

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070377.D
 Acq On : 30 Dec 2021 5:02
 Operator : JC/MD
 Sample : M5007-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 07:18:22 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)

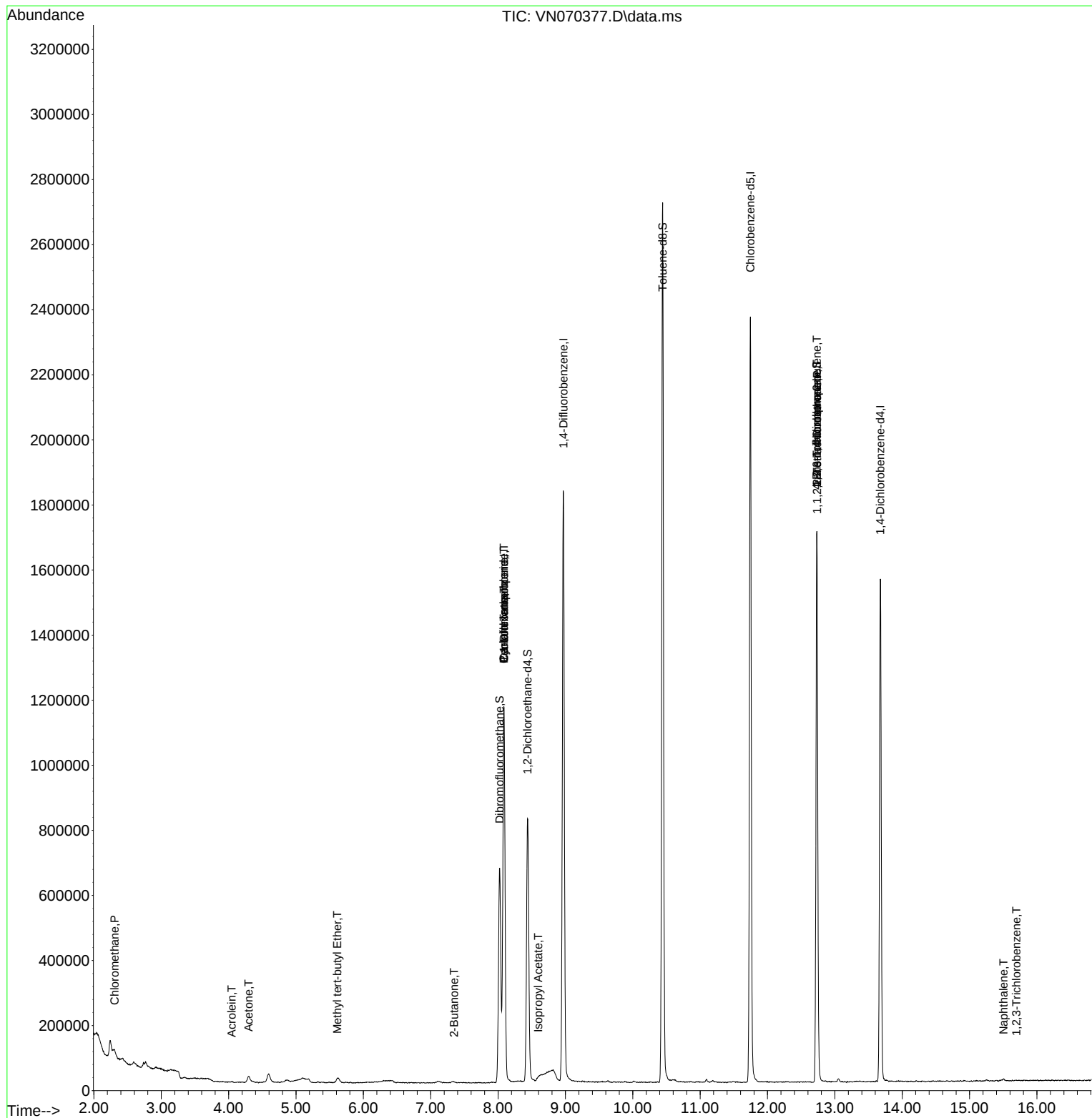
Internal Standards						
1) Pentafluorobenzene	8.088	168	877782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1550758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1347820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	430736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	689512	54.633	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 109.260%		
35) Dibromofluoromethane	8.024	113	493994	52.649	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 105.300%		
50) Toluene-d8	10.443	98	1855457	48.408	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 96.820%		
62) 4-Bromofluorobenzene	12.731	95	619305	44.735	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 89.460%		
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	3105	0.229	ug/l	97
13) Acrolein	4.044	56	850	0.499	ug/l	100
16) Acetone	4.296	43	28869	3.524	ug/l	94
19) Methyl tert-butyl Ether	5.613	73	10228	0.308	ug/l	92
25) 2-Butanone	7.348	43	2633	0.255	ug/l #	74
31) Cyclohexane	8.088	56	20740	1.041	ug/l #	25
36) 1,1-Dichloropropene	8.086	75	71675	4.618	ug/l #	49
38) Carbon Tetrachloride	8.086	117	87055	5.874	ug/l #	18
43) Isopropyl Acetate	8.598	43	9388	0.296	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.736	83	746	0.498	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	326883	26.966	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	326883	92.719	ug/l #	5
95) Naphthalene	15.504	128	1825	1.887	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.694	180	473	0.895	ug/l	69

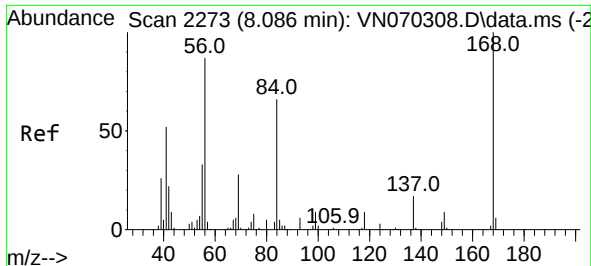
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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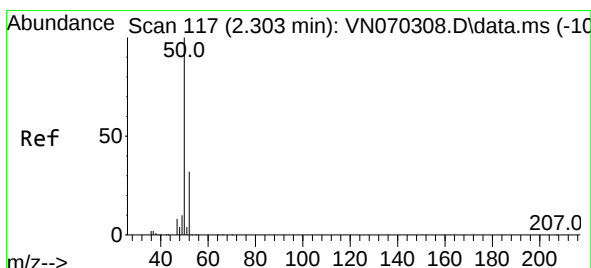
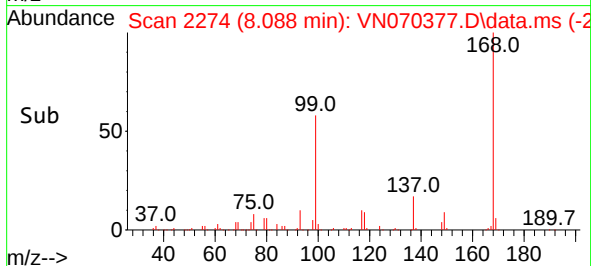
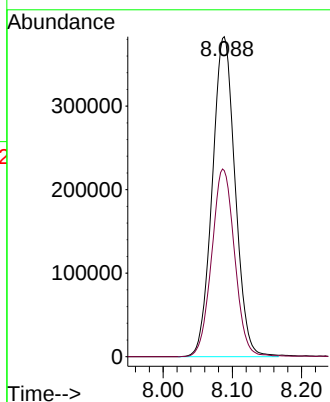
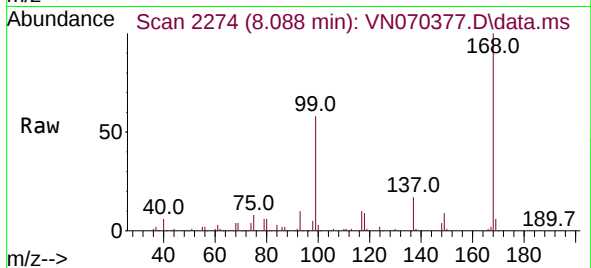




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

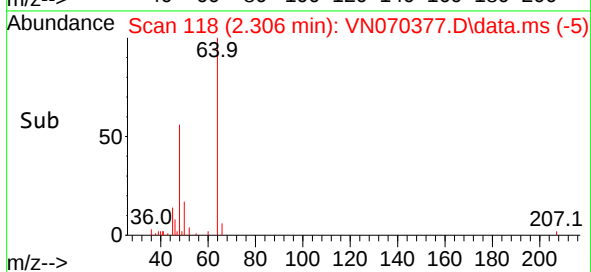
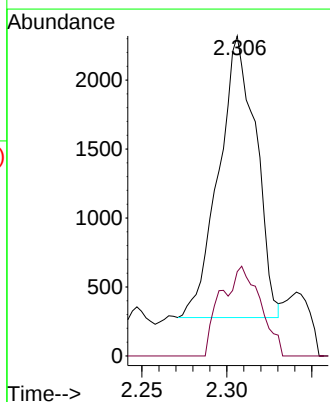
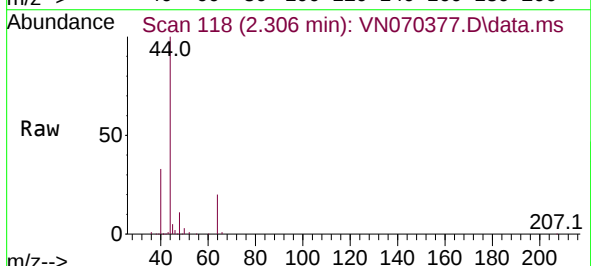
Instrument :
MSVOA_N
ClientSampleId :

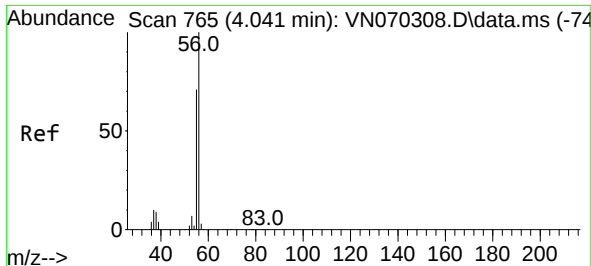
Tgt Ion:168 Resp: 877782
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#3
Chloromethane
Concen: 0.229 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

Tgt Ion: 50 Resp: 3105
Ion Ratio Lower Upper
50 100
52 29.9 25.4 38.0

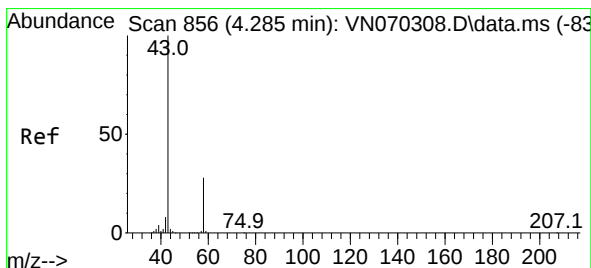
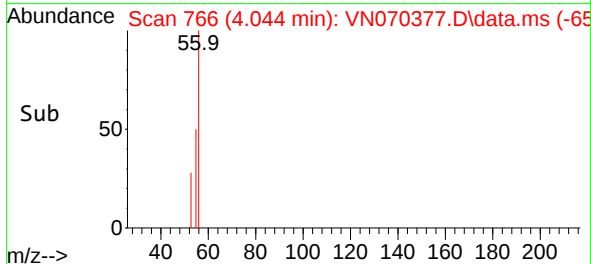
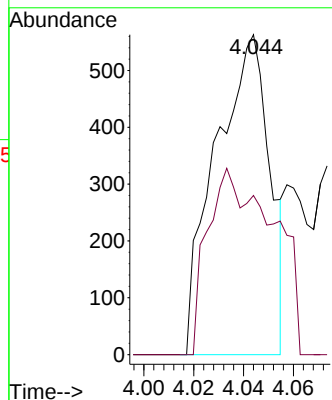
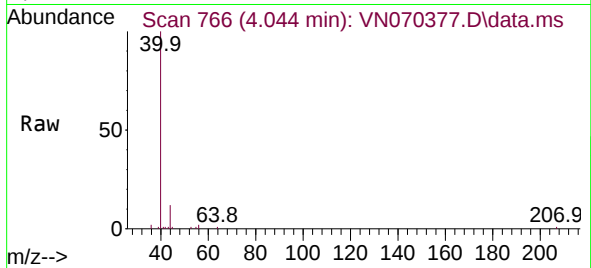




#13
Acrolein
Concen: 0.499 ug/l
RT: 4.044 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

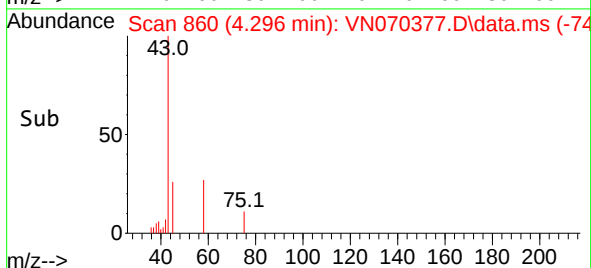
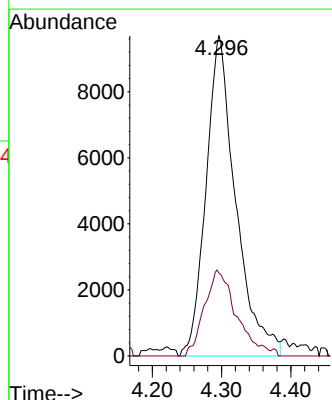
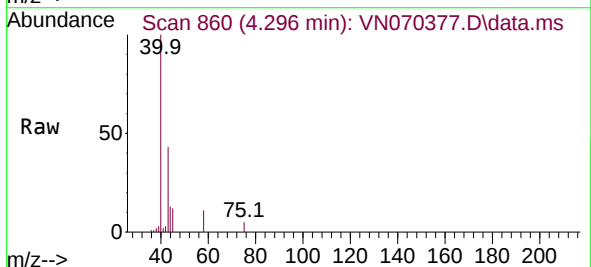
Instrument :
MSVOA_N
ClientSampleId :

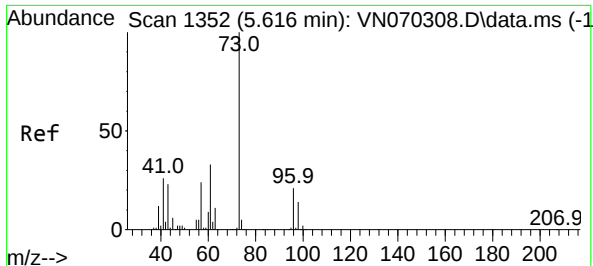
Tgt Ion: 56 Resp: 850
Ion Ratio Lower Upper
56 100
55 70.7 56.6 85.0



#16
Acetone
Concen: 3.524 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

Tgt Ion: 43 Resp: 28869
Ion Ratio Lower Upper
43 100
58 25.9 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 0.308 ug/l

RT: 5.613 min Scan# 11

Delta R.T. -0.003 min

Lab File: VN070377.D

Acq: 30 Dec 2021 5:02

Instrument :

MSVOA_N

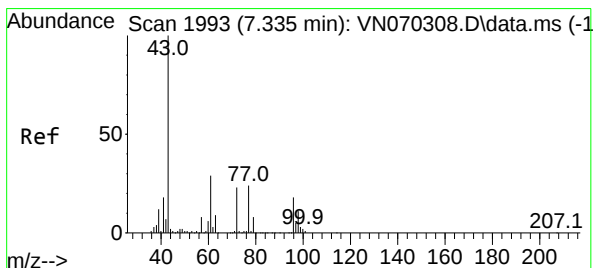
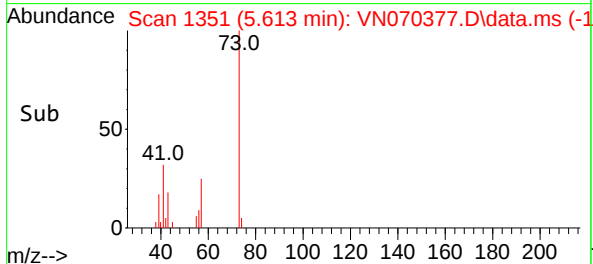
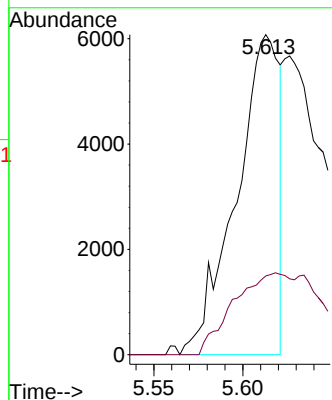
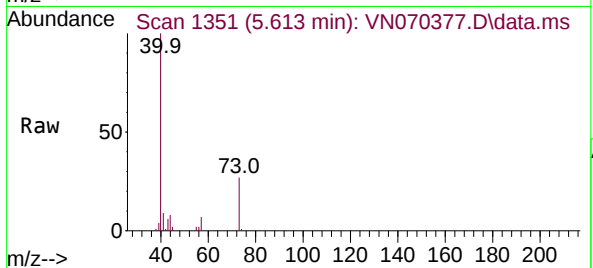
ClientSampleId :

Tgt Ion: 73 Resp: 10228

Ion Ratio Lower Upper

73 100

57 24.6 16.8 25.2



#25

2-Butanone

Concen: 0.255 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.013 min

Lab File: VN070377.D

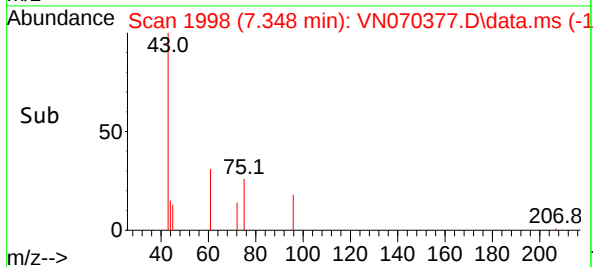
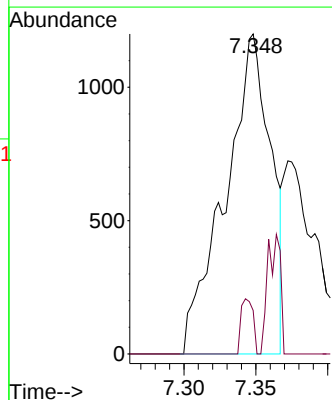
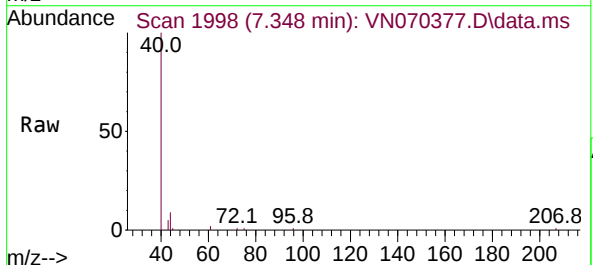
Acq: 30 Dec 2021 5:02

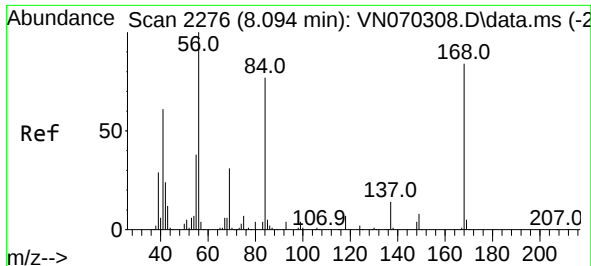
Tgt Ion: 43 Resp: 2633

Ion Ratio Lower Upper

43 100

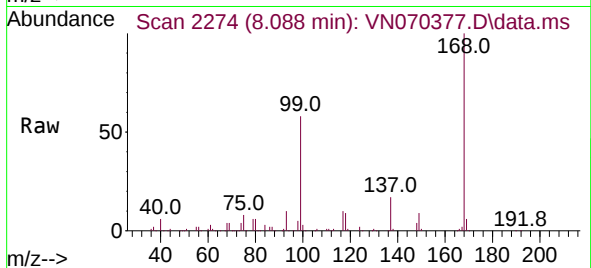
72 13.6 21.7 32.5#



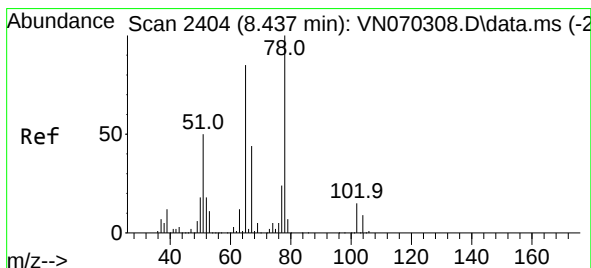
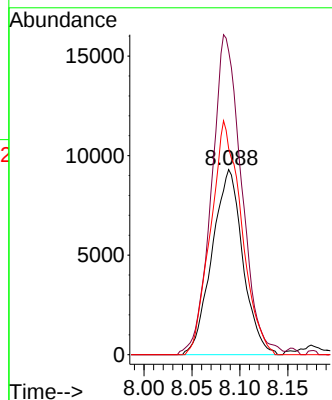
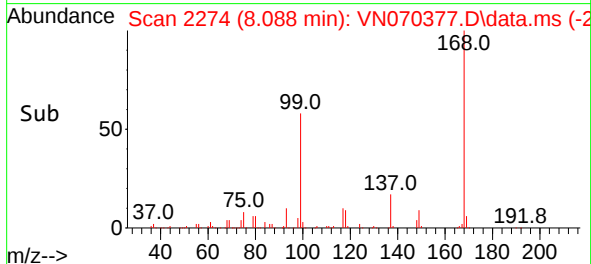


#31
Cyclohexane
Concen: 1.041 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

Instrument :
MSVOA_N
ClientSampleId :

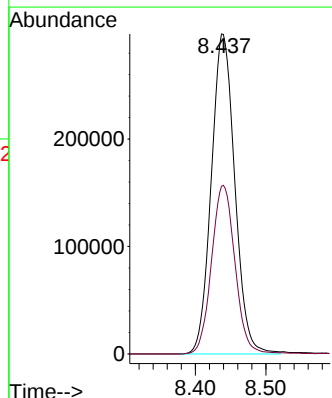
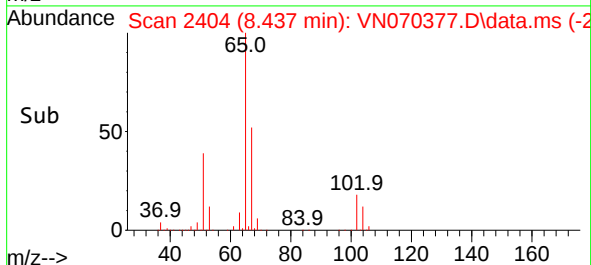
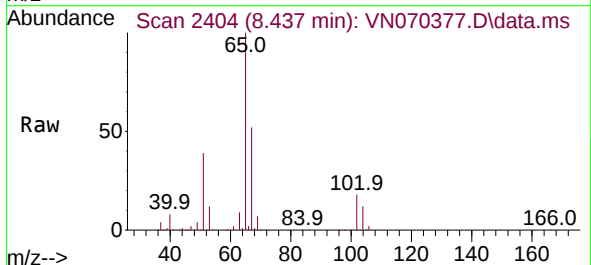


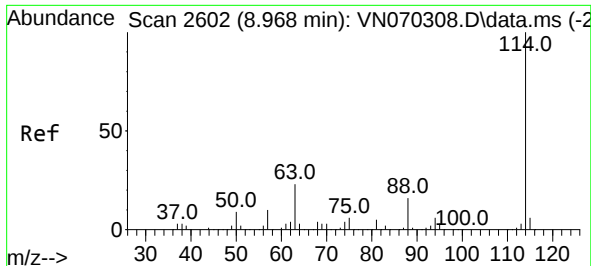
Tgt Ion: 56 Resp: 20740
Ion Ratio Lower Upper
56 100
69 162.1 27.1 40.7#
84 111.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.633 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

Tgt Ion: 65 Resp: 689512
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070377.D

Acq: 30 Dec 2021 5:02

Instrument :

MSVOA_N

ClientSampleId :

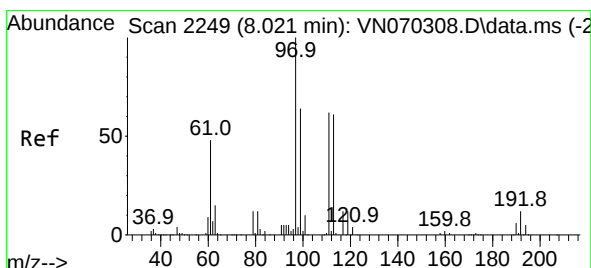
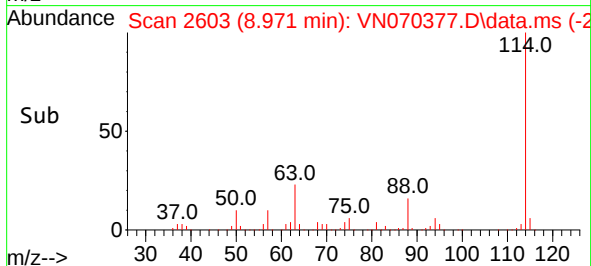
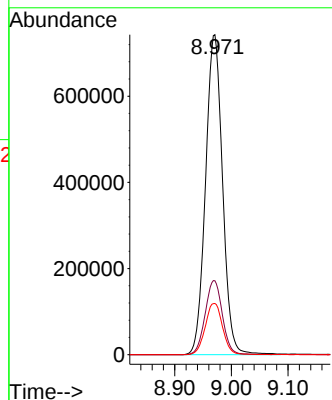
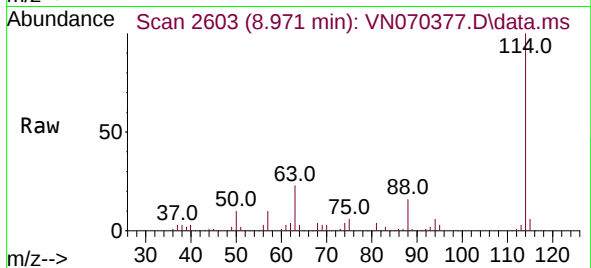
Tgt Ion:114 Resp: 1550758

Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 52.649 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN070377.D

Acq: 30 Dec 2021 5:02

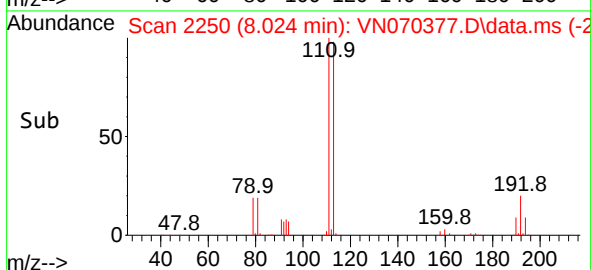
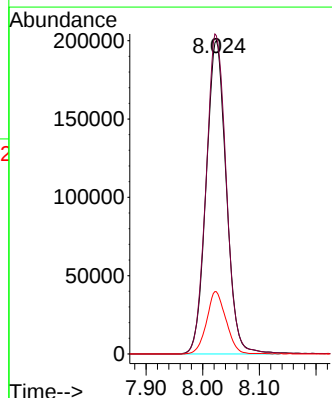
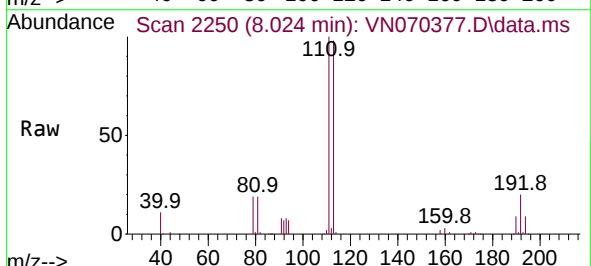
Tgt Ion:113 Resp: 493994

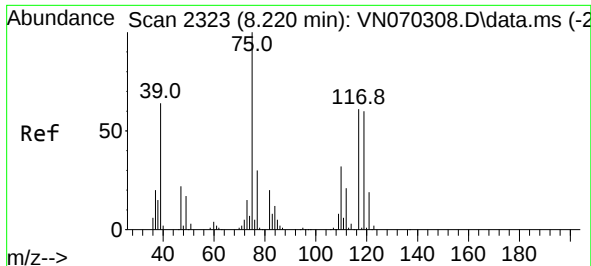
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

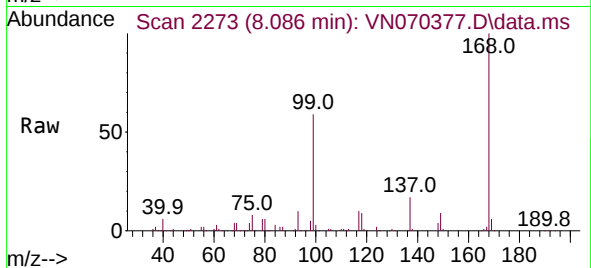
192 19.1 16.9 25.3



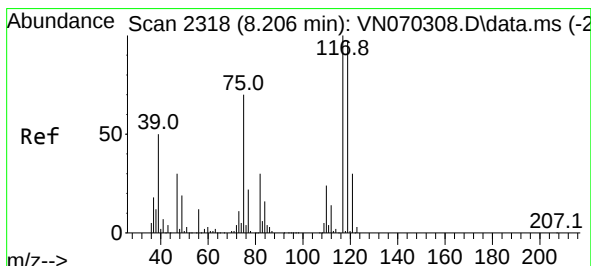
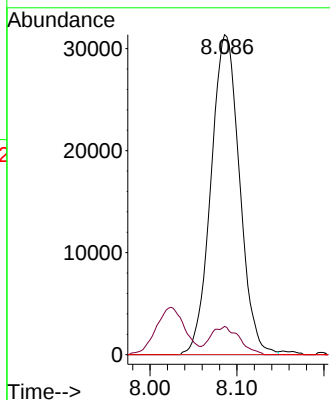
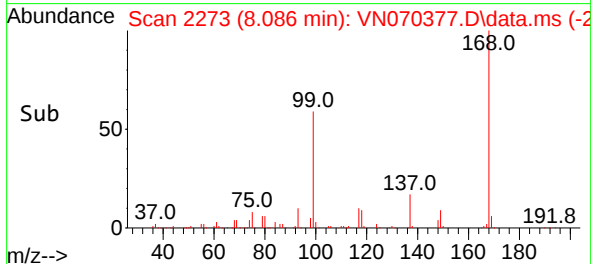


#36
1,1-Dichloropropene
Concen: 4.618 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

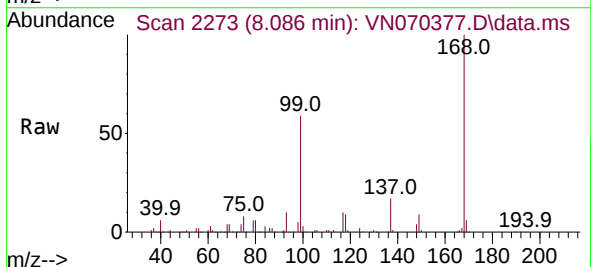
Instrument :
MSVOA_N
ClientSampleId :



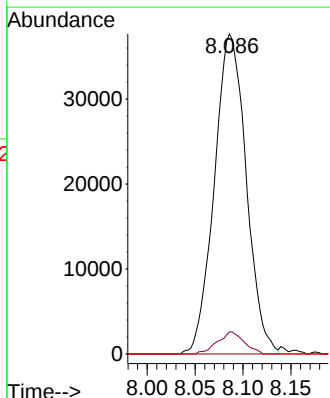
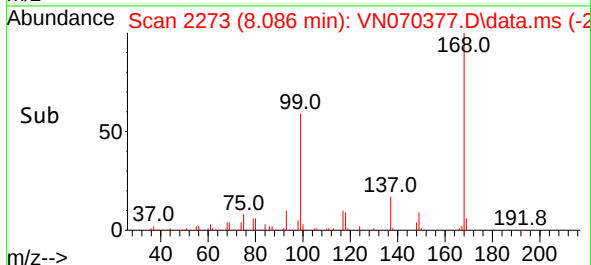
Tgt Ion: 75 Resp: 71675
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#

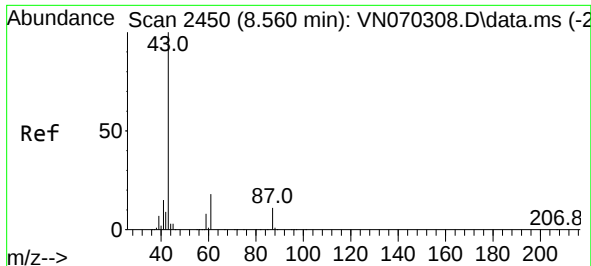


#38
Carbon Tetrachloride
Concen: 5.874 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02



Tgt Ion: 117 Resp: 87055
Ion Ratio Lower Upper
117 100
119 6.9 76.1 114.1#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 0.296 ug/l

RT: 8.598 min Scan# 2450

Delta R.T. 0.038 min

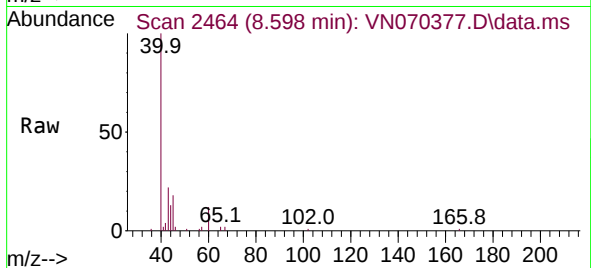
Lab File: VN070377.D

Acq: 30 Dec 2021 5:02

Instrument :

MSVOA_N

ClientSampleId :



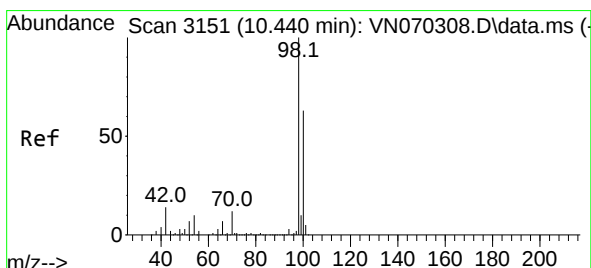
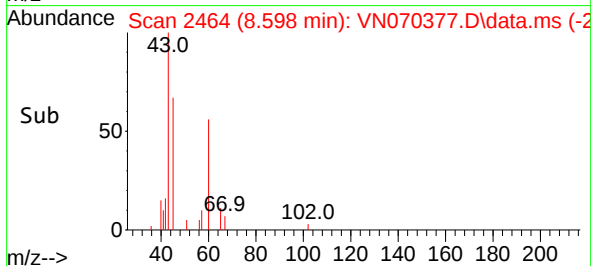
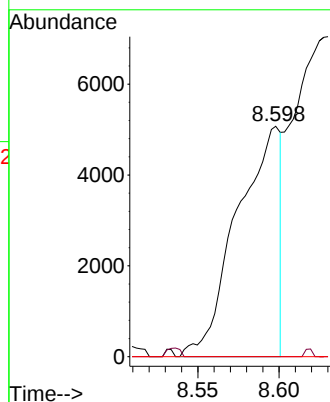
Tgt Ion: 43 Resp: 9388

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 11.2 16.8#



#50

Toluene-d8

Concen: 48.408 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VN070377.D

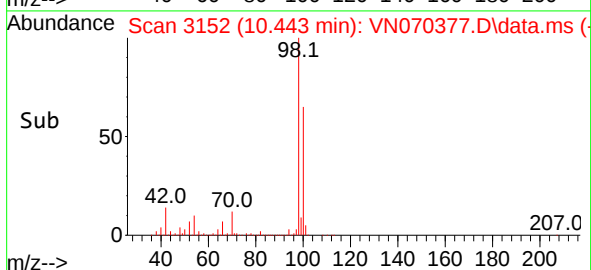
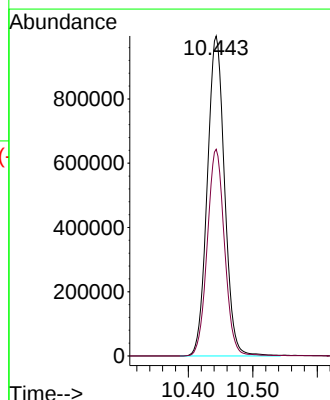
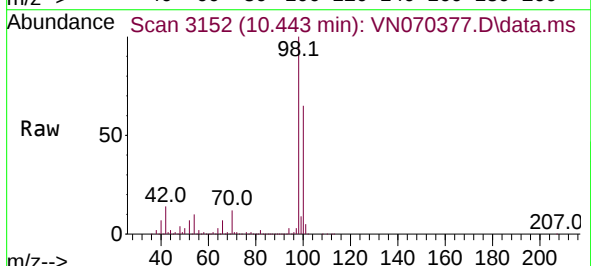
Acq: 30 Dec 2021 5:02

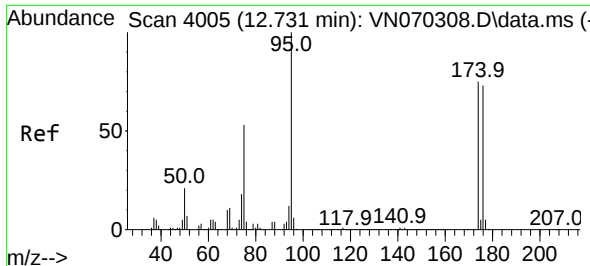
Tgt Ion: 98 Resp: 1855457

Ion Ratio Lower Upper

98 100

100 64.6 50.4 75.6

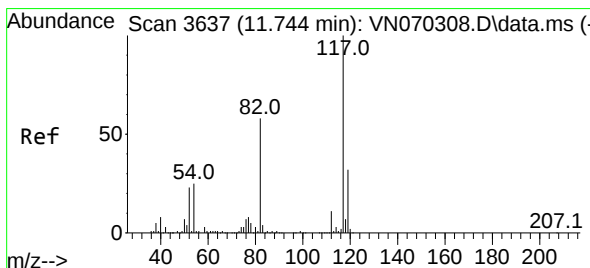
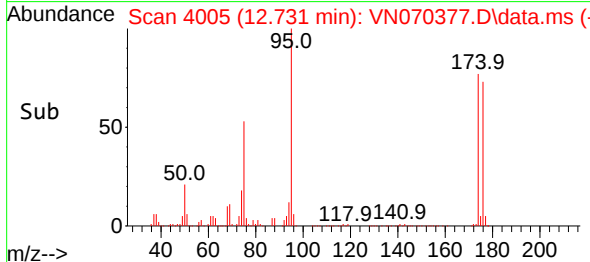
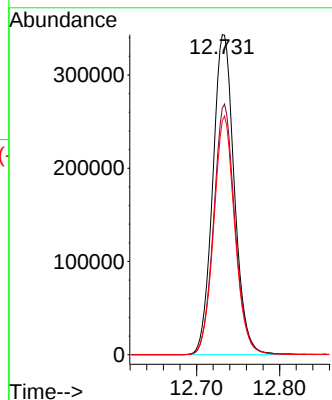
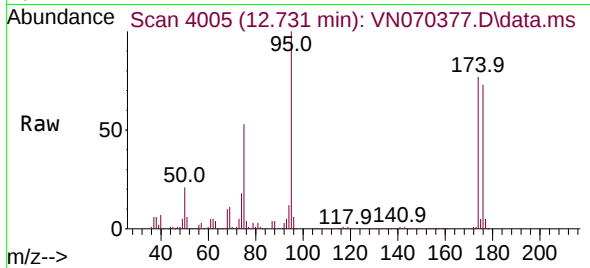




#62
4-Bromofluorobenzene
Concen: 44.735 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

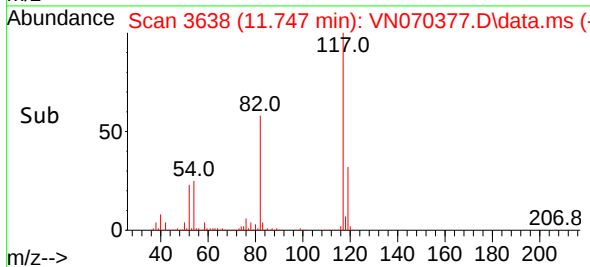
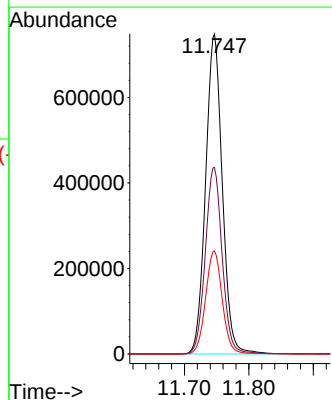
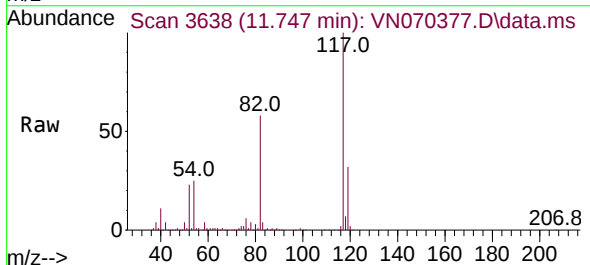
Instrument :
MSVOA_N
ClientSampleId :

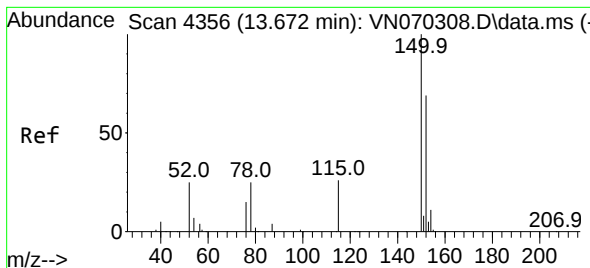
Tgt Ion: 95 Resp: 619305
Ion Ratio Lower Upper
95 100
174 77.4 0.0 187.2
176 73.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

Tgt Ion: 117 Resp: 1347820
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 32.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 41

Delta R.T. 0.003 min

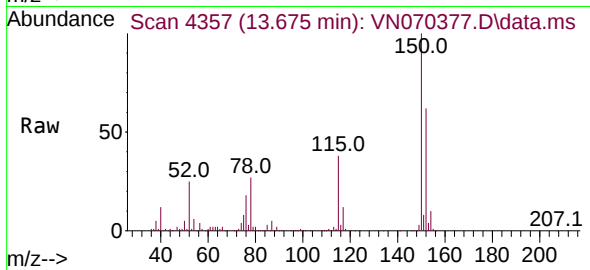
Lab File: VN070377.D

Acq: 30 Dec 2021 5:02

Instrument :

MSVOA_N

ClientSampleId :



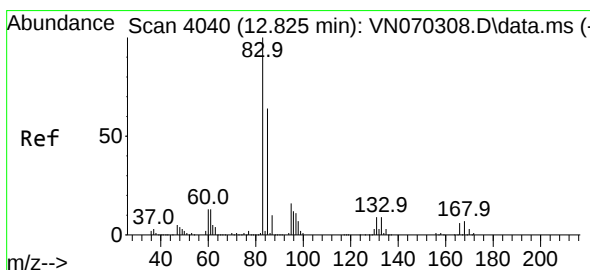
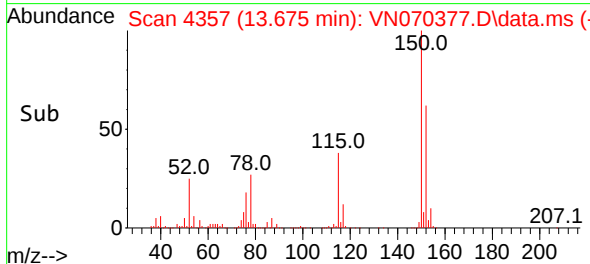
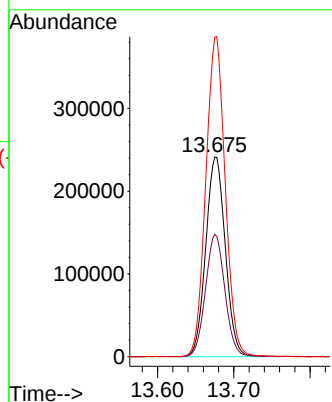
Tgt Ion:152 Resp: 430736

Ion Ratio Lower Upper

152 100

115 60.5 27.5 82.5

150 158.5 0.0 344.4



#75

1,1,2,2-Tetrachloroethane

Concen: 0.498 ug/l

RT: 12.736 min Scan# 4007

Delta R.T. -0.089 min

Lab File: VN070377.D

Acq: 30 Dec 2021 5:02

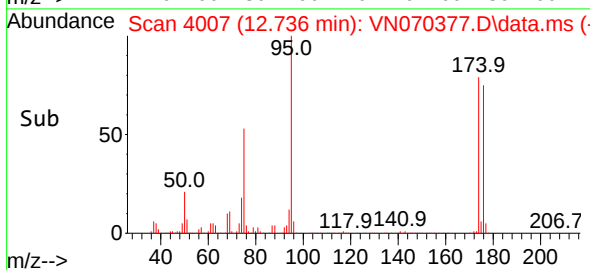
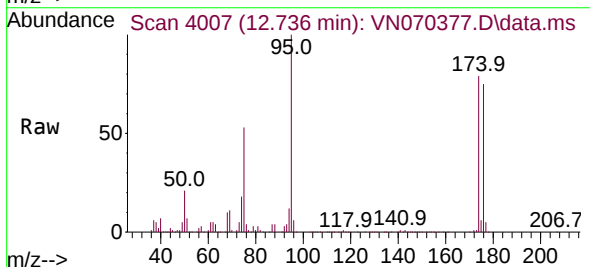
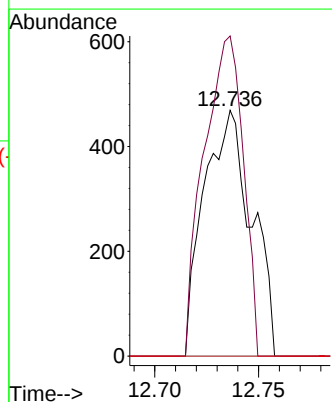
Tgt Ion: 83 Resp: 746

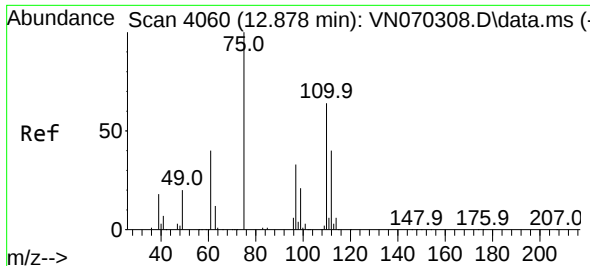
Ion Ratio Lower Upper

83 100

131 108.0 5.5 16.5#

85 0.0 32.4 97.2#

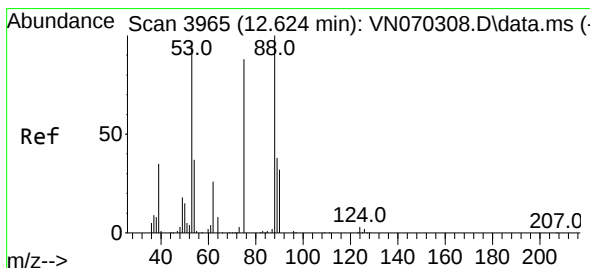
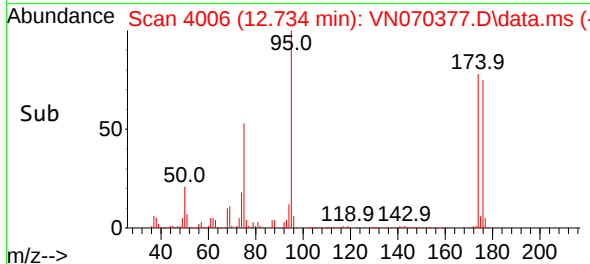
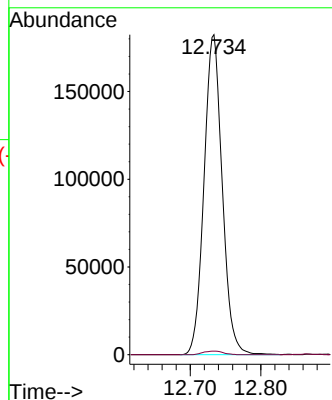
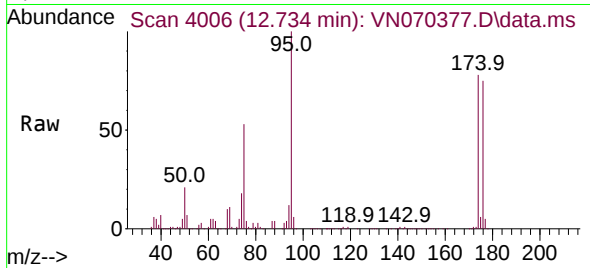




#76
1,2,3-Trichloropropane
Concen: 26.966 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.144 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

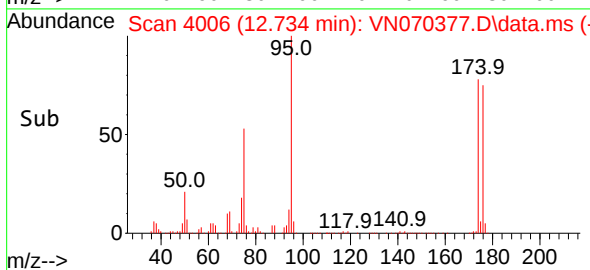
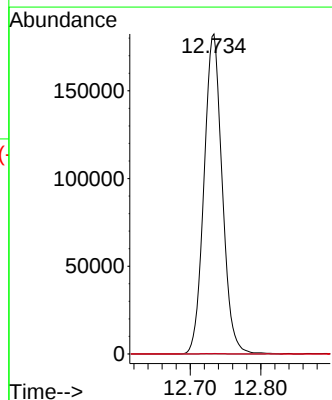
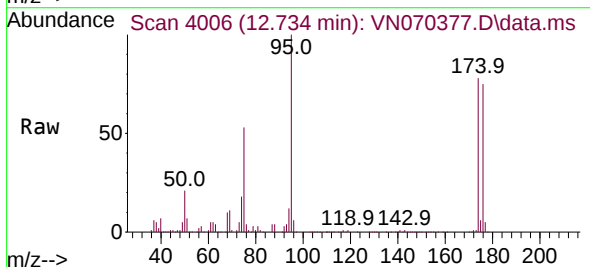
Instrument :
MSVOA_N
ClientSampleId :

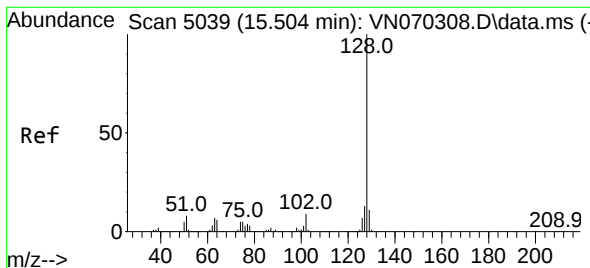
Tgt Ion: 75 Resp: 326883
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.719 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.110 min
Lab File: VN070377.D
Acq: 30 Dec 2021 5:02

Tgt Ion: 75 Resp: 326883
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 1.887 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. 0.000 min

Lab File: VN070377.D

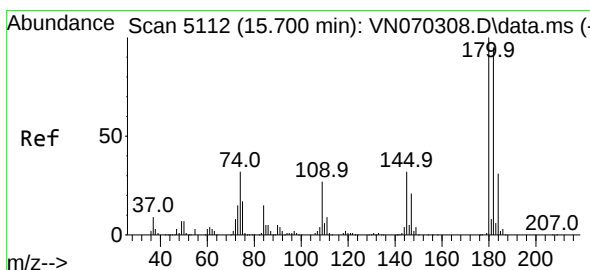
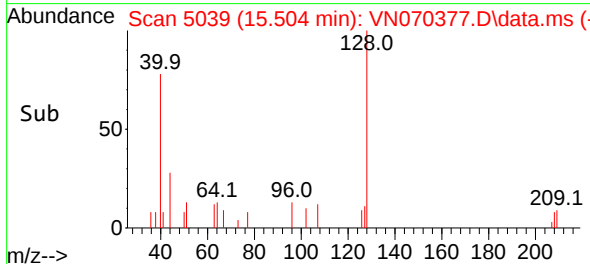
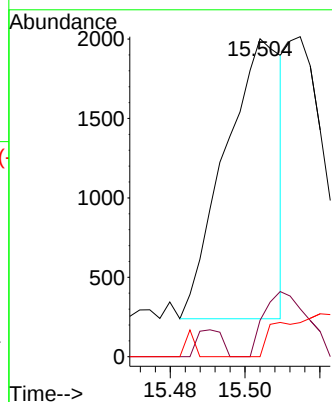
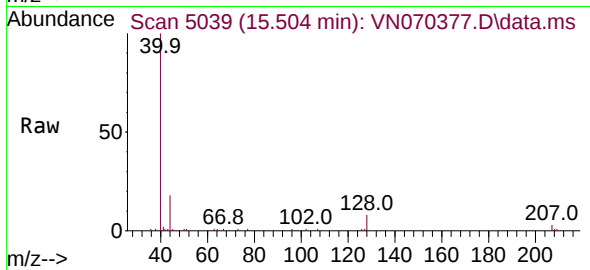
Acq: 30 Dec 2021 5:02

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	1825
Ion Ratio	Lower	Upper	
128	100		
127	18.1	10.5	15.7#
129	16.0	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.895 ug/l

RT: 15.694 min Scan# 5110

Delta R.T. -0.006 min

Lab File: VN070377.D

Acq: 30 Dec 2021 5:02

Tgt Ion:	180	Resp:	473
Ion Ratio	Lower	Upper	
180	100		
182	64.3	47.4	142.2
145	45.0	15.0	45.1

