

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070194.D
 Acq On : 18 Dec 2021 4:58
 Operator : JC/MD
 Sample : M5132-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 07:23:35 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)

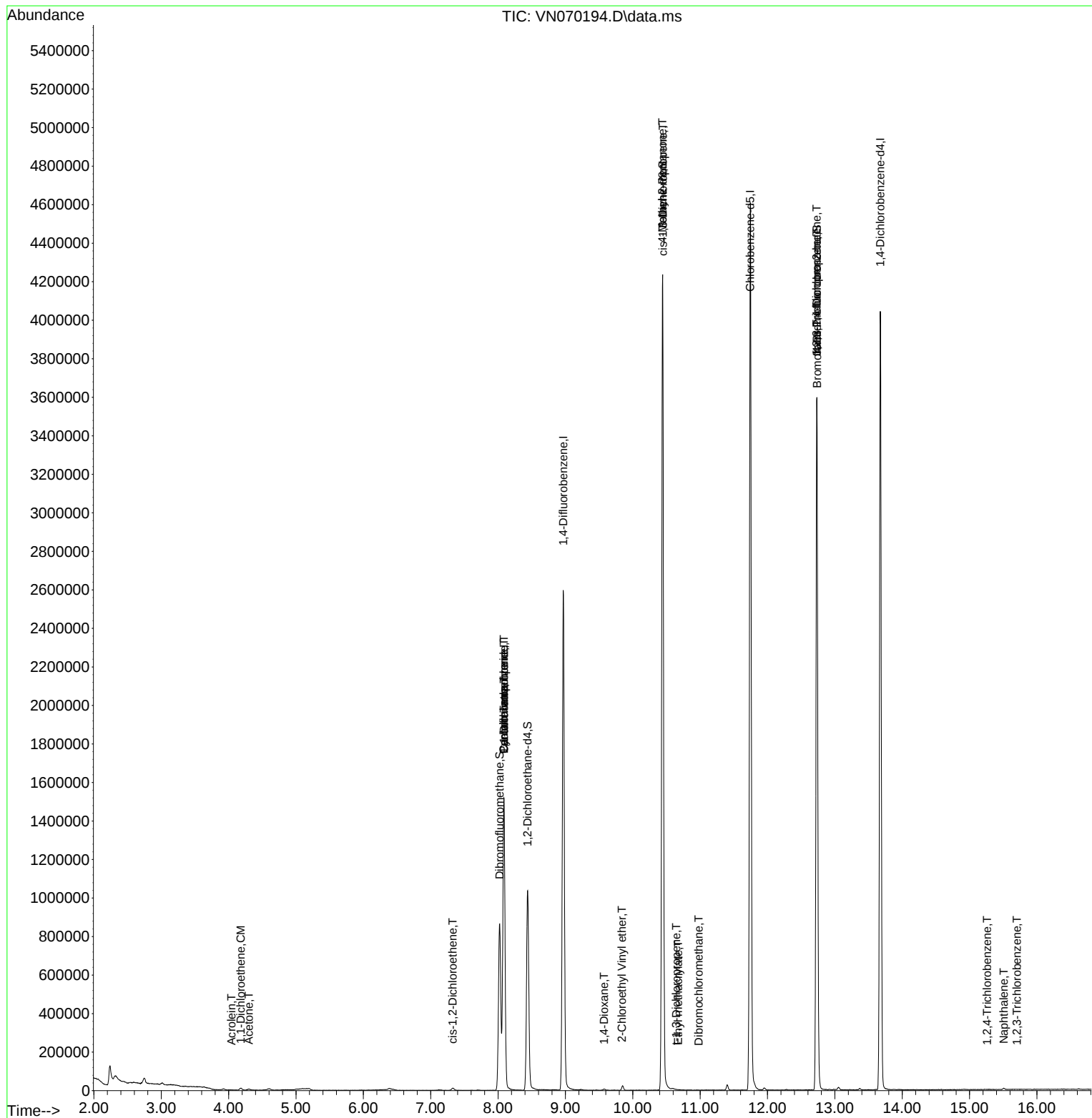
Internal Standards						
1) Pentafluorobenzene	8.088	168	1125241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2161379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2582089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1064041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	899768	51.789	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.580%	
35) Dibromofluoromethane	8.021	113	637377	47.079	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 94.160%	
50) Toluene-d8	10.443	98	2892138	53.202	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.400%	
62) 4-Bromofluorobenzene	12.733	95	1290405	65.523	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 131.040%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.181	96	5620	0.524	ug/l #	93
13) Acrolein	4.041	56	825	0.295	ug/l #	31
16) Acetone	4.299	43	7472	0.715	ug/l	95
27) cis-1,2-Dichloroethene	7.327	96	6307	0.448	ug/l	97
31) Cyclohexane	8.088	56	28009	1.158	ug/l #	11
36) 1,1-Dichloropropene	8.086	75	95640	4.648	ug/l #	49
38) Carbon Tetrachloride	8.088	117	113303	5.615	ug/l #	16
49) 1,4-Dioxane	9.574	88	4688	12.354	ug/l #	77
51) 4-Methyl-2-Pentanone	10.440	43	15076	0.513	ug/l #	1
53) t-1,3-Dichloropropene	10.644	75	49	2.796	ug/l #	1
54) cis-1,3-Dichloropropene	10.446	75	798	2.028	ug/l #	1
56) Ethyl methacrylate	10.674	69	206	2.286	ug/l #	65
58) 2-Chloroethyl Vinyl ether	9.840	63	332	18.428	ug/l #	45
60) Dibromochloromethane	10.977	129	57	2.379	ug/l #	11
71) Bromoform	12.736	173	1132	2.799	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	704831	23.098	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	704831	73.519	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	283	2.893	ug/l #	86
95) Naphthalene	15.507	128	6450	4.099	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.702	180	146	2.444	ug/l #	1

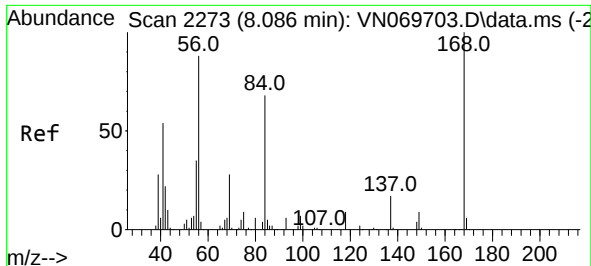
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 08:46:47 2021
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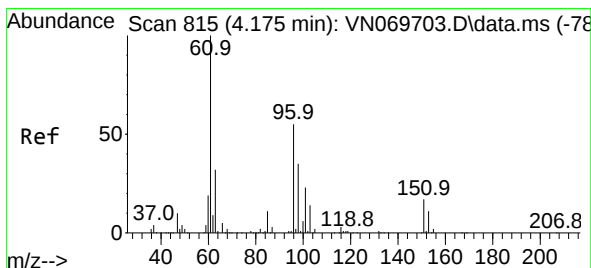
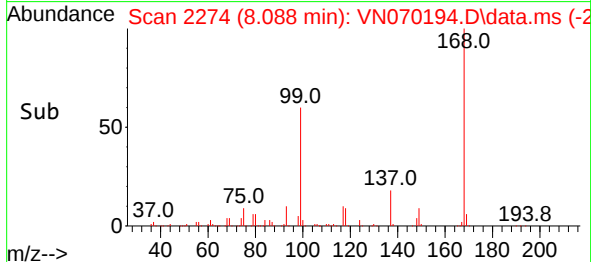
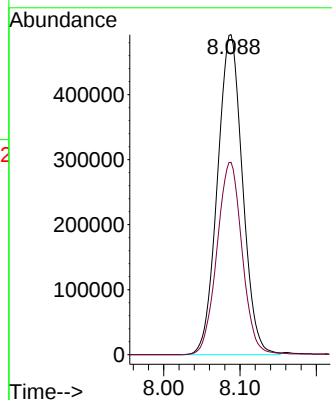
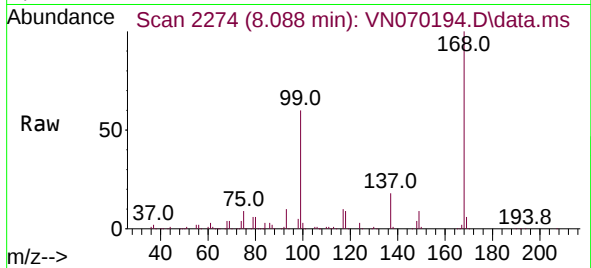




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

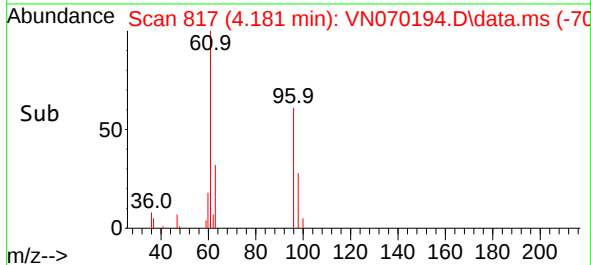
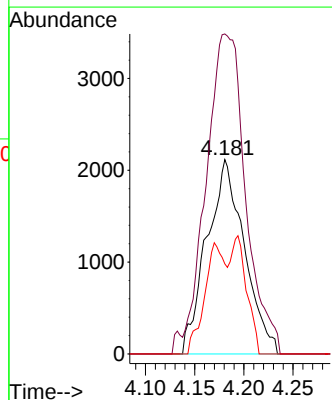
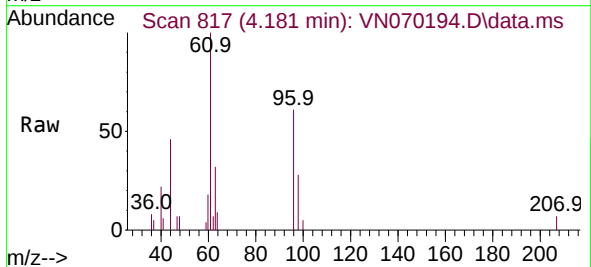
Instrument :
MSVOA_N
ClientSampleId :

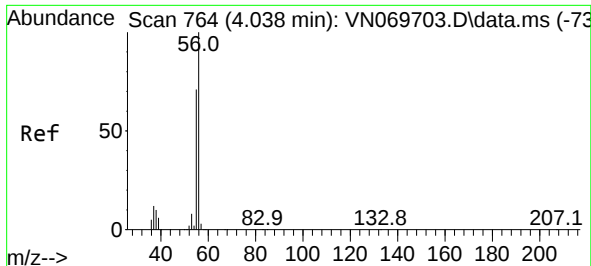
Tgt Ion:168 Resp: 1125241
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9



#12
1,1-Dichloroethene
Concen: 0.524 ug/l
RT: 4.181 min Scan# 817
Delta R.T. 0.005 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Tgt Ion: 96 Resp: 5620
Ion Ratio Lower Upper
96 100
61 164.6 131.0 196.6
98 46.3 52.4 78.6#

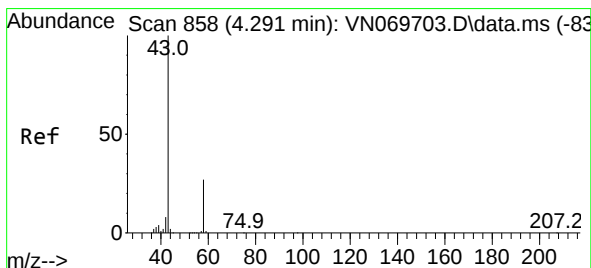
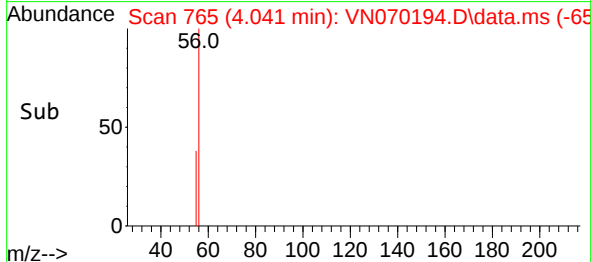
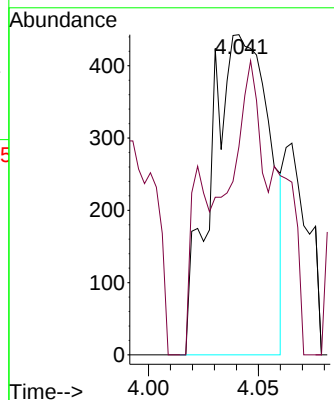
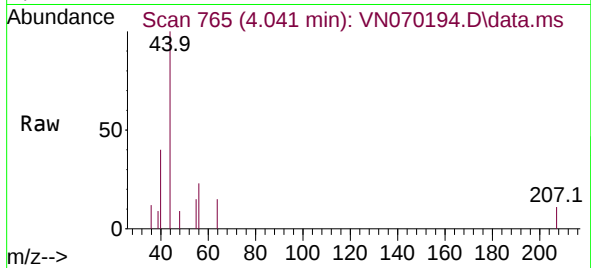




#13
Acrolein
Concen: 0.295 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

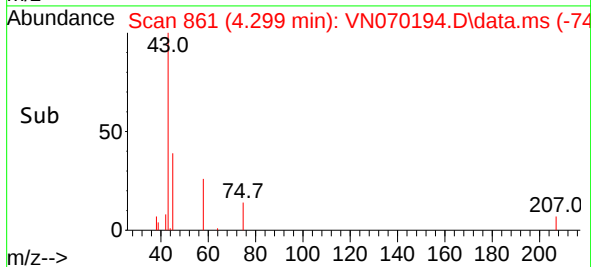
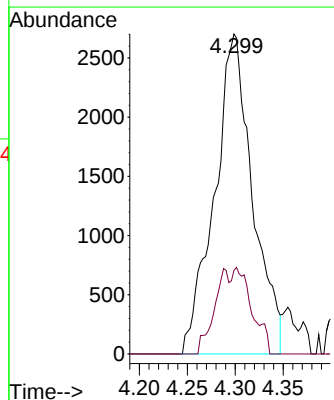
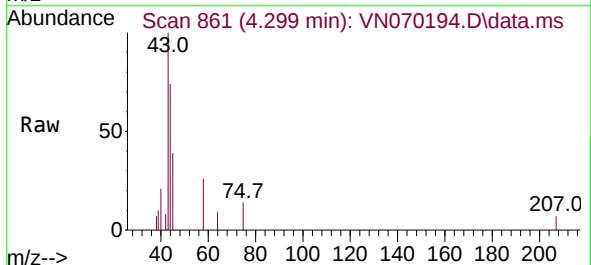
Instrument :
MSVOA_N
ClientSampleId :

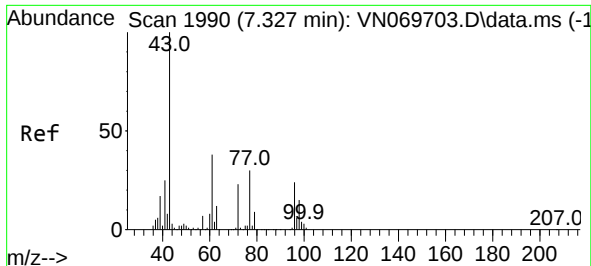
Tgt Ion: 56 Resp: 825
Ion Ratio Lower Upper
56 100
55 14.1 56.6 85.0#



#16
Acetone
Concen: 0.715 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Tgt Ion: 43 Resp: 7472
Ion Ratio Lower Upper
43 100
58 26.1 23.1 34.7





#27

cis-1,2-Dichloroethene

Concen: 0.448 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN070194.D

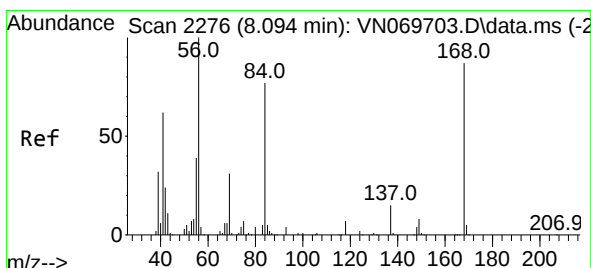
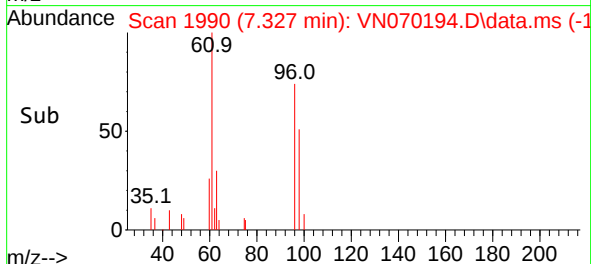
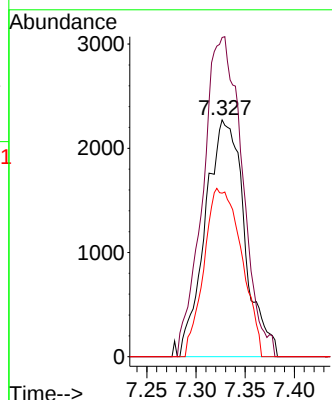
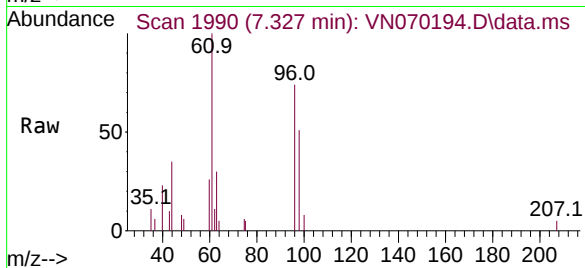
Acq: 18 Dec 2021 4:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	96	Resp:	6307
Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	275.0
98	67.9	0.0	129.6



#31

Cyclohexane

Concen: 1.158 ug/l

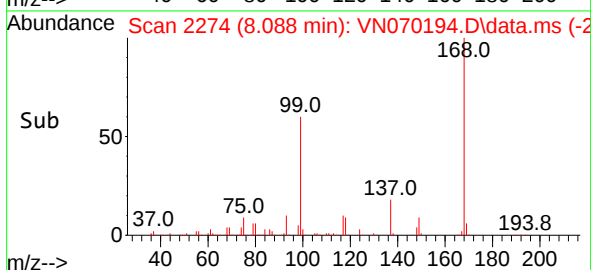
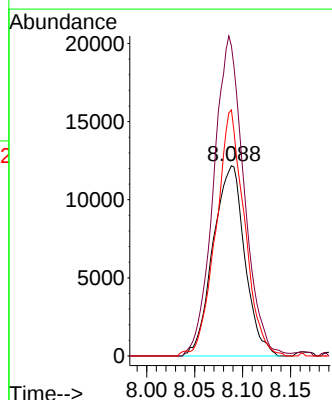
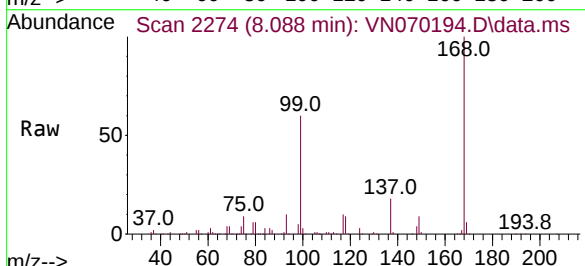
RT: 8.088 min Scan# 2274

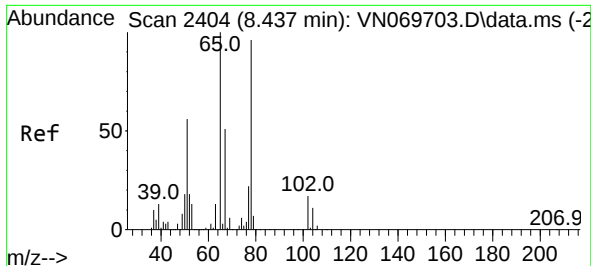
Delta R.T. -0.005 min

Lab File: VN070194.D

Acq: 18 Dec 2021 4:58

Tgt Ion:	56	Resp:	28009
Ion	Ratio	Lower	Upper
56	100		
69	163.1	27.1	40.7#
84	128.0	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.789 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070194.D

Acq: 18 Dec 2021 4:58

Instrument :

MSVOA_N

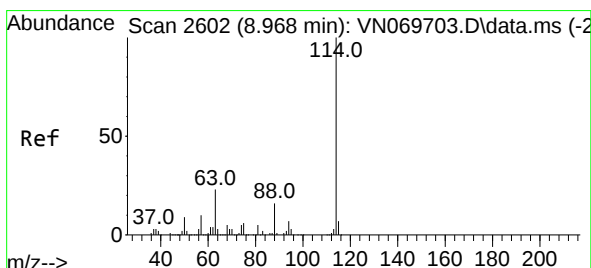
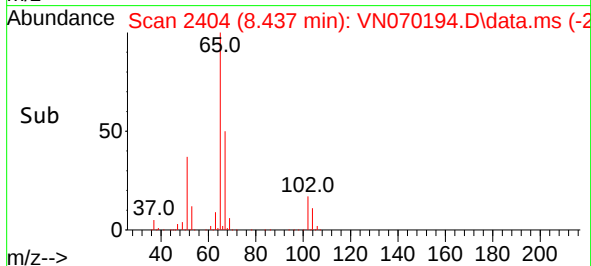
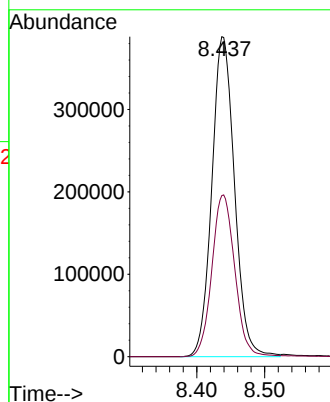
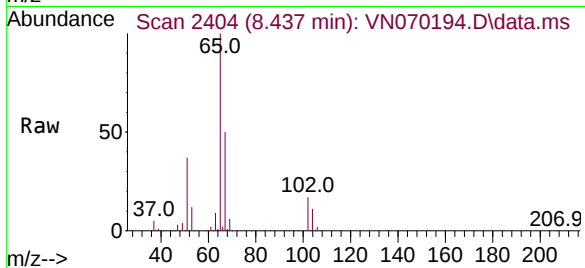
ClientSampleId :

Tgt Ion: 65 Resp: 899768

Ion Ratio Lower Upper

65 100

67 51.1 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: VN070194.D

Acq: 18 Dec 2021 4:58

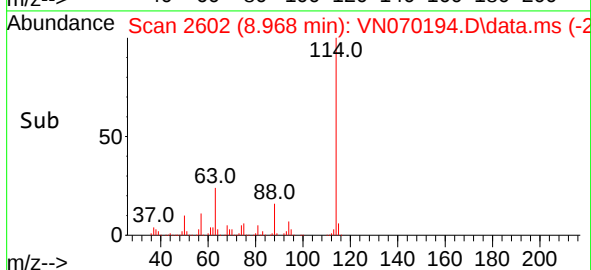
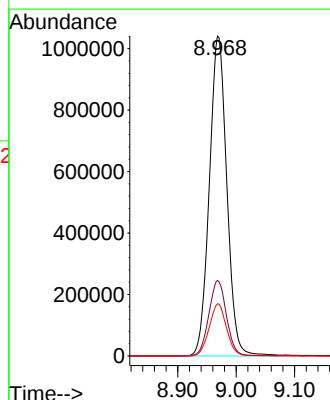
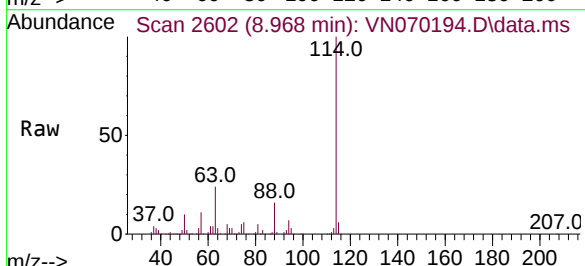
Tgt Ion: 114 Resp: 2161379

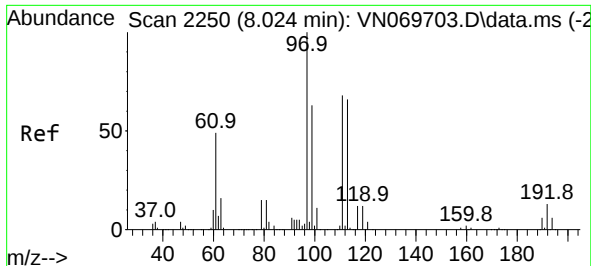
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

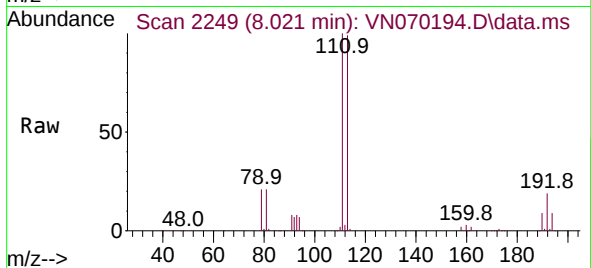
88 16.3 0.0 27.4



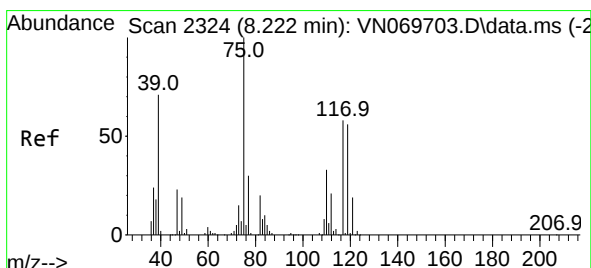
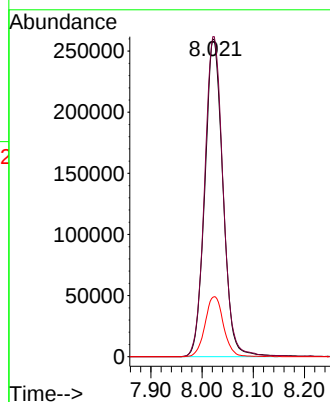
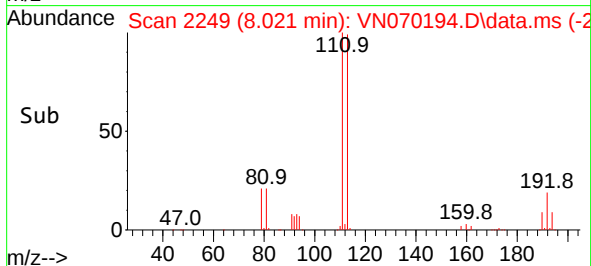


#35
Dibromofluoromethane
Concen: 47.079 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Instrument :
MSVOA_N
ClientSampleId :

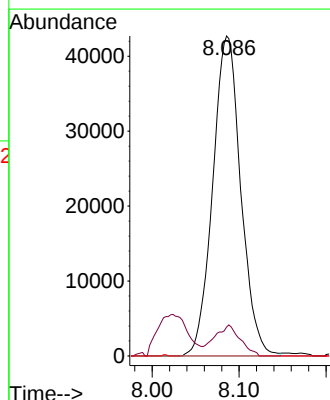
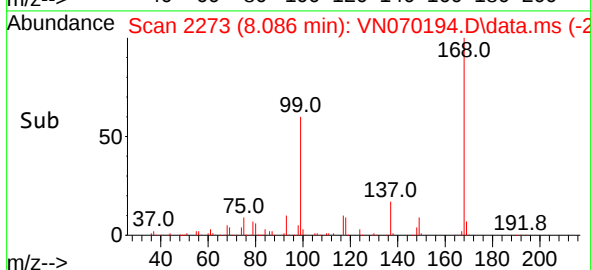
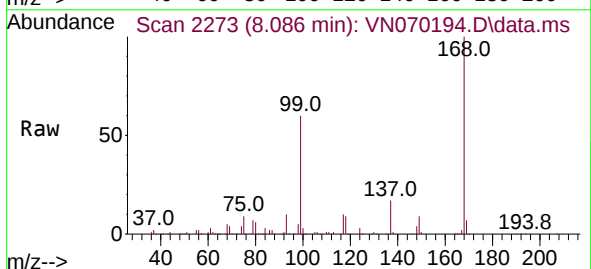


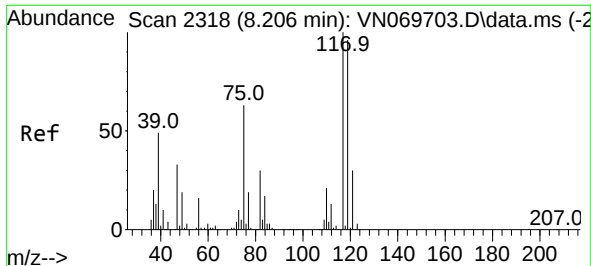
Tgt Ion:113 Resp: 637377
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.648 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

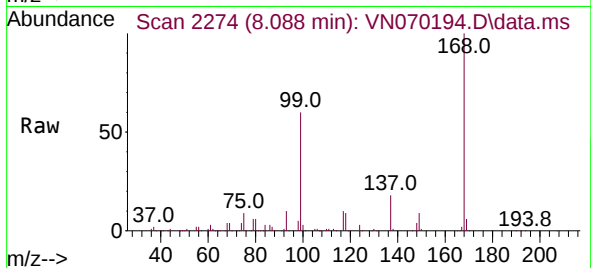
Tgt Ion: 75 Resp: 95640
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#



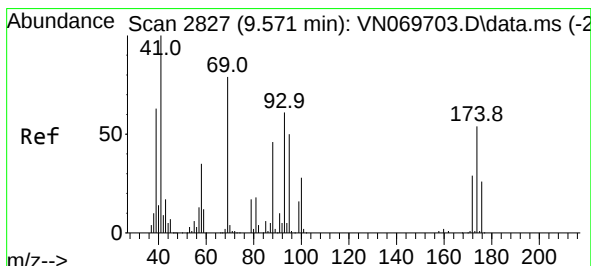
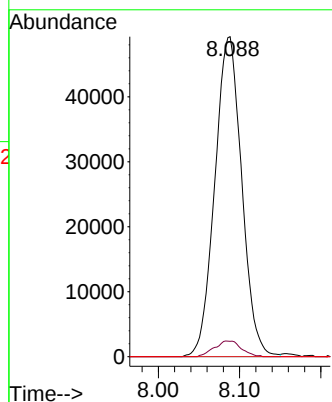
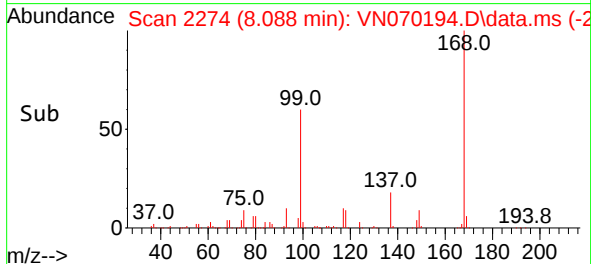


#38
Carbon Tetrachloride
Concen: 5.615 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Instrument :
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ClientSampleId :

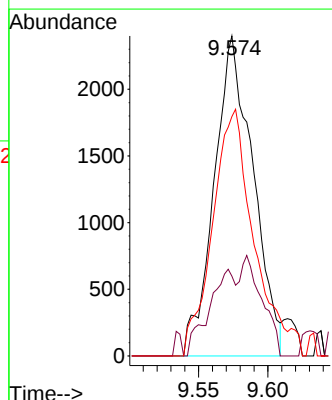
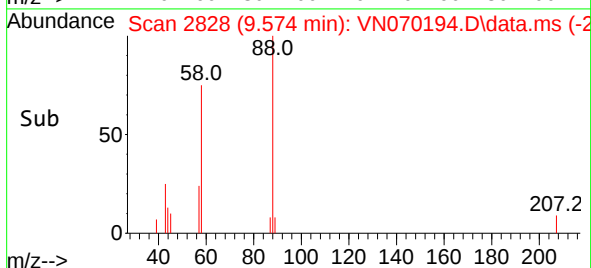
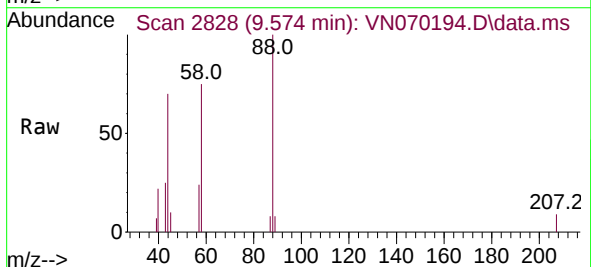


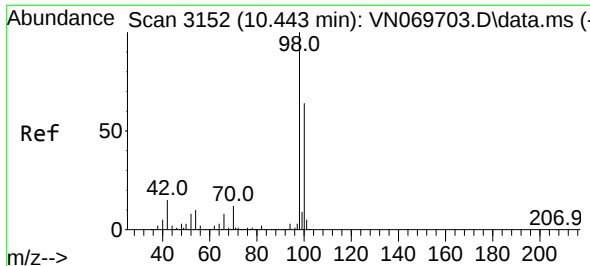
Tgt Ion:117 Resp: 113303
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 12.354 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.003 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Tgt Ion: 88 Resp: 4688
Ion Ratio Lower Upper
88 100
43 18.3 23.4 35.2#
58 82.3 50.6 75.8#

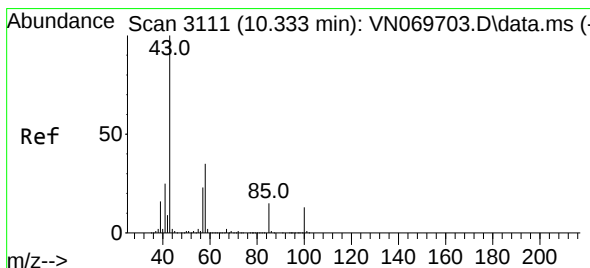
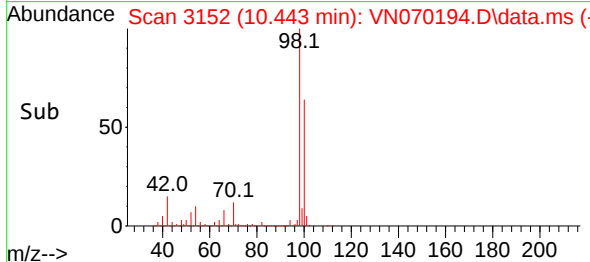
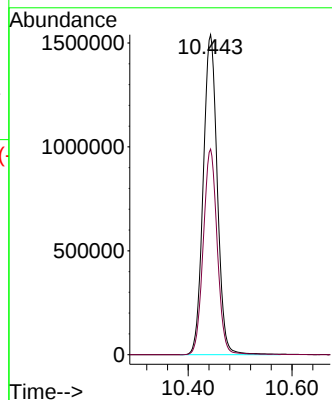
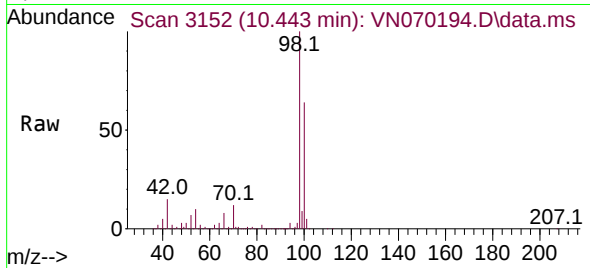




#50
Toluene-d8
Concen: 53.202 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

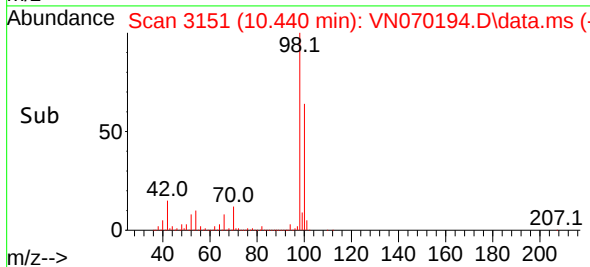
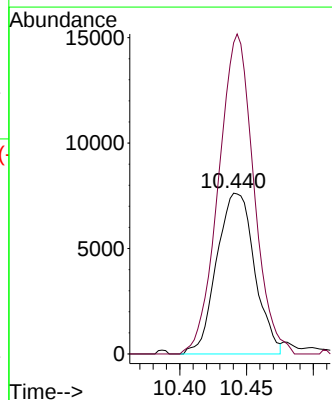
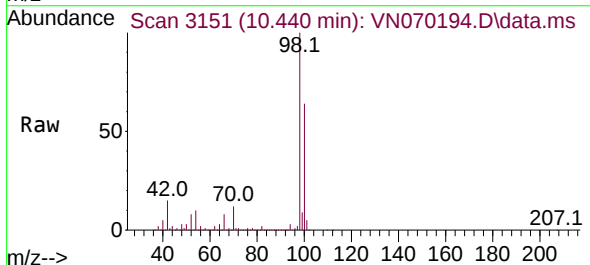
Instrument :
MSVOA_N
ClientSampleId :

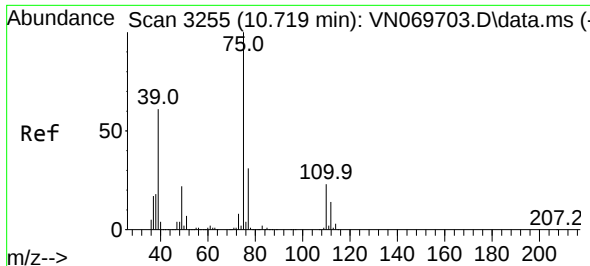
Tgt Ion: 98 Resp: 2892138
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.513 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.107 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

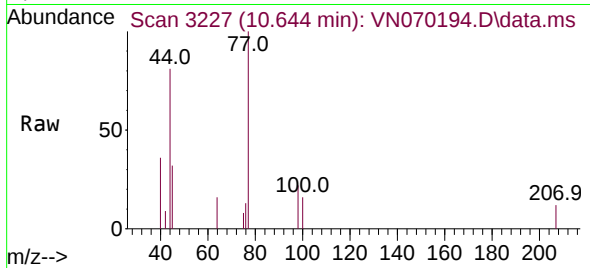
Tgt Ion: 43 Resp: 15076
Ion Ratio Lower Upper
43 100
58 185.0 30.4 45.6#



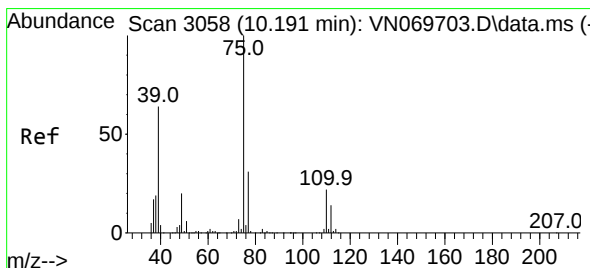
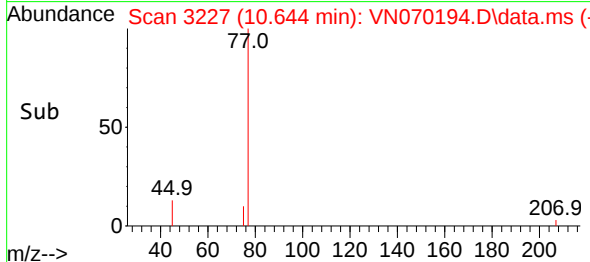
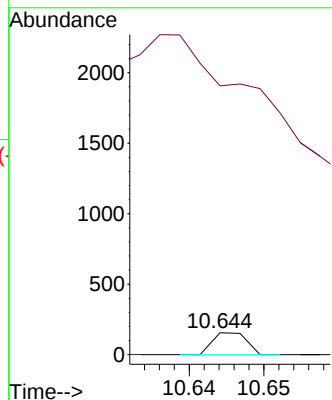


#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.644 min Scan# 3153
Delta R.T. -0.075 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Instrument :
MSVOA_N
ClientSampleId :

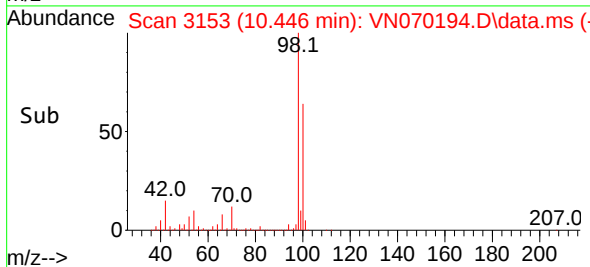
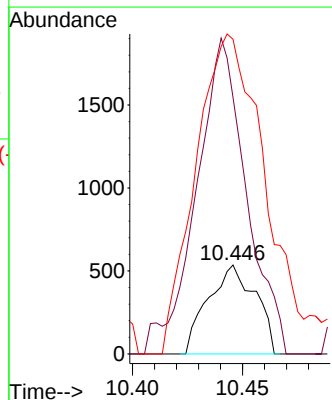
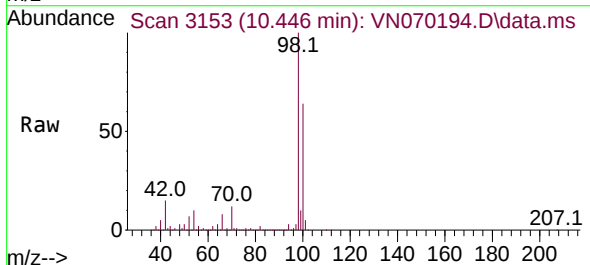


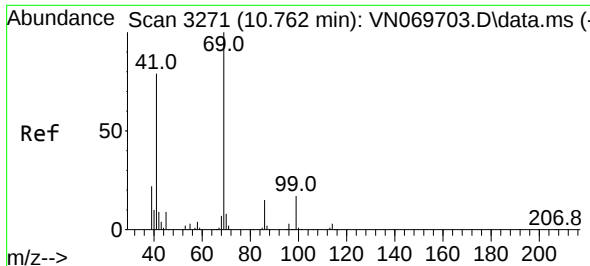
Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
77 123.7 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.028 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.255 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

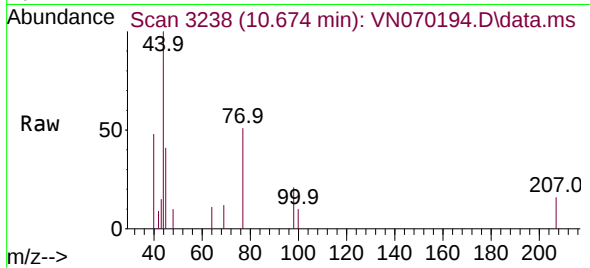
Tgt Ion: 75 Resp: 798
Ion Ratio Lower Upper
75 100
77 249.3 26.4 39.6#
39 242.0 42.5 63.7#



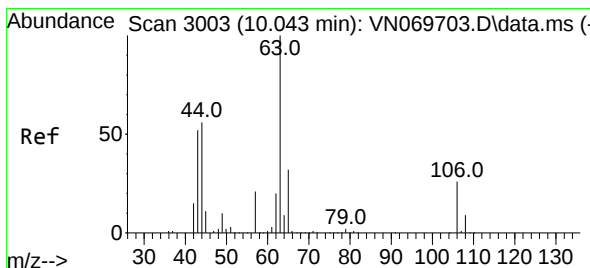
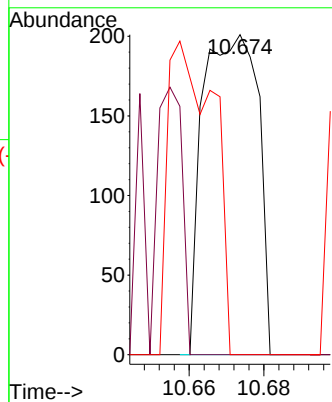
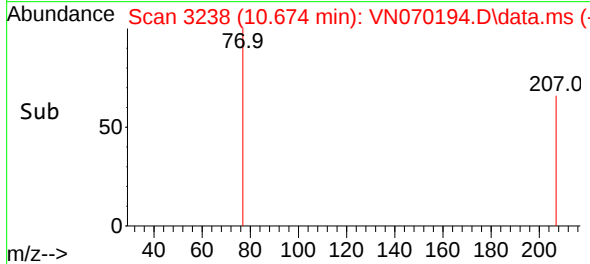


#56
Ethyl methacrylate
Concen: 2.286 ug/l
RT: 10.674 min Scan# 31
Delta R.T. -0.088 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Instrument :
MSVOA_N
ClientSampleId :

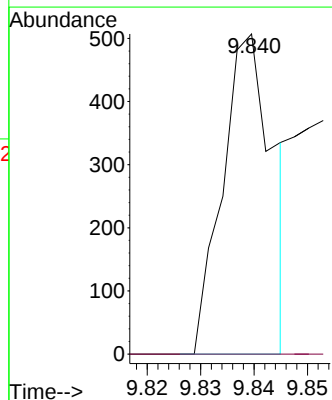
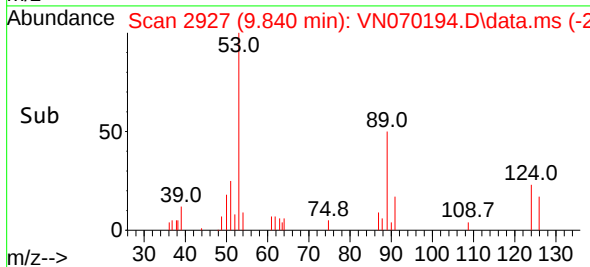
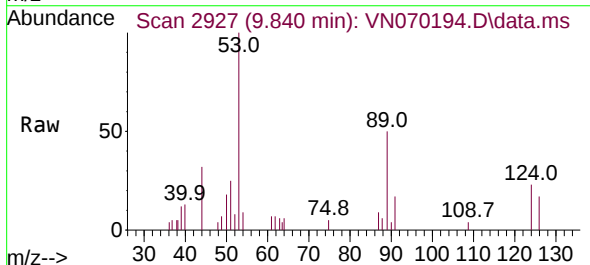


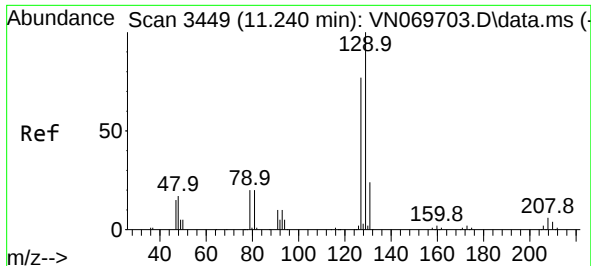
Tgt Ion: 69 Resp: 206
Ion Ratio Lower Upper
69 100
41 50.0 51.4 77.0#
39 81.1 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.428 ug/l
RT: 9.840 min Scan# 2927
Delta R.T. -0.203 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Tgt Ion: 63 Resp: 332
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

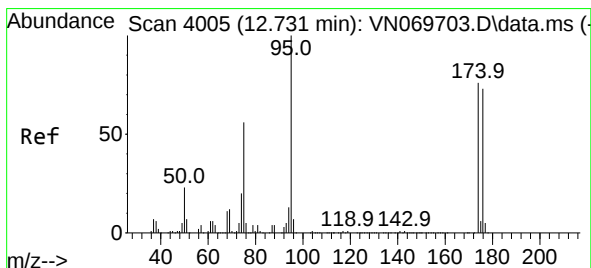
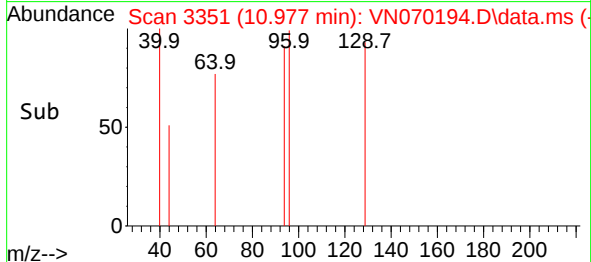
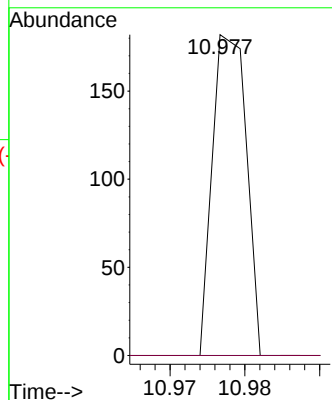
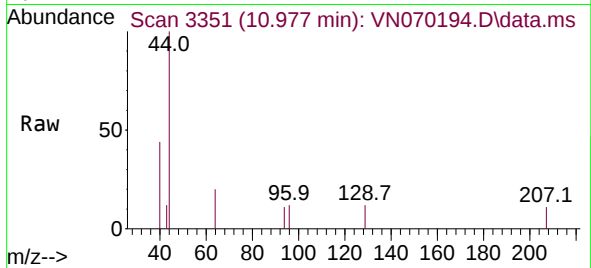




#60
Dibromochloromethane
Concen: 2.379 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

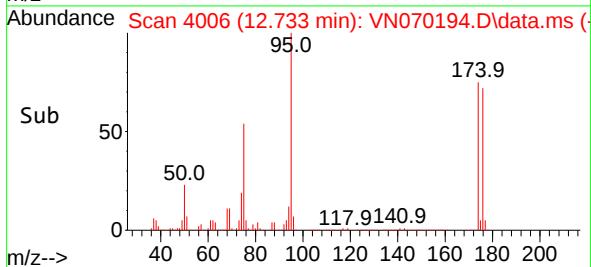
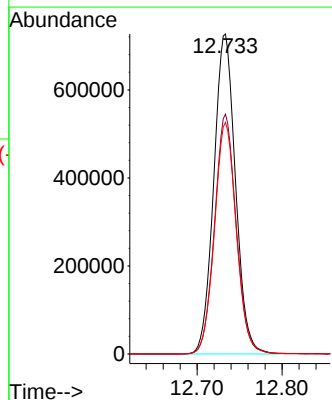
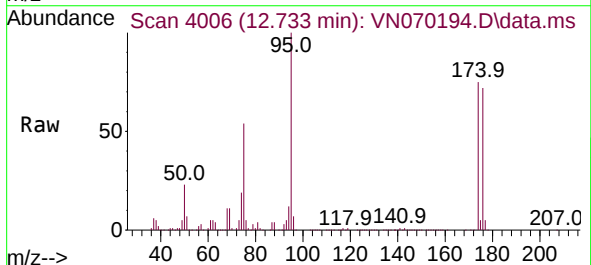
Instrument :
MSVOA_N
ClientSampleId :

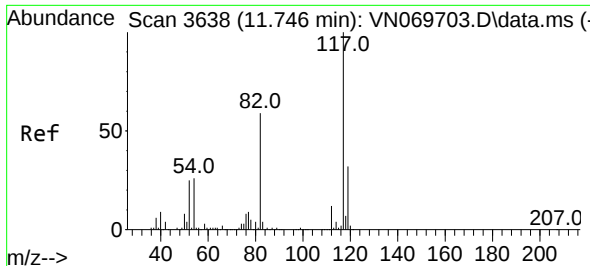
Tgt Ion:129 Resp: 57
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 65.523 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

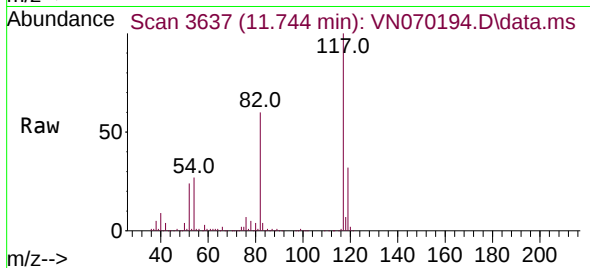
Tgt Ion: 95 Resp: 1290405
Ion Ratio Lower Upper
95 100
174 74.6 0.0 187.2
176 72.6 0.0 181.4



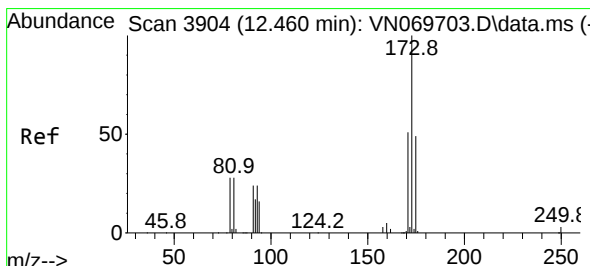
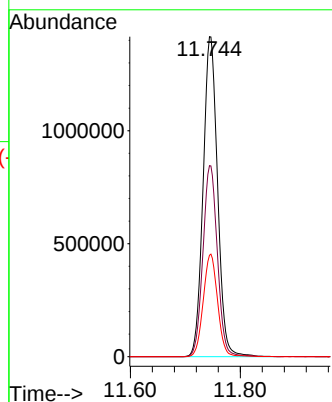
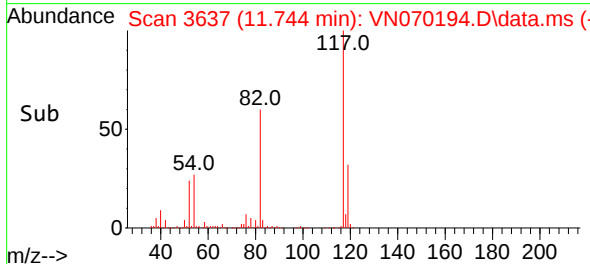


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 307
Delta R.T. -0.002 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Instrument :
MSVOA_N
ClientSampleId :

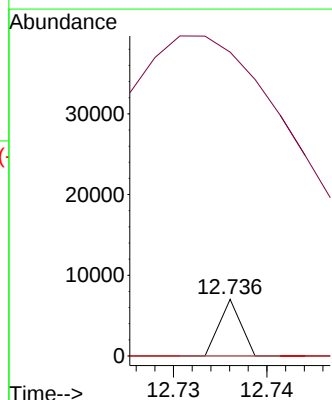
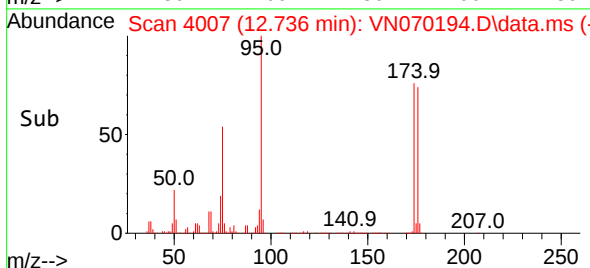
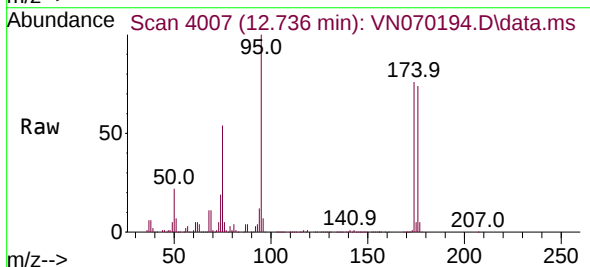


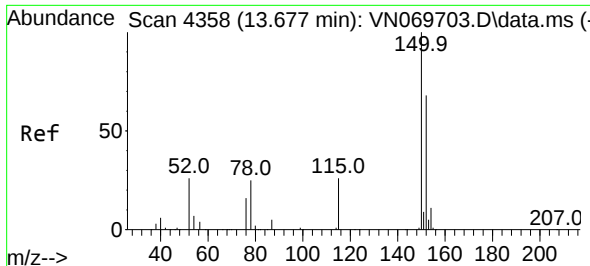
Tgt Ion:117 Resp: 2582089
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 31.7 25.4 38.2



#71
Bromoform
Concen: 2.799 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

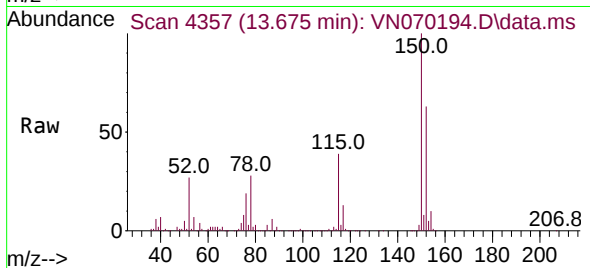
Tgt Ion:173 Resp: 1132
Ion Ratio Lower Upper
173 100
175 5827.8 24.2 72.6#
254 0.0 0.0 0.0





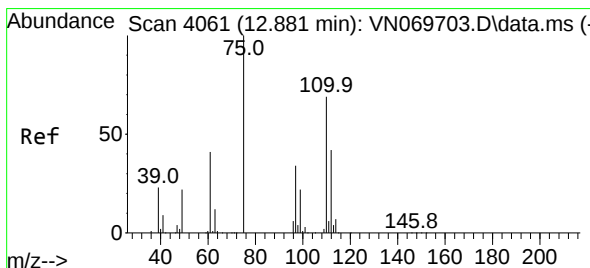
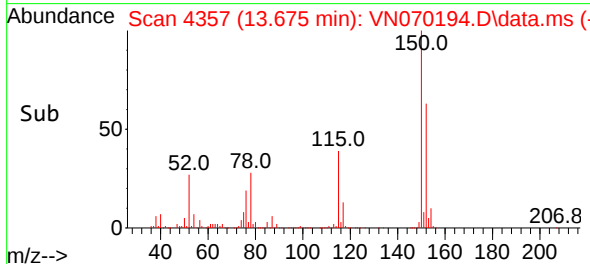
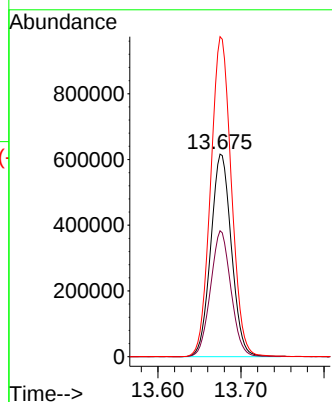
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070194.D
 Acq: 18 Dec 2021 4:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 1064041

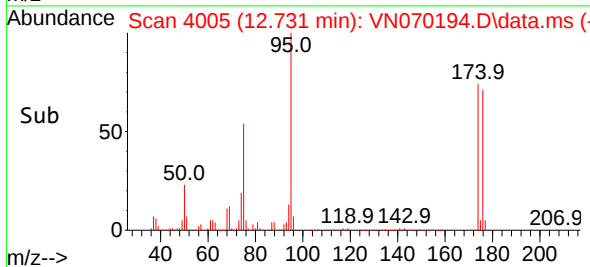
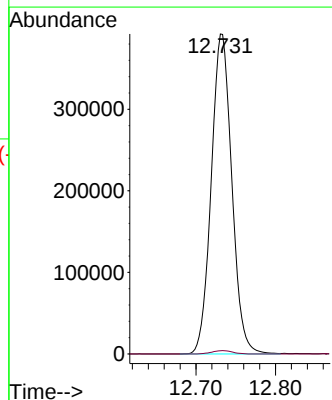
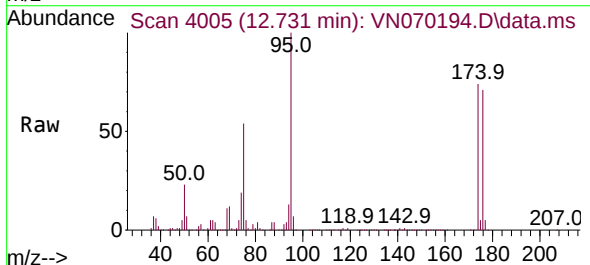
Ion	Ratio	Lower	Upper
152	100		
115	61.5	27.5	82.5
150	158.5	0.0	344.4

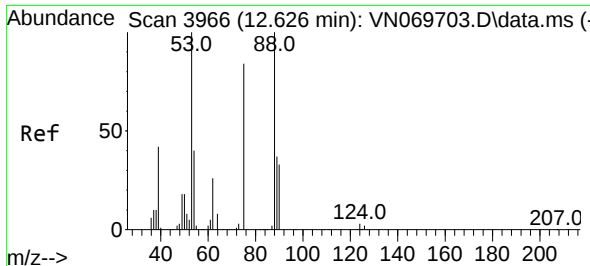


#76
 1,2,3-Trichloropropane
 Concen: 23.098 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN070194.D
 Acq: 18 Dec 2021 4:58

Tgt Ion: 75 Resp: 704831

Ion	Ratio	Lower	Upper
75	100		
77	1.0	82.6	247.8#

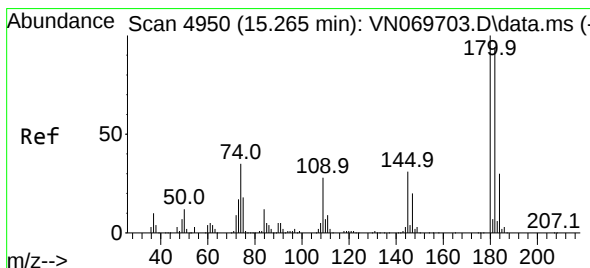
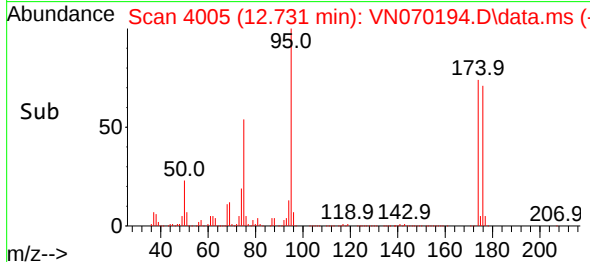
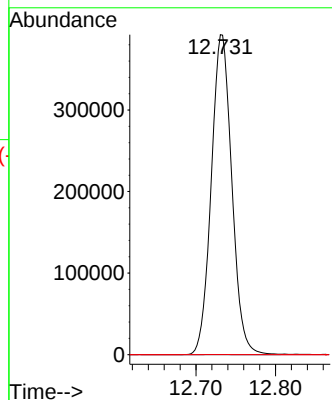
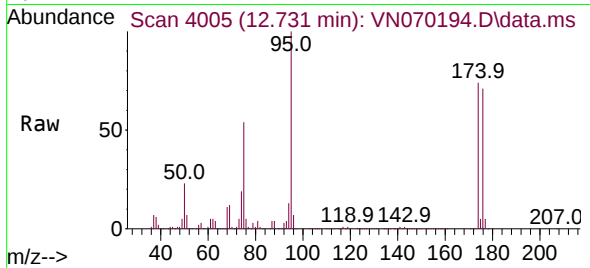




#81
trans-1,4-Dichloro-2-butene
Concen: 73.519 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

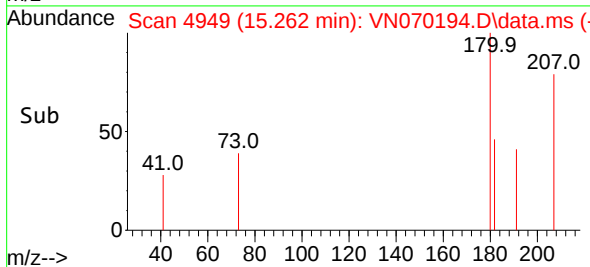
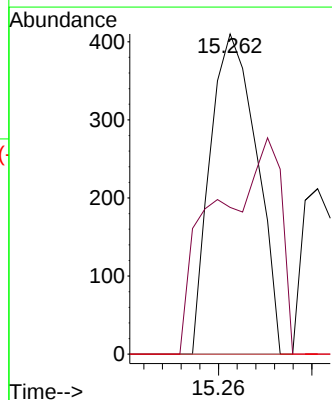
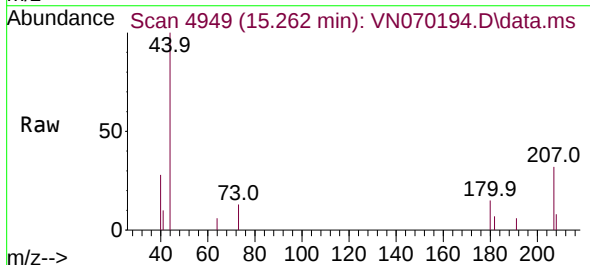
Instrument :
MSVOA_N
ClientSampleId :

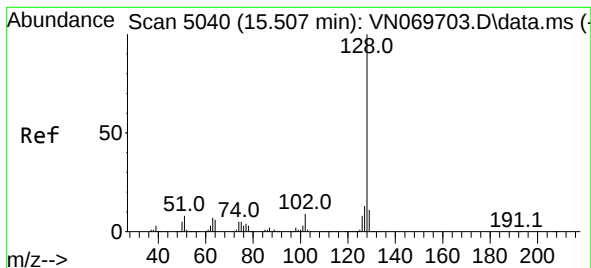
Tgt Ion: 75 Resp: 704831
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.893 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070194.D
Acq: 18 Dec 2021 4:58

Tgt Ion:180 Resp: 283
Ion Ratio Lower Upper
180 100
182 94.3 48.3 144.9
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.099 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN070194.D

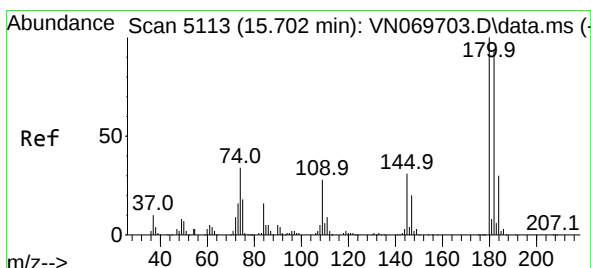
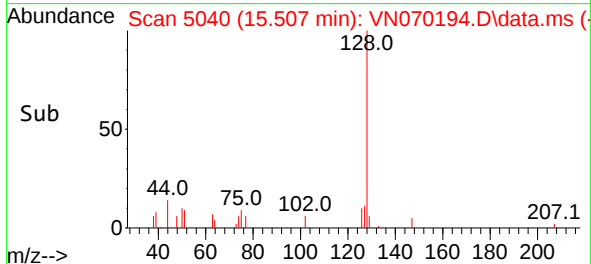
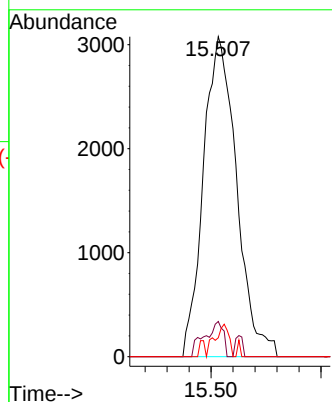
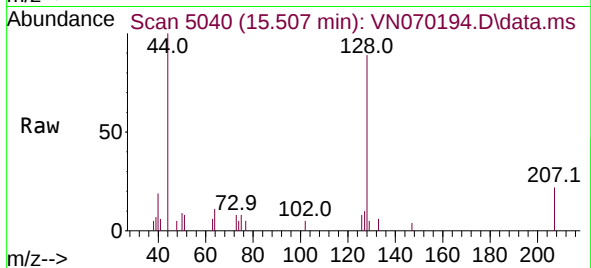
Acq: 18 Dec 2021 4:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	6450
Ion Ratio	Lower	Upper	
128	100		
127	6.2	10.5	15.7#
129	4.2	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.444 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.000 min

Lab File: VN070194.D

Acq: 18 Dec 2021 4:58

Tgt Ion:	180	Resp:	146
Ion Ratio	Lower	Upper	
180	100		
182	212.3	47.4	142.2#
145	0.0	15.0	45.1#

