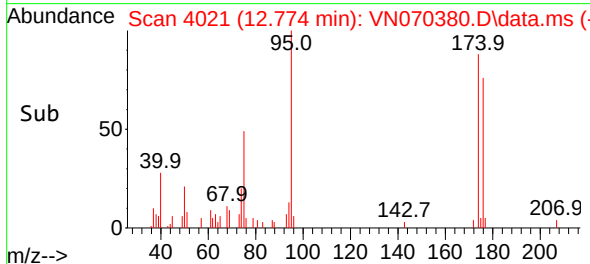
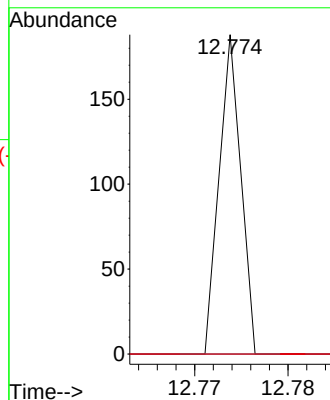
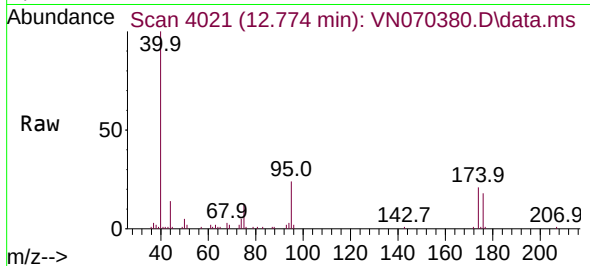




#75
1,1,2,2-Tetrachloroethane
Concen: 0.449 ug/l
RT: 12.774 min Scan# 4005
Delta R.T. -0.051 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

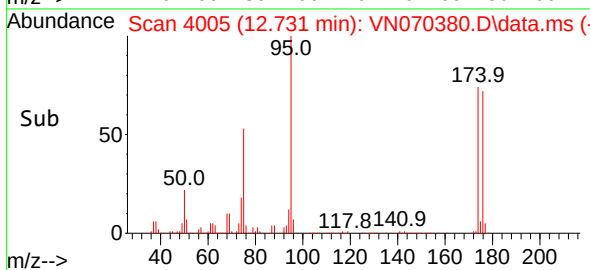
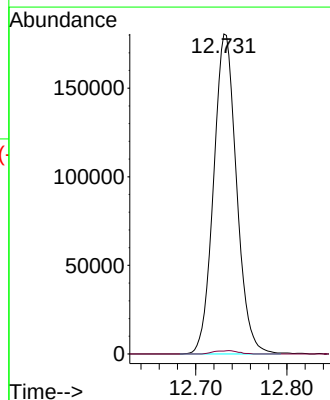
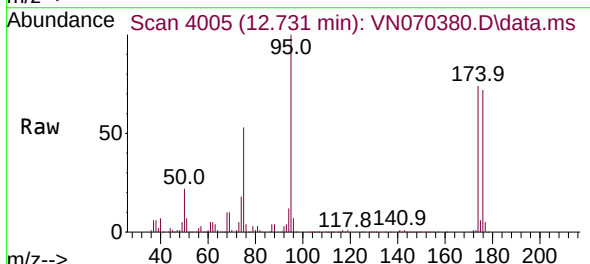
Instrument :
MSVOA_N
ClientSampleId :

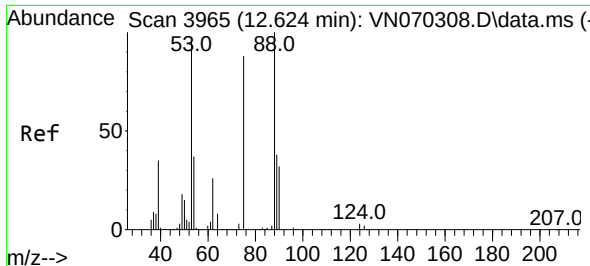
Tgt Ion: 83 Resp: 30
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.457 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

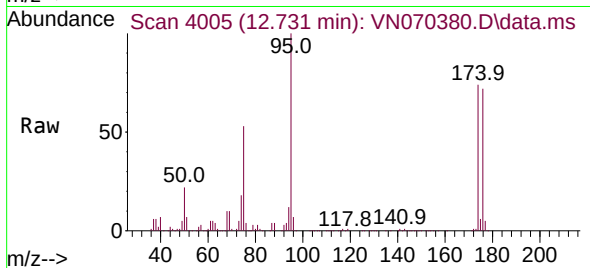
Tgt Ion: 75 Resp: 316231
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



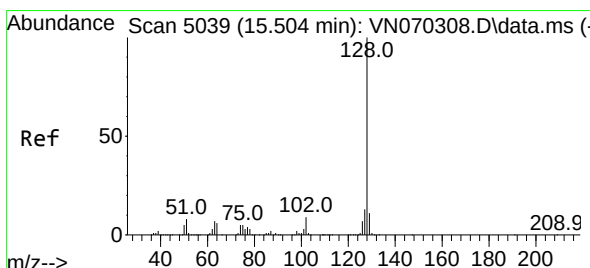
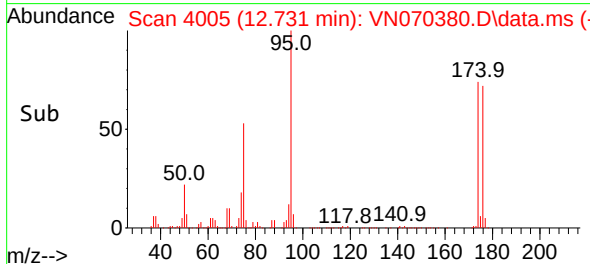
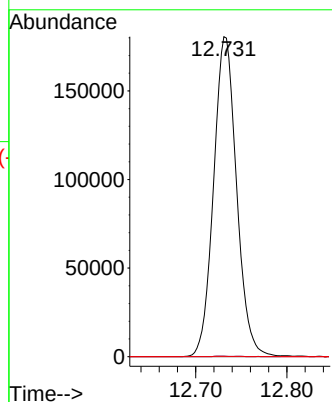


#81
trans-1,4-Dichloro-2-butene
Concen: 90.772 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

Instrument :
MSVOA_N
ClientSampleId :

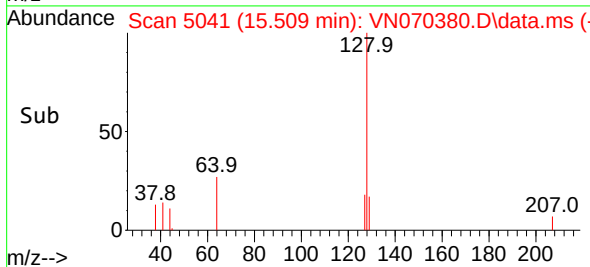
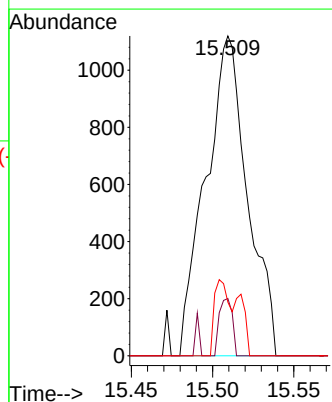
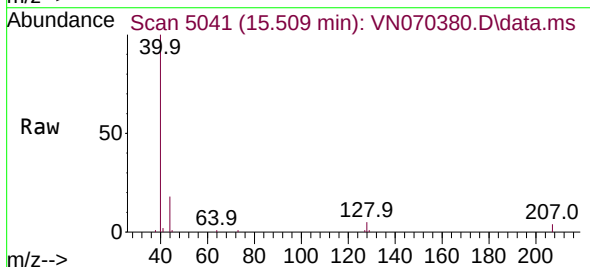


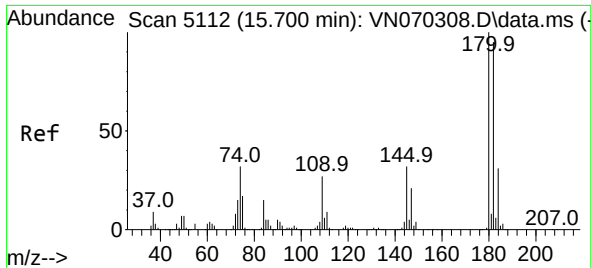
Tgt Ion: 75 Resp: 316231
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.897 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070380.D
Acq: 30 Dec 2021 6:18

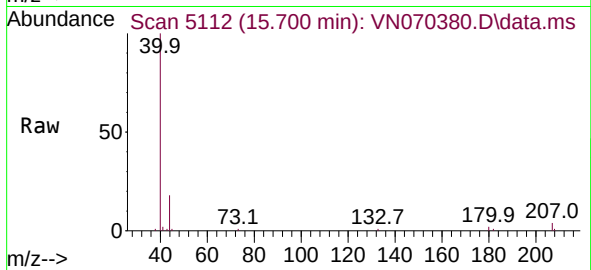
Tgt Ion: 128 Resp: 2005
Ion Ratio Lower Upper
128 100
127 5.6 10.5 15.7#
129 8.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.894 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070380.D
 Acq: 30 Dec 2021 6:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 462
 Ion Ratio Lower Upper
 180 100
 182 81.8 47.4 142.2
 145 0.0 15.0 45.1#

