

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069819.D
 Acq On : 7 Dec 2021 17:06
 Operator : JC/MD
 Sample : M4956-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20211205

Quant Time: Dec 08 04:37:22 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)

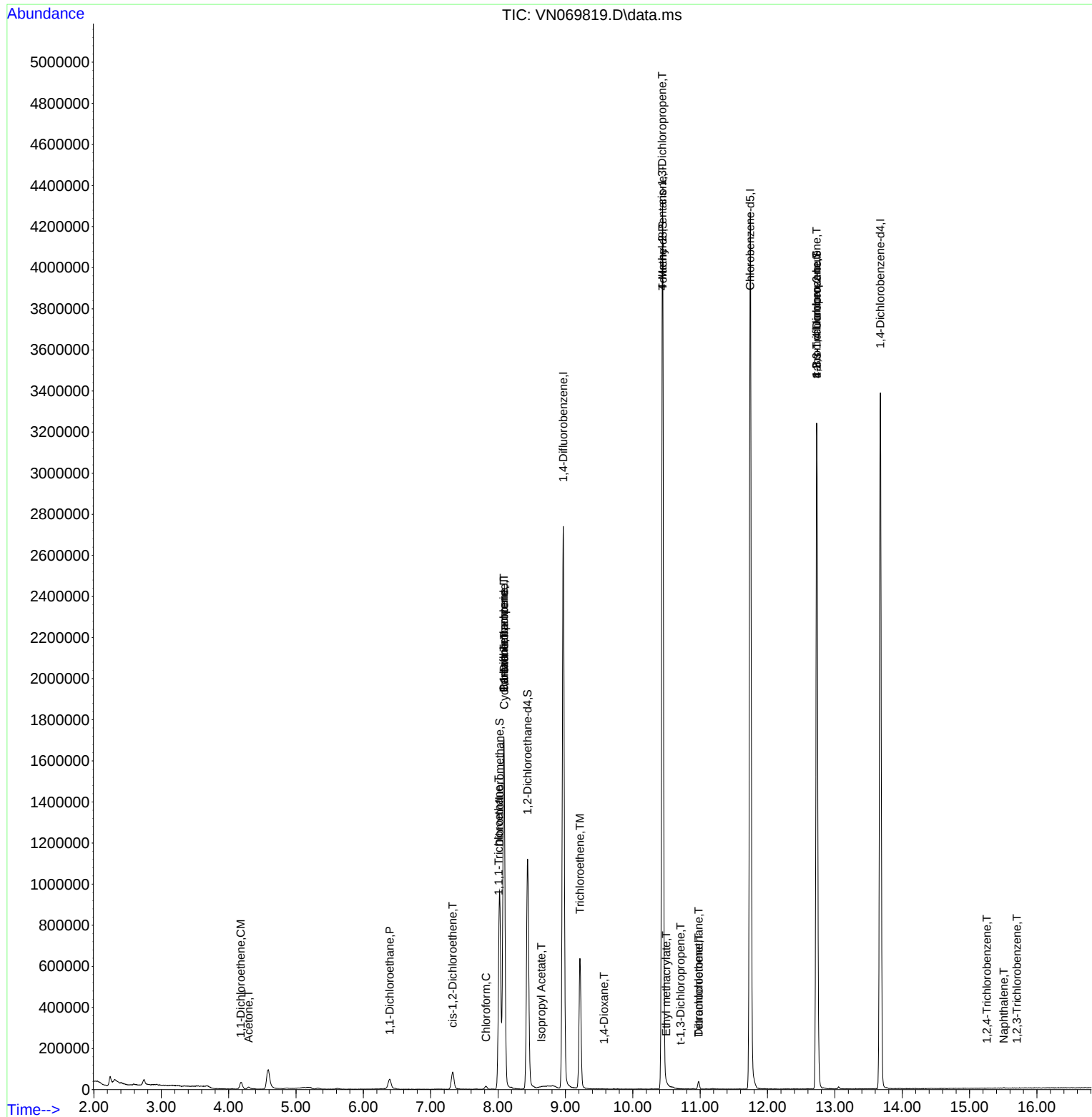
Internal Standards						
1) Pentafluorobenzene	8.086	168	1270400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2289899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2421932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	920602	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	975768	49.75	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.50%			
35) Dibromofluoromethane	8.021	113	686673	47.87	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.74%			
50) Toluene-d8	10.443	98	2942820	51.10	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.20%			
62) 4-Bromofluorobenzene	12.731	95	1141674	54.72	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.44%			
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	4.181	96	9101	0.75	ug/l	83
16) Acetone	4.296	43	14932	1.27	ug/l	93
24) 1,1-Dichloroethane	6.391	63	67575	2.45	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	38052	2.40	ug/l	95
30) Chloroform	7.820	83	14541	0.52	ug/l	96
31) Cyclohexane	8.091	56	32068	1.17	ug/l #	37
32) 1,1,1-Trichloroethane	8.011	97	18712	0.79	ug/l #	48
36) 1,1-Dichloropropene	8.086	75	108393	4.97	ug/l #	48
38) Carbon Tetrachloride	8.086	117	128170	6.00	ug/l #	16
43) Isopropyl Acetate	8.644	43	10609	0.22	ug/l #	55
44) Trichloroethene	9.215	130	219138	13.78	ug/l	92
49) 1,4-Dioxane	9.572	88	116	0.29	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	15981	0.51	ug/l #	1
53) t-1,3-Dichloropropene	10.709	75	25	2.80	ug/l #	30
54) cis-1,3-Dichloropropene	10.438	75	365	2.01	ug/l #	1
56) Ethyl methacrylate	10.497	69	97	2.28	ug/l #	1
60) Dibromochloromethane	10.977	129	7495	2.78	ug/l #	11
64) Tetrachloroethene	10.977	164	8052	0.49	ug/l	97
76) 1,2,3-Trichloropropane	12.731	75	638028	24.17	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	638028	76.73	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	95	2.88	ug/l #	58
95) Naphthalene	15.507	128	189	3.99	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.703	180	113	2.44	ug/l #	12

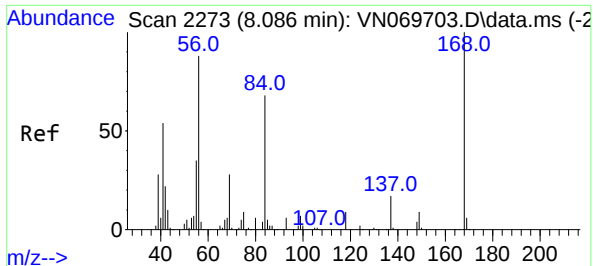
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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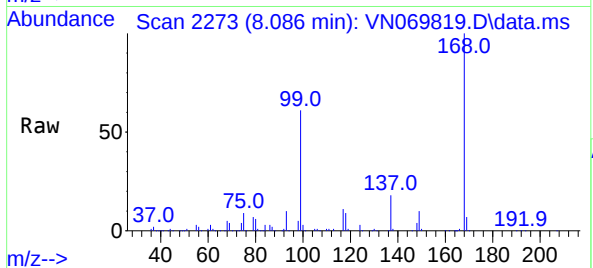
Quant Time: Dec 08 04:37:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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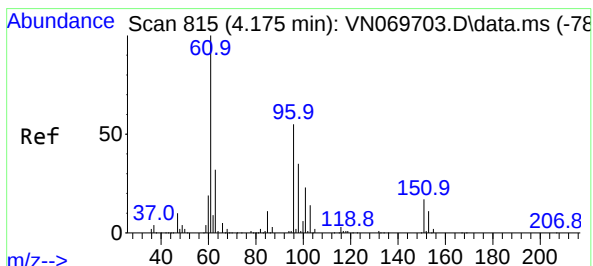
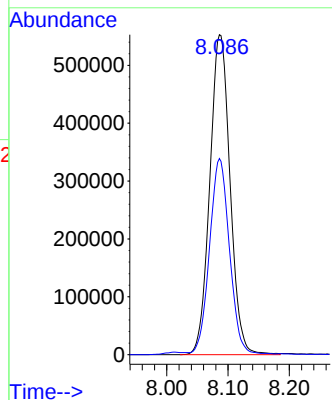
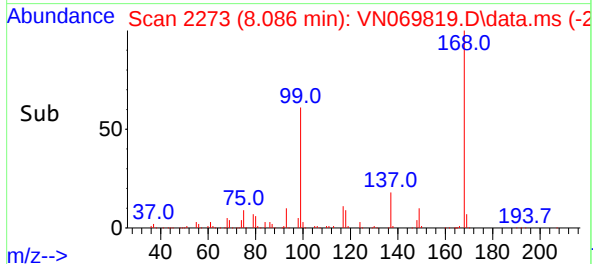


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

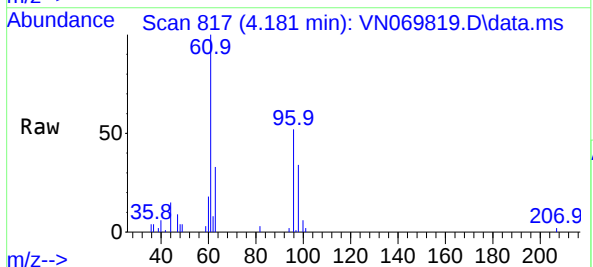
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20211205



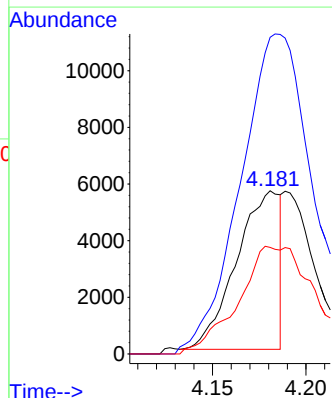
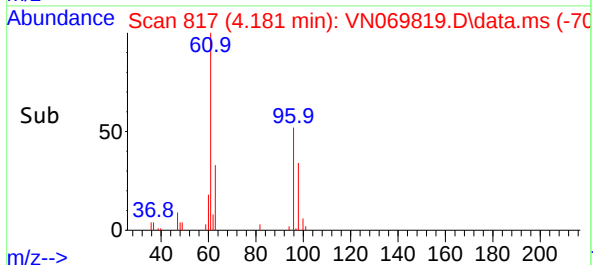
Tgt Ion:168 Resp: 1270400
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9

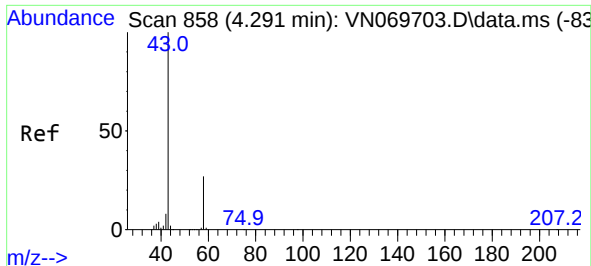


#12
1,1-Dichloroethene
Concen: 0.75 ug/l
RT: 4.181 min Scan# 817
Delta R.T. 0.006 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06



Tgt Ion: 96 Resp: 9101
Ion Ratio Lower Upper
96 100
61 195.3 131.0 196.6
98 67.3 52.4 78.6

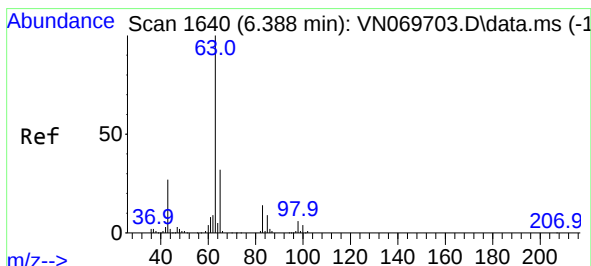
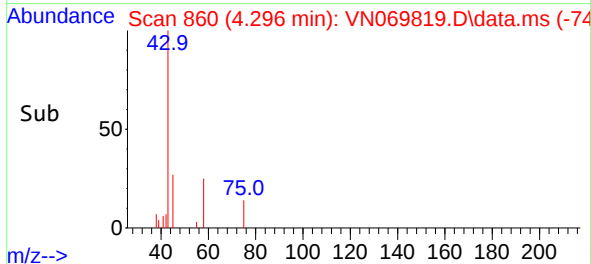
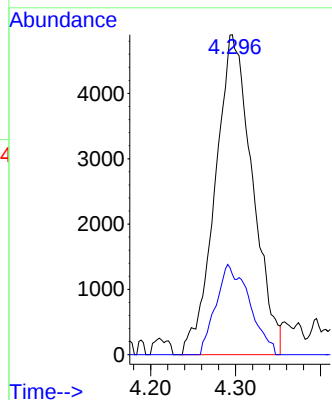
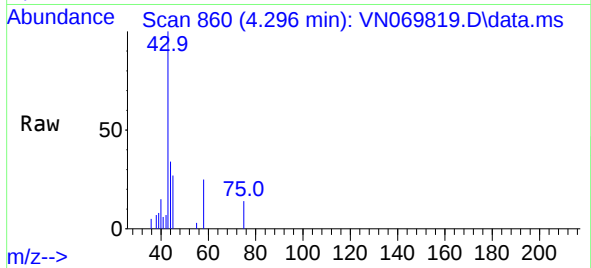




#16
Acetone
Concen: 1.27 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.006 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

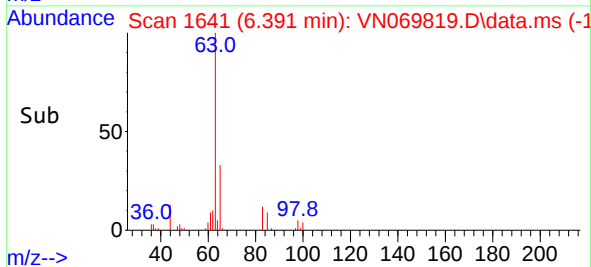
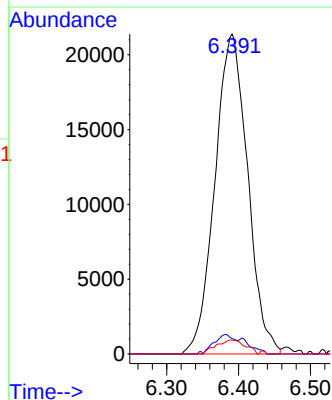
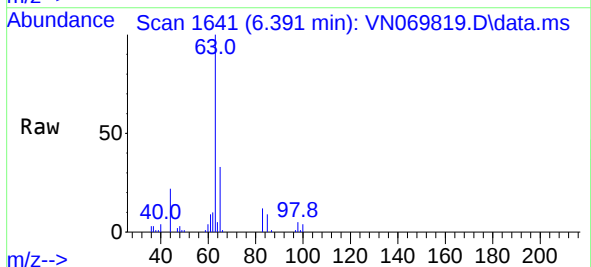
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20211205

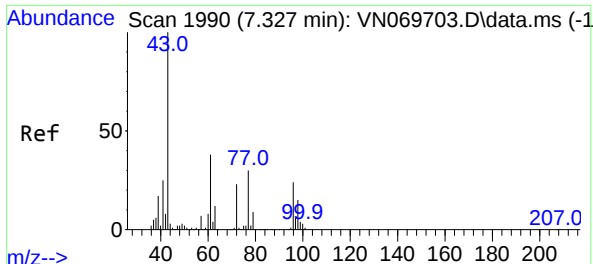
Tgt Ion: 43 Resp: 14932
Ion Ratio Lower Upper
43 100
58 25.1 23.1 34.7



#24
1,1-Dichloroethane
Concen: 2.45 ug/l
RT: 6.391 min Scan# 1641
Delta R.T. 0.003 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

Tgt Ion: 63 Resp: 67575
Ion Ratio Lower Upper
63 100
98 4.8 3.3 9.9
100 4.3 2.1 6.5

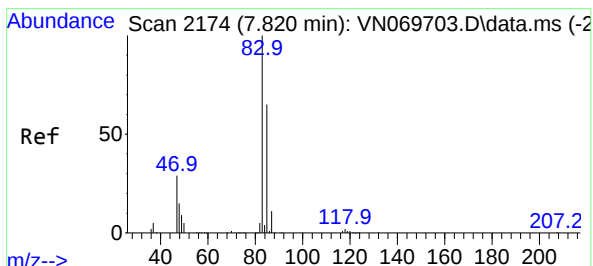
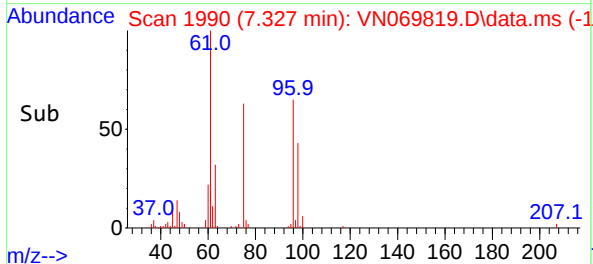
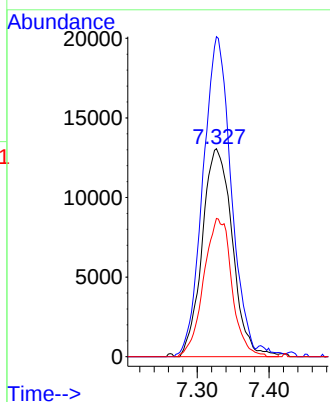
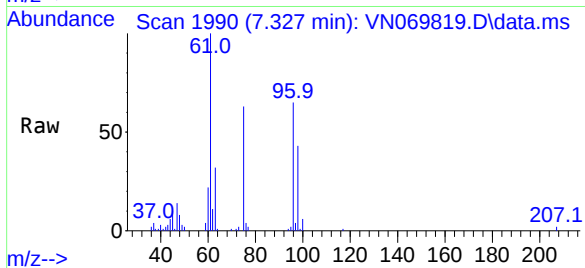




#27
 cis-1,2-Dichloroethene
 Concen: 2.40 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. 0.000 min
 Lab File: VN069819.D
 Acq: 7 Dec 2021 17:06

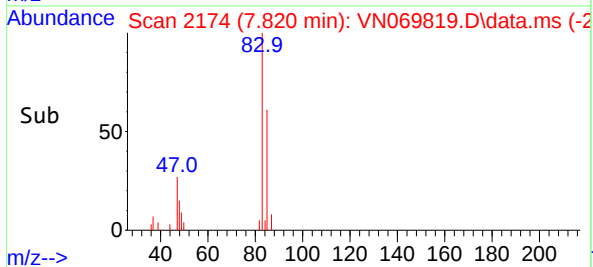
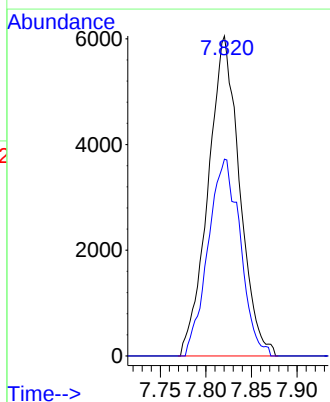
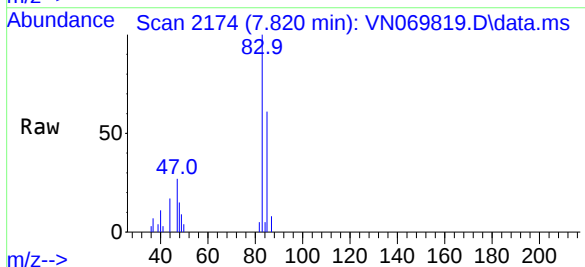
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20211205

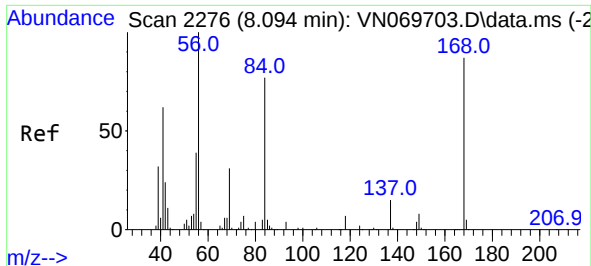
Tgt Ion:	96	Resp:	38052
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	275.0
98	62.0	0.0	129.6



#30
 Chloroform
 Concen: 0.52 ug/l
 RT: 7.820 min Scan# 2174
 Delta R.T. 0.000 min
 Lab File: VN069819.D
 Acq: 7 Dec 2021 17:06

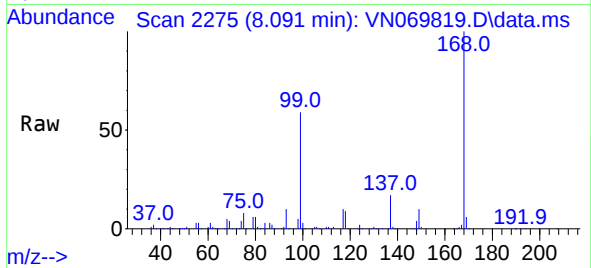
Tgt Ion:	83	Resp:	14541
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.9	77.9



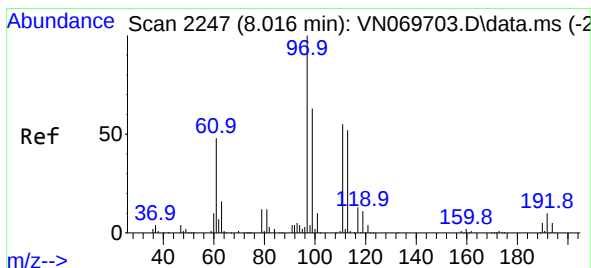
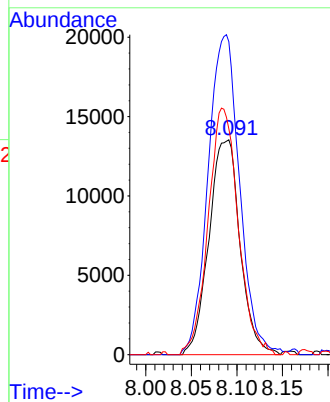
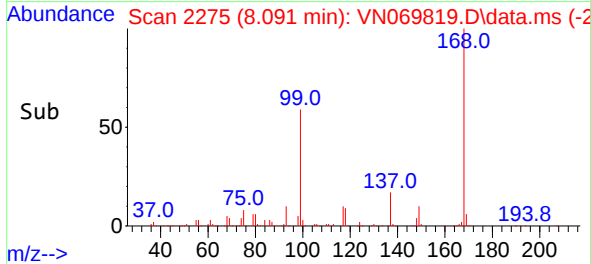


#31
Cyclohexane
Concen: 1.17 ug/l
RT: 8.091 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

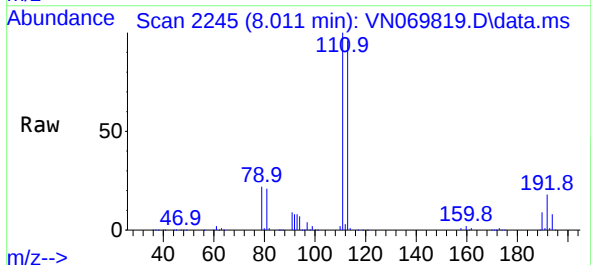
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20211205



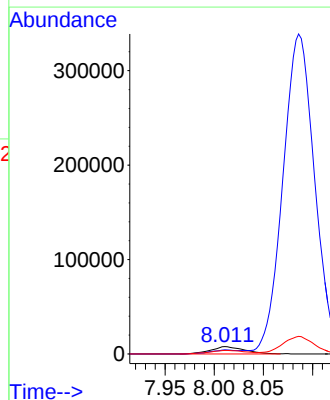
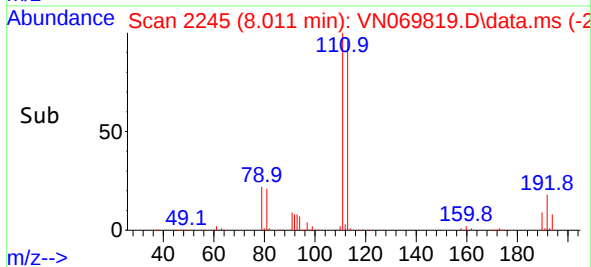
Tgt Ion: 56 Resp: 32068
Ion Ratio Lower Upper
56 100
69 145.6 27.1 40.7#
84 105.2 73.4 110.0

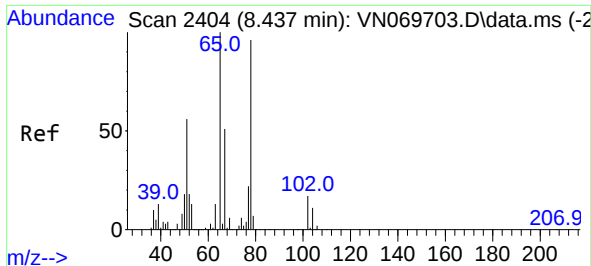


#32
1,1,1-Trichloroethane
Concen: 0.79 ug/l
RT: 8.011 min Scan# 2245
Delta R.T. -0.005 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06



Tgt Ion: 97 Resp: 18712
Ion Ratio Lower Upper
97 100
99 0.0 50.1 75.1#
61 50.4 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 49.75 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069819.D

Acq: 7 Dec 2021 17:06

Instrument :

MSVOA_N

ClientSampleId :

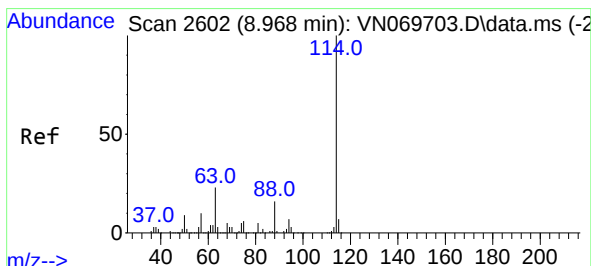
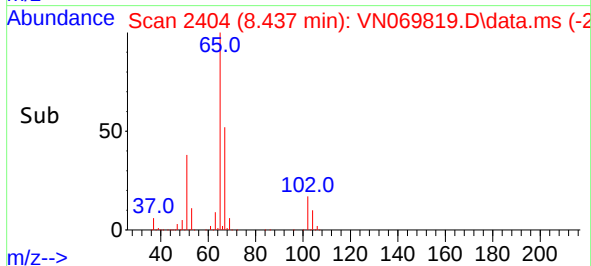
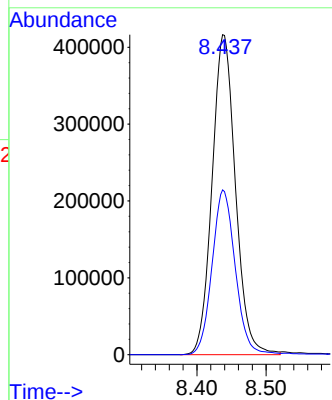
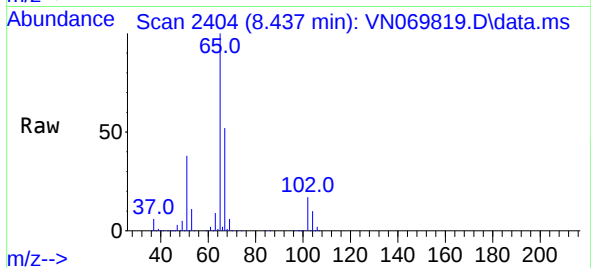
MW203D-20211205

Tgt Ion: 65 Resp: 975768

Ion Ratio Lower Upper

65 100

67 51.1 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: VN069819.D

Acq: 7 Dec 2021 17:06

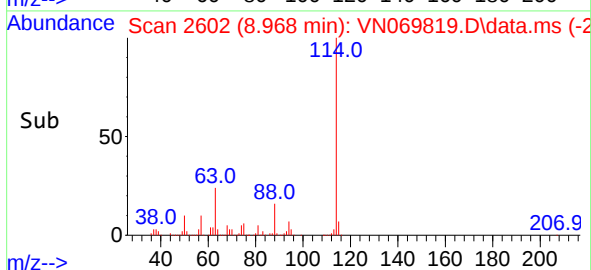
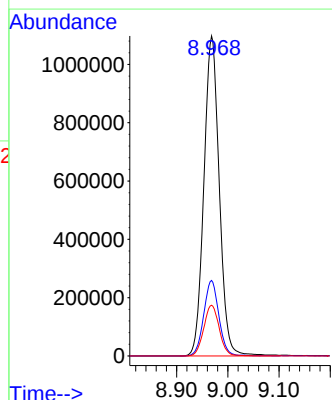
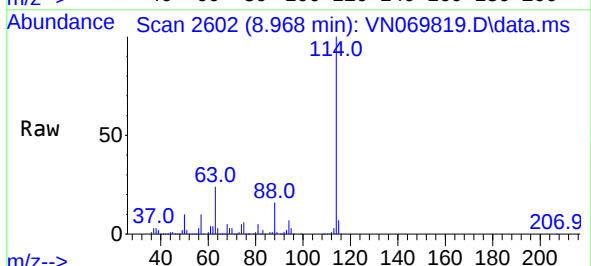
Tgt Ion: 114 Resp: 2289899

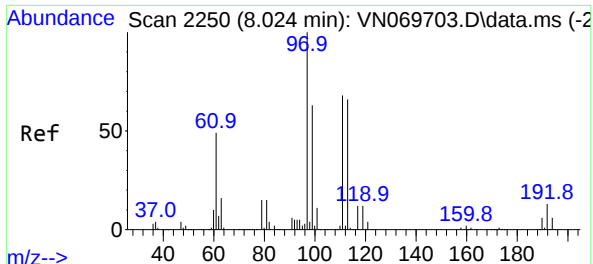
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 15.9 0.0 27.4

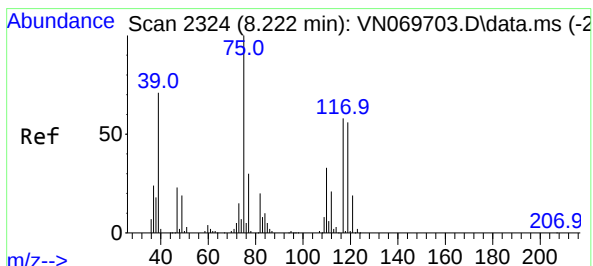
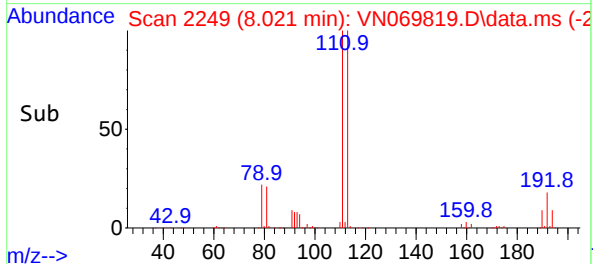
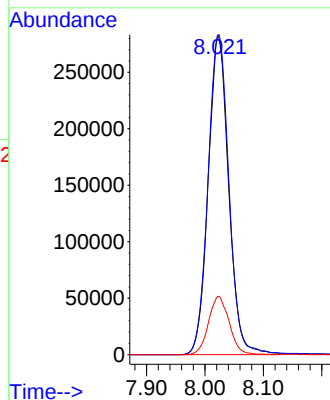
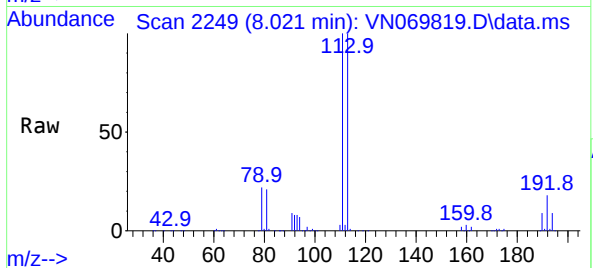




#35
Dibromofluoromethane
Concen: 47.87 ug/l
RT: 8.021 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

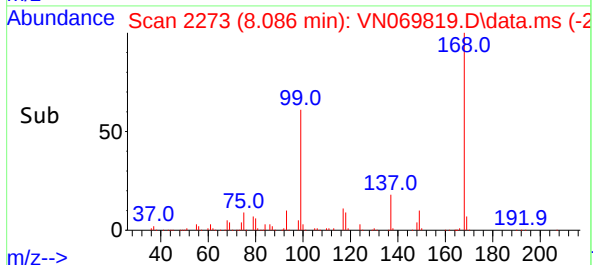
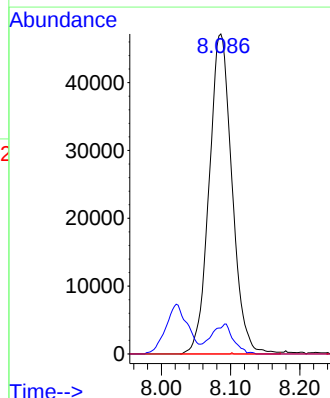
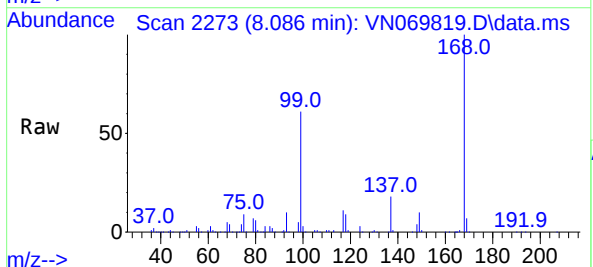
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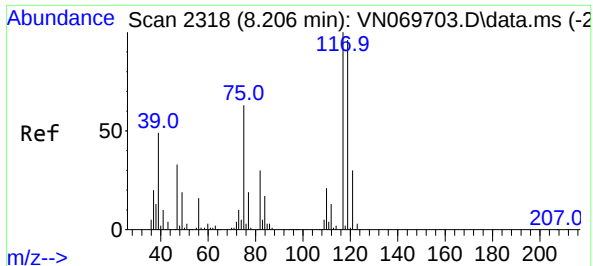
Tgt Ion:113 Resp: 686673
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

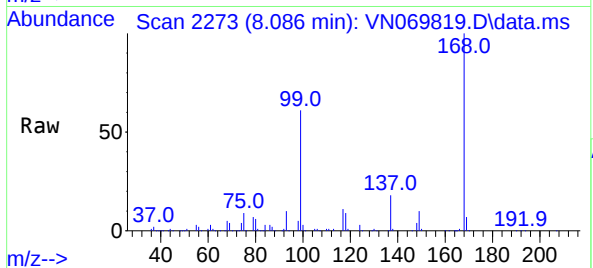
Tgt Ion: 75 Resp: 108393
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#



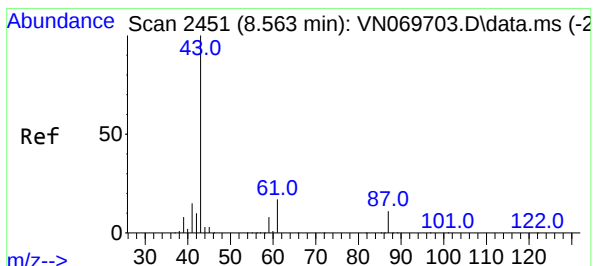
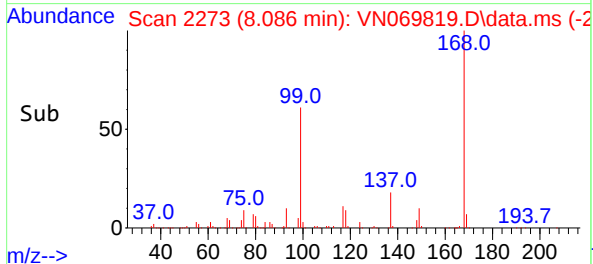
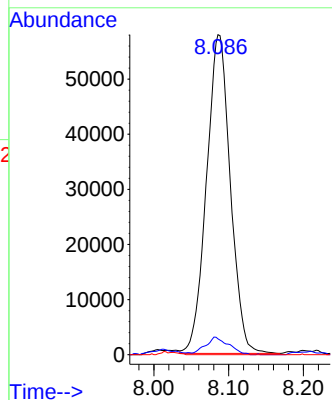


#38
Carbon Tetrachloride
Concen: 6.00 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

Instrument :
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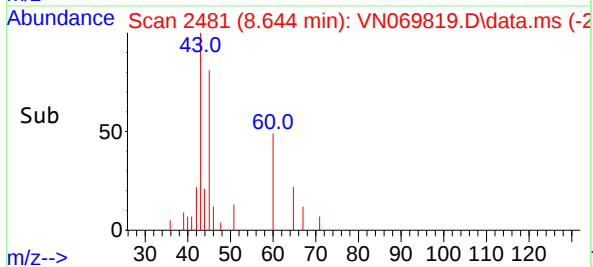
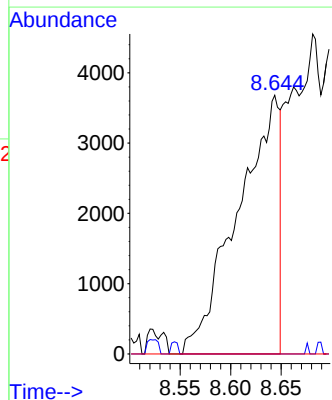
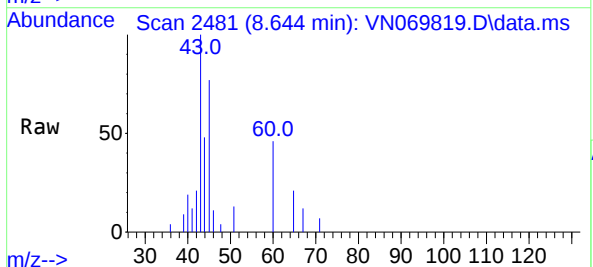


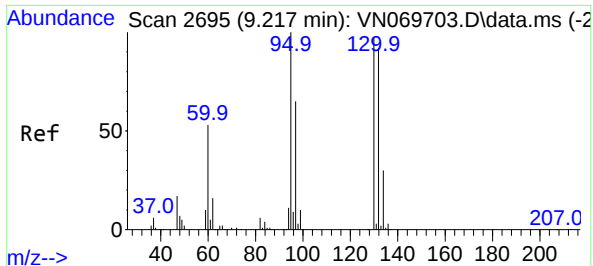
Tgt Ion:117 Resp: 128170
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.22 ug/l
RT: 8.644 min Scan# 2481
Delta R.T. 0.081 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

Tgt Ion: 43 Resp: 10609
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

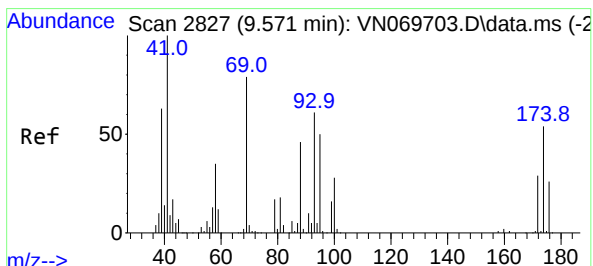
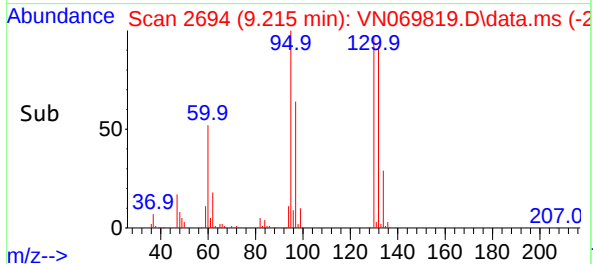
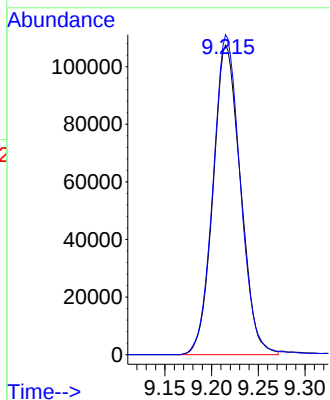
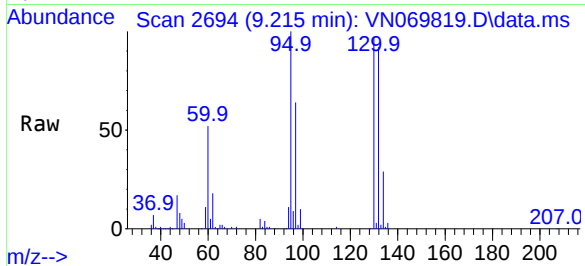




#44
 Trichloroethene
 Concen: 13.78 ug/l
 RT: 9.215 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: VN069819.D
 Acq: 7 Dec 2021 17:06

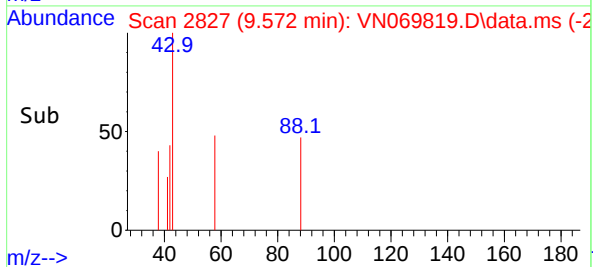
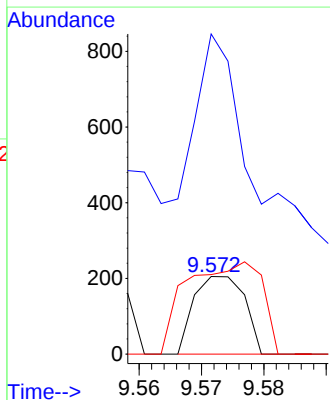
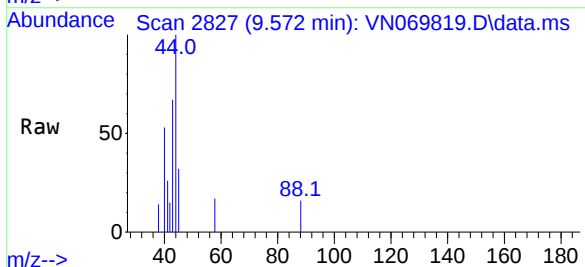
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20211205

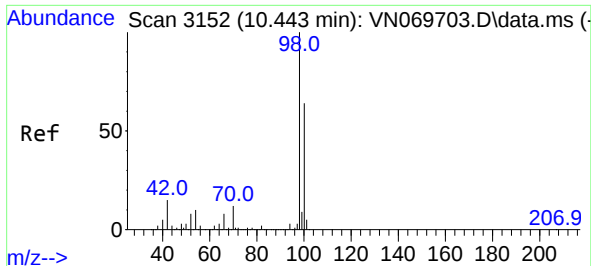
Tgt Ion:130 Resp: 219138
 Ion Ratio Lower Upper
 130 100
 95 103.3 0.0 191.2



#49
 1,4-Dioxane
 Concen: 0.29 ug/l
 RT: 9.572 min Scan# 2827
 Delta R.T. 0.000 min
 Lab File: VN069819.D
 Acq: 7 Dec 2021 17:06

Tgt Ion: 88 Resp: 116
 Ion Ratio Lower Upper
 88 100
 43 363.8 23.4 35.2#
 58 175.9 50.6 75.8#

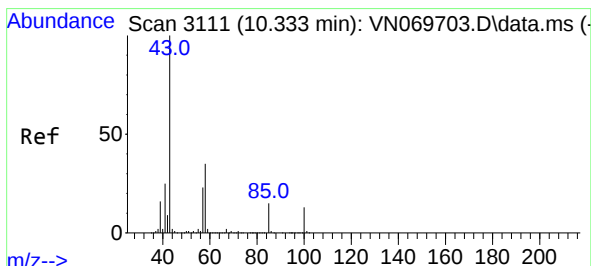
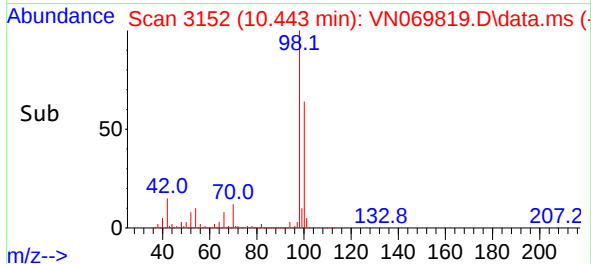
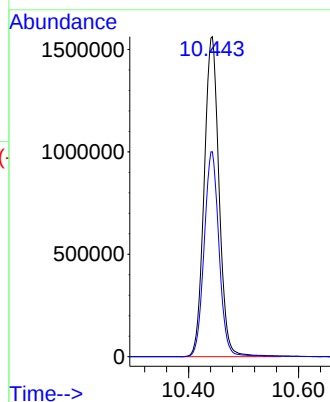
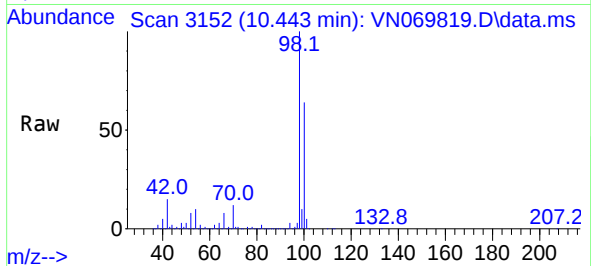




#50
Toluene-d8
Concen: 51.10 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

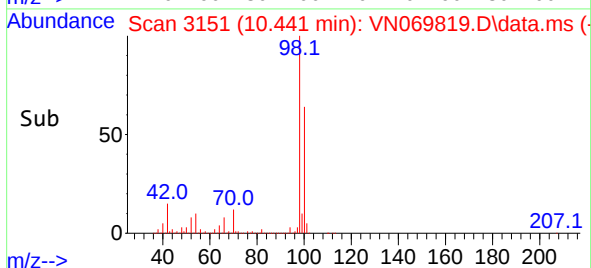
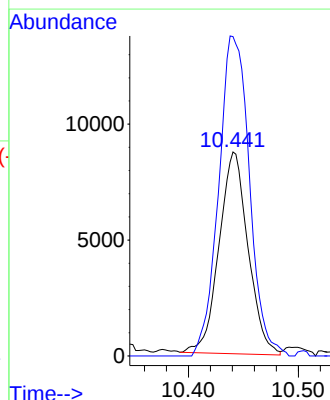
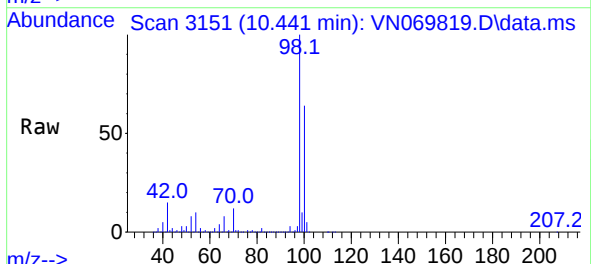
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20211205

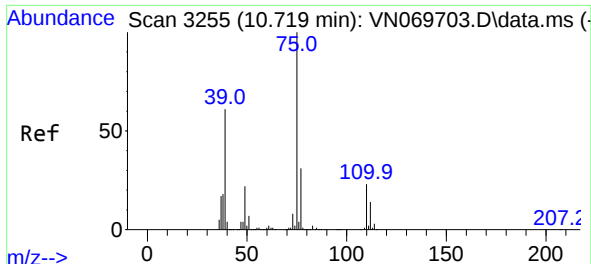
Tgt Ion: 98 Resp: 2942820
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.108 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

Tgt Ion: 43 Resp: 15981
Ion Ratio Lower Upper
43 100
58 168.2 30.4 45.6#

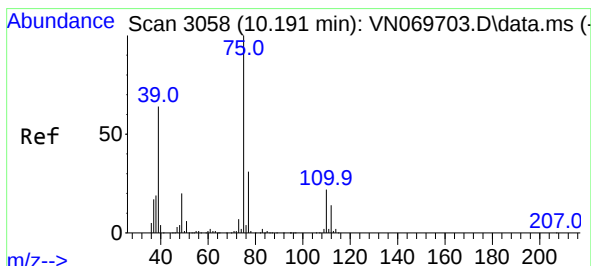
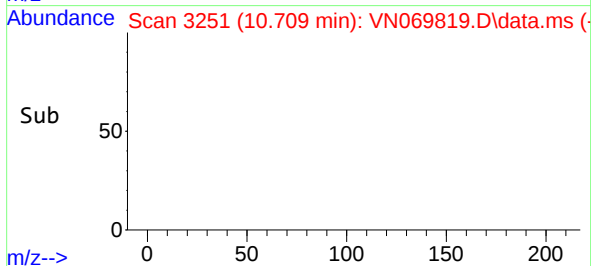
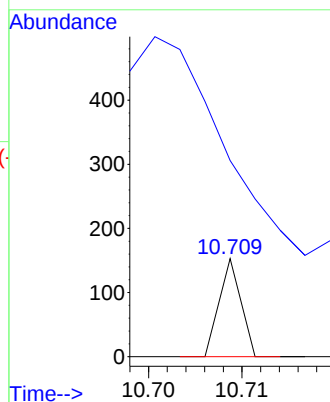
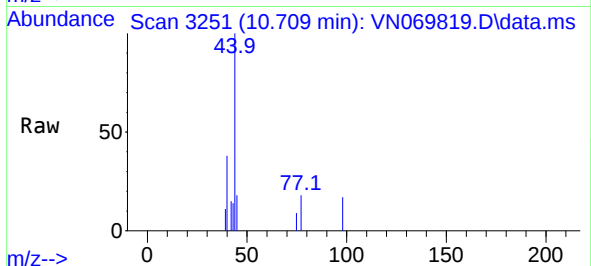




#53
 t-1,3-Dichloropropene
 Concen: 2.80 ug/l
 RT: 10.709 min Scan# 3150
 Delta R.T. -0.010 min
 Lab File: VN069819.D
 Acq: 7 Dec 2021 17:06

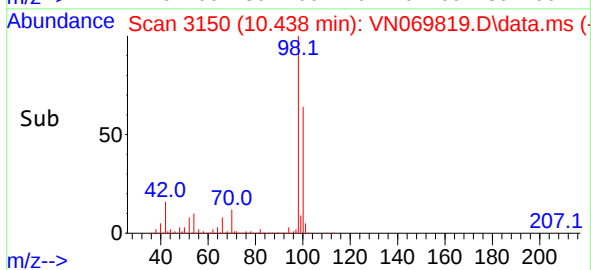
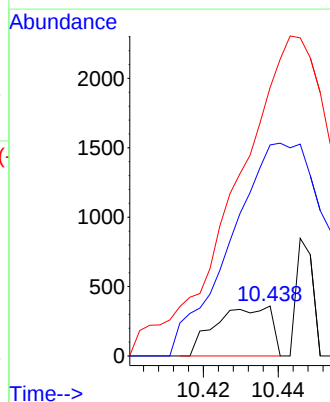
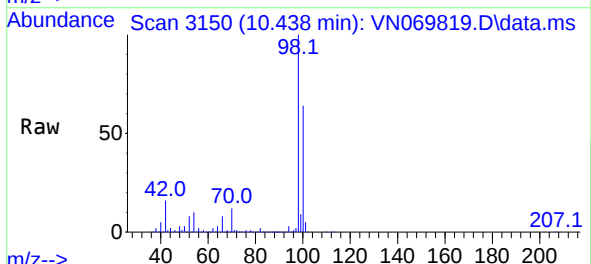
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20211205

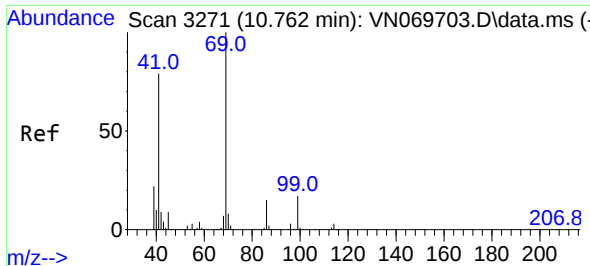
Tgt Ion: 75 Resp: 25
 Ion Ratio Lower Upper
 75 100
 77 71.2 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.01 ug/l
 RT: 10.438 min Scan# 3150
 Delta R.T. 0.247 min
 Lab File: VN069819.D
 Acq: 7 Dec 2021 17:06

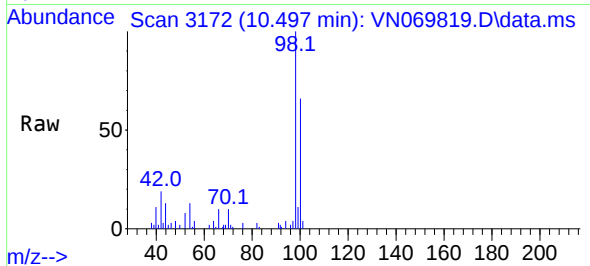
Tgt Ion: 75 Resp: 365
 Ion Ratio Lower Upper
 75 100
 77 356.4 26.4 39.6#
 39 438.6 42.5 63.7#



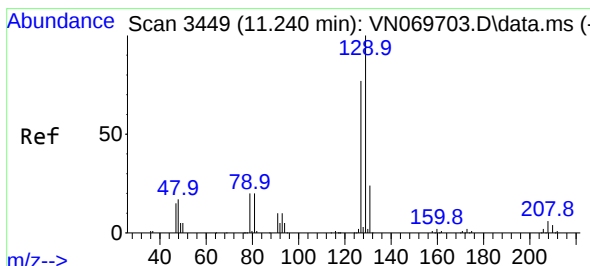
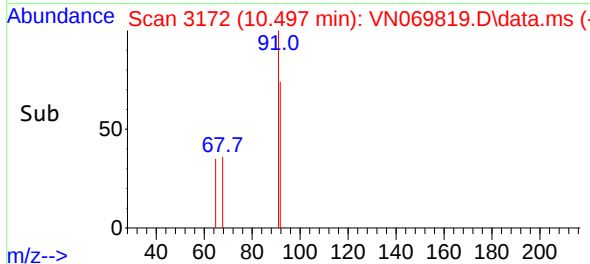
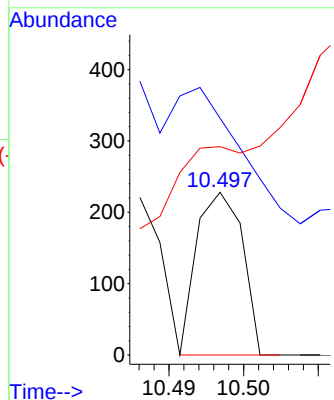


#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.497 min Scan# 3172
Delta R.T. -0.265 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20211205

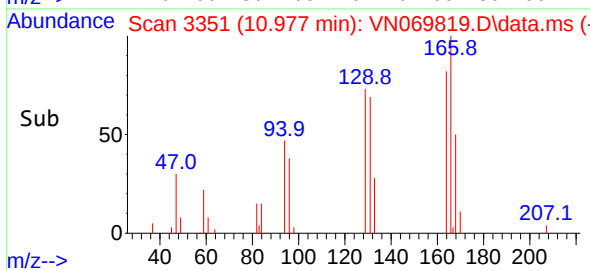
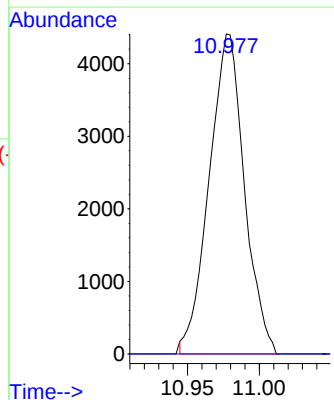
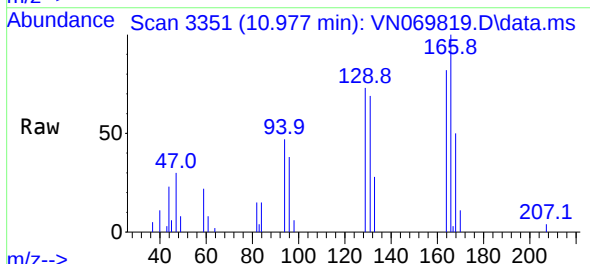


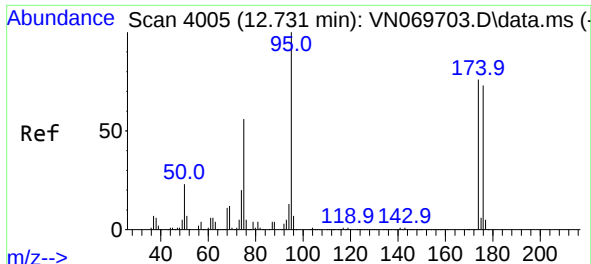
Tgt Ion: 69 Resp: 97
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 472.2 34.6 52.0#



#60
Dibromochloromethane
Concen: 2.78 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

Tgt Ion:129 Resp: 7495
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

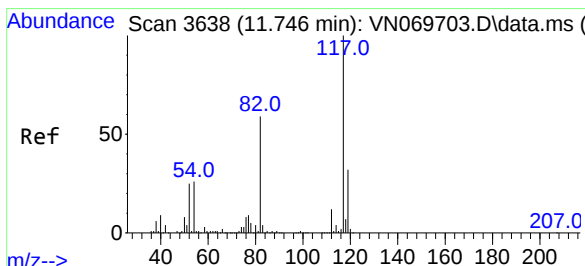
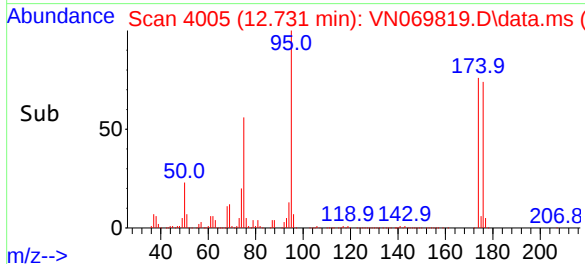
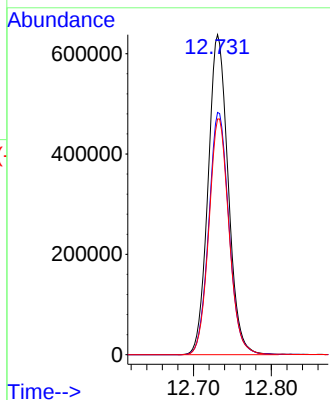
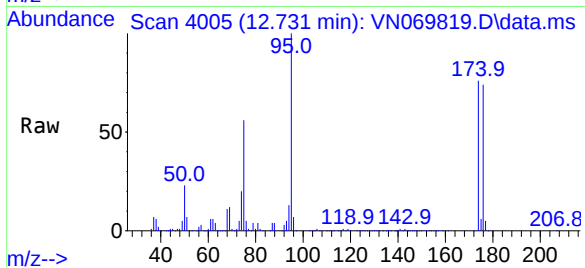




#62
4-Bromofluorobenzene
Concen: 54.72 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

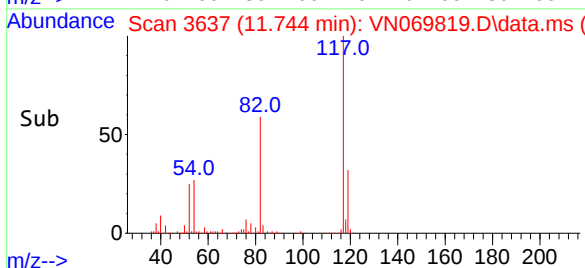
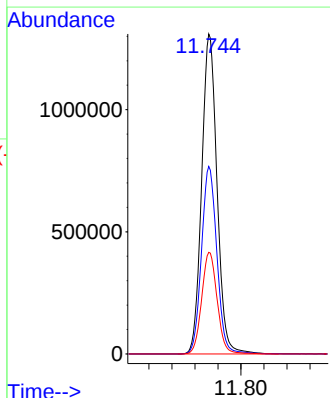
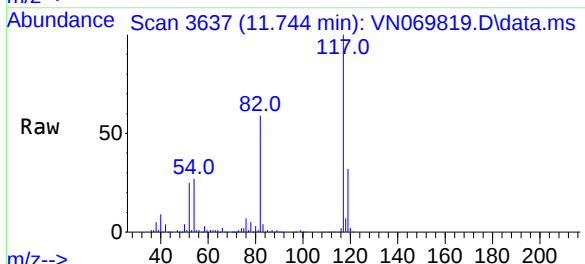
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20211205

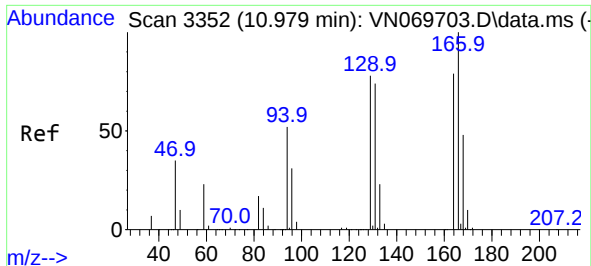
Tgt Ion: 95 Resp: 1141674
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

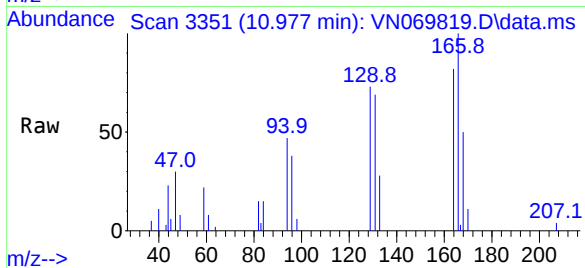
Tgt Ion: 117 Resp: 2421932
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 31.7 25.4 38.2





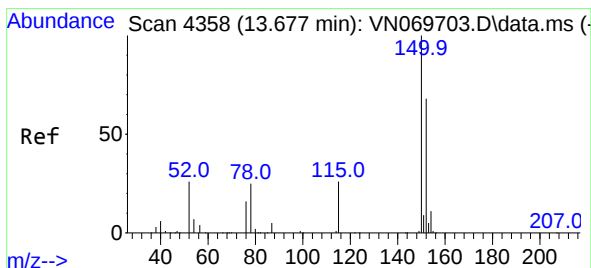
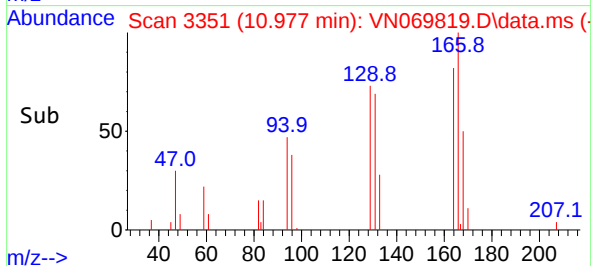
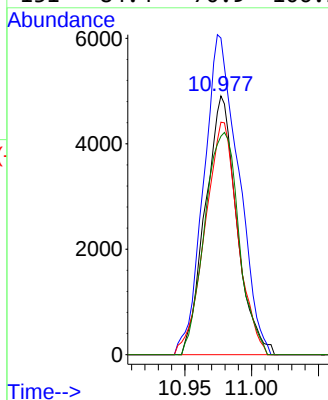
#64
Tetrachloroethene
Concen: 0.49 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20211205



Tgt Ion:164 Resp: 8052

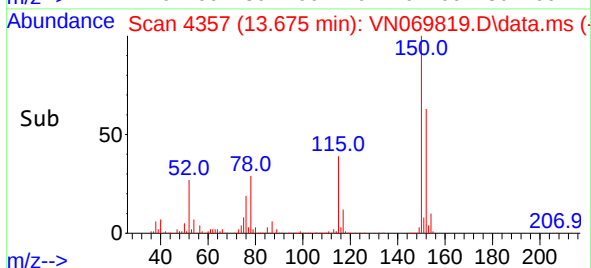
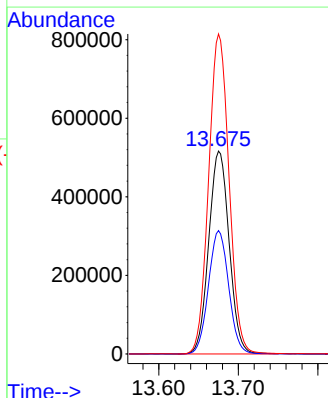
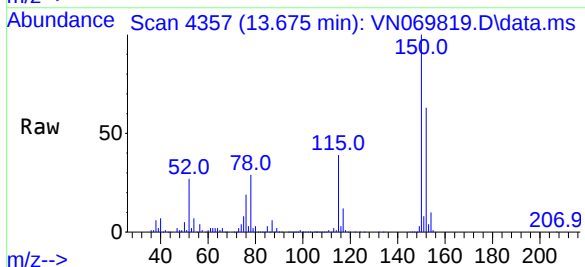
Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.9	152.9
129	89.9	72.0	108.0
131	84.4	70.9	106.3

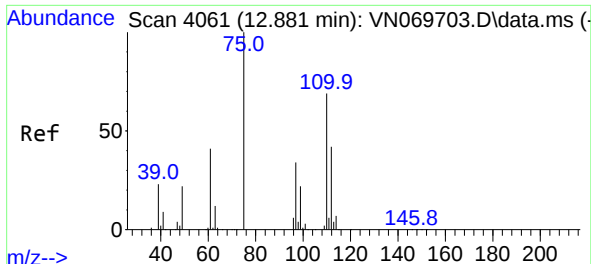


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

Tgt Ion:152 Resp: 920602

Ion	Ratio	Lower	Upper
152	100		
115	60.2	27.5	82.5
150	157.4	0.0	344.4

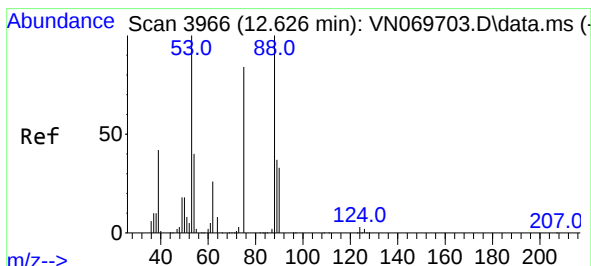
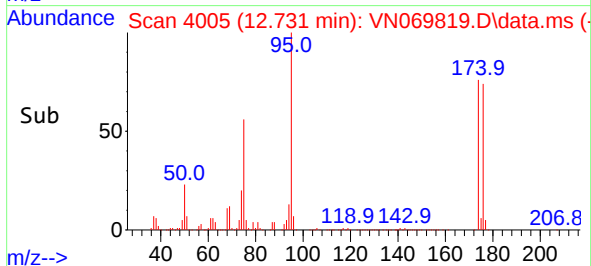
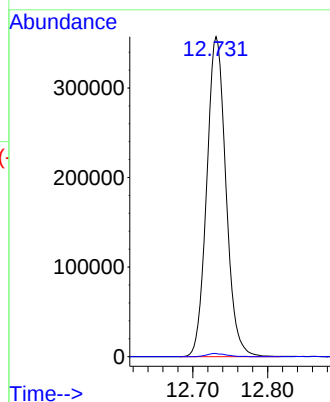
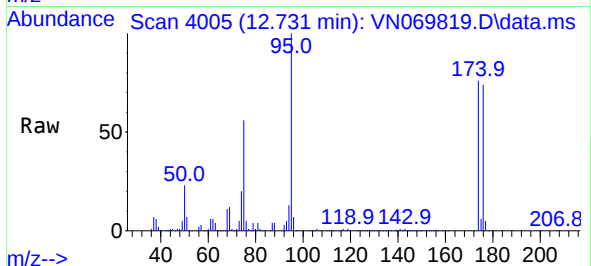




#76
1,2,3-Trichloropropane
Concen: 24.17 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

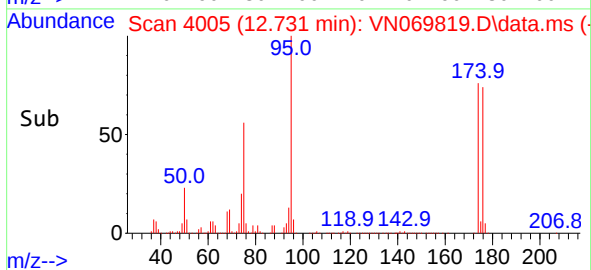
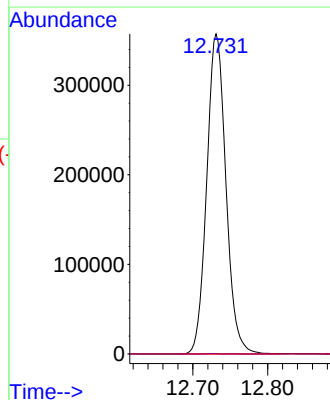
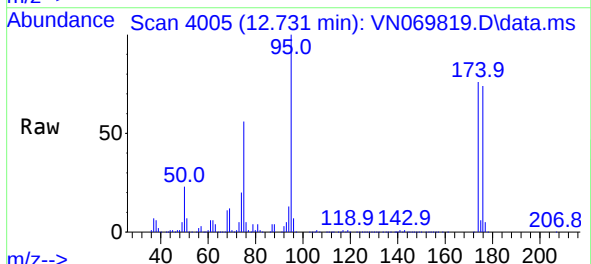
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20211205

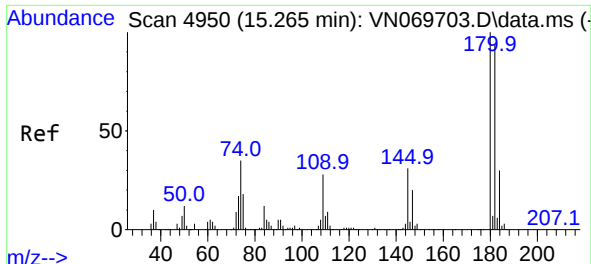
Tgt Ion: 75 Resp: 638028
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.73 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069819.D
Acq: 7 Dec 2021 17:06

Tgt Ion: 75 Resp: 638028
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: 2.88 ug/l

RT: 15.257 min Scan# 4947

Delta R.T. -0.008 min

Lab File: VN069819.D

Acq: 7 Dec 2021 17:06

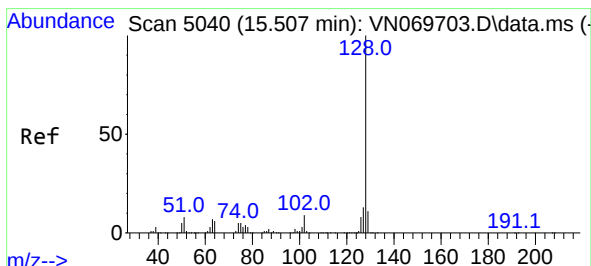
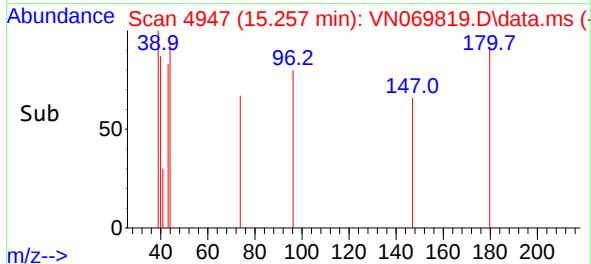
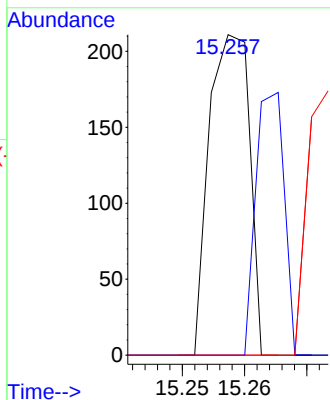
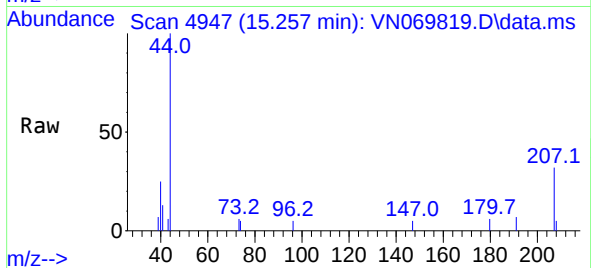
Instrument :

MSVOA_N

ClientSampleId :

MW203D-20211205

Tgt Ion:180	Resp:	95
Ion	Ratio	Lower Upper
180	100	
182	57.9	48.3 144.9
145	55.8	14.5 43.5#



#95

Naphthalene

Concen: 3.99 ug/l

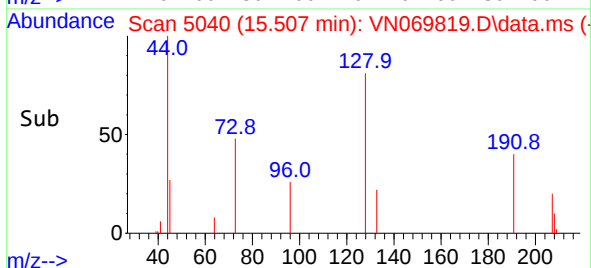
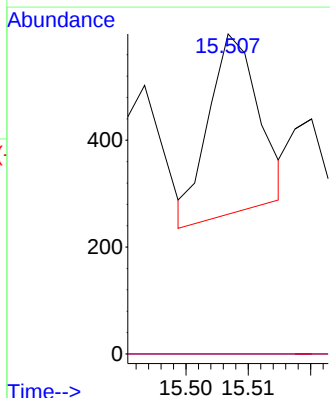
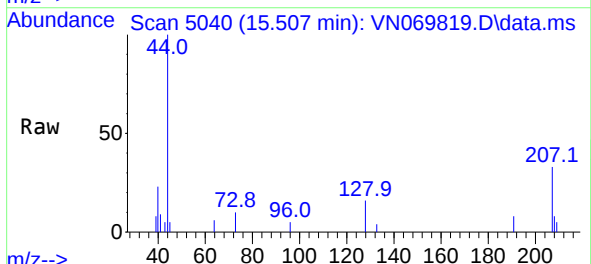
RT: 15.507 min Scan# 5040

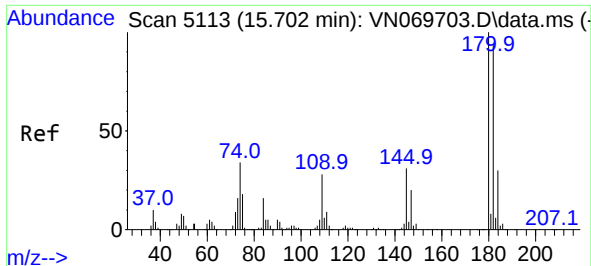
Delta R.T. -0.000 min

Lab File: VN069819.D

Acq: 7 Dec 2021 17:06

Tgt Ion:128	Resp:	189
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.5 15.7#
129	0.0	8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.44 ug/l

RT: 15.703 min Scan# 51

Delta R.T. 0.001 min

Lab File: VN069819.D

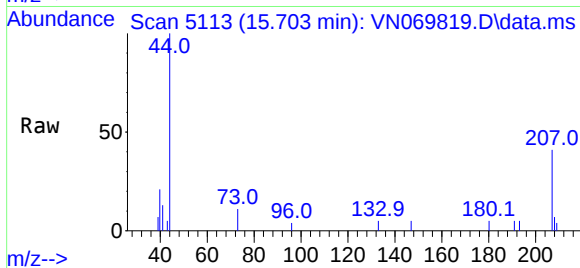
Acq: 7 Dec 2021 17:06

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20211205



Tgt Ion:180 Resp: 113

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 0.0 15.0 45.1#

