

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069869.D
 Acq On : 8 Dec 2021 18:36
 Operator : JC/MD
 Sample : M4957-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D-20211206

Quant Time: Dec 09 11:44:35 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)

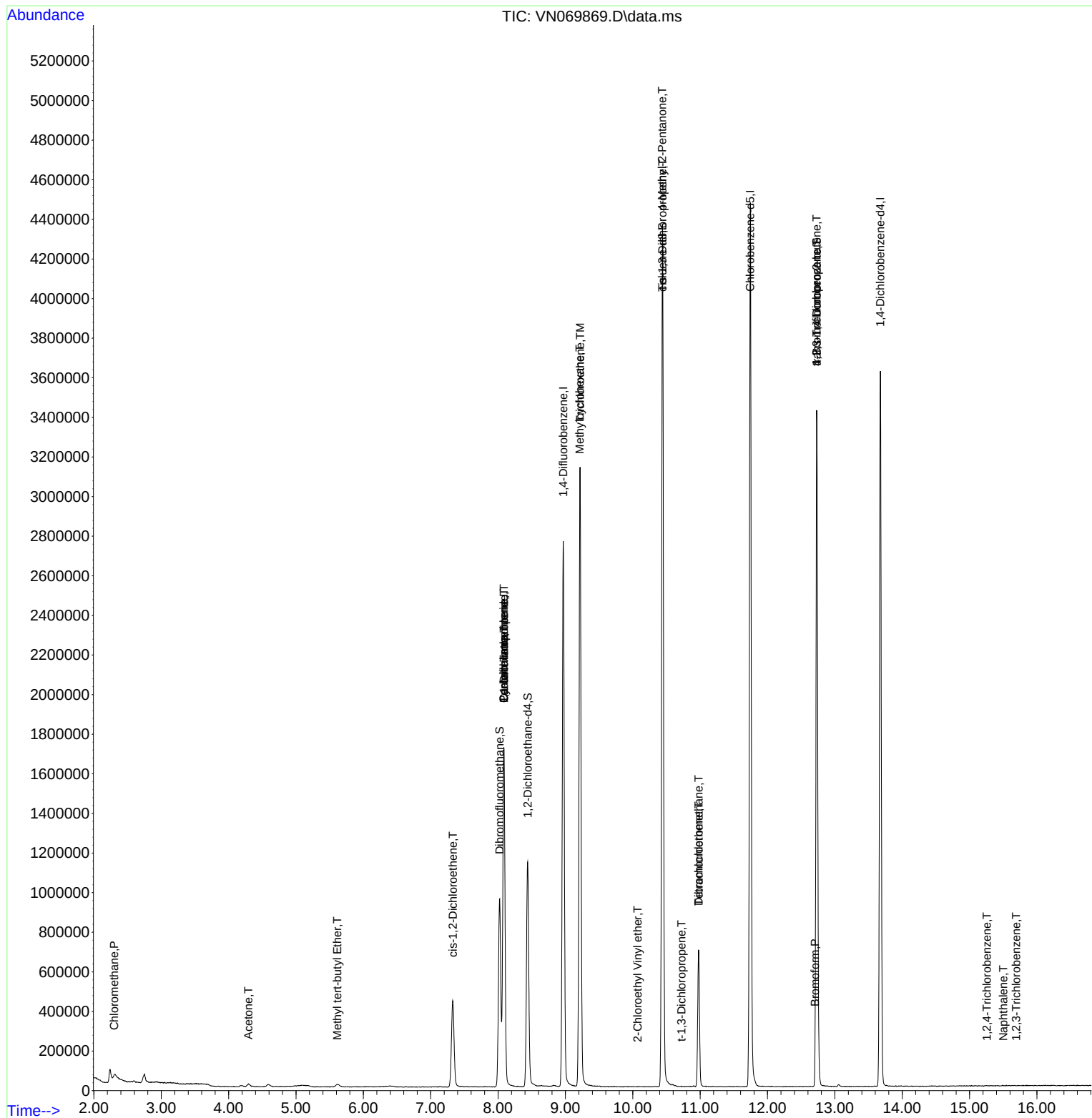
Internal Standards						
1) Pentafluorobenzene	8.086	168	1282247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2306245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2501139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	969198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1000017	50.511	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.020%	
35) Dibromofluoromethane	8.024	113	691324	47.856	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.720%	
50) Toluene-d8	10.440	98	3007055	51.842	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.680%	
62) 4-Bromofluorobenzene	12.731	95	1191466	56.699	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 113.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	4408	0.235	ug/l	92
16) Acetone	4.293	43	22101	1.856	ug/l	91
19) Methyl tert-butyl Ether	5.613	73	18881	0.398	ug/l	96
27) cis-1,2-Dichloroethene	7.329	96	254706	15.891	ug/l	96
31) Cyclohexane	8.086	56	33460	1.214	ug/l #	30
36) 1,1-Dichloropropene	8.086	75	110347	5.026	ug/l #	49
38) Carbon Tetrachloride	8.086	117	132706	6.164	ug/l #	16
39) Methylcyclohexane	9.212	83	15159	0.580	ug/l #	1
44) Trichloroethene	9.217	130	1092279	68.195	ug/l	92
51) 4-Methyl-2-Pentanone	10.438	43	16349	0.521	ug/l #	1
53) t-1,3-Dichloropropene	10.725	75	111	2.798	ug/l	89
54) cis-1,3-Dichloropropene	10.440	75	547	2.017	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.070	63	55	18.395	ug/l #	45
60) Dibromochloromethane	10.977	129	147482	10.307	ug/l #	11
64) Tetrachloroethene	10.977	164	152140	8.971	ug/l	96
71) Bromoform	12.704	173	78	2.736	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	671353	24.154	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	671353	76.694	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.255	180	93	2.883	ug/l #	83
95) Naphthalene	15.501	128	614	3.997	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	130	2.444	ug/l #	12

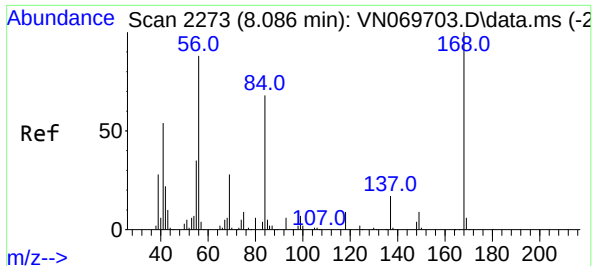
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

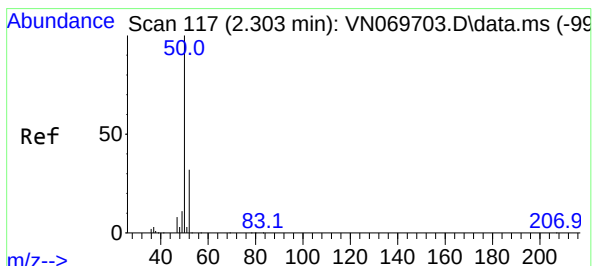
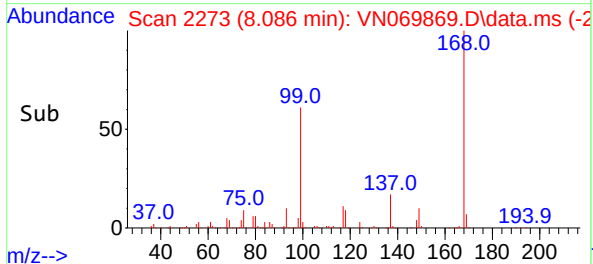
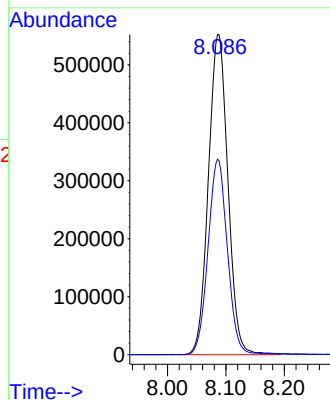
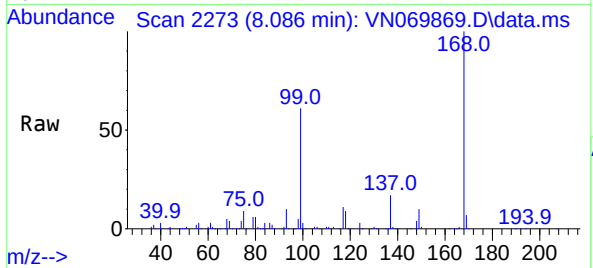




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

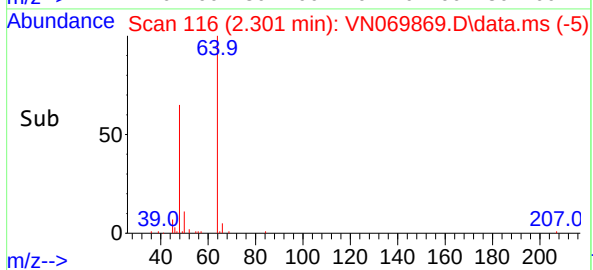
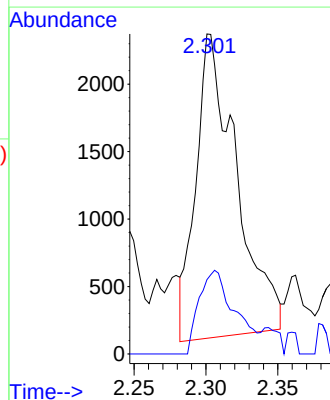
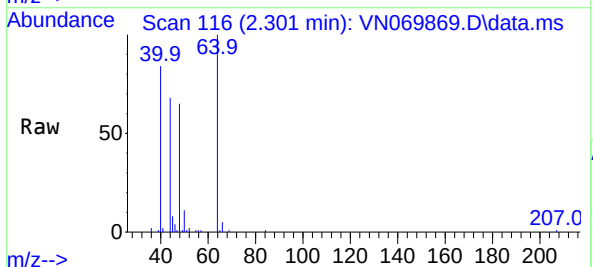
Instrument :
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MW179D-20211206

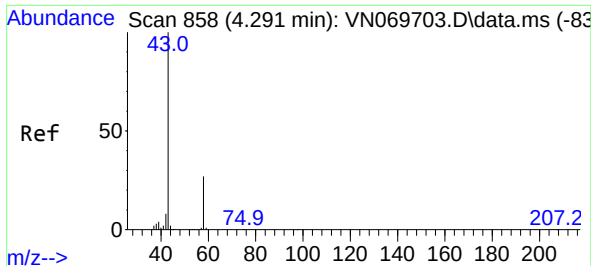
Tgt Ion:168 Resp: 1282247
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9



#3
Chloromethane
Concen: 0.235 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Tgt Ion: 50 Resp: 4408
Ion Ratio Lower Upper
50 100
52 27.5 25.4 38.0

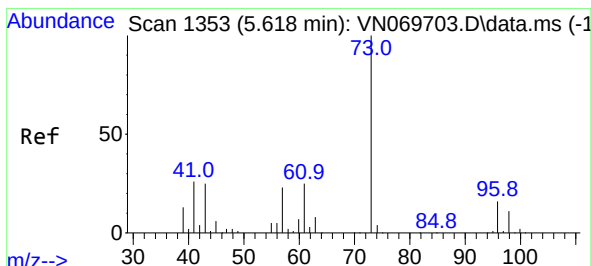
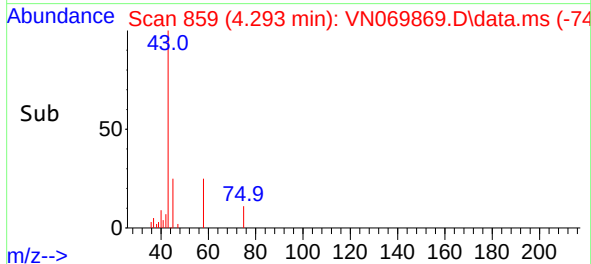
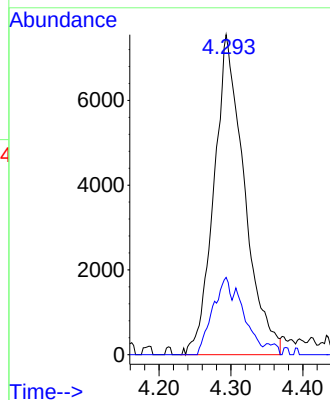
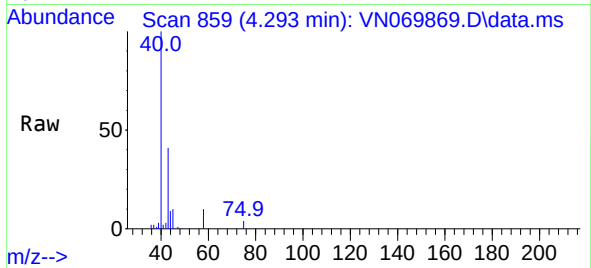




#16
Acetone
Concen: 1.856 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

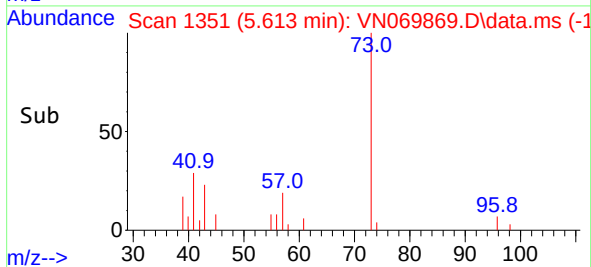
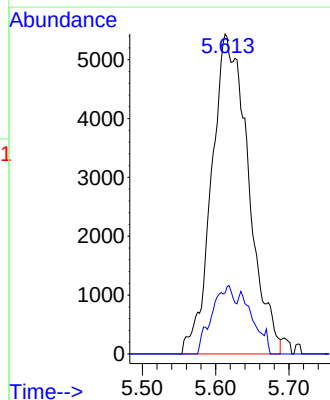
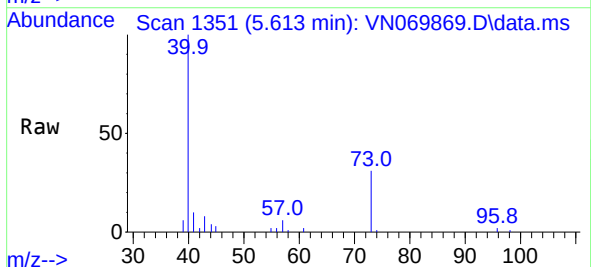
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

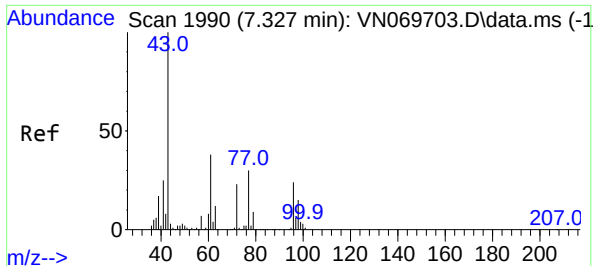
Tgt Ion: 43 Resp: 22101
Ion Ratio Lower Upper
43 100
58 24.2 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 0.398 ug/l
RT: 5.613 min Scan# 1351
Delta R.T. -0.005 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Tgt Ion: 73 Resp: 18881
Ion Ratio Lower Upper
73 100
57 19.1 16.8 25.2





#27

cis-1,2-Dichloroethene

Concen: 15.891 ug/l

RT: 7.329 min Scan# 1991

Delta R.T. 0.003 min

Lab File: VN069869.D

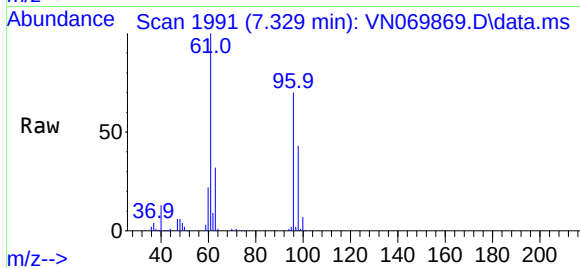
Acq: 8 Dec 2021 18:36

Instrument :

MSVOA_N

ClientSampleId :

MW179D-20211206



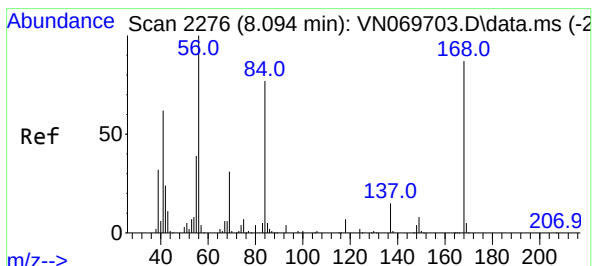
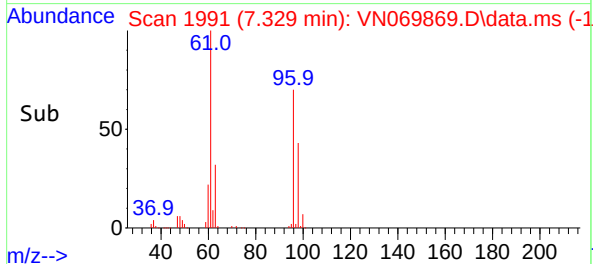
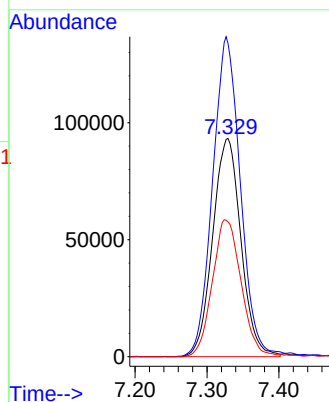
Tgt Ion: 96 Resp: 254706

Ion Ratio Lower Upper

96 100

61 143.7 0.0 275.0

98 63.7 0.0 129.6



#31

Cyclohexane

Concen: 1.214 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN069869.D

Acq: 8 Dec 2021 18:36

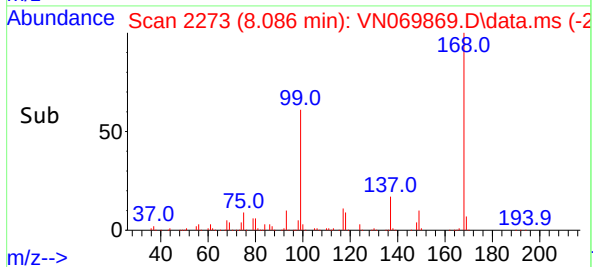
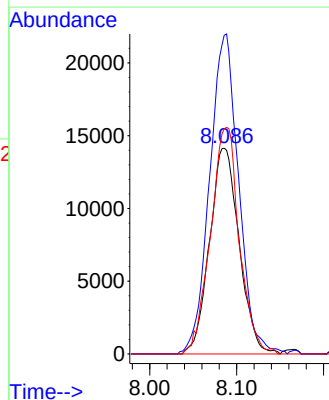
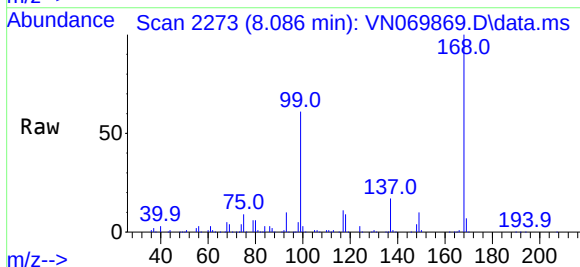
Tgt Ion: 56 Resp: 33460

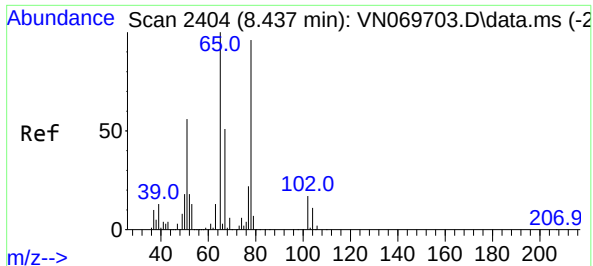
Ion Ratio Lower Upper

56 100

69 153.7 27.1 40.7#

84 109.4 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 50.511 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN069869.D

Acq: 8 Dec 2021 18:36

Instrument :

MSVOA_N

ClientSampleId :

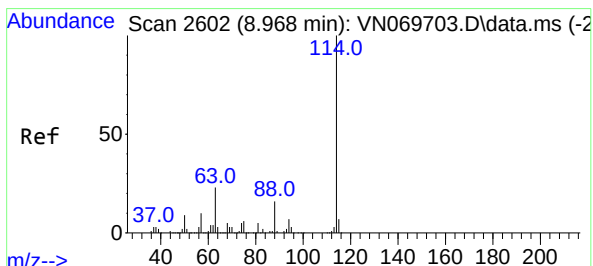
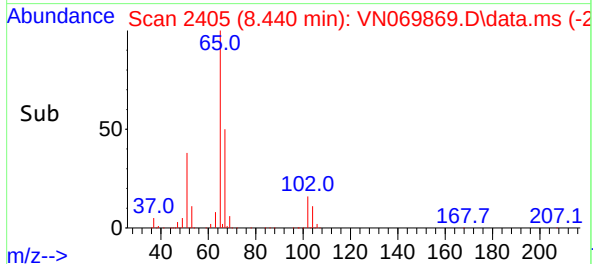
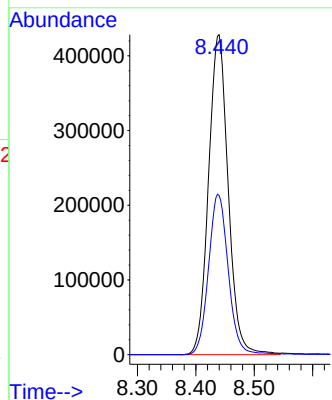
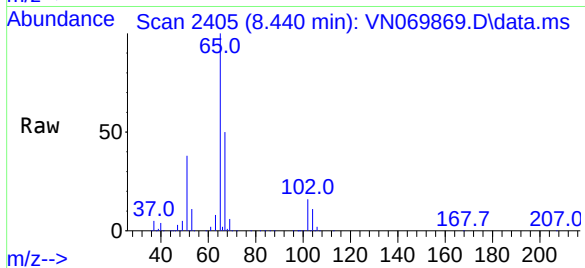
MW179D-20211206

Tgt Ion: 65 Resp: 1000017

Ion Ratio Lower Upper

65 100

67 50.3 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: VN069869.D

Acq: 8 Dec 2021 18:36

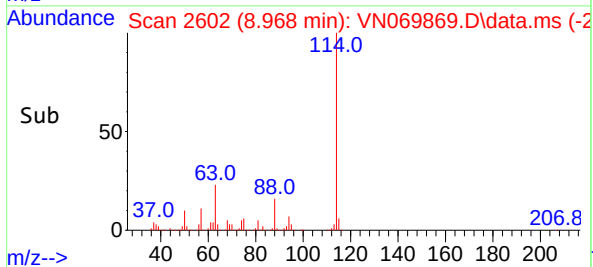
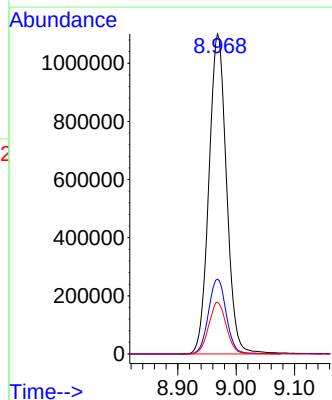
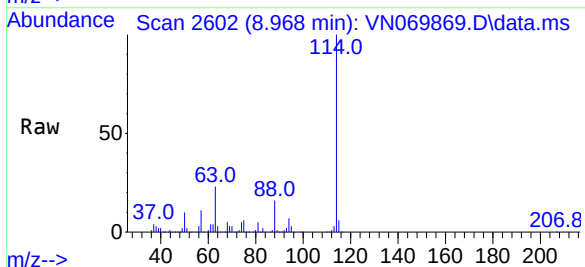
Tgt Ion:114 Resp: 2306245

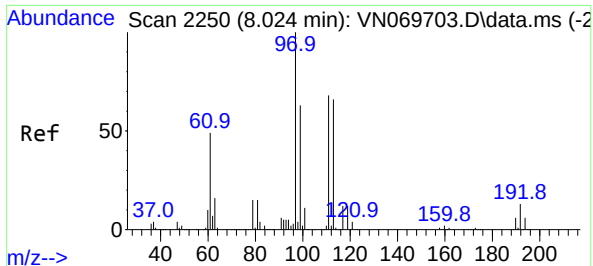
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

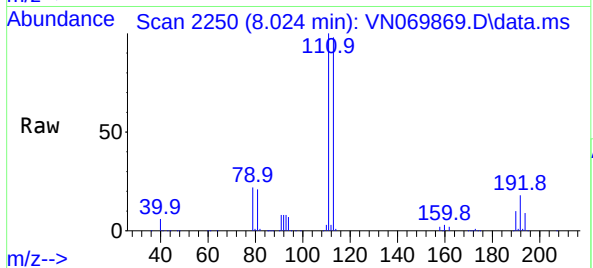
88 16.1 0.0 27.4



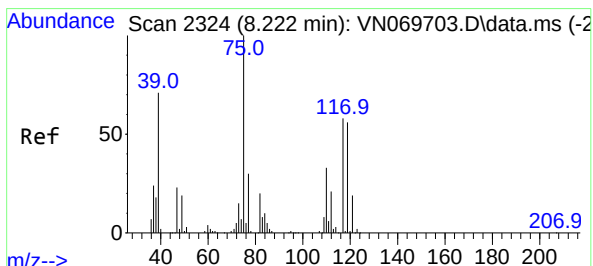
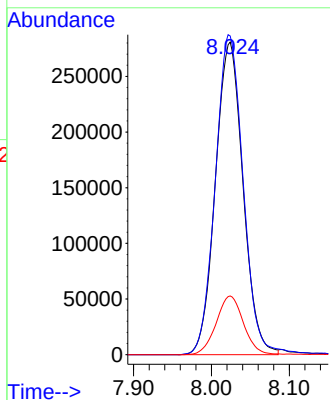
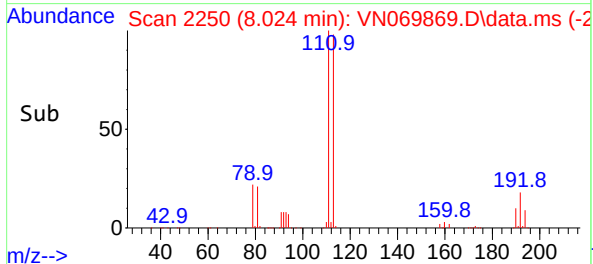


#35
Dibromofluoromethane
Concen: 47.856 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

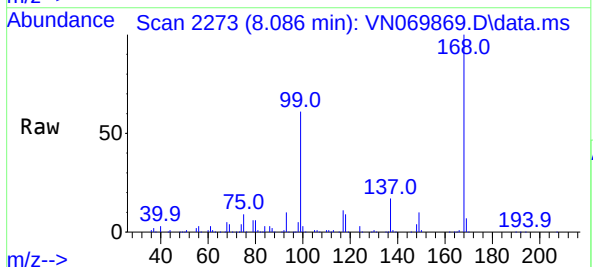
Instrument :
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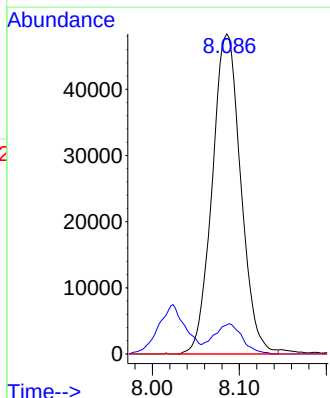
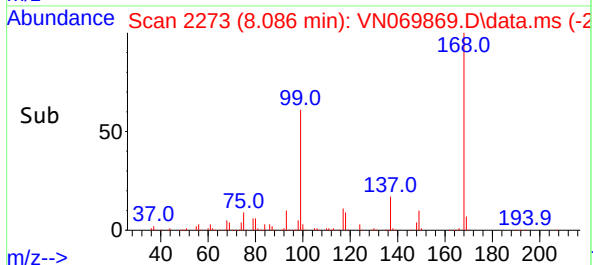
Tgt Ion:113 Resp: 691324
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 18.6 16.9 25.3

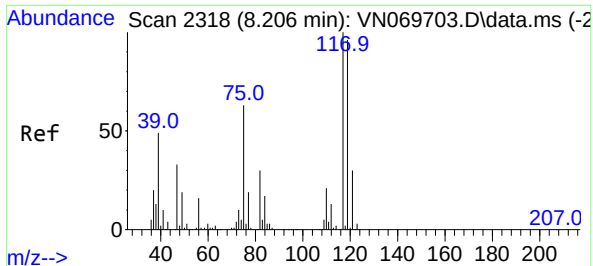


#36
1,1-Dichloropropene
Concen: 5.026 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36



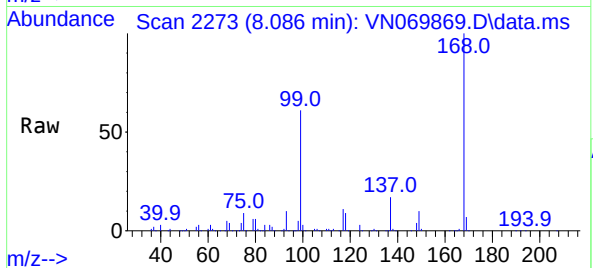
Tgt Ion: 75 Resp: 110347
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#



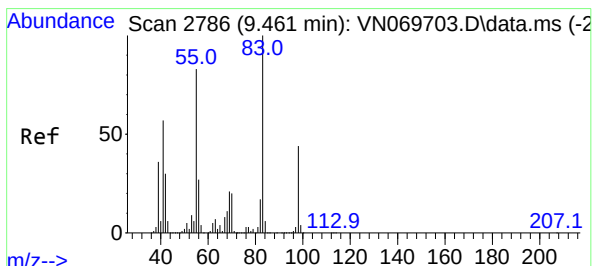
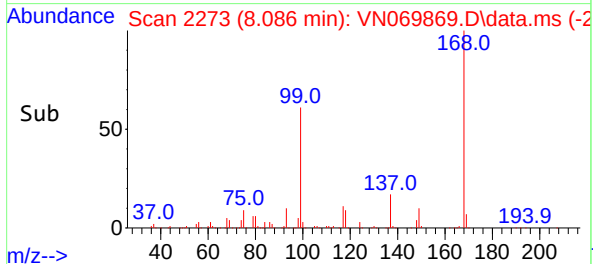
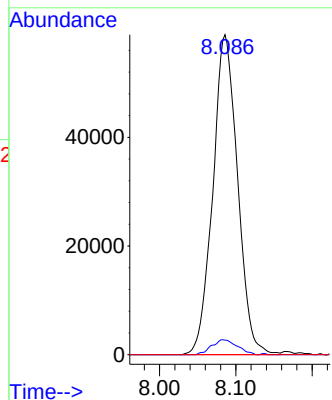


#38
Carbon Tetrachloride
Concen: 6.164 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Instrument :
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ClientSampleId :
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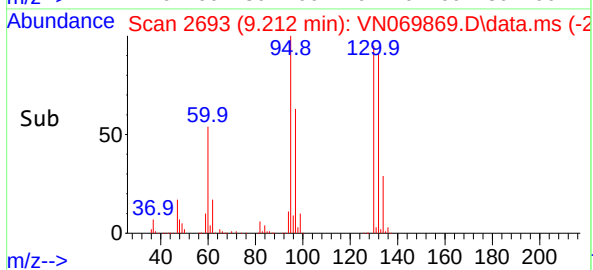
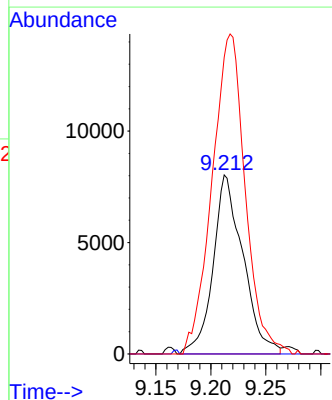
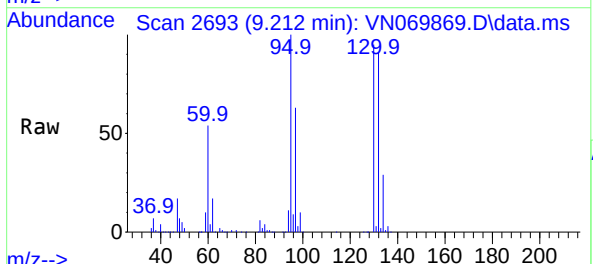


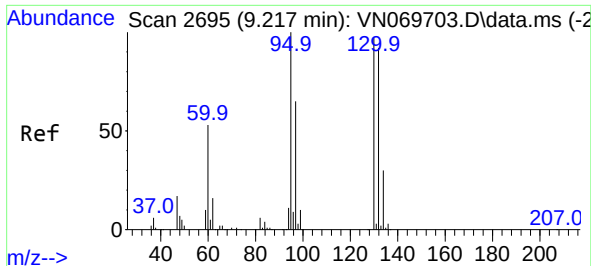
Tgt Ion:117 Resp: 132706
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.580 ug/l
RT: 9.212 min Scan# 2693
Delta R.T. -0.249 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Tgt Ion: 83 Resp: 15159
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 165.8 38.4 57.6#

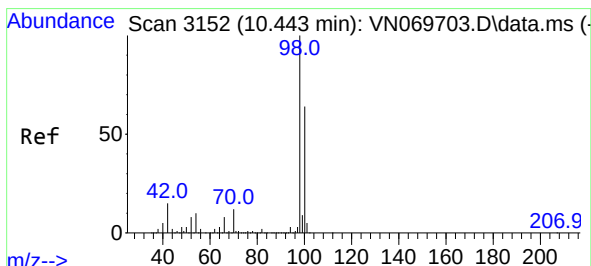
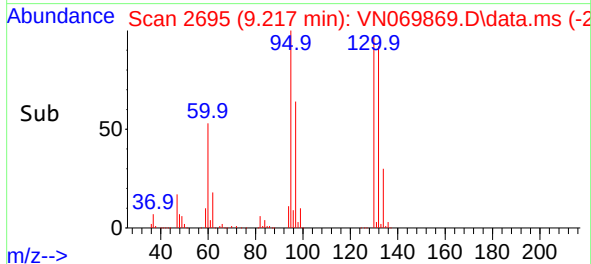
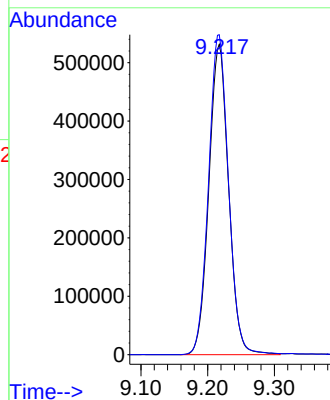
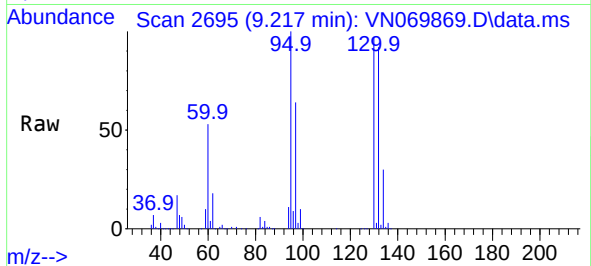




#44
Trichloroethene
Concen: 68.195 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

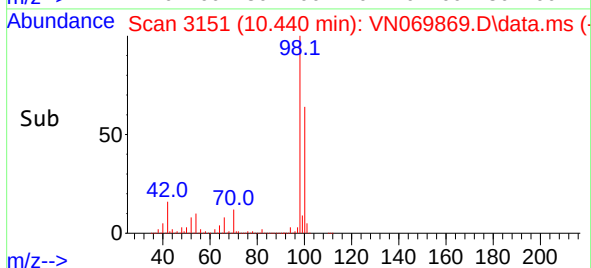
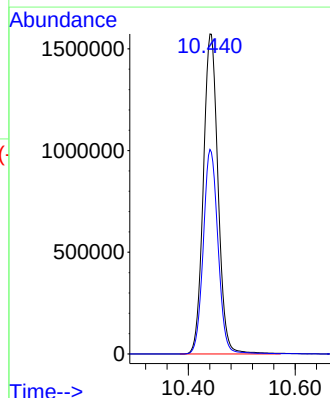
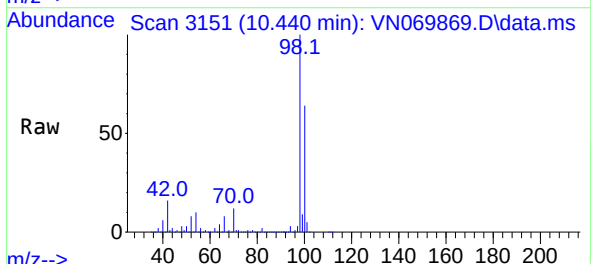
Instrument :
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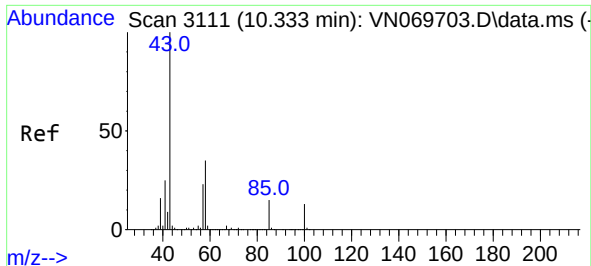
Tgt Ion:130 Resp: 1092279
Ion Ratio Lower Upper
130 100
95 103.1 0.0 191.2



#50
Toluene-d8
Concen: 51.842 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

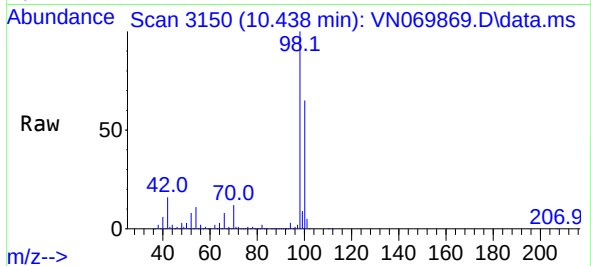
Tgt Ion: 98 Resp: 3007055
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



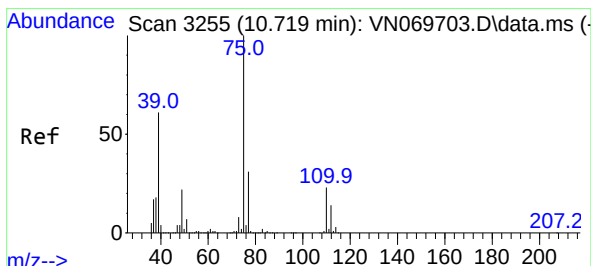
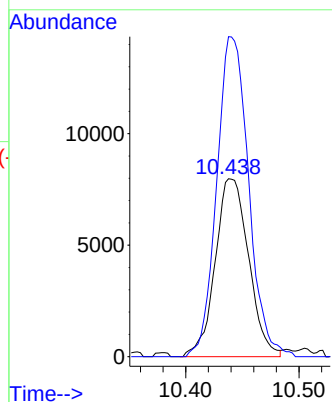
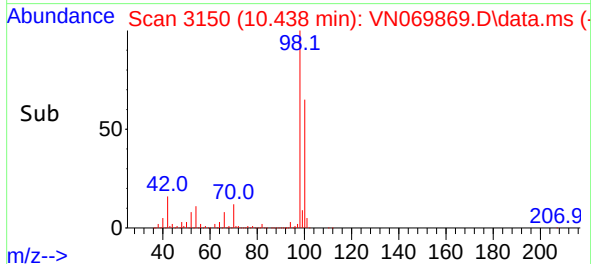


#51
4-Methyl-2-Pentanone
Concen: 0.521 ug/l
RT: 10.438 min Scan# 3111
Delta R.T. 0.105 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

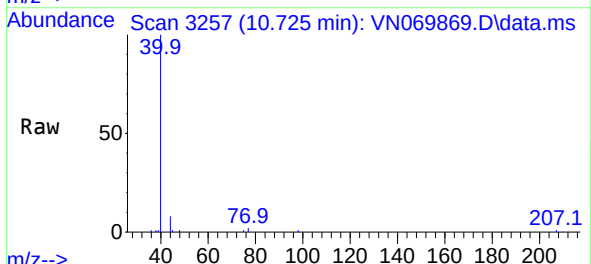
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206



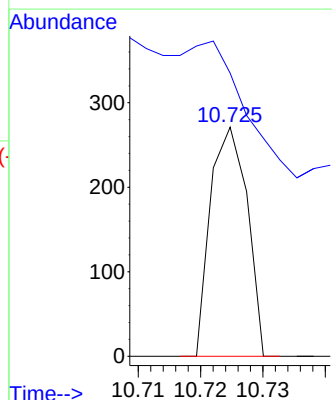
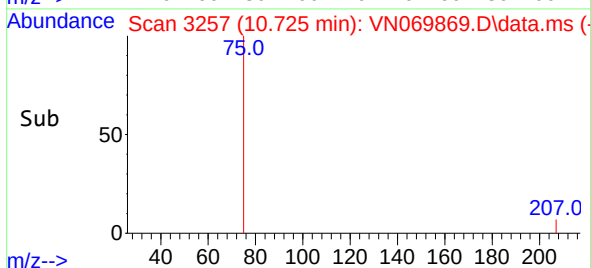
Tgt Ion: 43 Resp: 16349
Ion Ratio Lower Upper
43 100
58 171.7 30.4 45.6#

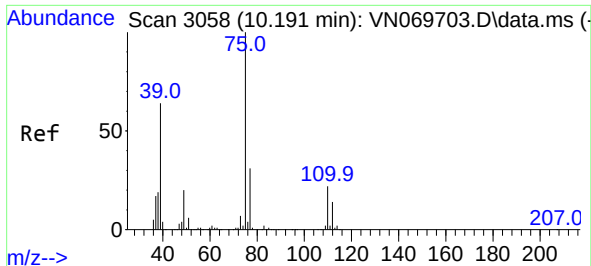


#53
t-1,3-Dichloropropene
Concen: 2.798 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36



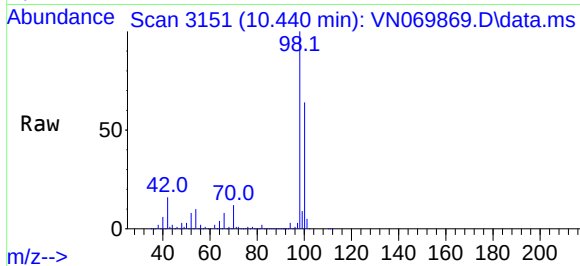
Tgt Ion: 75 Resp: 111
Ion Ratio Lower Upper
75 100
77 38.0 25.6 38.4





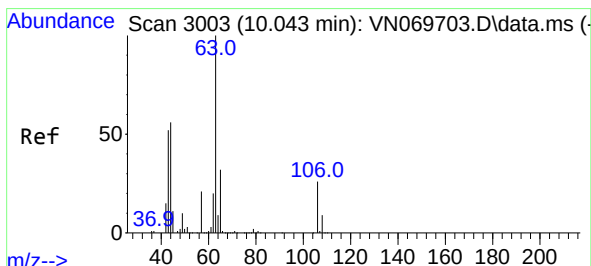
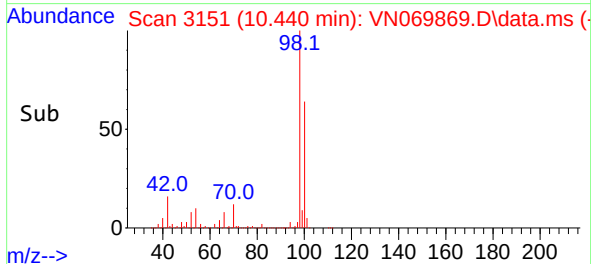
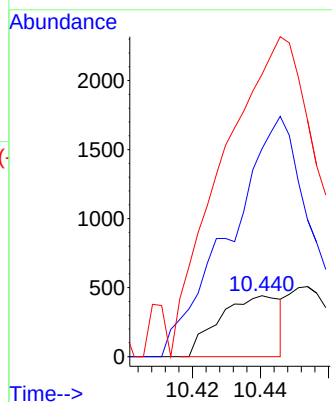
#54
 cis-1,3-Dichloropropene
 Concen: 2.017 ug/l
 RT: 10.440 min Scan# 3151
 Delta R.T. 0.249 min
 Lab File: VN069869.D
 Acq: 8 Dec 2021 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion: 75 Resp: 547

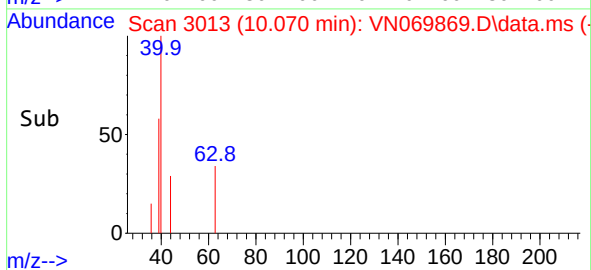
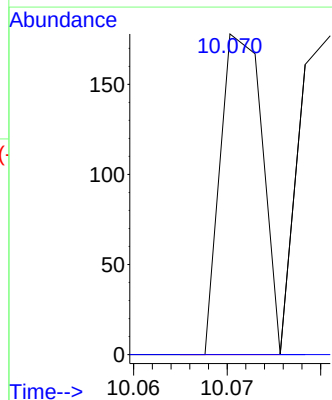
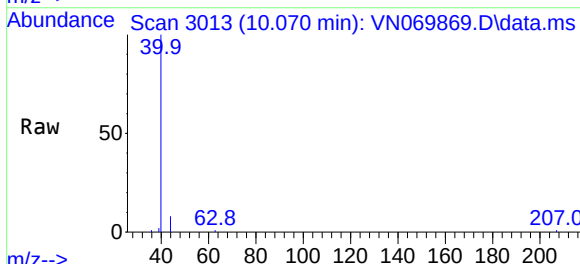
Ion	Ratio	Lower	Upper
75	100		
77	280.0	26.4	39.6#
39	368.0	42.5	63.7#

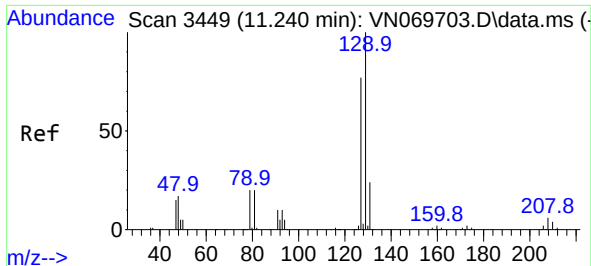


#58
 2-Chloroethyl Vinyl ether
 Concen: 18.395 ug/l
 RT: 10.070 min Scan# 3013
 Delta R.T. 0.027 min
 Lab File: VN069869.D
 Acq: 8 Dec 2021 18:36

Tgt Ion: 63 Resp: 55

Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.9	35.9#

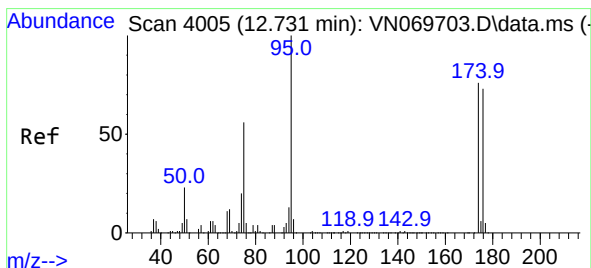
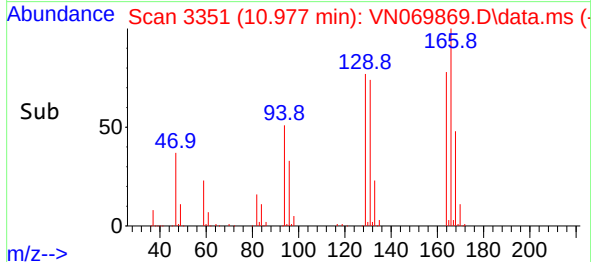
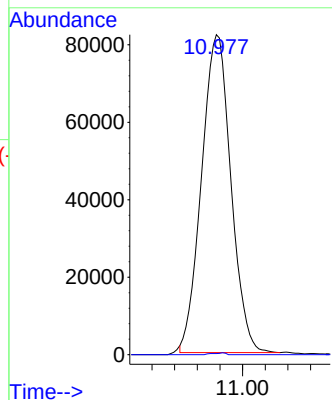
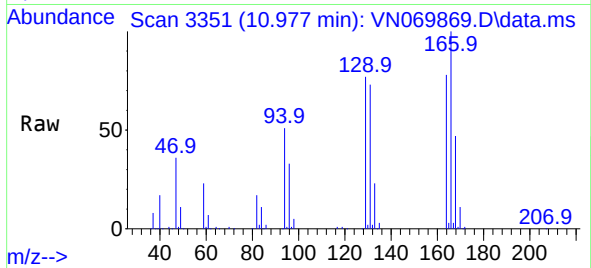




#60
Dibromochloromethane
Concen: 10.307 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

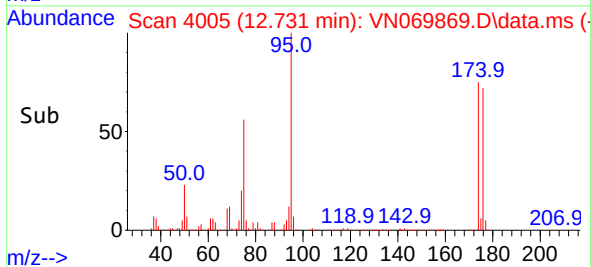
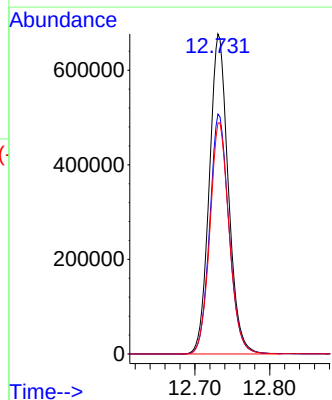
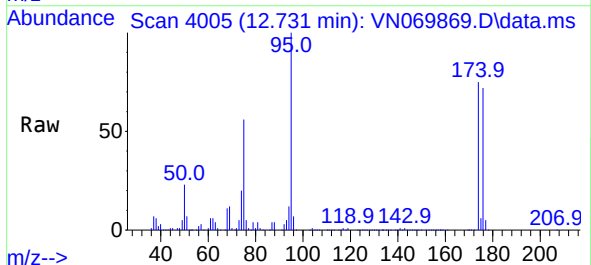
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

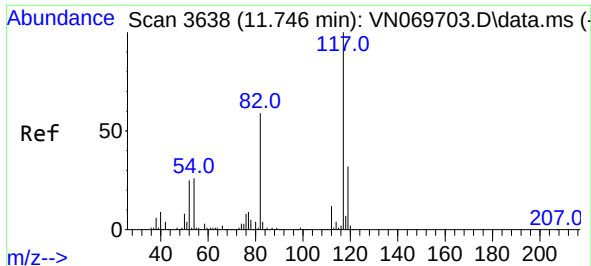
Tgt Ion:129 Resp: 147482
Ion Ratio Lower Upper
129 100
127 0.3 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 56.699 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Tgt Ion: 95 Resp: 1191466
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.4 0.0 181.4



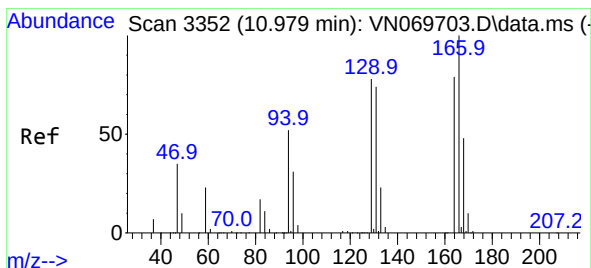
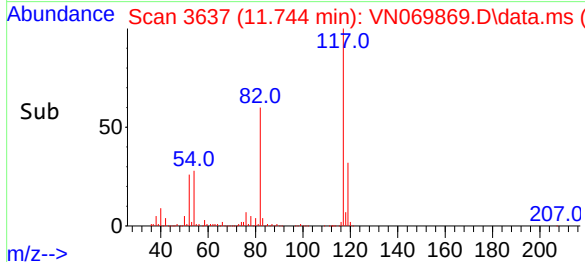
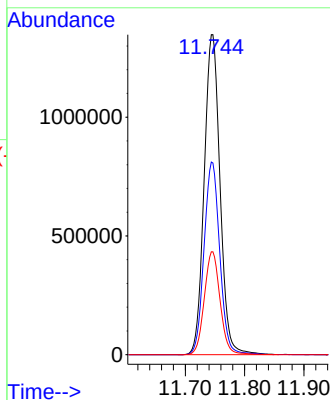
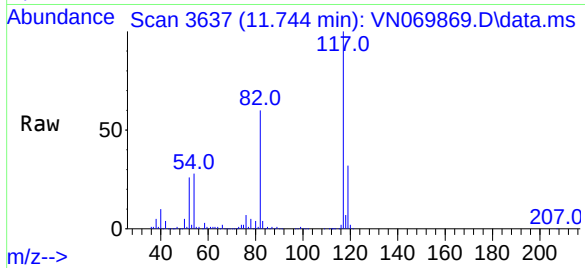


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

Tgt Ion:117 Resp: 2501139

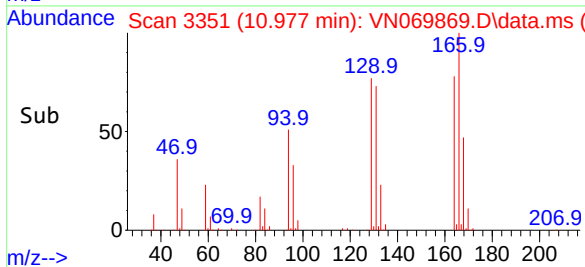
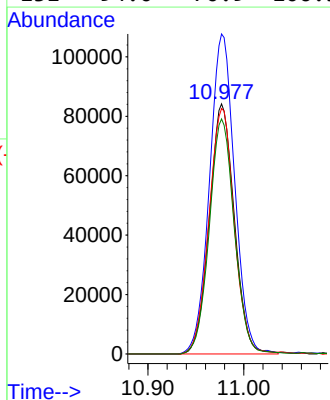
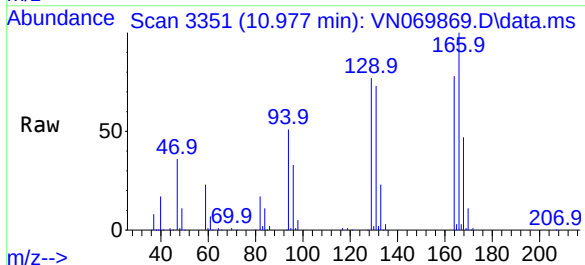
Ion	Ratio	Lower	Upper
117	100		
82	60.2	42.4	63.6
119	32.1	25.4	38.2

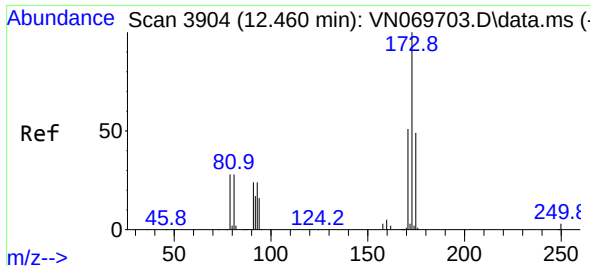


#64
Tetrachloroethene
Concen: 8.971 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Tgt Ion:164 Resp: 152140

Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.9	152.9
129	98.1	72.0	108.0
131	94.0	70.9	106.3

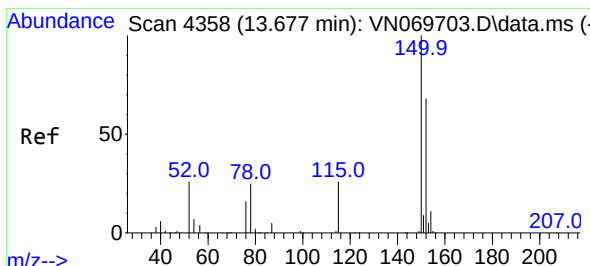
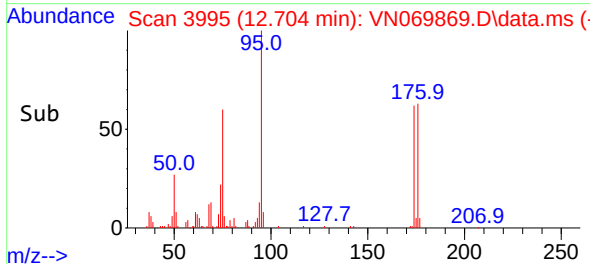
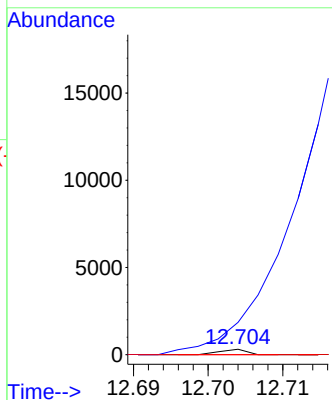
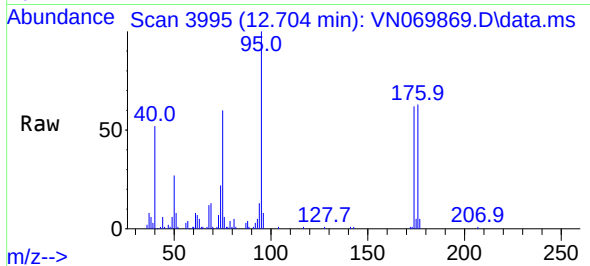




#71
Bromoform
Concen: 2.736 ug/l
RT: 12.704 min Scan# 3904
Delta R.T. 0.244 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

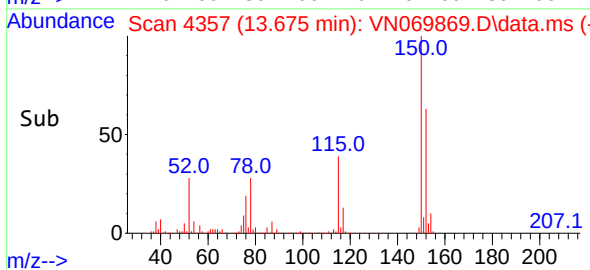
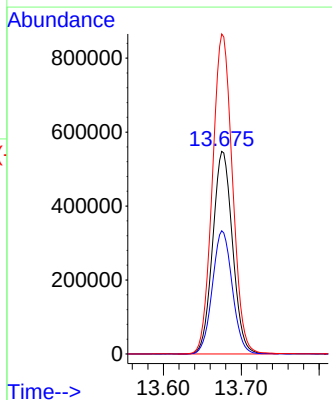
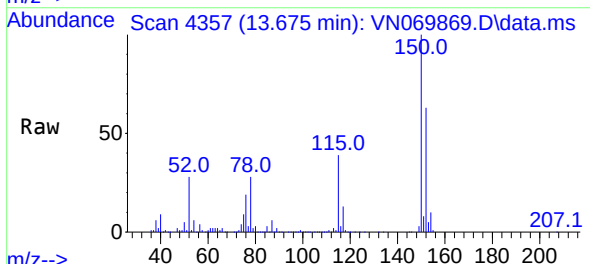
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

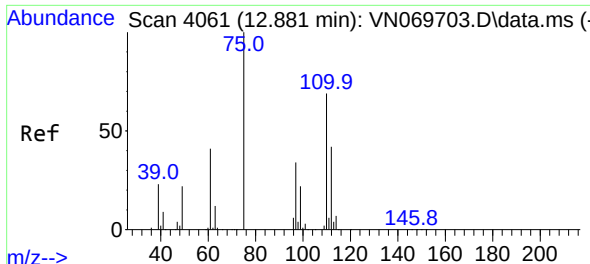
Tgt Ion:173 Resp: 78
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Tgt Ion:152 Resp: 969198
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 159.4 0.0 344.4

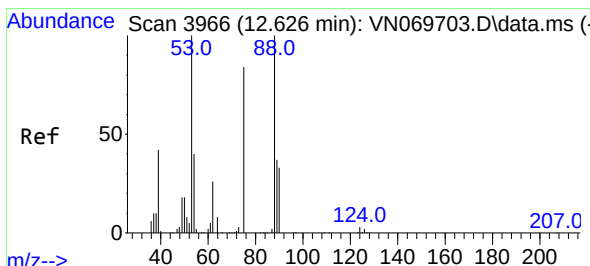
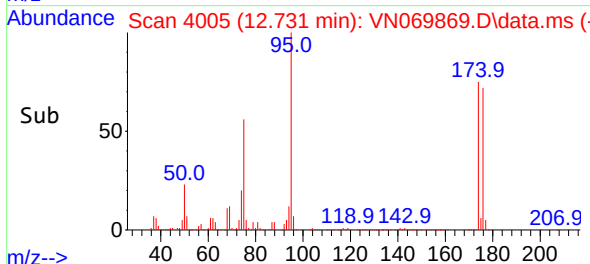
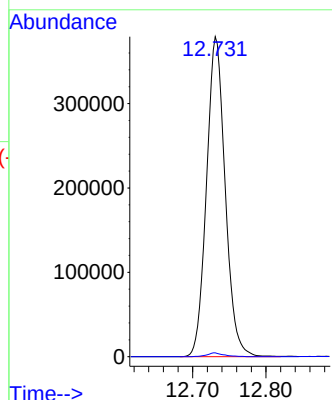
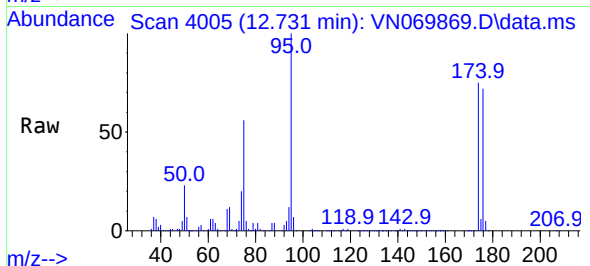




#76
1,2,3-Trichloropropane
Concen: 24.154 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

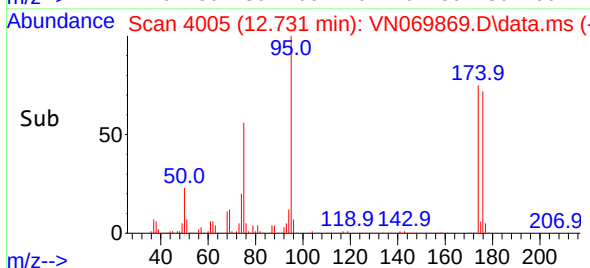
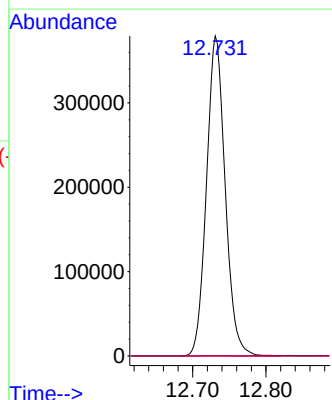
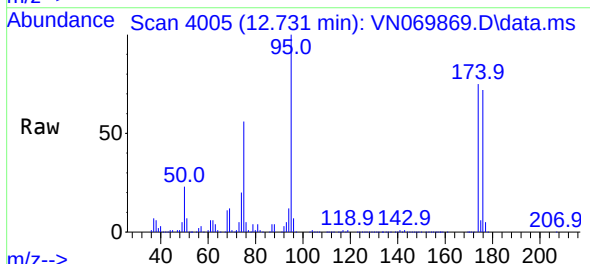
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

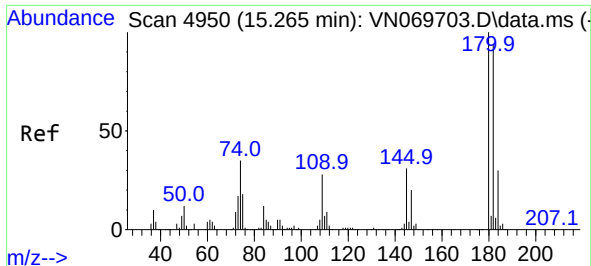
Tgt Ion: 75 Resp: 671353
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.694 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Tgt Ion: 75 Resp: 671353
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

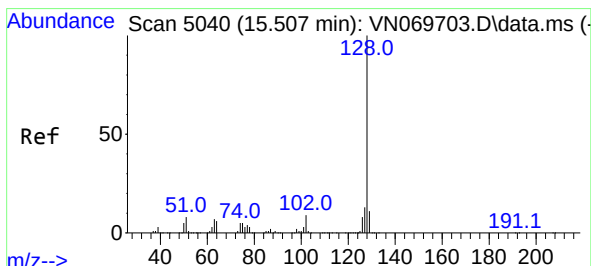
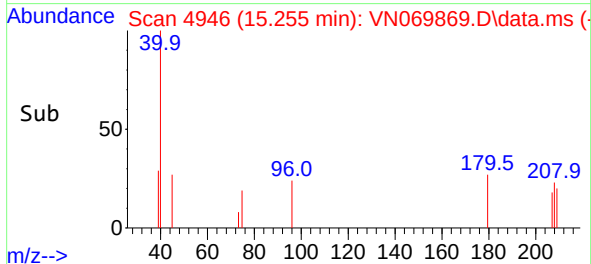
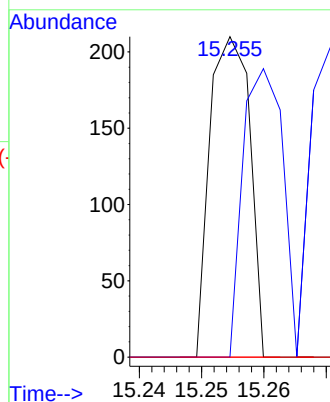
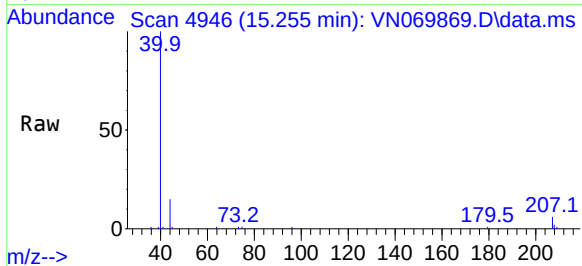




#93
1,2,4-Trichlorobenzene
Concen: 2.883 ug/l
RT: 15.255 min Scan# 4950
Delta R.T. -0.010 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

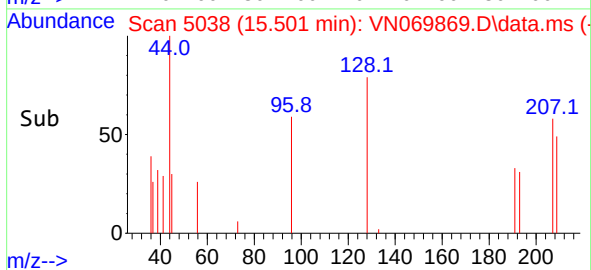
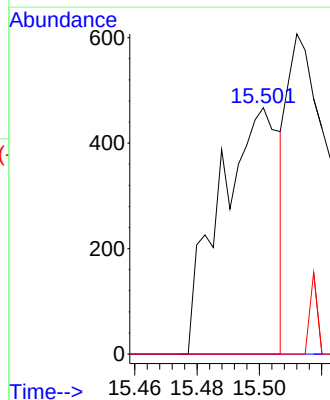
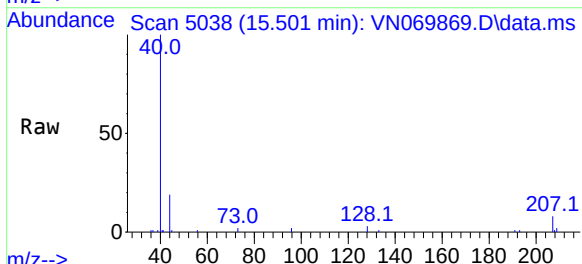
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

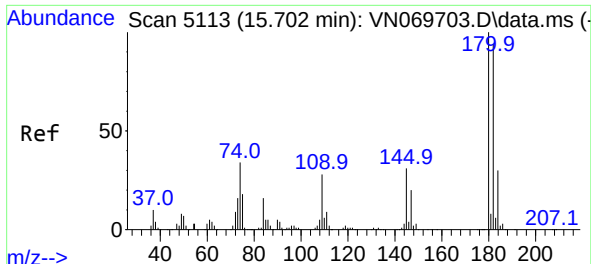
Tgt Ion:180 Resp: 93
Ion Ratio Lower Upper
180 100
182 90.3 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.997 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

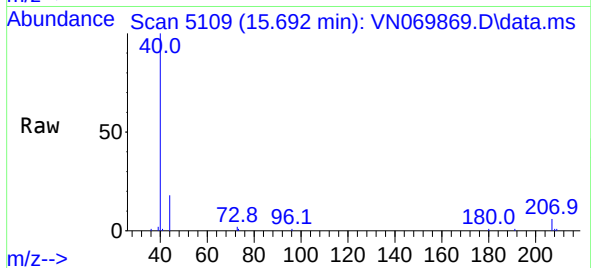
Tgt Ion:128 Resp: 614
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
1,2,3-Trichlorobenzene
Concen: 2.444 ug/l
RT: 15.692 min Scan# 51
Delta R.T. -0.010 min
Lab File: VN069869.D
Acq: 8 Dec 2021 18:36

Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206



Tgt Ion:180 Resp: 130
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 15.0 45.1#

