

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070360.D
 Acq On : 29 Dec 2021 20:06
 Operator : JC/MD
 Sample : M5092-06
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 01:52:39 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)

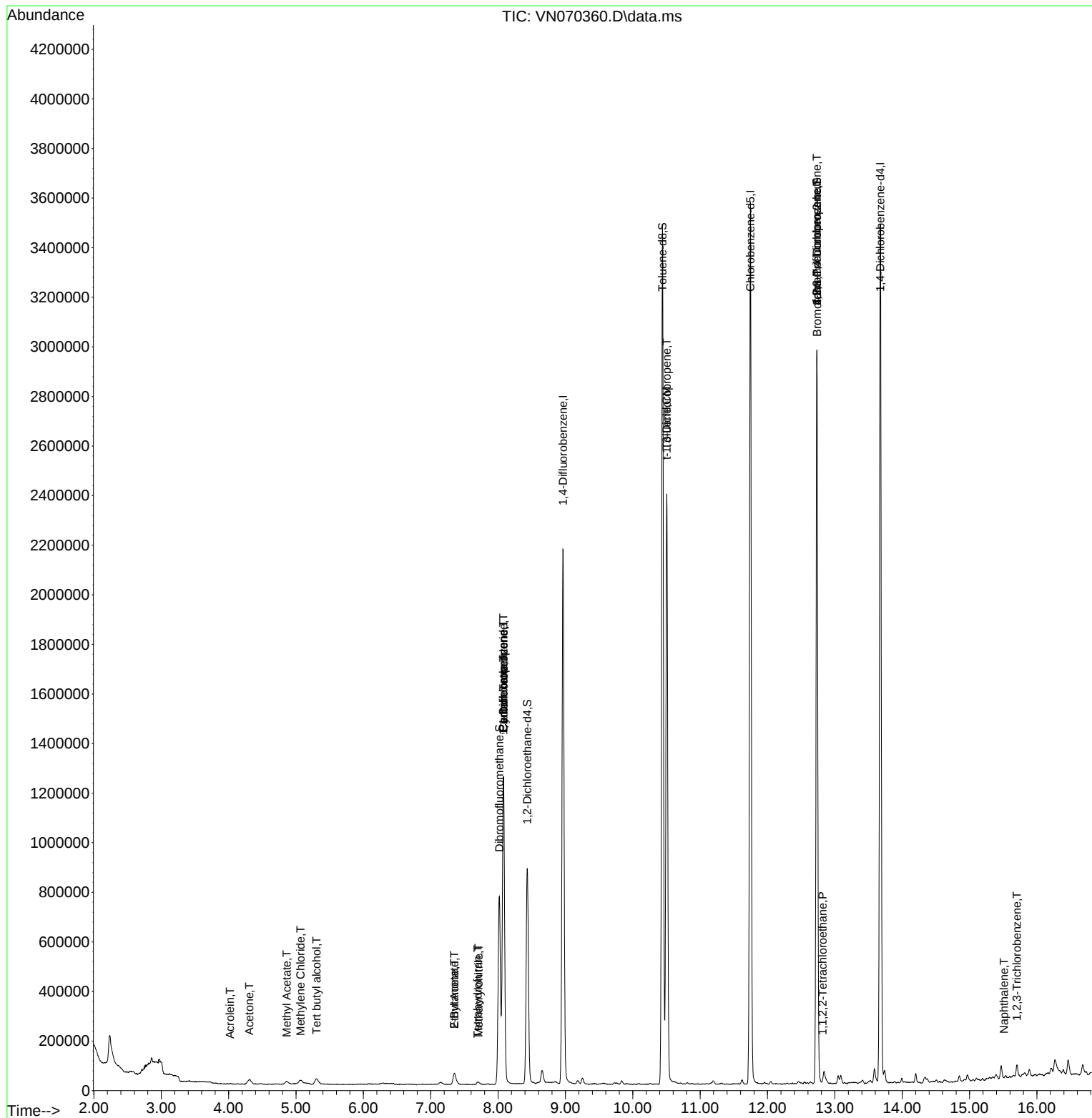
Internal Standards						
1) Pentafluorobenzene	8.080	168	965625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1872042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2013207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	931809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	742860	53.505	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.020%	
35) Dibromofluoromethane	8.018	113	568839	50.221	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.440%	
50) Toluene-d8	10.440	98	2375556	51.340	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.680%	
62) 4-Bromofluorobenzene	12.733	95	1020876	61.086	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 122.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.304	59	24311	10.516	ug/l #	72
13) Acrolein	4.020	56	529	0.282	ug/l #	44
16) Acetone	4.307	43	28839	3.200	ug/l #	89
18) Methyl Acetate	4.862	43	23197	0.890	ug/l #	54
20) Methylene Chloride	5.066	84	6606	0.530	ug/l #	86
25) 2-Butanone	7.351	43	90019	7.932	ug/l	90
29) Tetrahydrofuran	7.697	42	3733	0.551	ug/l #	61
31) Cyclohexane	8.080	56	21978	1.003	ug/l #	25
36) 1,1-Dichloropropene	8.077	75	79595	4.248	ug/l #	48
37) Ethyl Acetate	7.351	43	90019	3.706	ug/l #	68
38) Carbon Tetrachloride	8.080	117	94312	5.271	ug/l #	16
41) Methacrylonitrile	7.710	41	5651	0.465	ug/l #	37
52) Toluene	10.505	92	1023355	29.431	ug/l	98
53) t-1,3-Dichloropropene	10.502	75	12303	0.595	ug/l #	1
71) Bromoform	12.736	173	7278	0.643	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.817	83	50	0.449	ug/l #	25
76) 1,2,3-Trichloropropane	12.733	75	541121	21.277	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	541121	70.951	ug/l #	5
95) Naphthalene	15.509	128	2852	1.862	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.702	180	757	0.877	ug/l #	21

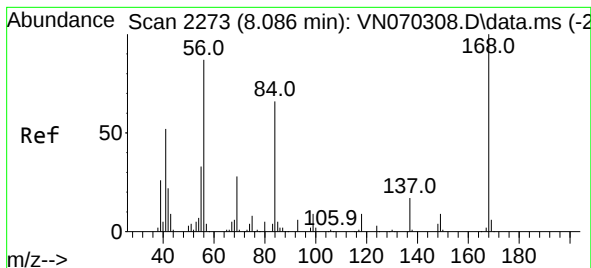
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.080 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN070360.D

Acq: 29 Dec 2021 20:06

Instrument :

MSVOA_N

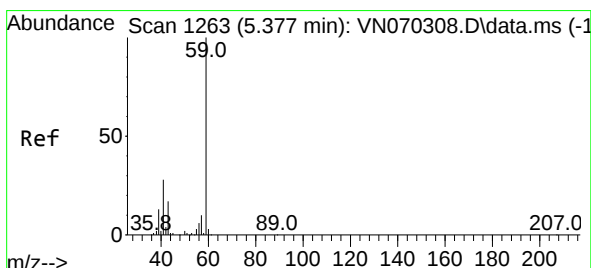
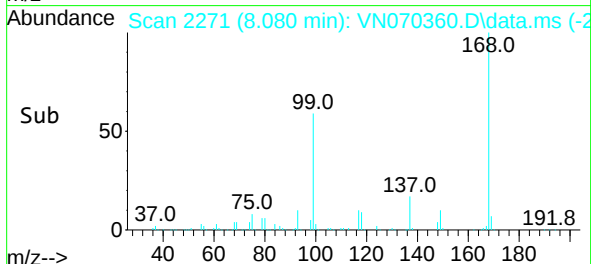
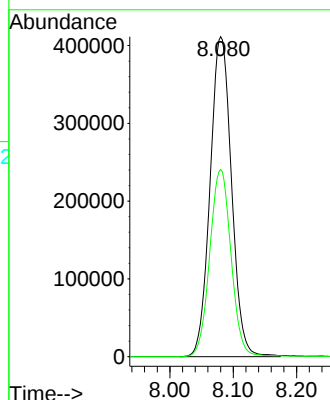
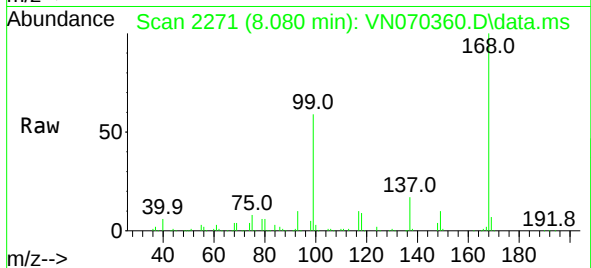
ClientSampleId :

Tgt Ion:168 Resp: 965625

Ion Ratio Lower Upper

168 100

99 58.5 41.3 61.9



#11

Tert butyl alcohol

Concen: 10.516 ug/l

RT: 5.304 min Scan# 1236

Delta R.T. -0.073 min

Lab File: VN070360.D

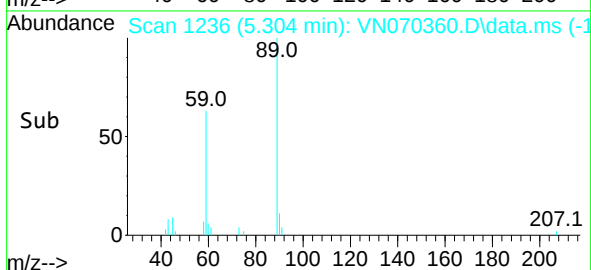
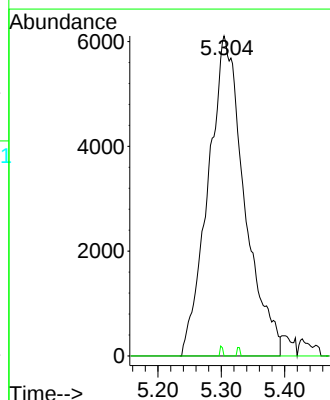
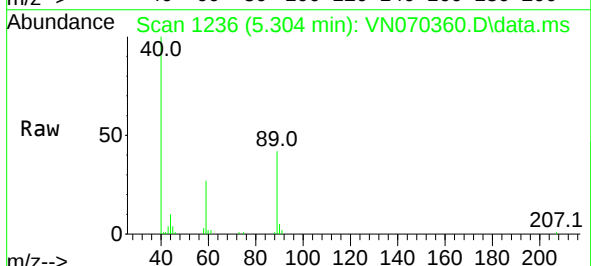
Acq: 29 Dec 2021 20:06

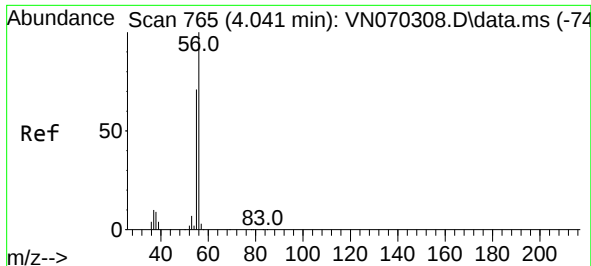
Tgt Ion: 59 Resp: 24311

Ion Ratio Lower Upper

59 100

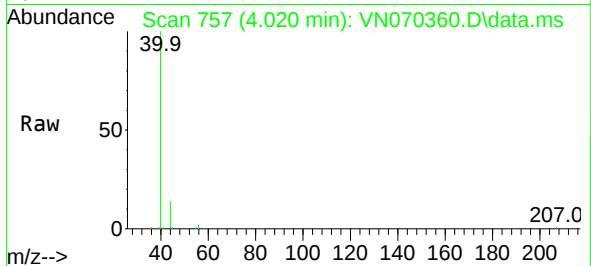
57 0.2 8.7 13.1#



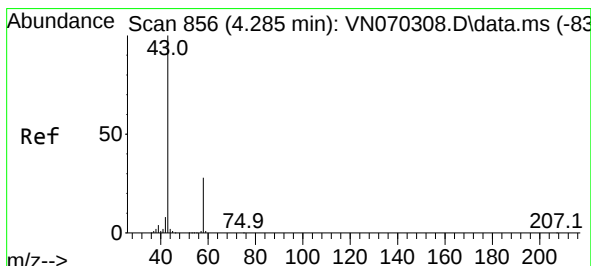
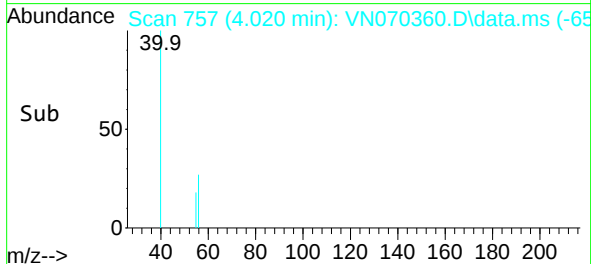
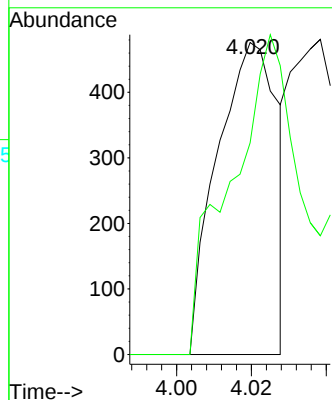


#13
Acrolein
Concen: 0.282 ug/l
RT: 4.020 min Scan# 71
Delta R.T. -0.021 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Instrument :
MSVOA_N
ClientSampleId :

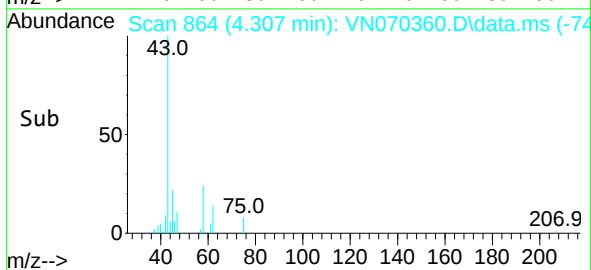
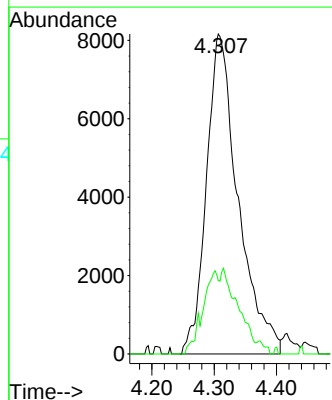
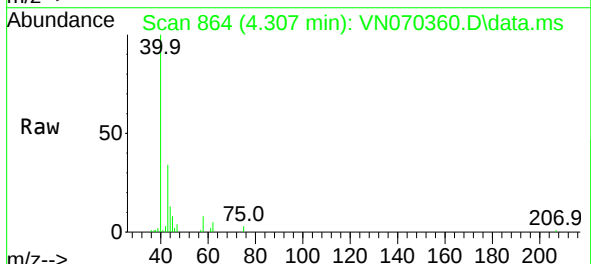


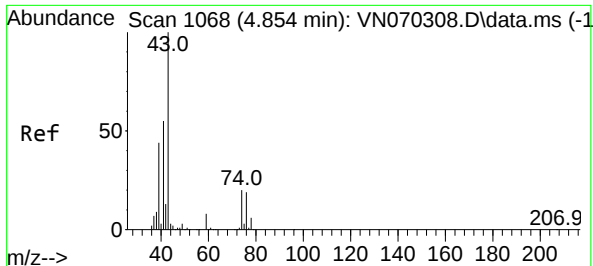
Tgt Ion: 56 Resp: 529
Ion Ratio Lower Upper
56 100
55 116.6 56.6 85.0#



#16
Acetone
Concen: 3.200 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.022 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Tgt Ion: 43 Resp: 28839
Ion Ratio Lower Upper
43 100
58 23.0 23.1 34.7#





#18

Methyl Acetate

Concen: 0.890 ug/l

RT: 4.862 min Scan# 1107

Delta R.T. 0.008 min

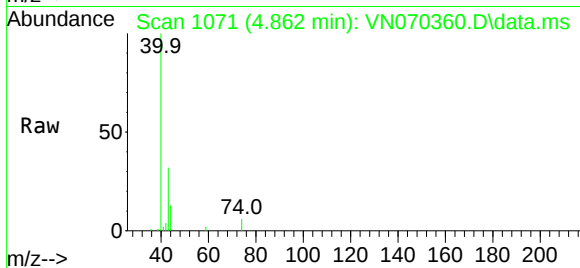
Lab File: VN070360.D

Acq: 29 Dec 2021 20:06

Instrument :

MSVOA_N

ClientSampleId :

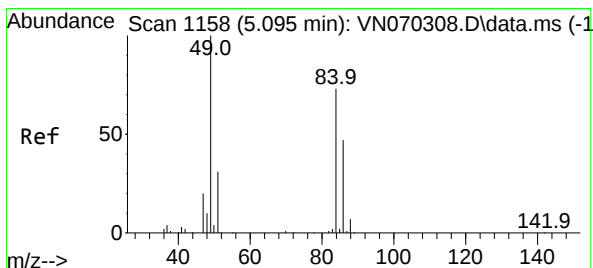
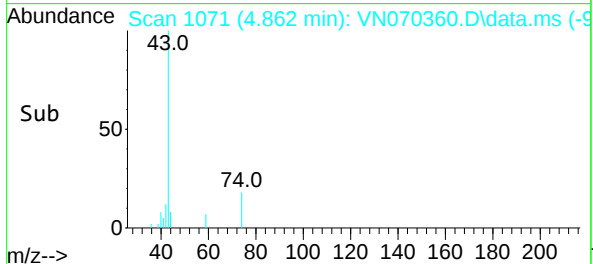
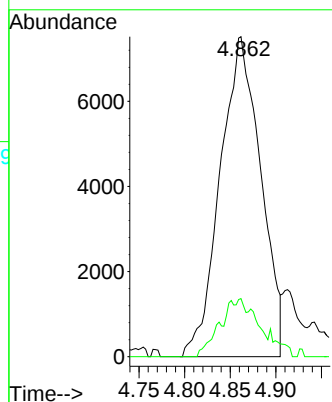


Tgt Ion: 43 Resp: 23197

Ion Ratio Lower Upper

43 100

74 1.3 19.4 29.2#



#20

Methylene Chloride

Concen: 0.530 ug/l

RT: 5.066 min Scan# 1147

Delta R.T. -0.029 min

Lab File: VN070360.D

Acq: 29 Dec 2021 20:06

Tgt Ion: 84 Resp: 6606

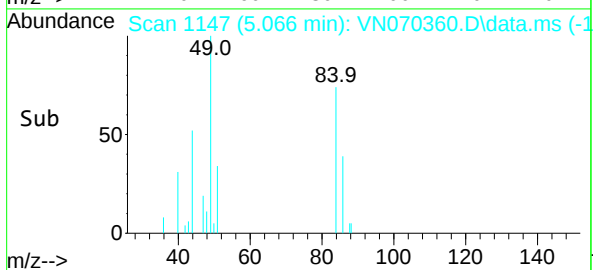
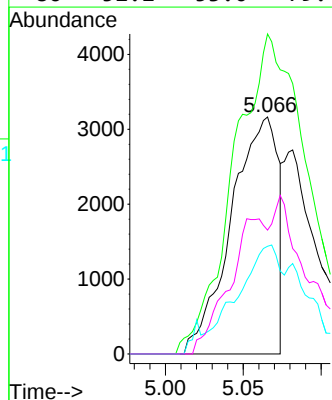
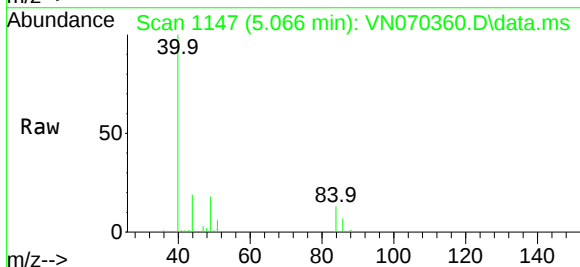
Ion Ratio Lower Upper

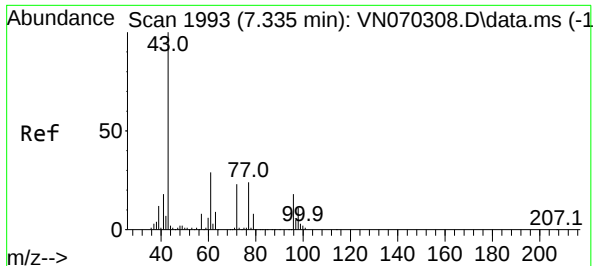
84 100

49 130.2 93.5 140.3

51 45.5 29.4 44.2#

86 52.2 53.0 79.4#





#25

2-Butanone

Concen: 7.932 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.016 min

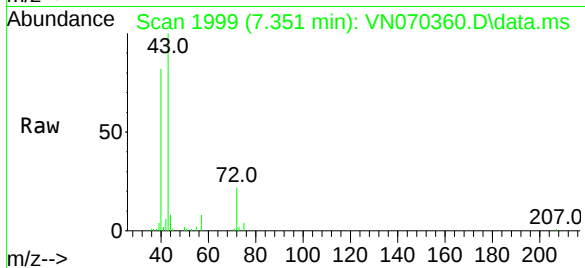
Lab File: VN070360.D

Acq: 29 Dec 2021 20:06

Instrument :

MSVOA_N

ClientSampleId :

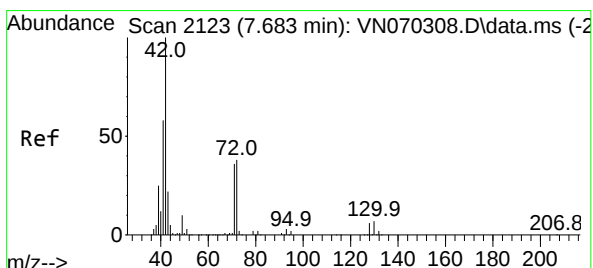
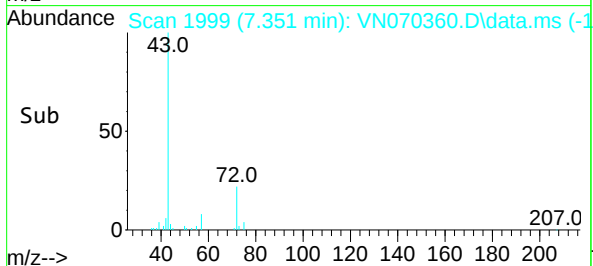
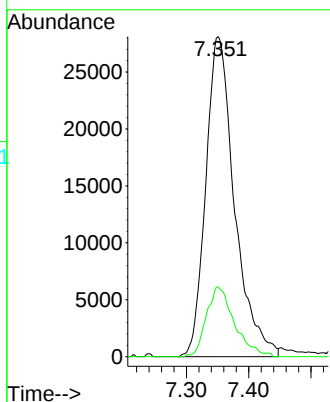


Tgt Ion: 43 Resp: 90019

Ion Ratio Lower Upper

43 100

72 21.8 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.551 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.014 min

Lab File: VN070360.D

Acq: 29 Dec 2021 20:06

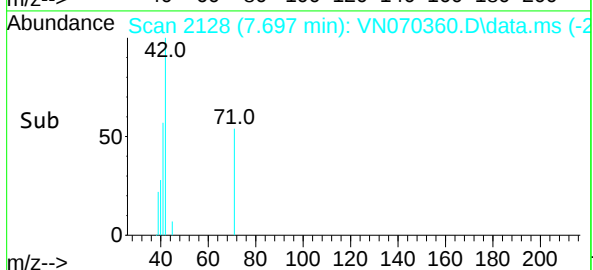
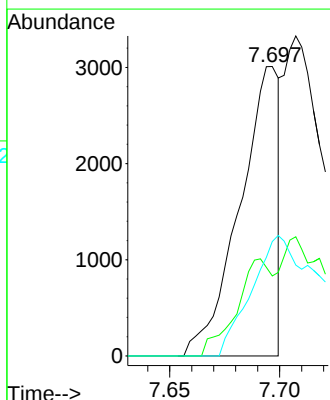
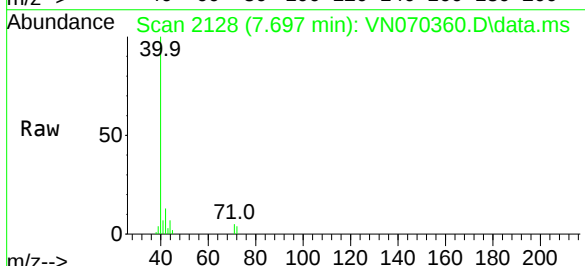
Tgt Ion: 42 Resp: 3733

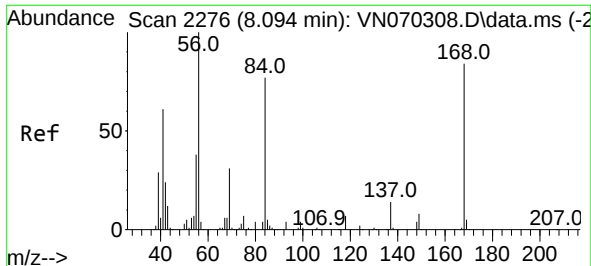
Ion Ratio Lower Upper

42 100

72 29.9 36.3 54.5#

71 78.6 34.7 52.1#

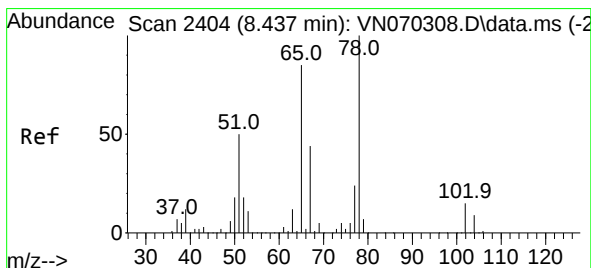
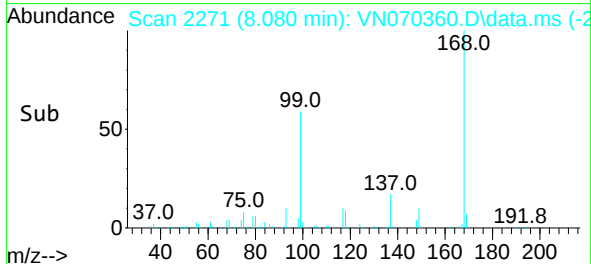
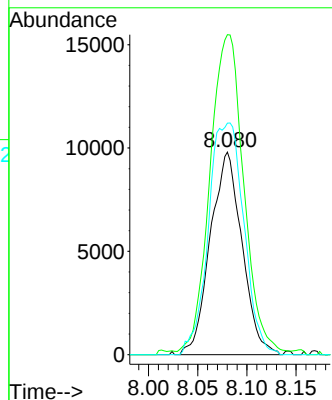
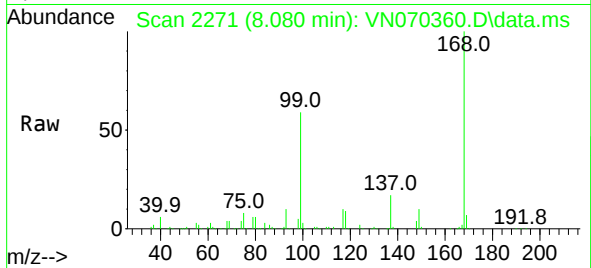




#31
Cyclohexane
Concen: 1.003 ug/l
RT: 8.080 min Scan# 21978
Delta R.T. -0.014 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

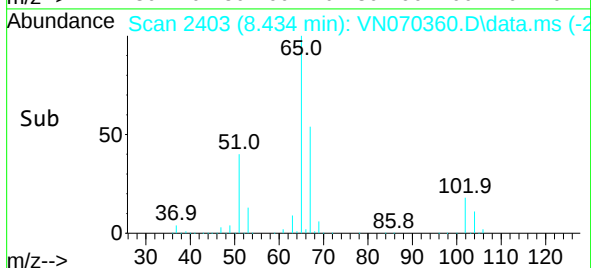
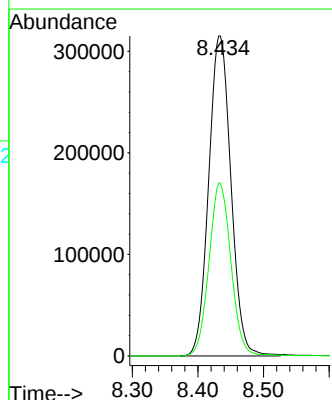
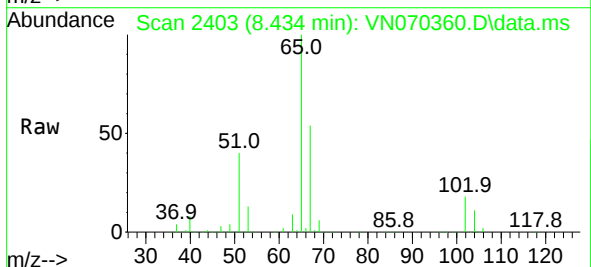
Instrument :
MSVOA_N
ClientSampleId :

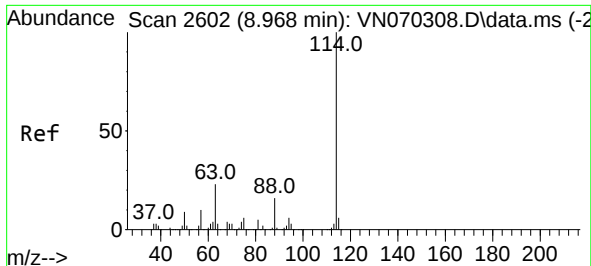
Tgt Ion: 56 Resp: 21978
Ion Ratio Lower Upper
56 100
69 155.4 27.1 40.7#
84 114.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.505 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.003 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Tgt Ion: 65 Resp: 742860
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.0

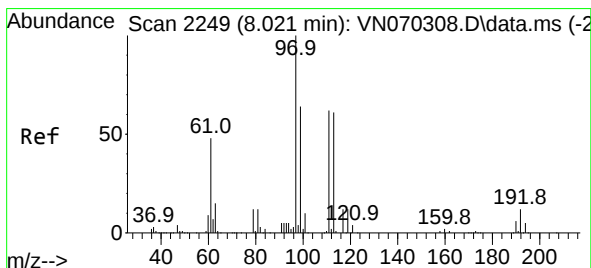
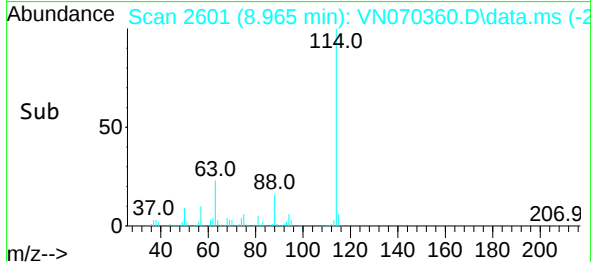
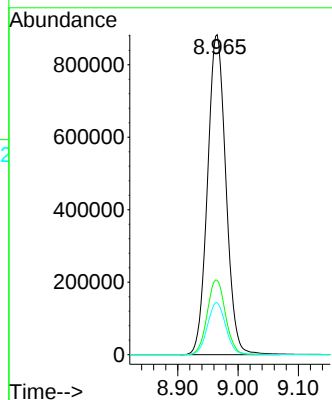
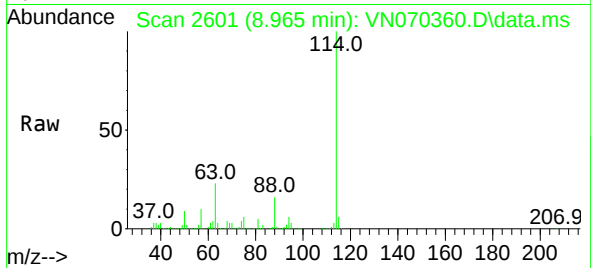




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 20
Delta R.T. -0.003 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

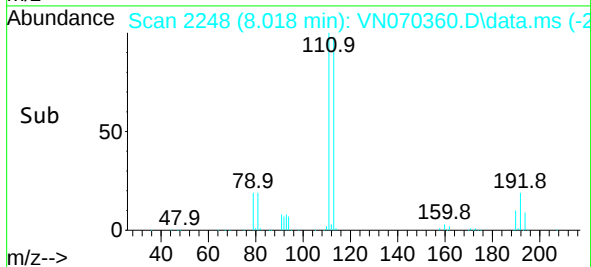
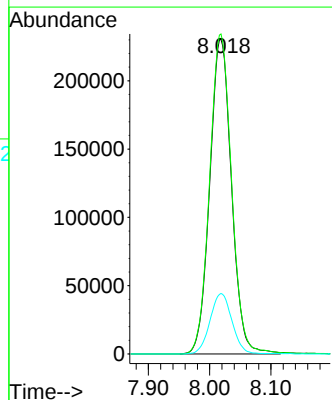
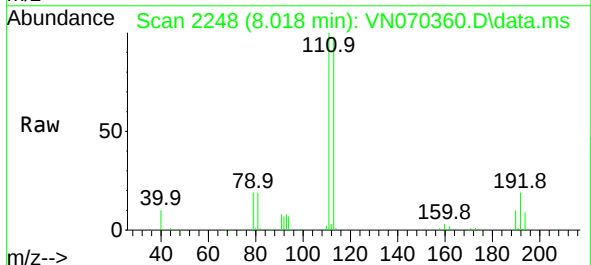
Instrument :
MSVOA_N
ClientSampleId :

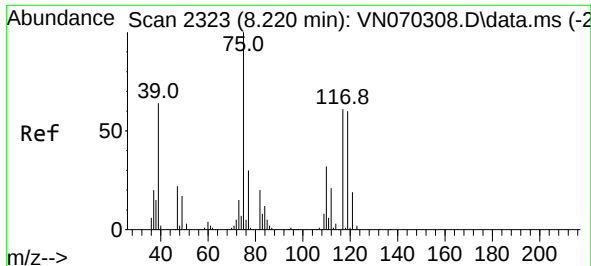
Tgt Ion:114 Resp: 1872042
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 50.221 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

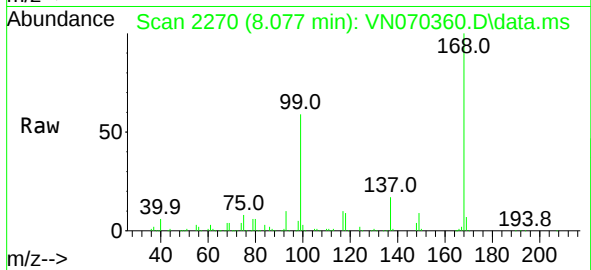
Tgt Ion:113 Resp: 568839
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 19.4 16.9 25.3



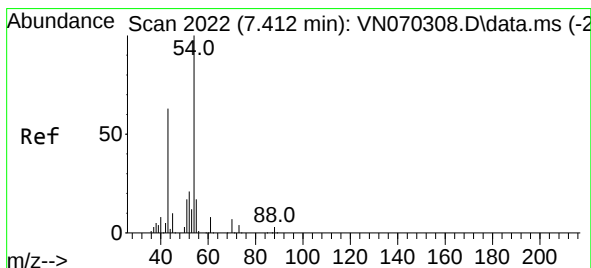
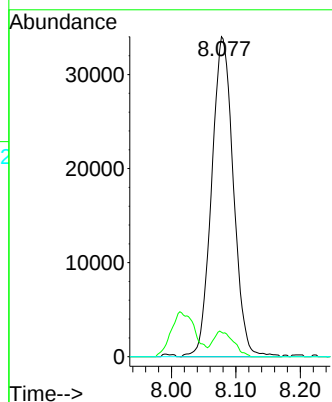
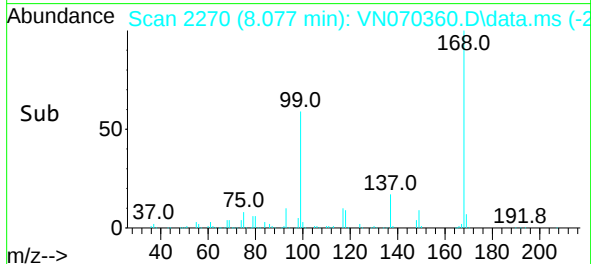


#36
1,1-Dichloropropene
Concen: 4.248 ug/l
RT: 8.077 min Scan# 21
Delta R.T. -0.143 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Instrument :
MSVOA_N
ClientSampleId :

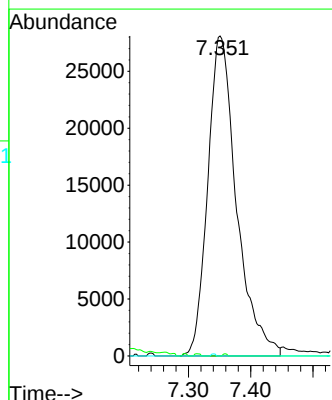
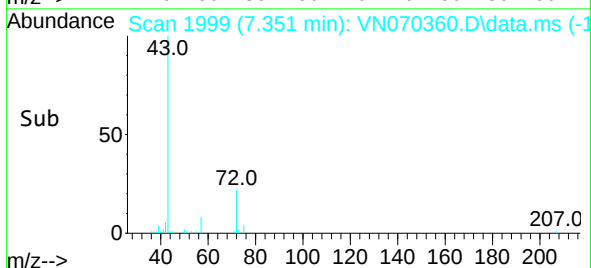
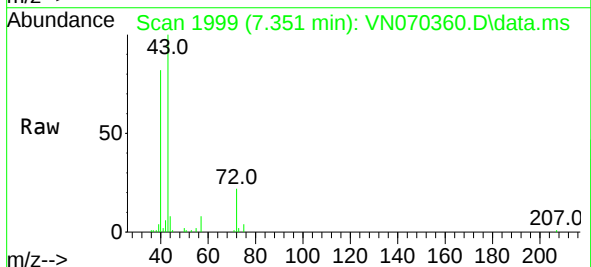


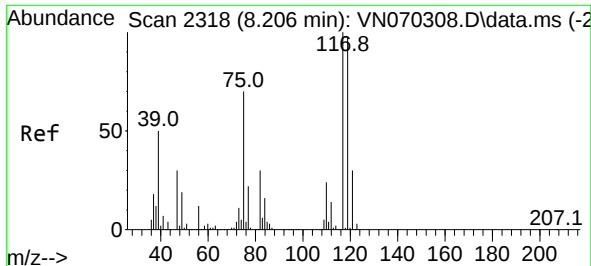
Tgt Ion: 75 Resp: 79595
Ion Ratio Lower Upper
75 100
110 7.5 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.706 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.061 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

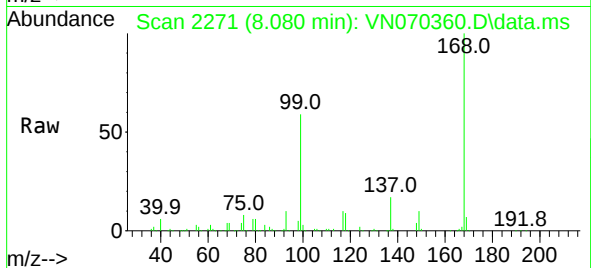
Tgt Ion: 43 Resp: 90019
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.1 7.9 11.9#



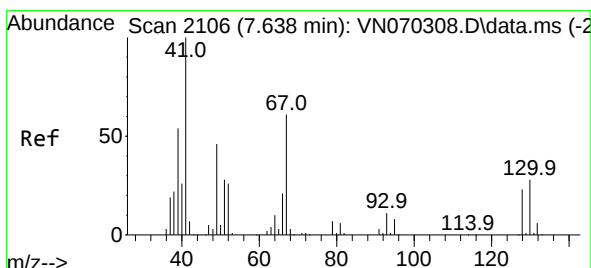
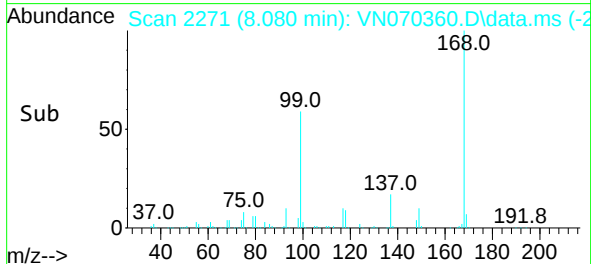
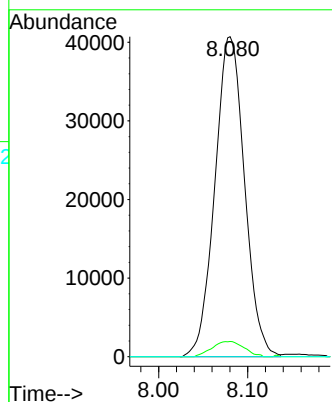


#38
Carbon Tetrachloride
Concen: 5.271 ug/l
RT: 8.080 min Scan# 2133
Delta R.T. -0.126 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Instrument :
MSVOA_N
ClientSampleId :

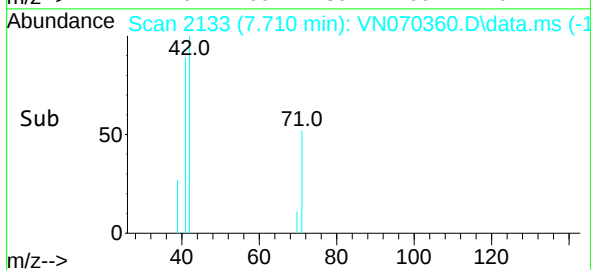
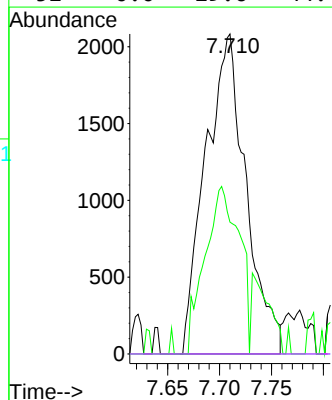
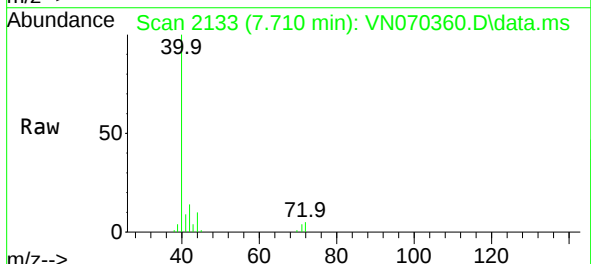


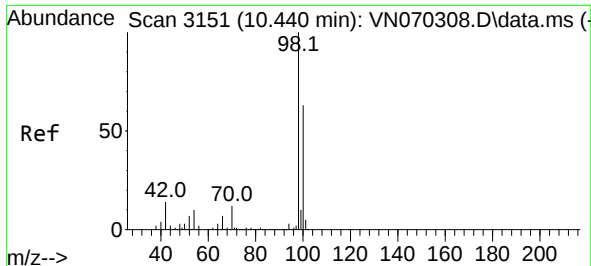
Tgt Ion:117 Resp: 94312
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.465 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.072 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Tgt Ion: 41 Resp: 5651
Ion Ratio Lower Upper
41 100
39 44.3 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#

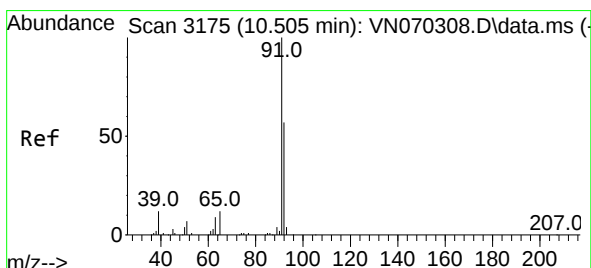
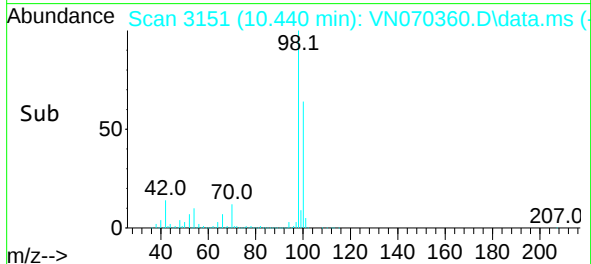
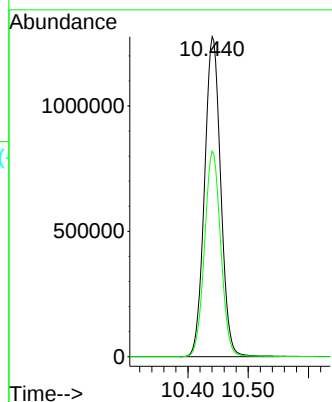
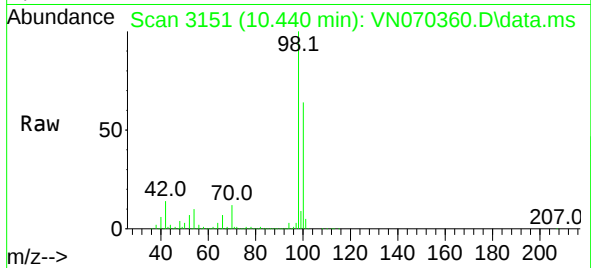




#50
Toluene-d8
Concen: 51.340 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

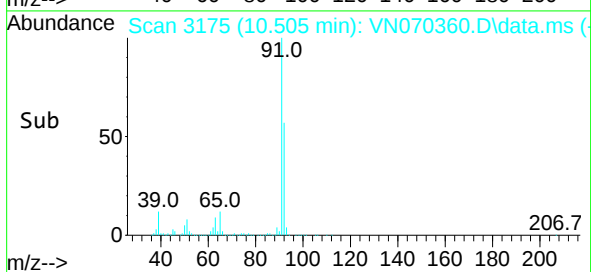
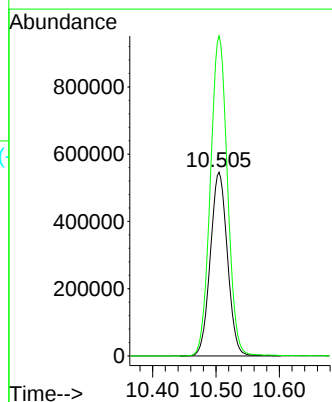
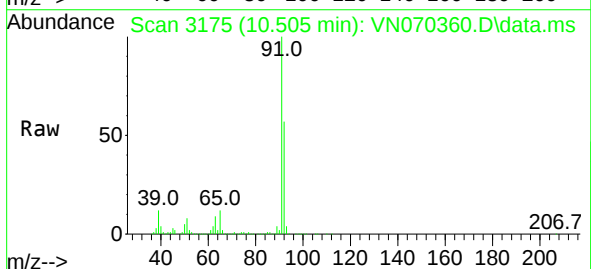
Instrument :
MSVOA_N
ClientSampleId :

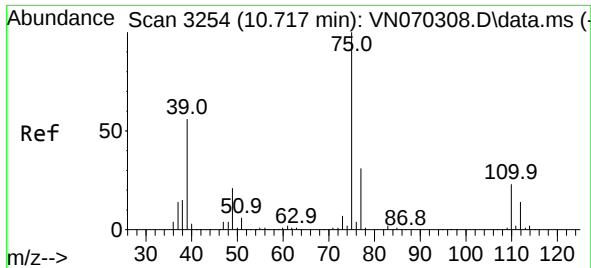
Tgt Ion: 98 Resp: 2375556
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#52
Toluene
Concen: 29.431 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Tgt Ion: 92 Resp: 1023355
Ion Ratio Lower Upper
92 100
91 174.0 142.0 213.0

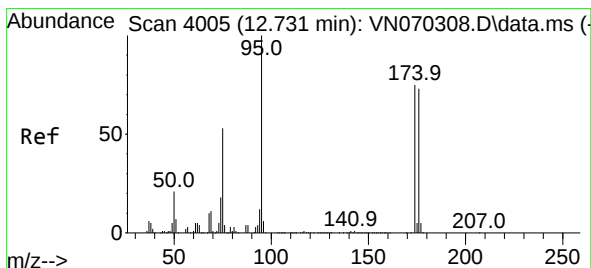
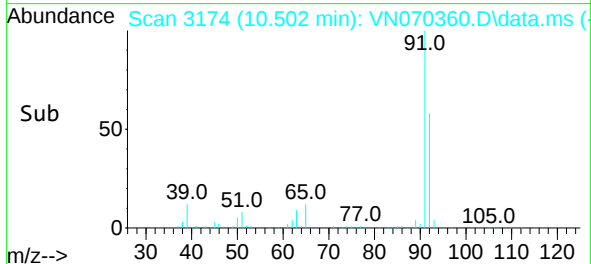
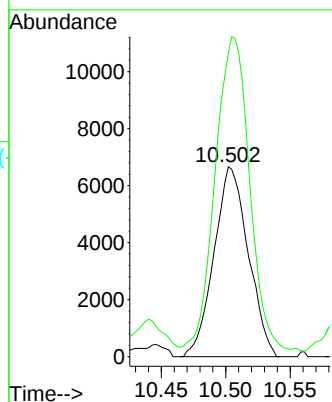
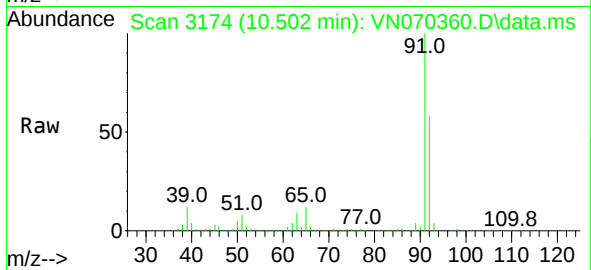




#53
t-1,3-Dichloropropene
Concen: 0.595 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.215 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

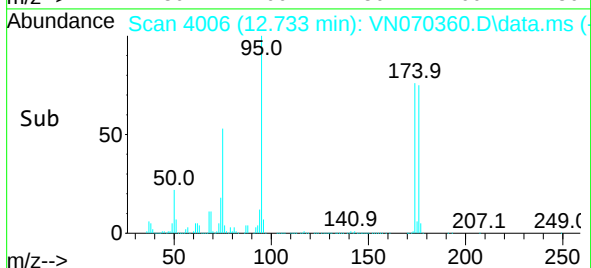
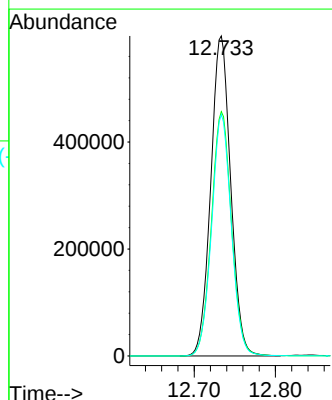
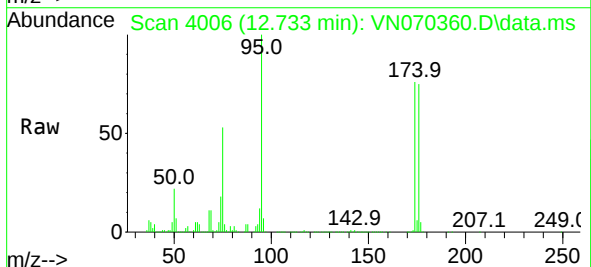
Instrument :
MSVOA_N
ClientSampleId :

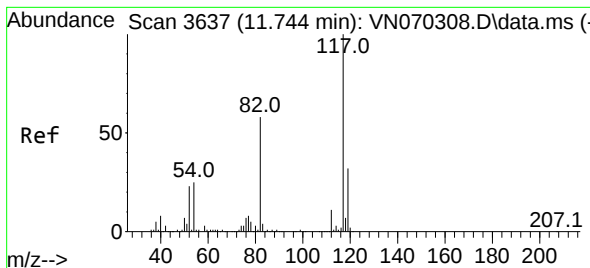
Tgt Ion: 75 Resp: 12303
Ion Ratio Lower Upper
75 100
77 155.1 25.6 38.4#



#62
4-Bromofluorobenzene
Concen: 61.086 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Tgt Ion: 95 Resp: 1020876
Ion Ratio Lower Upper
95 100
174 77.0 0.0 187.2
176 74.5 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.746 min Scan# 30

Delta R.T. 0.002 min

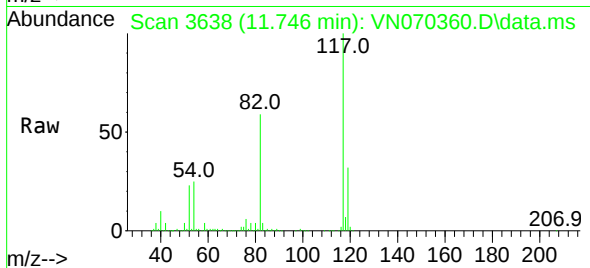
Lab File: VN070360.D

Acq: 29 Dec 2021 20:06

Instrument :

MSVOA_N

ClientSampleId :



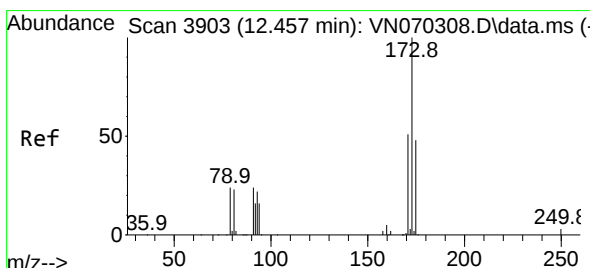
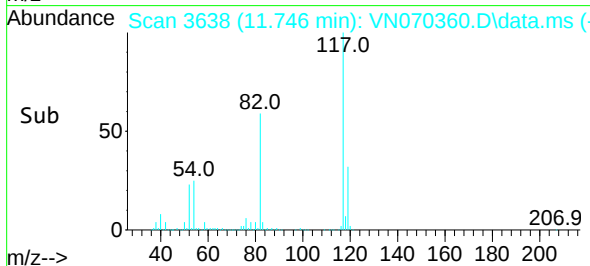
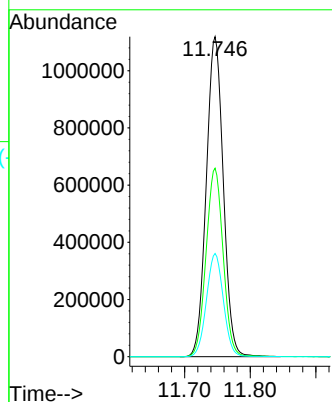
Tgt Ion:117 Resp: 2013207

Ion Ratio Lower Upper

117 100

82 58.9 42.4 63.6

119 32.2 25.4 38.2



#71

Bromoform

Concen: 0.643 ug/l

RT: 12.736 min Scan# 4007

Delta R.T. 0.279 min

Lab File: VN070360.D

Acq: 29 Dec 2021 20:06

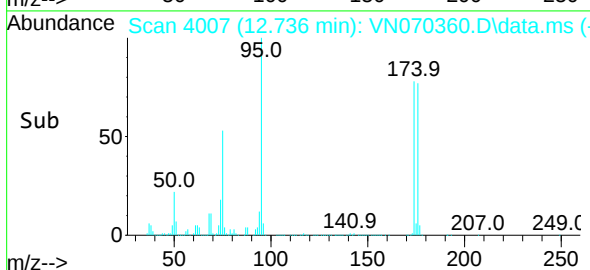
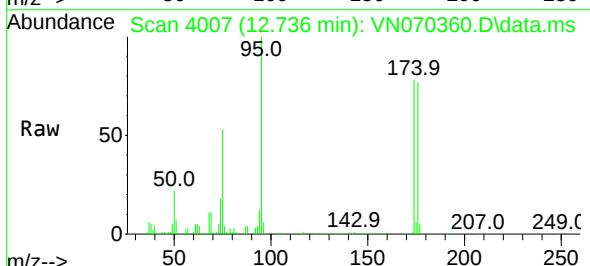
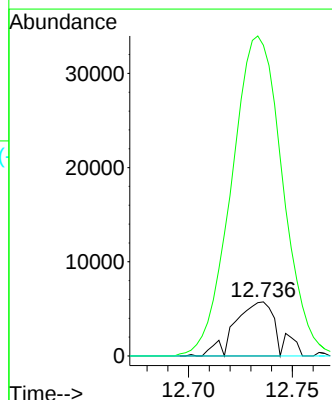
Tgt Ion:173 Resp: 7278

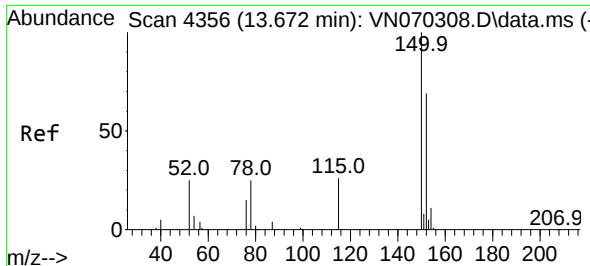
Ion Ratio Lower Upper

173 100

175 726.5 24.2 72.6#

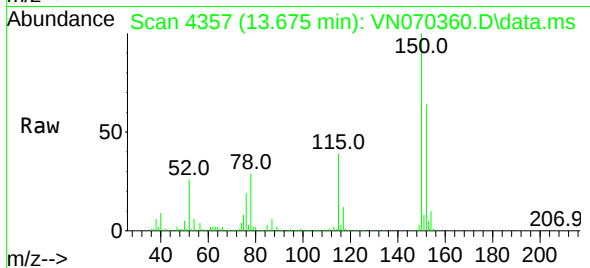
254 0.0 0.0 0.0



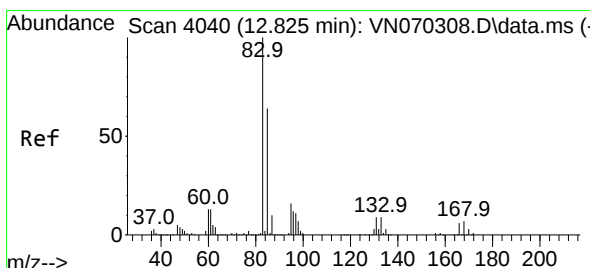
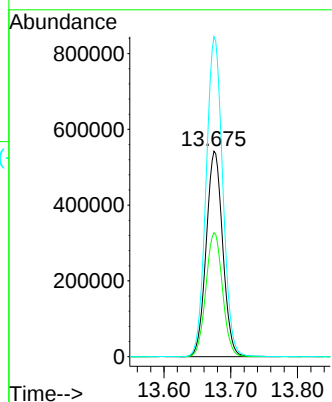
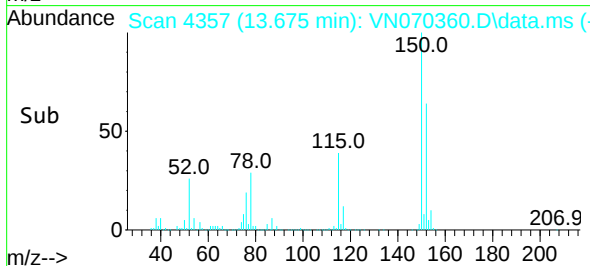


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070360.D
 Acq: 29 Dec 2021 20:06

Instrument :
 MSVOA_N
 ClientSampleId :

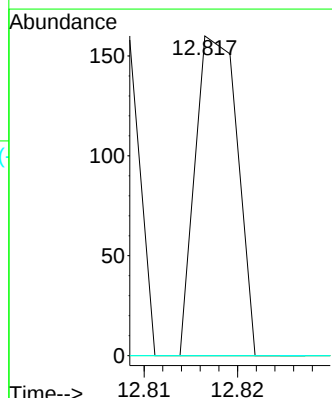
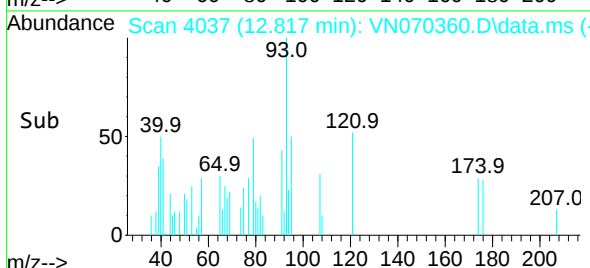
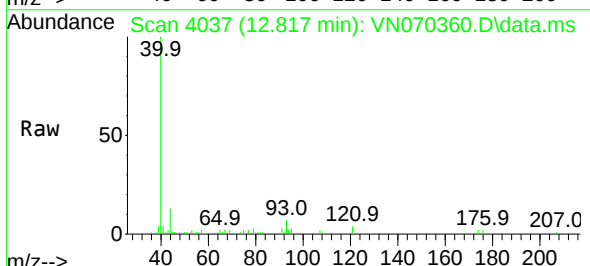


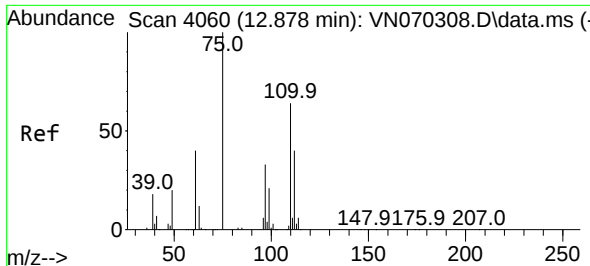
Tgt Ion:152 Resp: 931809
 Ion Ratio Lower Upper
 152 100
 115 60.5 27.5 82.5
 150 156.6 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.449 ug/l
 RT: 12.817 min Scan# 4037
 Delta R.T. -0.008 min
 Lab File: VN070360.D
 Acq: 29 Dec 2021 20:06

Tgt Ion: 83 Resp: 50
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

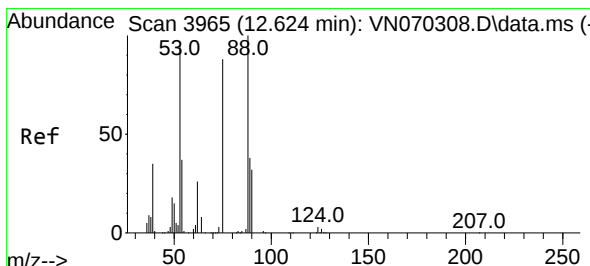
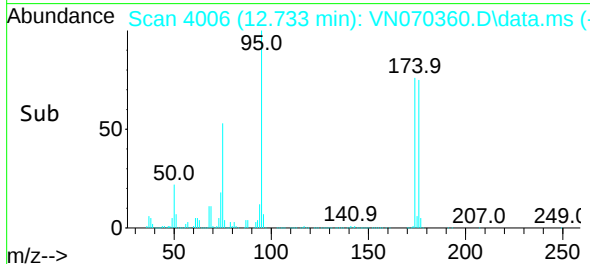
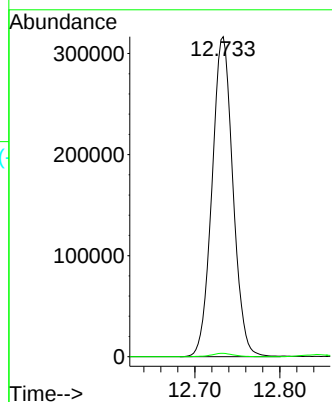
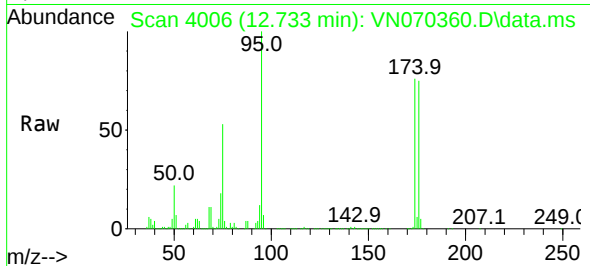




#76
1,2,3-Trichloropropane
Concen: 21.277 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.145 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

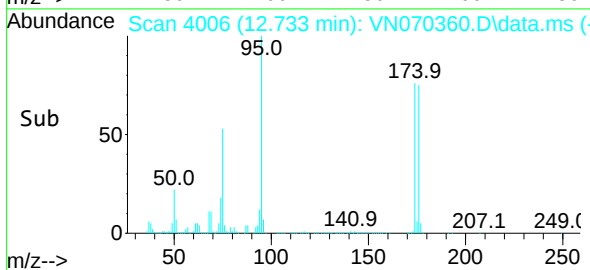
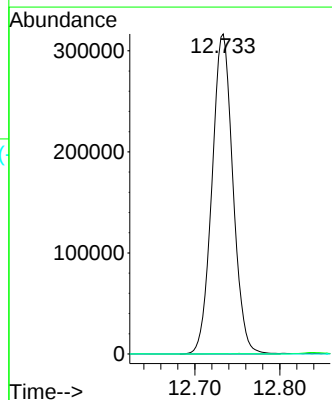
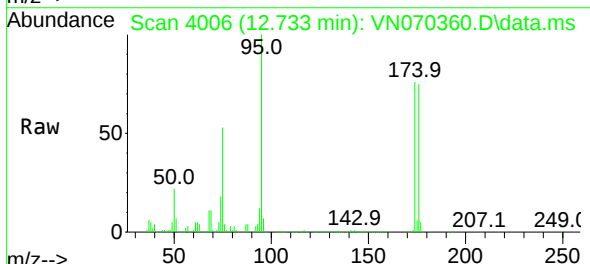
Instrument :
MSVOA_N
ClientSampleId :

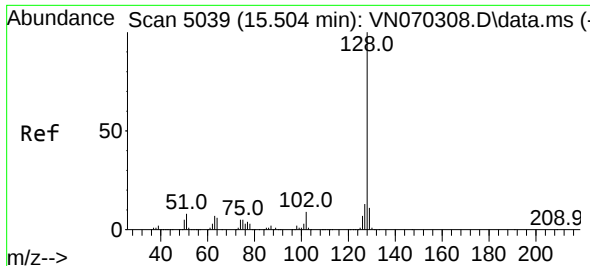
Tgt Ion: 75 Resp: 541121
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.951 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.109 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Tgt Ion: 75 Resp: 541121
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

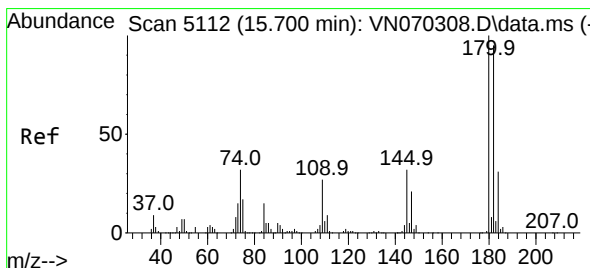
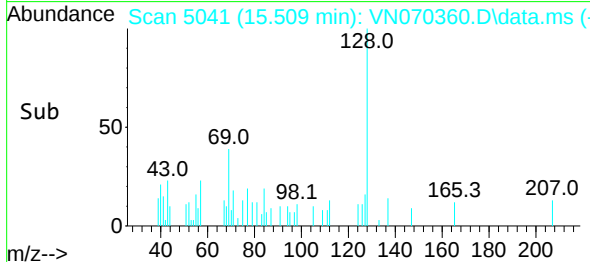
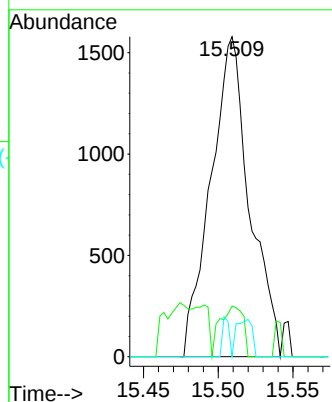
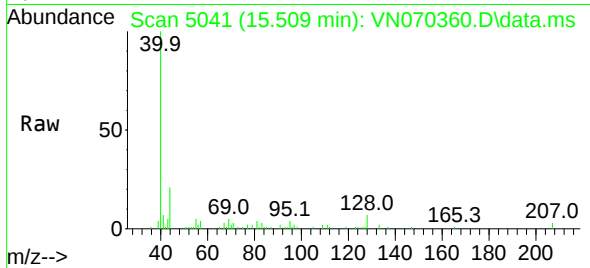




#95
Naphthalene
Concen: 1.862 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2852
Ion Ratio Lower Upper
128 100
127 9.4 10.5 15.7#
129 2.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.877 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN070360.D
Acq: 29 Dec 2021 20:06

Tgt Ion:180 Resp: 757
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 41.3 15.0 45.1

