

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
 Data File : VN070145.D
 Acq On : 16 Dec 2021 18:23
 Operator : JC/MD
 Sample : M5073-04ME
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 17 01:02:05 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)

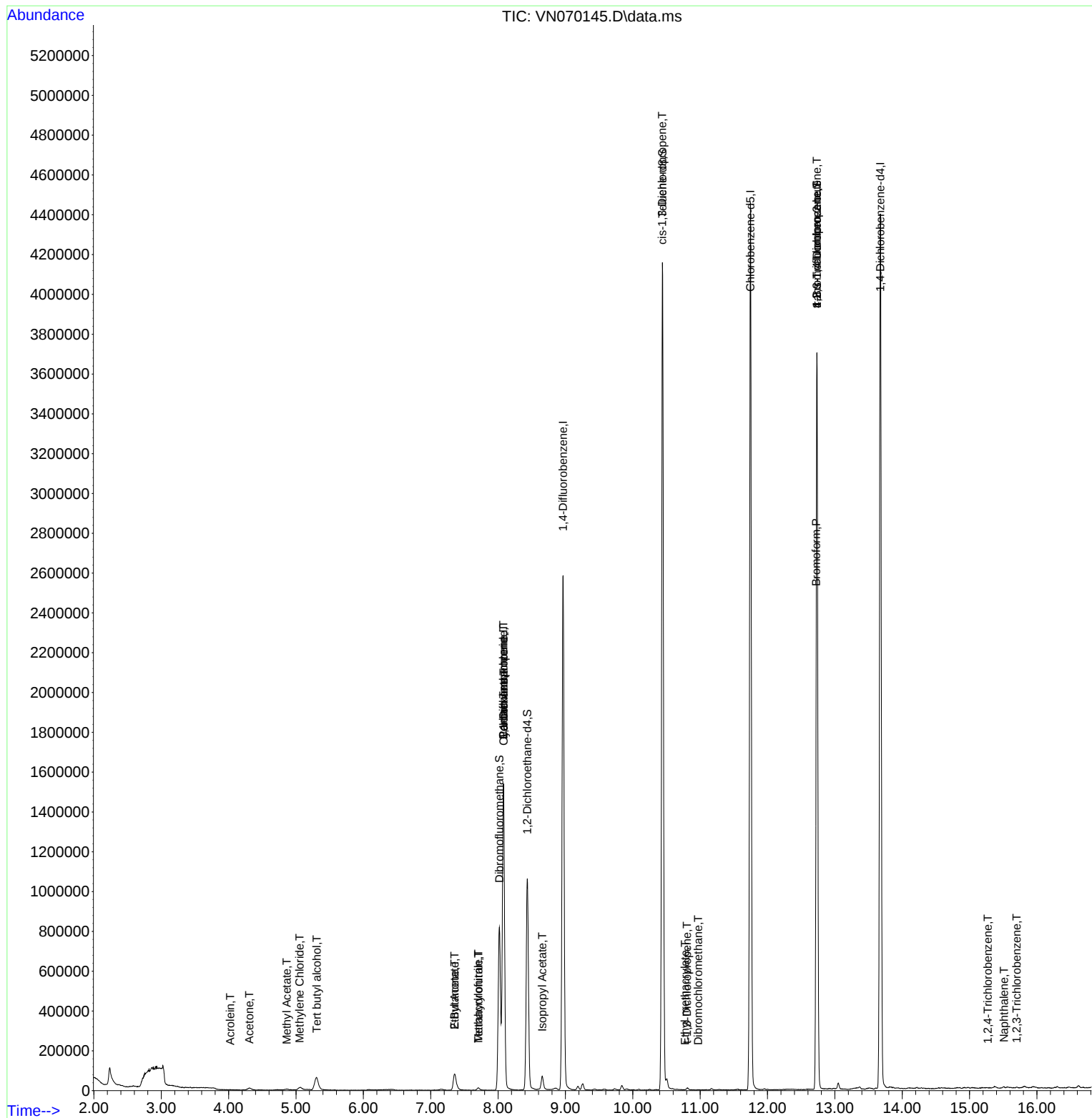
Internal Standards						
1) Pentafluorobenzene	8.080	168	1156569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2203185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2420933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1166193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	930331	52.098	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.200%	
35) Dibromofluoromethane	8.019	113	602226	43.639	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 87.280%	
50) Toluene-d8	10.440	98	2817740	50.850	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.700%	
62) 4-Bromofluorobenzene	12.733	95	1275721	63.548	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 127.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.307	59	70673	20.937	ug/l #	72
13) Acrolein	4.025	56	686	0.239	ug/l #	72
16) Acetone	4.309	43	8005	0.745	ug/l	98
18) Methyl Acetate	4.862	43	6712	0.207	ug/l #	68
20) Methylene Chloride	5.055	84	9405	0.659	ug/l	95
25) 2-Butanone	7.353	43	160100	10.969	ug/l	91
29) Tetrahydrofuran	7.707	42	10307	1.163	ug/l #	71
31) Cyclohexane	8.083	56	28456	1.145	ug/l #	29
36) 1,1-Dichloropropene	8.080	75	97781	4.662	ug/l #	49
37) Ethyl Acetate	7.353	43	160100	5.129	ug/l #	68
38) Carbon Tetrachloride	8.080	117	117846	5.730	ug/l #	16
41) Methacrylonitrile	7.707	41	5591	0.382	ug/l #	43
43) Isopropyl Acetate	8.657	43	33880	0.733	ug/l #	56
53) t-1,3-Dichloropropene	10.805	75	52	2.796	ug/l #	67
54) cis-1,3-Dichloropropene	10.438	75	387	2.012	ug/l #	1
56) Ethyl methacrylate	10.776	69	158	2.284	ug/l #	1
60) Dibromochloromethane	10.969	129	116	2.383	ug/l #	11
71) Bromoform	12.723	173	1981	2.858	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	700793	20.954	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	700793	67.072	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	617	2.908	ug/l #	78
95) Naphthalene	15.512	128	8007	4.114	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.700	180	563	2.464	ug/l #	68

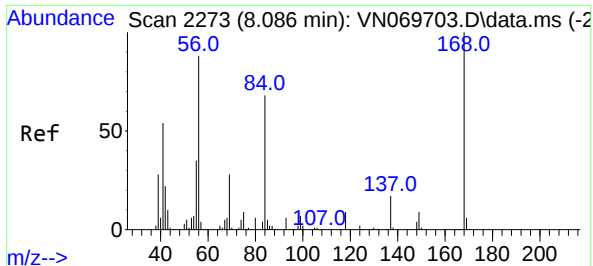
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN070145.D
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

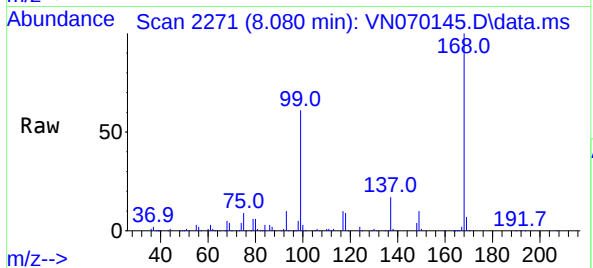
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Quant Title : SW846 8260
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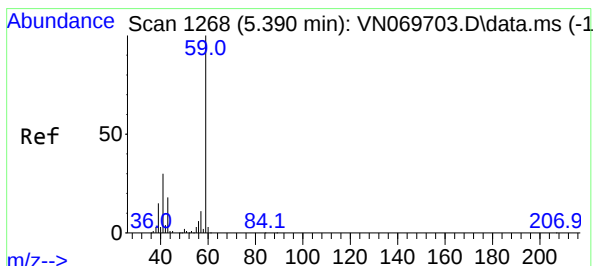
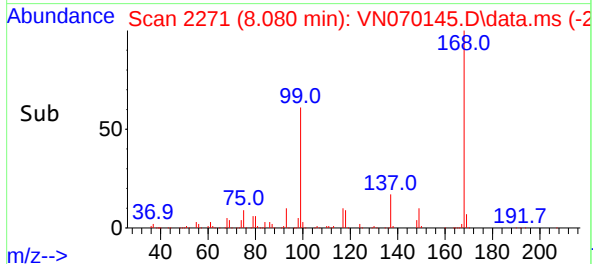
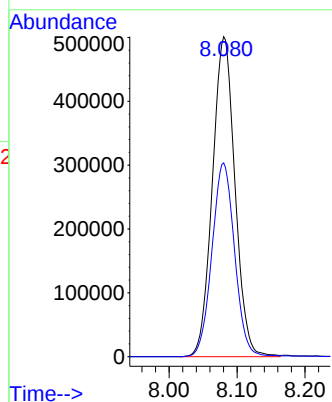


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

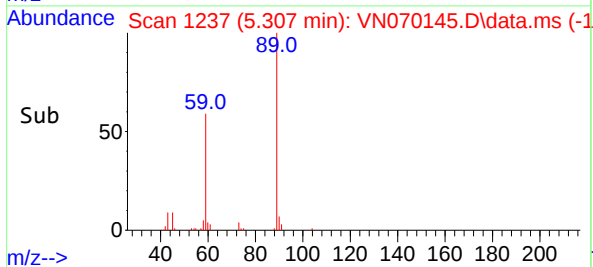
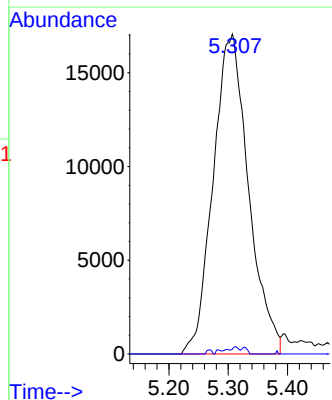
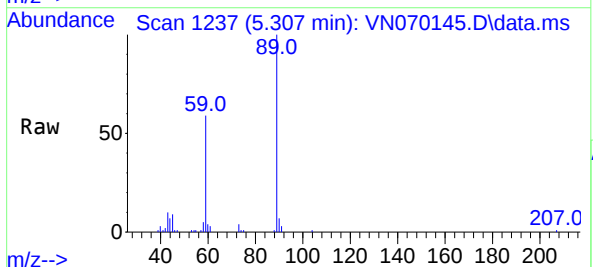


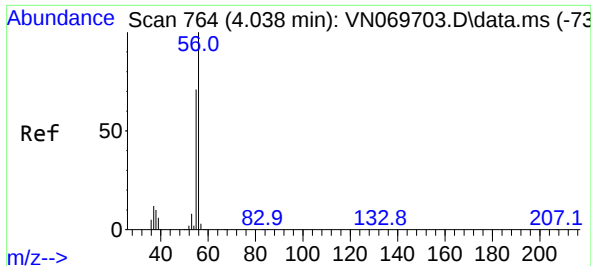
Tgt Ion:168 Resp: 1156569
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#11
Tert butyl alcohol
Concen: 20.937 ug/l
RT: 5.307 min Scan# 1237
Delta R.T. -0.083 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Tgt Ion: 59 Resp: 70673
Ion Ratio Lower Upper
59 100
57 0.4 8.7 13.1#

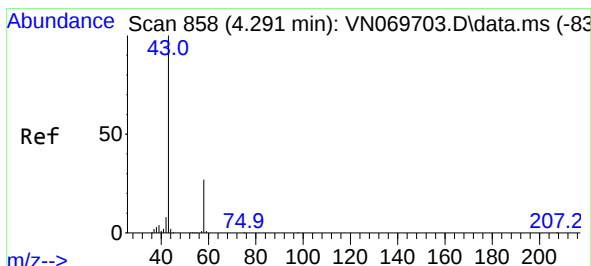
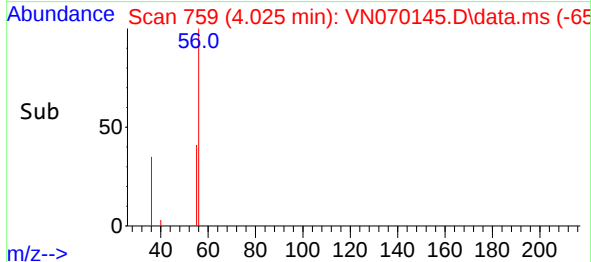
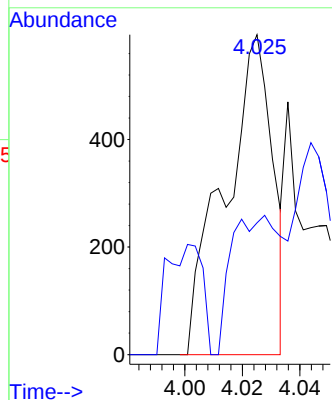
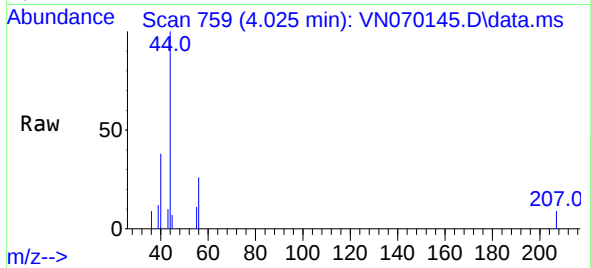




#13
Acrolein
Concen: 0.239 ug/l
RT: 4.025 min Scan# 713
Delta R.T. -0.013 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

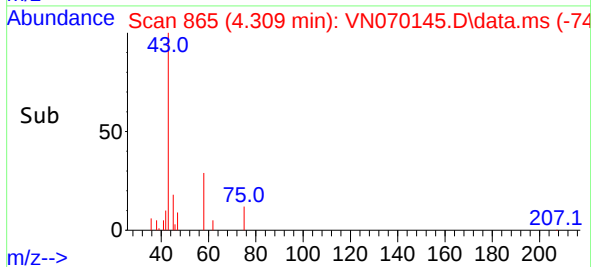
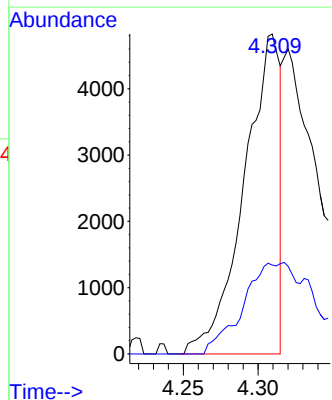
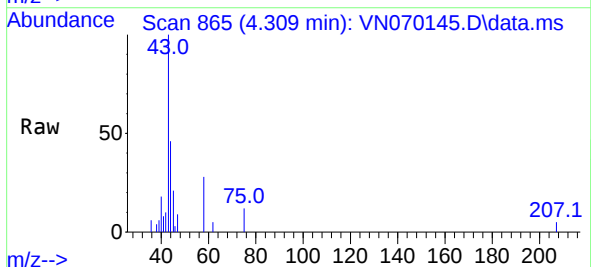
Instrument :
MSVOA_N
ClientSampleId :

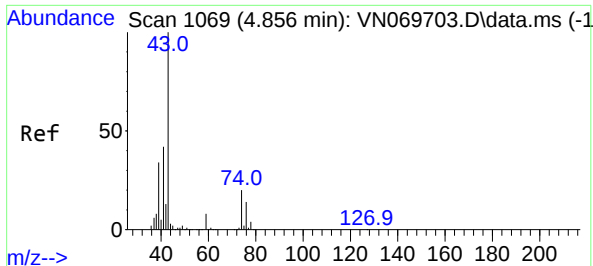
Tgt Ion: 56 Resp: 686
Ion Ratio Lower Upper
56 100
55 47.5 56.6 85.0#



#16
Acetone
Concen: 0.745 ug/l
RT: 4.309 min Scan# 865
Delta R.T. 0.019 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Tgt Ion: 43 Resp: 8005
Ion Ratio Lower Upper
43 100
58 27.8 23.1 34.7

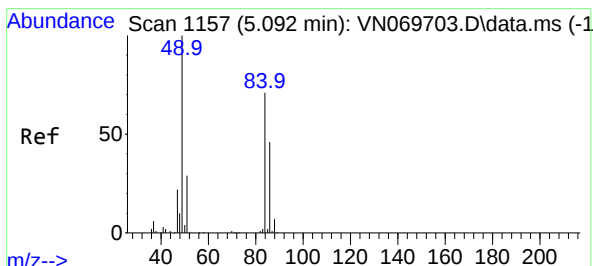
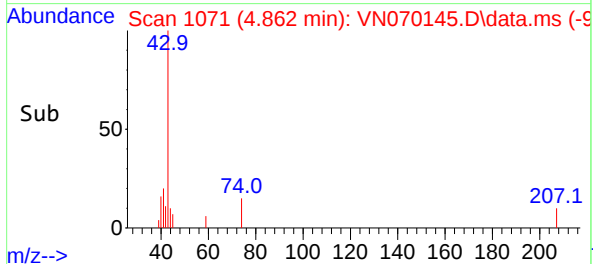
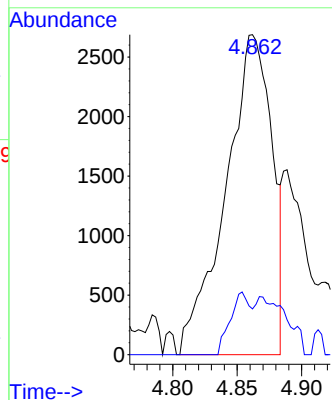
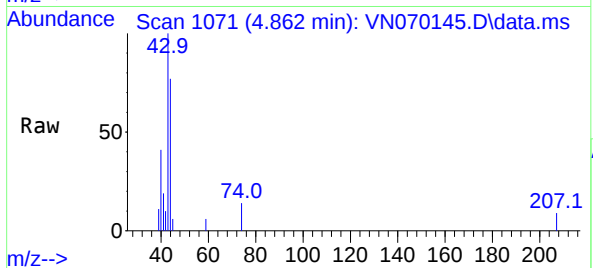




#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 4.862 min Scan# 1143
Delta R.T. 0.005 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

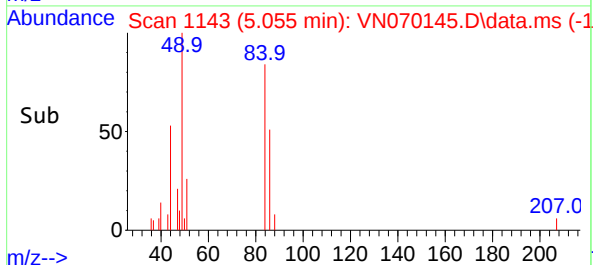
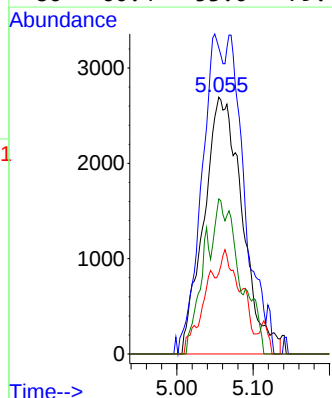
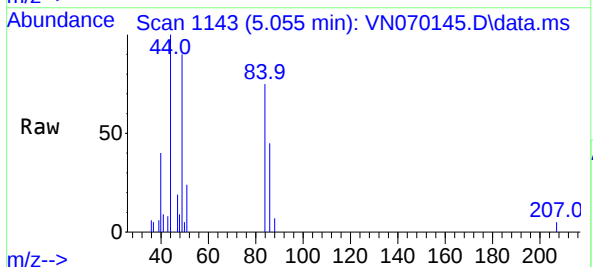
Instrument :
MSVOA_N
ClientSampleId :

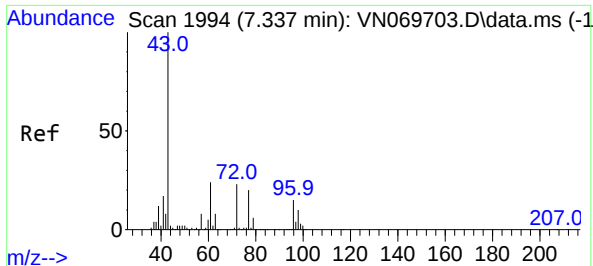
Tgt Ion: 43 Resp: 6712
Ion Ratio Lower Upper
43 100
74 8.6 19.4 29.2#



#20
Methylene Chloride
Concen: 0.659 ug/l
RT: 5.055 min Scan# 1143
Delta R.T. -0.037 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

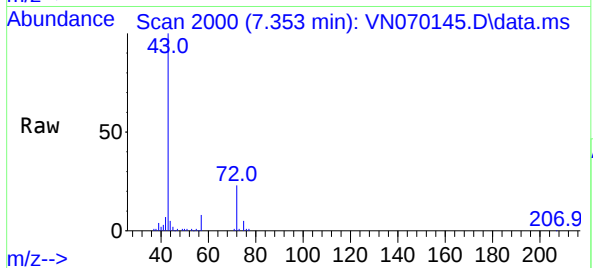
Tgt Ion: 84 Resp: 9405
Ion Ratio Lower Upper
84 100
49 119.3 93.5 140.3
51 31.4 29.4 44.2
86 60.4 53.0 79.4



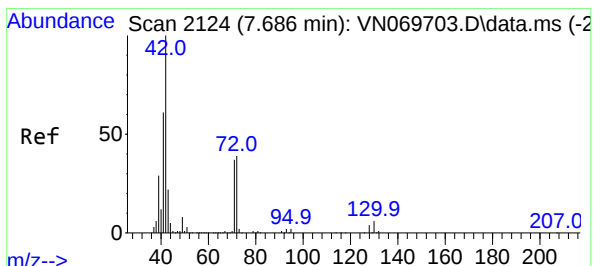
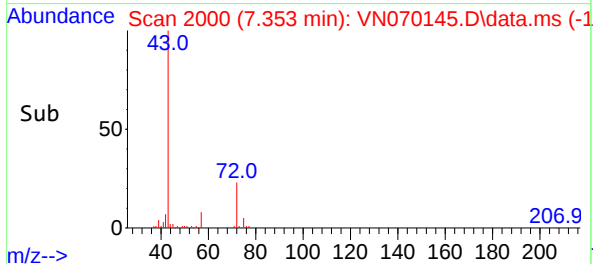
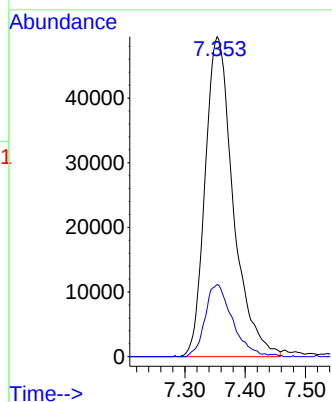


#25
2-Butanone
Concen: 10.969 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.016 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

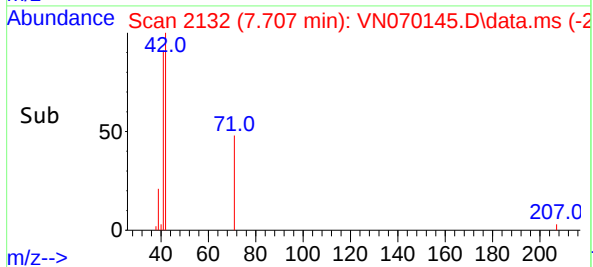
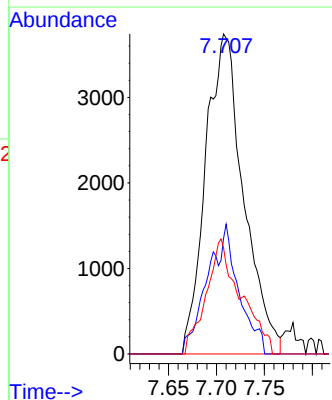
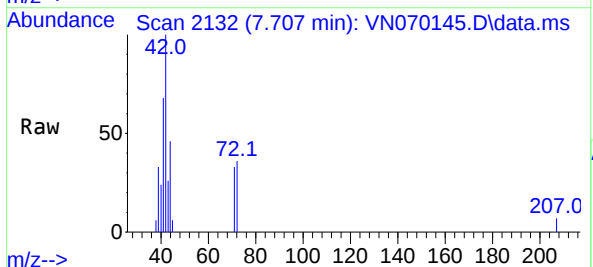


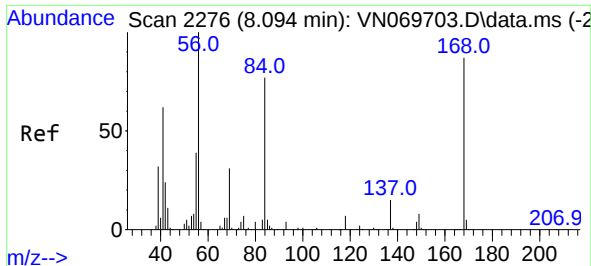
Tgt Ion: 43 Resp: 160100
Ion Ratio Lower Upper
43 100
72 22.6 21.7 32.5



#29
Tetrahydrofuran
Concen: 1.163 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.022 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

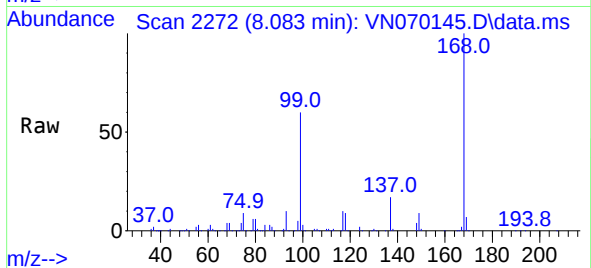
Tgt Ion: 42 Resp: 10307
Ion Ratio Lower Upper
42 100
72 19.0 36.3 54.5#
71 32.7 34.7 52.1#



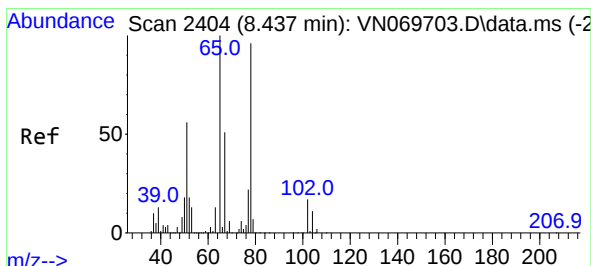
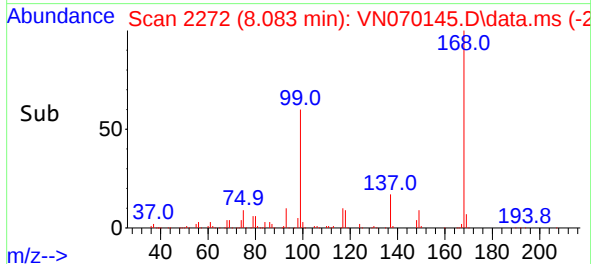
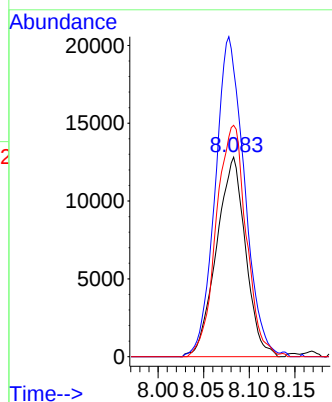


#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

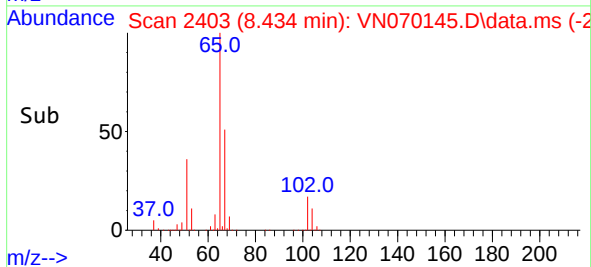
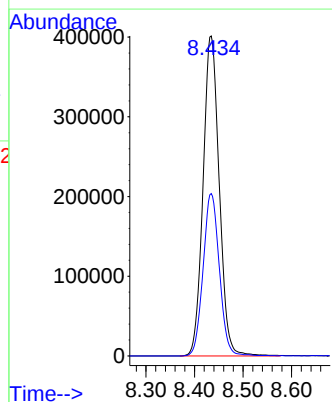
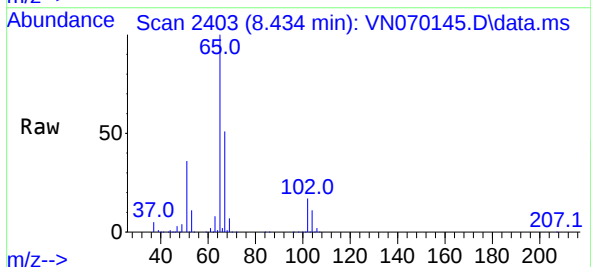


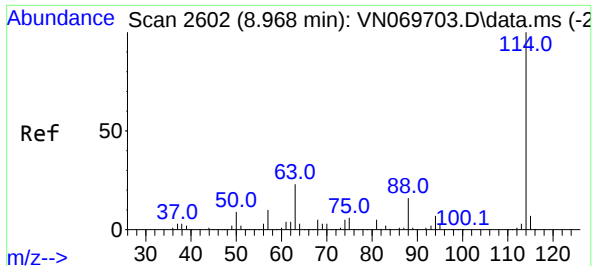
Tgt Ion: 56 Resp: 28456
Ion Ratio Lower Upper
56 100
69 144.0 27.1 40.7#
84 116.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.098 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.003 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Tgt Ion: 65 Resp: 930331
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN070145.D

Acq: 16 Dec 2021 18:23

Instrument :

MSVOA_N

ClientSampleId :

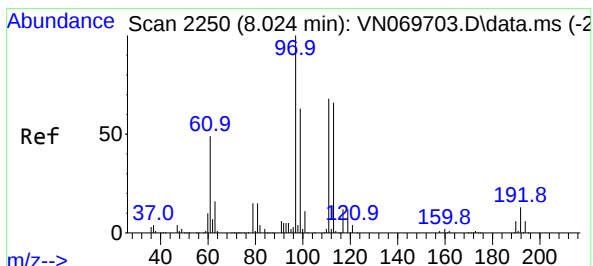
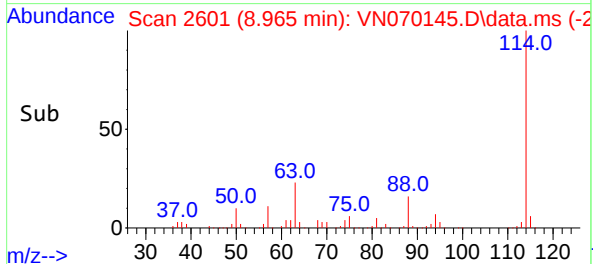
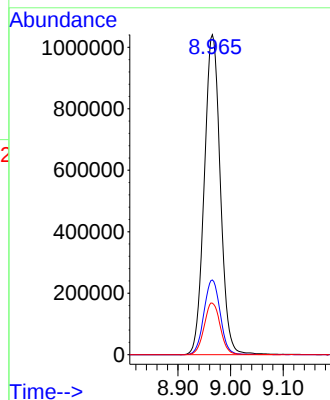
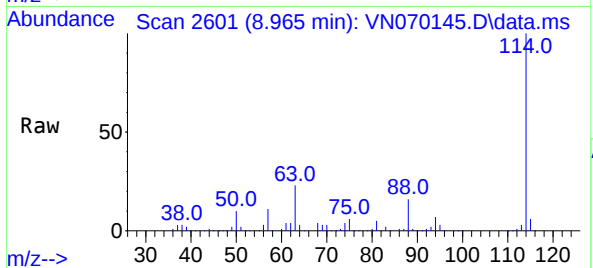
Tgt Ion:114 Resp: 2203185

Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 43.639 ug/l

RT: 8.019 min Scan# 2248

Delta R.T. -0.005 min

Lab File: VN070145.D

Acq: 16 Dec 2021 18:23

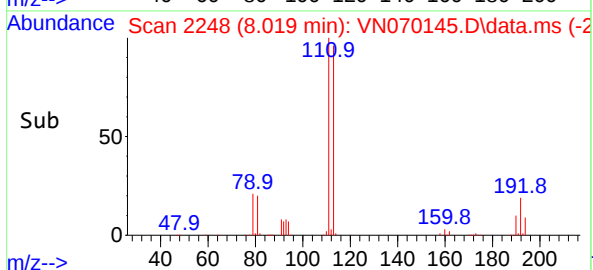
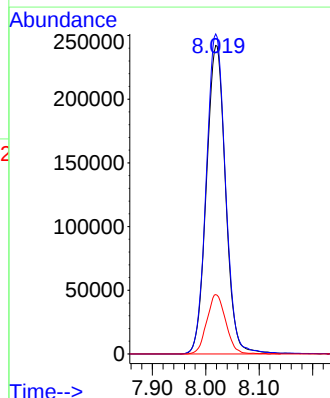
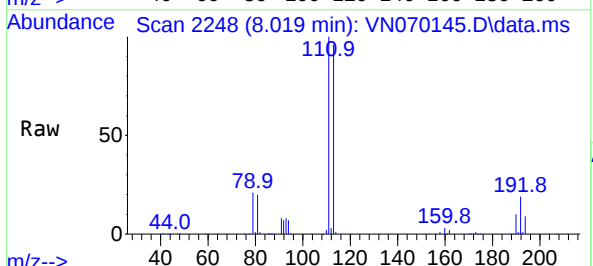
Tgt Ion:113 Resp: 602226

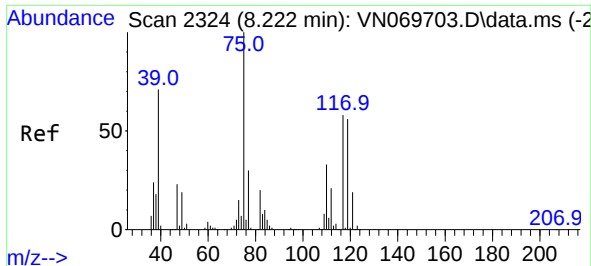
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

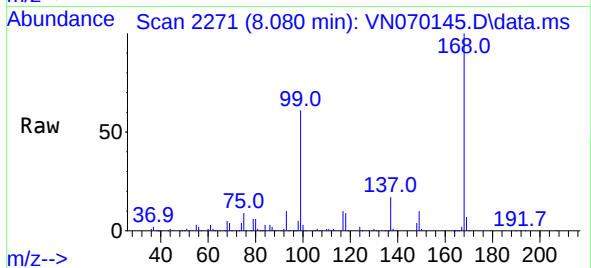
192 19.0 16.9 25.3



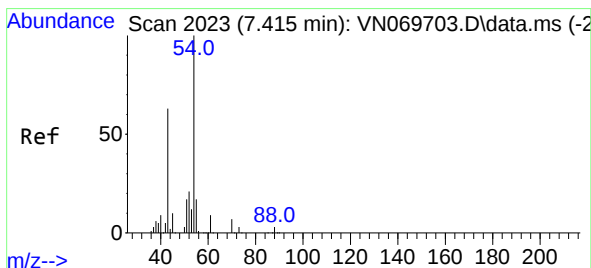
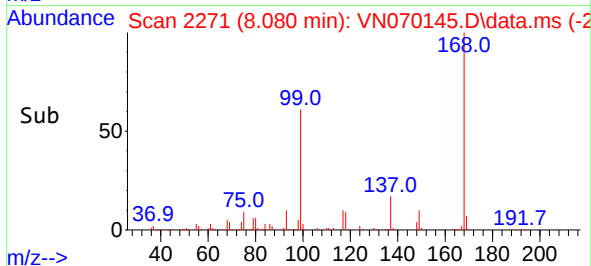
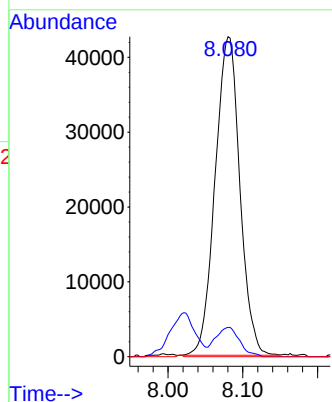


#36
1,1-Dichloropropene
Concen: 4.662 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.142 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

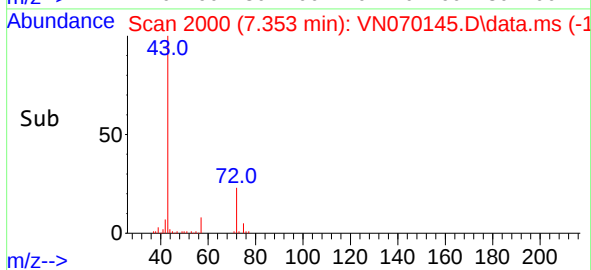
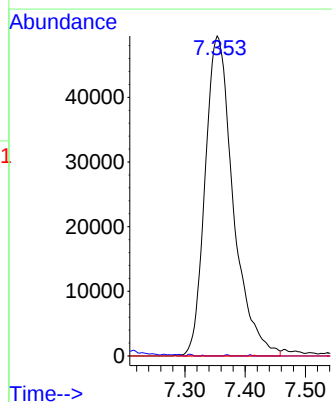
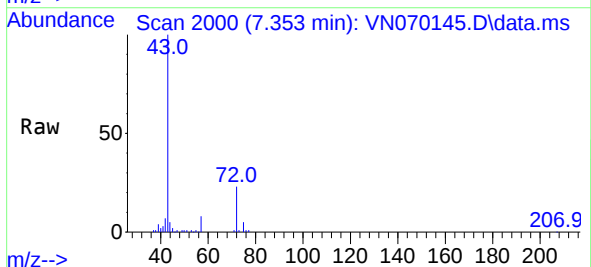


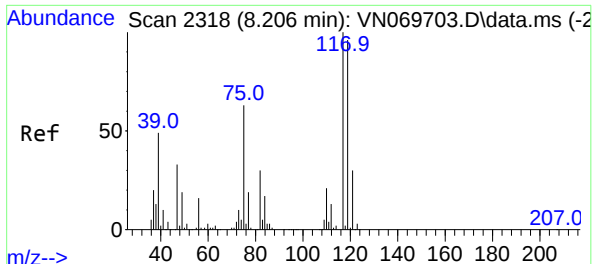
Tgt Ion: 75 Resp: 97781
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.129 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. -0.062 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

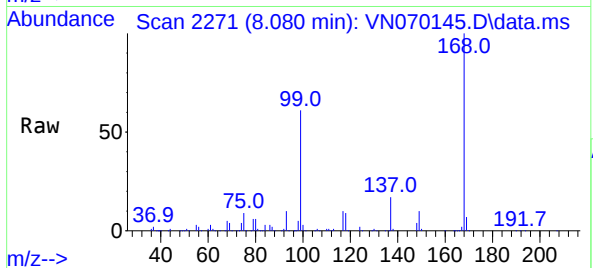
Tgt Ion: 43 Resp: 160100
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



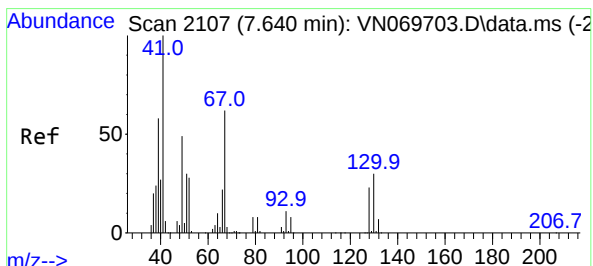
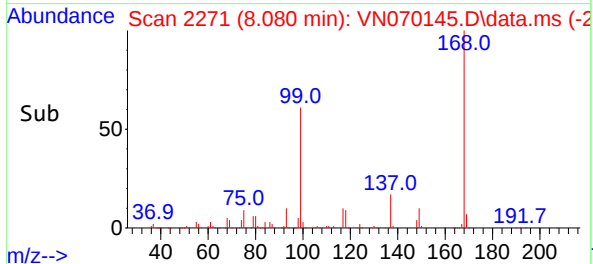
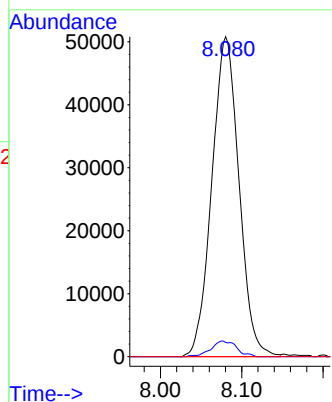


#38
Carbon Tetrachloride
Concen: 5.730 ug/l
RT: 8.080 min Scan# 2117
Delta R.T. -0.126 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

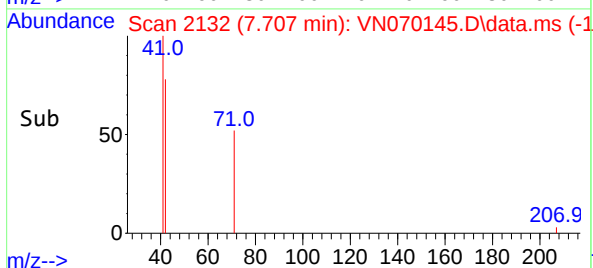
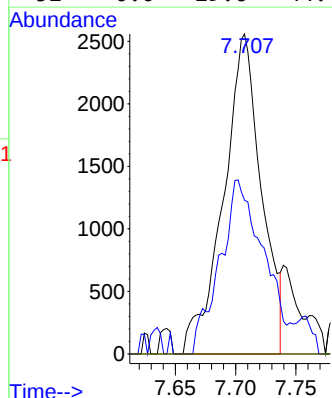
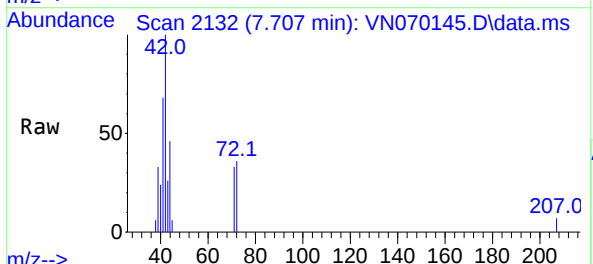


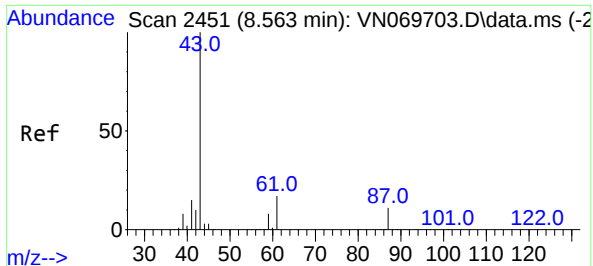
Tgt Ion:117 Resp: 117846
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.382 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.067 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Tgt Ion: 41 Resp: 5591
Ion Ratio Lower Upper
41 100
39 62.7 48.1 72.1
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#

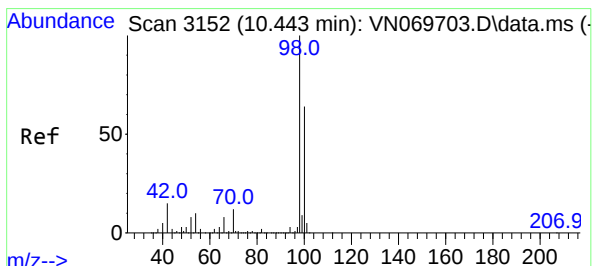
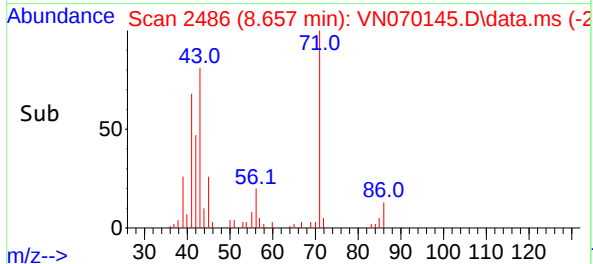
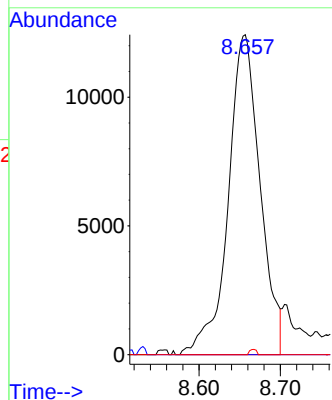
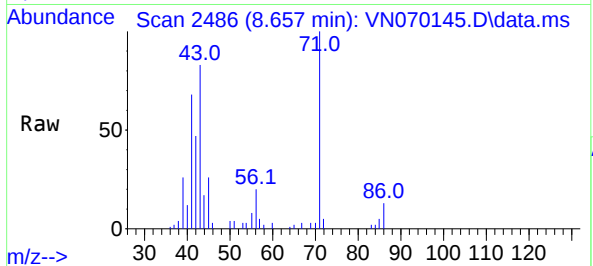




#43
Isopropyl Acetate
Concen: 0.733 ug/l
RT: 8.657 min Scan# 2451
Delta R.T. 0.094 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

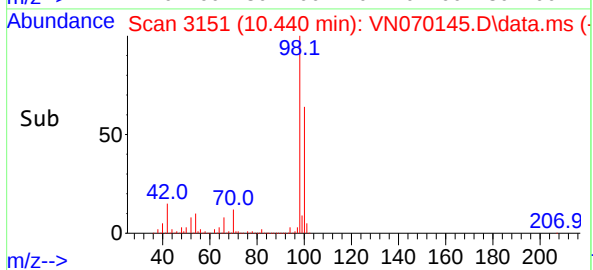
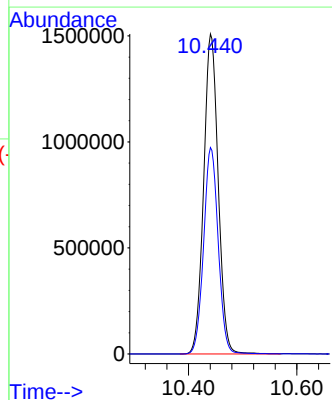
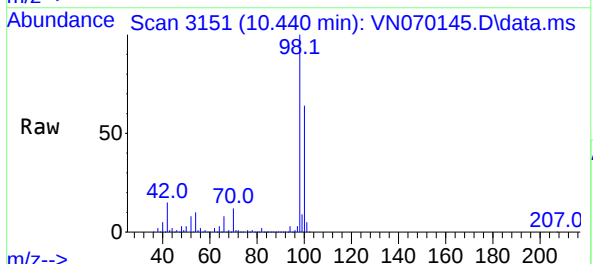
Instrument :
MSVOA_N
ClientSampleId :

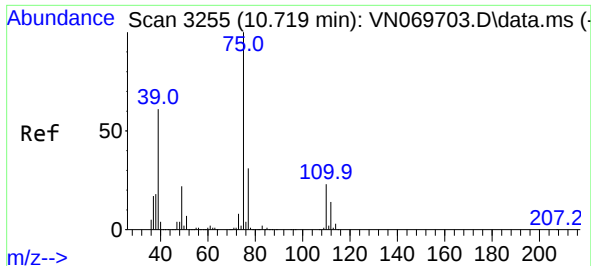
Tgt Ion: 43 Resp: 33880
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.3 11.2 16.8#



#50
Toluene-d8
Concen: 50.850 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

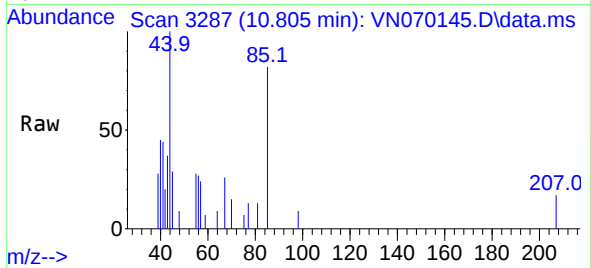
Tgt Ion: 98 Resp: 2817740
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



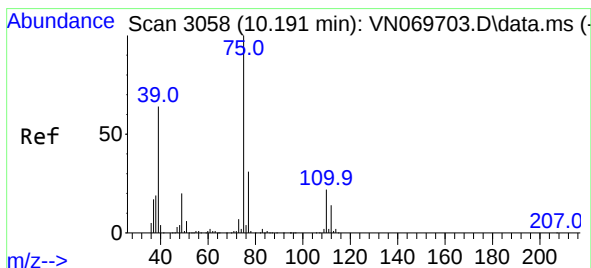
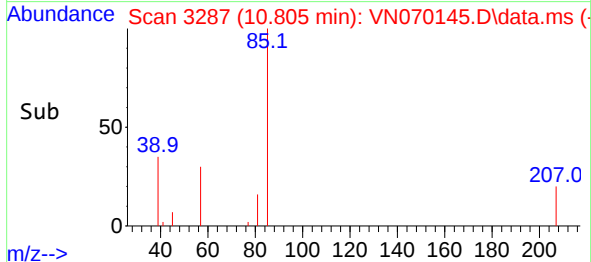
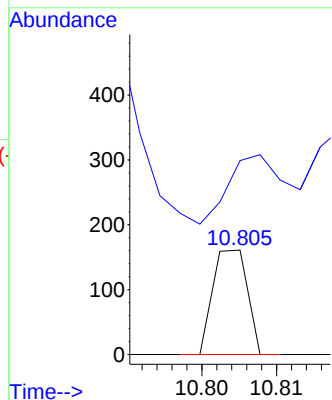


#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.805 min Scan# 3150
Delta R.T. 0.086 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

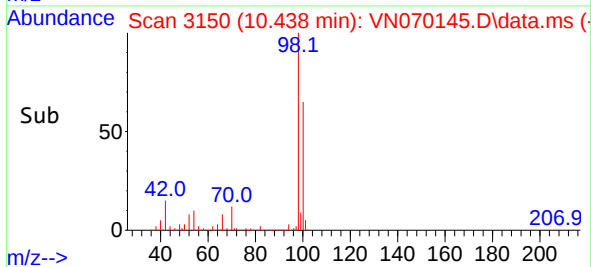
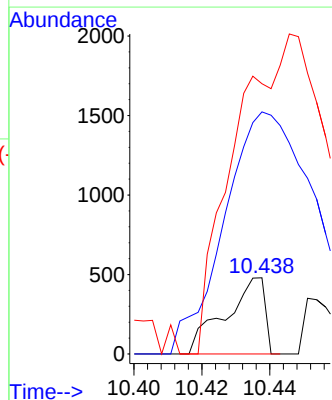
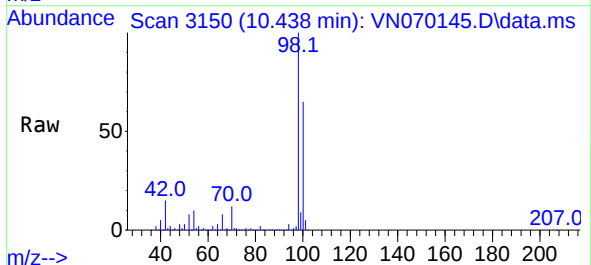


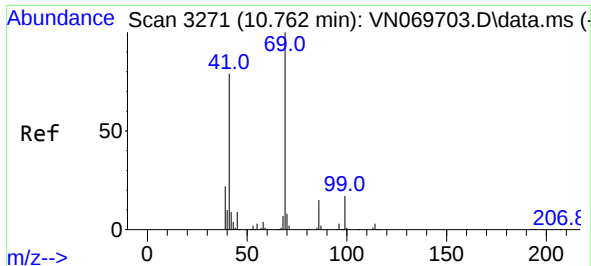
Tgt Ion: 75 Resp: 52
Ion Ratio Lower Upper
75 100
77 50.3 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.012 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.247 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

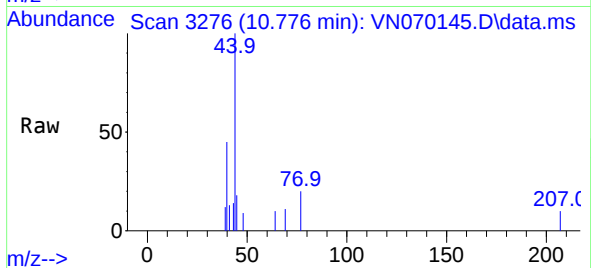
Tgt Ion: 75 Resp: 387
Ion Ratio Lower Upper
75 100
77 274.5 26.4 39.6#
39 354.9 42.5 63.7#



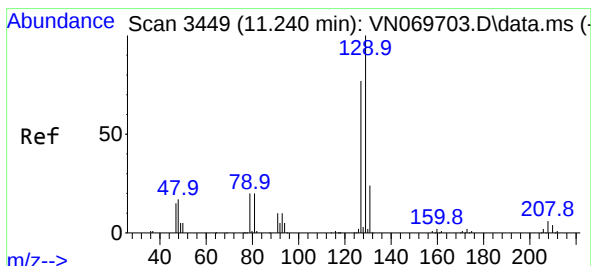
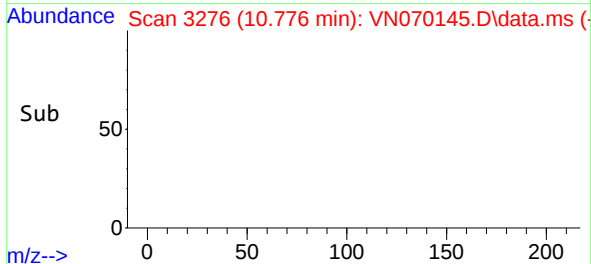
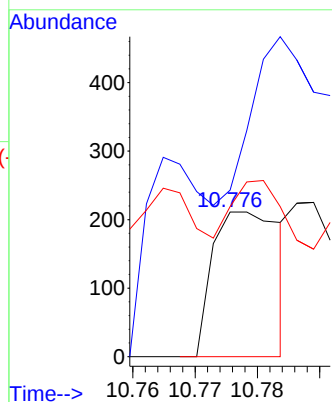


#56
Ethyl methacrylate
Concen: 2.284 ug/l
RT: 10.776 min Scan# 31
Delta R.T. 0.014 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

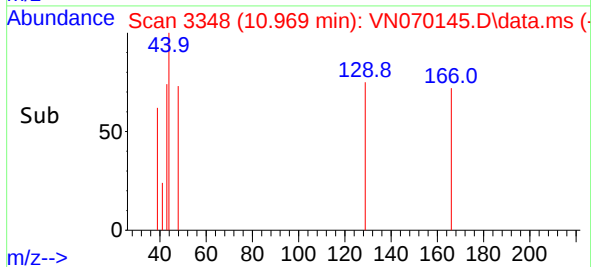
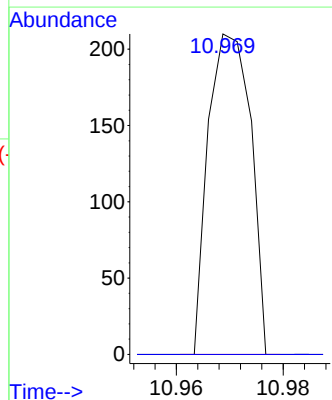
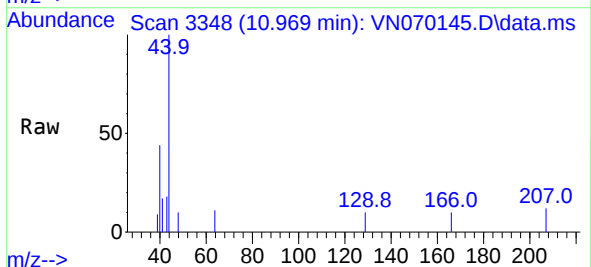


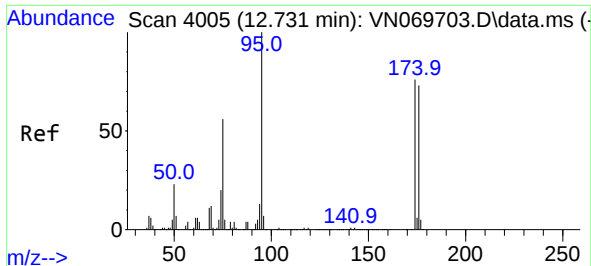
Tgt Ion: 69 Resp: 158
Ion Ratio Lower Upper
69 100
41 173.4 51.4 77.0#
39 142.4 34.6 52.0#



#60
Dibromochloromethane
Concen: 2.383 ug/l
RT: 10.969 min Scan# 3348
Delta R.T. -0.271 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Tgt Ion: 129 Resp: 116
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

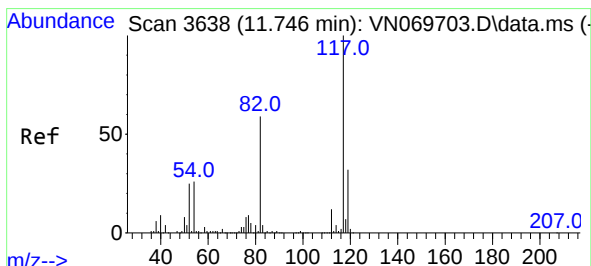
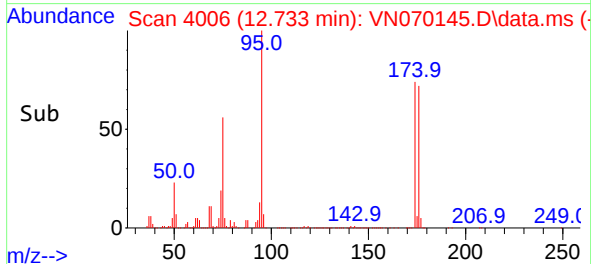
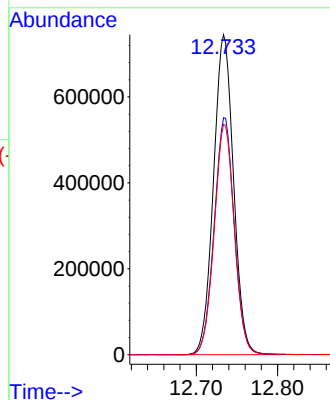
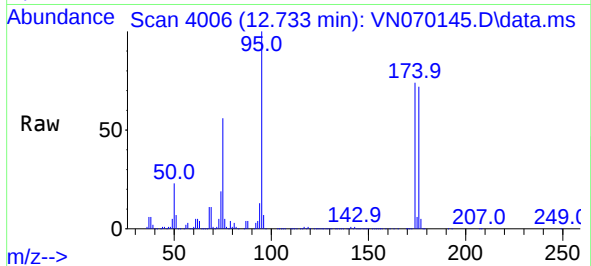




#62
4-Bromofluorobenzene
Concen: 63.548 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

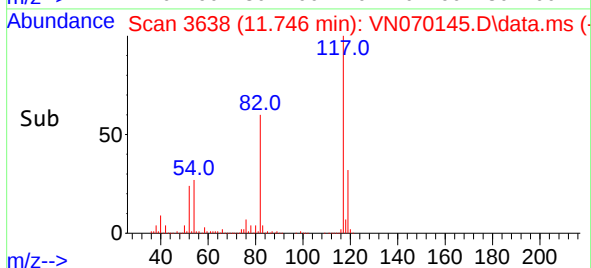
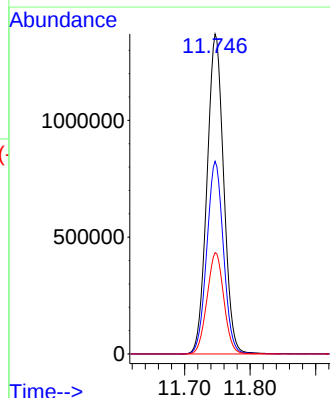
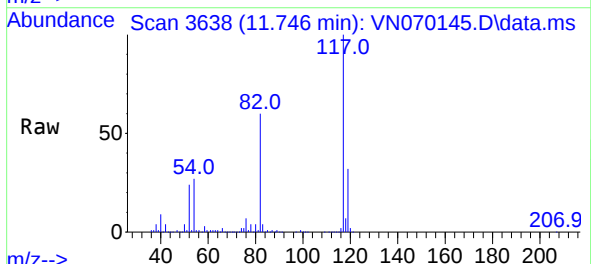
Instrument :
MSVOA_N
ClientSampleId :

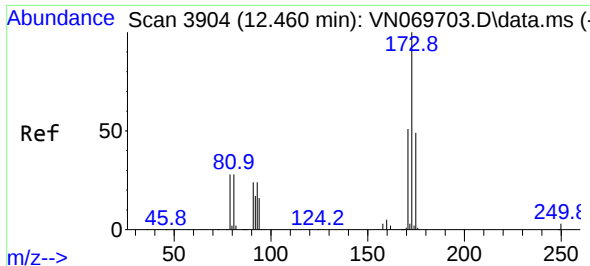
Tgt Ion: 95 Resp: 1275721
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 72.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Tgt Ion: 117 Resp: 2420933
Ion Ratio Lower Upper
117 100
82 60.2 42.4 63.6
119 31.7 25.4 38.2

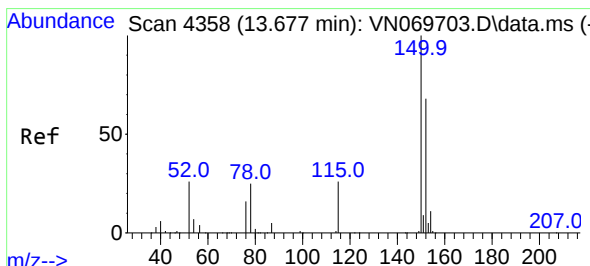
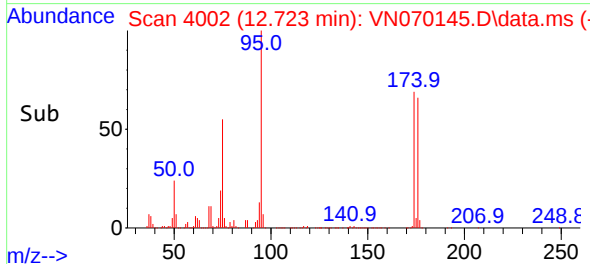
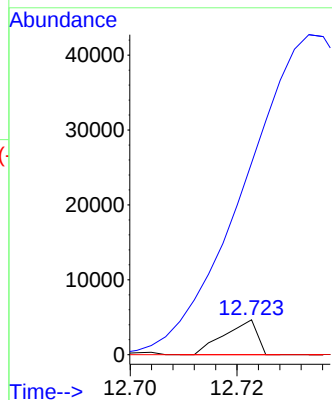
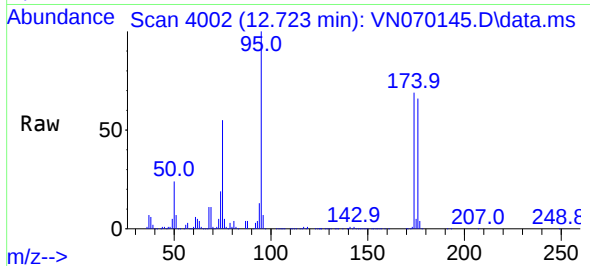




#71
Bromoform
Concen: 2.858 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

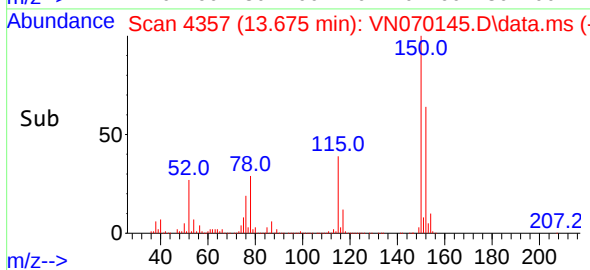
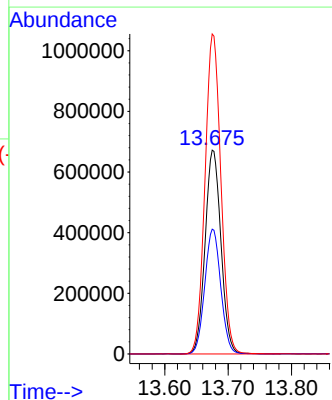
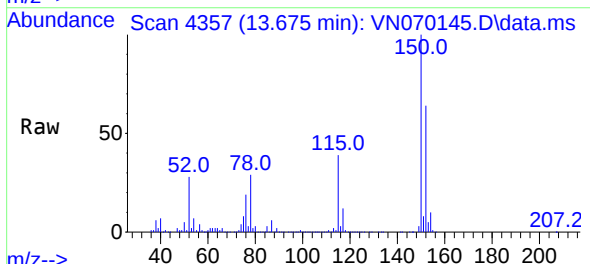
Instrument :
MSVOA_N
ClientSampleId :

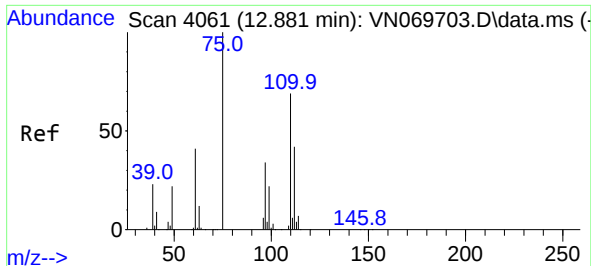
Tgt Ion:173 Resp: 1981
Ion Ratio Lower Upper
173 100
175 3430.8 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Tgt Ion:152 Resp: 1166193
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.5
150 157.3 0.0 344.4

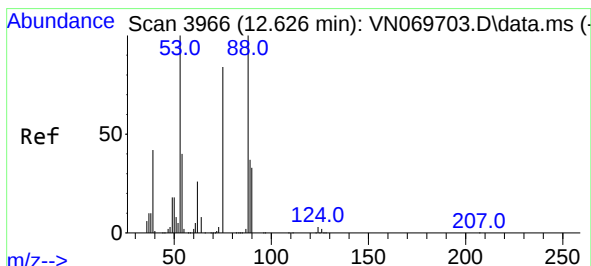
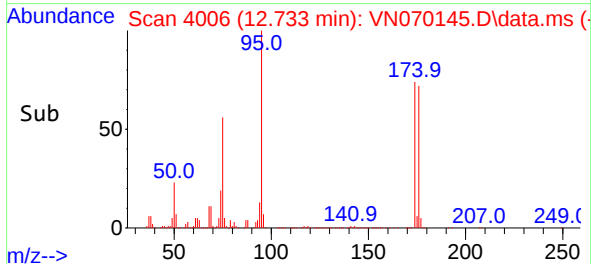
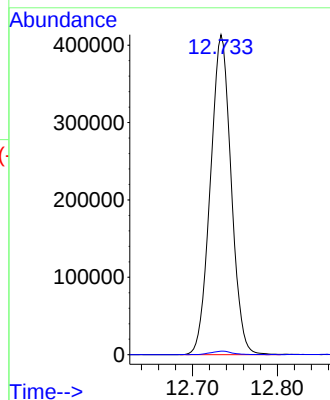
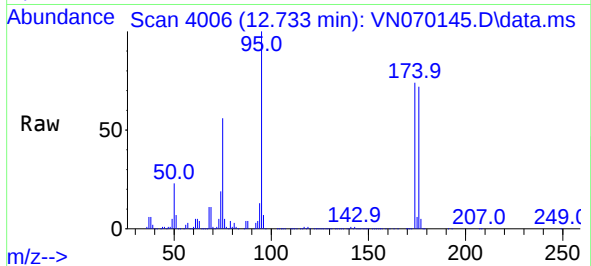




#76
1,2,3-Trichloropropane
Concen: 20.954 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

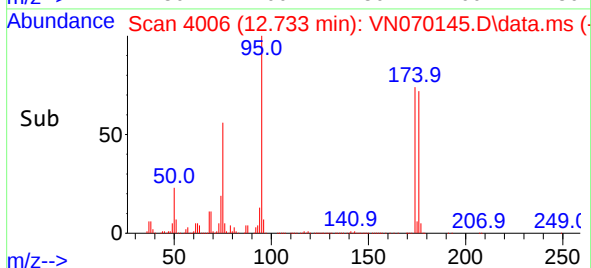
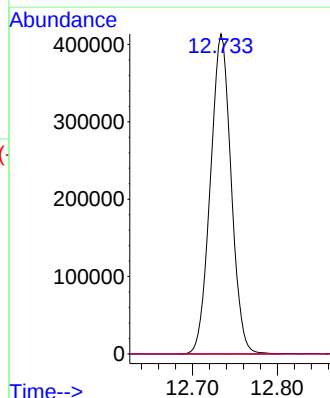
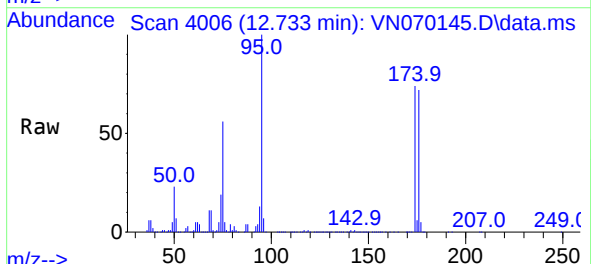
Instrument :
MSVOA_N
ClientSampleId :

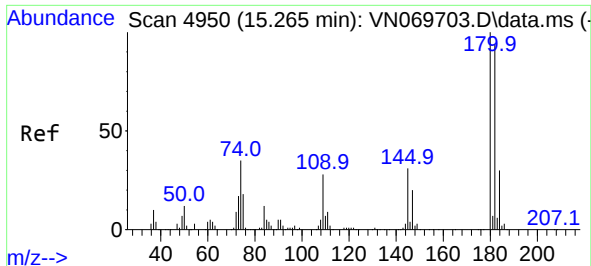
Tgt Ion: 75 Resp: 700793
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.072 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

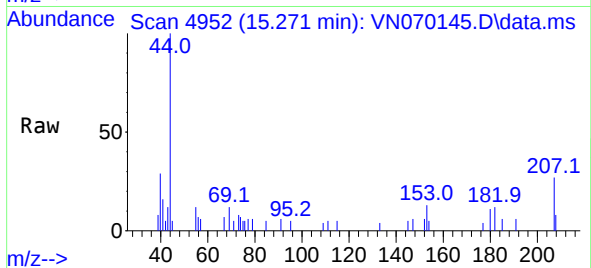
Tgt Ion: 75 Resp: 700793
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



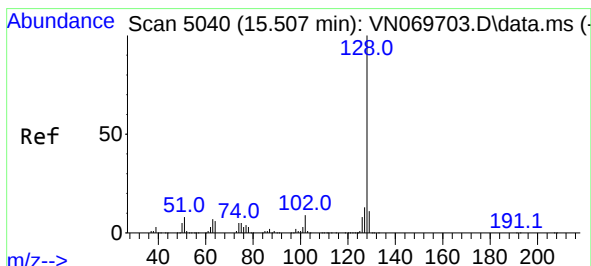
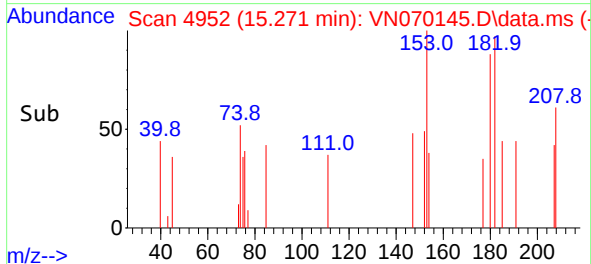
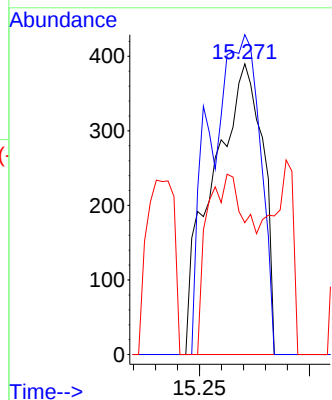


#93
1,2,4-Trichlorobenzene
Concen: 2.908 ug/l
RT: 15.271 min Scan# 4950
Delta R.T. 0.006 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

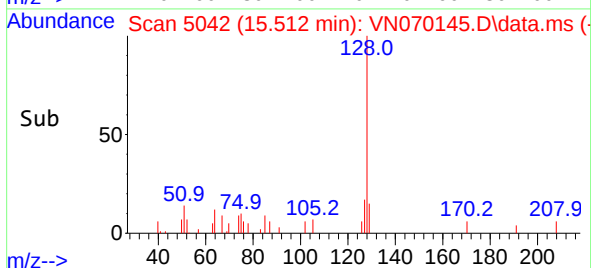
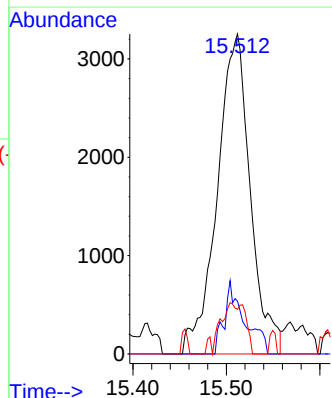
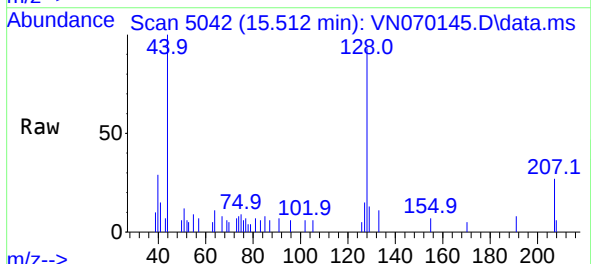


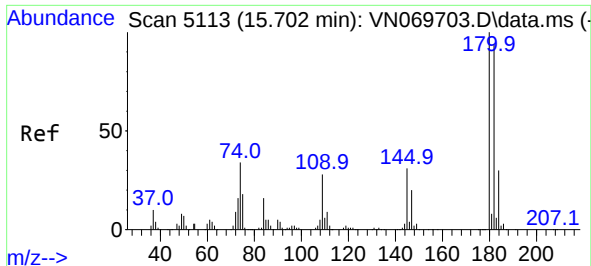
Tgt Ion:180 Resp: 617
Ion Ratio Lower Upper
180 100
182 81.2 48.3 144.9
145 52.2 14.5 43.5#



#95
Naphthalene
Concen: 4.114 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN070145.D
Acq: 16 Dec 2021 18:23

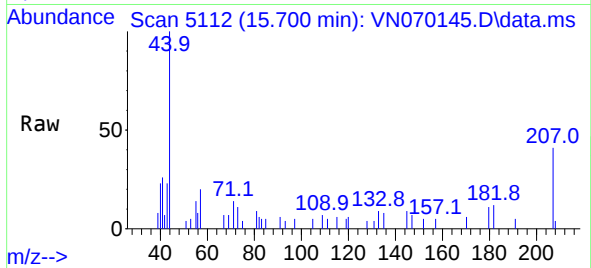
Tgt Ion:128 Resp: 8007
Ion Ratio Lower Upper
128 100
127 11.2 10.5 15.7
129 7.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.464 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN070145.D
 Acq: 16 Dec 2021 18:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 563
 Ion Ratio Lower Upper
 180 100
 182 71.2 47.4 142.2
 145 60.6 15.0 45.1#

