

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069774.D
 Acq On : 4 Dec 2021 18:55
 Operator : JC/MD
 Sample : M4920-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:18:26 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	8.086	168	1371820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2432763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2574966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	991565	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1058677	49.983	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.960%
35) Dibromofluoromethane	8.024	113	726882	47.701	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.400%
50) Toluene-d8	10.440	98	3153187	51.534	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.060%
62) 4-Bromofluorobenzene	12.731	95	1201078	54.184	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.360%

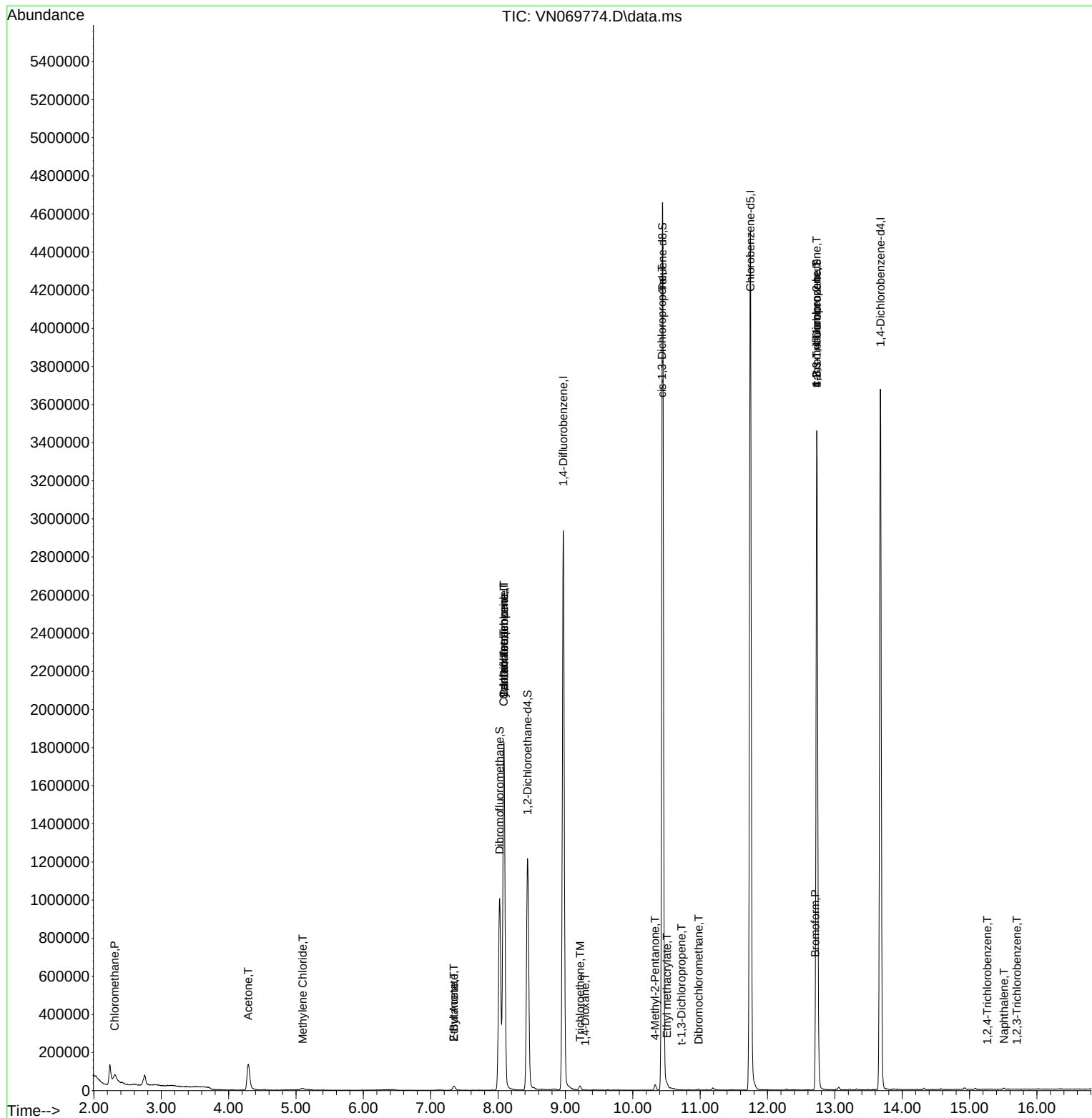
Target Compounds			Qvalue			
3) Chloromethane	2.306	50	5512	0.275	ug/l #	83
16) Acetone	4.291	43	266807	20.940	ug/l	98
20) Methylene Chloride	5.101	84	4495	0.265	ug/l #	86
25) 2-Butanone	7.343	43	38503	2.224	ug/l	92
31) Cyclohexane	8.083	56	36279	1.231	ug/l #	20
36) 1,1-Dichloropropene	8.086	75	118095	5.099	ug/l #	43
37) Ethyl Acetate	7.343	43	38503	1.117	ug/l #	69
38) Carbon Tetrachloride	8.088	117	139253	6.132	ug/l #	16
44) Trichloroethene	9.220	130	6576	0.389	ug/l	80
49) 1,4-Dioxane	9.292	88	109	0.255	ug/l #	16
51) 4-Methyl-2-Pentanone	10.330	43	22813	0.689	ug/l	89
53) t-1,3-Dichloropropene	10.722	75	131	2.798	ug/l #	87
54) cis-1,3-Dichloropropene	10.432	75	606	2.018	ug/l #	1
56) Ethyl methacrylate	10.507	69	114	2.282	ug/l #	1
60) Dibromochloromethane	10.977	129	1054	2.430	ug/l #	11
71) Bromoform	12.709	173	133	2.739	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	671690	23.621	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	671690	75.091	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	474	2.905	ug/l #	85
95) Naphthalene	15.509	128	5068	4.081	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.702	180	360	2.457	ug/l	85

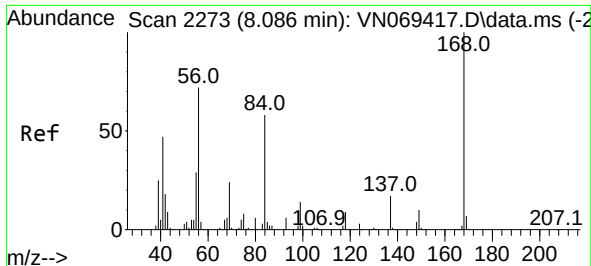
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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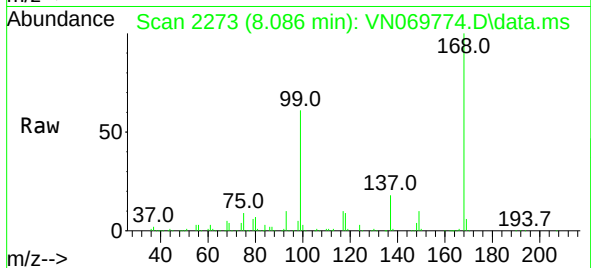
Quant Time: Dec 06 00:18:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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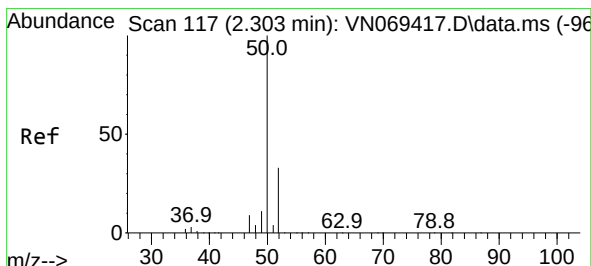
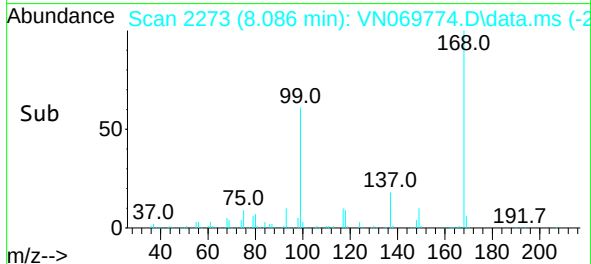
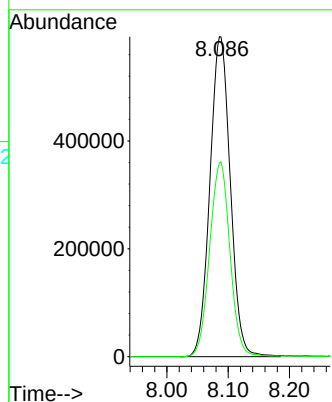


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Instrument :
MSVOA_N
ClientSampleId :

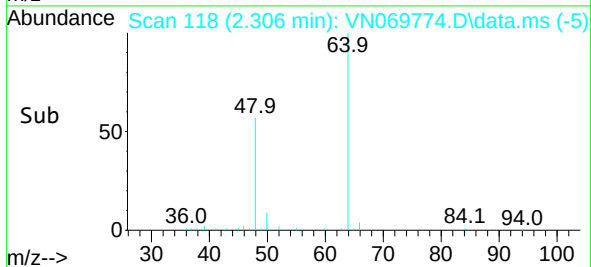
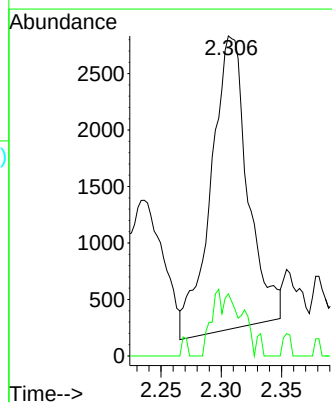
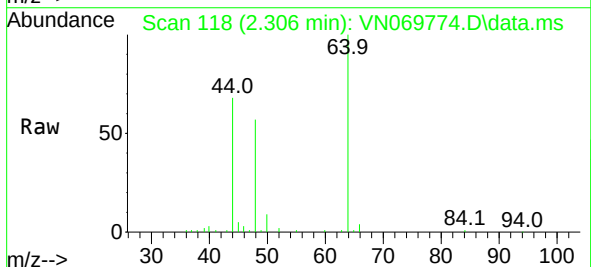


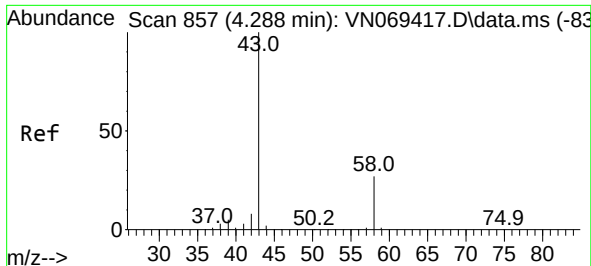
Tgt Ion:168 Resp: 1371820
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Tgt Ion: 50 Resp: 5512
Ion Ratio Lower Upper
50 100
52 22.5 25.4 38.0#

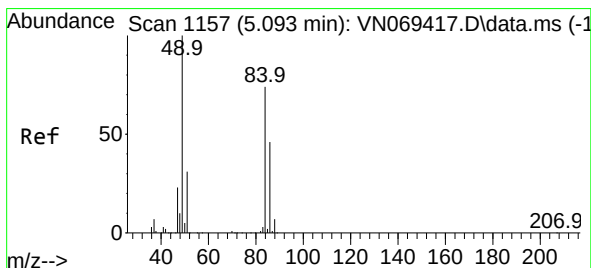
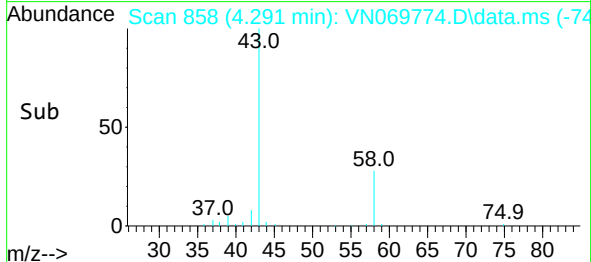
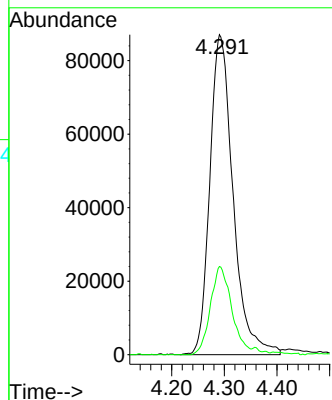
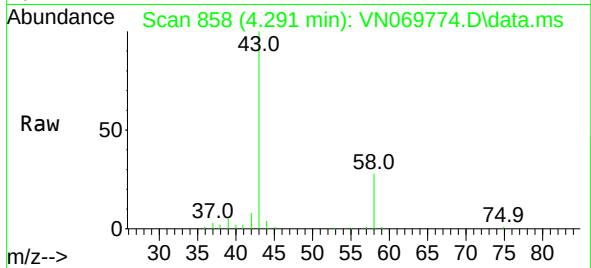




#16
Acetone
Concen: 20.940 ug/l
RT: 4.291 min Scan# 81
Delta R.T. 0.000 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

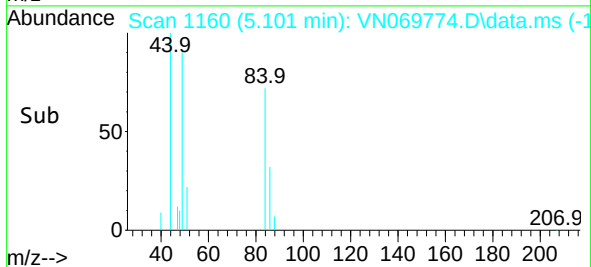
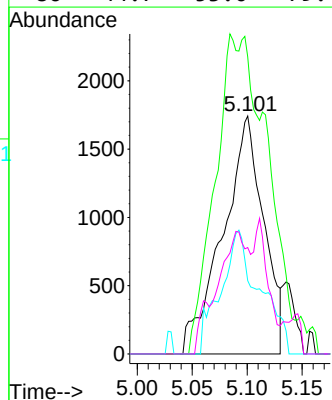
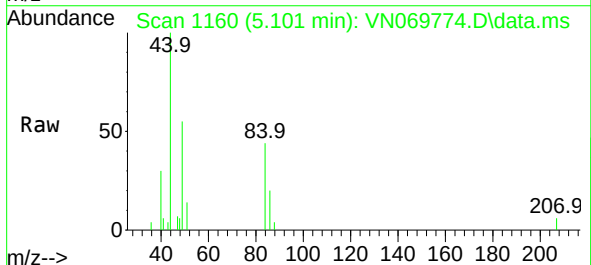
Instrument :
MSVOA_N
ClientSampleId :

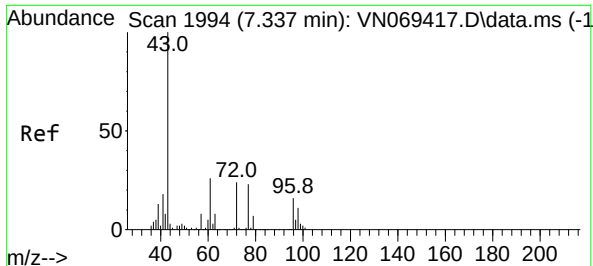
Tgt Ion: 43 Resp: 266807
Ion Ratio Lower Upper
43 100
58 27.6 23.1 34.7



#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Tgt Ion: 84 Resp: 4495
Ion Ratio Lower Upper
84 100
49 124.9 93.5 140.3
51 30.8 29.4 44.2
86 44.7 53.0 79.4#





#25

2-Butanone

Concen: 2.224 ug/l

RT: 7.343 min Scan# 1994

Delta R.T. 0.005 min

Lab File: VN069774.D

Acq: 4 Dec 2021 18:55

Instrument :

MSVOA_N

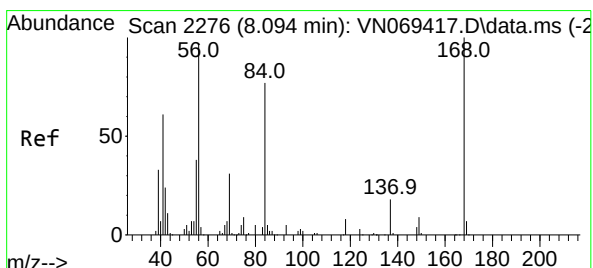
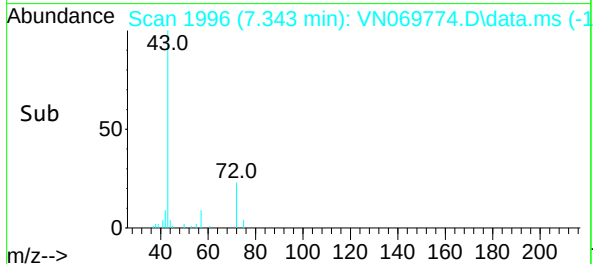
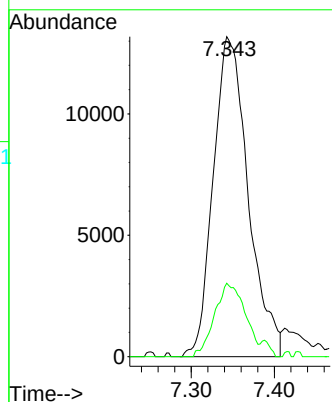
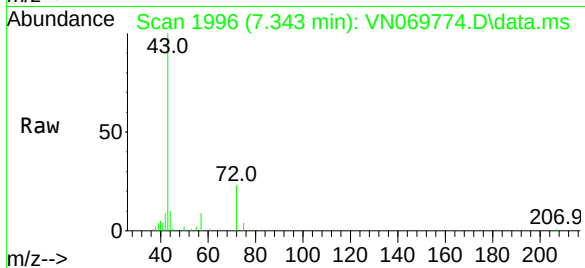
ClientSampleId :

Tgt Ion: 43 Resp: 38503

Ion Ratio Lower Upper

43 100

72 22.9 21.7 32.5



#31

Cyclohexane

Concen: 1.231 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN069774.D

Acq: 4 Dec 2021 18:55

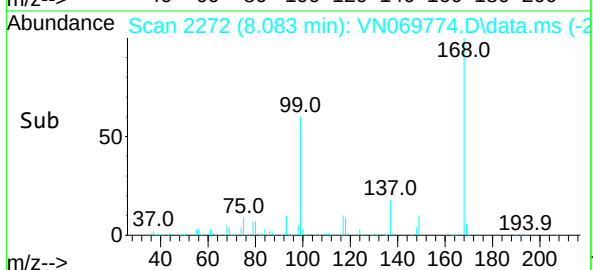
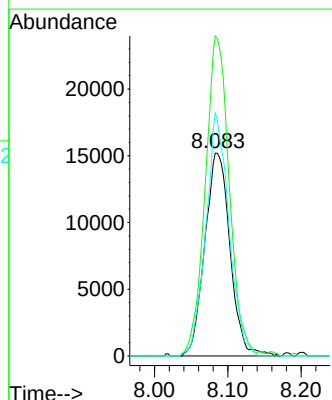
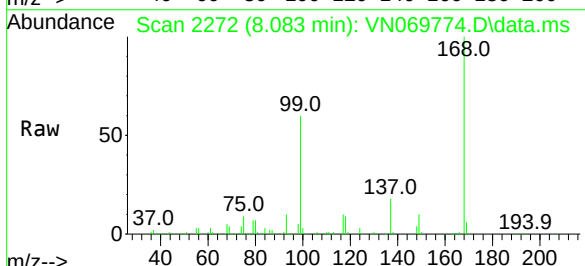
Tgt Ion: 56 Resp: 36279

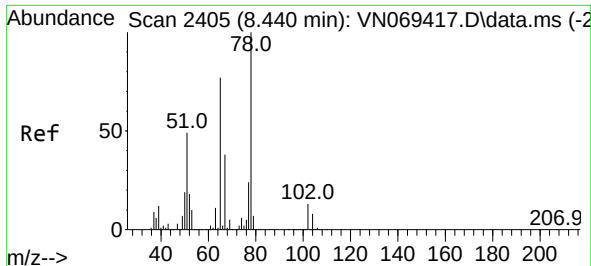
Ion Ratio Lower Upper

56 100

69 157.8 27.1 40.7#

84 119.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.983 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069774.D

Acq: 4 Dec 2021 18:55

Instrument :

MSVOA_N

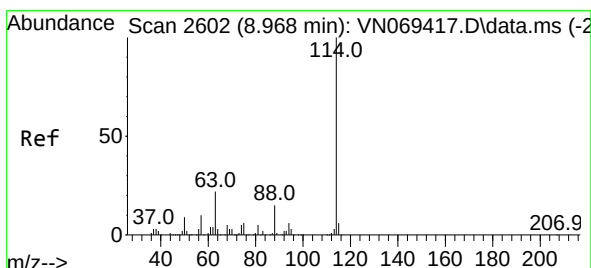
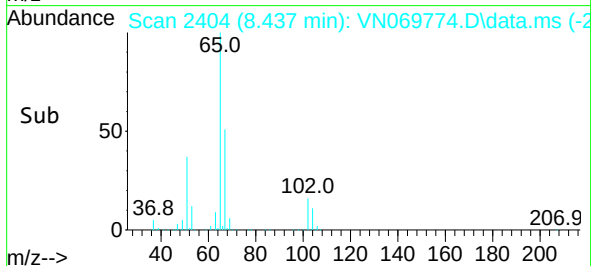
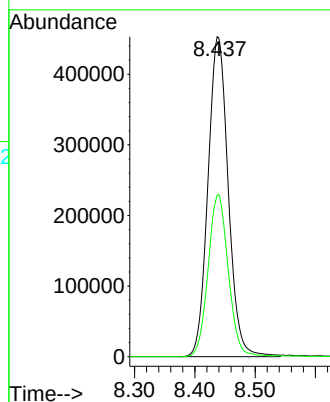
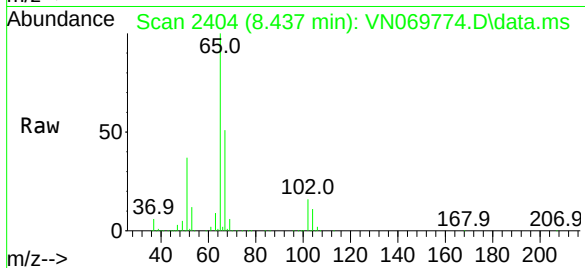
ClientSampleId :

Tgt Ion: 65 Resp: 1058677

Ion Ratio Lower Upper

65 100

67 50.4 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: VN069774.D

Acq: 4 Dec 2021 18:55

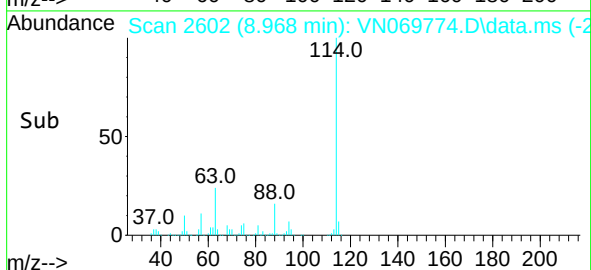
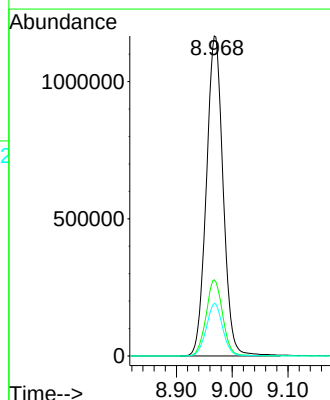
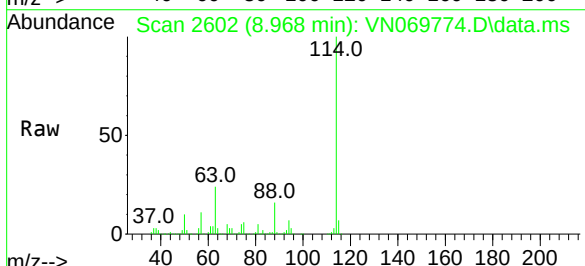
Tgt Ion: 114 Resp: 2432763

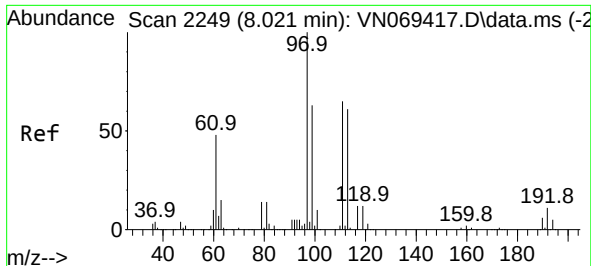
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.4 0.0 27.4

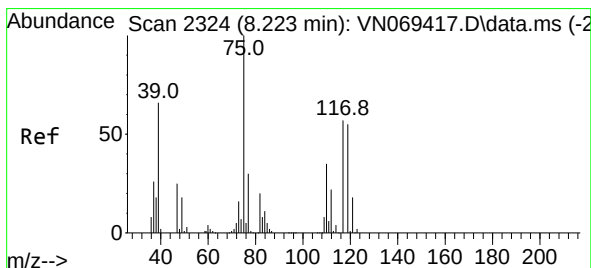
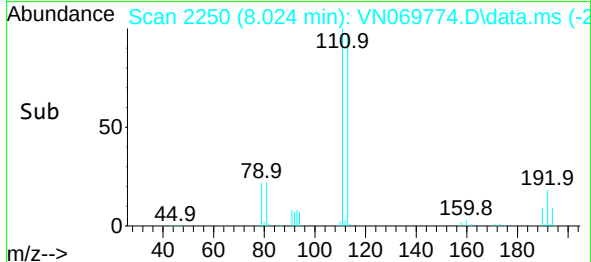
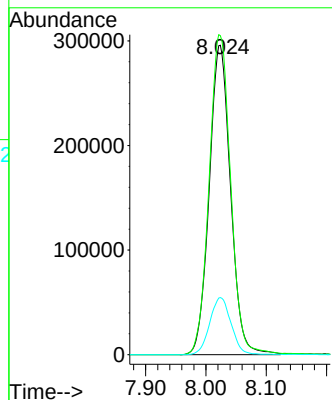
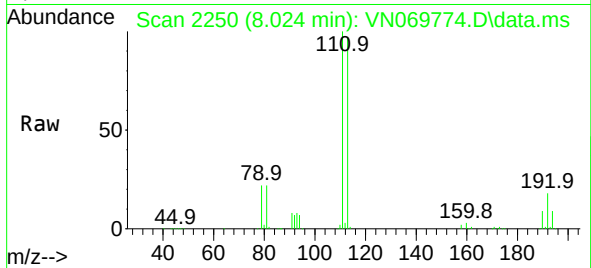




#35
Dibromofluoromethane
Concen: 47.701 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

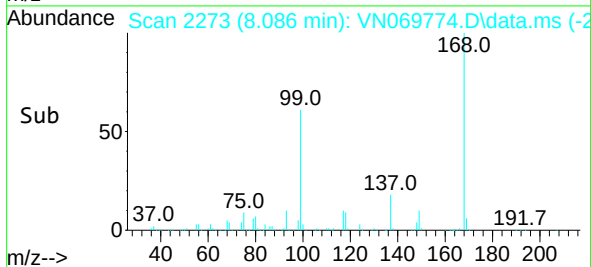
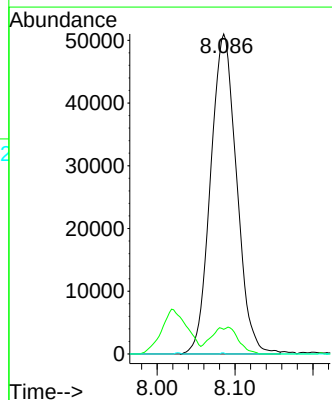
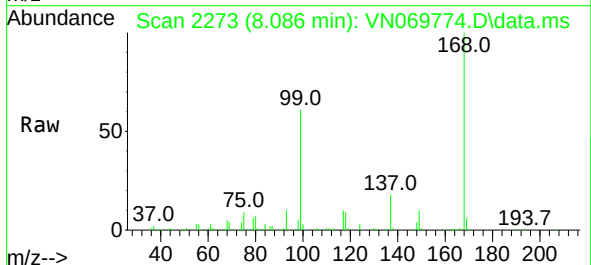
Instrument :
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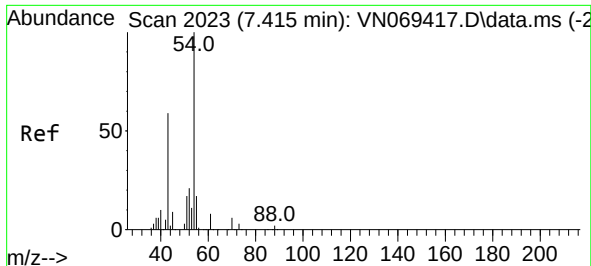
Tgt Ion:113 Resp: 726882
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.099 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Tgt Ion: 75 Resp: 118095
Ion Ratio Lower Upper
75 100
110 2.7 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.117 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. -0.072 min

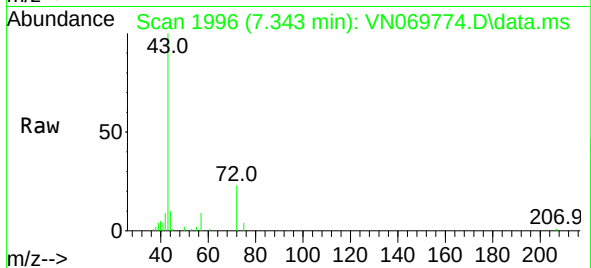
Lab File: VN069774.D

Acq: 4 Dec 2021 18:55

Instrument :

MSVOA_N

ClientSampleId :



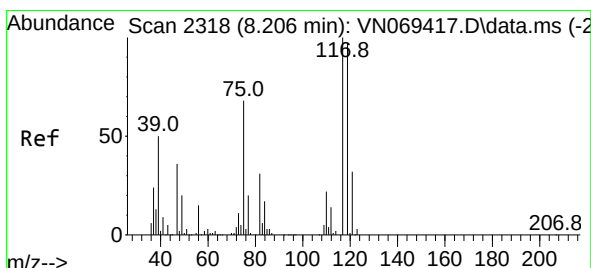
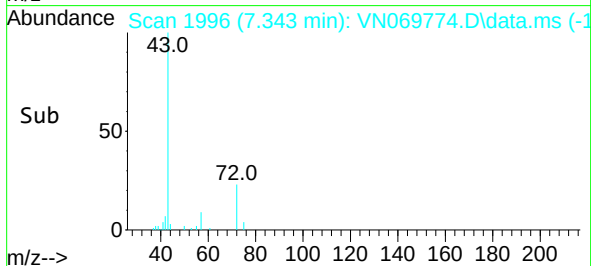
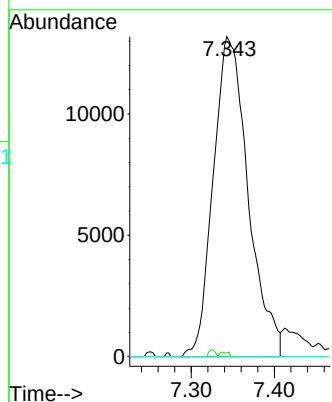
Tgt Ion: 43 Resp: 38503

Ion Ratio Lower Upper

43 100

61 0.4 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.132 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.118 min

Lab File: VN069774.D

Acq: 4 Dec 2021 18:55

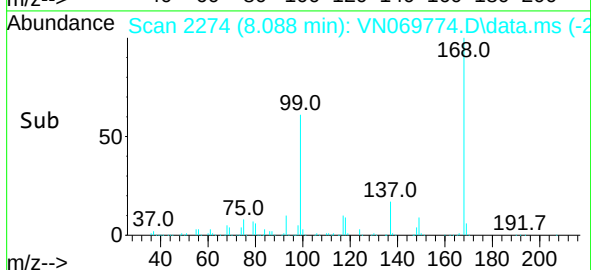
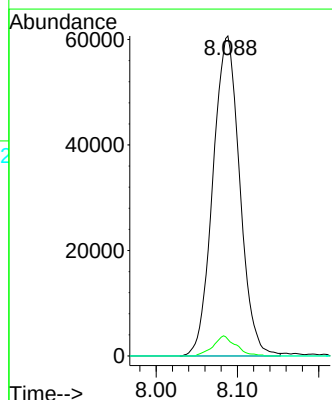
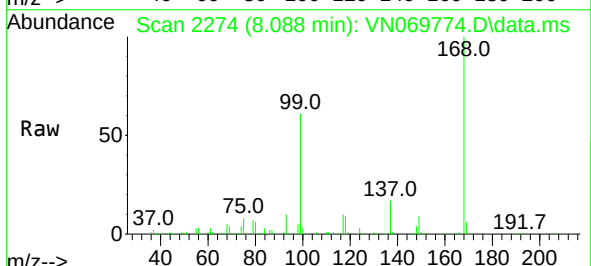
Tgt Ion: 117 Resp: 139253

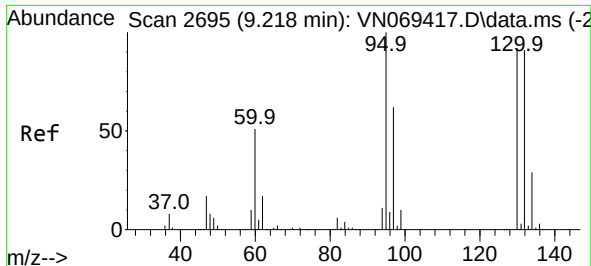
Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 24.2 36.2#





#44

Trichloroethene

Concen: 0.389 ug/l

RT: 9.220 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN069774.D

Acq: 4 Dec 2021 18:55

Instrument :

MSVOA_N

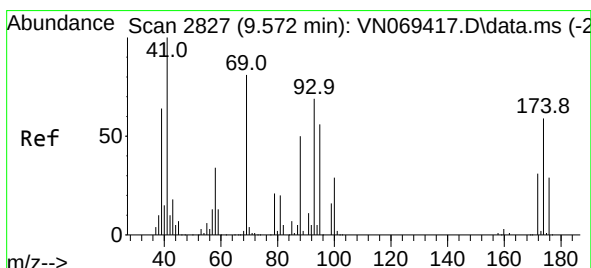
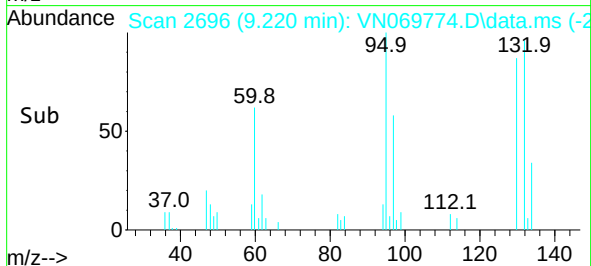
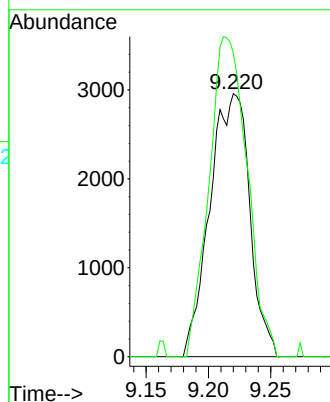
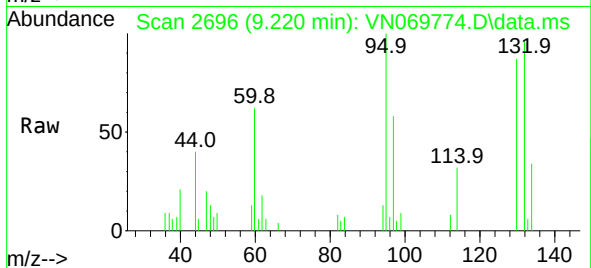
ClientSampleId :

Tgt Ion:130 Resp: 6576

Ion Ratio Lower Upper

130 100

95 115.3 0.0 191.2



#49

1,4-Dioxane

Concen: 0.255 ug/l

RT: 9.292 min Scan# 2723

Delta R.T. -0.279 min

Lab File: VN069774.D

Acq: 4 Dec 2021 18:55

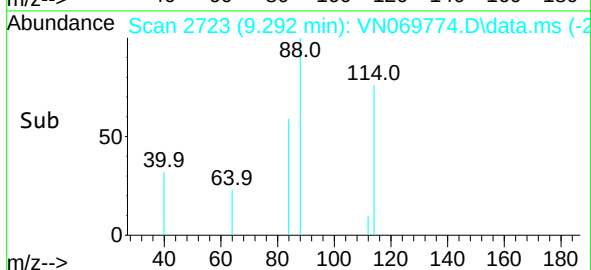
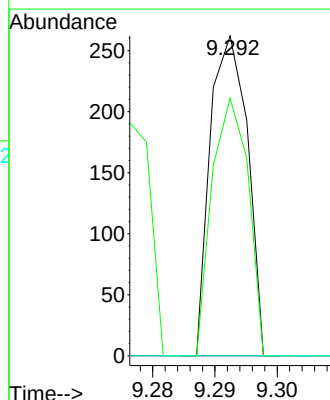
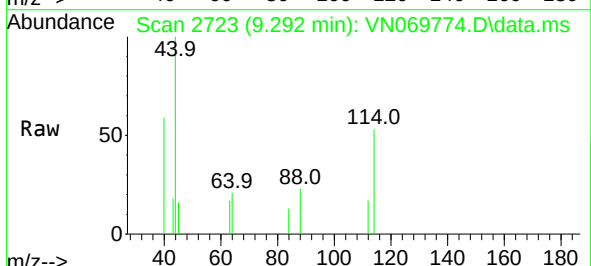
Tgt Ion: 88 Resp: 109

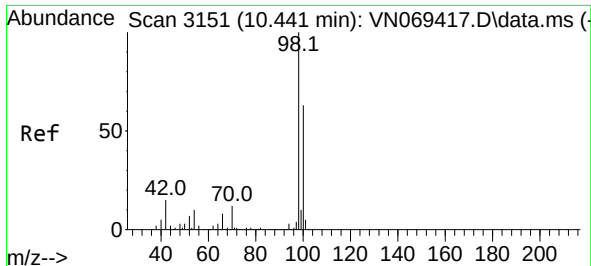
Ion Ratio Lower Upper

88 100

43 78.0 23.4 35.2#

58 0.0 50.6 75.8#

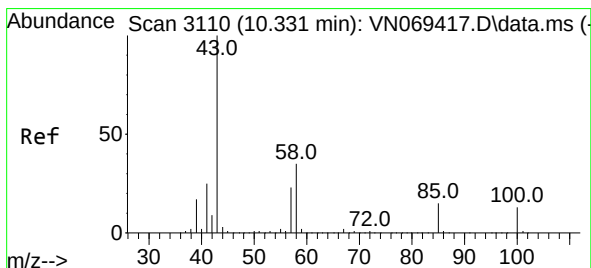
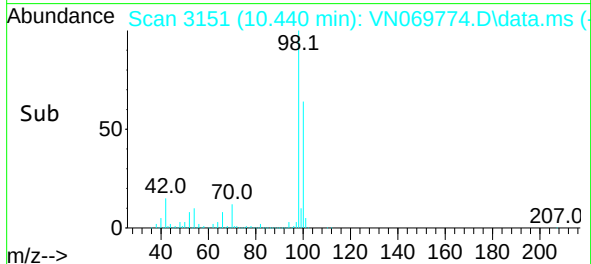
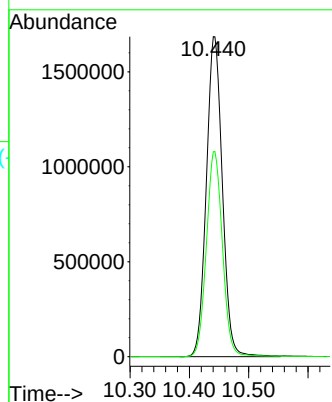
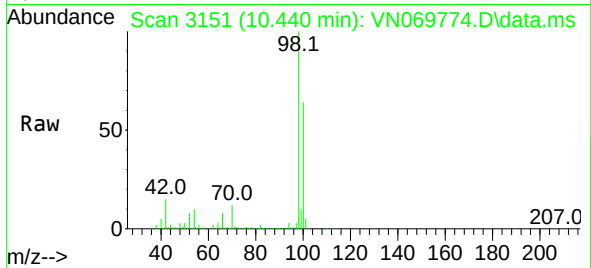




#50
Toluene-d8
Concen: 51.534 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

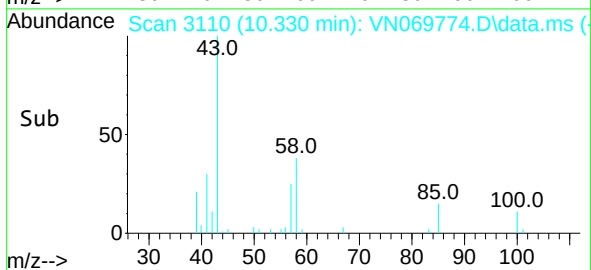
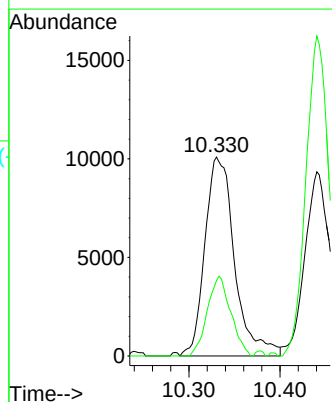
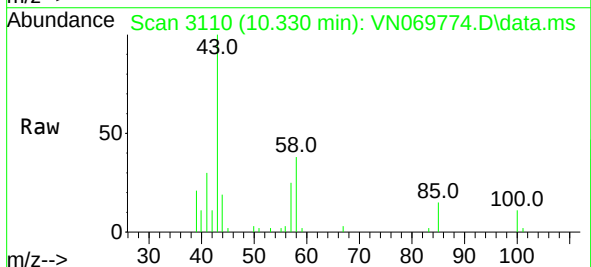
Instrument :
MSVOA_N
ClientSampleId :

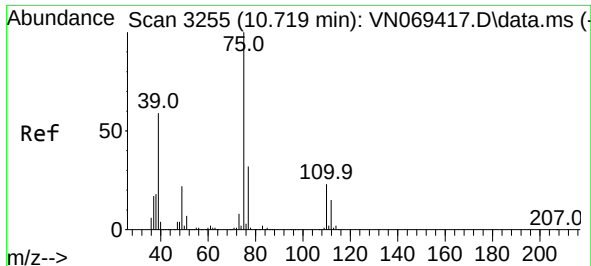
Tgt Ion: 98 Resp: 3153187
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.689 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Tgt Ion: 43 Resp: 22813
Ion Ratio Lower Upper
43 100
58 31.6 30.4 45.6

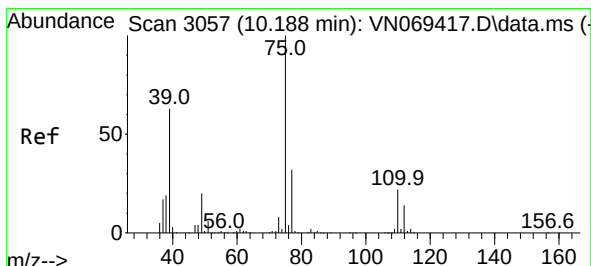
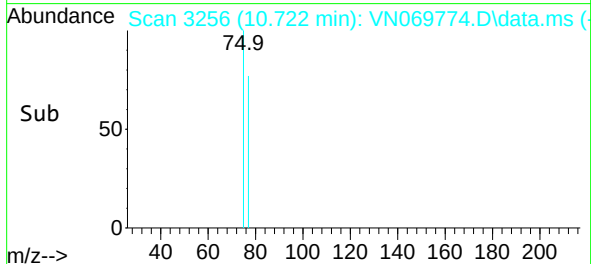
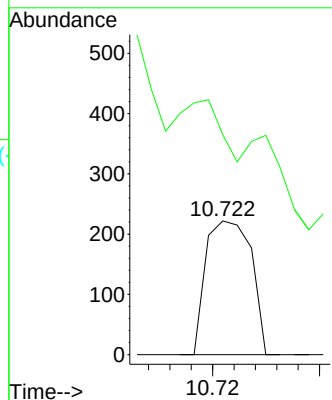
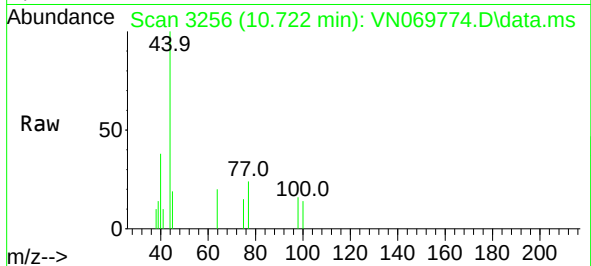




#53
t-1,3-Dichloropropene
Concen: 2.798 ug/l
RT: 10.722 min Scan# 3148
Delta R.T. 0.003 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

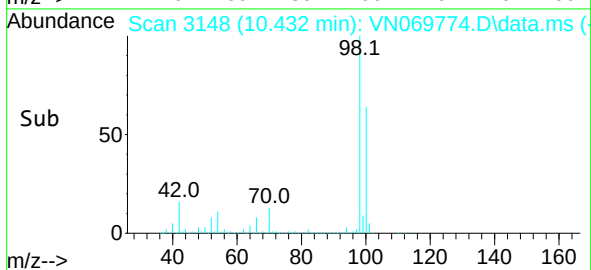
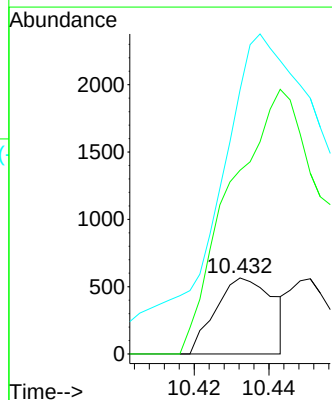
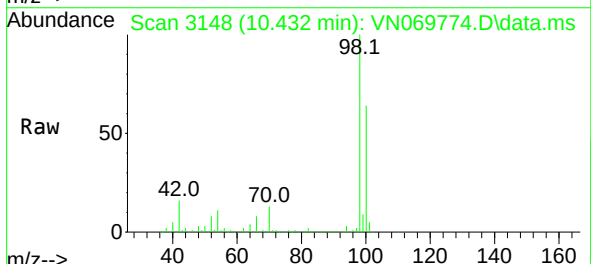
Instrument :
MSVOA_N
ClientSampleId :

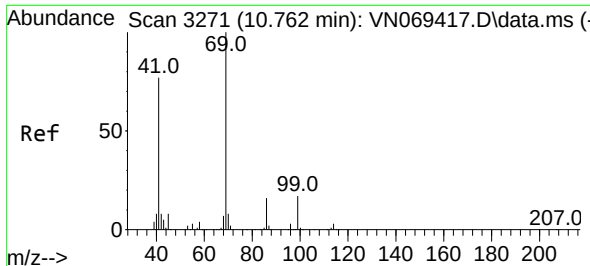
Tgt Ion: 75 Resp: 131
Ion Ratio Lower Upper
75 100
77 24.8 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.018 ug/l
RT: 10.432 min Scan# 3148
Delta R.T. 0.241 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Tgt Ion: 75 Resp: 606
Ion Ratio Lower Upper
75 100
77 241.6 26.4 39.6#
39 270.4 42.5 63.7#

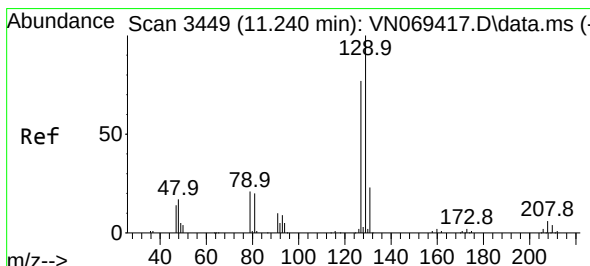
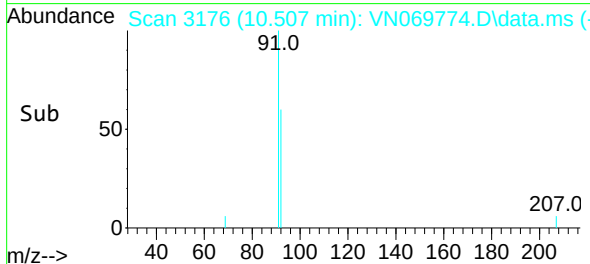
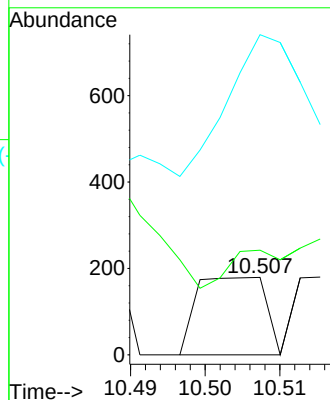
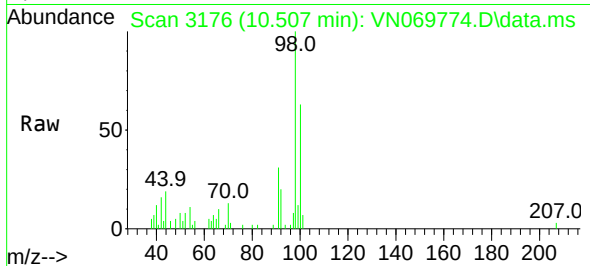




#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.507 min Scan# 3114
Delta R.T. -0.255 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

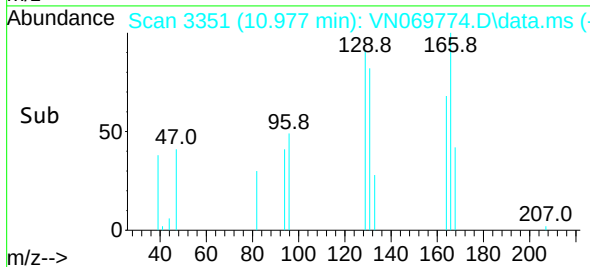
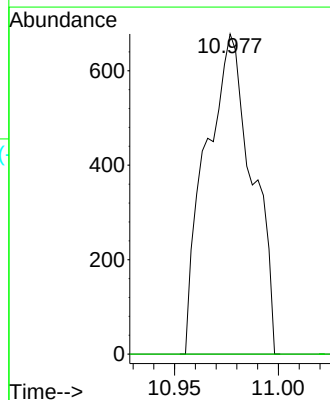
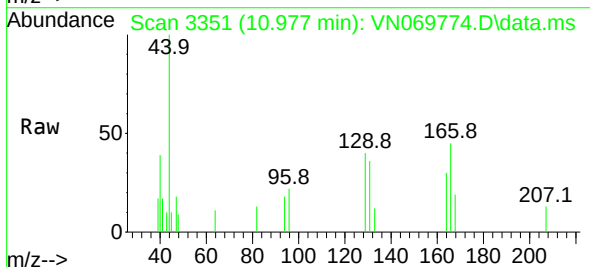
Instrument :
MSVOA_N
ClientSampleId :

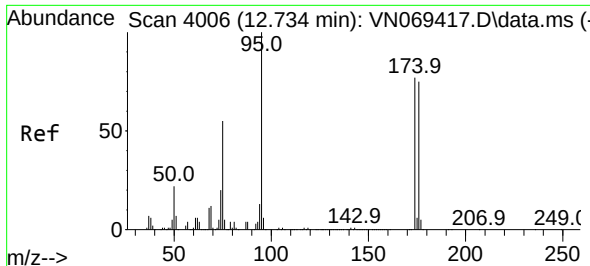
Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 99.1 51.4 77.0#
39 210.5 34.6 52.0#



#60
Dibromochloromethane
Concen: 2.430 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Tgt Ion:129 Resp: 1054
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

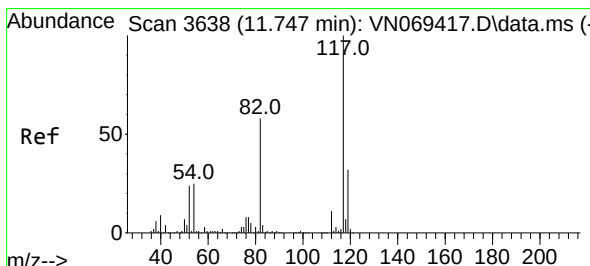
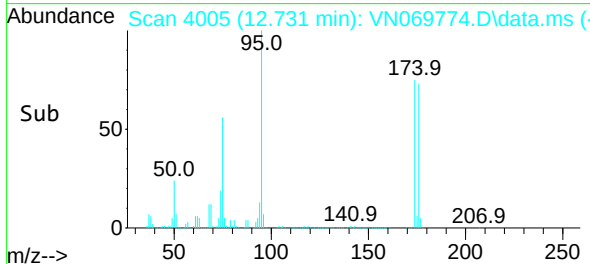
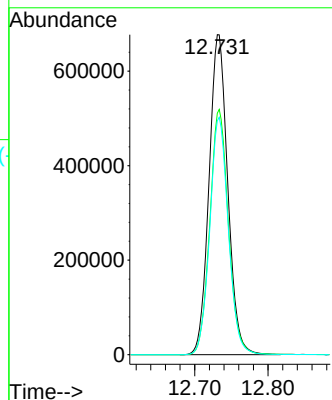
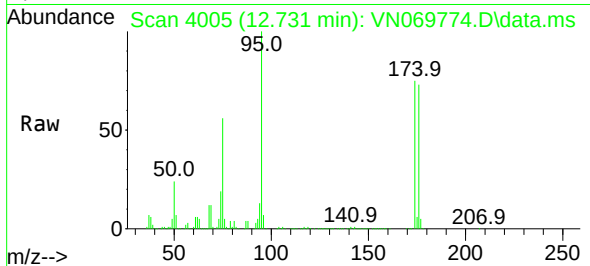




#62
4-Bromofluorobenzene
Concen: 54.184 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

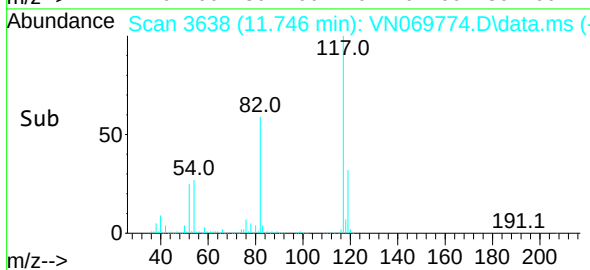
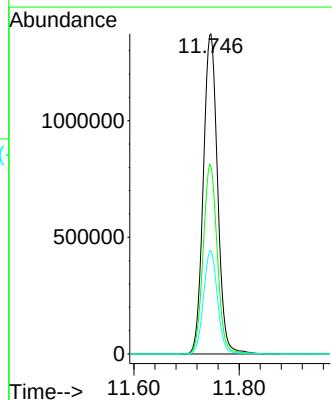
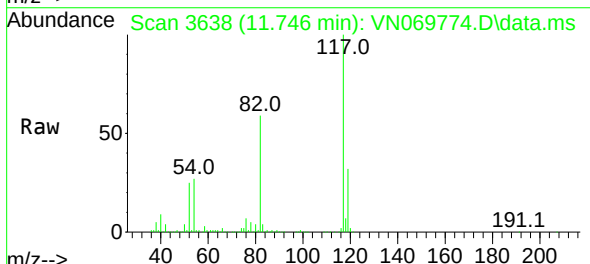
Instrument :
MSVOA_N
ClientSampleId :

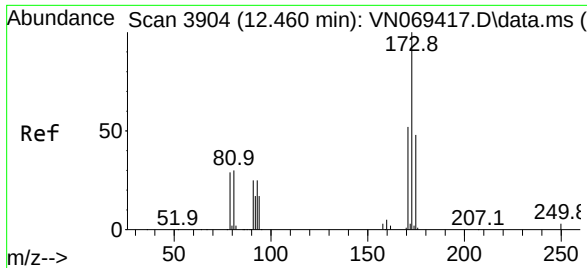
Tgt Ion: 95 Resp: 1201078
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Tgt Ion: 117 Resp: 2574966
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 32.3 25.4 38.2

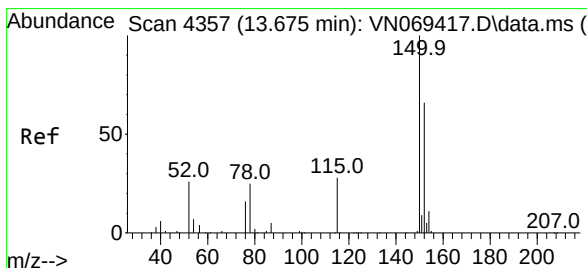
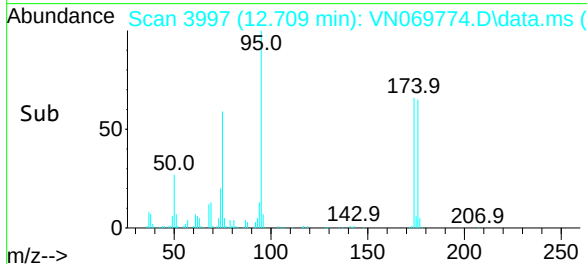
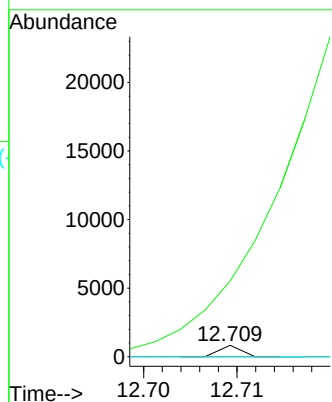
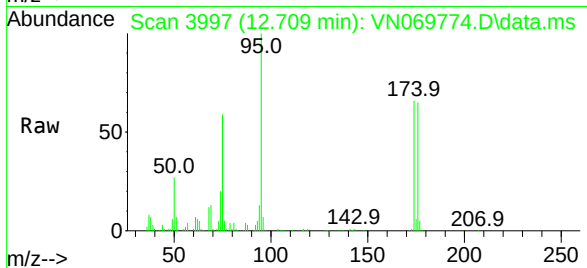




#71
Bromoform
Concen: 2.739 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

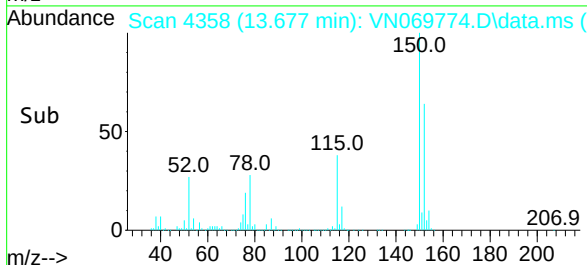
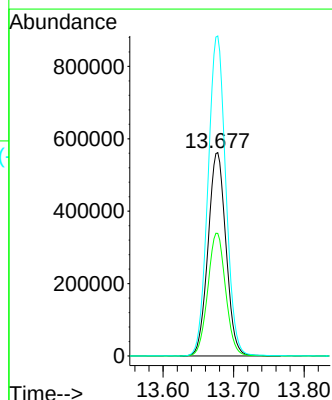
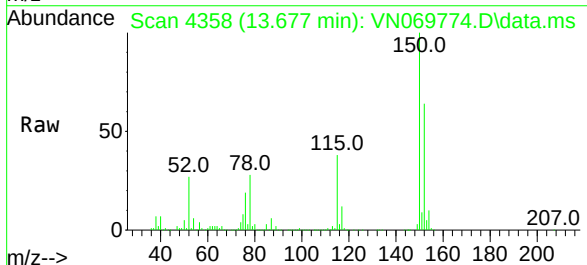
Instrument :
MSVOA_N
ClientSampleId :

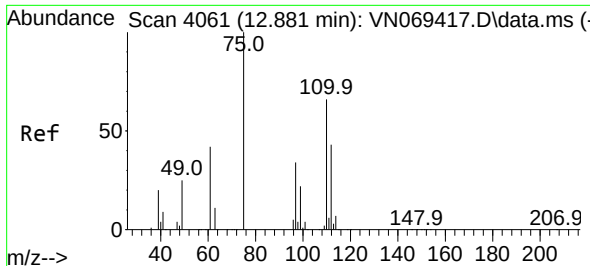
Tgt Ion:173 Resp: 133
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

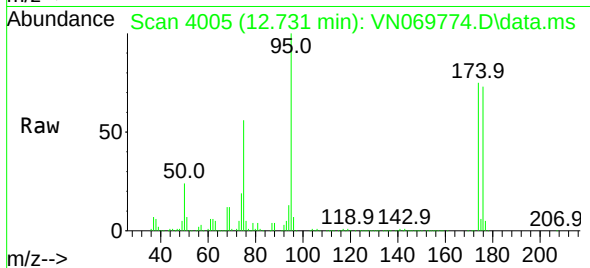
Tgt Ion:152 Resp: 991565
Ion Ratio Lower Upper
152 100
115 60.1 27.5 82.5
150 156.4 0.0 344.4



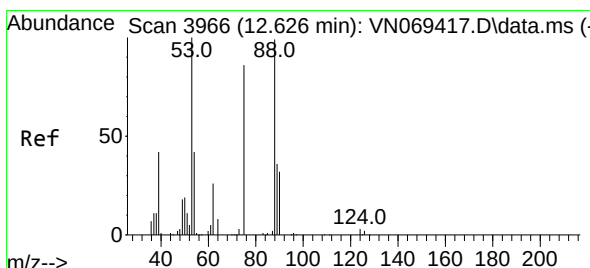
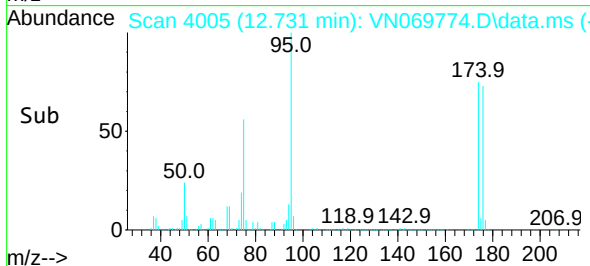
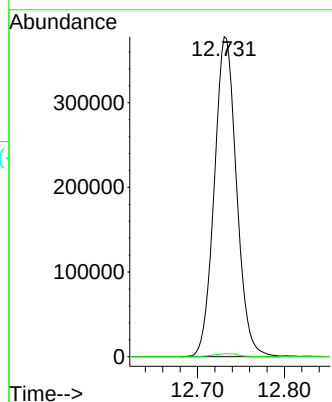


#76
1,2,3-Trichloropropane
Concen: 23.621 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Instrument :
MSVOA_N
ClientSampleId :

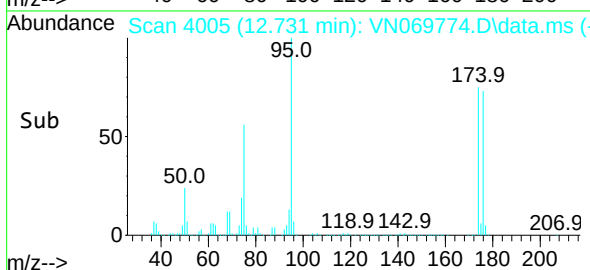
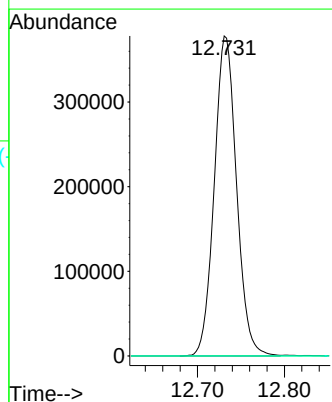
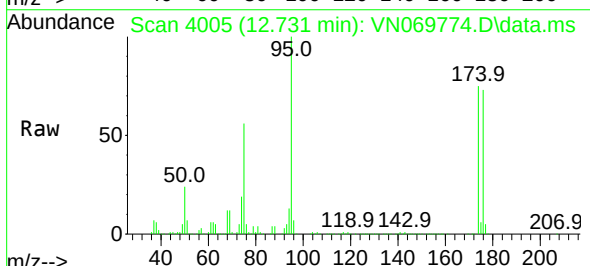


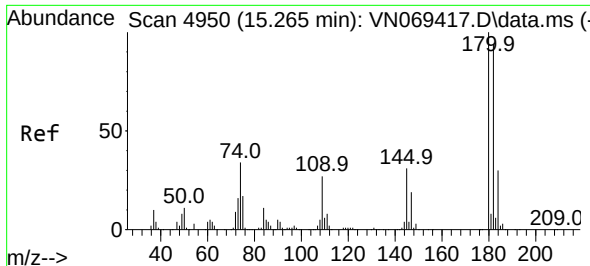
Tgt Ion: 75 Resp: 671690
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.091 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

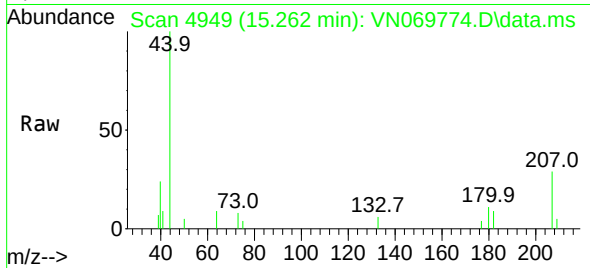
Tgt Ion: 75 Resp: 671690
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



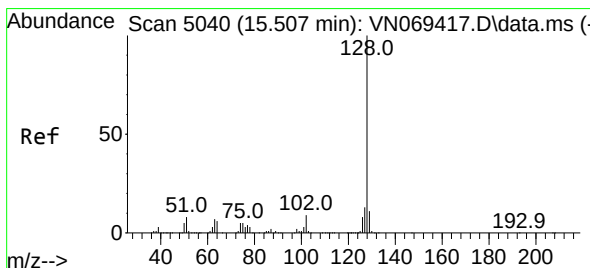
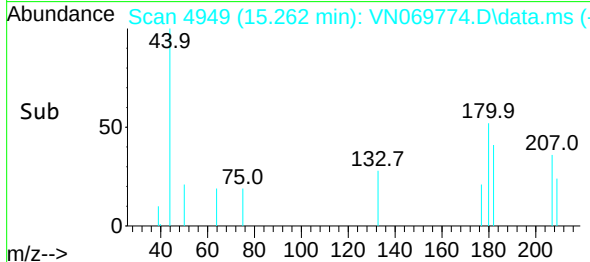
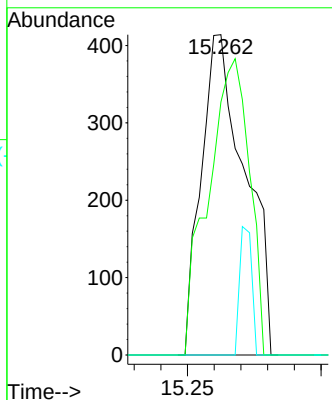


#93
1,2,4-Trichlorobenzene
Concen: 2.905 ug/l
RT: 15.262 min Scan# 4950
Delta R.T. -0.003 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

Instrument :
MSVOA_N
ClientSampleId :

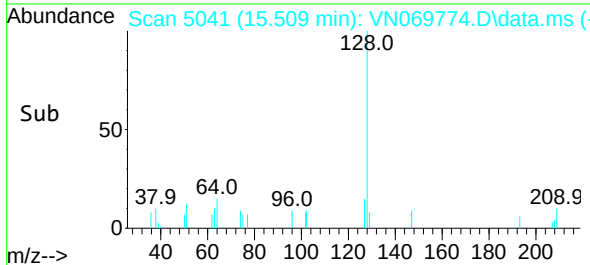
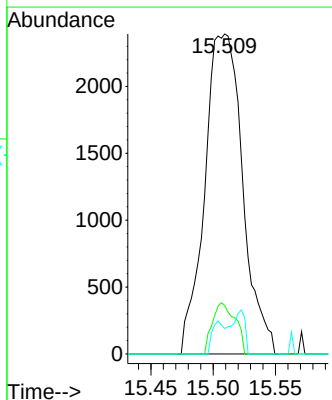
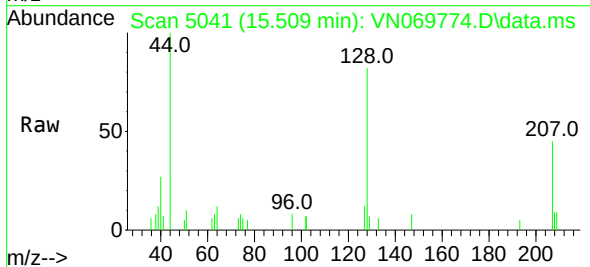


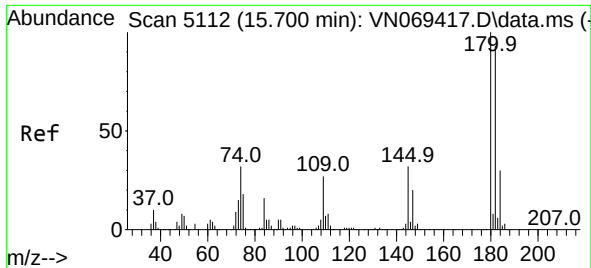
Tgt Ion:180 Resp: 474
Ion Ratio Lower Upper
180 100
182 86.9 48.3 144.9
145 11.0 14.5 43.5#



#95
Naphthalene
Concen: 4.081 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069774.D
Acq: 4 Dec 2021 18:55

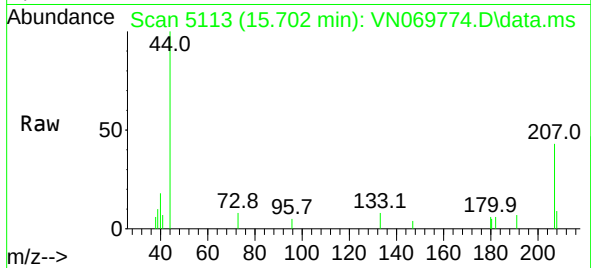
Tgt Ion:128 Resp: 5068
Ion Ratio Lower Upper
128 100
127 9.6 10.5 15.7#
129 3.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.457 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN069774.D
 Acq: 4 Dec 2021 18:55

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 360
 Ion Ratio Lower Upper
 180 100
 182 107.2 47.4 142.2
 145 17.2 15.0 45.1

