

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070116.D
 Acq On : 15 Dec 2021 17:09
 Operator : JC/MD
 Sample : M4970-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 05:40:17 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)

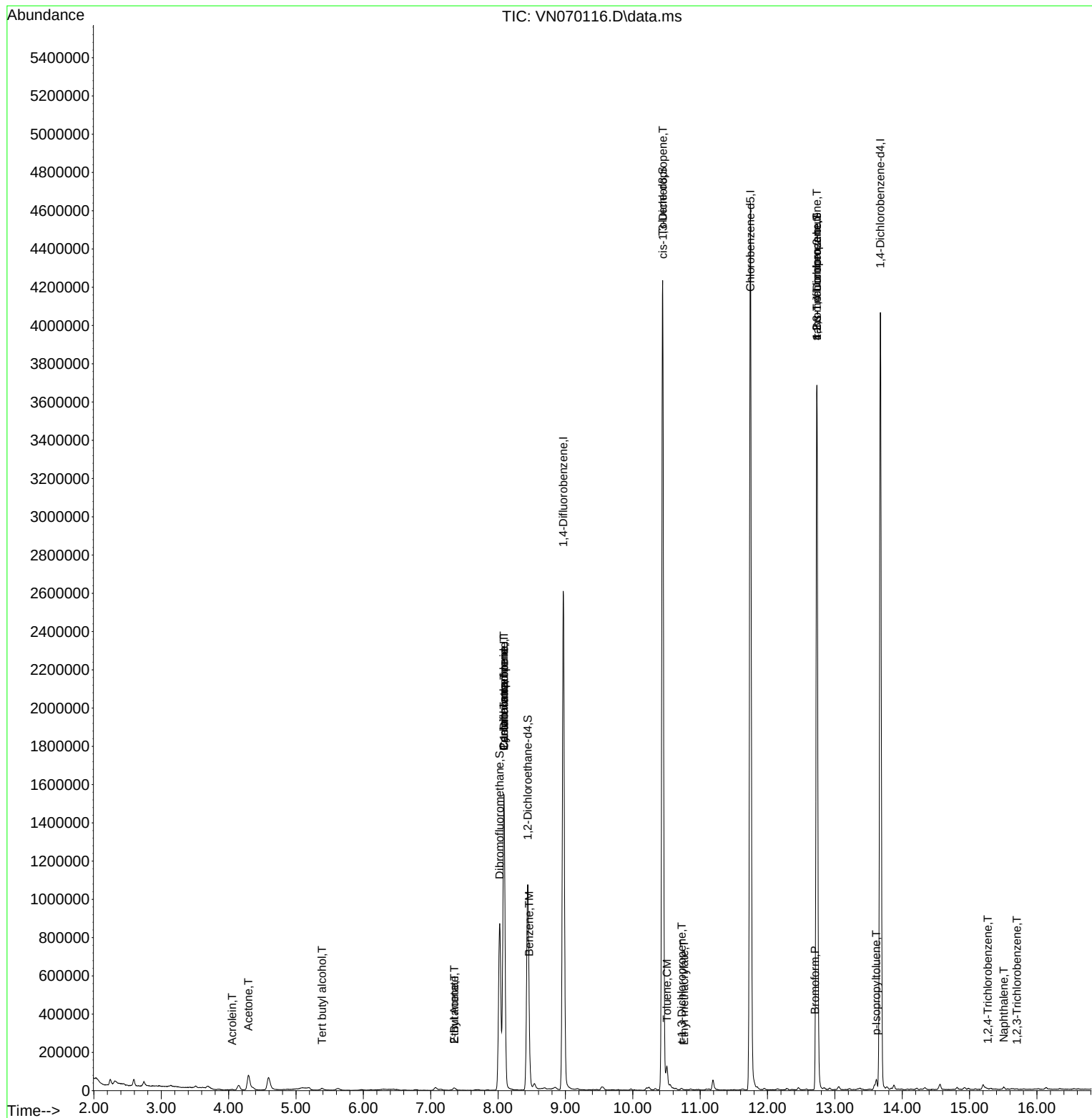
Internal Standards						
1) Pentafluorobenzene	8.088	168	1150561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2202079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2574567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1087927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	917863	51.668	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.340%	
35) Dibromofluoromethane	8.024	113	644646	46.736	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.480%	
50) Toluene-d8	10.443	98	2902439	52.405	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.800%	
62) 4-Bromofluorobenzene	12.733	95	1305098	65.044	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 130.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.387	59	13182	3.926	ug/l #	82
13) Acrolein	4.052	56	3993	1.396	ug/l #	75
16) Acetone	4.293	43	153891	14.401	ug/l	98
25) 2-Butanone	7.351	43	20959	1.444	ug/l #	86
31) Cyclohexane	8.086	56	30918	1.251	ug/l #	29
36) 1,1-Dichloropropene	8.086	75	97631	4.657	ug/l #	48
37) Ethyl Acetate	7.351	43	20959	0.672	ug/l #	68
38) Carbon Tetrachloride	8.088	117	118747	5.777	ug/l #	16
40) Benzene	8.461	78	65967	1.030	ug/l	100
52) Toluene	10.507	92	41683	1.066	ug/l	96
53) t-1,3-Dichloropropene	10.727	75	51	2.796	ug/l #	73
54) cis-1,3-Dichloropropene	10.446	75	957	2.033	ug/l #	1
56) Ethyl methacrylate	10.762	69	179	2.285	ug/l #	24
71) Bromoform	12.704	173	94	2.737	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	721344	23.121	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	721344	73.586	ug/l #	5
86) p-Isopropyltoluene	13.616	119	27708	0.379	ug/l #	88
93) 1,2,4-Trichlorobenzene	15.271	180	1172	2.940	ug/l #	82
95) Naphthalene	15.507	128	10822	4.172	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	851	2.482	ug/l #	70

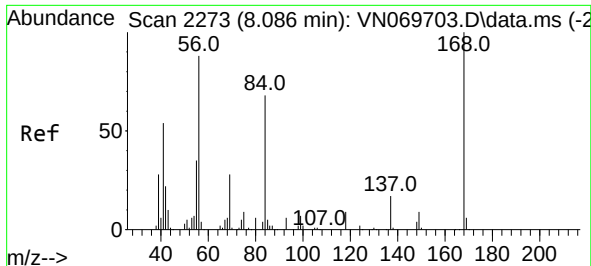
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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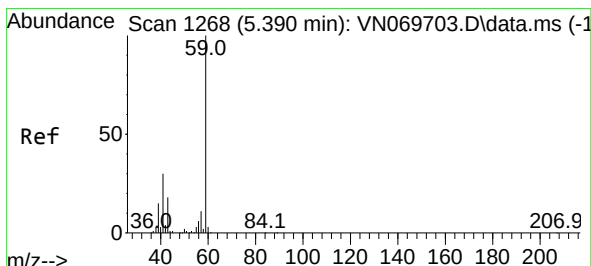
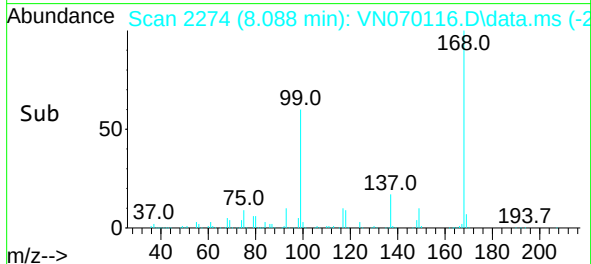
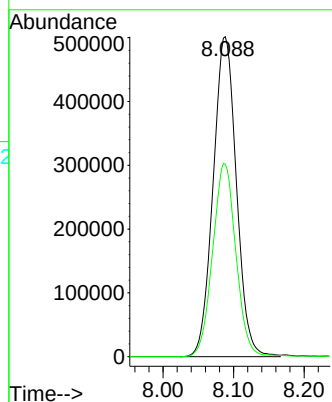
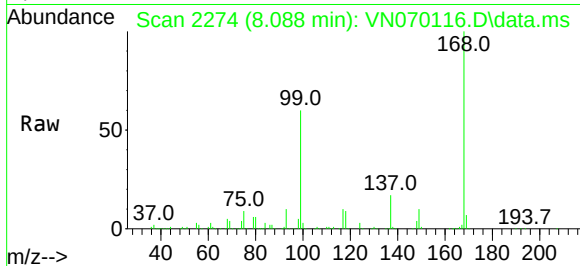




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

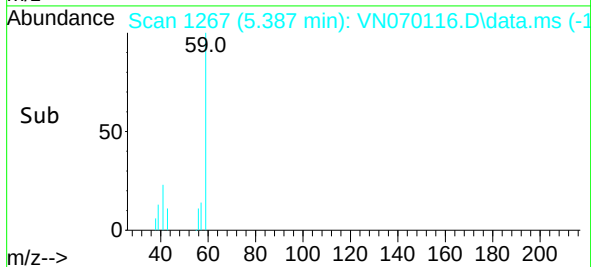
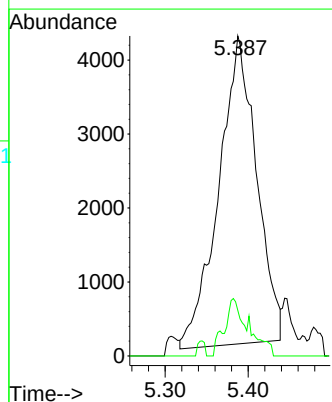
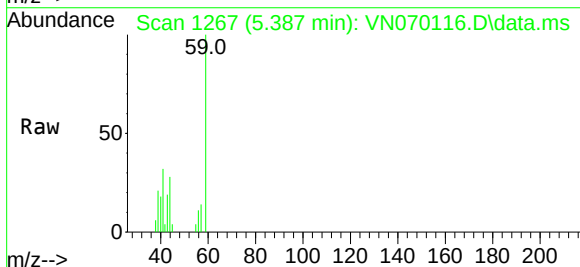
Instrument :
MSVOA_N
ClientSampleId :

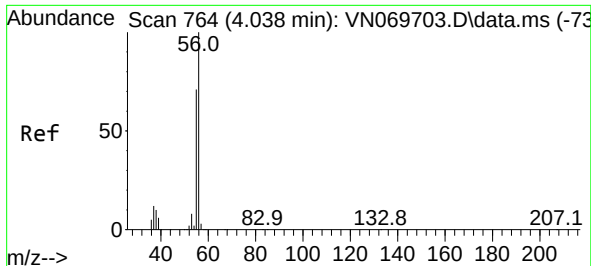
Tgt Ion:168 Resp: 1150561
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 3.926 ug/l
RT: 5.387 min Scan# 1267
Delta R.T. -0.003 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

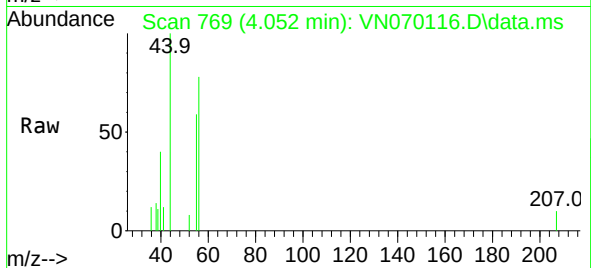
Tgt Ion: 59 Resp: 13182
Ion Ratio Lower Upper
59 100
57 3.9 8.7 13.1#



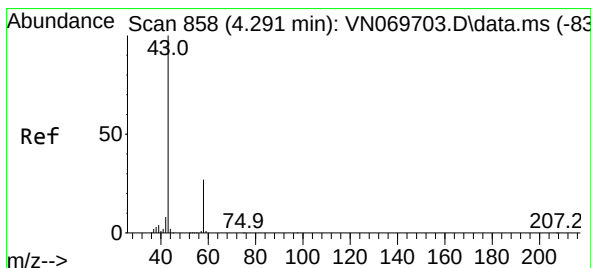
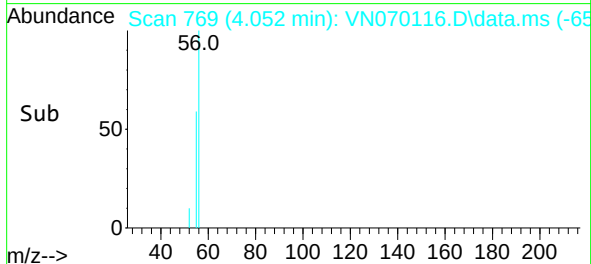
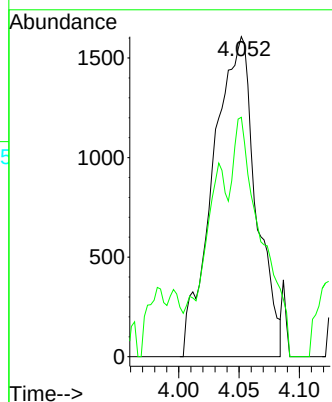


#13
Acrolein
Concen: 1.396 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.013 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

Instrument :
MSVOA_N
ClientSampleId :

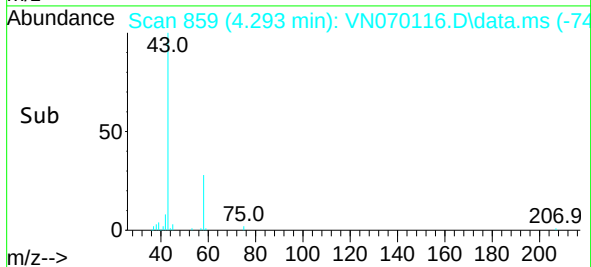
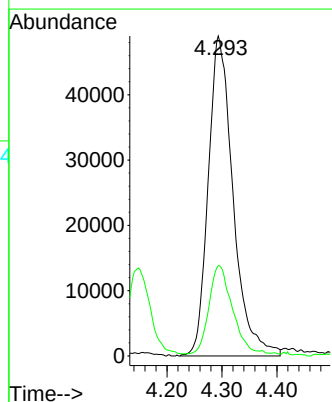
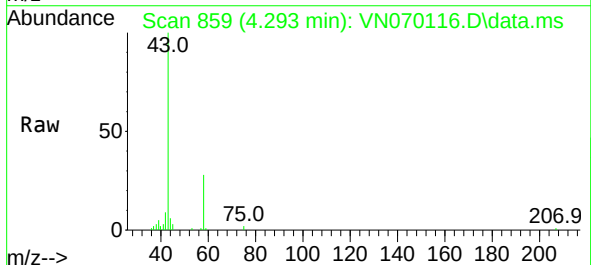


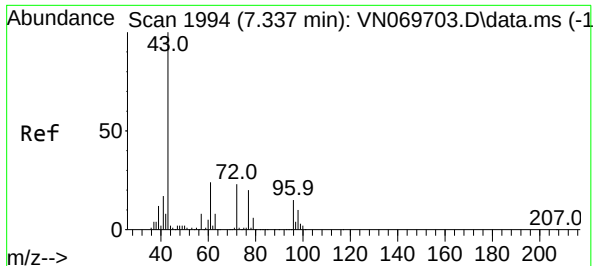
Tgt Ion: 56 Resp: 3993
Ion Ratio Lower Upper
56 100
55 49.8 56.6 85.0#



#16
Acetone
Concen: 14.401 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

Tgt Ion: 43 Resp: 153891
Ion Ratio Lower Upper
43 100
58 27.6 23.1 34.7





#25

2-Butanone

Concen: 1.444 ug/l

RT: 7.351 min Scan# 1994

Delta R.T. 0.013 min

Lab File: VN070116.D

Acq: 15 Dec 2021 17:09

Instrument :

MSVOA_N

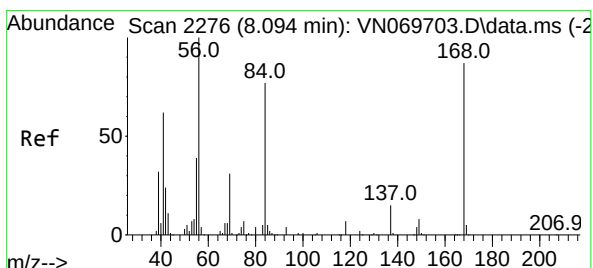
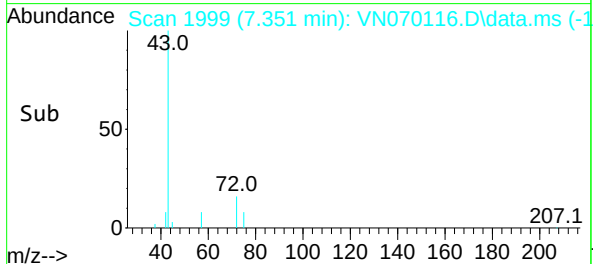
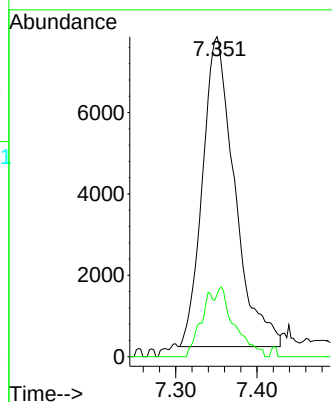
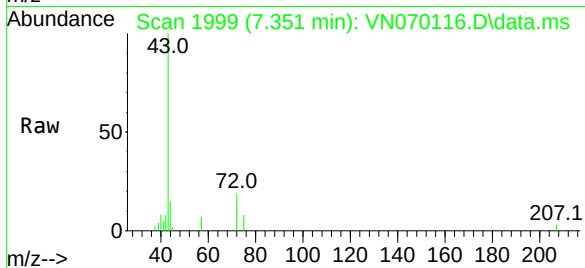
ClientSampleId :

Tgt Ion: 43 Resp: 20959

Ion Ratio Lower Upper

43 100

72 20.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070116.D

Acq: 15 Dec 2021 17:09

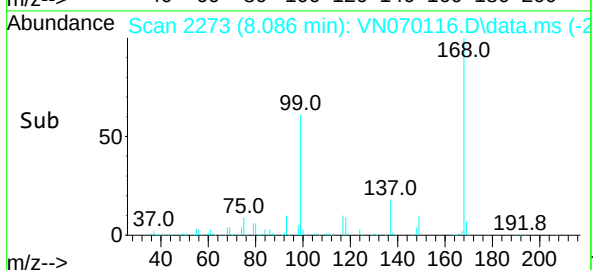
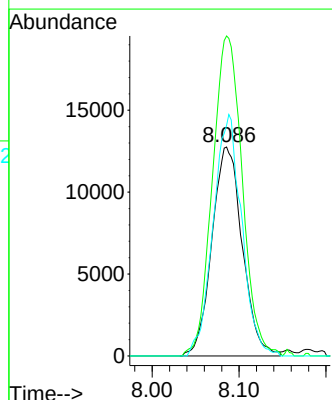
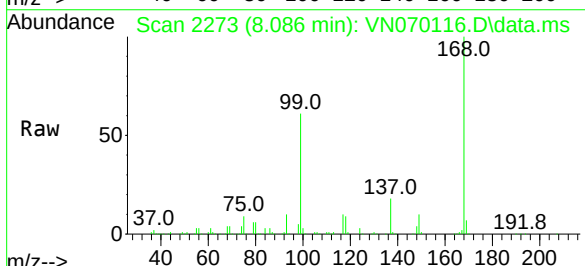
Tgt Ion: 56 Resp: 30918

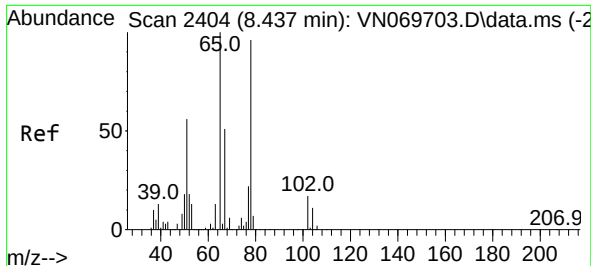
Ion Ratio Lower Upper

56 100

69 153.2 27.1 40.7#

84 110.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.668 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070116.D

Acq: 15 Dec 2021 17:09

Instrument :

MSVOA_N

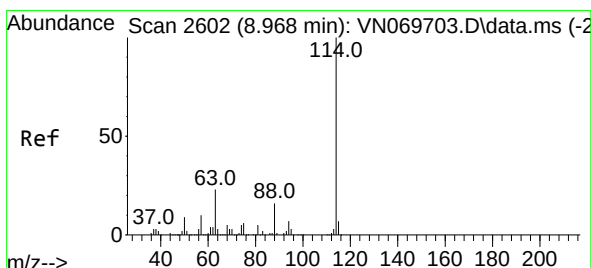
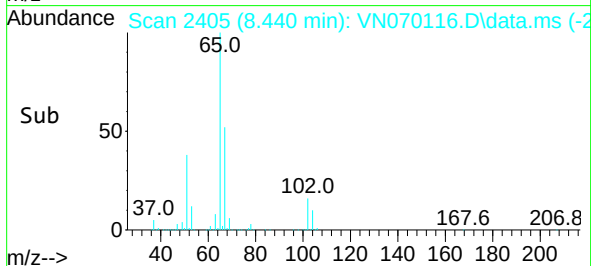
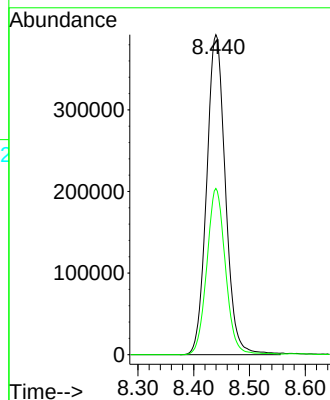
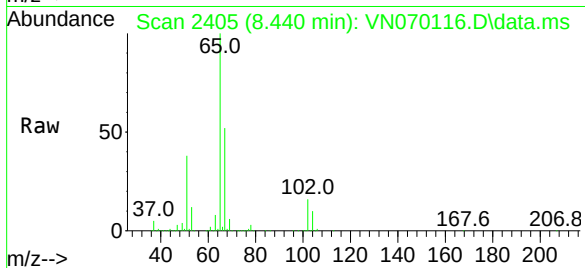
ClientSampleId :

Tgt Ion: 65 Resp: 917863

Ion Ratio Lower Upper

65 100

67 51.4 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: VN070116.D

Acq: 15 Dec 2021 17:09

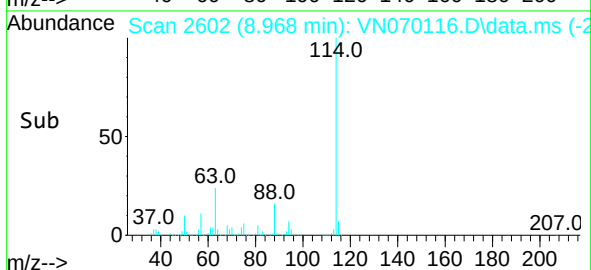
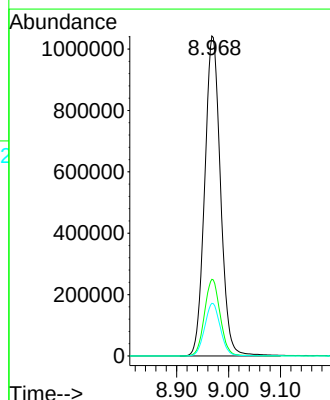
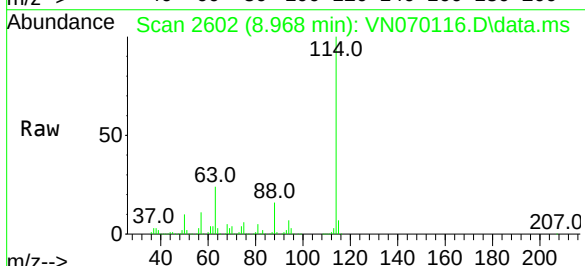
Tgt Ion: 114 Resp: 2202079

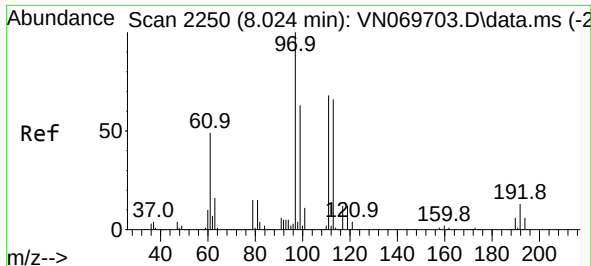
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

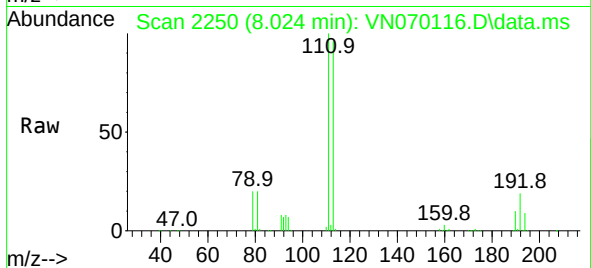
88 16.5 0.0 27.4



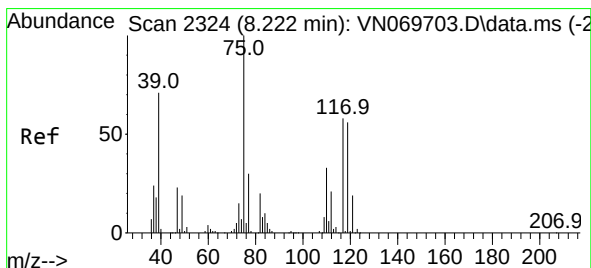
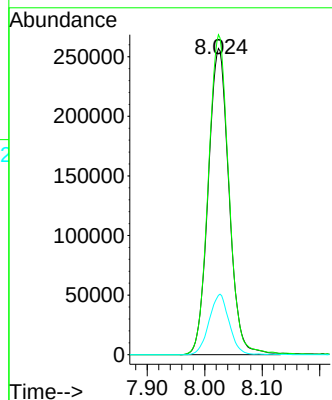
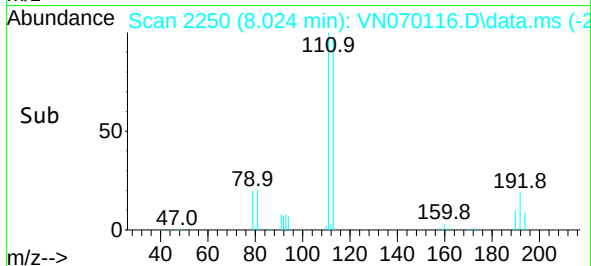


#35
Dibromofluoromethane
Concen: 46.736 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

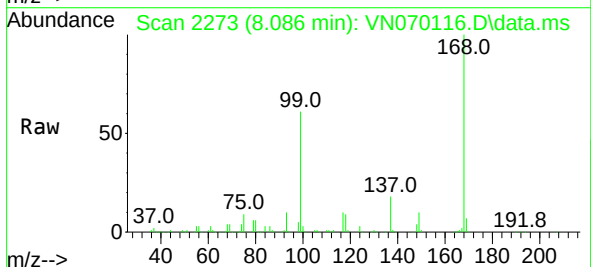
Instrument :
MSVOA_N
ClientSampleId :



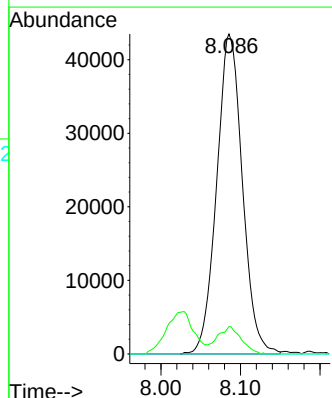
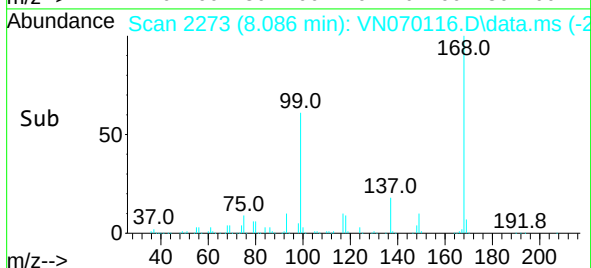
Tgt Ion:113 Resp: 644646
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.0 16.9 25.3

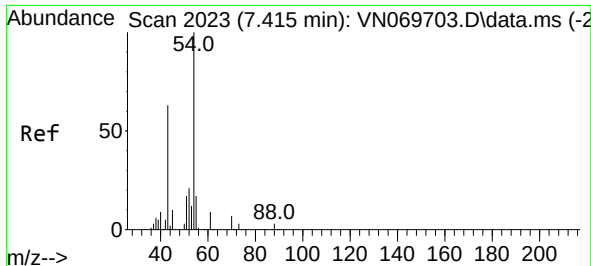


#36
1,1-Dichloropropene
Concen: 4.657 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09



Tgt Ion: 75 Resp: 97631
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.672 ug/l

RT: 7.351 min Scan# 19

Delta R.T. -0.064 min

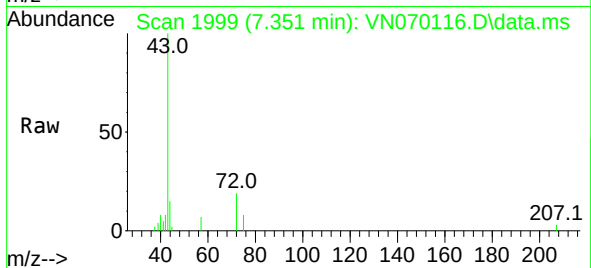
Lab File: VN070116.D

Acq: 15 Dec 2021 17:09

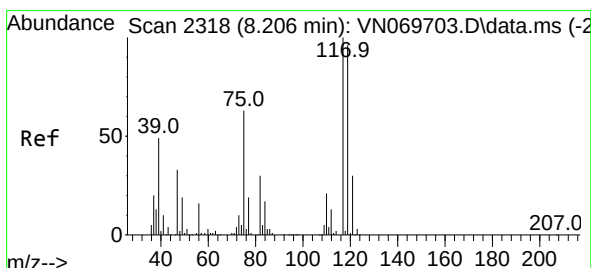
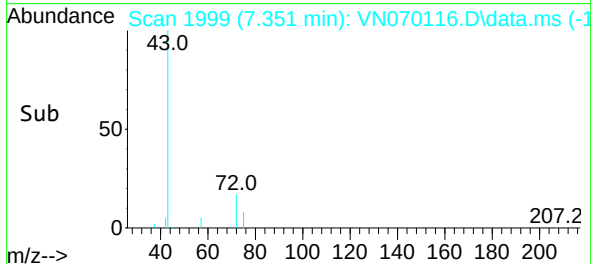
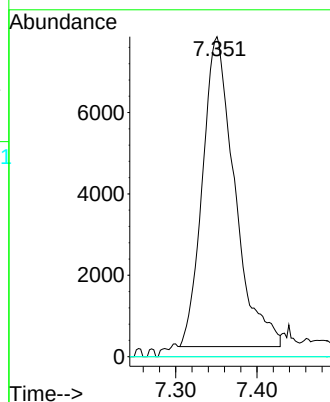
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	20959
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 5.777 ug/l

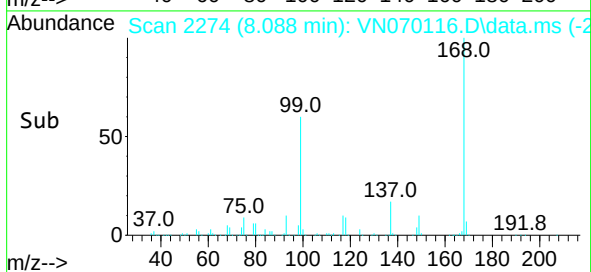
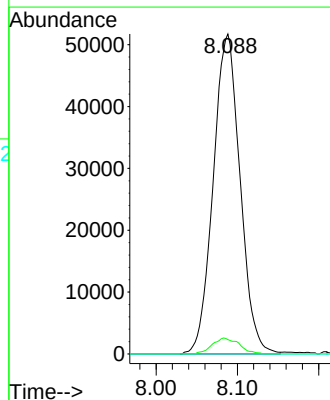
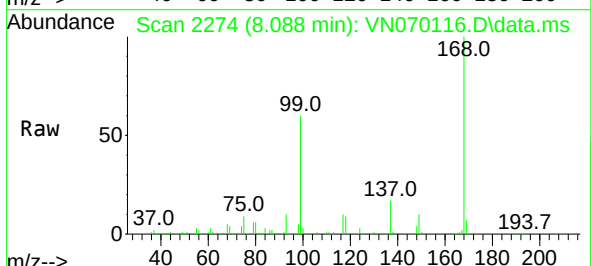
RT: 8.088 min Scan# 2274

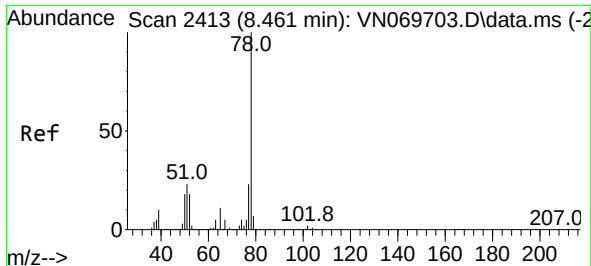
Delta R.T. -0.118 min

Lab File: VN070116.D

Acq: 15 Dec 2021 17:09

Tgt Ion:	117	Resp:	118747
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	0.0	24.2	36.2#

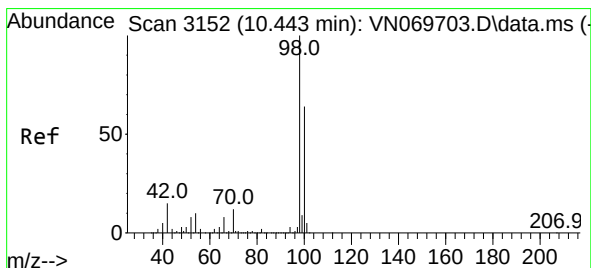
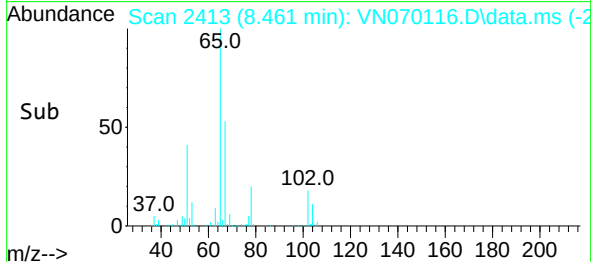
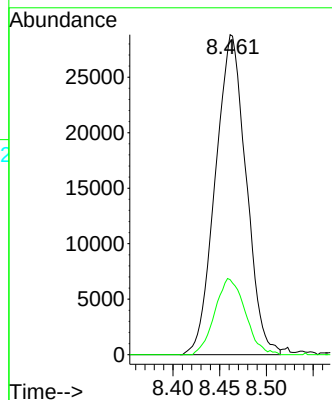
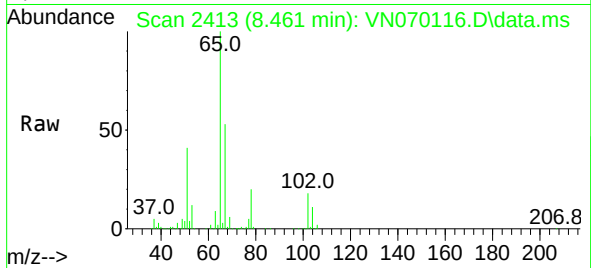




#40
Benzene
Concen: 1.030 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

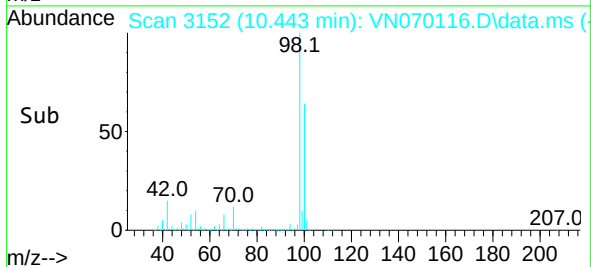
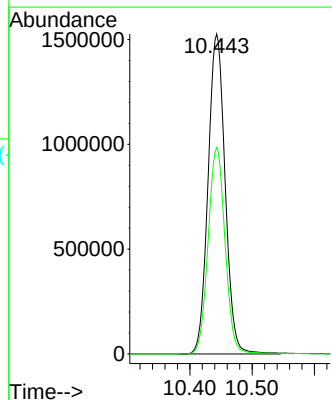
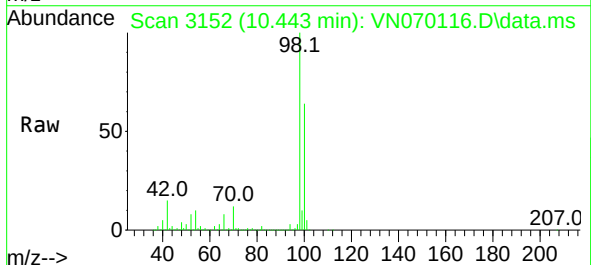
Instrument :
MSVOA_N
ClientSampleId :

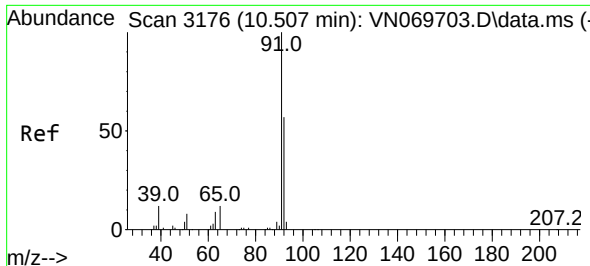
Tgt Ion: 78 Resp: 65967
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8



#50
Toluene-d8
Concen: 52.405 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

Tgt Ion: 98 Resp: 2902439
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

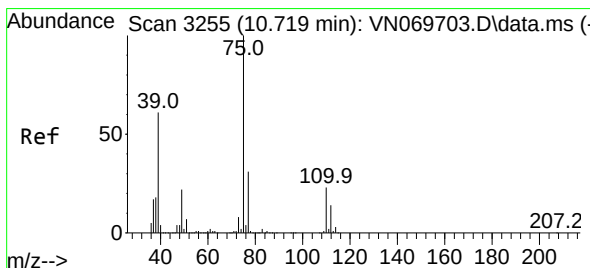
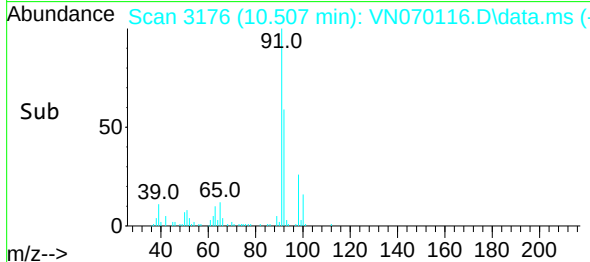
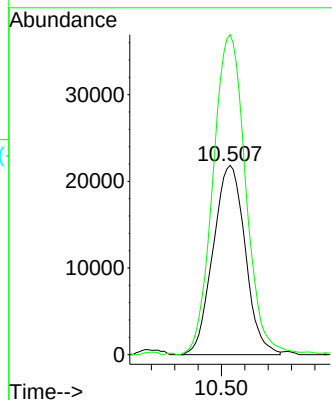
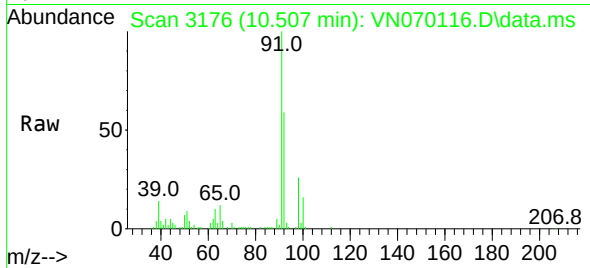




#52
Toluene
Concen: 1.066 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

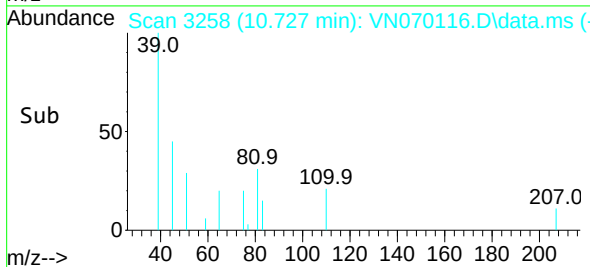
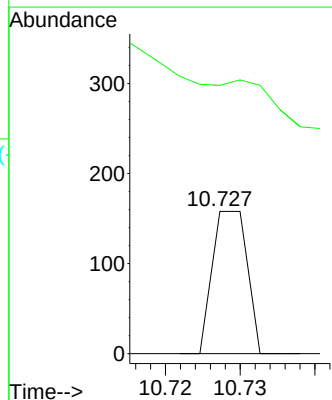
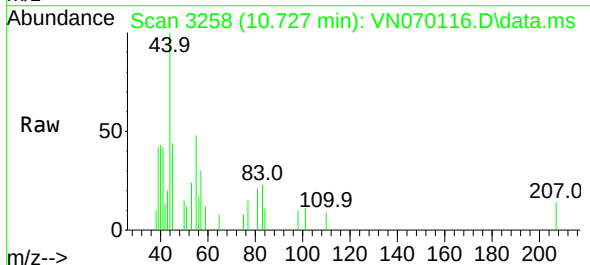
Instrument :
MSVOA_N
ClientSampleId :

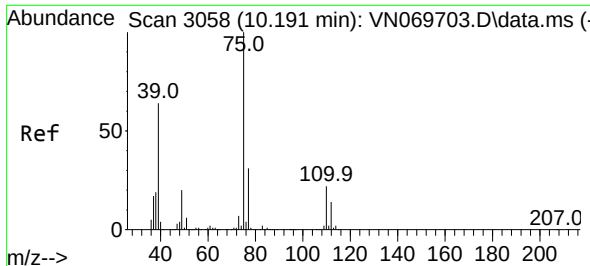
Tgt Ion: 92 Resp: 41683
Ion Ratio Lower Upper
92 100
91 172.2 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.008 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

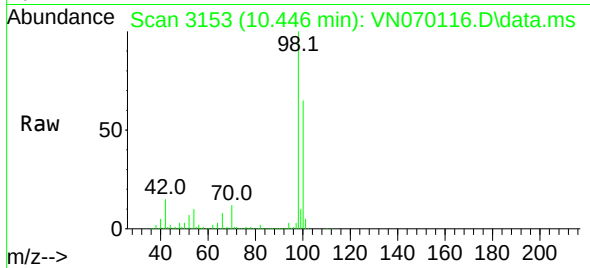
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 17.1 25.6 38.4#



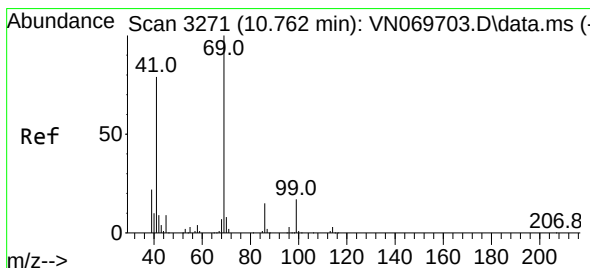
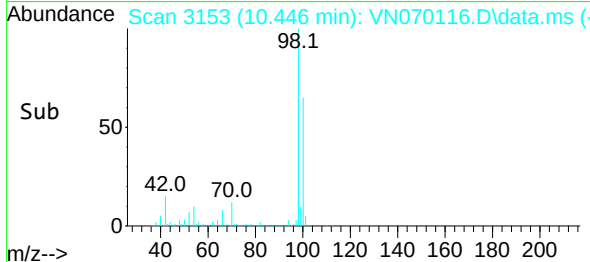
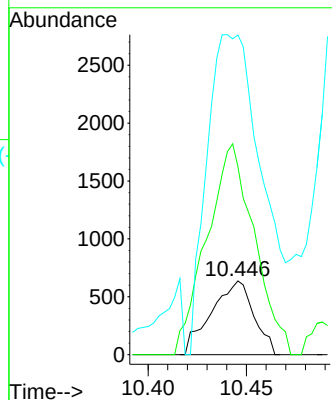


#54
 cis-1,3-Dichloropropene
 Concen: 2.033 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. 0.255 min
 Lab File: VN070116.D
 Acq: 15 Dec 2021 17:09

Instrument :
 MSVOA_N
 ClientSampleId :

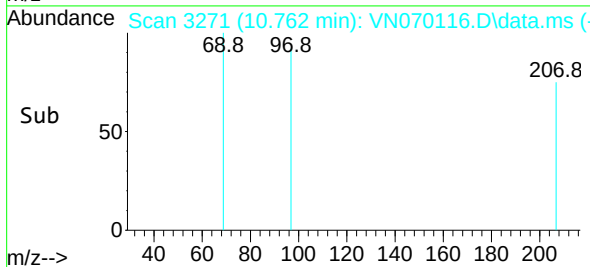
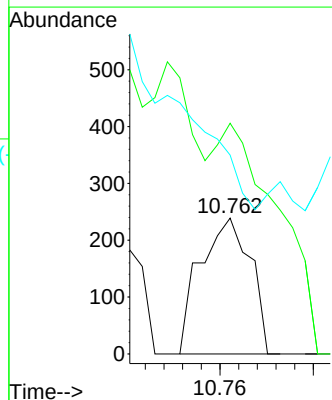
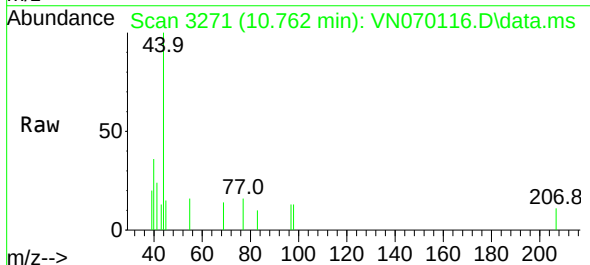


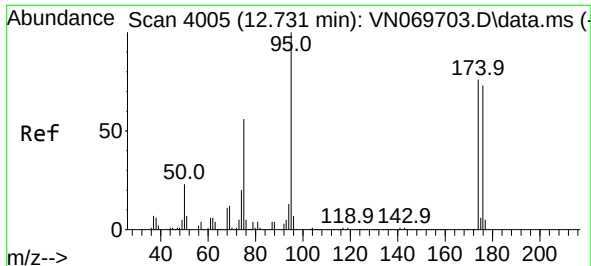
Tgt Ion: 75 Resp: 957
 Ion Ratio Lower Upper
 75 100
 77 222.1 26.4 39.6#
 39 330.3 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.285 ug/l
 RT: 10.762 min Scan# 3271
 Delta R.T. 0.000 min
 Lab File: VN070116.D
 Acq: 15 Dec 2021 17:09

Tgt Ion: 69 Resp: 179
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 0.0 34.6 52.0#

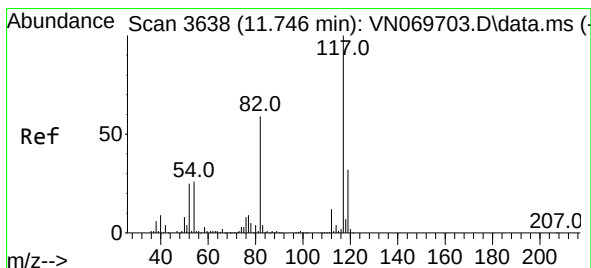
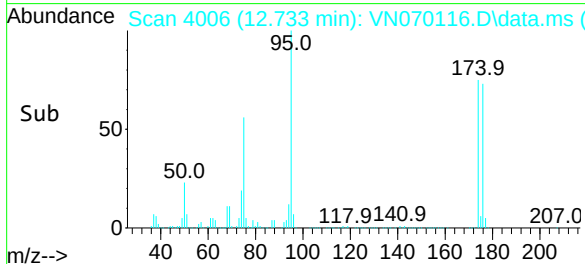
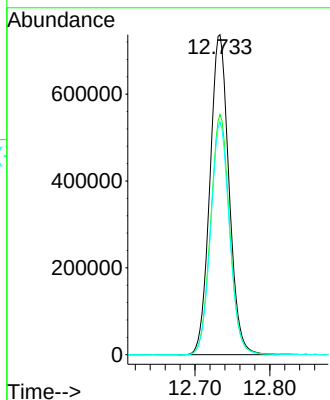
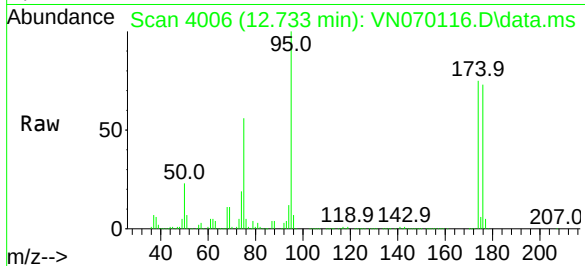




#62
4-Bromofluorobenzene
Concen: 65.044 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

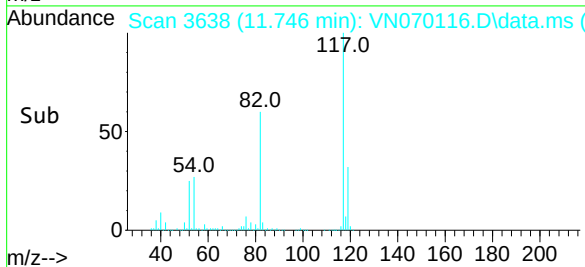
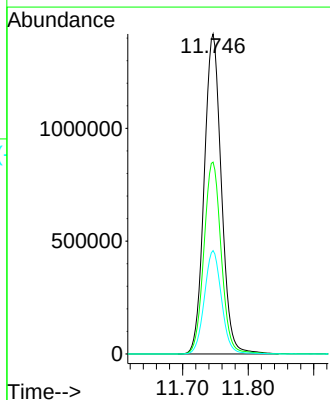
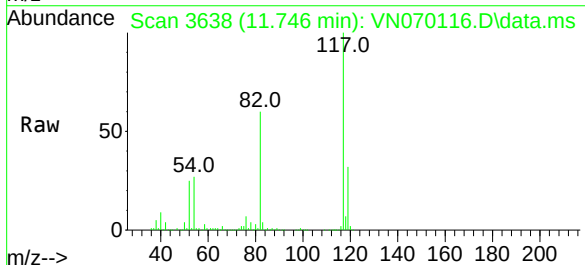
Instrument :
MSVOA_N
ClientSampleId :

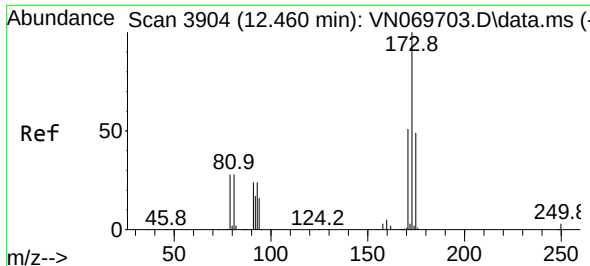
Tgt Ion: 95 Resp: 1305098
Ion Ratio Lower Upper
95 100
174 74.7 0.0 187.2
176 72.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

Tgt Ion: 117 Resp: 2574567
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.3 25.4 38.2

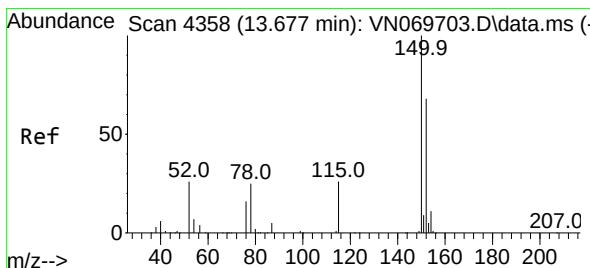
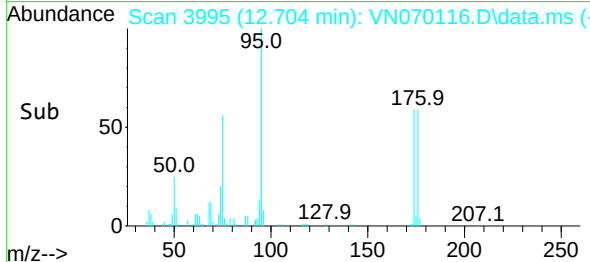
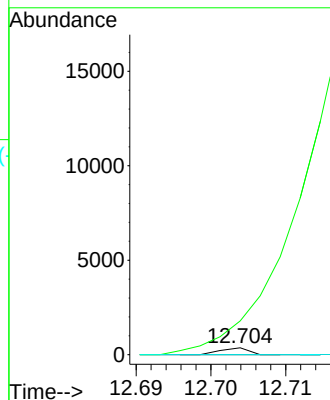
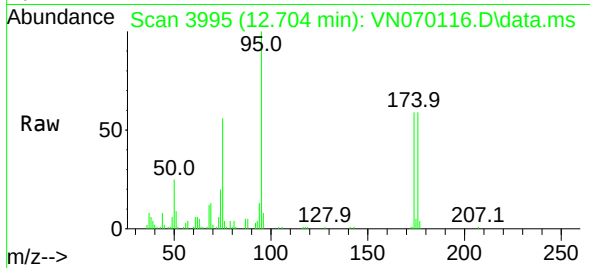




#71
Bromoform
Concen: 2.737 ug/l
RT: 12.704 min Scan# 3904
Delta R.T. 0.244 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

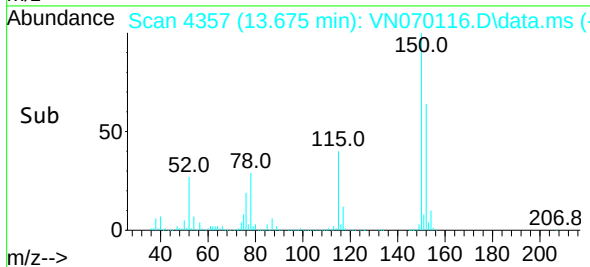
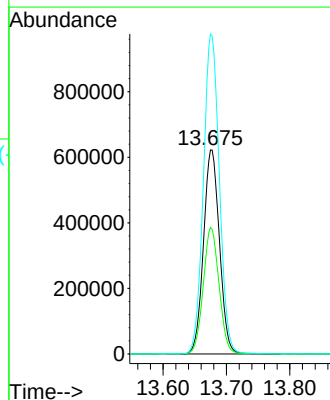
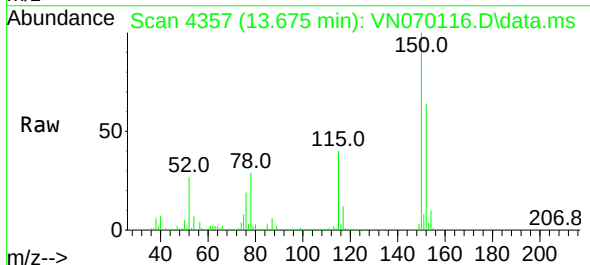
Instrument :
MSVOA_N
ClientSampleId :

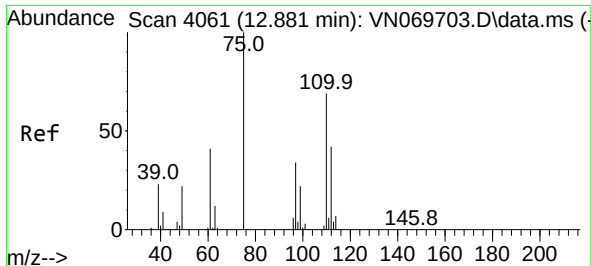
Tgt Ion:173 Resp: 94
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

Tgt Ion:152 Resp: 1087927
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 157.0 0.0 344.4

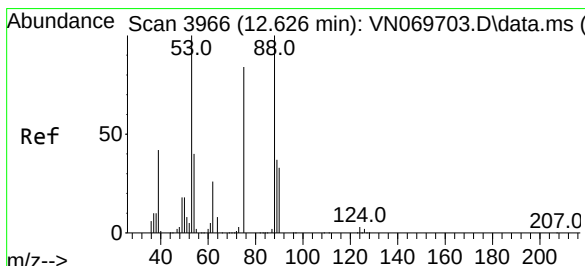
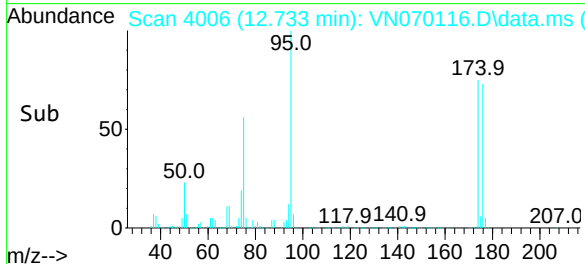
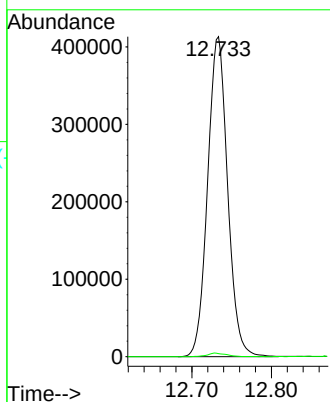
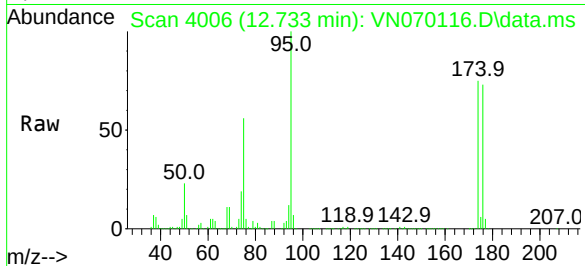




#76
1,2,3-Trichloropropane
Concen: 23.121 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

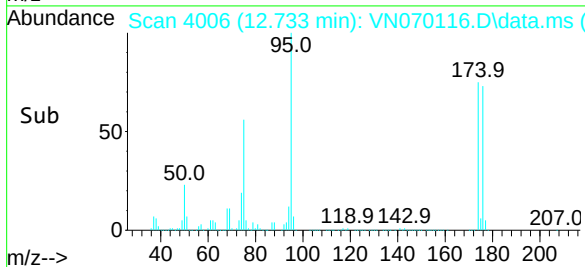
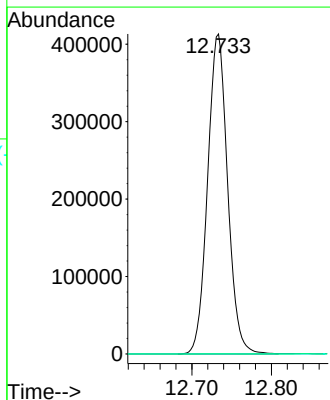
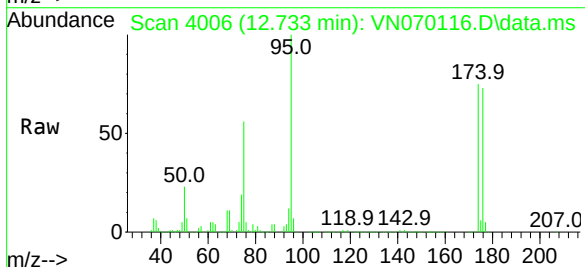
Instrument :
MSVOA_N
ClientSampleId :

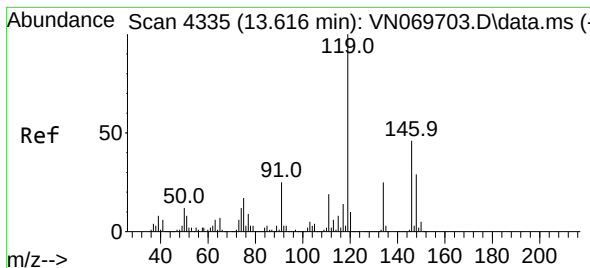
Tgt Ion: 75 Resp: 721344
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.586 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

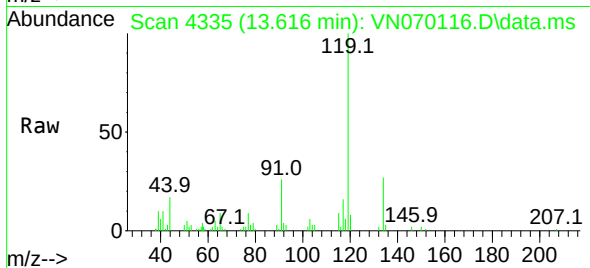
Tgt Ion: 75 Resp: 721344
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



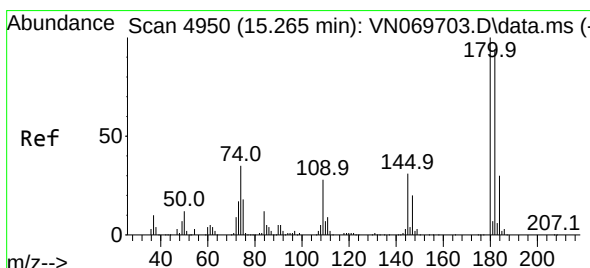
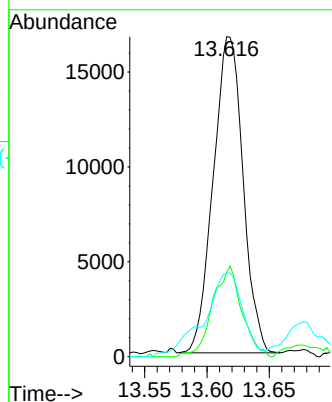
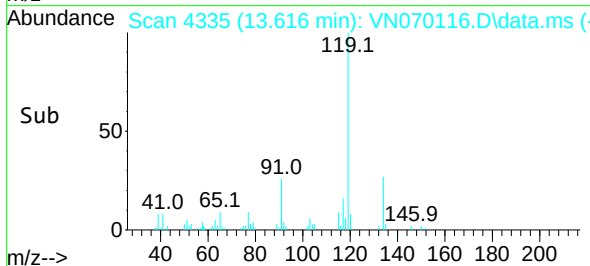


#86
p-Isopropyltoluene
Concen: 0.379 ug/l
RT: 13.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

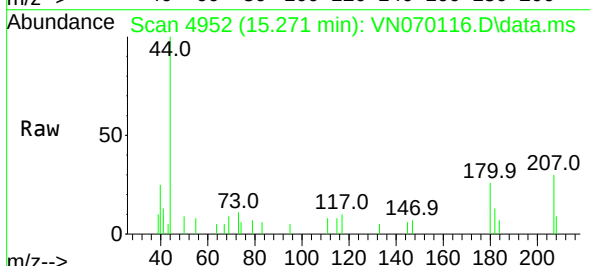
Instrument :
MSVOA_N
ClientSampleId :



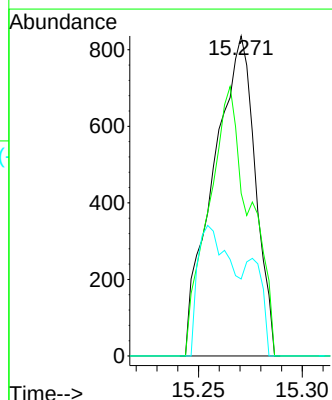
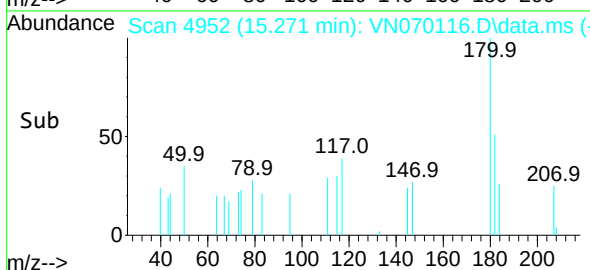
Tgt Ion:119 Resp: 27708
Ion Ratio Lower Upper
119 100
134 28.2 13.6 40.7
91 34.3 11.4 34.1#

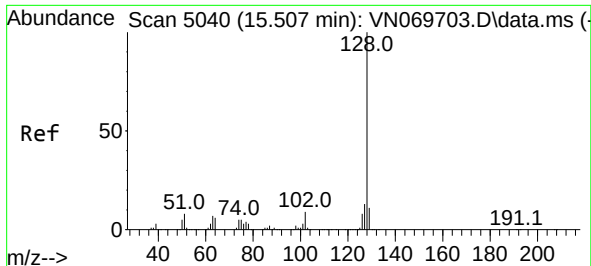


#93
1,2,4-Trichlorobenzene
Concen: 2.940 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09



Tgt Ion:180 Resp: 1172
Ion Ratio Lower Upper
180 100
182 83.2 48.3 144.9
145 12.6 14.5 43.5#

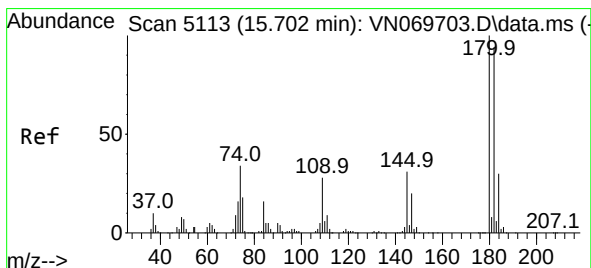
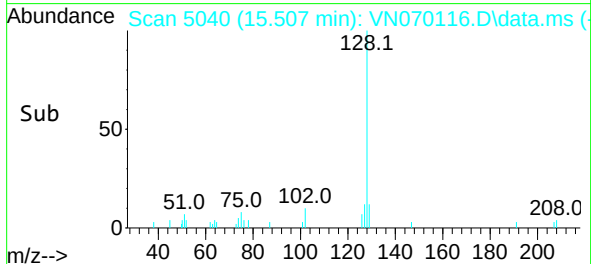
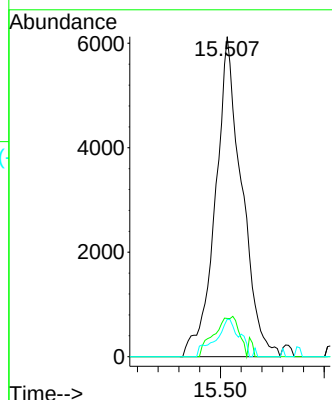
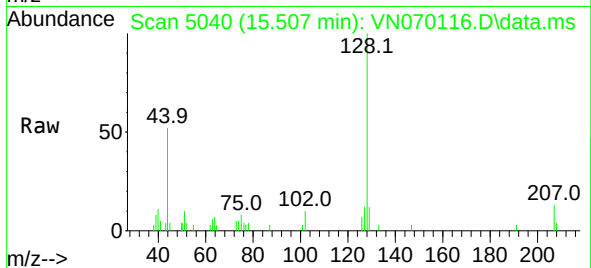




#95
Naphthalene
Concen: 4.172 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 10822
Ion Ratio Lower Upper
128 100
127 11.9 10.5 15.7
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.482 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN070116.D
Acq: 15 Dec 2021 17:09

Tgt Ion:180 Resp: 851
Ion Ratio Lower Upper
180 100
182 78.6 47.4 142.2
145 69.0 15.0 45.1#

