

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069844.D
 Acq On : 8 Dec 2021 4:58
 Operator : JC/MD
 Sample : M4956-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW202D1-20211204

Quant Time: Dec 08 06:39:30 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	1282389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2315321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2517289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	949449	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1006378	50.83	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.66%
35) Dibromofluoromethane	8.021	113	694596	47.89	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.78%
50) Toluene-d8	10.440	98	3013922	51.76	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.52%
62) 4-Bromofluorobenzene	12.731	95	1181639	56.01	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.02%

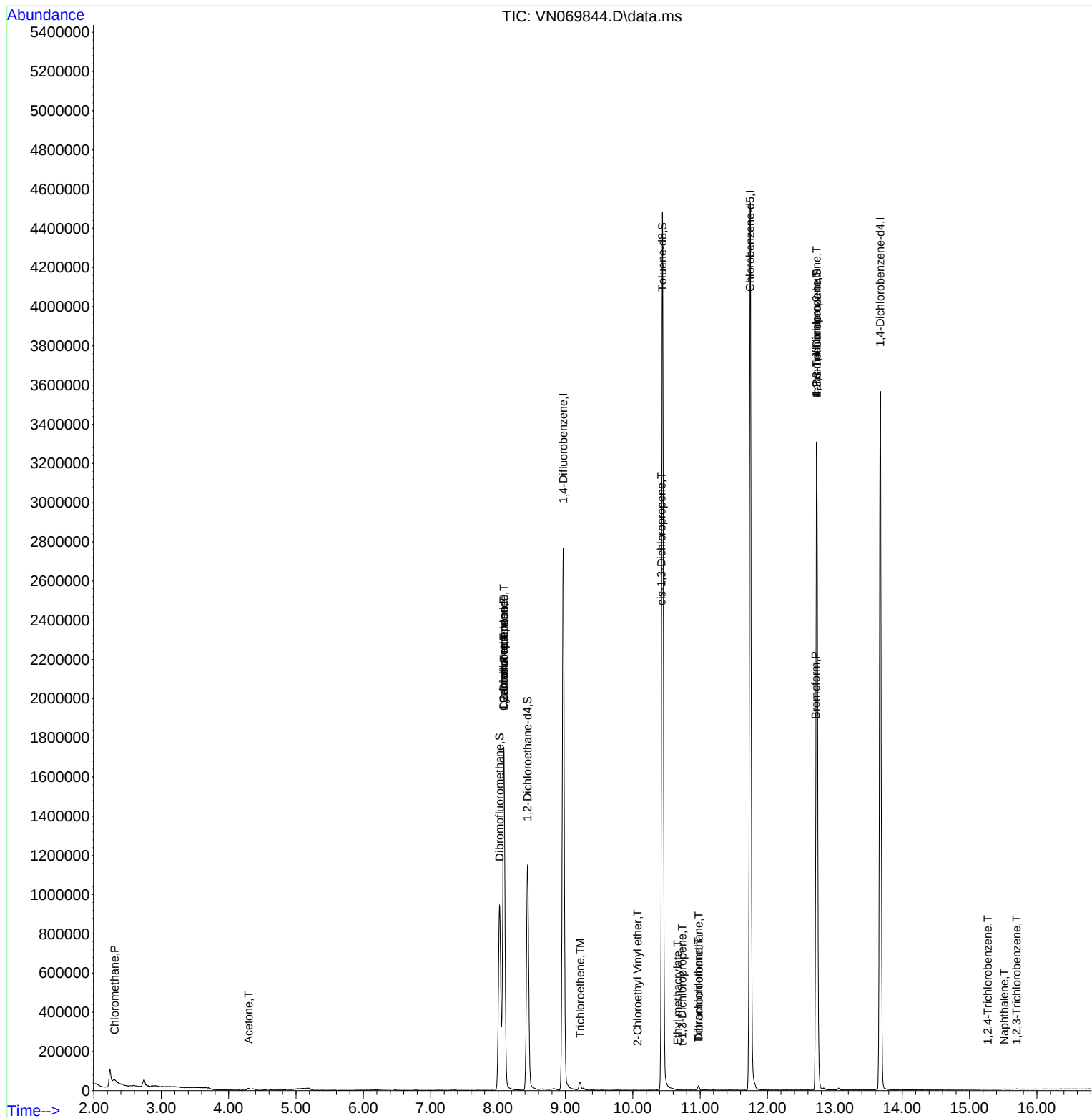
Target Compounds					Qvalue
3) Chloromethane	2.306	50	4495	0.24	ug/l 92
16) Acetone	4.296	43	13881	1.17	ug/l 94
31) Cyclohexane	8.083	56	32793	1.19	ug/l # 17
36) 1,1-Dichloropropene	8.083	75	108863	4.94	ug/l # 49
38) Carbon Tetrachloride	8.086	117	133837	6.19	ug/l # 16
44) Trichloroethene	9.220	130	13638	0.85	ug/l 91
53) t-1,3-Dichloropropene	10.733	75	51	2.80	ug/l # 43
54) cis-1,3-Dichloropropene	10.427	75	93	2.00	ug/l # 1
56) Ethyl methacrylate	10.666	69	136	2.28	ug/l # 1
58) 2-Chloroethyl Vinyl ether	10.070	63	26	18.39	ug/l # 45
60) Dibromochloromethane	10.977	129	4476	2.62	ug/l # 11
64) Tetrachloroethene	10.974	164	5015	0.29	ug/l 93
71) Bromoform	12.717	173	655	2.77	ug/l # 29
76) 1,2,3-Trichloropropane	12.731	75	656209	24.10	ug/l # 1
81) trans-1,4-Dichloro-2-b...	12.731	75	656209	76.53	ug/l # 5
93) 1,2,4-Trichlorobenzene	15.271	180	178	2.89	ug/l # 12
95) Naphthalene	15.515	128	886	4.00	ug/l # 84
96) 1,2,3-Trichlorobenzene	15.700	180	373	2.46	ug/l # 81

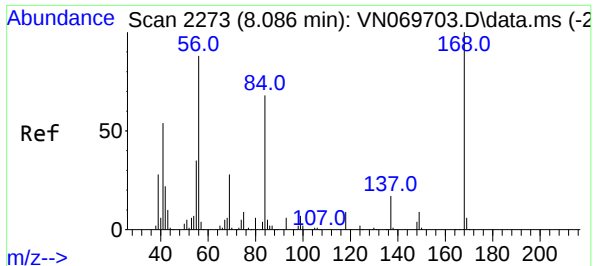
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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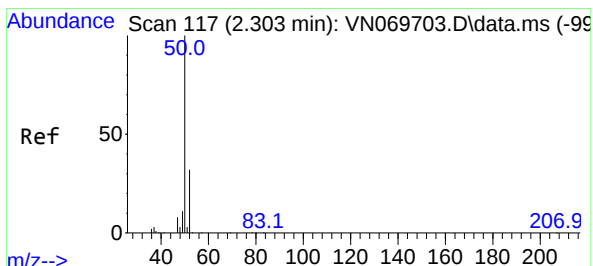
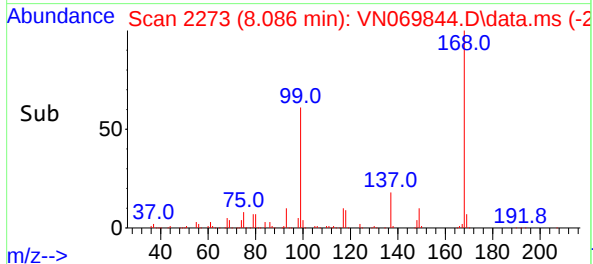
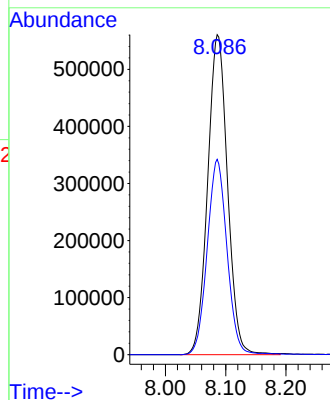
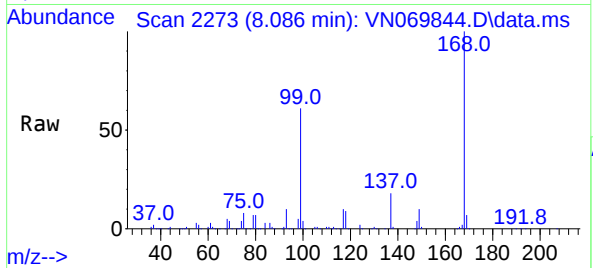




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

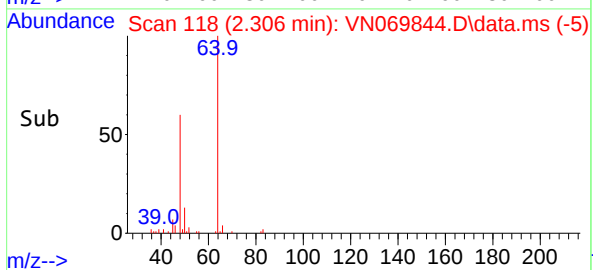
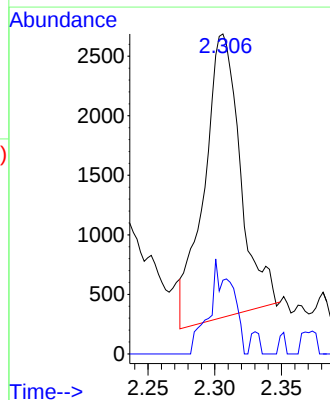
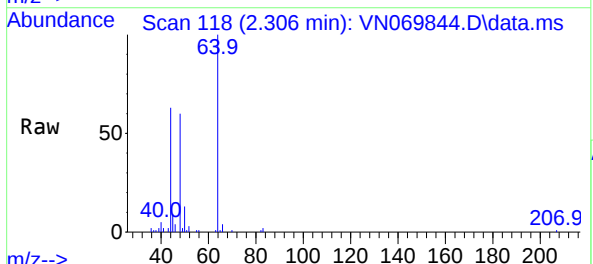
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204

Tgt Ion:168 Resp: 1282389
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion: 50 Resp: 4495
Ion Ratio Lower Upper
50 100
52 27.5 25.4 38.0

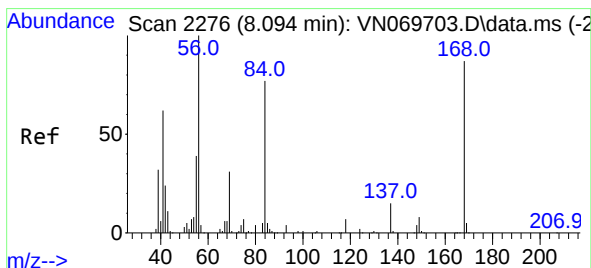
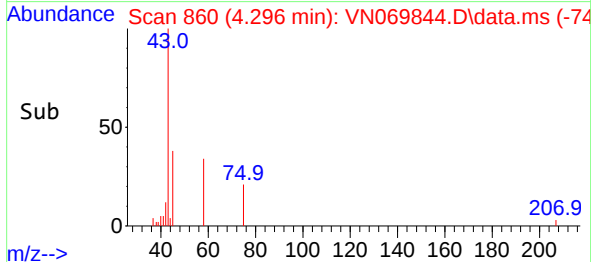
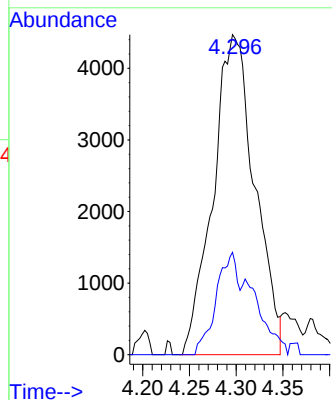
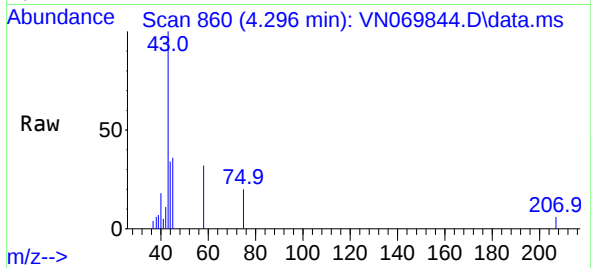




#16
Acetone
Concen: 1.17 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.006 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

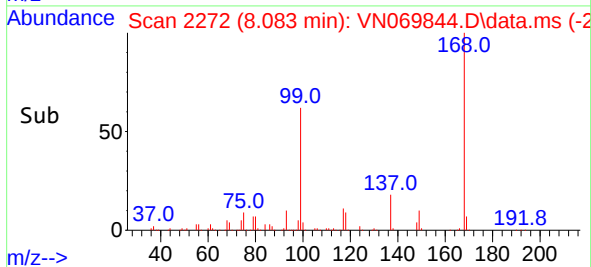
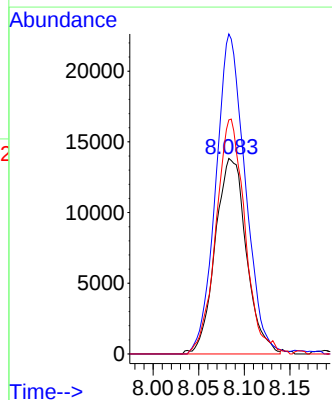
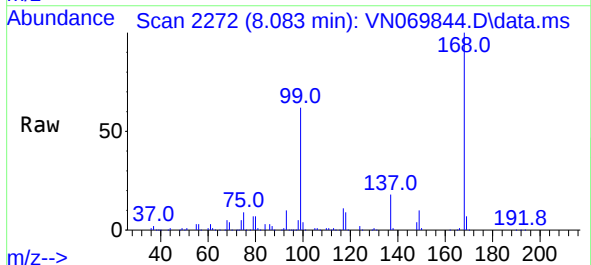
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ClientSampleId :
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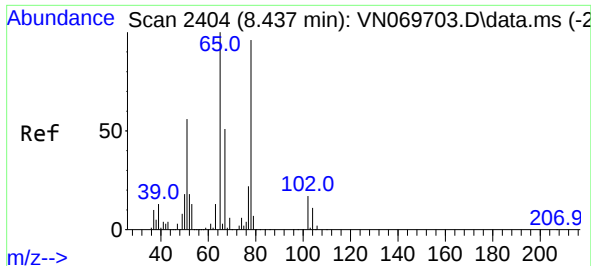
Tgt Ion: 43 Resp: 13881
Ion Ratio Lower Upper
43 100
58 32.0 23.1 34.7



#31
Cyclohexane
Concen: 1.19 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion: 56 Resp: 32793
Ion Ratio Lower Upper
56 100
69 163.7 27.1 40.7#
84 119.8 73.4 110.0#

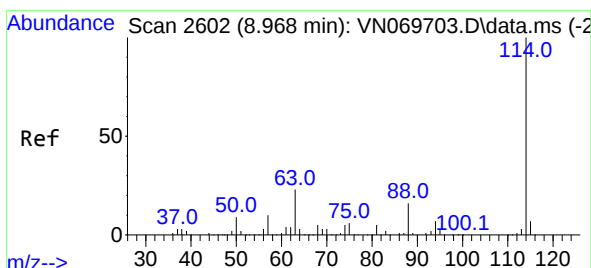
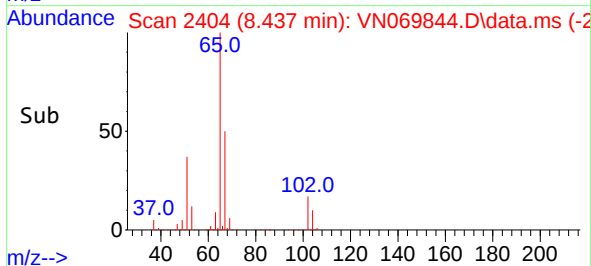
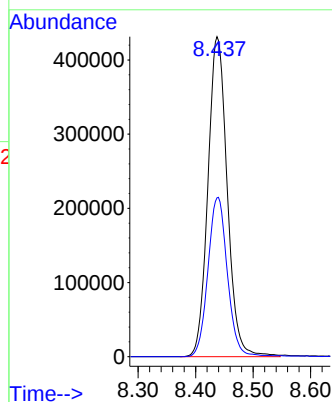
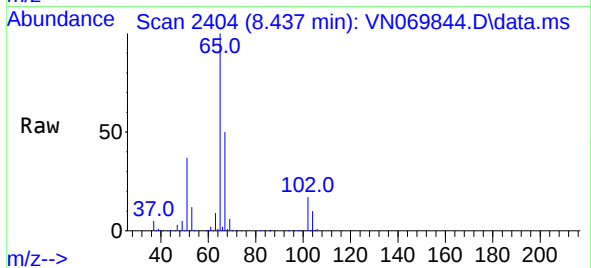




#33
1,2-Dichloroethane-d4
Concen: 50.83 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

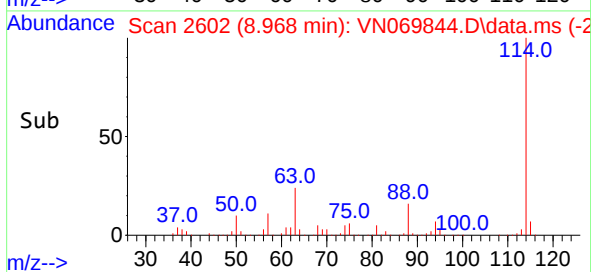
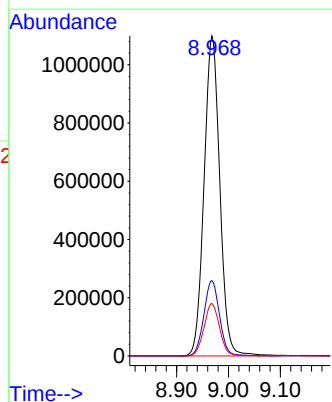
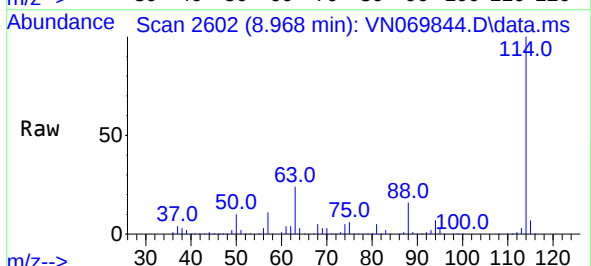
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204

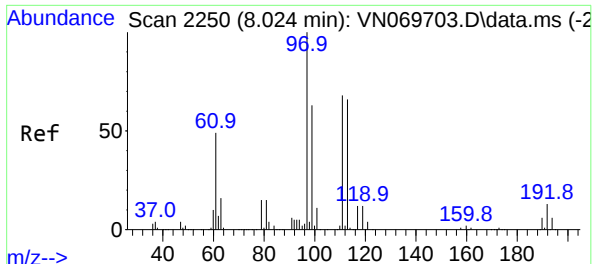
Tgt Ion: 65 Resp: 1006378
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion: 114 Resp: 2315321
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.4 0.0 27.4

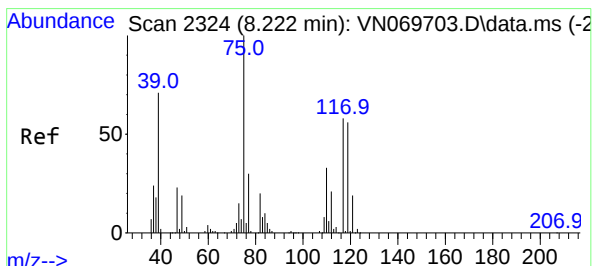
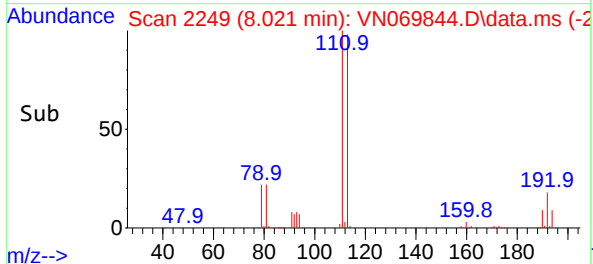
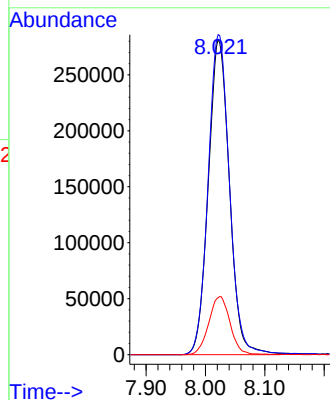
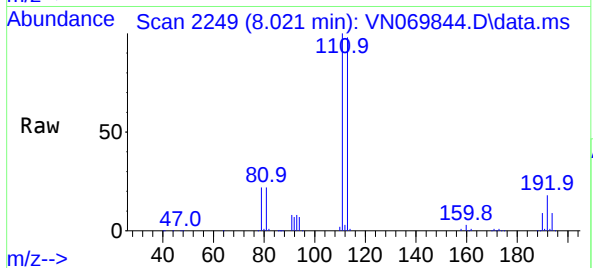




#35
Dibromofluoromethane
Concen: 47.89 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

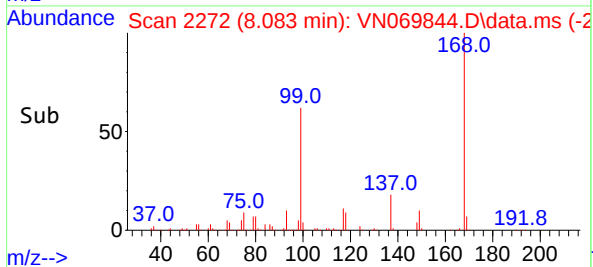
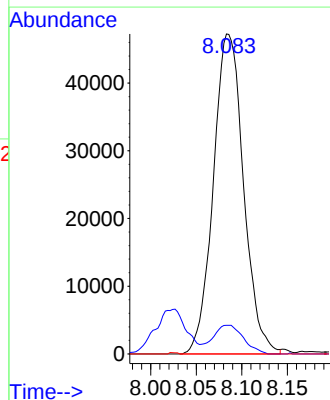
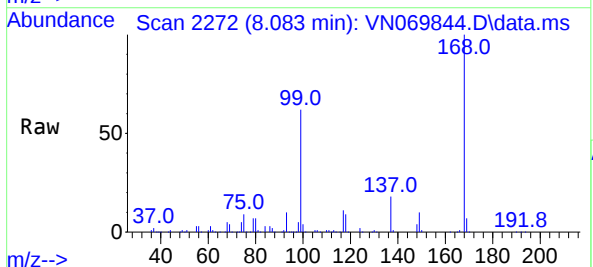
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204

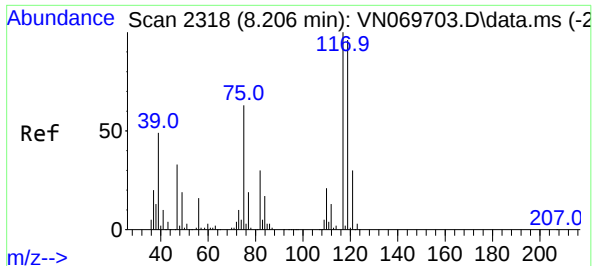
Tgt Ion:113 Resp: 694596
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.94 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

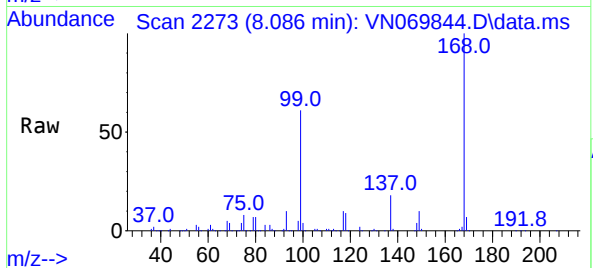
Tgt Ion: 75 Resp: 108863
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#



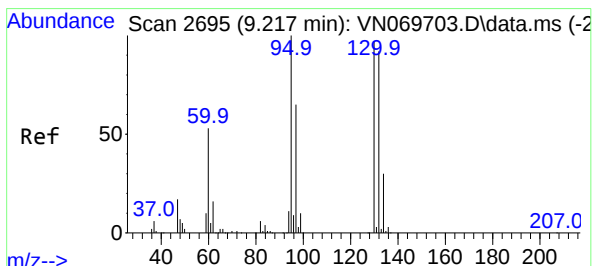
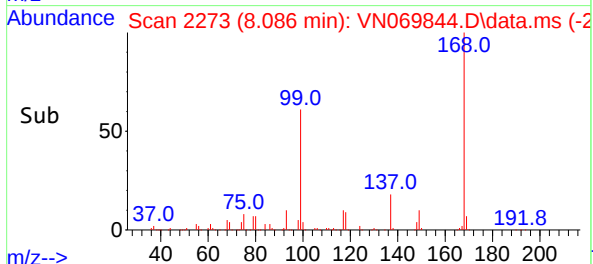
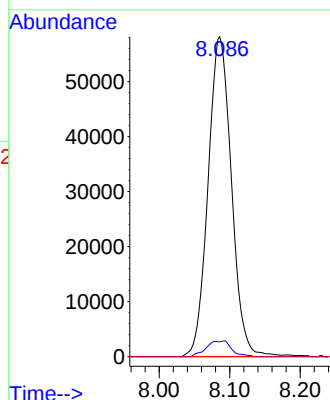


#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Instrument :
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ClientSampleId :
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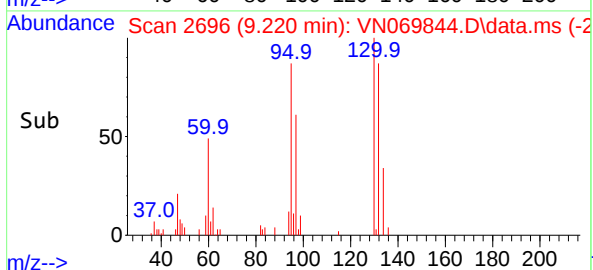
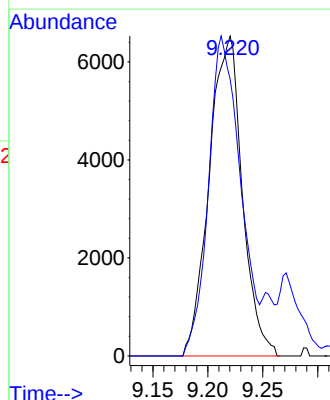
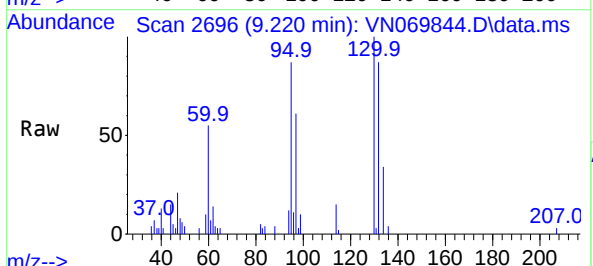


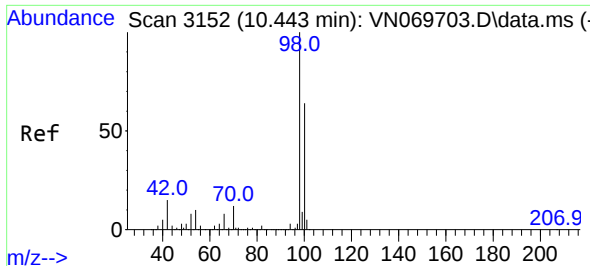
Tgt Ion:117 Resp: 133837
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.85 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.003 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion:130 Resp: 13638
Ion Ratio Lower Upper
130 100
95 86.6 0.0 191.2

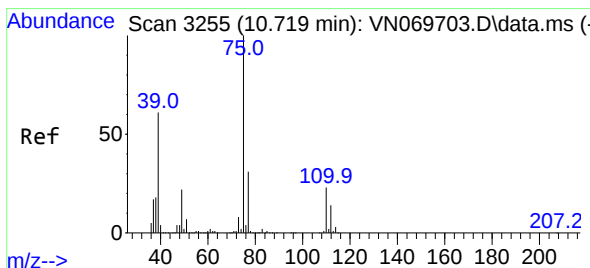
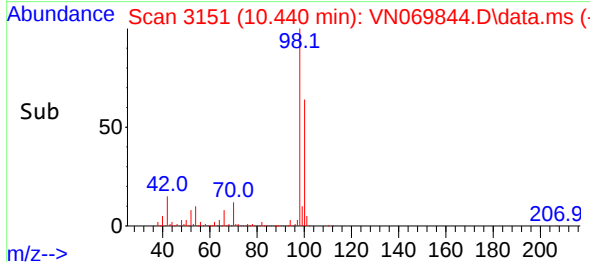
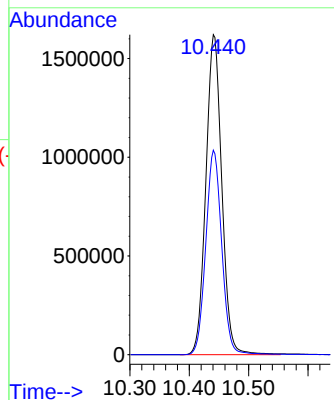
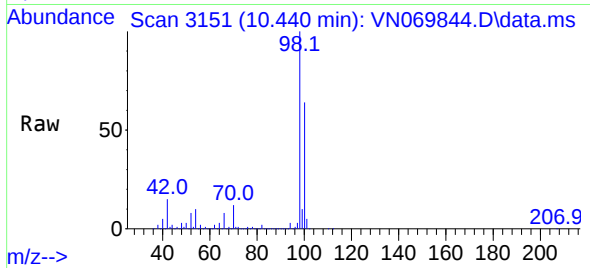




#50
Toluene-d8
Concen: 51.76 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

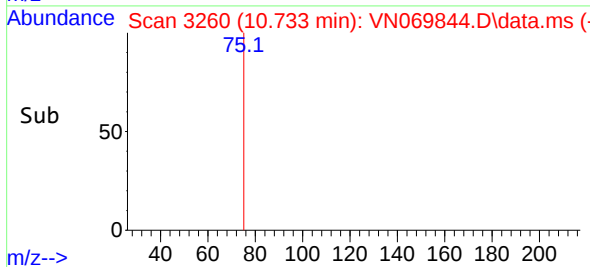
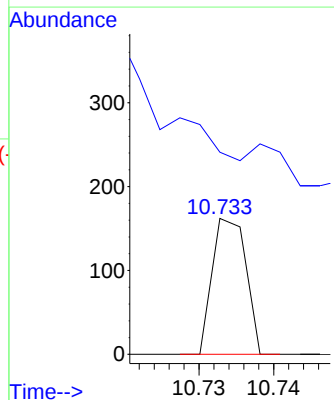
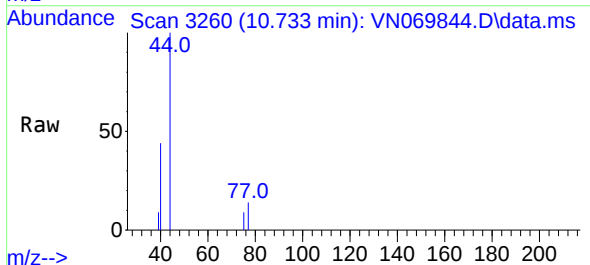
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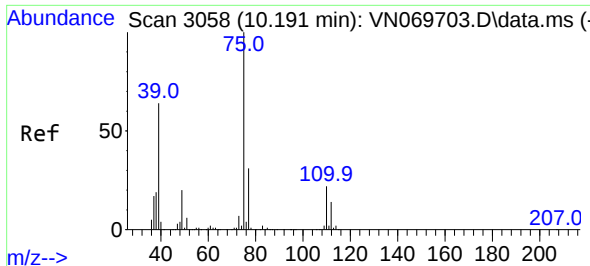
Tgt Ion: 98 Resp: 3013922
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.733 min Scan# 3260
Delta R.T. 0.014 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

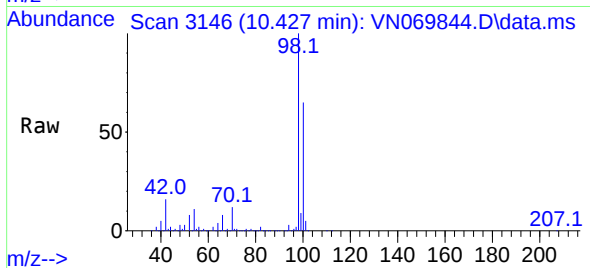
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#





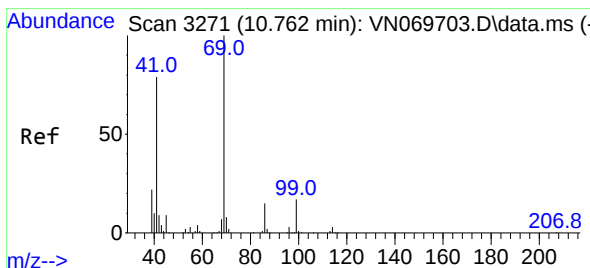
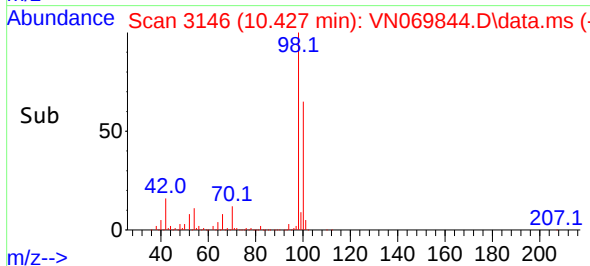
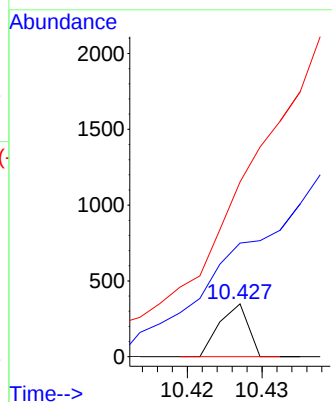
#54
cis-1,3-Dichloropropene
Concen: 2.00 ug/l
RT: 10.427 min Scan# 3146
Delta R.T. 0.236 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204



Tgt Ion: 75 Resp: 93

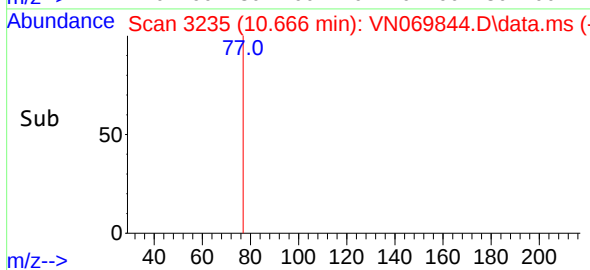
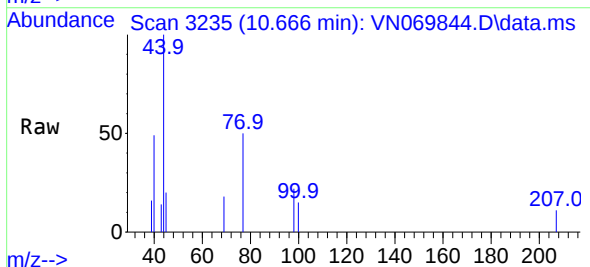
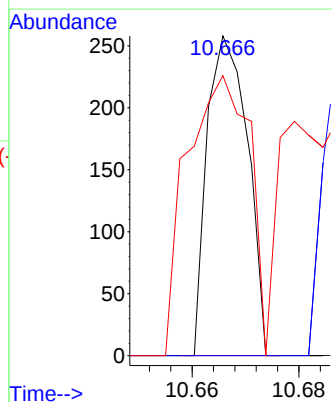
Ion	Ratio	Lower	Upper
75	100		
77	132.1	26.4	39.6#
39	199.1	42.5	63.7#

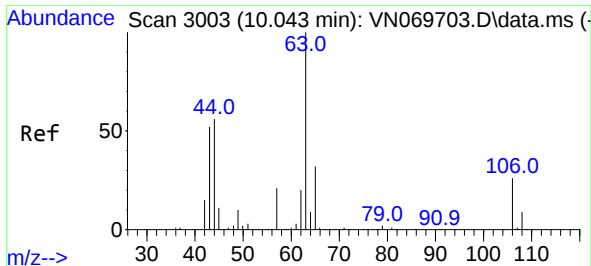


#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.666 min Scan# 3235
Delta R.T. -0.096 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion: 69 Resp: 136

Ion	Ratio	Lower	Upper
69	100		
41	0.0	51.4	77.0#
39	135.3	34.6	52.0#

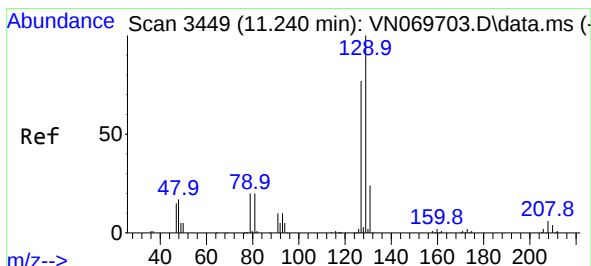
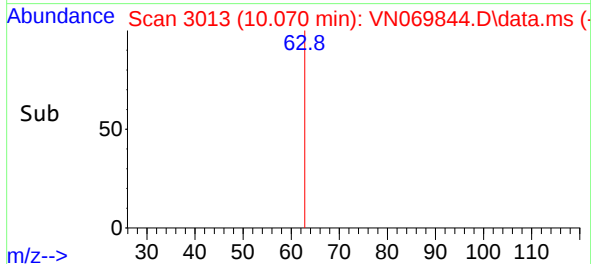
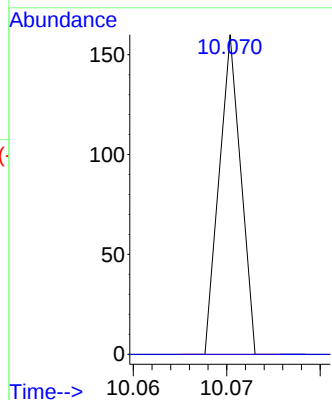
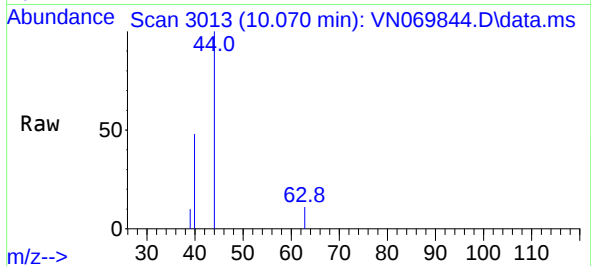




#58
2-Chloroethyl Vinyl ether
Concen: 18.39 ug/l
RT: 10.070 min Scan# 3003
Delta R.T. 0.027 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

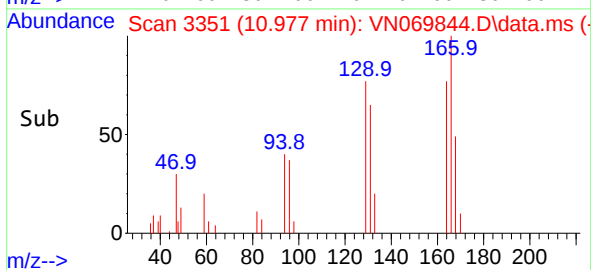
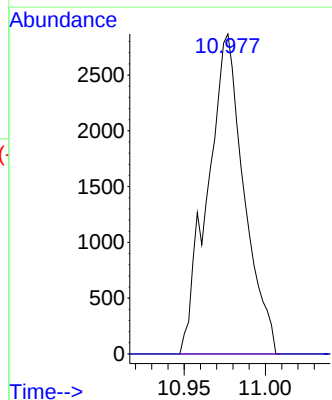
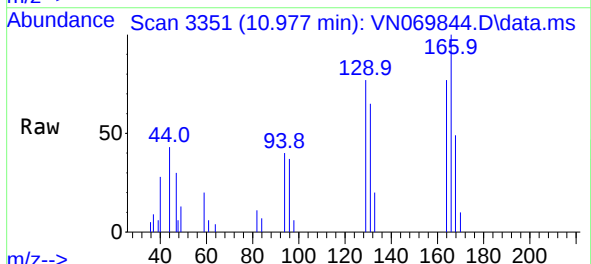
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204

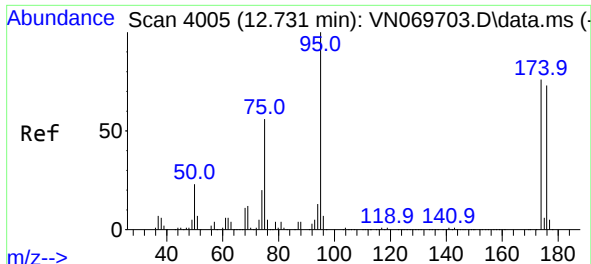
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.62 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion: 129 Resp: 4476
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

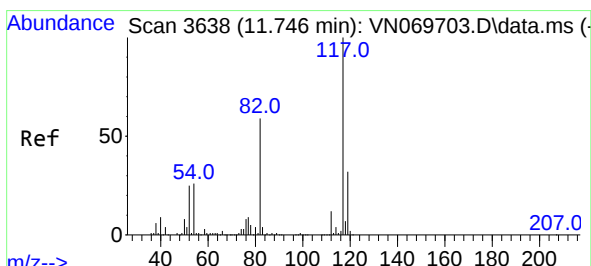
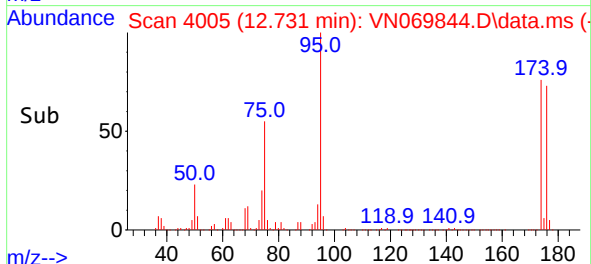
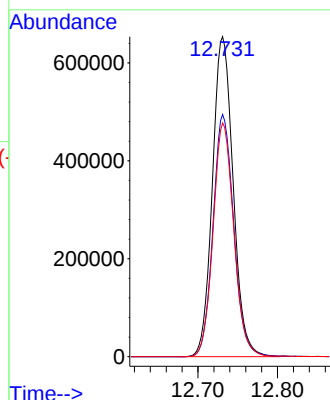
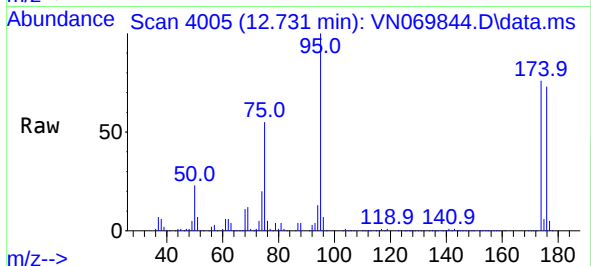




#62
4-Bromofluorobenzene
Concen: 56.01 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

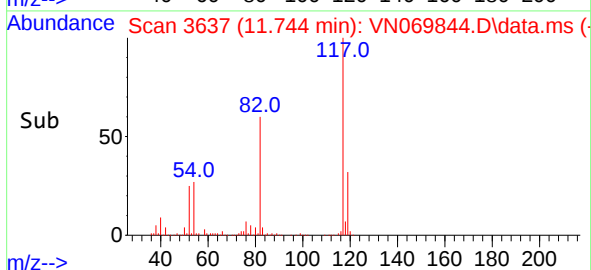
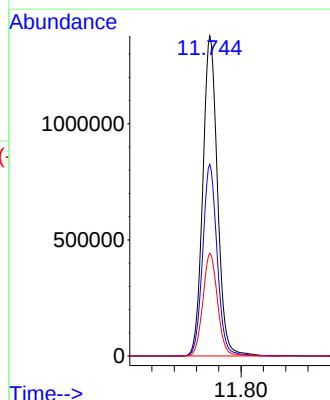
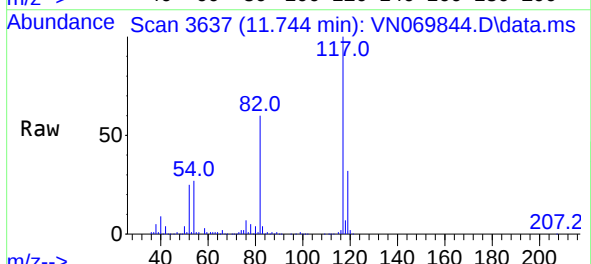
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204

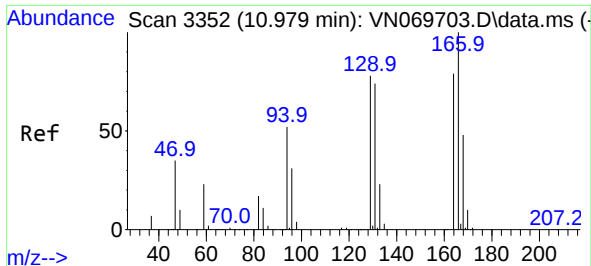
Tgt Ion: 95 Resp: 1181639
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 73.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion: 117 Resp: 2517289
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.0 25.4 38.2

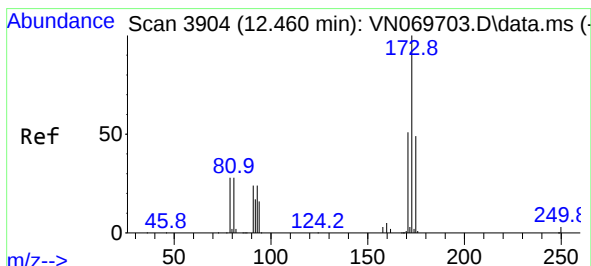
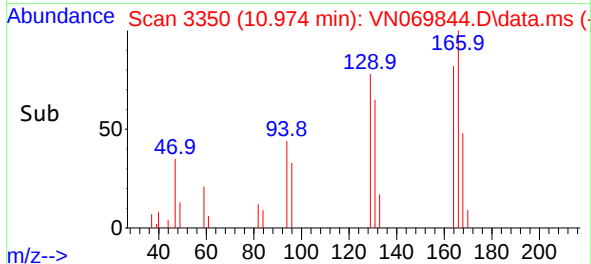
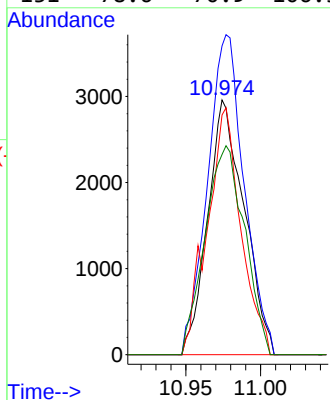
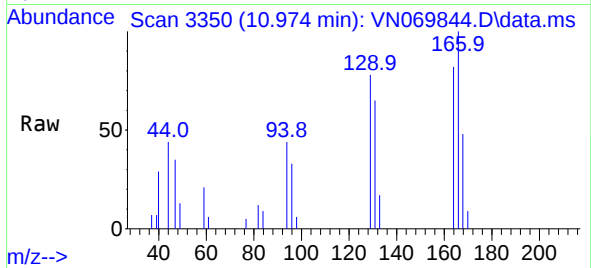




#64
Tetrachloroethene
Concen: 0.29 ug/l
RT: 10.974 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

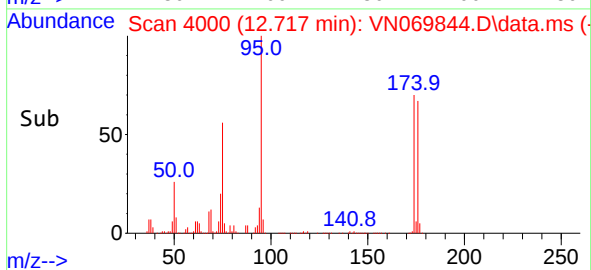
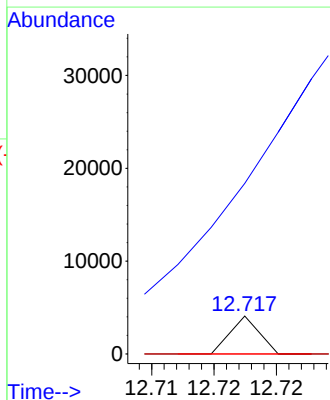
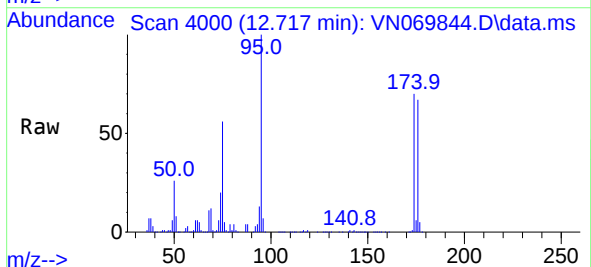
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204

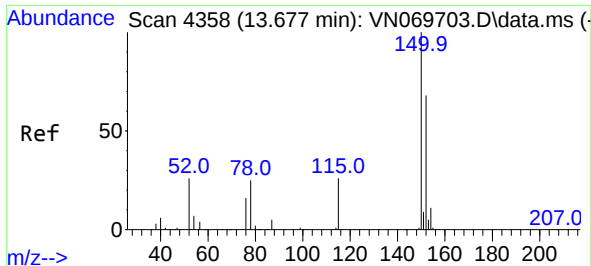
Tgt Ion:164 Resp: 5015
Ion Ratio Lower Upper
164 100
166 121.2 101.9 152.9
129 94.1 72.0 108.0
131 78.6 70.9 106.3



#71
Bromoform
Concen: 2.77 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion:173 Resp: 655
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

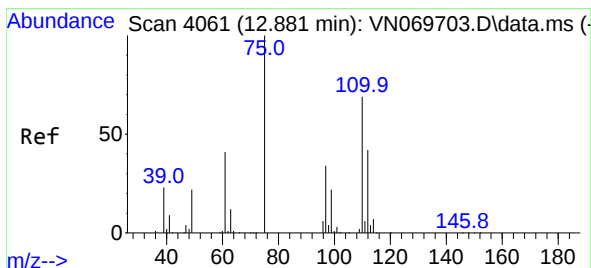
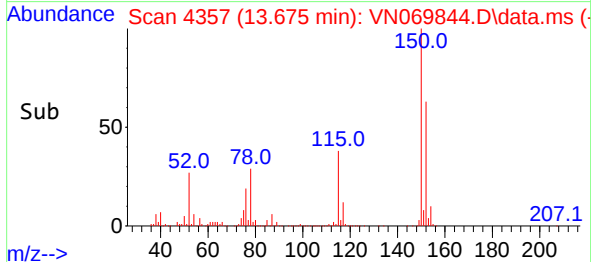
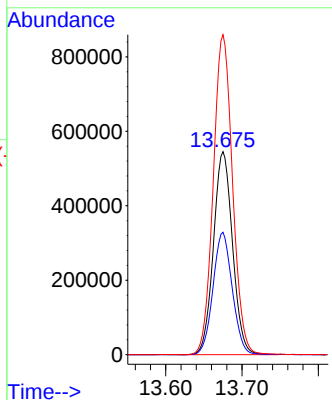
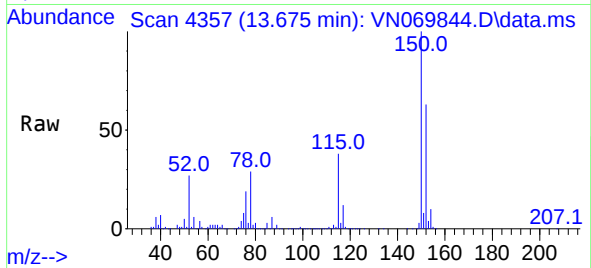




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

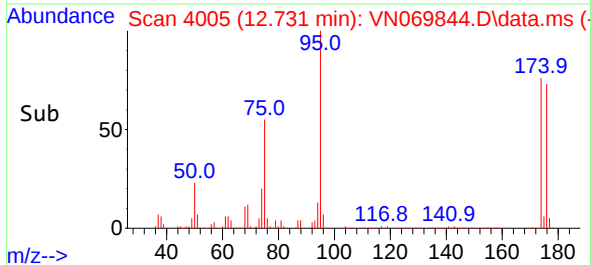
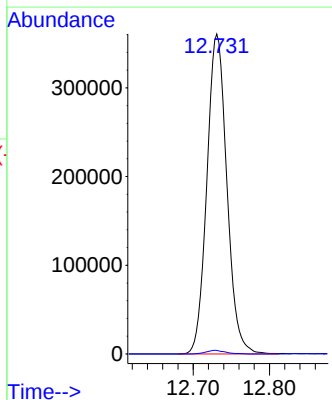
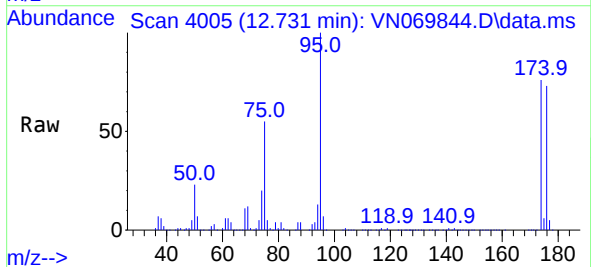
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204

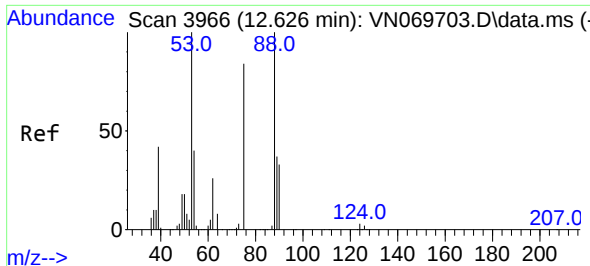
Tgt Ion:152 Resp: 949449
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 158.9 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.10 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion: 75 Resp: 656209
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

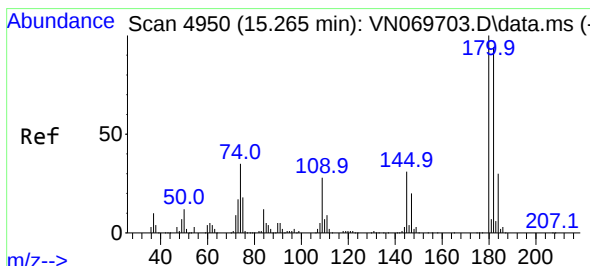
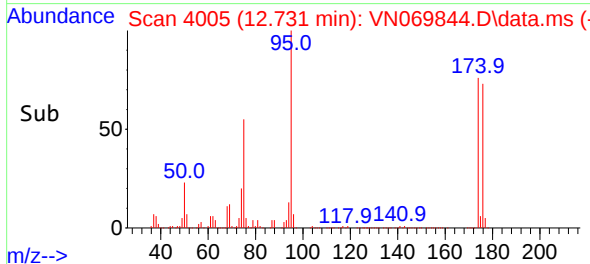
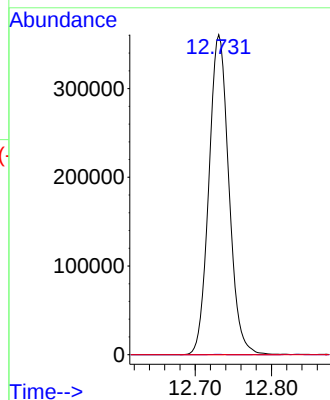
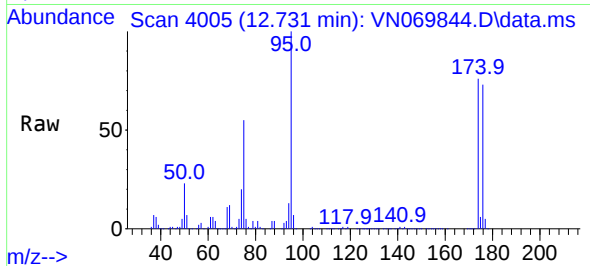




#81
trans-1,4-Dichloro-2-butene
Concen: 76.53 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

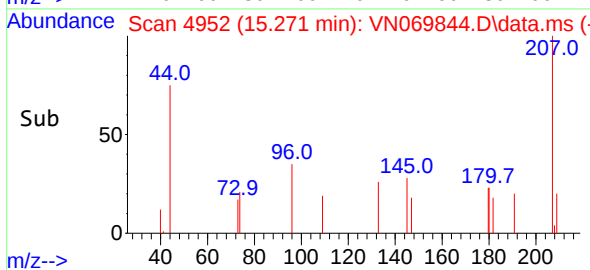
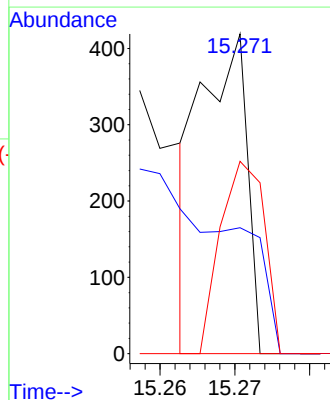
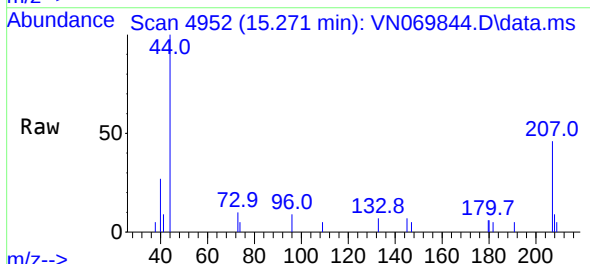
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204

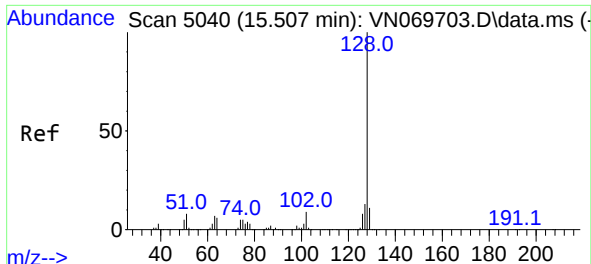
Tgt Ion: 75 Resp: 656209
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.89 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion:180 Resp: 178
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 57.9 14.5 43.5#

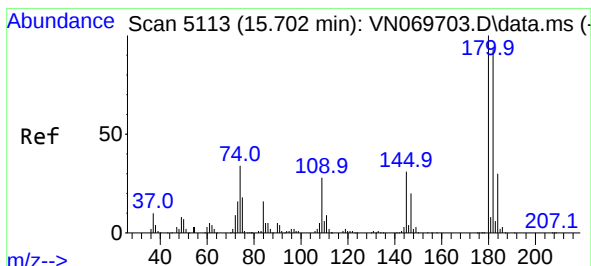
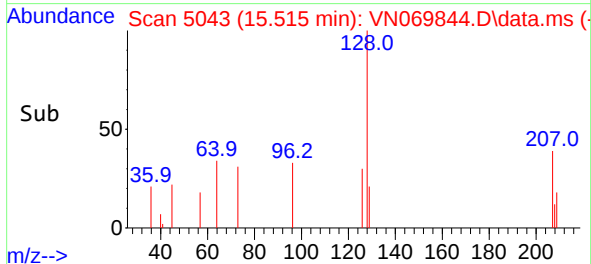
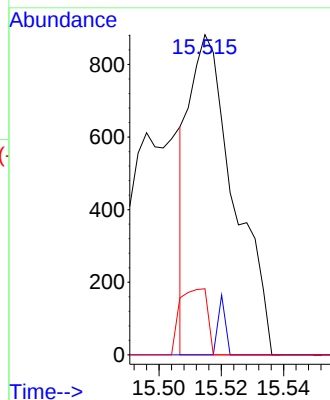
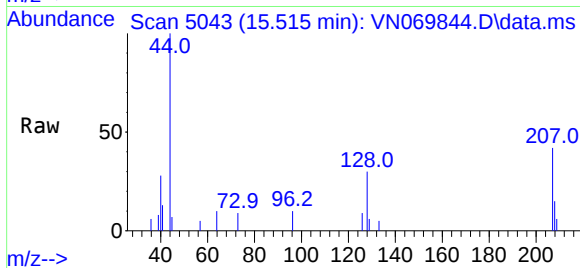




#95
Naphthalene
Concen: 4.00 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20211204

Tgt Ion:128 Resp: 886
Ion Ratio Lower Upper
128 100
127 3.0 10.5 15.7#
129 12.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.46 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069844.D
Acq: 8 Dec 2021 4:58

Tgt Ion:180 Resp: 373
Ion Ratio Lower Upper
180 100
182 101.9 47.4 142.2
145 0.0 15.0 45.1#

