

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070111.D
 Acq On : 15 Dec 2021 15:02
 Operator : JC/MD
 Sample : M4970-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 05:39:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

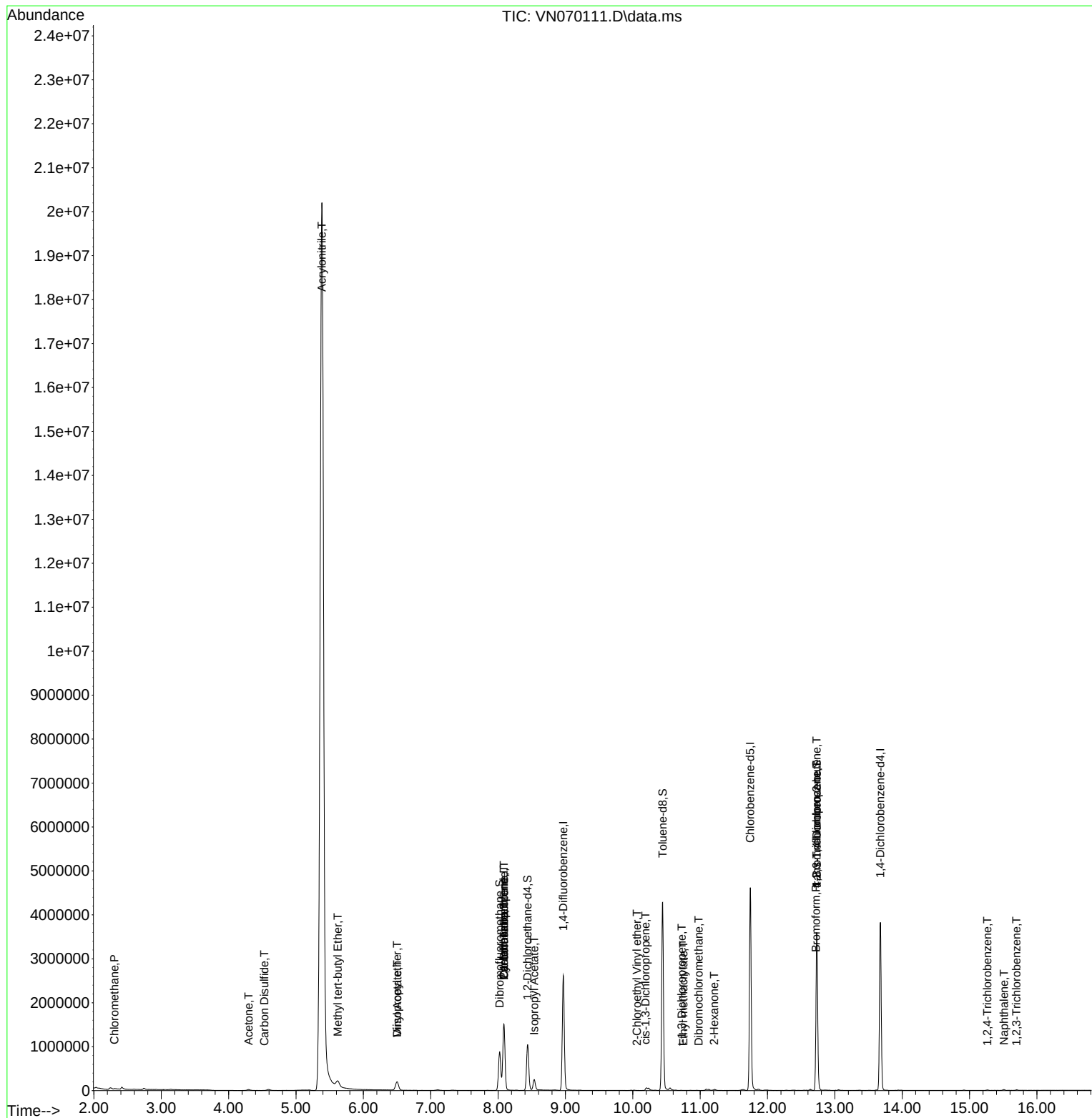
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1135404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2197638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2567496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1035474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	912670	52.061	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.120%	
35) Dibromofluoromethane	8.024	113	641566	46.607	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.220%	
50) Toluene-d8	10.443	98	2917693	52.787	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.580%	
62) 4-Bromofluorobenzene	12.731	95	1274886	63.667	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 127.340%	
Target Compounds						Qvalue
3) Chloromethane	2.303	50	3716	0.224	ug/l	89
15) Acrylonitrile	5.382	53	420751	47.120	ug/l #	21
16) Acetone	4.296	43	43913	4.164	ug/l	91
17) Carbon Disulfide	4.529	76	7221	0.258	ug/l	99
19) Methyl tert-butyl Ether	5.621	73	180495	4.292	ug/l #	85
22) Diisopropyl ether	6.501	45	257345	5.403	ug/l #	87
23) Vinyl Acetate	6.503	43	131518	3.394	ug/l #	72
31) Cyclohexane	8.086	56	28042	1.149	ug/l #	12
36) 1,1-Dichloropropene	8.088	75	96265	4.601	ug/l #	49
38) Carbon Tetrachloride	8.086	117	117238	5.715	ug/l #	16
43) Isopropyl Acetate	8.536	43	59345	1.288	ug/l #	55
53) t-1,3-Dichloropropene	10.727	75	383	2.808	ug/l #	84
54) cis-1,3-Dichloropropene	10.188	75	141	2.004	ug/l #	1
56) Ethyl methacrylate	10.752	69	293	2.289	ug/l #	24
58) 2-Chloroethyl Vinyl ether	10.060	63	116	18.402	ug/l #	45
59) 2-Hexanone	11.208	43	5437	0.240	ug/l	91
60) Dibromochloromethane	10.977	129	163	2.385	ug/l #	11
71) Bromoform	12.720	173	1537	2.824	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	704916	23.739	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	704916	75.444	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	4016	3.101	ug/l	97
95) Naphthalene	15.509	128	17080	4.296	ug/l	98
96) 1,2,3-Trichlorobenzene	15.694	180	2150	2.559	ug/l #	14

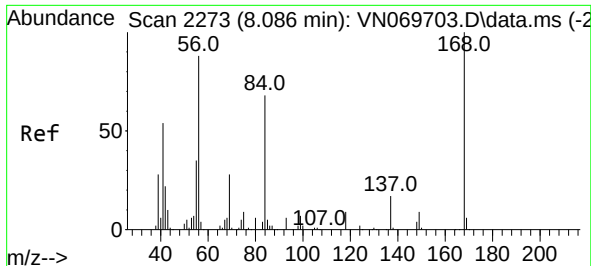
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
Data File : VN070111.D
Acq On : 15 Dec 2021 15:02
Operator : JC/MD
Sample : M4970-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

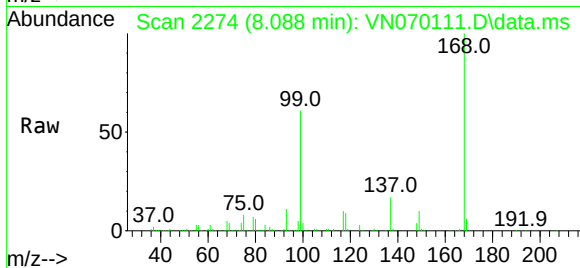
Quant Time: Dec 16 05:39:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



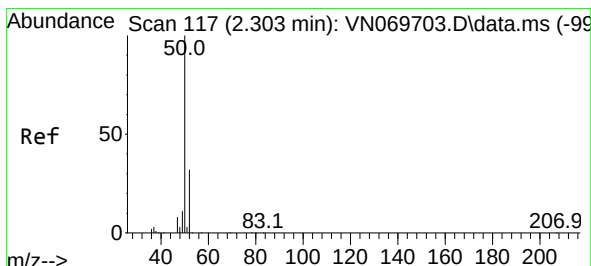
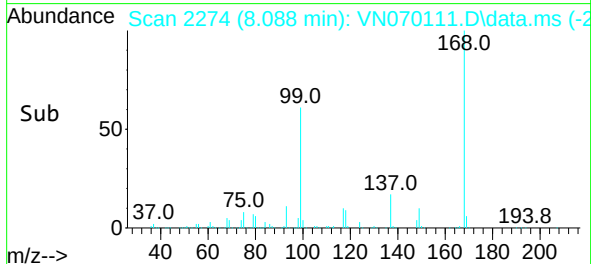
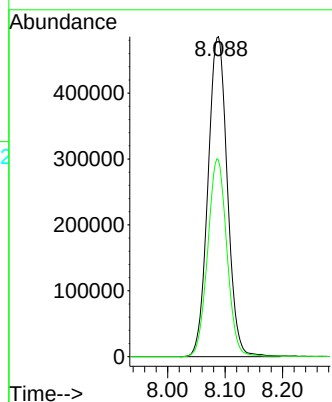


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Instrument :
MSVOA_N
ClientSampleId :

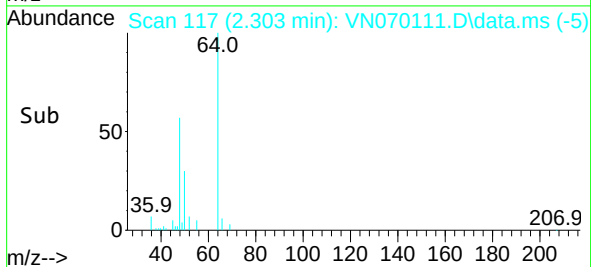
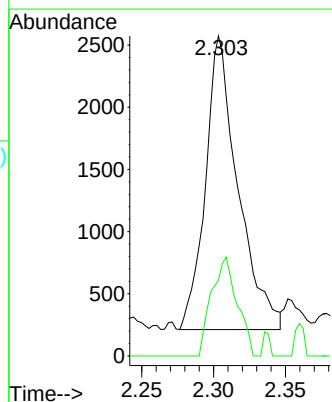
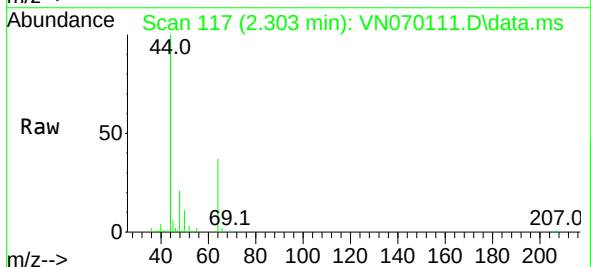


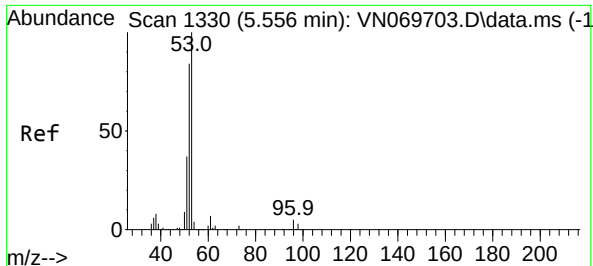
Tgt Ion:168 Resp: 1135404
Ion Ratio Lower Upper
168 100
99 61.4 41.3 61.9



#3
Chloromethane
Concen: 0.224 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

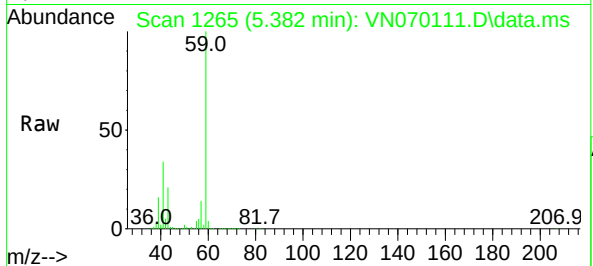
Tgt Ion: 50 Resp: 3716
Ion Ratio Lower Upper
50 100
52 25.7 25.4 38.0



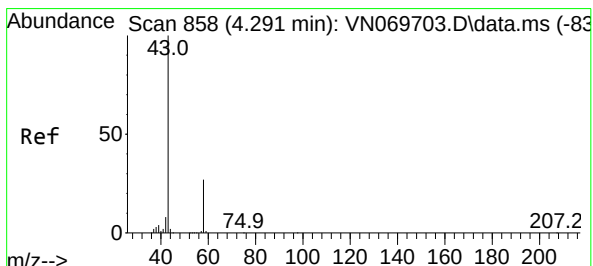
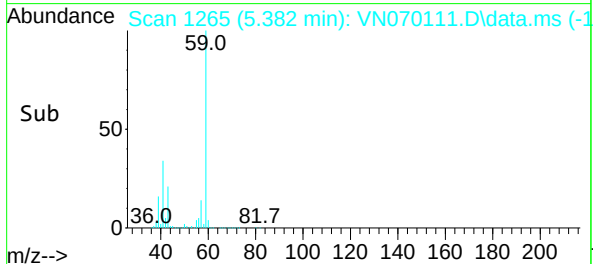
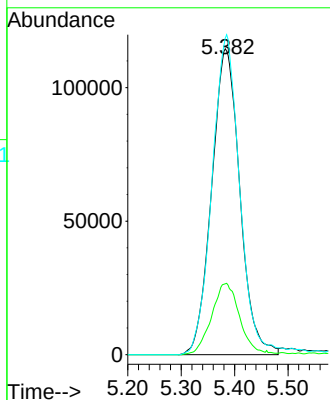


#15
Acrylonitrile
Concen: 47.120 ug/l
RT: 5.382 min Scan# 11
Delta R.T. -0.174 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Instrument :
MSVOA_N
ClientSampleId :

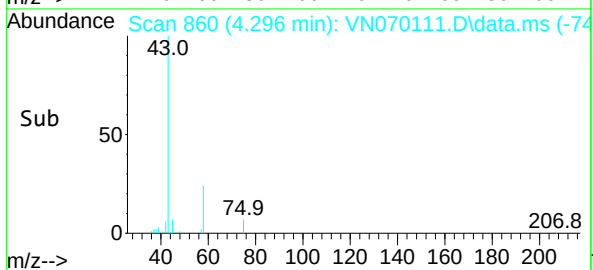
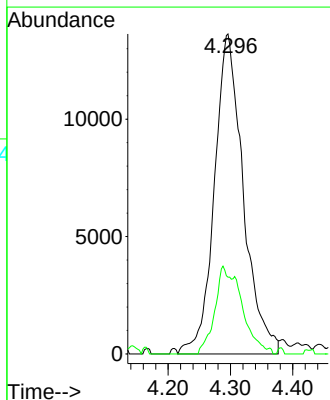
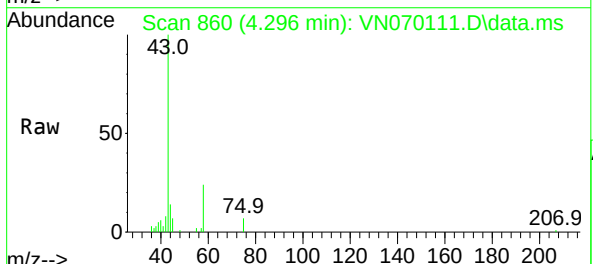


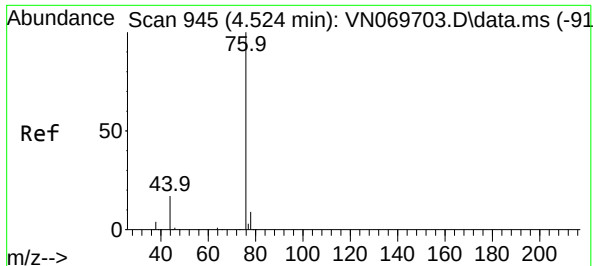
Tgt Ion: 53 Resp: 420751
Ion Ratio Lower Upper
53 100
52 23.1 66.2 99.2#
51 100.8 29.6 44.4#



#16
Acetone
Concen: 4.164 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.006 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

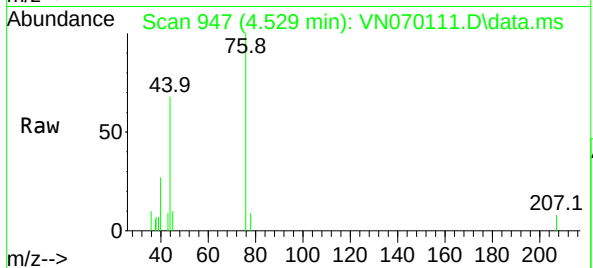
Tgt Ion: 43 Resp: 43913
Ion Ratio Lower Upper
43 100
58 24.0 23.1 34.7



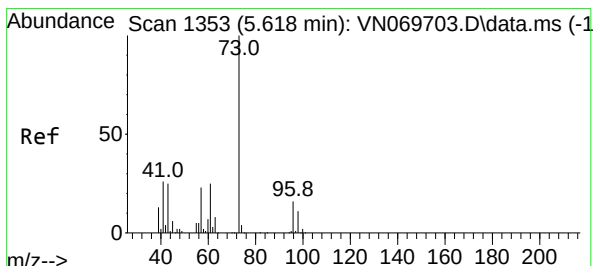
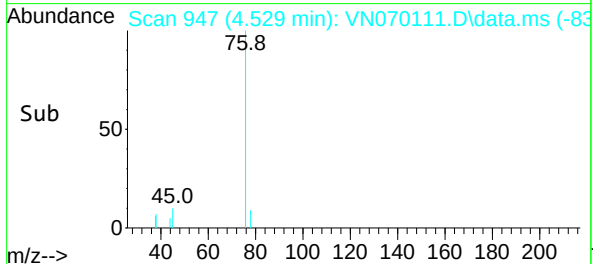
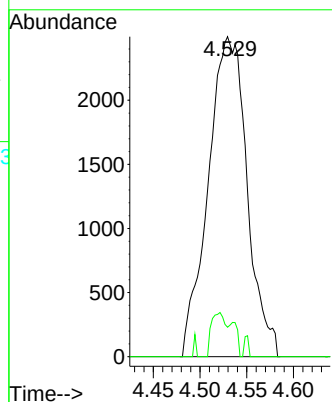


#17
Carbon Disulfide
Concen: 0.258 ug/l
RT: 4.529 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Instrument :
MSVOA_N
ClientSampleId :

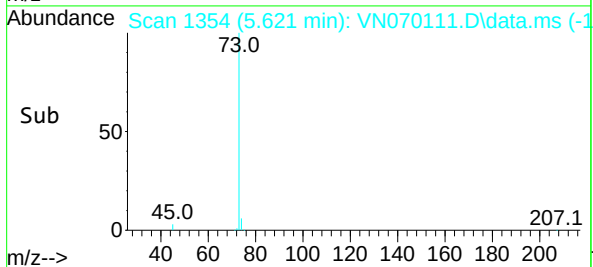
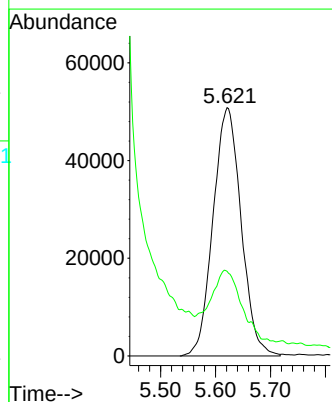
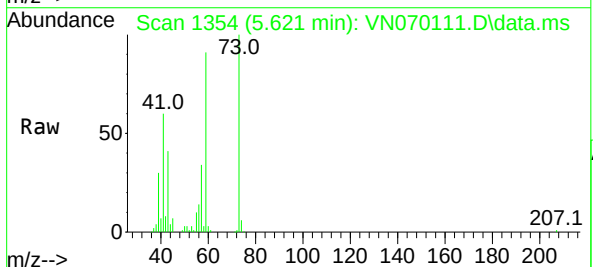


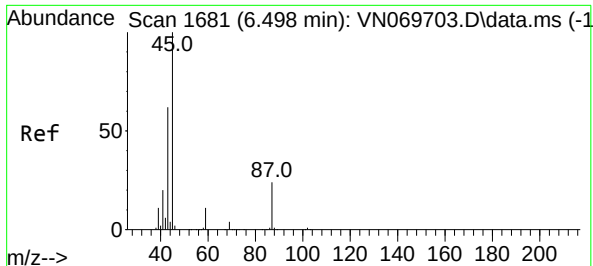
Tgt Ion: 76 Resp: 7221
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#19
Methyl tert-butyl Ether
Concen: 4.292 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Tgt Ion: 73 Resp: 180495
Ion Ratio Lower Upper
73 100
57 28.1 16.8 25.2#





#22

Diisopropyl ether

Concen: 5.403 ug/l

RT: 6.501 min Scan# 1

Delta R.T. 0.003 min

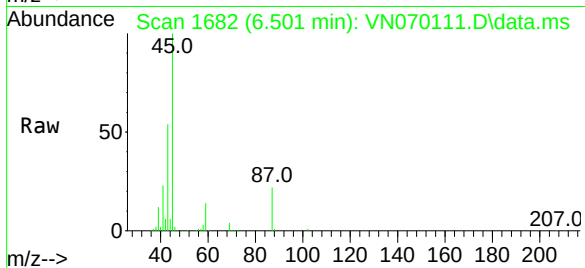
Lab File: VN070111.D

Acq: 15 Dec 2021 15:02

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 45 Resp: 257345

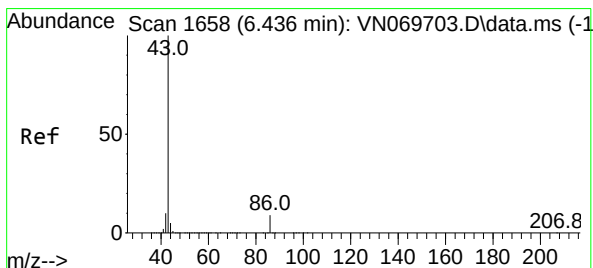
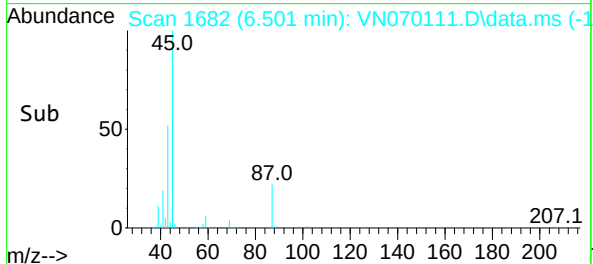
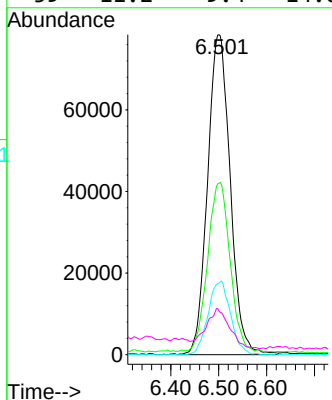
Ion Ratio Lower Upper

45 100

43 52.5 51.7 77.5

87 22.3 23.2 34.8#

59 11.2 9.4 14.0



#23

Vinyl Acetate

Concen: 3.394 ug/l

RT: 6.503 min Scan# 1683

Delta R.T. 0.067 min

Lab File: VN070111.D

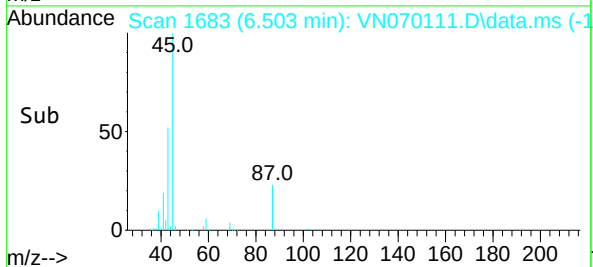
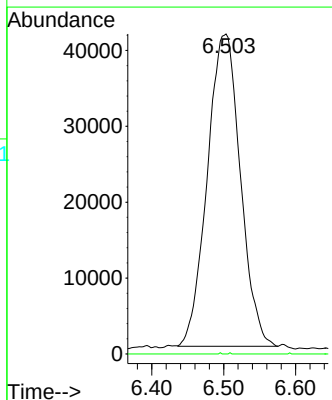
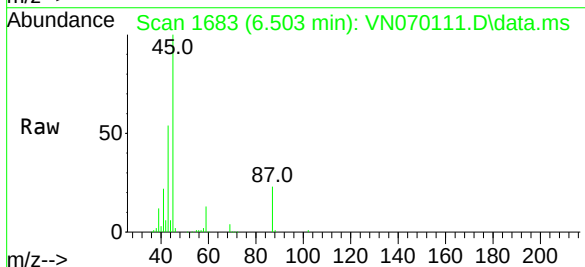
Acq: 15 Dec 2021 15:02

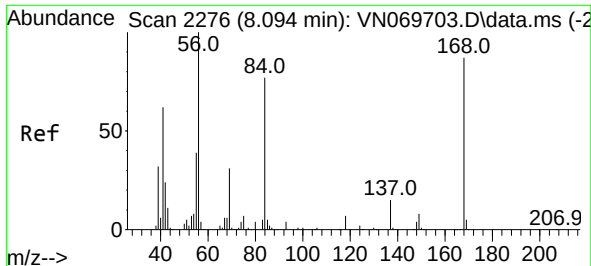
Tgt Ion: 43 Resp: 131518

Ion Ratio Lower Upper

43 100

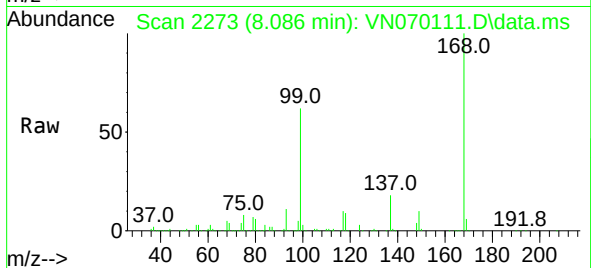
86 0.0 8.5 12.7#



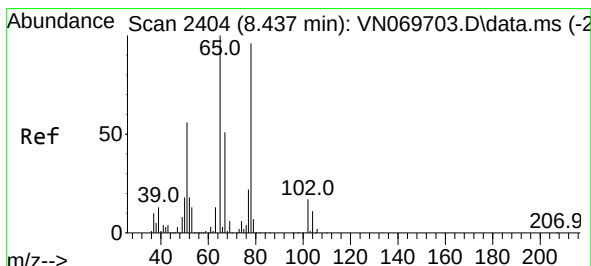
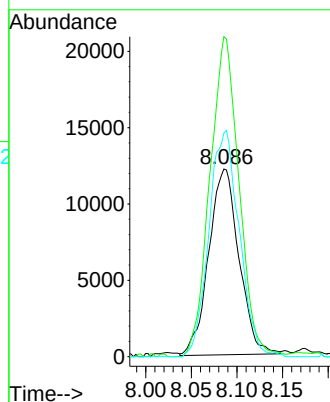
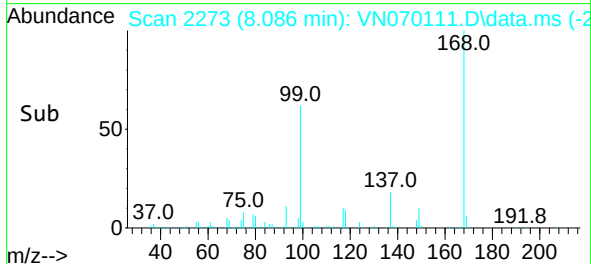


#31
Cyclohexane
Concen: 1.149 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Instrument :
MSVOA_N
ClientSampleId :

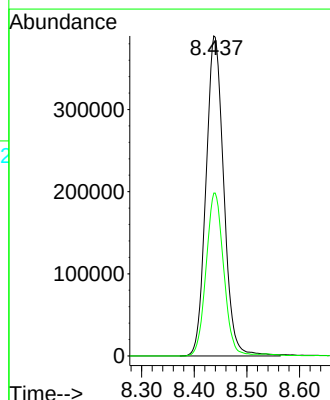
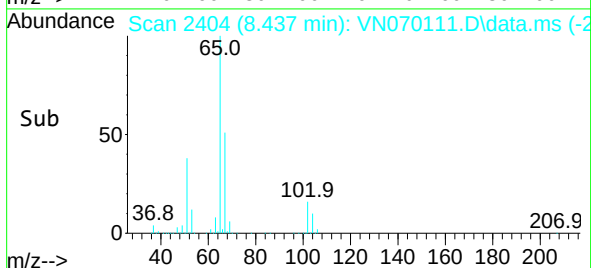
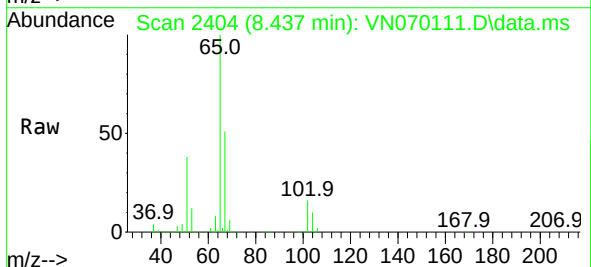


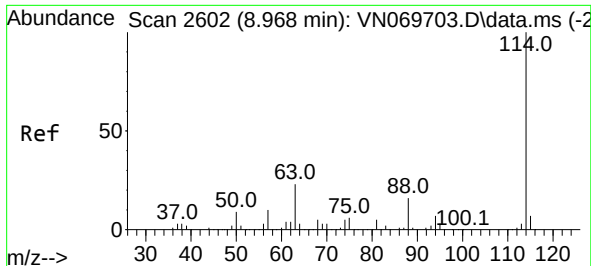
Tgt Ion: 56 Resp: 28042
Ion Ratio Lower Upper
56 100
69 173.2 27.1 40.7#
84 121.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.061 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

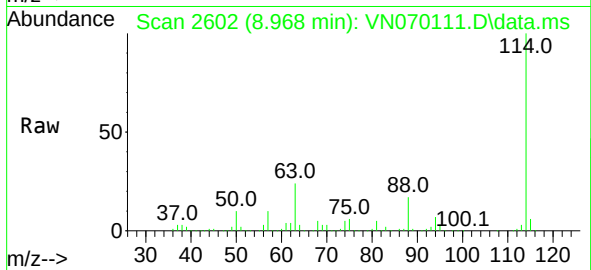
Tgt Ion: 65 Resp: 912670
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.0



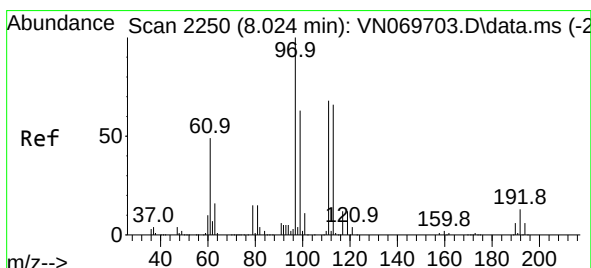
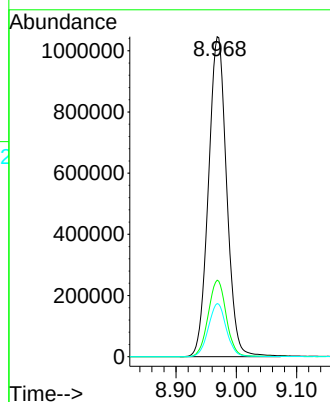
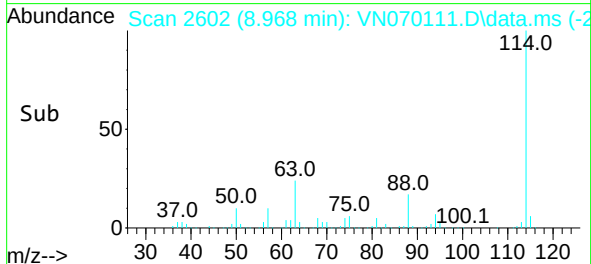


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Instrument :
MSVOA_N
ClientSampleId :

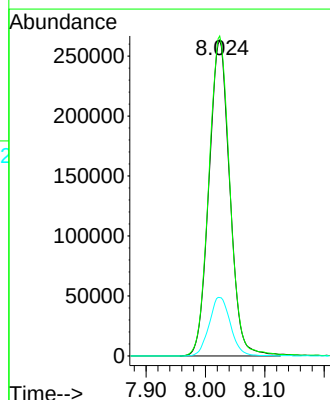
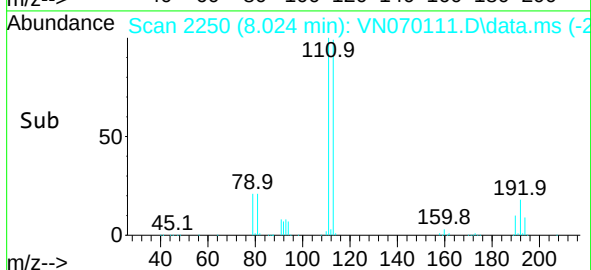
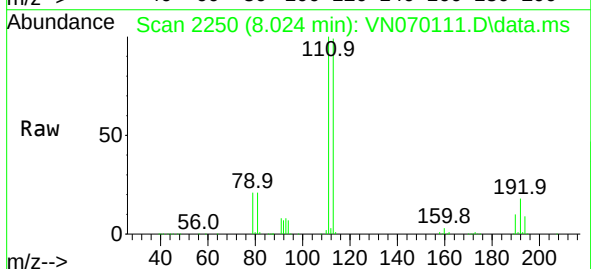


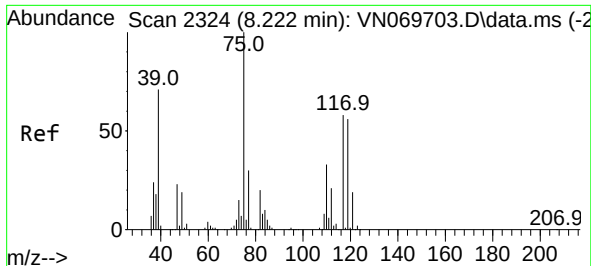
Tgt Ion:114 Resp: 2197638
Ion Ratio Lower Upper
114 100
63 23.9 0.0 37.8
88 16.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.607 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

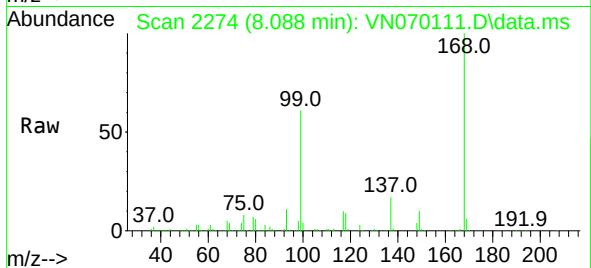
Tgt Ion:113 Resp: 641566
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 18.9 16.9 25.3



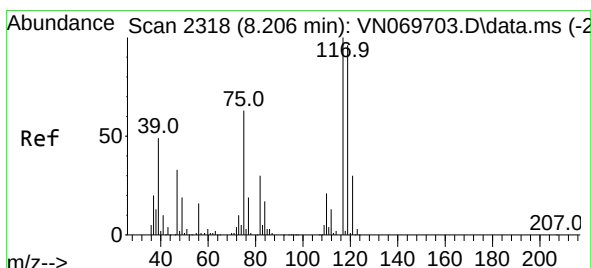
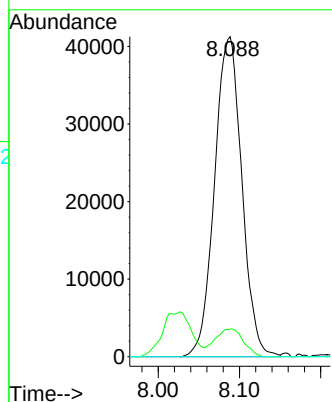
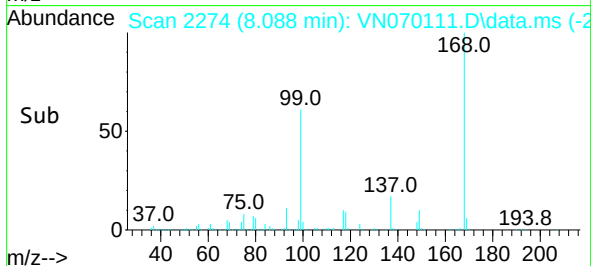


#36
1,1-Dichloropropene
Concen: 4.601 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

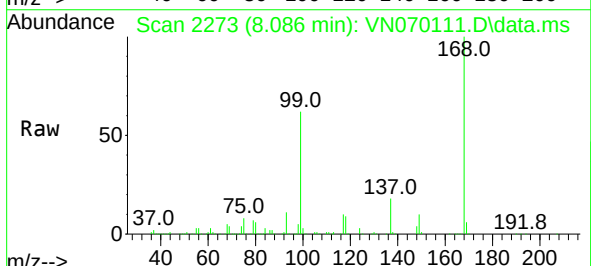
Instrument :
MSVOA_N
ClientSampleId :



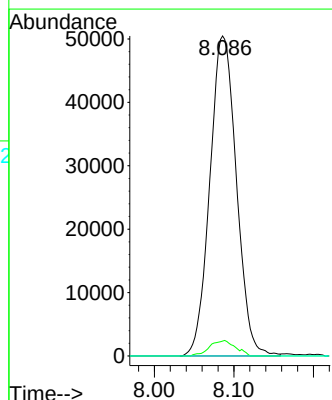
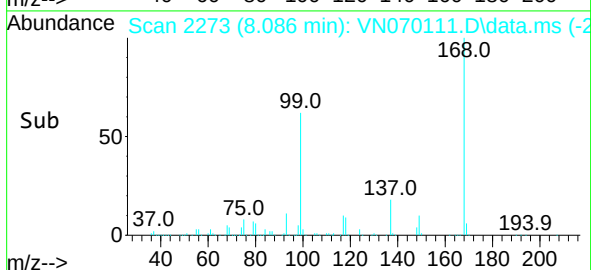
Tgt Ion: 75 Resp: 96265
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#

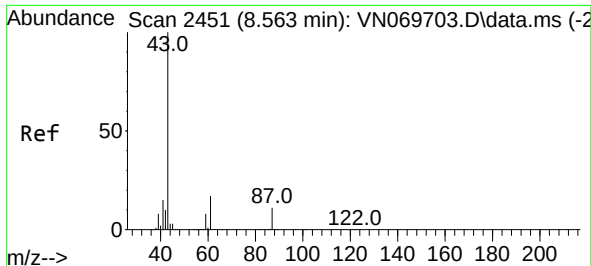


#38
Carbon Tetrachloride
Concen: 5.715 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02



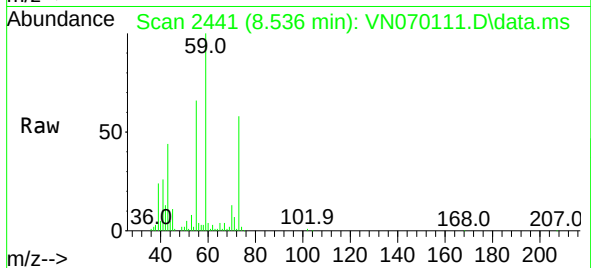
Tgt Ion: 117 Resp: 117238
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



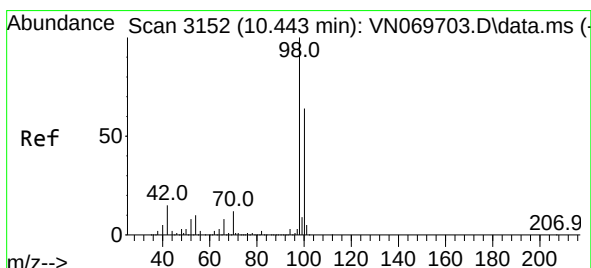
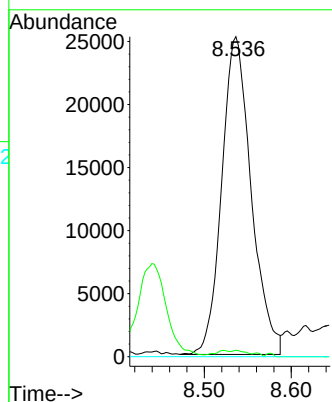
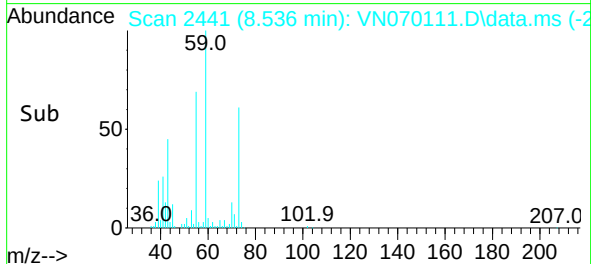


#43
Isopropyl Acetate
Concen: 1.288 ug/l
RT: 8.536 min Scan# 2451
Delta R.T. -0.027 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

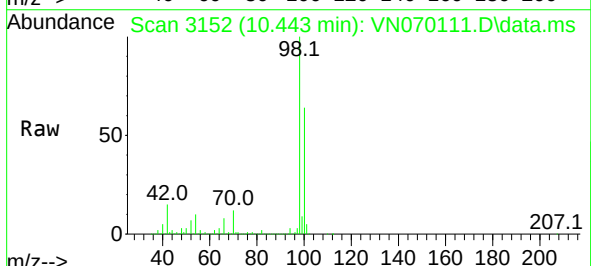
Instrument :
MSVOA_N
ClientSampleId :



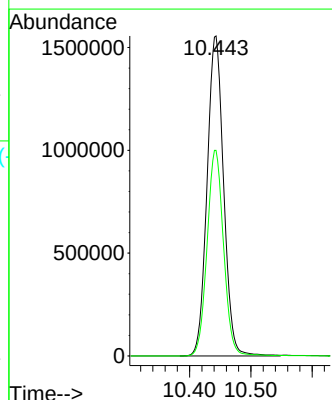
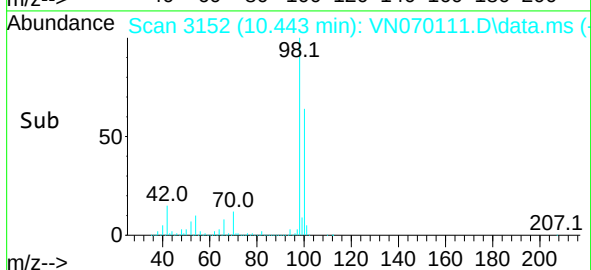
Tgt Ion: 43 Resp: 59345
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

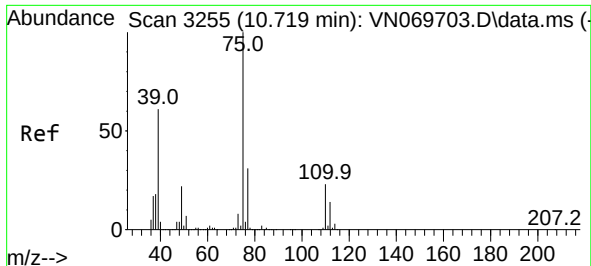


#50
Toluene-d8
Concen: 52.787 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02



Tgt Ion: 98 Resp: 2917693
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6

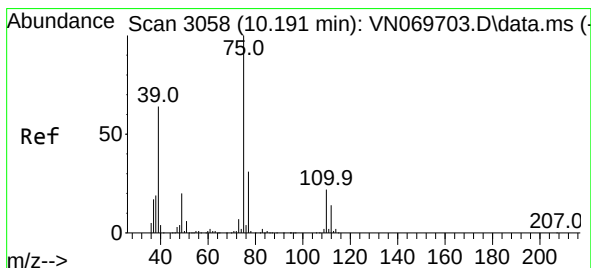
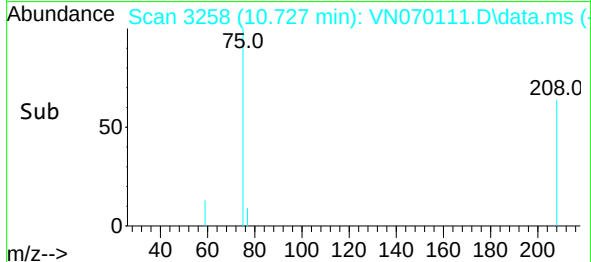
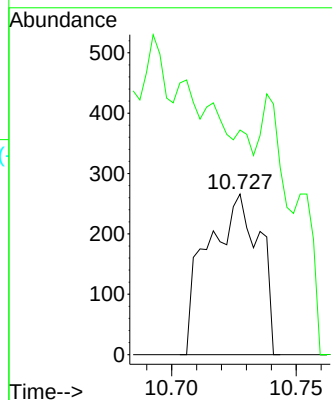
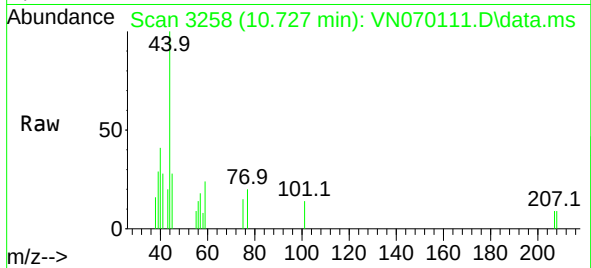




#53
 t-1,3-Dichloropropene
 Concen: 2.808 ug/l
 RT: 10.727 min Scan# 31
 Delta R.T. 0.008 min
 Lab File: VN070111.D
 Acq: 15 Dec 2021 15:02

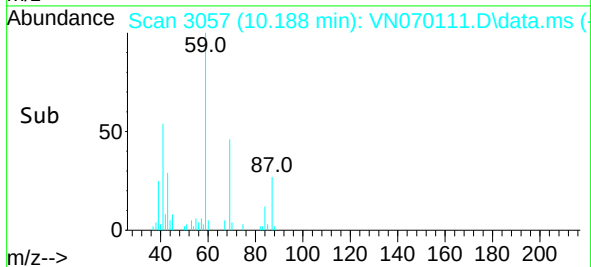
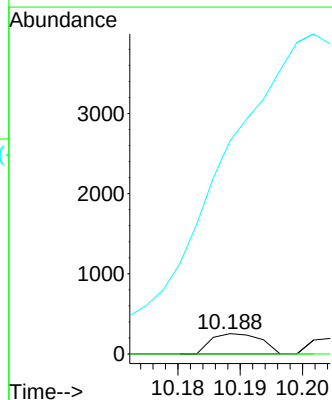
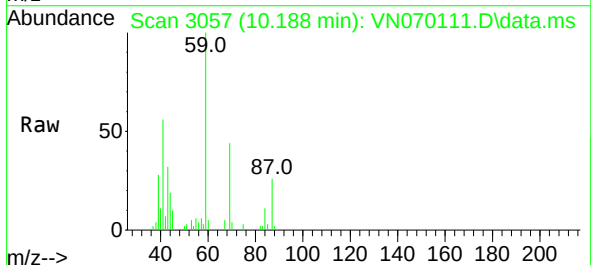
Instrument :
 MSVOA_N
 ClientSampleId :

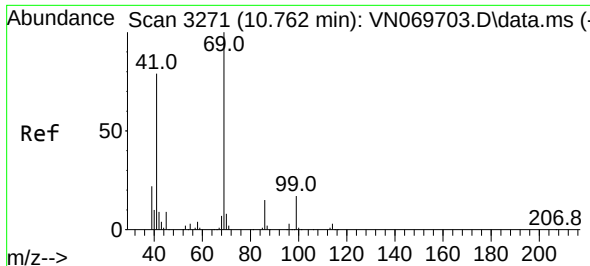
Tgt Ion: 75 Resp: 383
 Ion Ratio Lower Upper
 75 100
 77 23.3 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.004 ug/l
 RT: 10.188 min Scan# 3057
 Delta R.T. -0.003 min
 Lab File: VN070111.D
 Acq: 15 Dec 2021 15:02

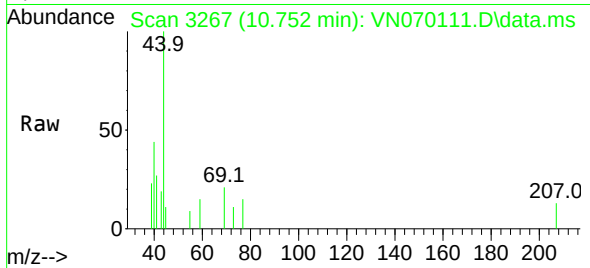
Tgt Ion: 75 Resp: 141
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 605.1 42.5 63.7#



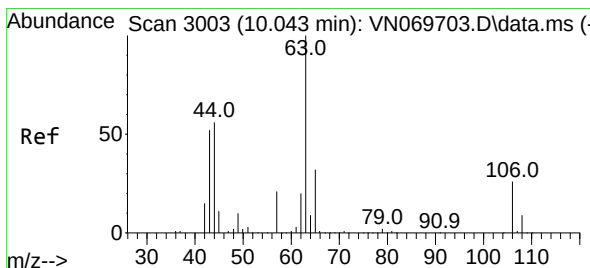
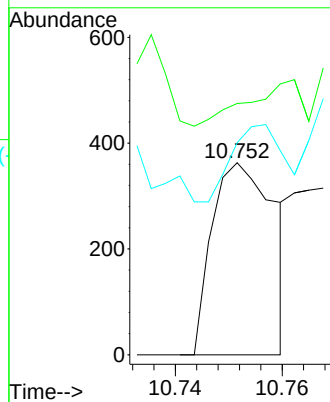
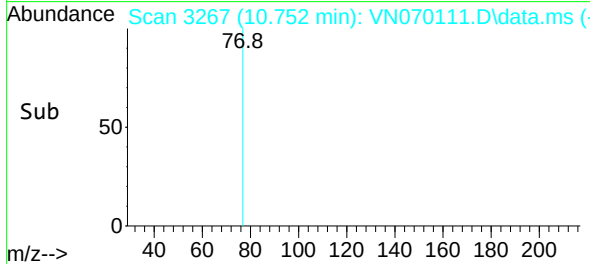


#56
Ethyl methacrylate
Concen: 2.289 ug/l
RT: 10.752 min Scan# 31
Delta R.T. -0.010 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Instrument :
MSVOA_N
ClientSampleId :

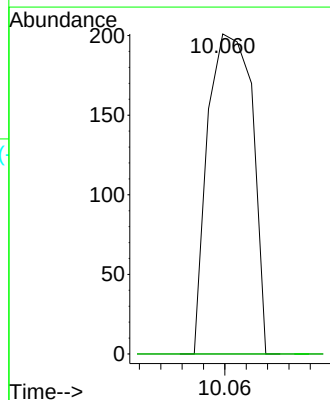
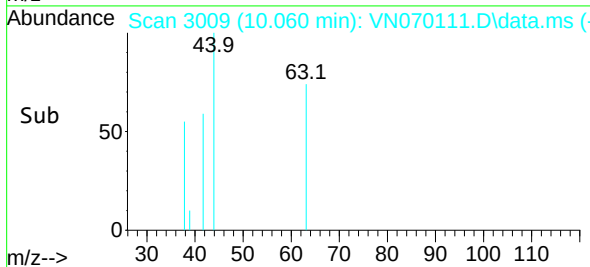
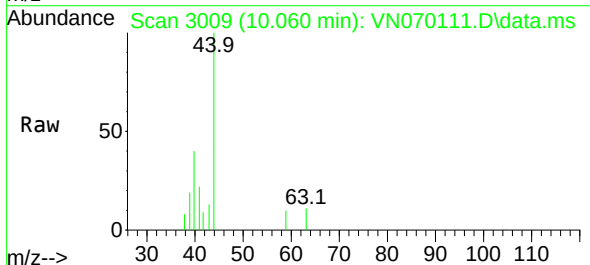


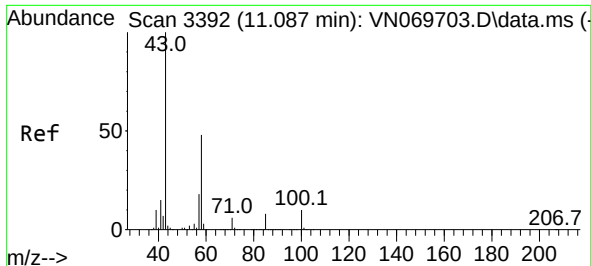
Tgt Ion: 69 Resp: 293
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.402 ug/l
RT: 10.060 min Scan# 3009
Delta R.T. 0.017 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Tgt Ion: 63 Resp: 116
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

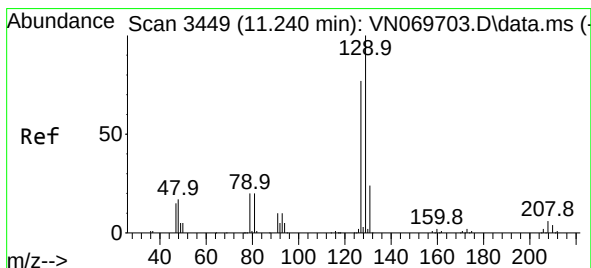
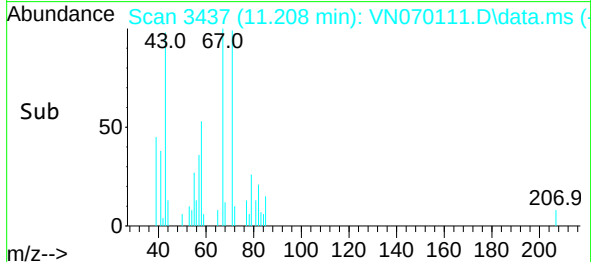
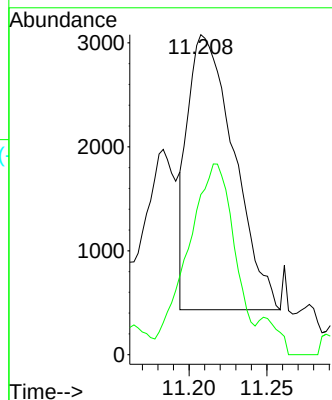
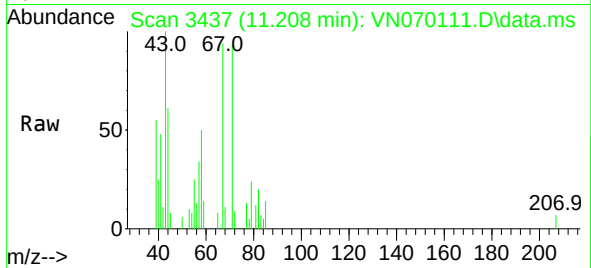




#59
2-Hexanone
Concen: 0.240 ug/l
RT: 11.208 min Scan# 3411
Delta R.T. 0.120 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

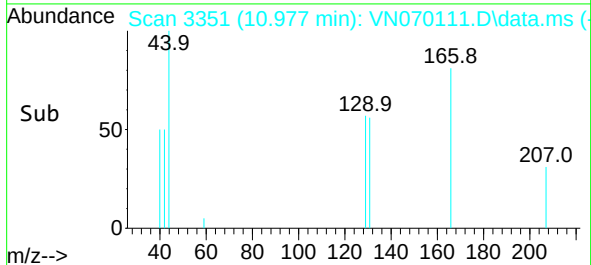
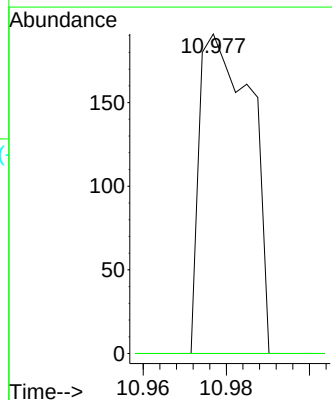
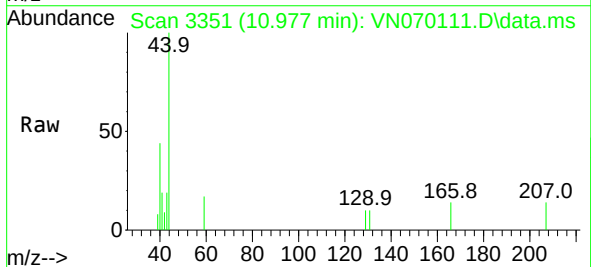
Instrument :
MSVOA_N
ClientSampleId :

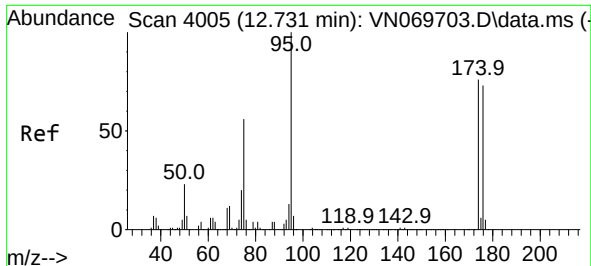
Tgt Ion: 43 Resp: 5437
Ion Ratio Lower Upper
43 100
58 60.2 26.9 80.7



#60
Dibromochloromethane
Concen: 2.385 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Tgt Ion: 129 Resp: 163
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

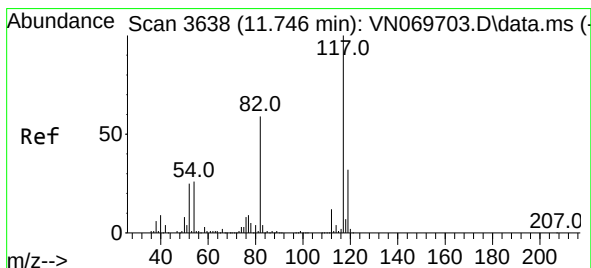
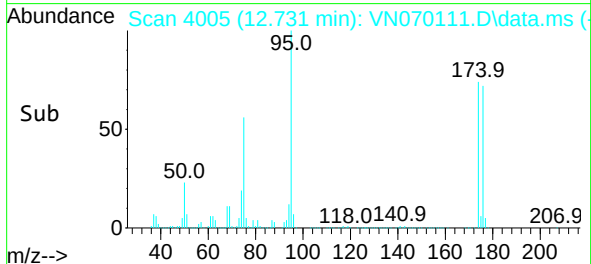
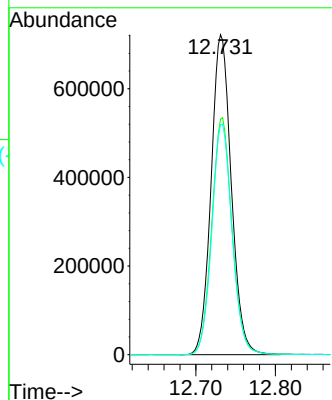
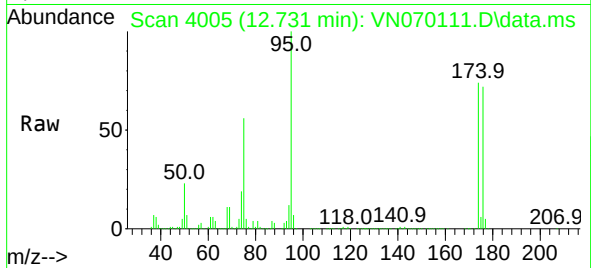




#62
4-Bromofluorobenzene
Concen: 63.667 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

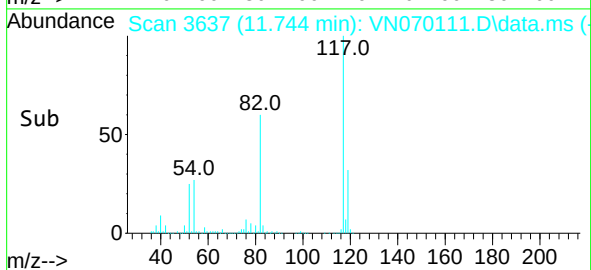
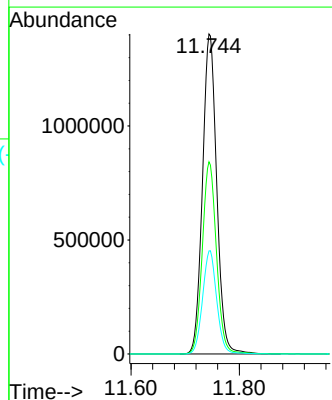
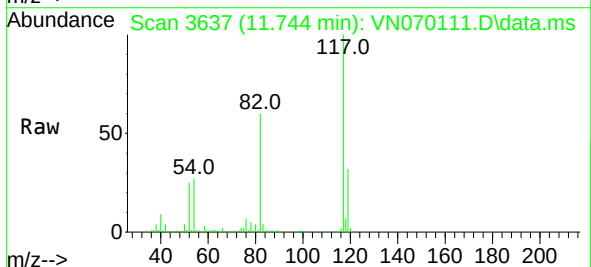
Instrument :
MSVOA_N
ClientSampleId :

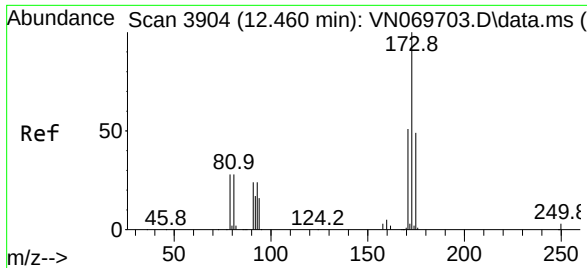
Tgt Ion: 95 Resp: 1274886
Ion Ratio Lower Upper
95 100
174 74.5 0.0 187.2
176 72.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Tgt Ion: 117 Resp: 2567496
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 32.2 25.4 38.2

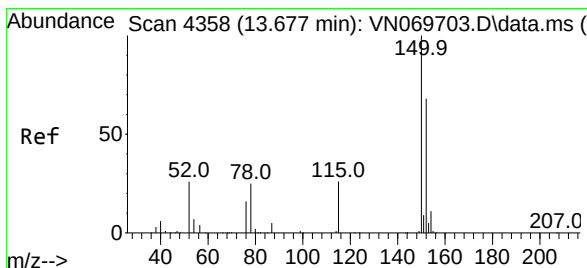
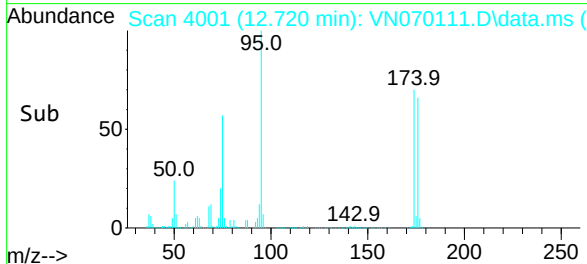
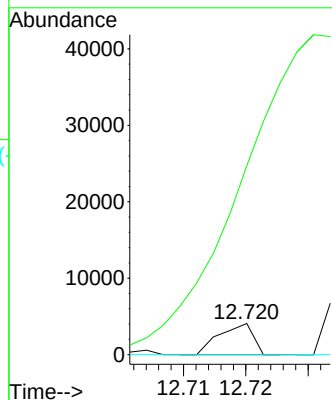
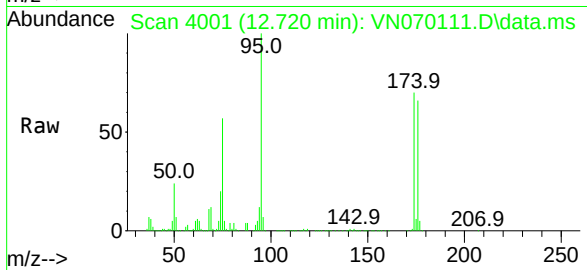




#71
Bromoform
Concen: 2.824 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

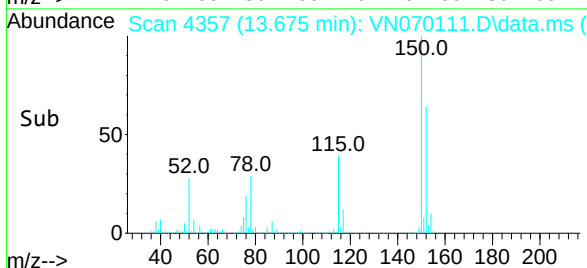
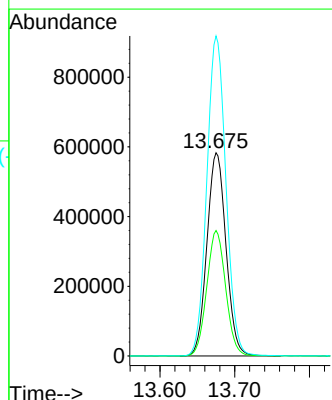
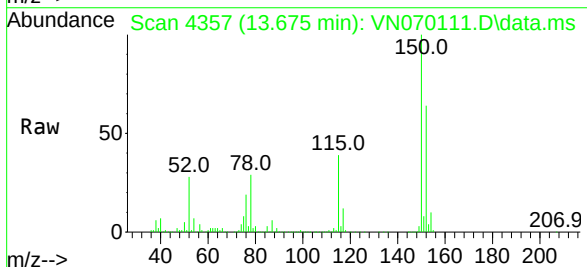
Instrument :
MSVOA_N
ClientSampleId :

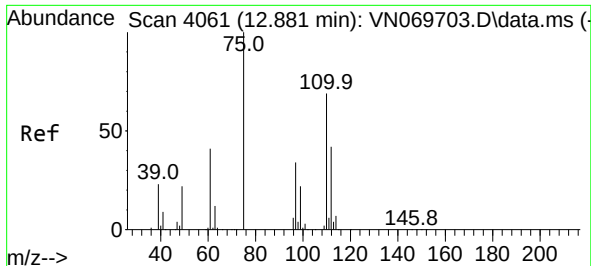
Tgt Ion:173 Resp: 1537
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

Tgt Ion:152 Resp: 1035474
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 157.3 0.0 344.4

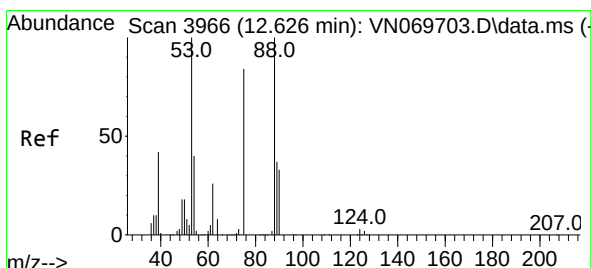
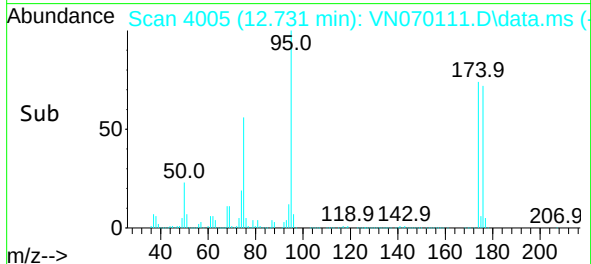
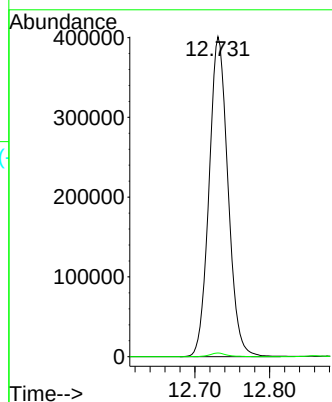
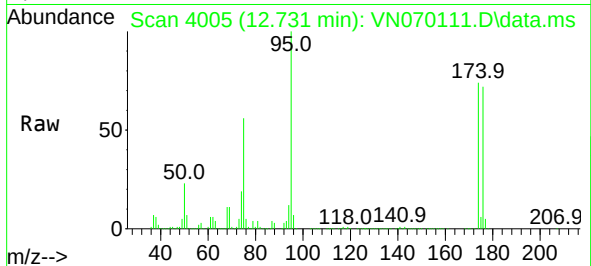




#76
1,2,3-Trichloropropane
Concen: 23.739 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

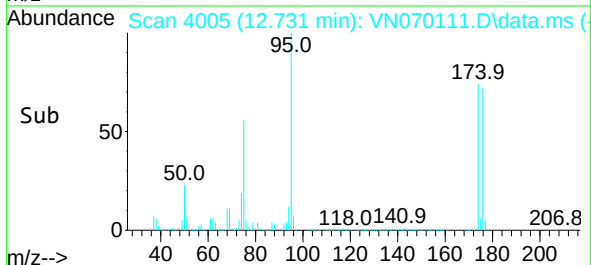
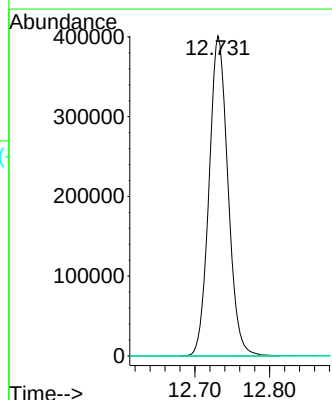
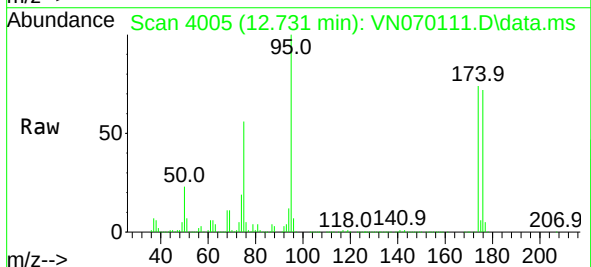
Instrument :
MSVOA_N
ClientSampleId :

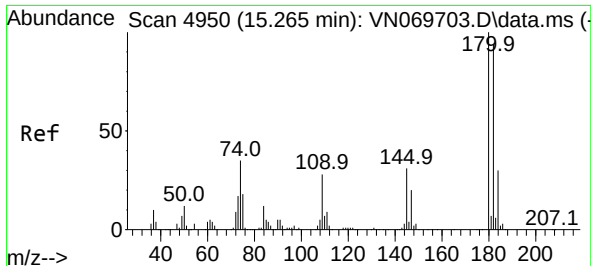
Tgt Ion: 75 Resp: 704916
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.444 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

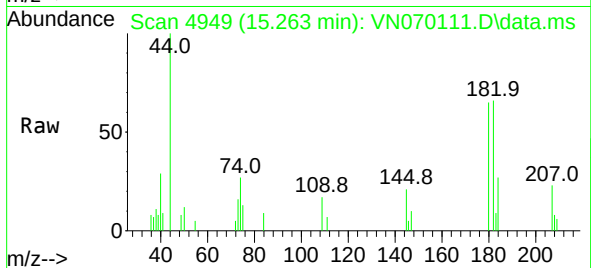
Tgt Ion: 75 Resp: 704916
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



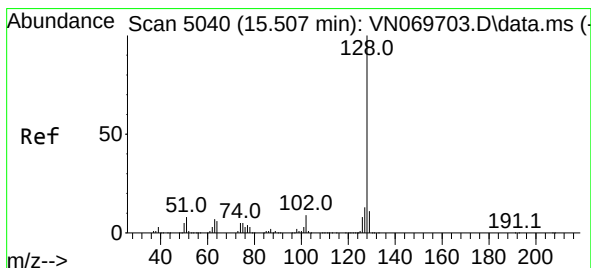
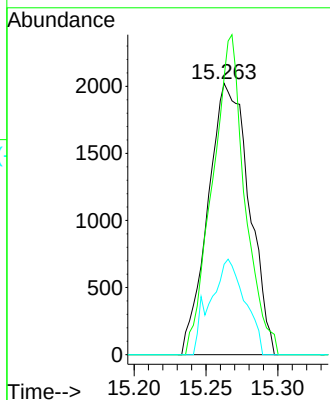
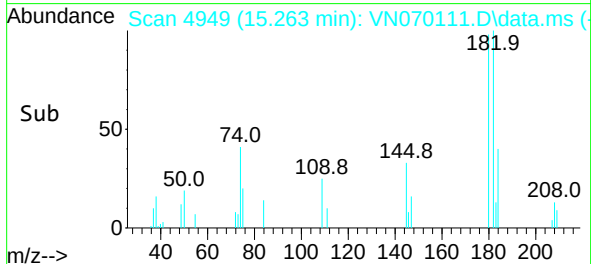


#93
1,2,4-Trichlorobenzene
Concen: 3.101 ug/l
RT: 15.263 min Scan# 4950
Delta R.T. -0.002 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02

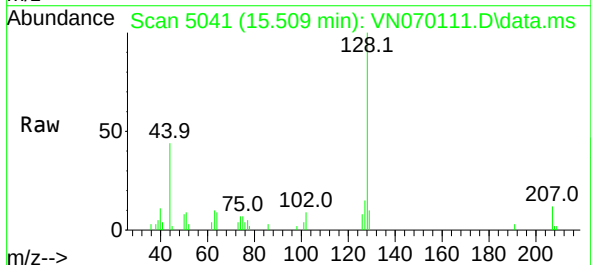
Instrument :
MSVOA_N
ClientSampleId :



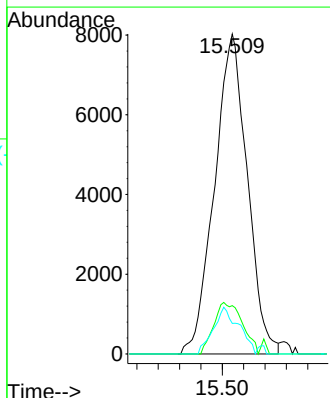
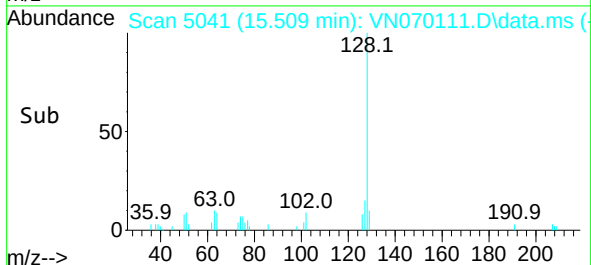
Tgt Ion:180 Resp: 4016
Ion Ratio Lower Upper
180 100
182 93.4 48.3 144.9
145 29.6 14.5 43.5

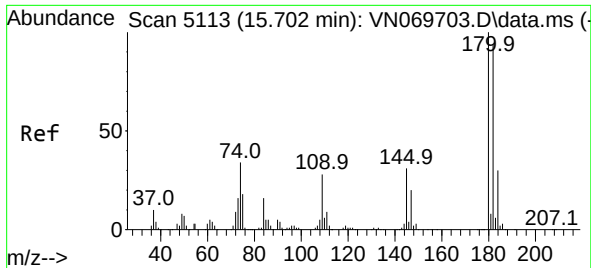


#95
Naphthalene
Concen: 4.296 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN070111.D
Acq: 15 Dec 2021 15:02



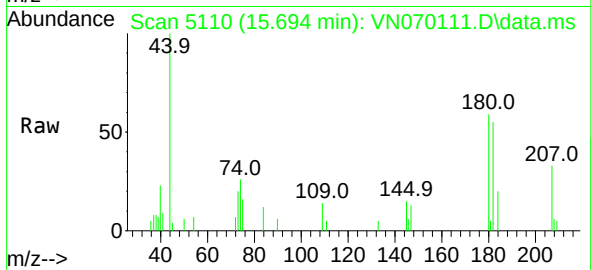
Tgt Ion:128 Resp: 17080
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 11.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.559 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: VN070111.D
 Acq: 15 Dec 2021 15:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180	Resp:	2150
Ion	Ratio	Lower Upper
180	100	
182	202.7	47.4 142.2#
145	34.2	15.0 45.1

