

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069834.D
 Acq On : 8 Dec 2021 00:43
 Operator : JC/MD
 Sample : M4956-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW178S-20211206

Quant Time: Dec 08 06:36:04 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)

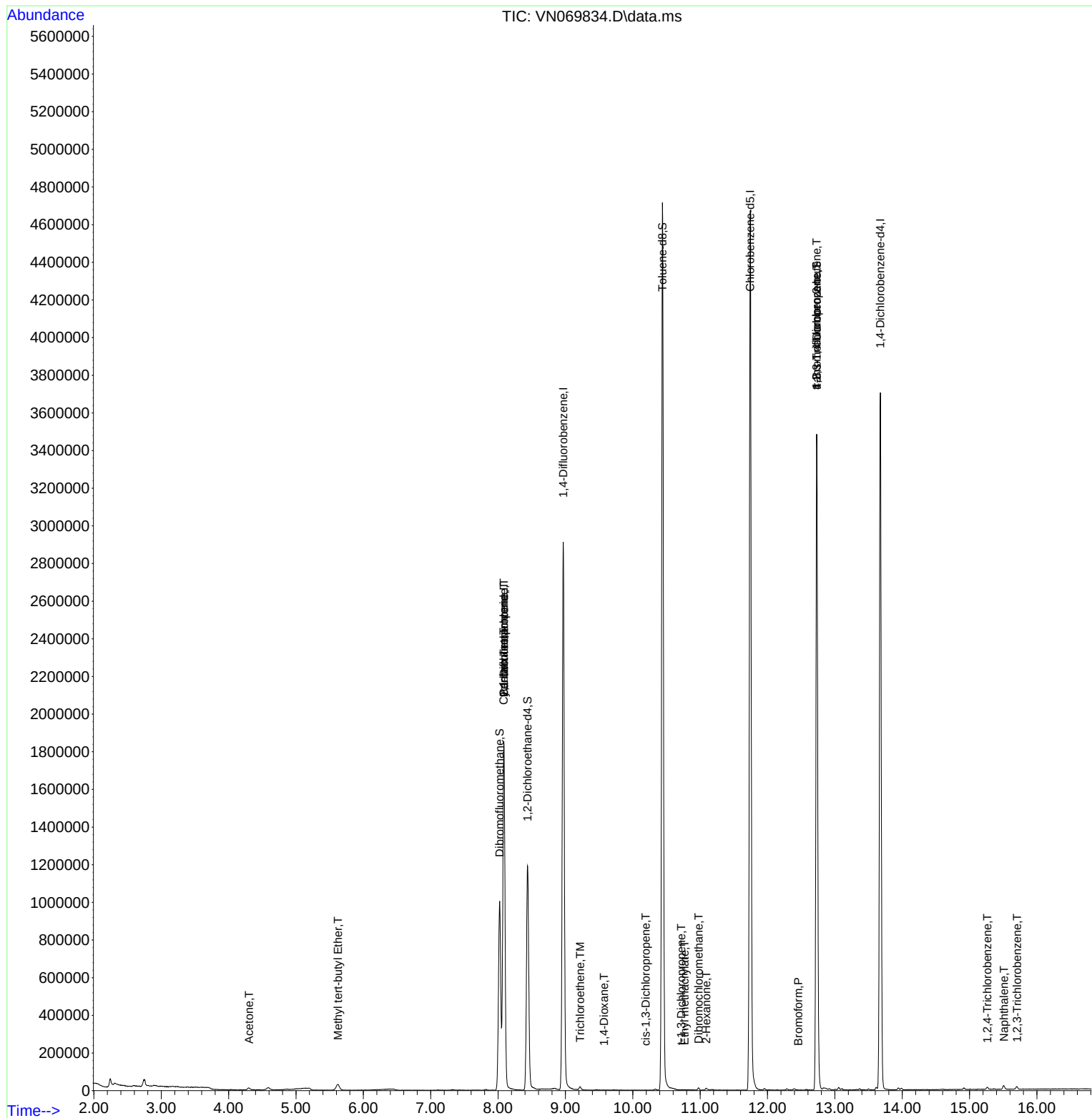
Internal Standards						
1) Pentafluorobenzene	8.085	168	1355203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2446547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2626715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	992762	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1044135	49.90	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.80%
35) Dibromofluoromethane	8.024	113	719333	46.94	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.88%
50) Toluene-d8	10.440	98	3158598	51.33	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.66%
62) 4-Bromofluorobenzene	12.731	95	1230558	55.20	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.40%
Target Compounds						
					Qvalue	
16) Acetone	4.301	43	15717	1.25	ug/l	97
19) Methyl tert-butyl Ether	5.623	73	43743	0.87	ug/l	92
31) Cyclohexane	8.083	56	35987	1.24	ug/l #	29
36) 1,1-Dichloropropene	8.085	75	114059	4.90	ug/l #	49
38) Carbon Tetrachloride	8.085	117	141071	6.18	ug/l #	15
44) Trichloroethene	9.217	130	5439	0.32	ug/l	89
49) 1,4-Dioxane	9.574	88	267	0.62	ug/l #	34
53) t-1,3-Dichloropropene	10.719	75	347	2.81	ug/l #	83
54) cis-1,3-Dichloropropene	10.194	75	180	2.00	ug/l #	67
56) Ethyl methacrylate	10.770	69	333	2.29	ug/l #	1
59) 2-Hexanone	11.092	43	8820	0.35	ug/l	80
60) Dibromochloromethane	10.979	129	2602	2.51	ug/l #	11
71) Bromoform	12.457	173	143	2.74	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	687483	24.15	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	687483	76.67	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	4128	3.12	ug/l	61
95) Naphthalene	15.509	128	18829	4.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	4558	2.71	ug/l	86

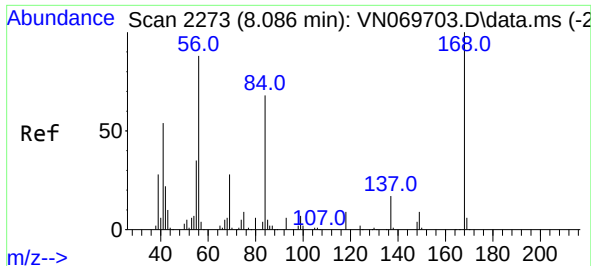
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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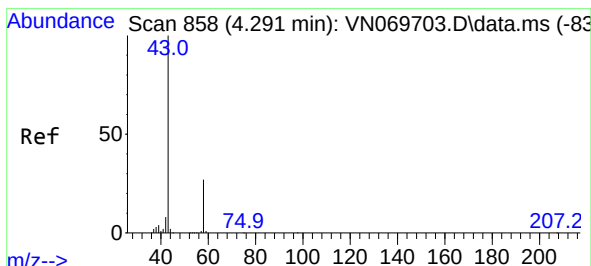
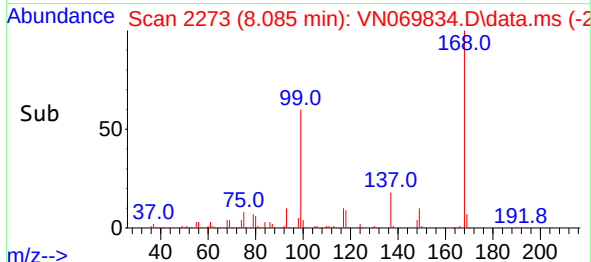
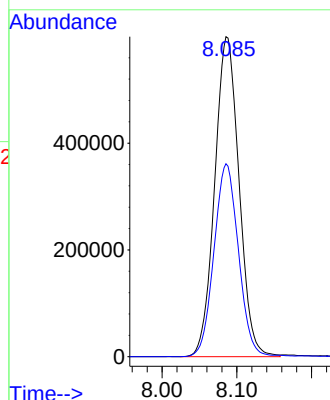
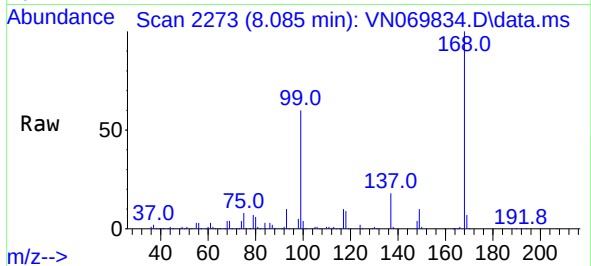




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

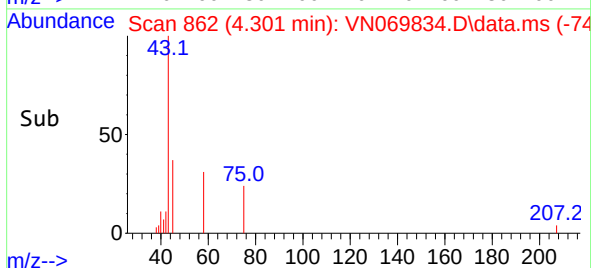
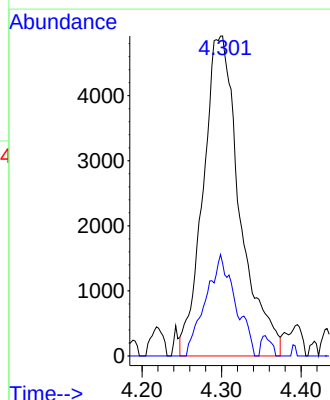
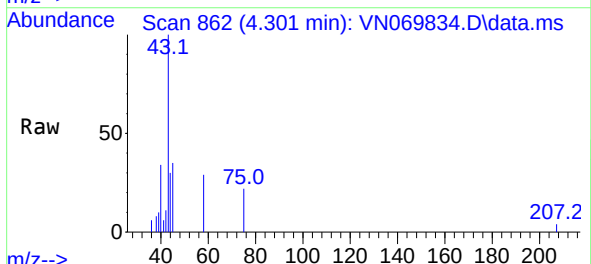
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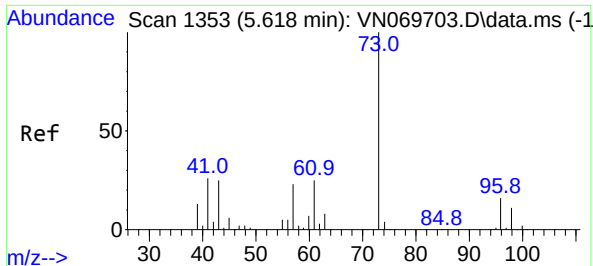
Tgt Ion:168 Resp: 1355203
Ion Ratio Lower Upper
168 100
99 60.3 41.3 61.9



#16
Acetone
Concen: 1.25 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.011 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion: 43 Resp: 15717
Ion Ratio Lower Upper
43 100
58 30.8 23.1 34.7

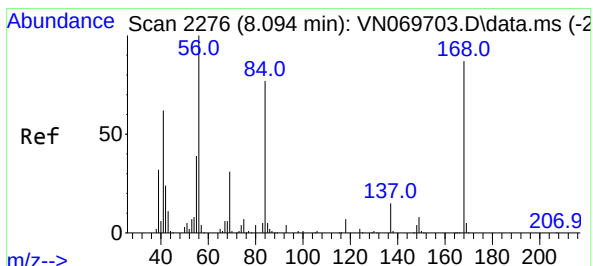
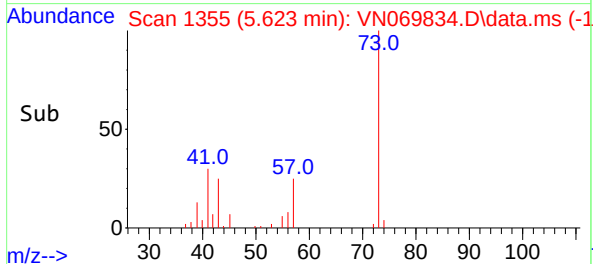
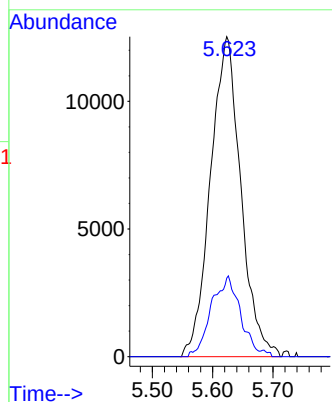
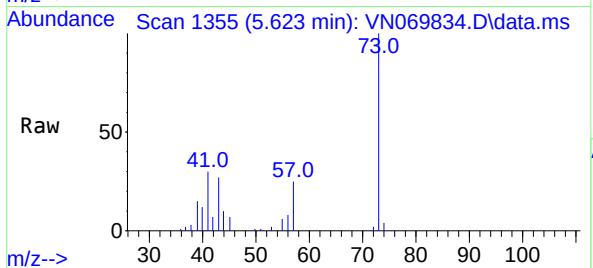




#19
Methyl tert-butyl Ether
Concen: 0.87 ug/l
RT: 5.623 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

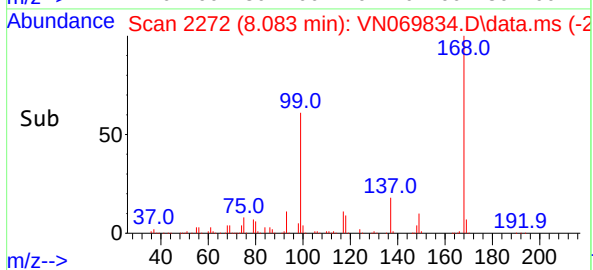
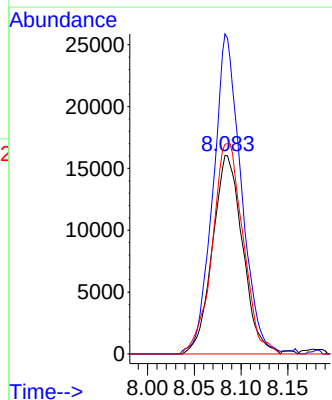
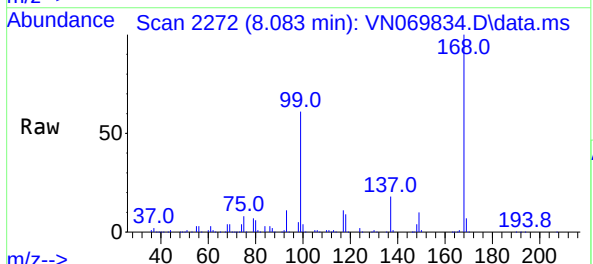
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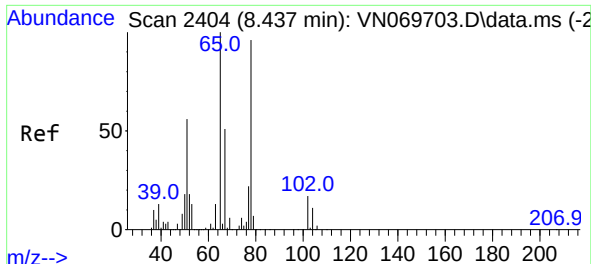
Tgt Ion: 73 Resp: 43743
Ion Ratio Lower Upper
73 100
57 24.5 16.8 25.2



#31
Cyclohexane
Concen: 1.24 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion: 56 Resp: 35987
Ion Ratio Lower Upper
56 100
69 161.2 27.1 40.7#
84 105.6 73.4 110.0

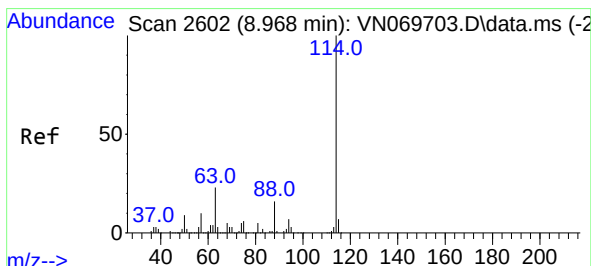
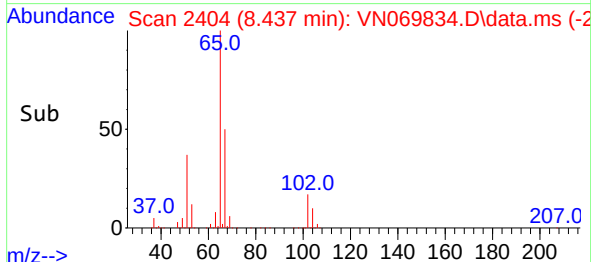
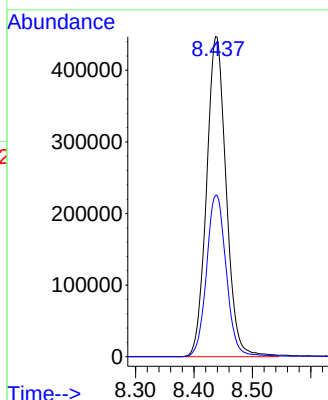
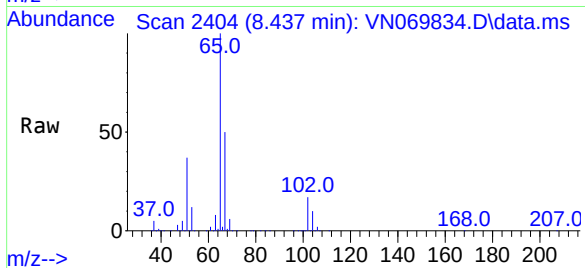




#33
1,2-Dichloroethane-d4
Concen: 49.90 ug/l
RT: 8.437 min Scan# 24
Delta R.T. -0.000 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

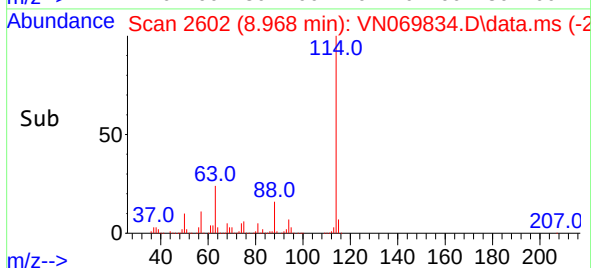
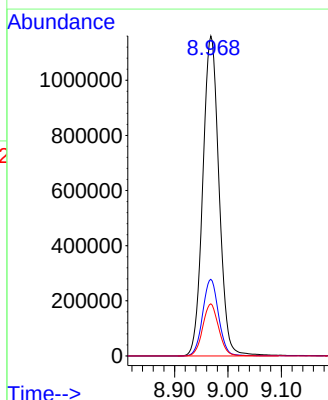
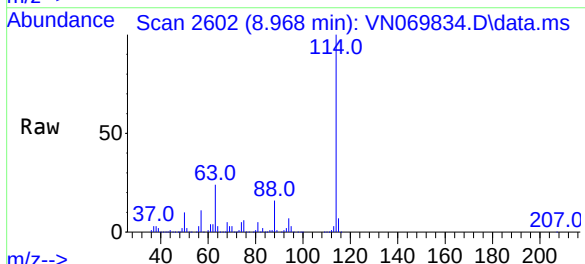
Instrument :
MSVOA_N
ClientSampleId :
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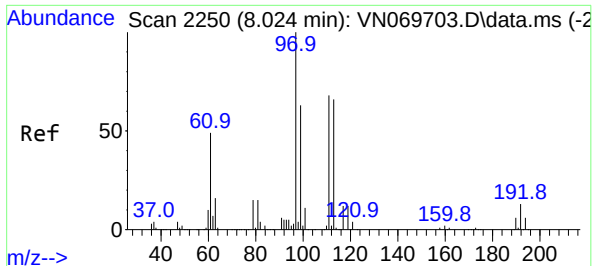
Tgt Ion: 65 Resp: 1044135
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

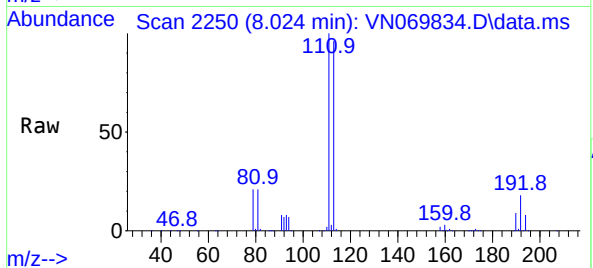
Tgt Ion:114 Resp: 2446547
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.3 0.0 27.4



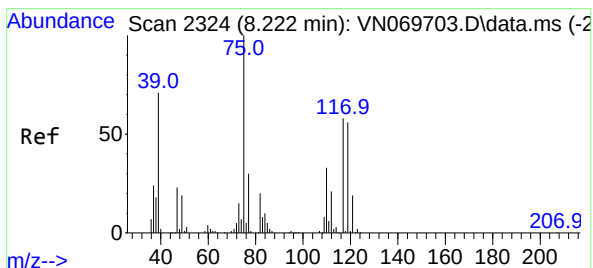
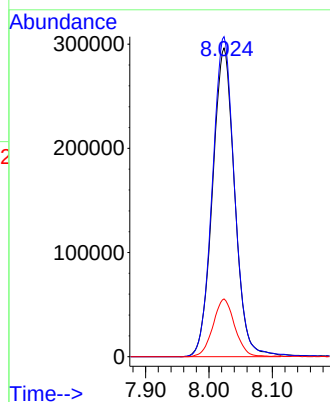
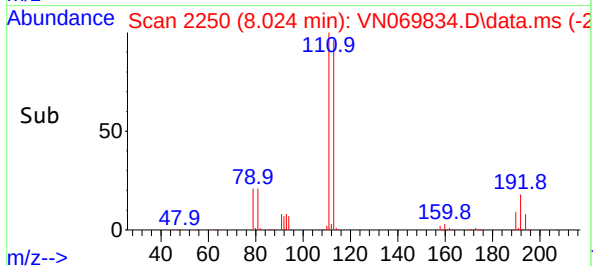


#35
Dibromofluoromethane
Concen: 46.94 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

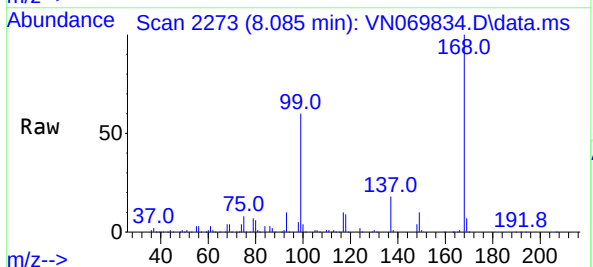
Instrument :
MSVOA_N
ClientSampleId :
MW178S-20211206



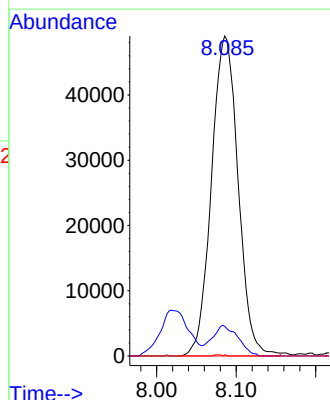
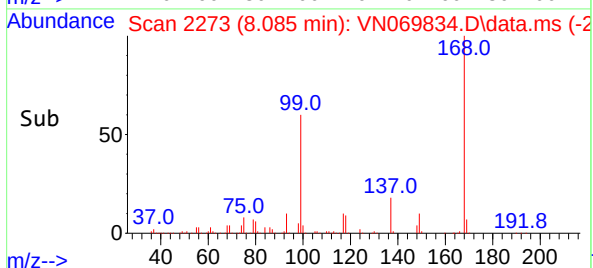
Tgt Ion:113 Resp: 719333
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.4 16.9 25.3

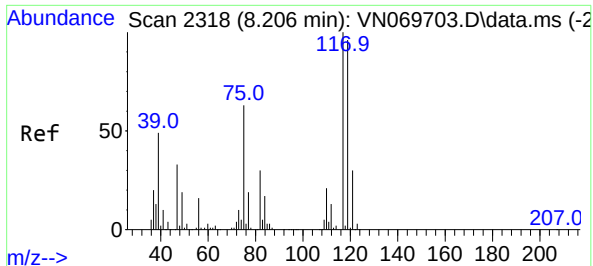


#36
1,1-Dichloropropene
Concen: 4.90 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43



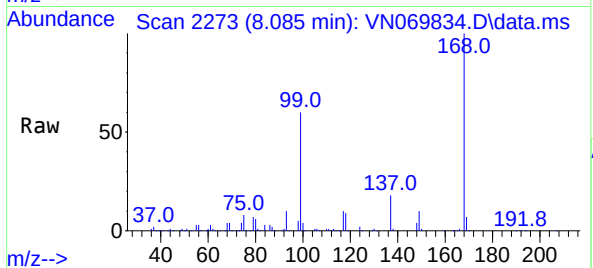
Tgt Ion: 75 Resp: 114059
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.1 24.4 36.6#



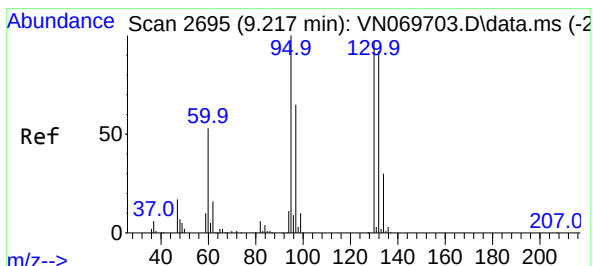
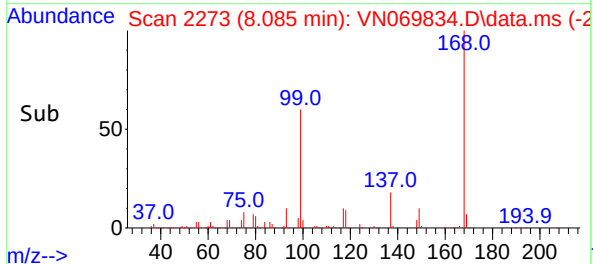
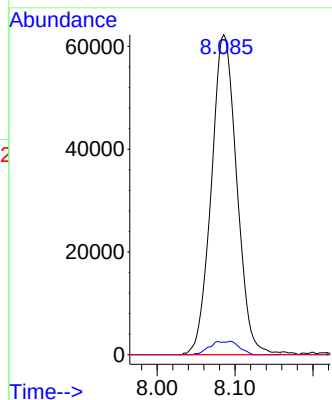


#38
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 8.085 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Instrument :
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ClientSampleId :
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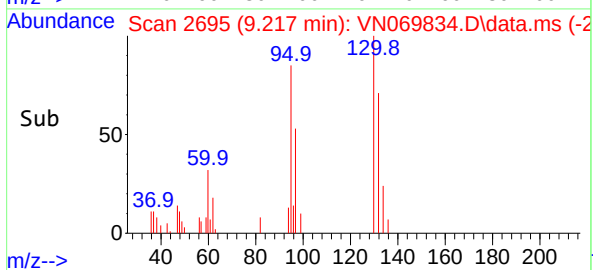
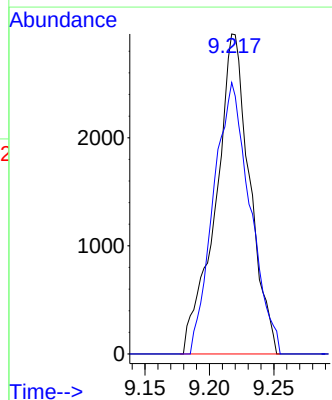
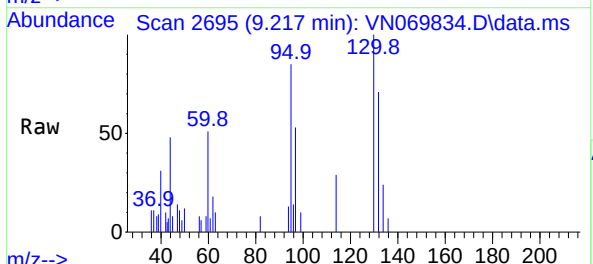


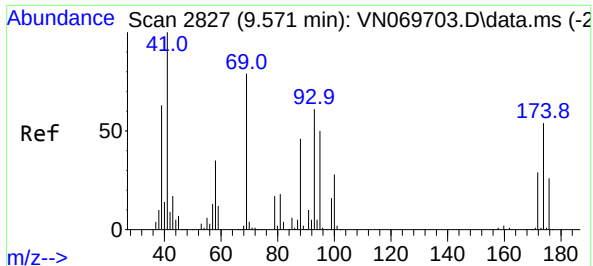
Tgt Ion:117 Resp: 141071
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.32 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion:130 Resp: 5439
Ion Ratio Lower Upper
130 100
95 84.8 0.0 191.2

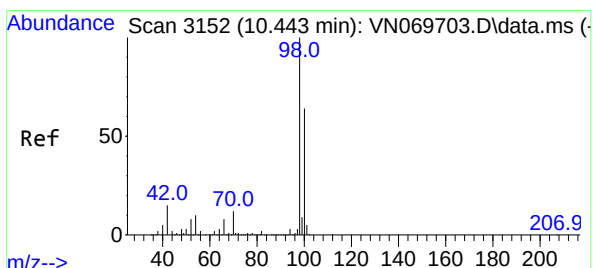
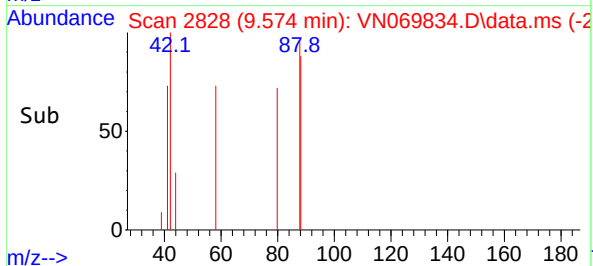
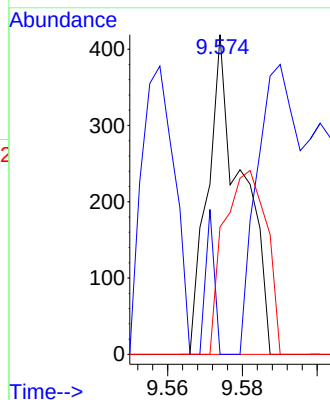
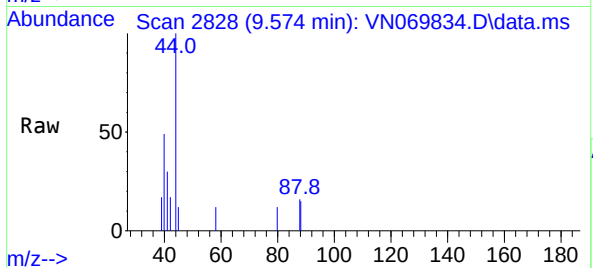




#49
1,4-Dioxane
Concen: 0.62 ug/l
RT: 9.574 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

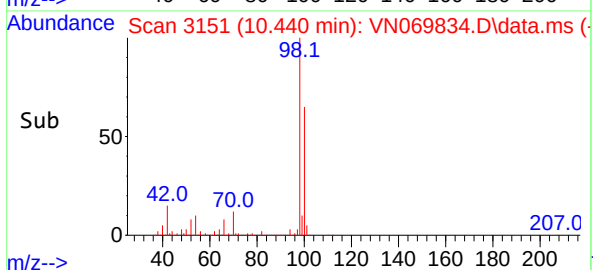
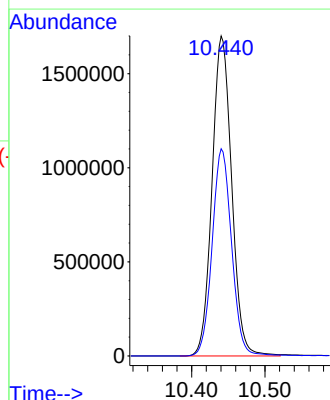
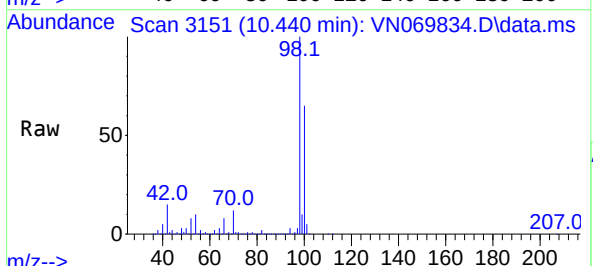
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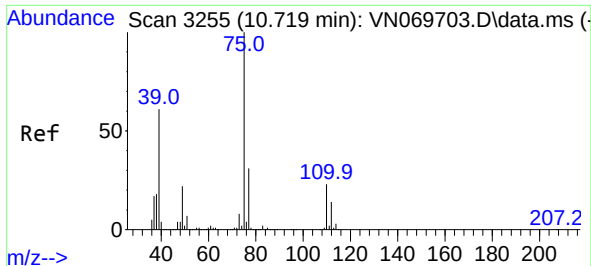
Tgt Ion: 88 Resp: 267
Ion Ratio Lower Upper
88 100
43 11.6 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 51.33 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion: 98 Resp: 3158598
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

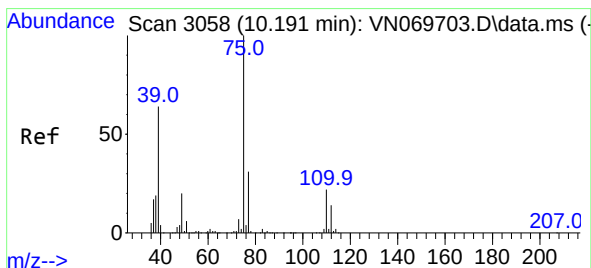
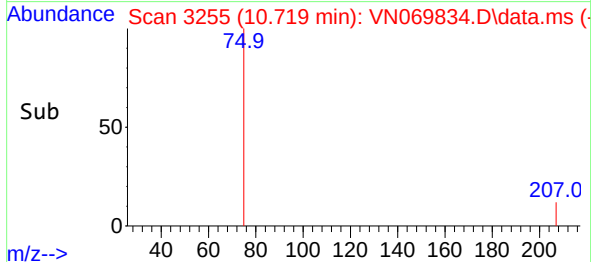
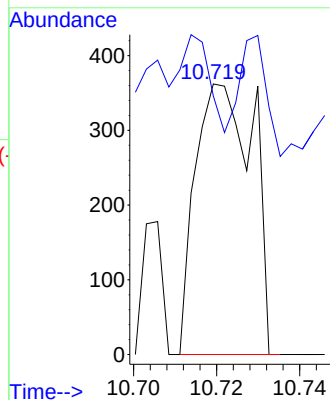
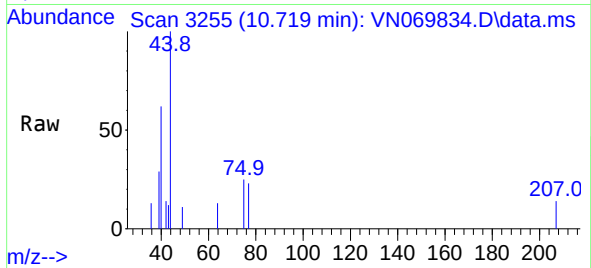




#53
t-1,3-Dichloropropene
Concen: 2.81 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

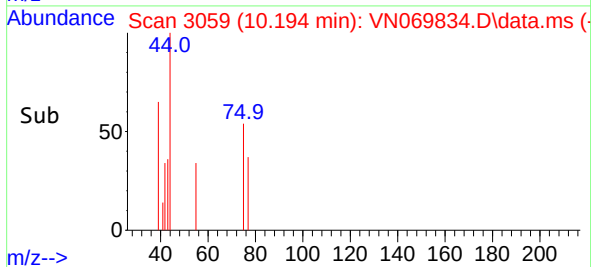
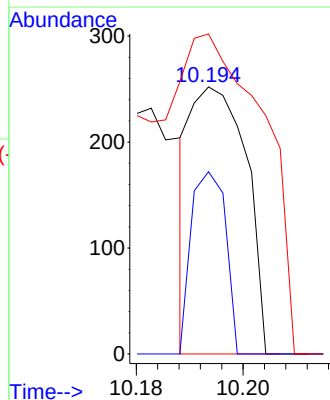
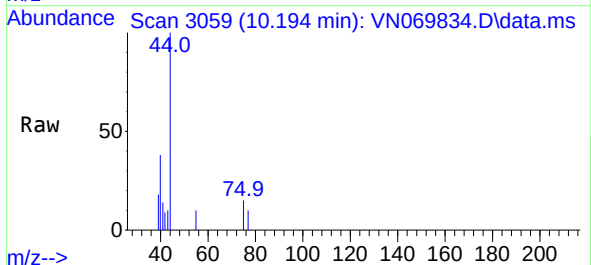
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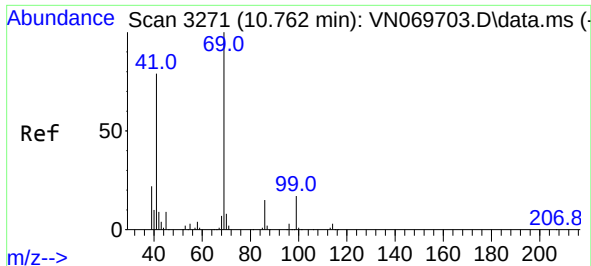
Tgt Ion: 75 Resp: 347
Ion Ratio Lower Upper
75 100
77 22.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.00 ug/l
RT: 10.194 min Scan# 3059
Delta R.T. 0.003 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion: 75 Resp: 180
Ion Ratio Lower Upper
75 100
77 68.3 26.4 39.6#
39 42.9 42.5 63.7

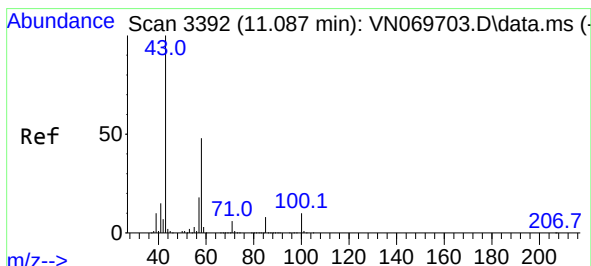
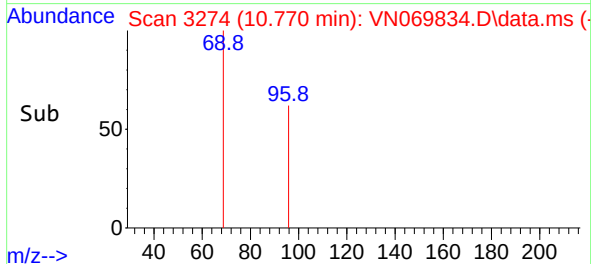
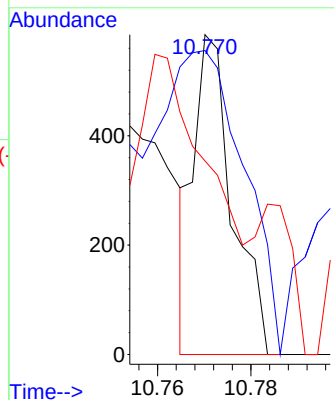
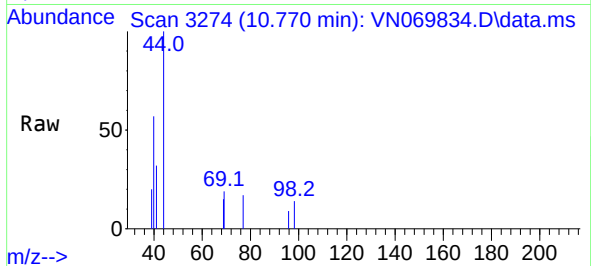




#56
Ethyl methacrylate
Concen: 2.29 ug/l
RT: 10.770 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

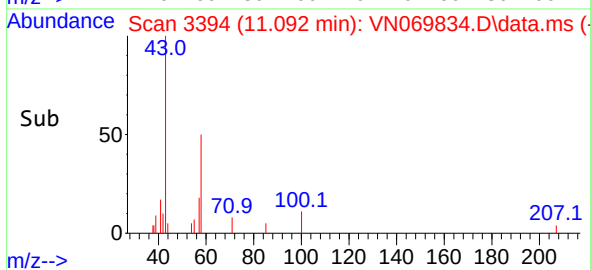
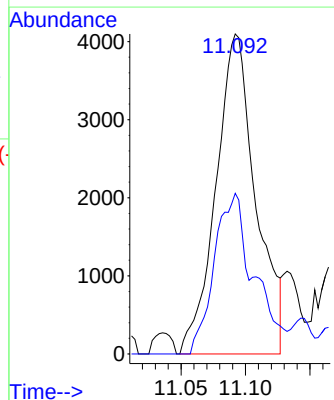
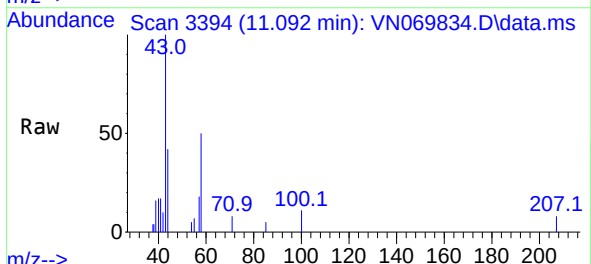
Instrument :
MSVOA_N
ClientSampleId :
MW178S-20211206

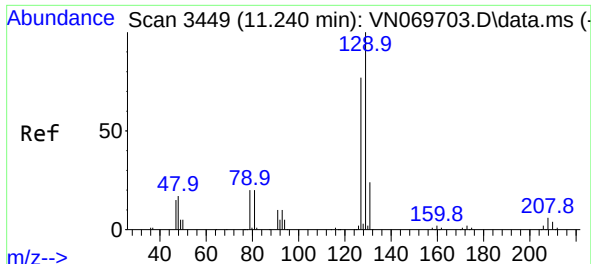
Tgt Ion: 69 Resp: 333
Ion Ratio Lower Upper
69 100
41 206.0 51.4 77.0#
39 243.2 34.6 52.0#



#59
2-Hexanone
Concen: 0.35 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion: 43 Resp: 8820
Ion Ratio Lower Upper
43 100
58 39.3 26.9 80.7

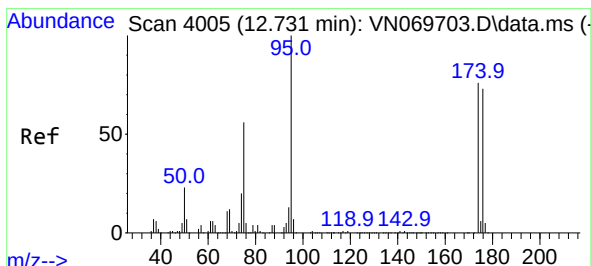
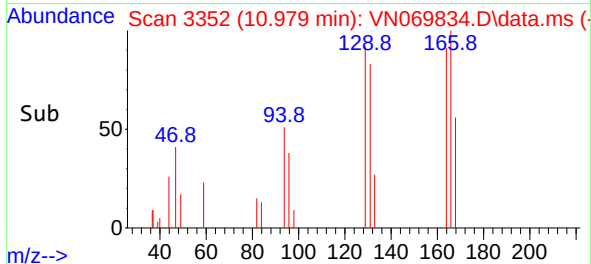
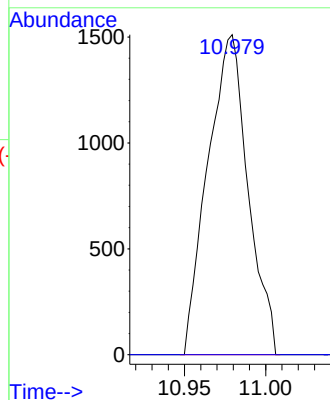
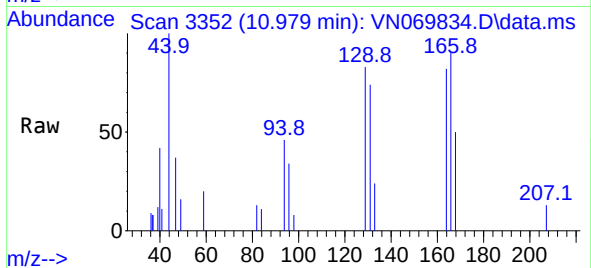




#60
Dibromochloromethane
Concen: 2.51 ug/l
RT: 10.979 min Scan# 31
Delta R.T. -0.261 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

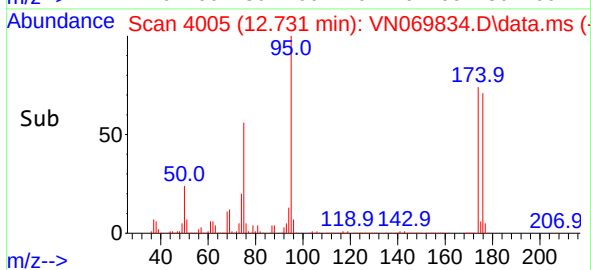
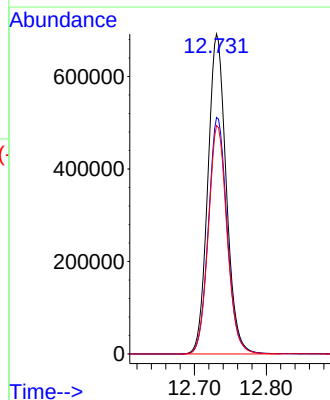
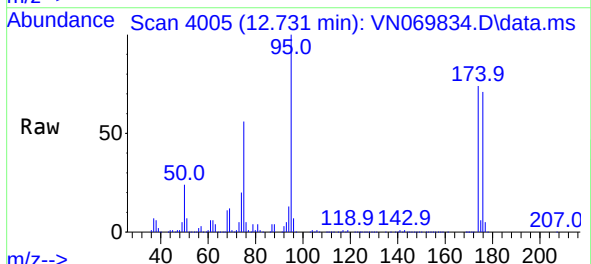
Instrument :
MSVOA_N
ClientSampleId :
MW178S-20211206

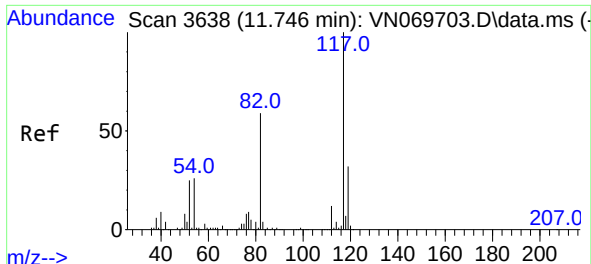
Tgt Ion:129 Resp: 2602
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.20 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

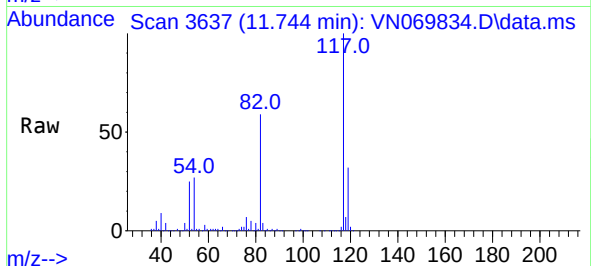
Tgt Ion: 95 Resp: 1230558
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 72.4 0.0 181.4





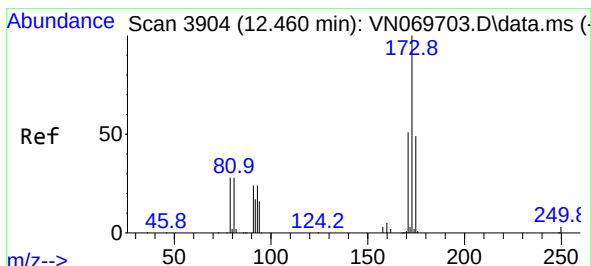
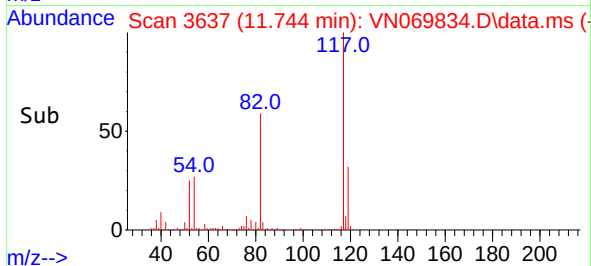
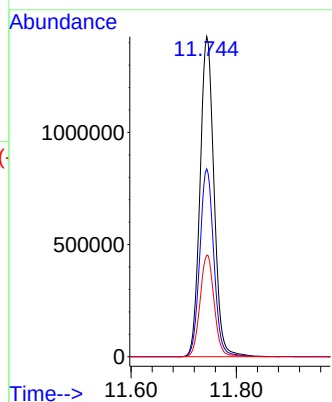
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Instrument :
MSVOA_N
ClientSampleId :
MW178S-20211206



Tgt Ion:117 Resp: 2626715

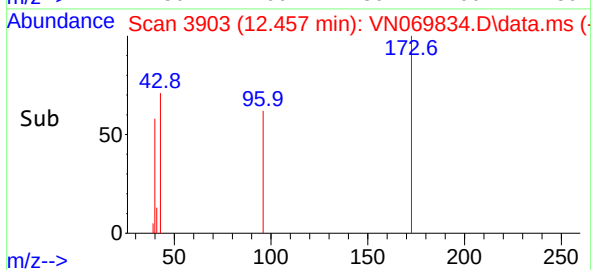
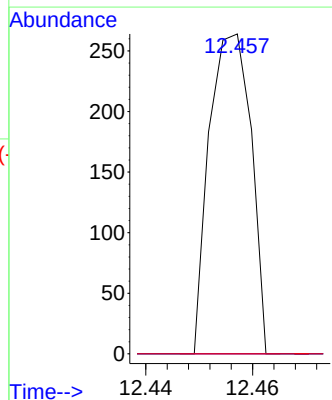
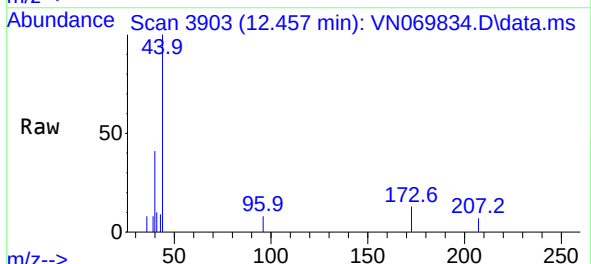
Ion	Ratio	Lower	Upper
117	100		
82	58.7	42.4	63.6
119	31.7	25.4	38.2

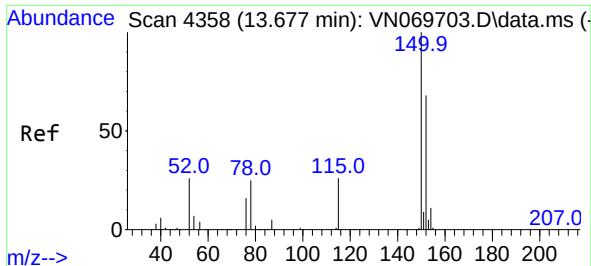


#71
Bromoform
Concen: 2.74 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.003 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion:173 Resp: 143

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6
254	0.0	0.0	0.0

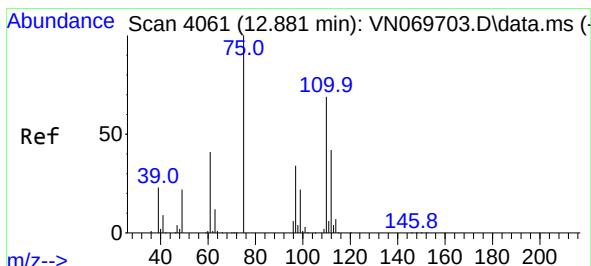
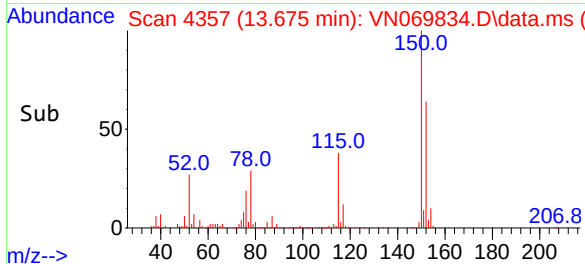
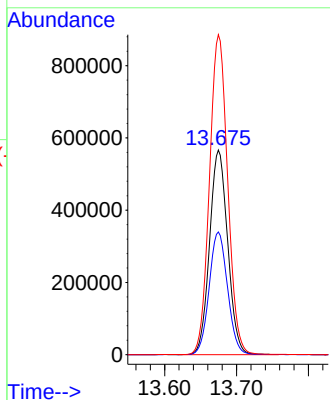
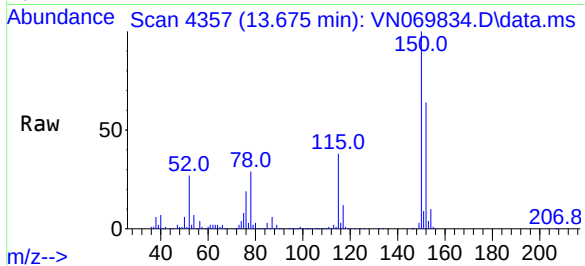




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

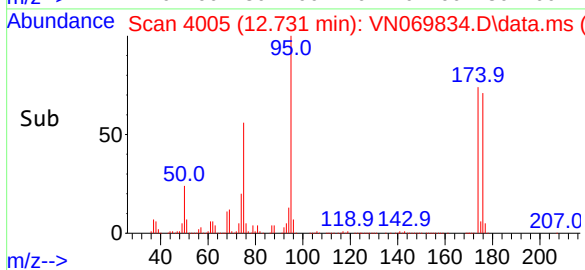
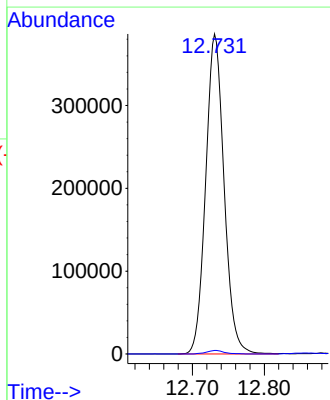
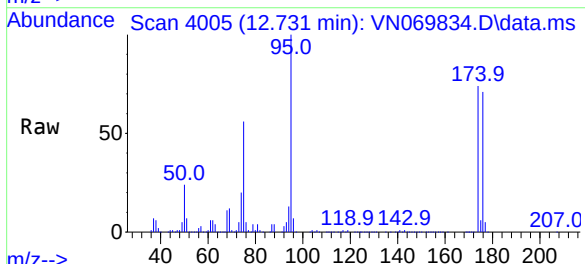
Instrument :
MSVOA_N
ClientSampleId :
MW178S-20211206

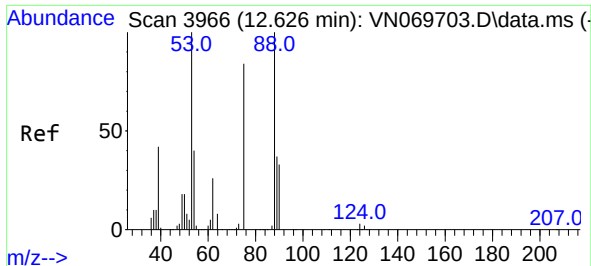
Tgt Ion:152 Resp: 992762
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 156.7 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.15 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion: 75 Resp: 687483
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

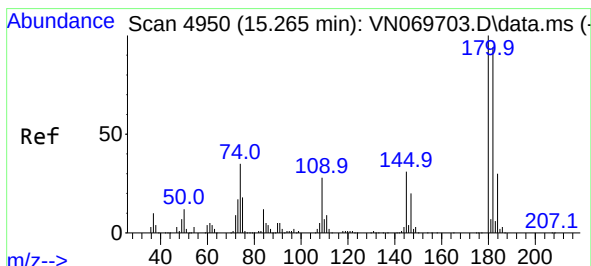
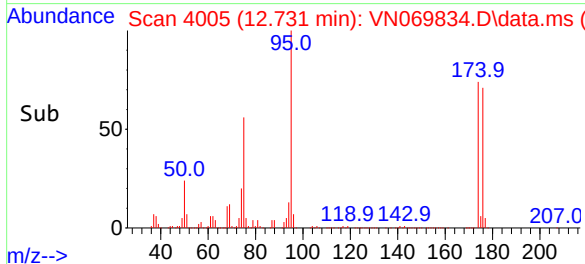
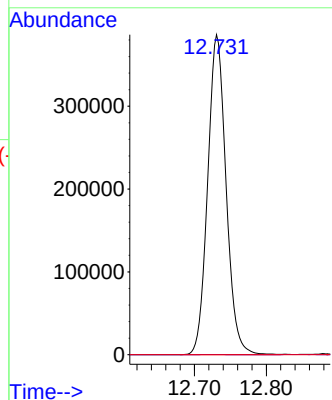
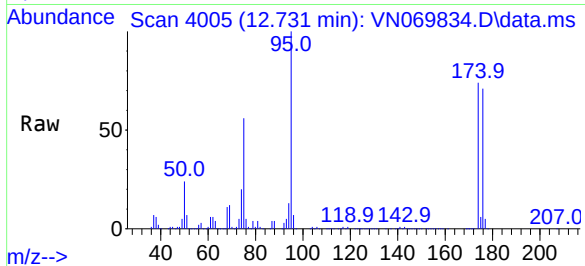




#81
trans-1,4-Dichloro-2-butene
Concen: 76.67 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

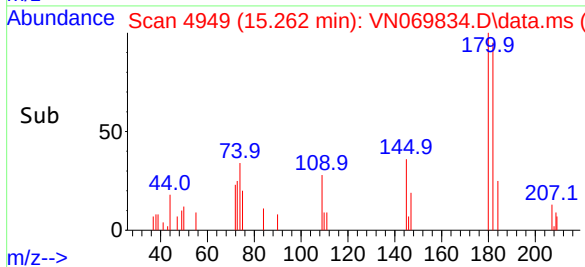
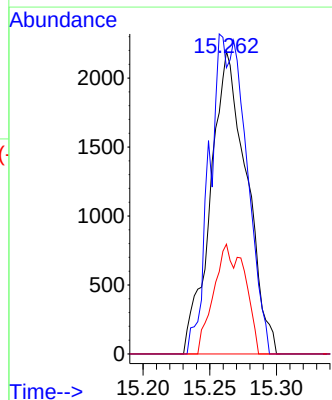
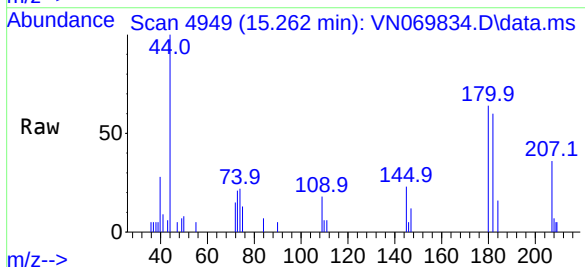
Instrument :
MSVOA_N
ClientSampleId :
MW178S-20211206

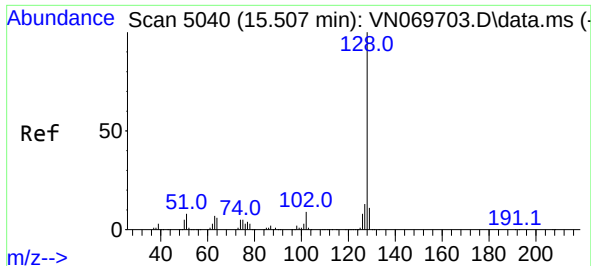
Tgt Ion: 75 Resp: 687483
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.12 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion:180 Resp: 4128
Ion Ratio Lower Upper
180 100
182 52.3 48.3 144.9
145 19.6 14.5 43.5

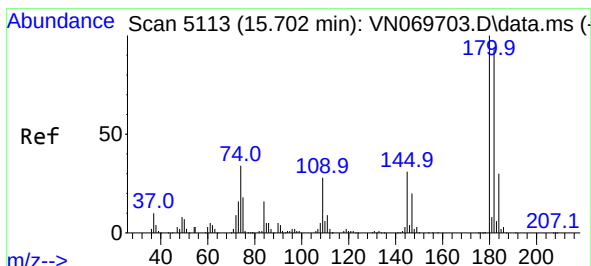
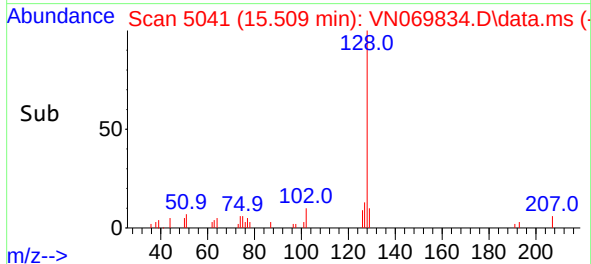
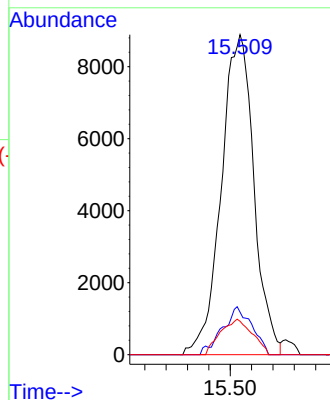
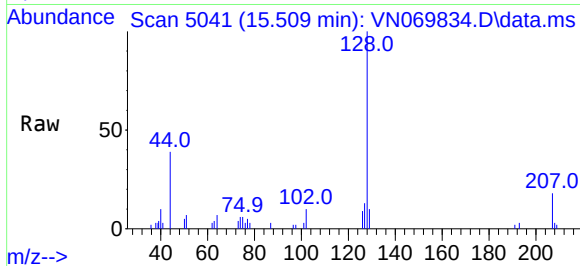




#95
Naphthalene
Concen: 4.34 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Instrument :
MSVOA_N
ClientSampleId :
MW178S-20211206

Tgt Ion:	128	Resp:	18829
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.71 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069834.D
Acq: 8 Dec 2021 00:43

Tgt Ion:	180	Resp:	4558
Ion	Ratio	Lower	Upper
180	100		
182	108.1	47.4	142.2
145	38.9	15.0	45.1

