

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120621\
 Data File : VN069792.D
 Acq On : 6 Dec 2021 18:53
 Operator : JC/MD
 Sample : M4950-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 03:50:07 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)

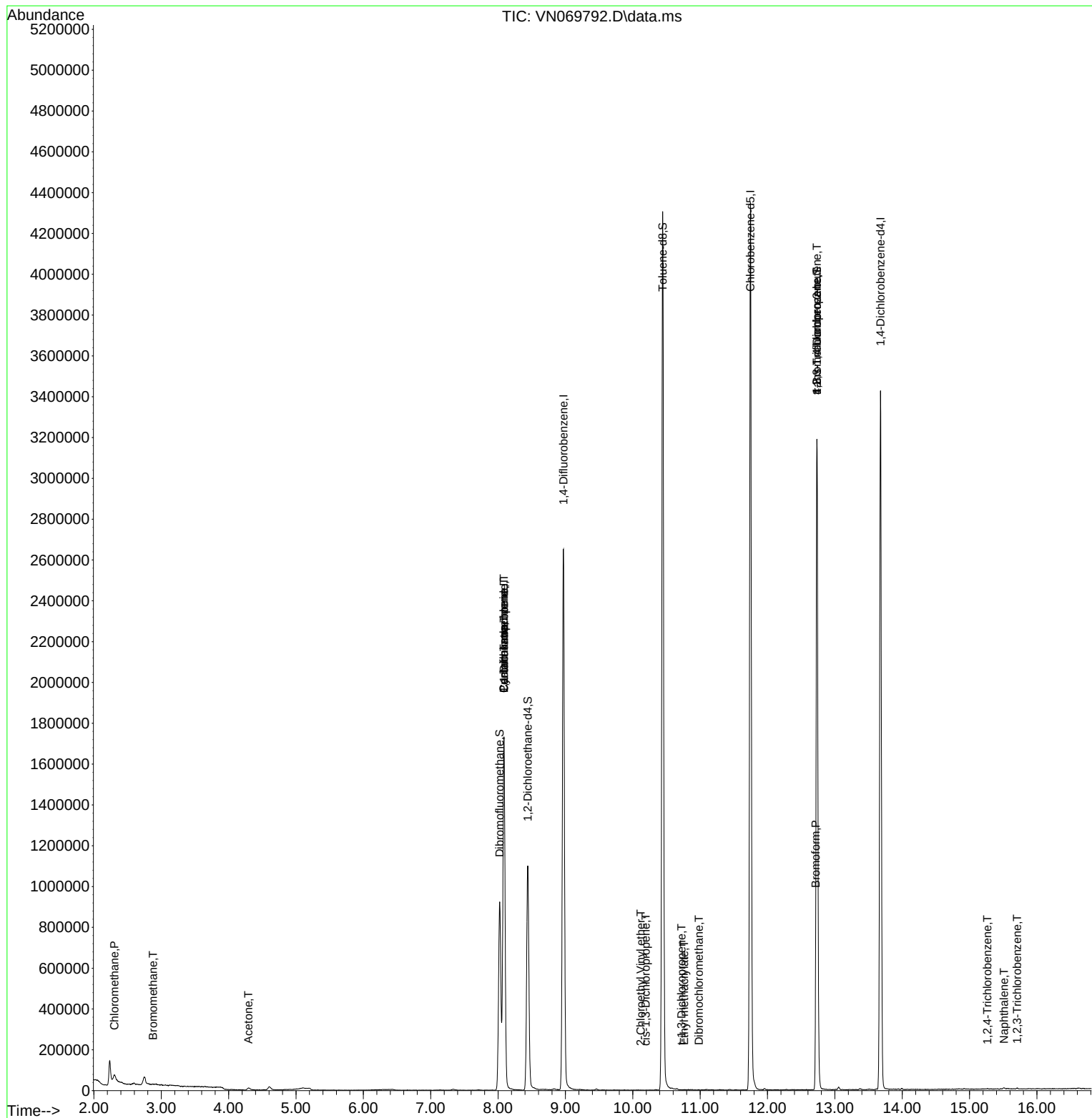
Internal Standards						
1) Pentafluorobenzene	8.088	168	1280832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2257044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2394115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	902508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	946785	47.875	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.760%
35) Dibromofluoromethane	8.024	113	664425	46.997	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.000%
50) Toluene-d8	10.443	98	2914201	51.336	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.680%
62) 4-Bromofluorobenzene	12.733	95	1101650	53.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	5124	0.274	ug/l	95
5) Bromomethane	2.877	94	3219	0.344	ug/l #	67
16) Acetone	4.293	43	16657	1.400	ug/l	94
31) Cyclohexane	8.086	56	33021	1.200	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	106534	4.958	ug/l #	49
38) Carbon Tetrachloride	8.086	117	131793	6.255	ug/l #	16
53) t-1,3-Dichloropropene	10.722	75	158	2.800	ug/l #	80
54) cis-1,3-Dichloropropene	10.194	75	58	2.001	ug/l #	39
56) Ethyl methacrylate	10.762	69	150	2.284	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.119	63	26	18.392	ug/l #	45
60) Dibromochloromethane	10.982	129	122	2.383	ug/l #	11
71) Bromoform	12.715	173	727	2.778	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	618306	23.890	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	618306	75.898	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	870	2.933	ug/l #	54
95) Naphthalene	15.512	128	5740	4.105	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.705	180	653	2.479	ug/l	70

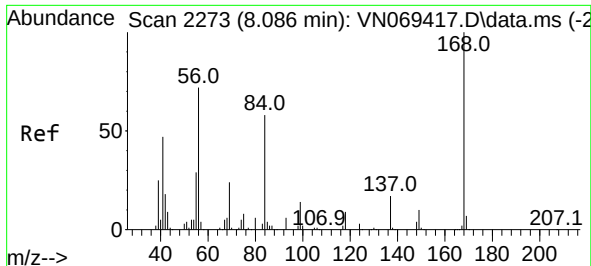
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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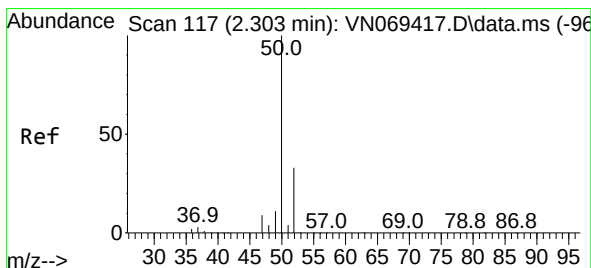
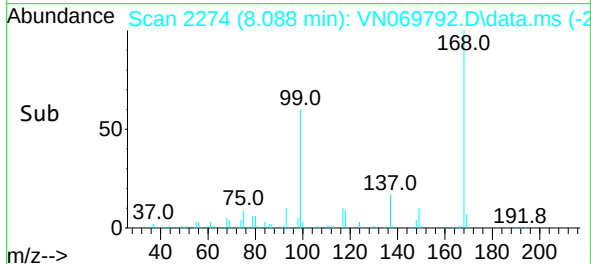
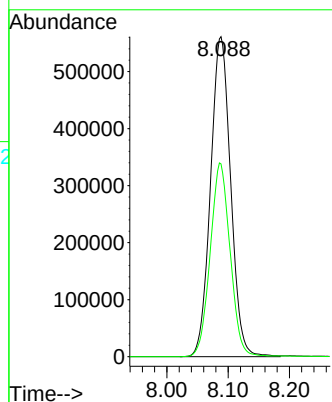
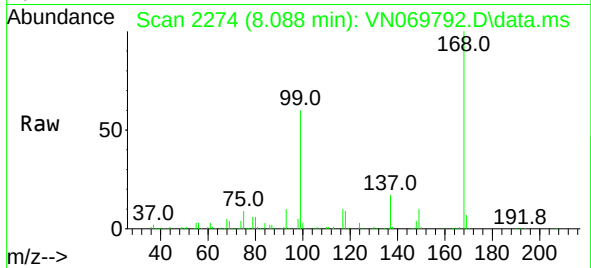




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

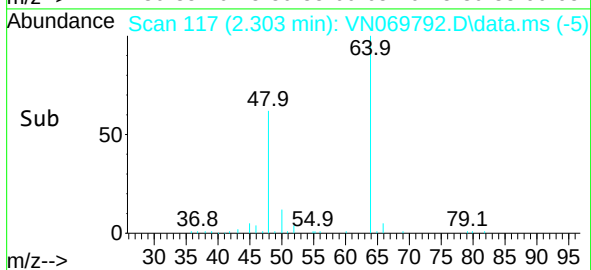
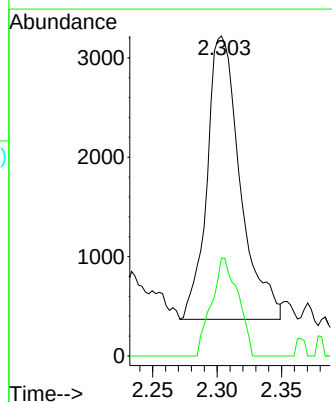
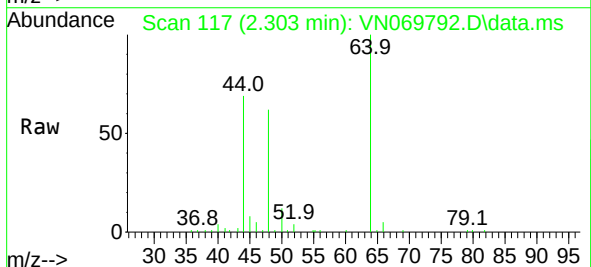
Instrument :
MSVOA_N
ClientSampleId :

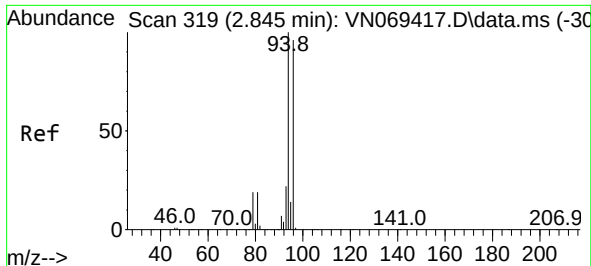
Tgt Ion:168 Resp: 1280832
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9



#3
Chloromethane
Concen: 0.274 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

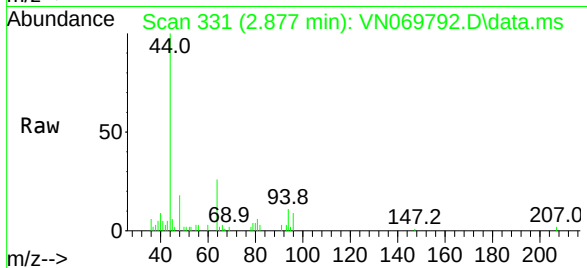
Tgt Ion: 50 Resp: 5124
Ion Ratio Lower Upper
50 100
52 34.5 25.4 38.0



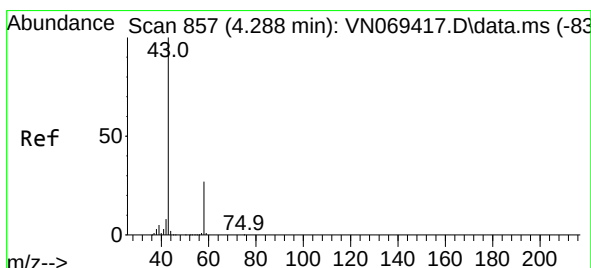
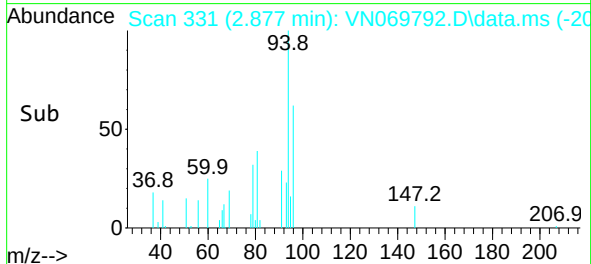
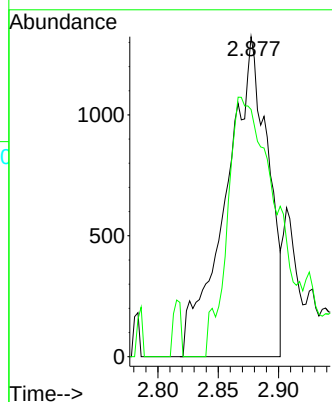


#5
Bromomethane
Concen: 0.344 ug/l
RT: 2.877 min Scan# 319
Delta R.T. 0.040 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

Instrument :
MSVOA_N
ClientSampleId :

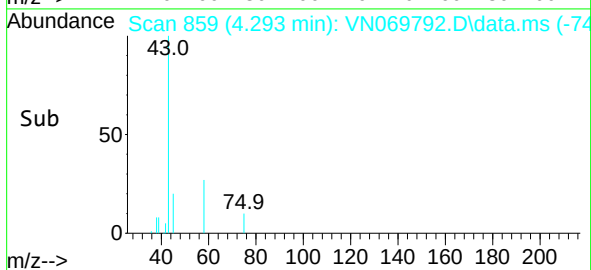
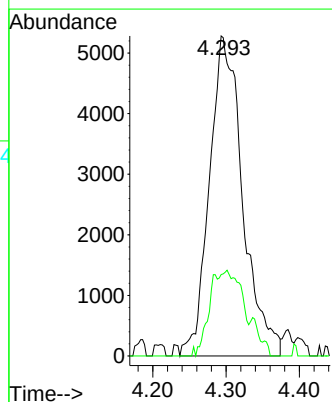
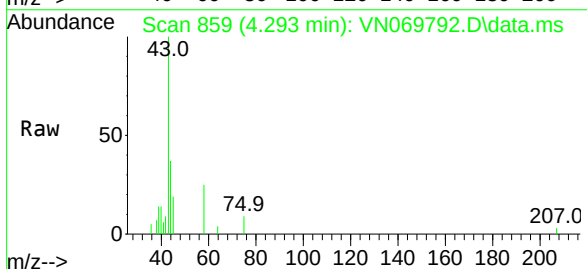


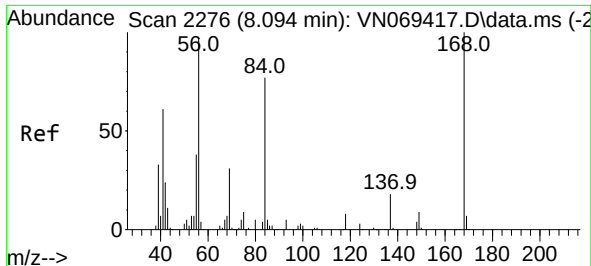
Tgt Ion: 94 Resp: 3219
Ion Ratio Lower Upper
94 100
96 60.3 73.8 110.8#



#16
Acetone
Concen: 1.400 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

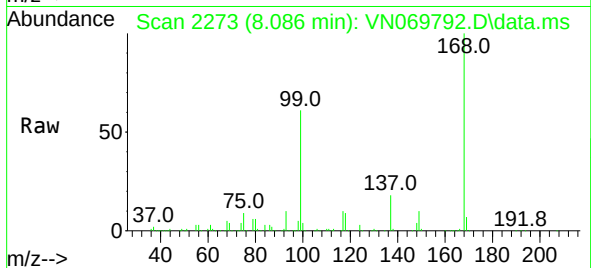
Tgt Ion: 43 Resp: 16657
Ion Ratio Lower Upper
43 100
58 25.5 23.1 34.7



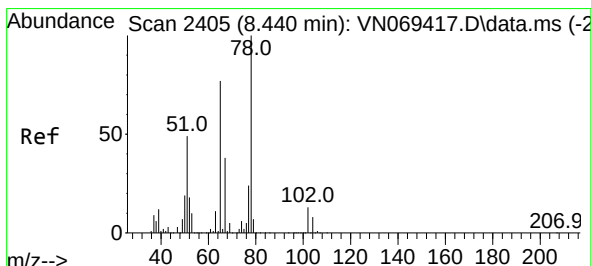
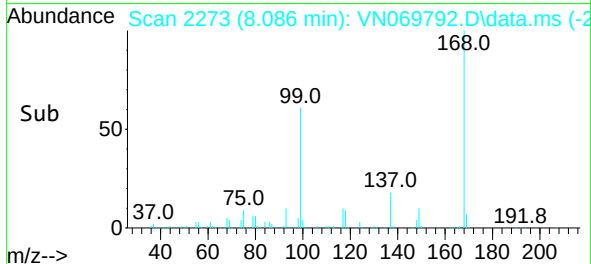
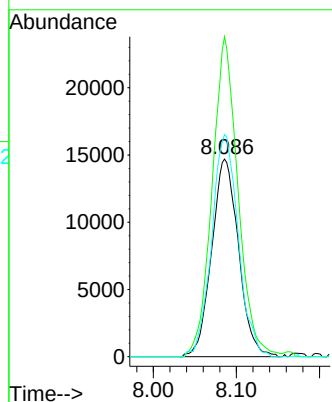


#31
Cyclohexane
Concen: 1.200 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

Instrument :
MSVOA_N
ClientSampleId :

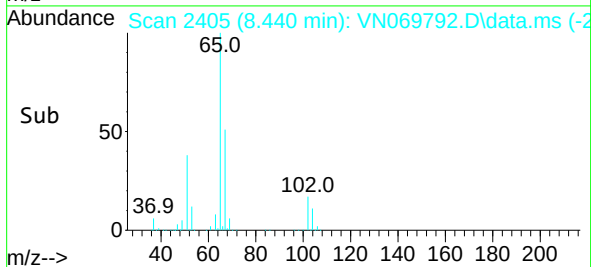
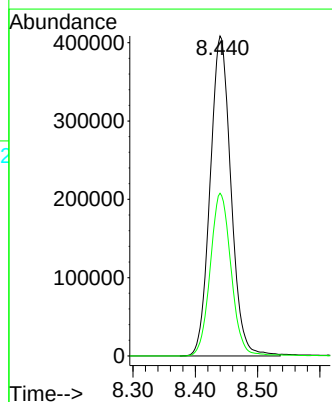
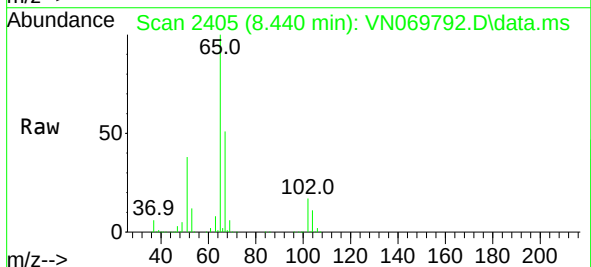


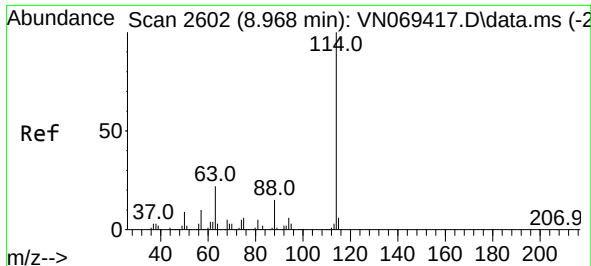
Tgt Ion: 56 Resp: 33021
Ion Ratio Lower Upper
56 100
69 161.9 27.1 40.7#
84 112.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.875 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

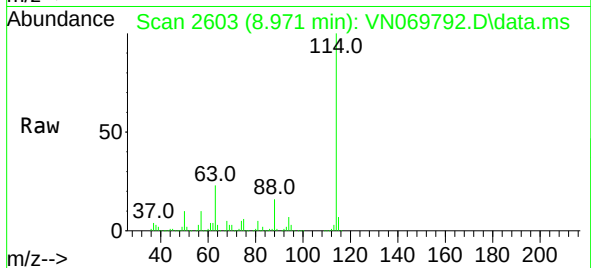
Tgt Ion: 65 Resp: 946785
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



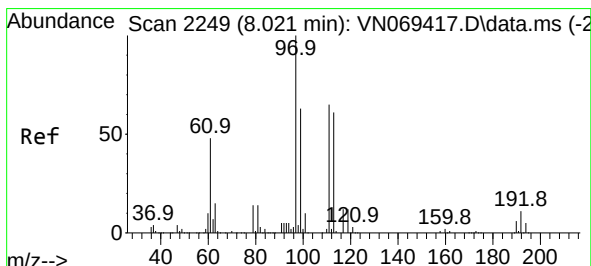
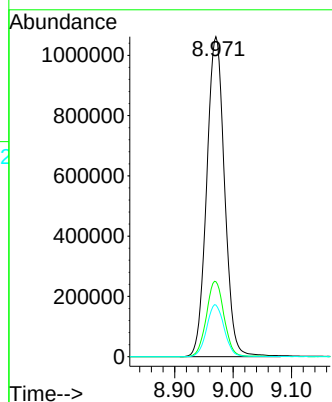
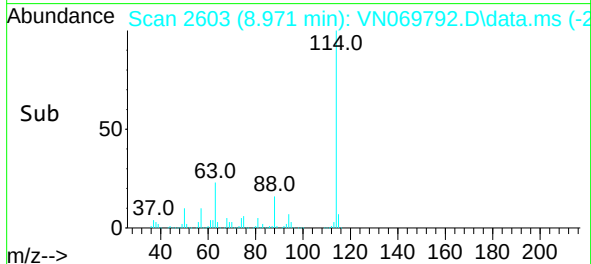


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

Instrument :
MSVOA_N
ClientSampleId :

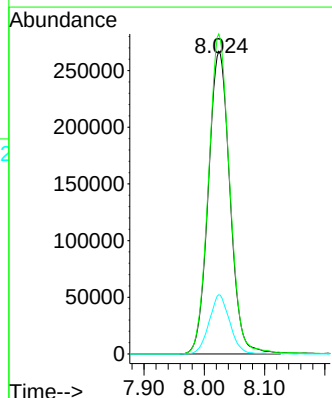
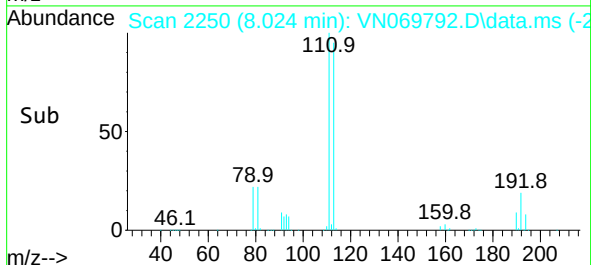
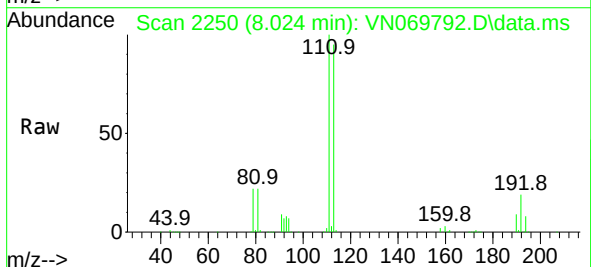


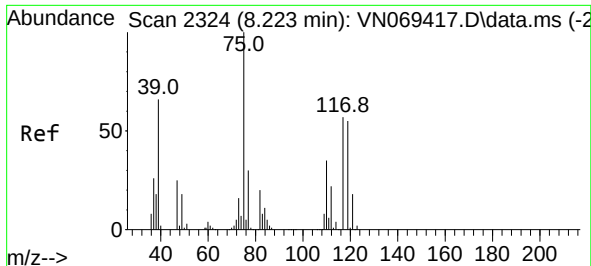
Tgt Ion:114 Resp: 2257044
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.997 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

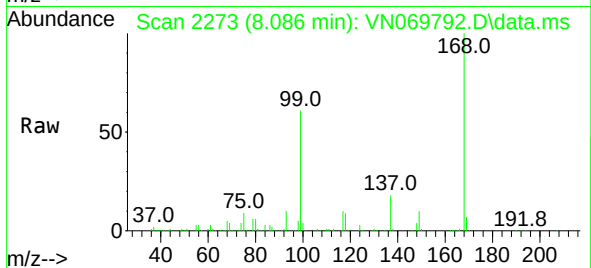
Tgt Ion:113 Resp: 664425
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.6 16.9 25.3



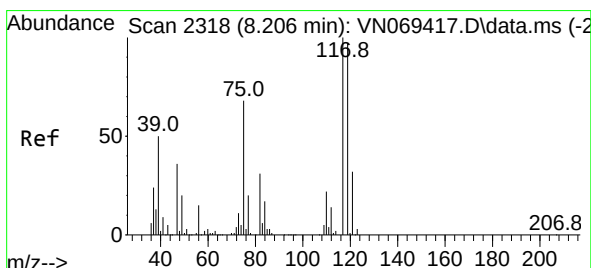
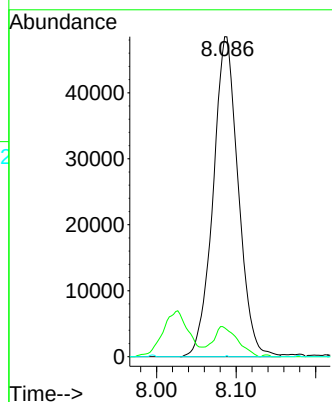
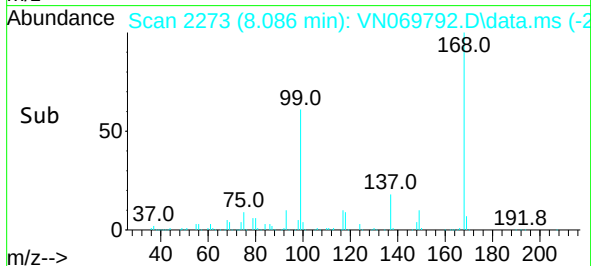


#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

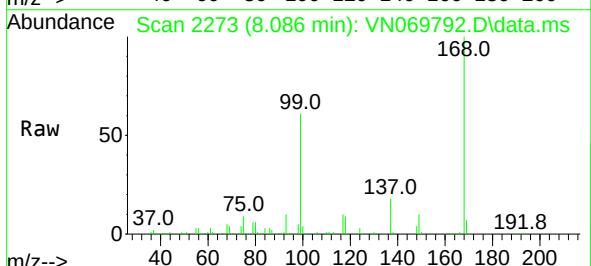
Instrument :
MSVOA_N
ClientSampleId :



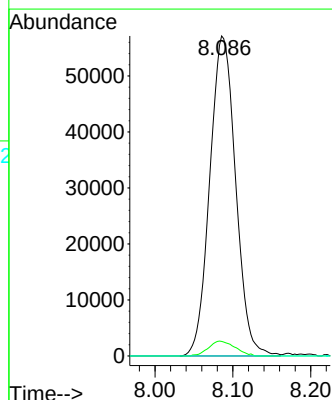
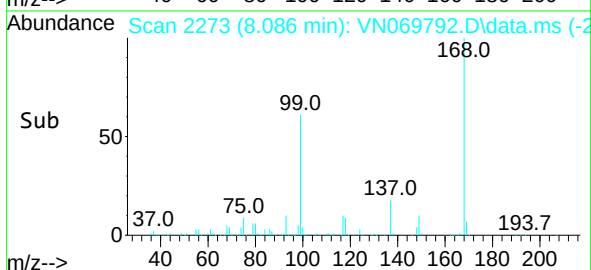
Tgt Ion: 75 Resp: 106534
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#

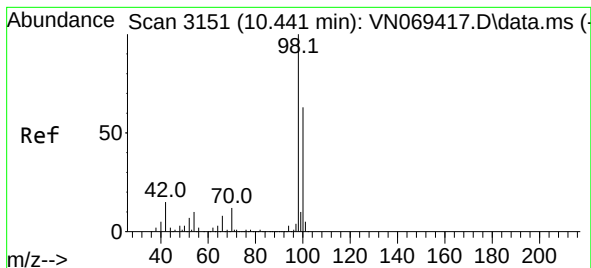


#38
Carbon Tetrachloride
Concen: 6.255 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53



Tgt Ion: 117 Resp: 131793
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 51.336 ug/l

RT: 10.443 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN069792.D

Acq: 6 Dec 2021 18:53

Instrument :

MSVOA_N

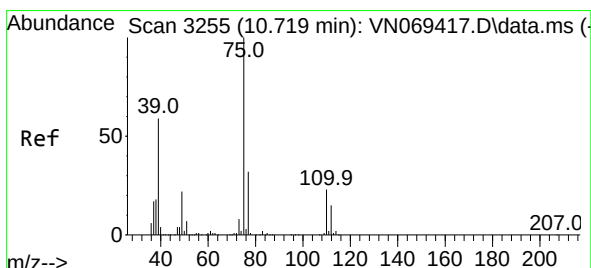
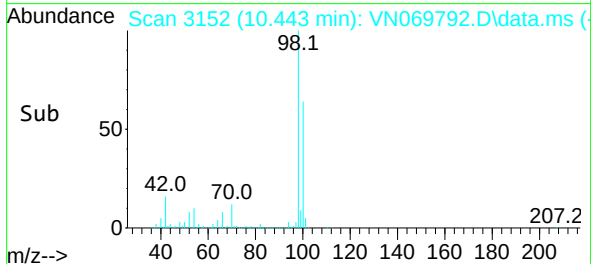
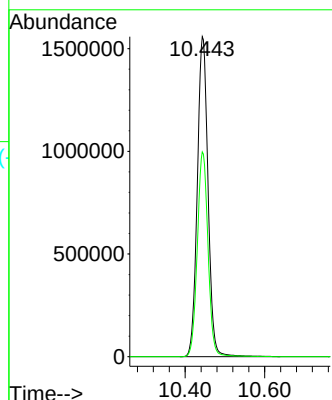
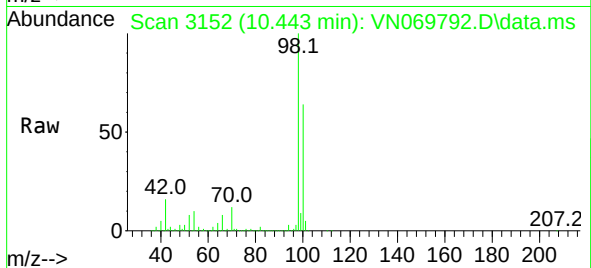
ClientSampleId :

Tgt Ion: 98 Resp: 2914201

Ion Ratio Lower Upper

98 100

100 63.9 50.4 75.6



#53

t-1,3-Dichloropropene

Concen: 2.800 ug/l

RT: 10.722 min Scan# 3256

Delta R.T. 0.003 min

Lab File: VN069792.D

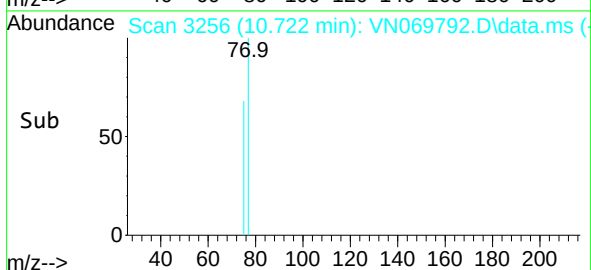
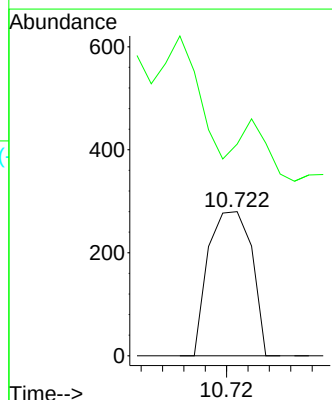
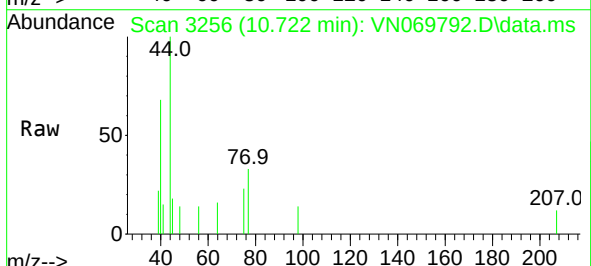
Acq: 6 Dec 2021 18:53

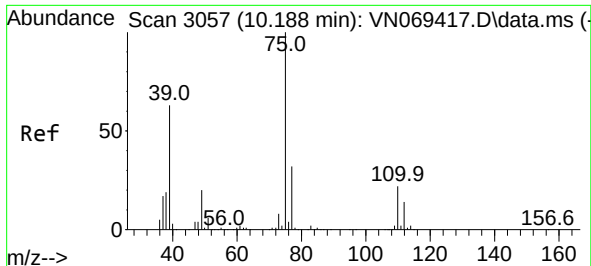
Tgt Ion: 75 Resp: 158

Ion Ratio Lower Upper

75 100

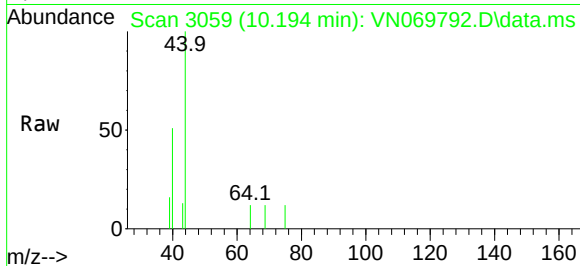
77 20.7 25.6 38.4#



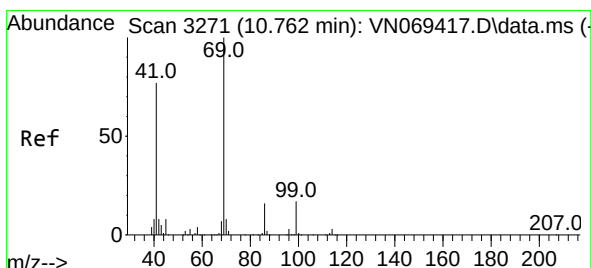
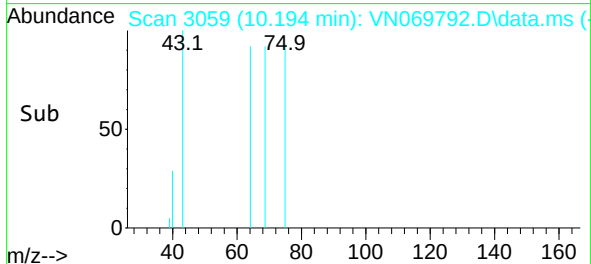
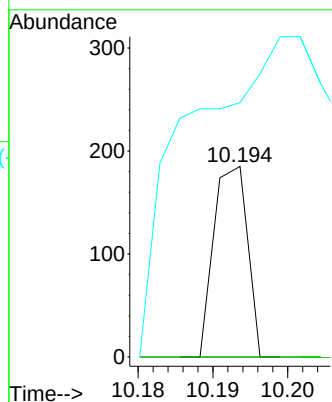


#54
cis-1,3-Dichloropropene
Concen: 2.001 ug/l
RT: 10.194 min Scan# 3059
Delta R.T. 0.003 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

Instrument :
MSVOA_N
ClientSampleId :

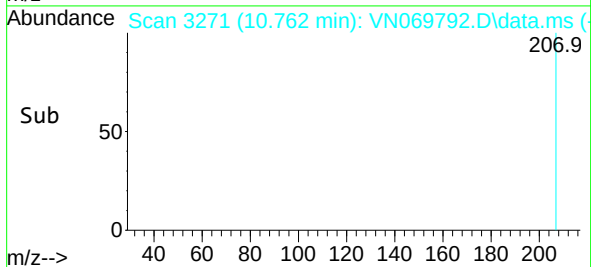
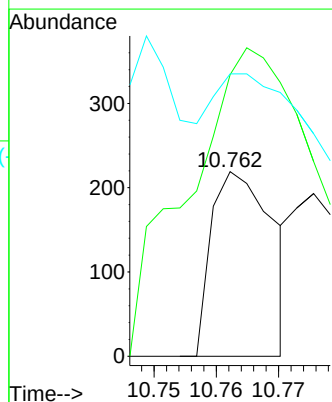
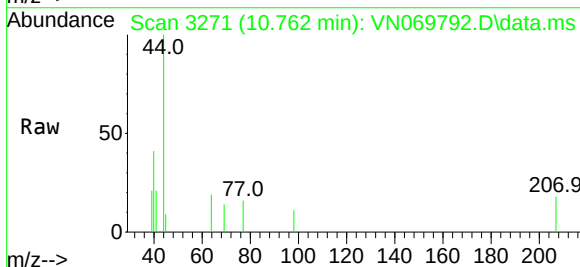


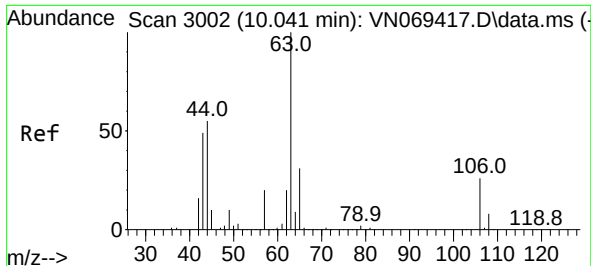
Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 8.1 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.284 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

Tgt Ion: 69 Resp: 150
Ion Ratio Lower Upper
69 100
41 345.3 51.4 77.0#
39 220.0 34.6 52.0#

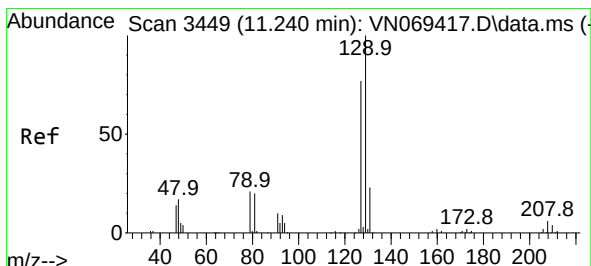
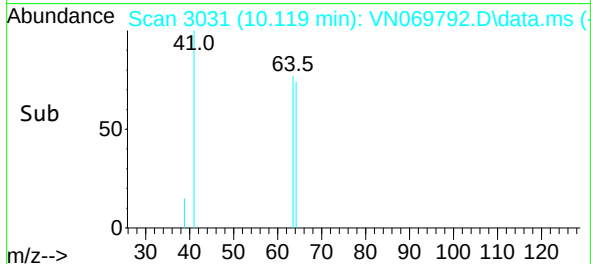
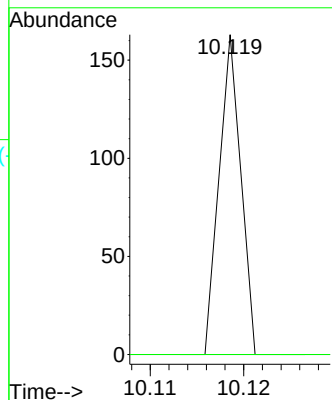
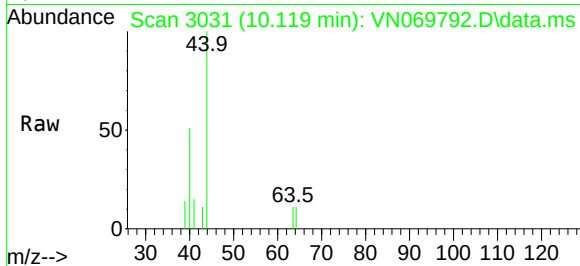




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.119 min Scan# 3002
Delta R.T. 0.076 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

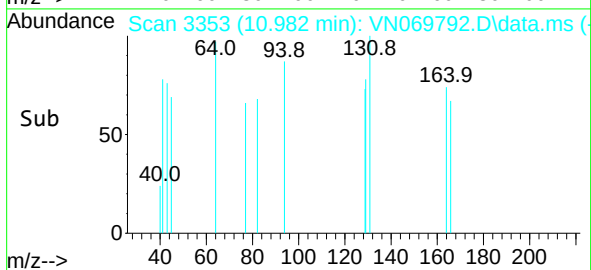
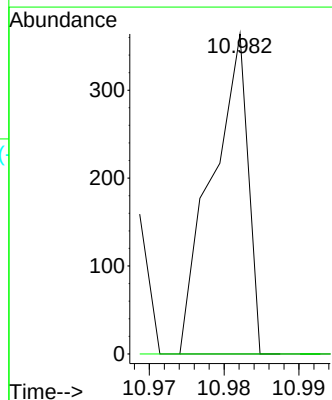
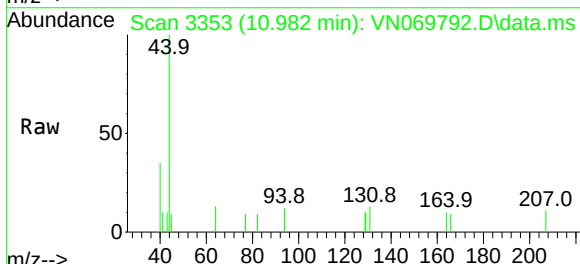
Instrument :
MSVOA_N
ClientSampleId :

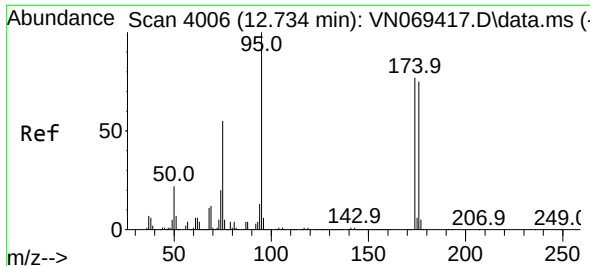
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.383 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

Tgt Ion: 129 Resp: 122
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

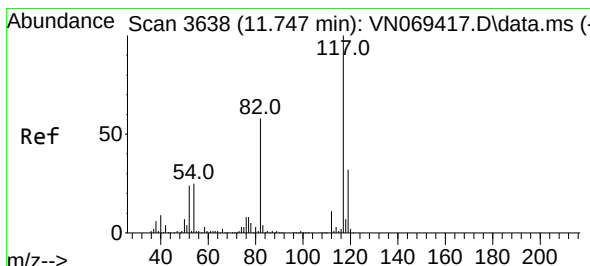
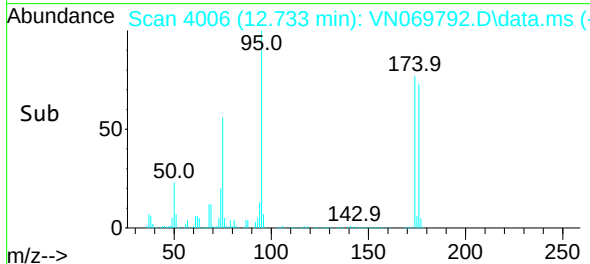
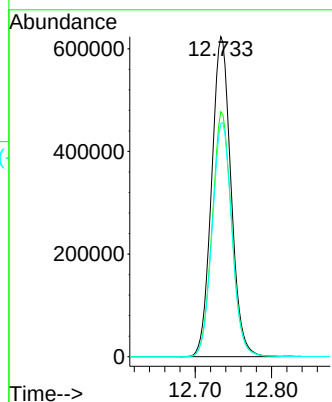
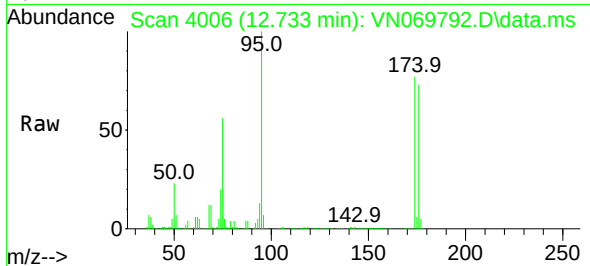




#62
4-Bromofluorobenzene
Concen: 53.568 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

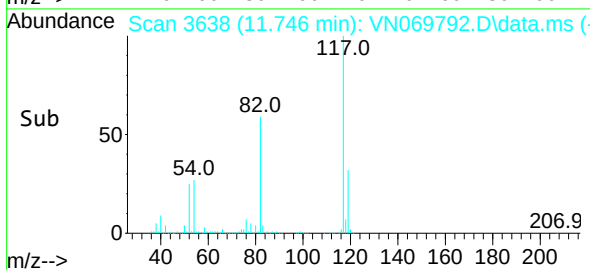
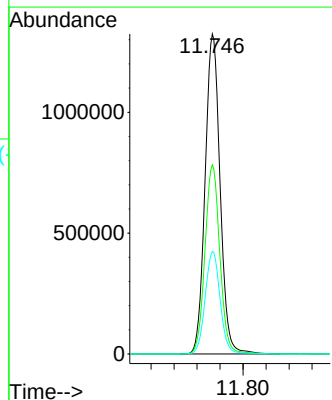
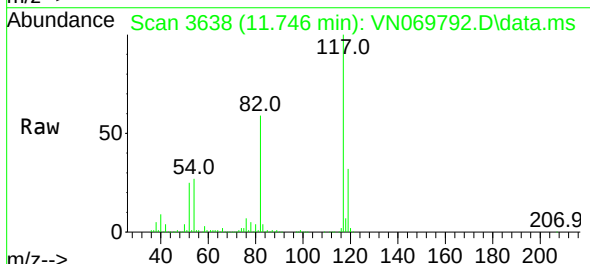
Instrument :
MSVOA_N
ClientSampleId :

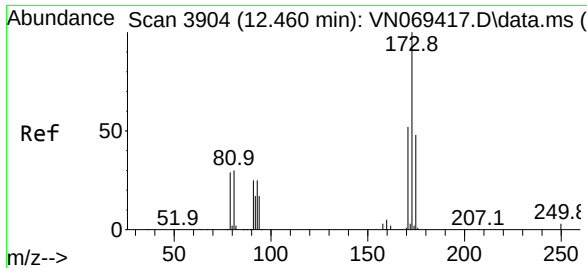
Tgt Ion: 95 Resp: 1101650
Ion Ratio Lower Upper
95 100
174 76.9 0.0 187.2
176 74.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

Tgt Ion: 117 Resp: 2394115
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.1 25.4 38.2

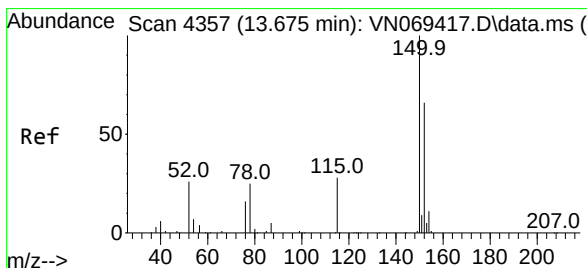
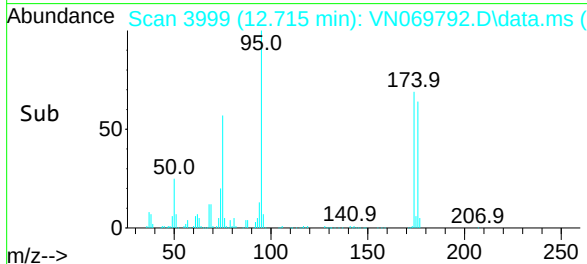
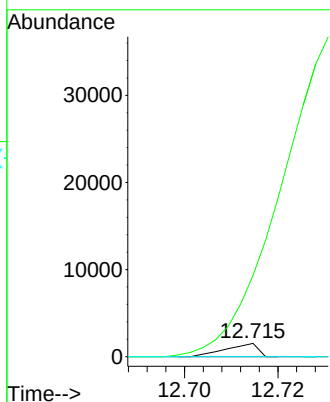
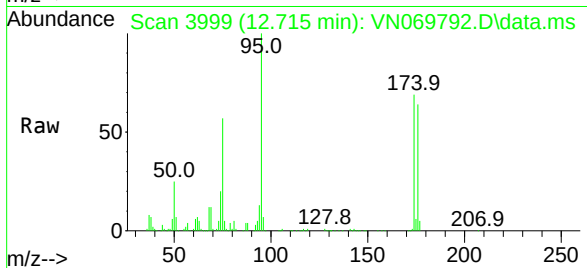




#71
Bromoform
Concen: 2.778 ug/l
RT: 12.715 min Scan# 3904
Delta R.T. 0.255 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

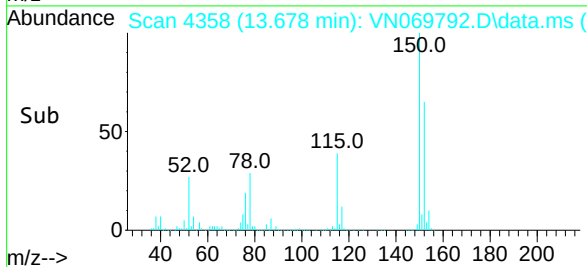
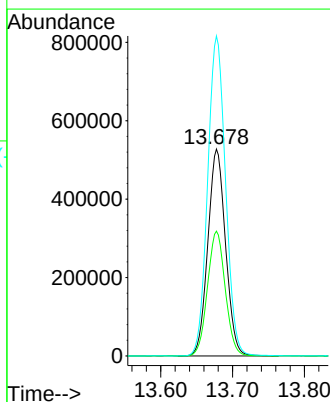
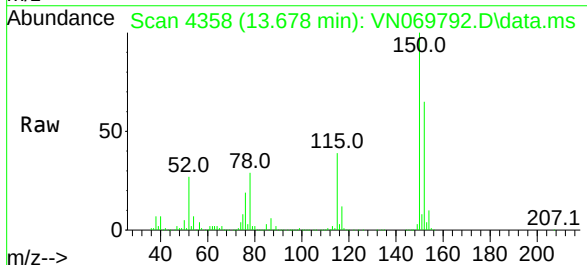
Instrument :
MSVOA_N
ClientSampleId :

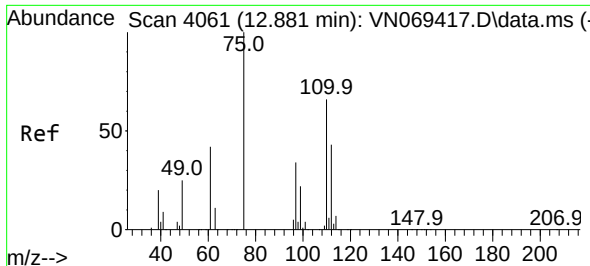
Tgt Ion:173 Resp: 727
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

Tgt Ion:152 Resp: 902508
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 156.4 0.0 344.4

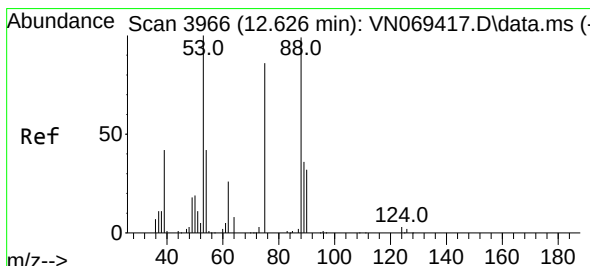
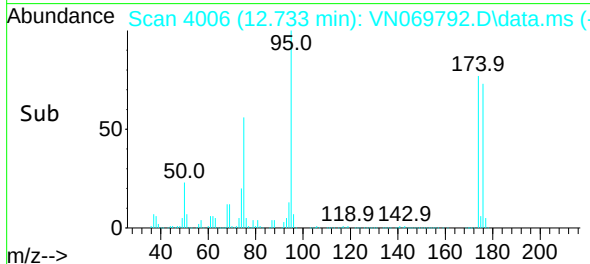
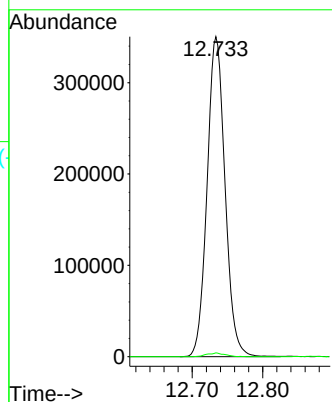
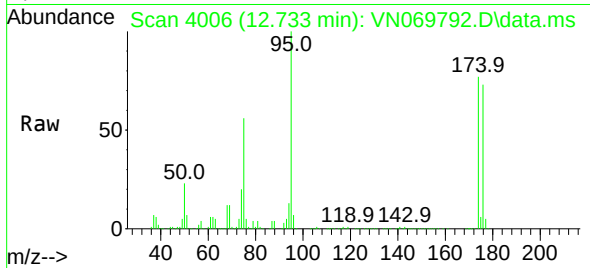




#76
1,2,3-Trichloropropane
Concen: 23.890 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

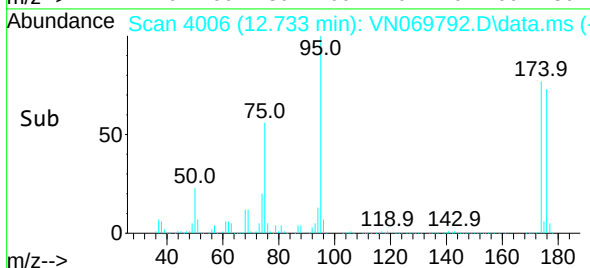
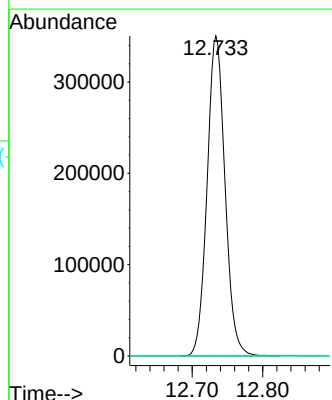
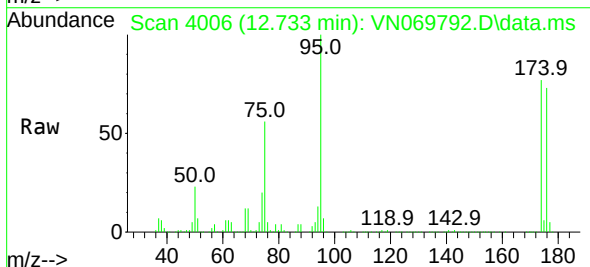
Instrument :
MSVOA_N
ClientSampleId :

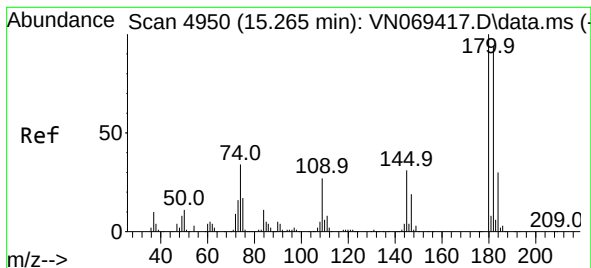
Tgt Ion: 75 Resp: 618306
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.898 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069792.D
Acq: 6 Dec 2021 18:53

Tgt Ion: 75 Resp: 618306
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: 2.933 ug/l

RT: 15.263 min Scan# 4950

Delta R.T. -0.002 min

Lab File: VN069792.D

Acq: 6 Dec 2021 18:53

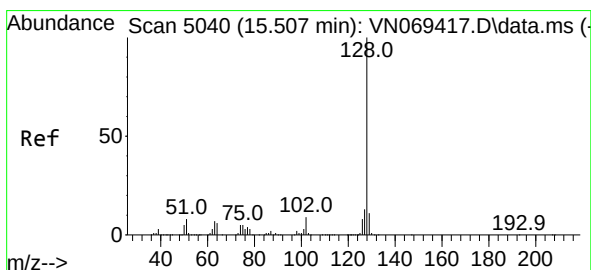
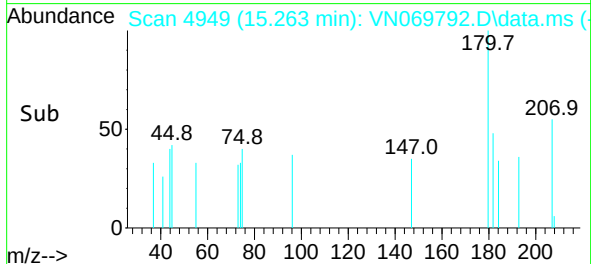
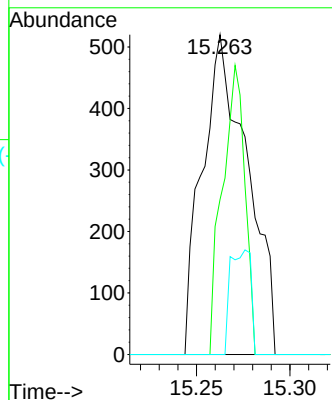
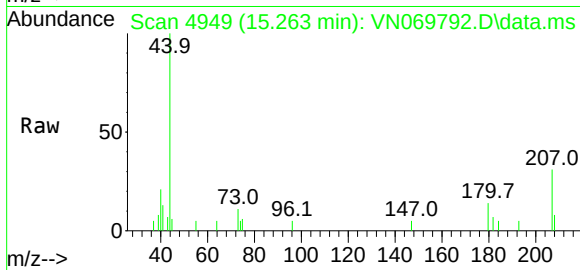
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180 Resp: 870

Ion	Ratio	Lower	Upper
180	100		
182	45.3	48.3	144.9#
145	14.9	14.5	43.5



#95

Naphthalene

Concen: 4.105 ug/l

RT: 15.512 min Scan# 5042

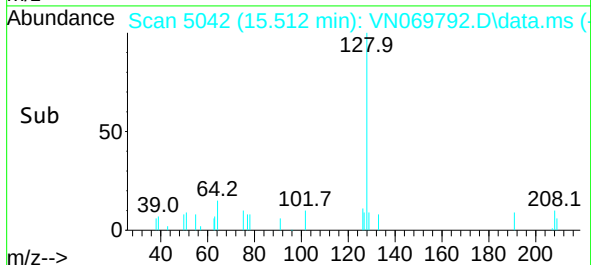
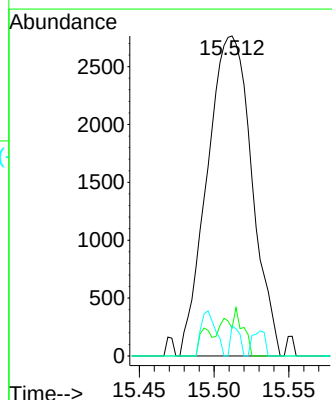
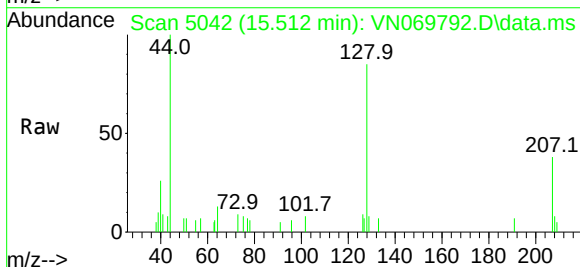
Delta R.T. 0.005 min

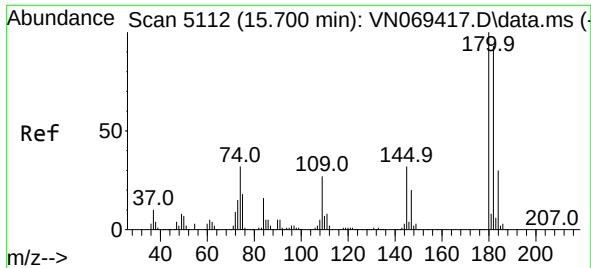
Lab File: VN069792.D

Acq: 6 Dec 2021 18:53

Tgt Ion:128 Resp: 5740

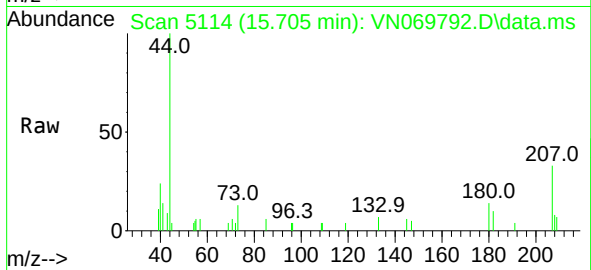
Ion	Ratio	Lower	Upper
128	100		
127	1.7	10.5	15.7#
129	1.9	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.479 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN069792.D
 Acq: 6 Dec 2021 18:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 653
 Ion Ratio Lower Upper
 180 100
 182 57.7 47.4 142.2
 145 27.0 15.0 45.1

