

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069824.D
 Acq On : 7 Dec 2021 19:14
 Operator : JC/MD
 Sample : M4956-23
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW178I-20211206

Quant Time: Dec 08 04:39:00 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)

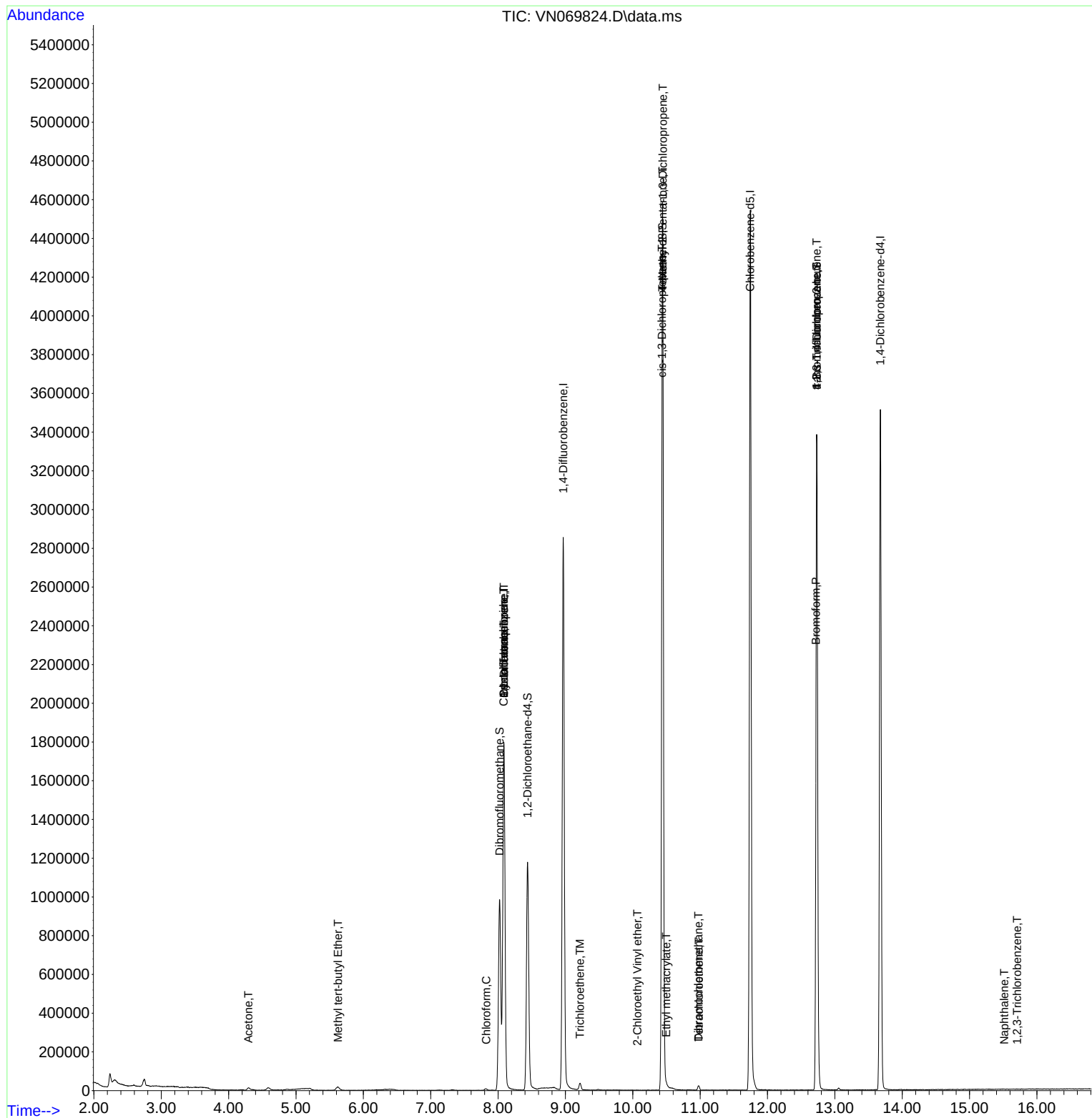
Internal Standards						
1) Pentafluorobenzene	8.086	168	1338454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2402246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2553860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	945533	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1037263	50.19	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.38%			
35) Dibromofluoromethane	8.024	113	718099	47.72	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.44%			
50) Toluene-d8	10.440	98	3108625	51.45	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.90%			
62) 4-Bromofluorobenzene	12.731	95	1185122	54.14	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.28%			
Target Compounds					Qvalue	
16) Acetone	4.293	43	19368	1.56	ug/l	92
19) Methyl tert-butyl Ether	5.624	73	23781	0.48	ug/l	96
30) Chloroform	7.823	83	8254	0.28	ug/l #	83
31) Cyclohexane	8.086	56	35375	1.23	ug/l #	39
36) 1,1-Dichloropropene	8.086	75	113552	4.97	ug/l #	49
38) Carbon Tetrachloride	8.083	117	138759	6.19	ug/l #	16
44) Trichloroethene	9.215	130	11176	0.67	ug/l	82
51) 4-Methyl-2-Pentanone	10.443	43	16994	0.52	ug/l #	1
53) t-1,3-Dichloropropene	10.446	75	766	2.82	ug/l #	1
54) cis-1,3-Dichloropropene	10.432	75	288	2.01	ug/l #	1
56) Ethyl methacrylate	10.497	69	250	2.29	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.068	63	120	18.40	ug/l #	45
60) Dibromochloromethane	10.974	129	5183	2.64	ug/l #	11
64) Tetrachloroethene	10.982	164	4963	0.29	ug/l	90
71) Bromoform	12.720	173	1623	2.83	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	668404	24.65	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	668404	78.19	ug/l #	5
95) Naphthalene	15.515	128	658	4.00	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	53	2.44	ug/l #	12

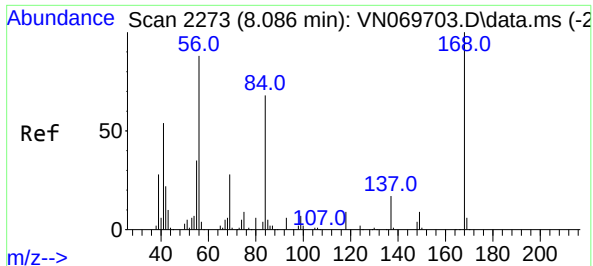
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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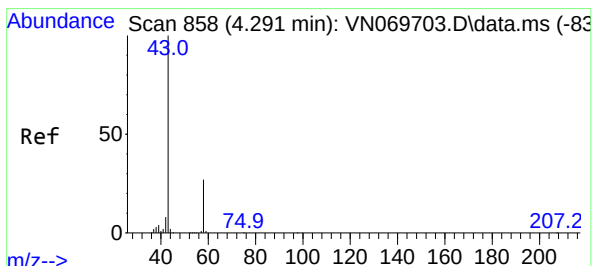
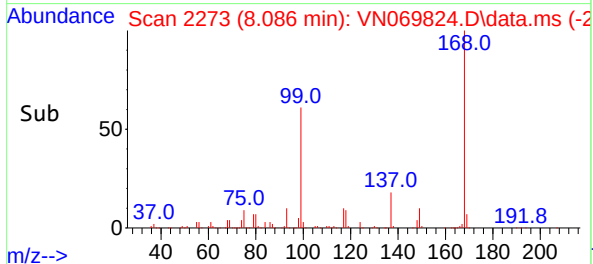
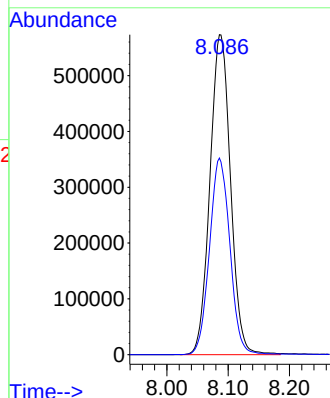
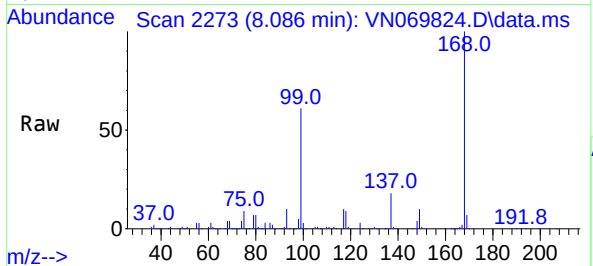




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

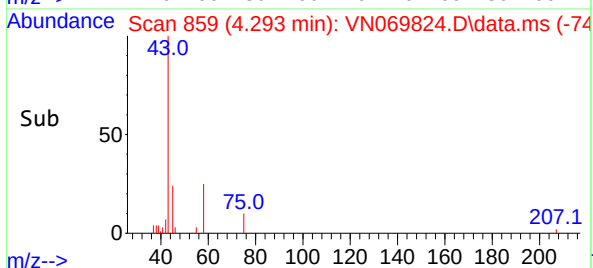
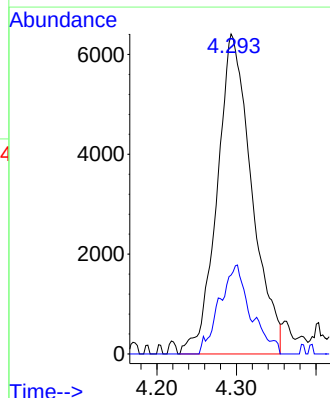
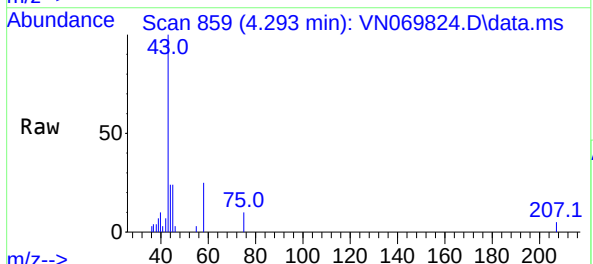
Instrument :
MSVOA_N
ClientSampleId :
MW178I-20211206

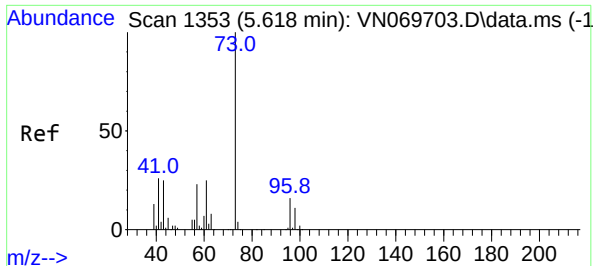
Tgt Ion:168 Resp: 1338454
Ion Ratio Lower Upper
168 100
99 61.4 41.3 61.9



#16
Acetone
Concen: 1.56 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Tgt Ion: 43 Resp: 19368
Ion Ratio Lower Upper
43 100
58 24.6 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 0.48 ug/l

RT: 5.624 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN069824.D

Acq: 7 Dec 2021 19:14

Instrument :

MSVOA_N

ClientSampleId :

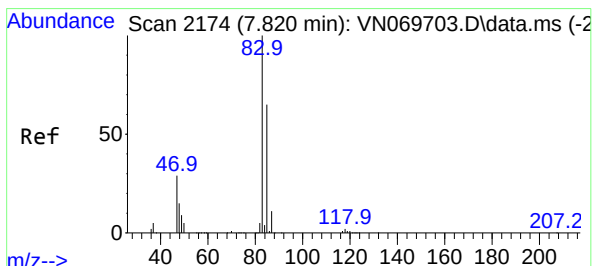
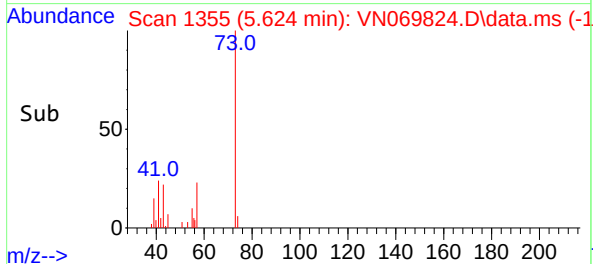
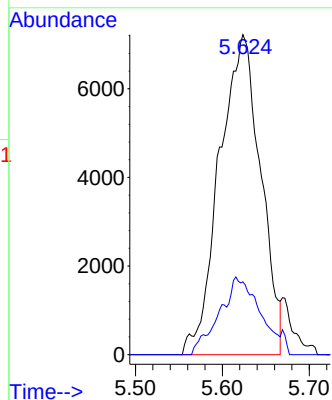
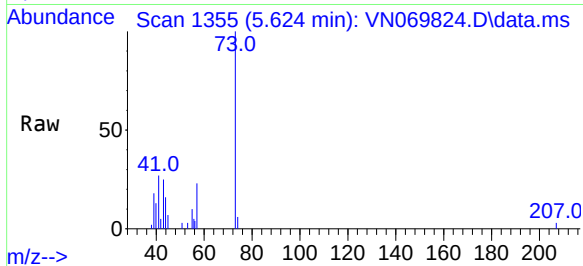
MW178I-20211206

Tgt Ion: 73 Resp: 23781

Ion Ratio Lower Upper

73 100

57 22.7 16.8 25.2



#30

Chloroform

Concen: 0.28 ug/l

RT: 7.823 min Scan# 2175

Delta R.T. 0.003 min

Lab File: VN069824.D

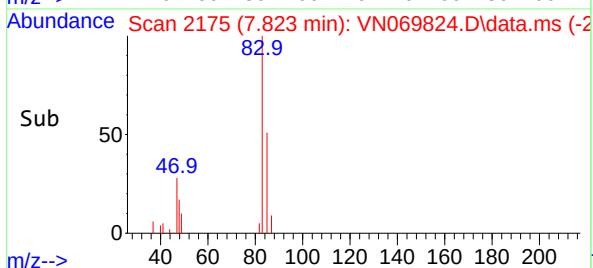
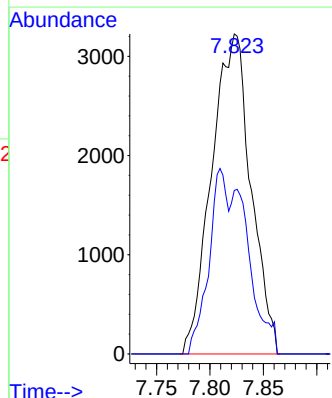
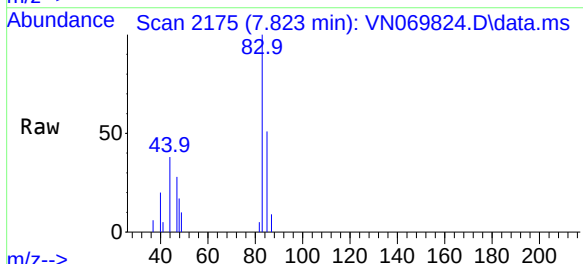
Acq: 7 Dec 2021 19:14

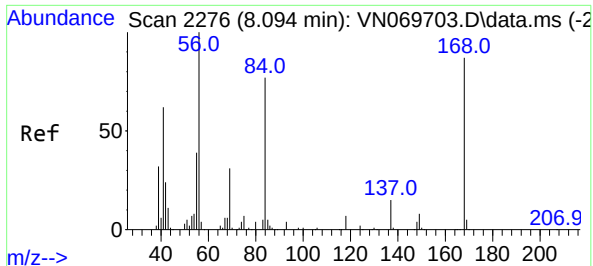
Tgt Ion: 83 Resp: 8254

Ion Ratio Lower Upper

83 100

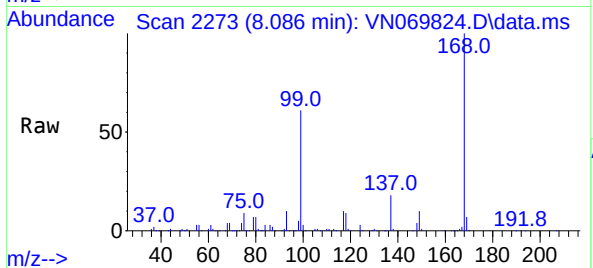
85 51.1 51.9 77.9#



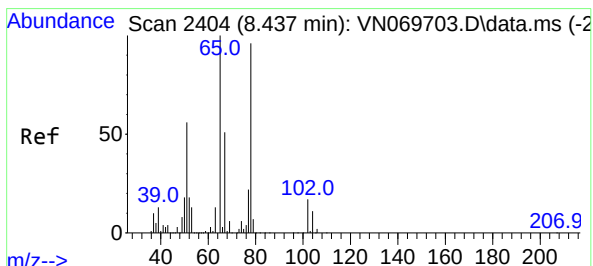
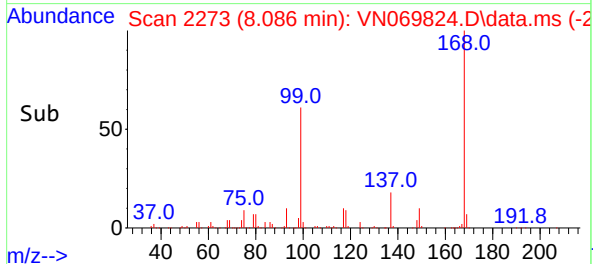
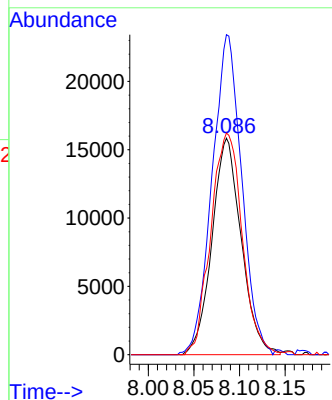


#31
Cyclohexane
Concen: 1.23 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Instrument :
MSVOA_N
ClientSampleId :
MW178I-20211206

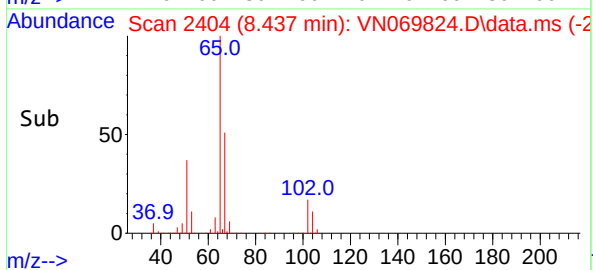
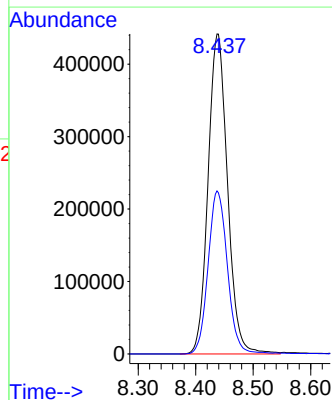
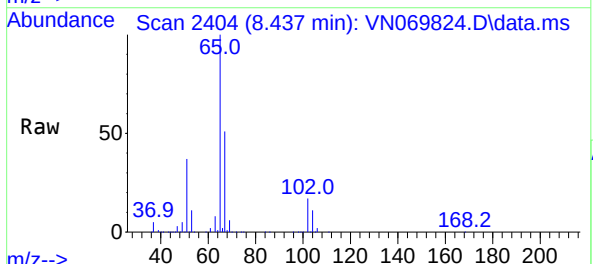


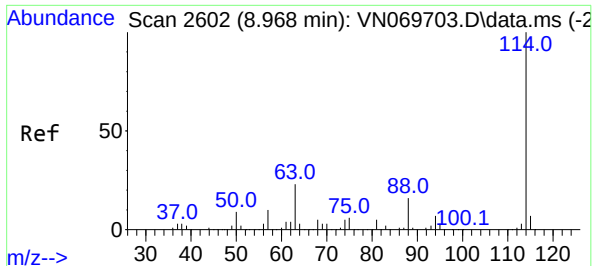
Tgt Ion: 56 Resp: 35375
Ion Ratio Lower Upper
56 100
69 146.8 27.1 40.7#
84 102.4 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.19 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Tgt Ion: 65 Resp: 1037263
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0

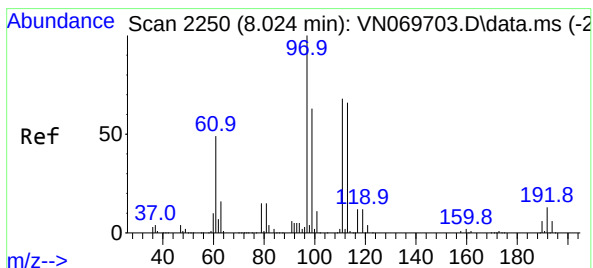
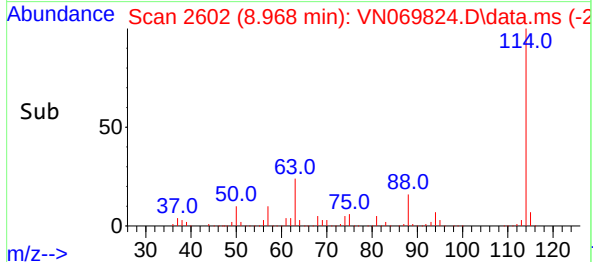
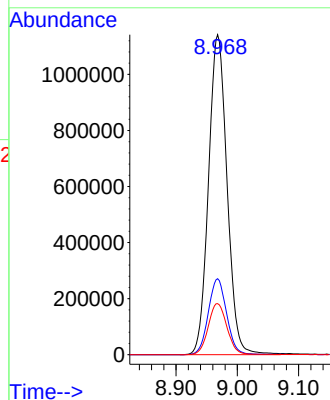
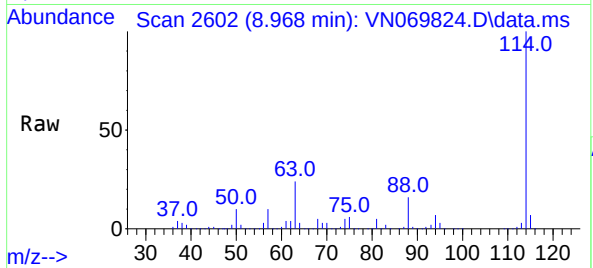




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

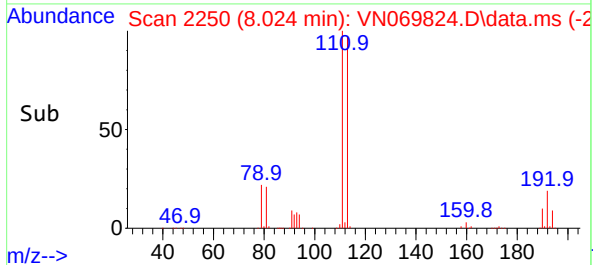
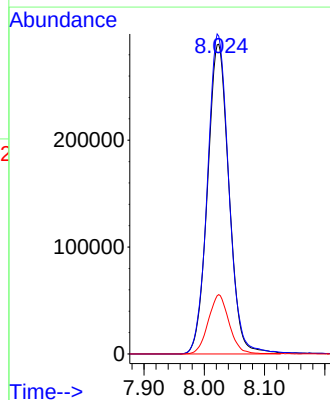
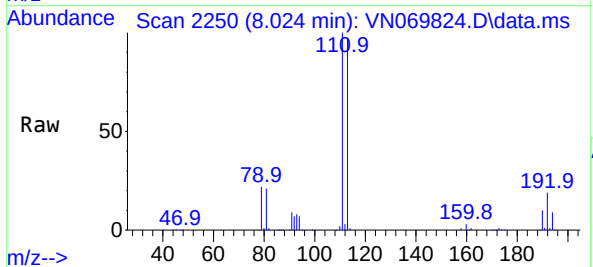
Instrument :
MSVOA_N
ClientSampleId :
MW178I-20211206

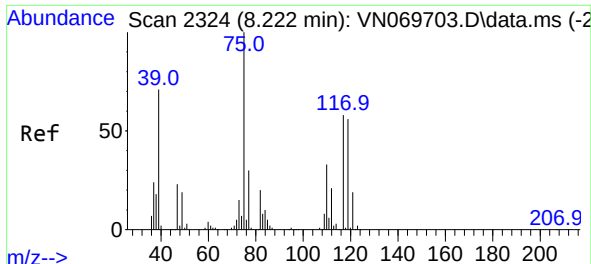
Tgt Ion:114 Resp: 2402246
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.72 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Tgt Ion:113 Resp: 718099
Ion Ratio Lower Upper
113 100
111 103.3 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# 21

Delta R.T. -0.137 min

Lab File: VN069824.D

Acq: 7 Dec 2021 19:14

Instrument :

MSVOA_N

ClientSampleId :

MW178I-20211206

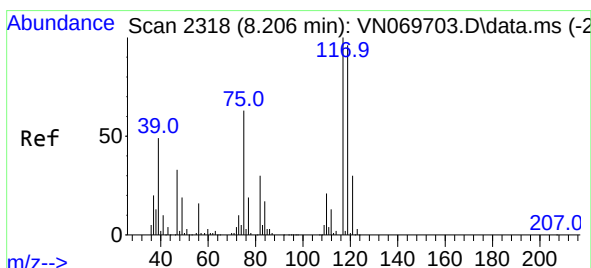
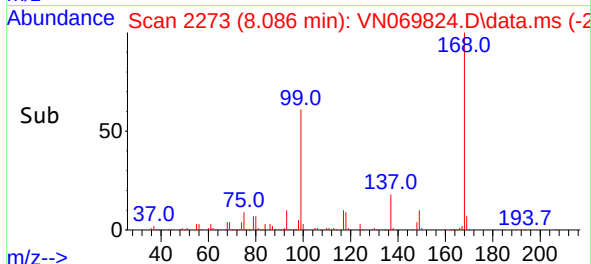
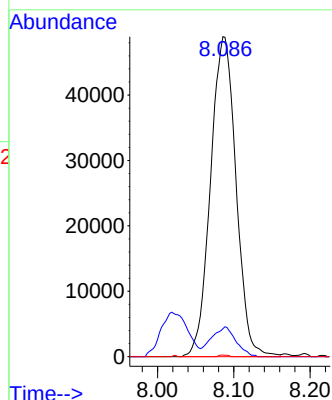
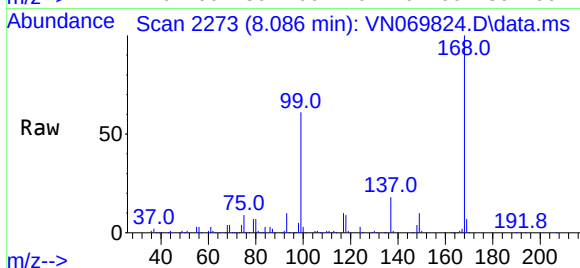
Tgt Ion: 75 Resp: 113552

Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.2 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.19 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.123 min

Lab File: VN069824.D

Acq: 7 Dec 2021 19:14

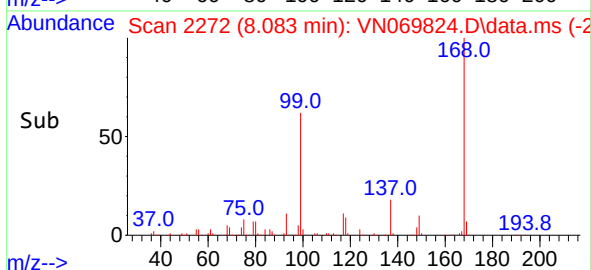
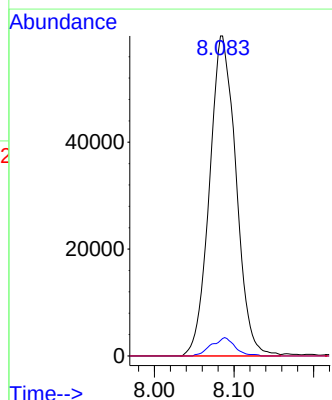
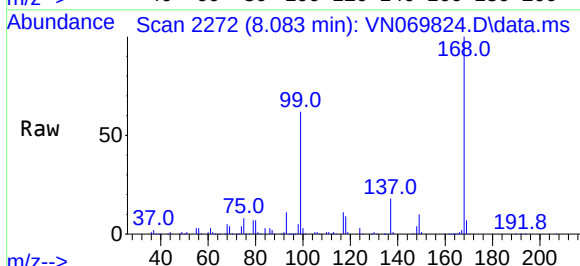
Tgt Ion: 117 Resp: 138759

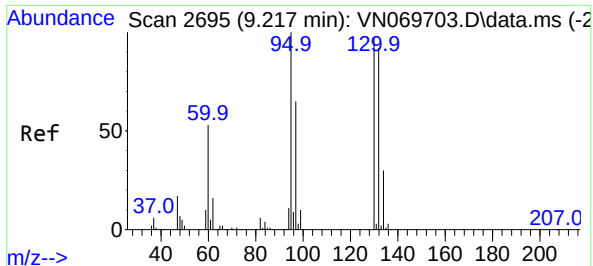
Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

121 0.0 24.2 36.2#

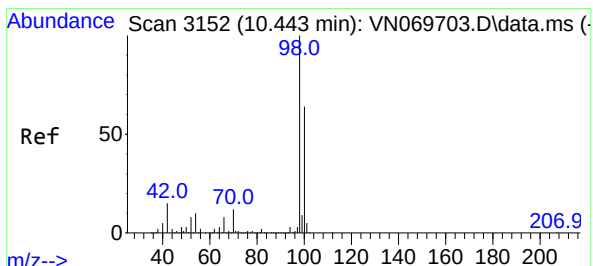
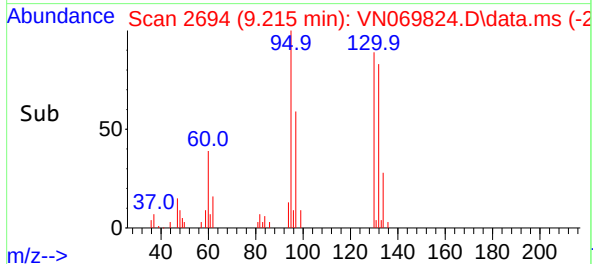
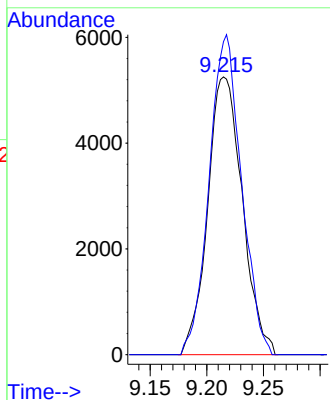
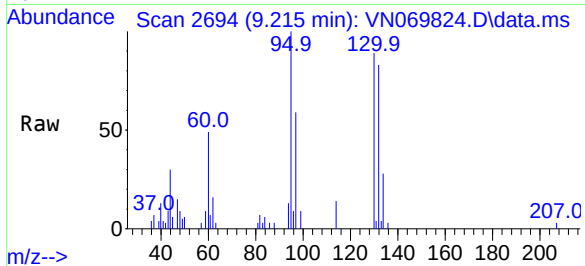




#44
 Trichloroethene
 Concen: 0.67 ug/l
 RT: 9.215 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: VN069824.D
 Acq: 7 Dec 2021 19:14

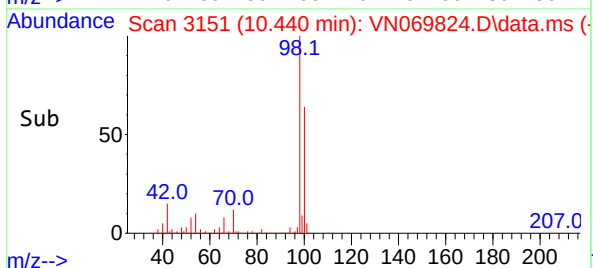
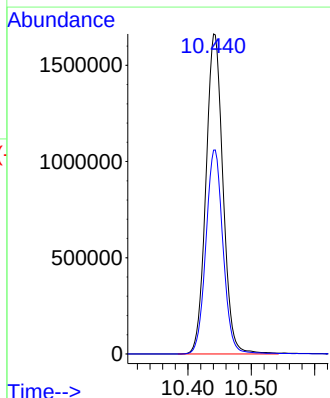
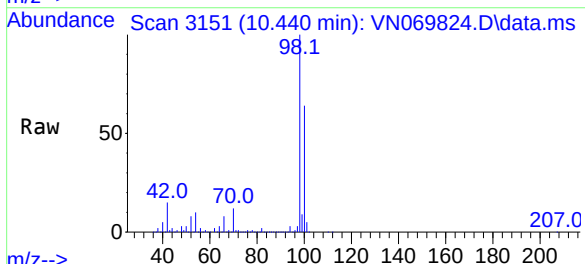
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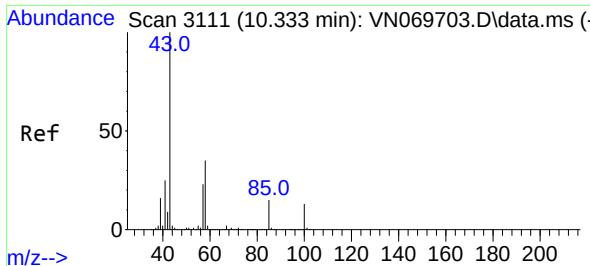
Tgt Ion:130 Resp: 11176
 Ion Ratio Lower Upper
 130 100
 95 112.7 0.0 191.2



#50
 Toluene-d8
 Concen: 51.45 ug/l
 RT: 10.440 min Scan# 3151
 Delta R.T. -0.003 min
 Lab File: VN069824.D
 Acq: 7 Dec 2021 19:14

Tgt Ion: 98 Resp: 3108625
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.52 ug/l

RT: 10.443 min Scan# 3111

Delta R.T. 0.110 min

Lab File: VN069824.D

Acq: 7 Dec 2021 19:14

Instrument :

MSVOA_N

ClientSampleId :

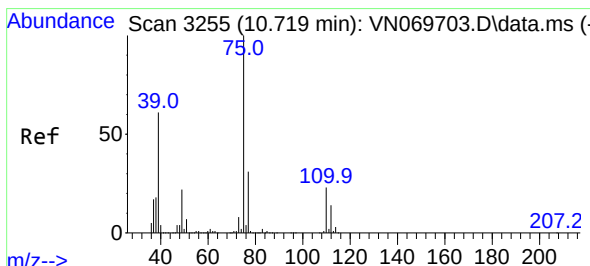
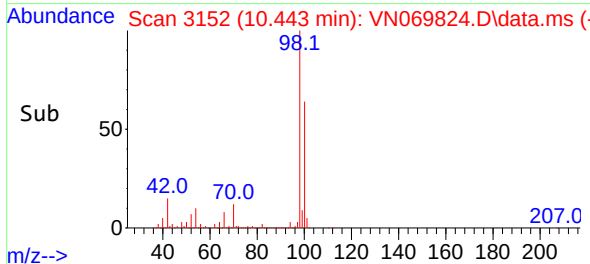
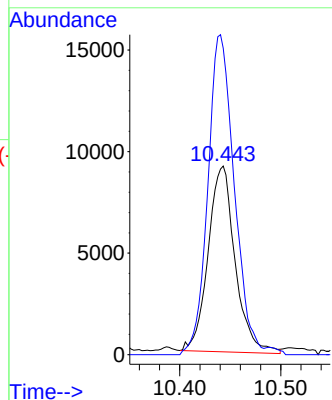
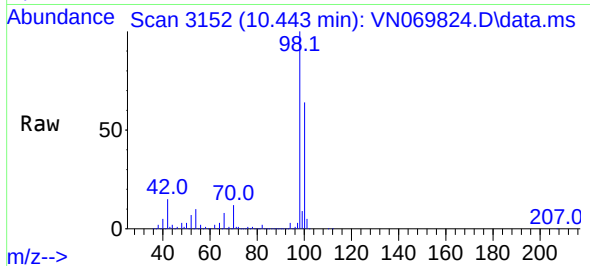
MW178I-20211206

Tgt Ion: 43 Resp: 16994

Ion Ratio Lower Upper

43 100

58 168.2 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.82 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. -0.273 min

Lab File: VN069824.D

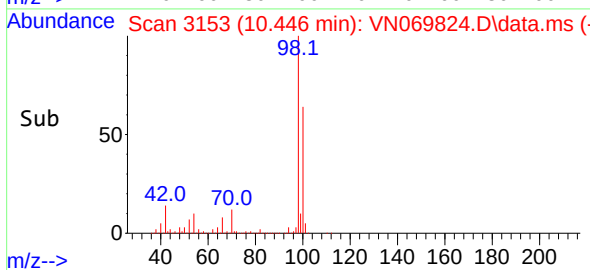
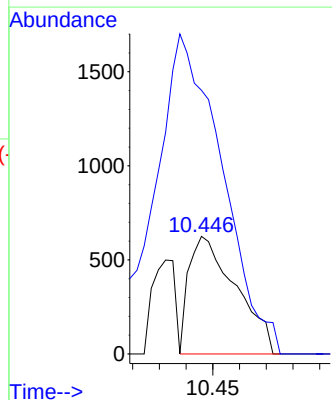
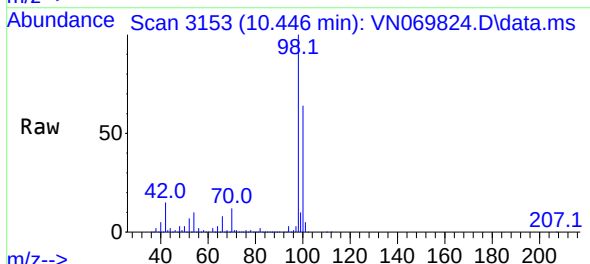
Acq: 7 Dec 2021 19:14

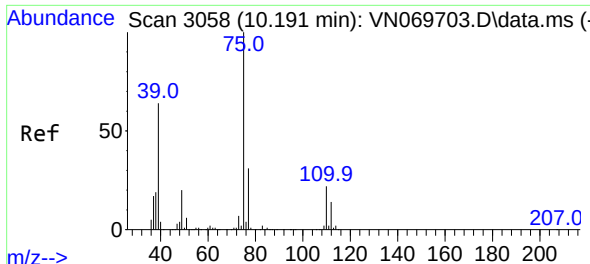
Tgt Ion: 75 Resp: 766

Ion Ratio Lower Upper

75 100

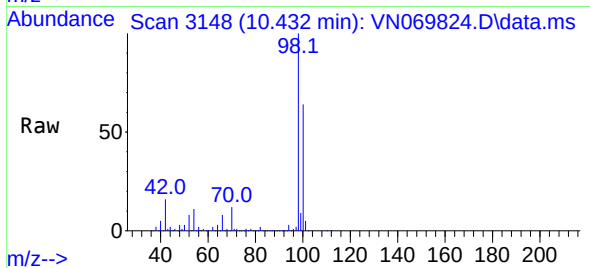
77 224.3 25.6 38.4#



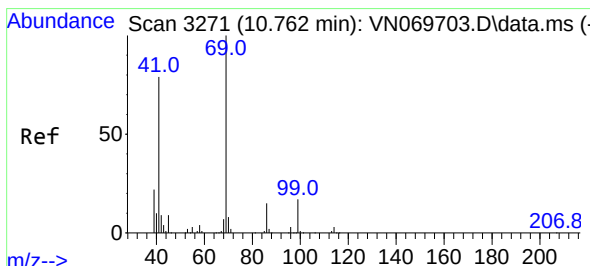
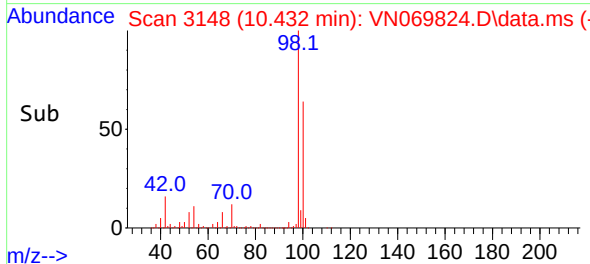
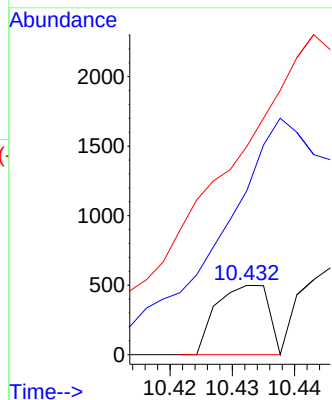


#54
cis-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.432 min Scan# 3148
Delta R.T. 0.241 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

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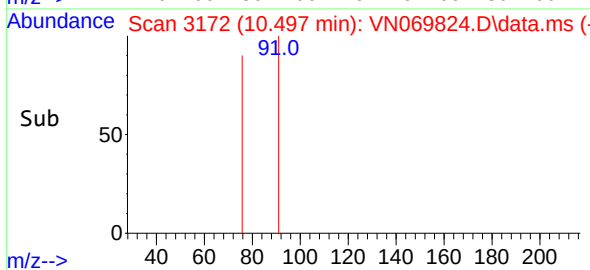
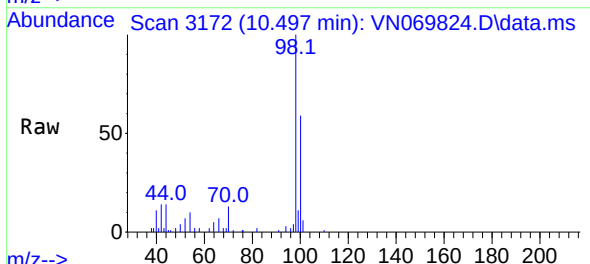
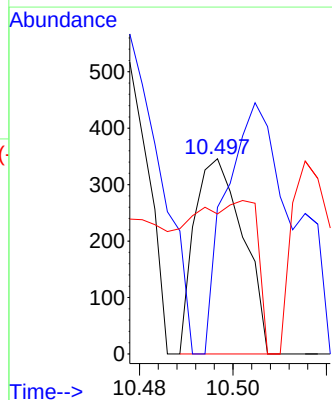


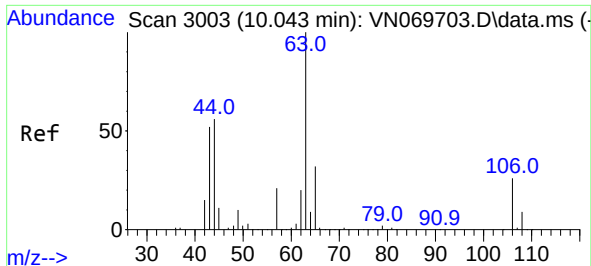
Tgt Ion: 75 Resp: 288
Ion Ratio Lower Upper
75 100
77 147.1 26.4 39.6#
39 121.0 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.29 ug/l
RT: 10.497 min Scan# 3172
Delta R.T. -0.265 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Tgt Ion: 69 Resp: 250
Ion Ratio Lower Upper
69 100
41 178.4 51.4 77.0#
39 83.6 34.6 52.0#

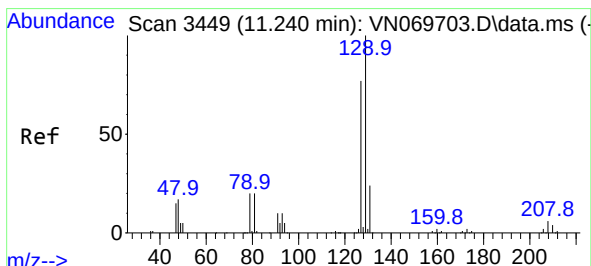
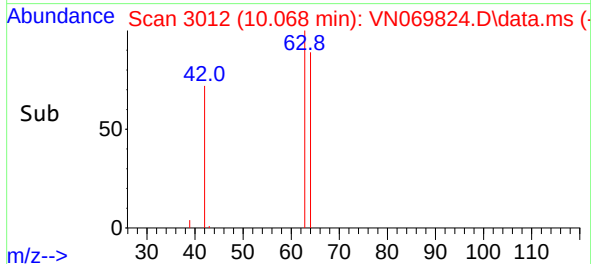
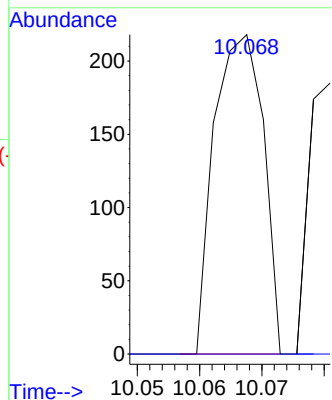
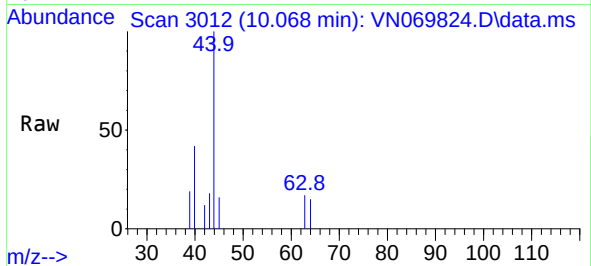




#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.068 min Scan# 30
Delta R.T. 0.025 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

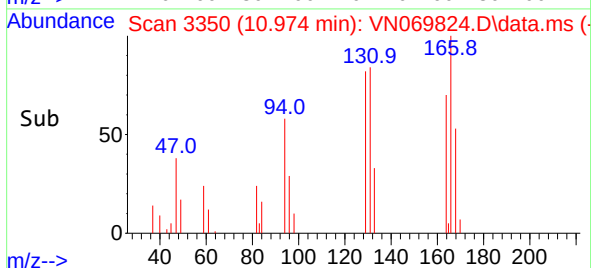
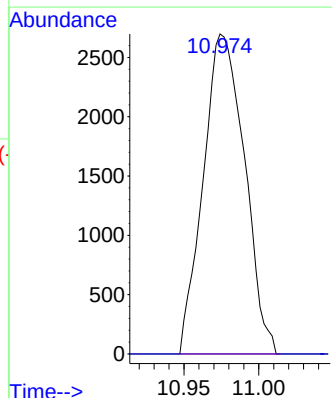
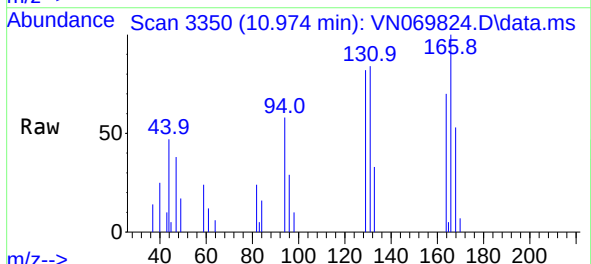
Instrument :
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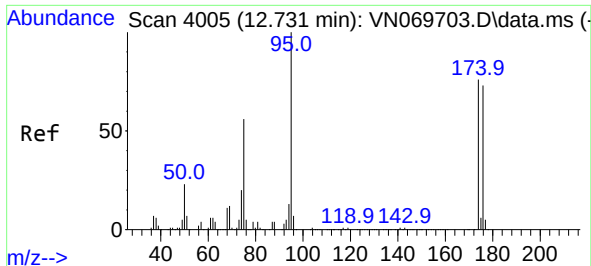
Tgt Ion: 63 Resp: 120
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.64 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.266 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Tgt Ion:129 Resp: 5183
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



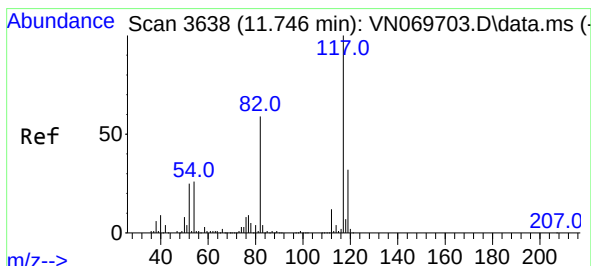
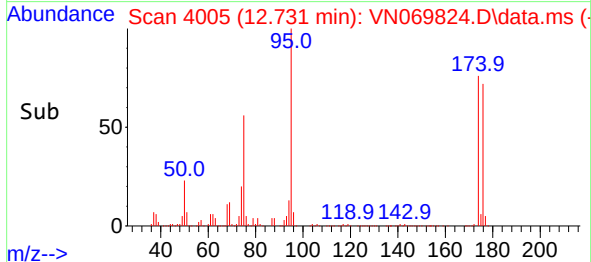
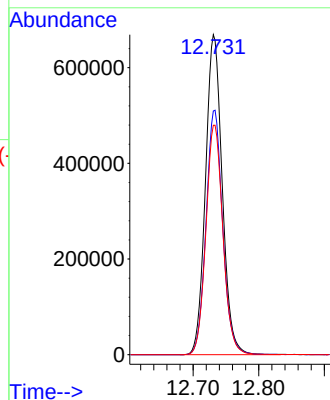
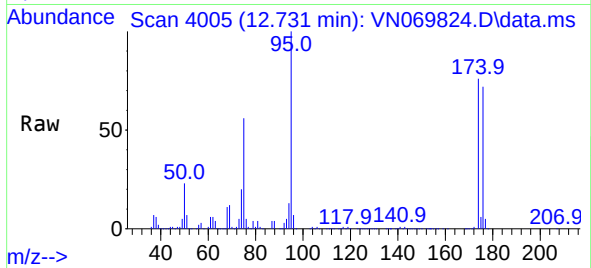


#62
4-Bromofluorobenzene
Concen: 54.14 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

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Tgt Ion: 95 Resp: 1185122

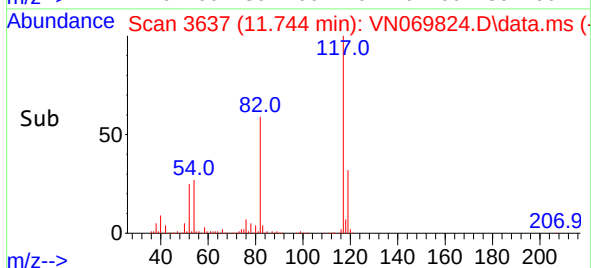
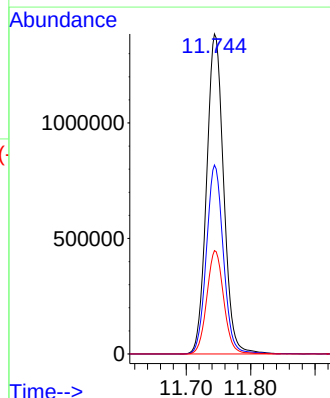
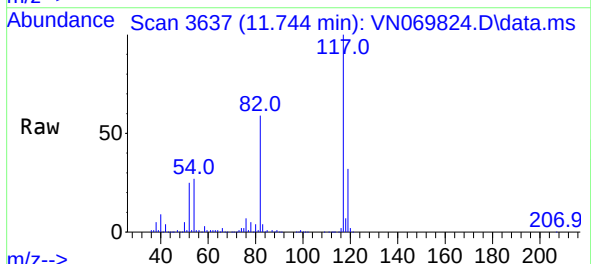
Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	187.2
176	73.0	0.0	181.4

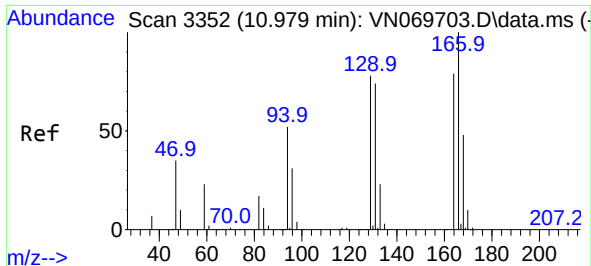


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Tgt Ion: 117 Resp: 2553860

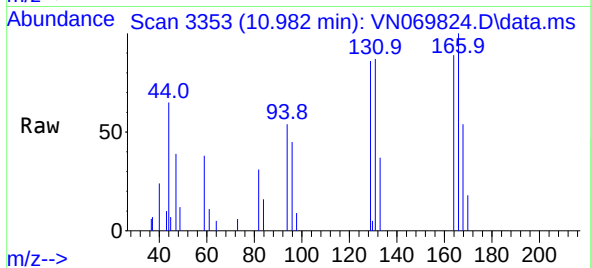
Ion	Ratio	Lower	Upper
117	100		
82	59.0	42.4	63.6
119	32.3	25.4	38.2





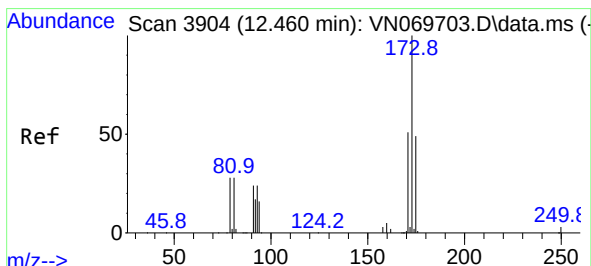
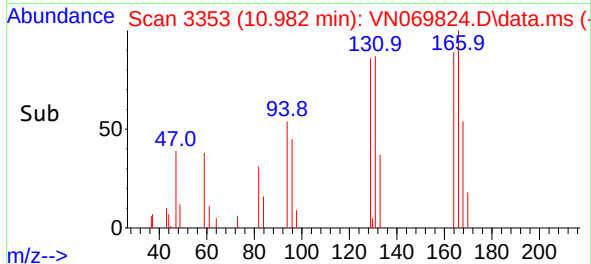
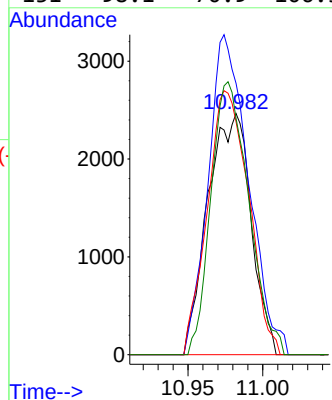
#64
Tetrachloroethene
Concen: 0.29 ug/l
RT: 10.982 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Instrument :
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Tgt Ion:164 Resp: 4963

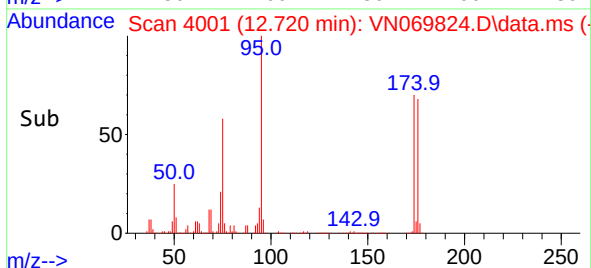
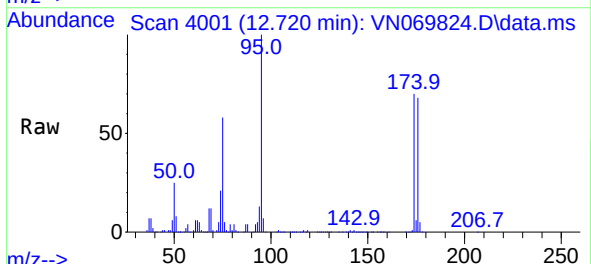
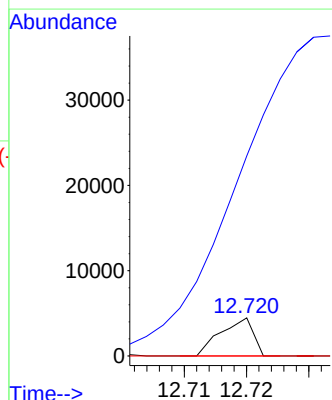
Ion	Ratio	Lower	Upper
164	100		
166	112.6	101.9	152.9
129	96.7	72.0	108.0
131	98.1	70.9	106.3

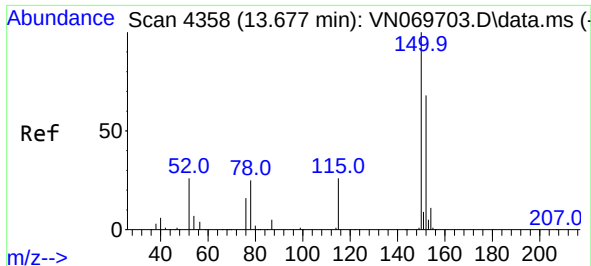


#71
Bromoform
Concen: 2.83 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Tgt Ion:173 Resp: 1623

Ion	Ratio	Lower	Upper
173	100		
175	3961.7	24.2	72.6#
254	0.0	0.0	0.0

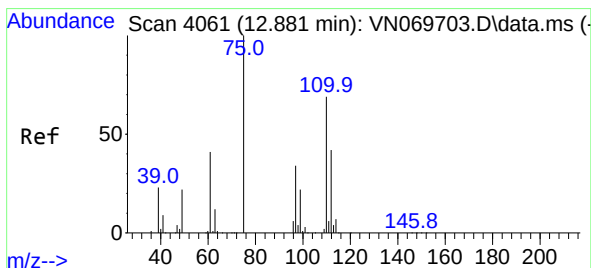
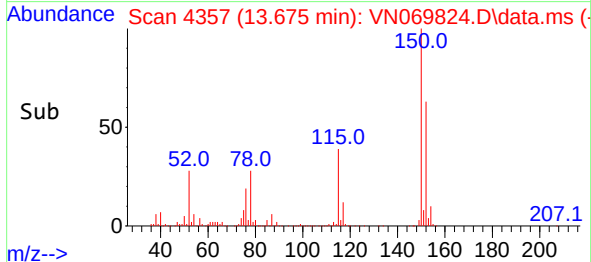
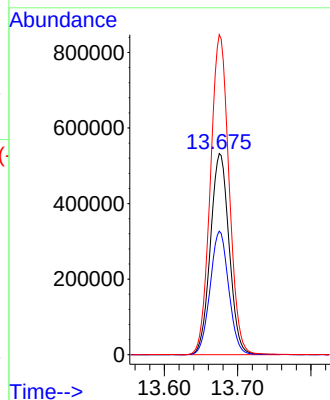
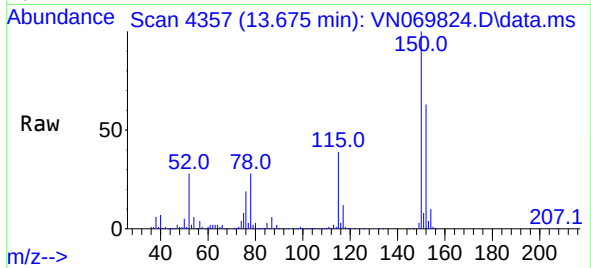




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

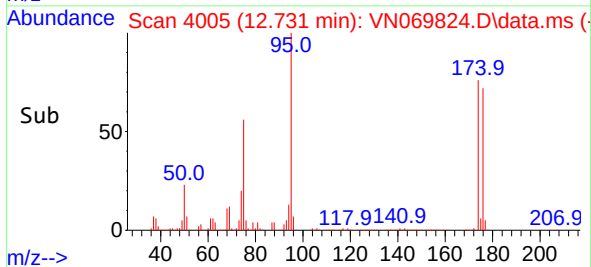
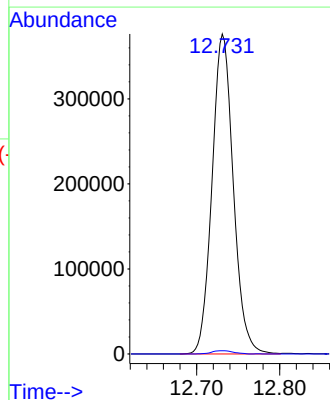
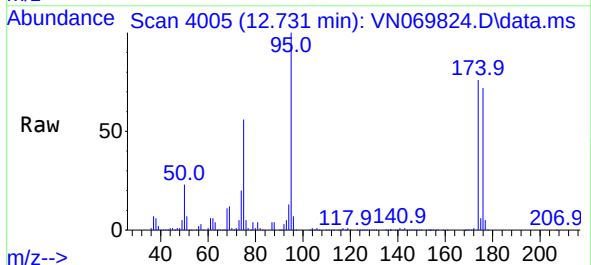
Instrument :
MSVOA_N
ClientSampleId :
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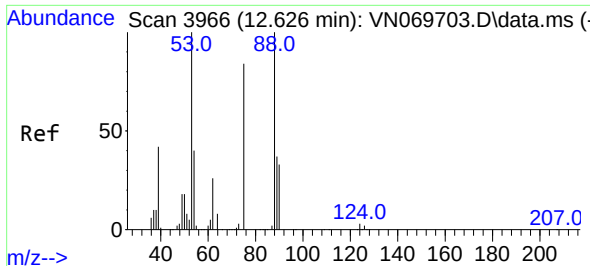
Tgt Ion:152 Resp: 945533
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 158.5 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.65 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

Tgt Ion: 75 Resp: 668404
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

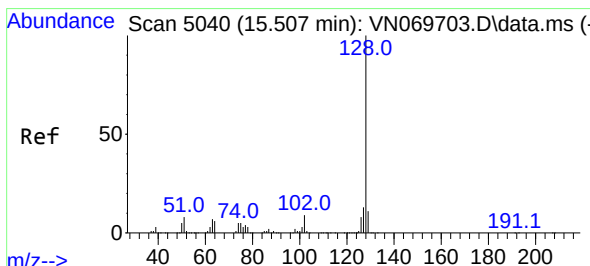
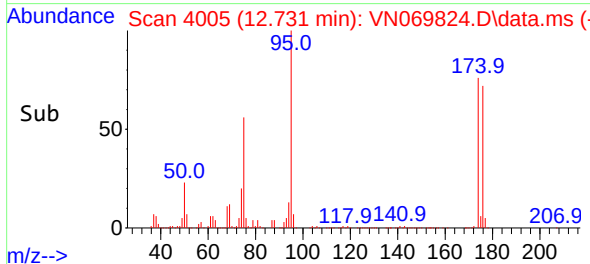
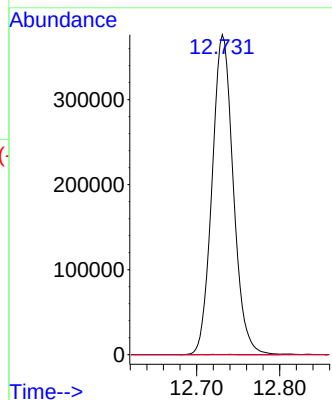
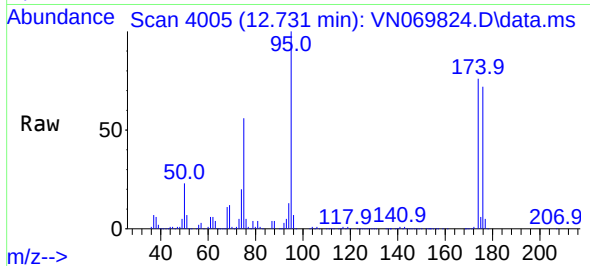




#81
trans-1,4-Dichloro-2-butene
Concen: 78.19 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

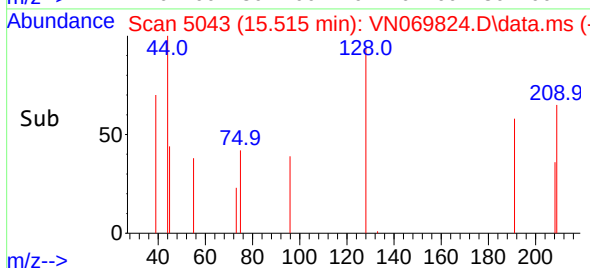
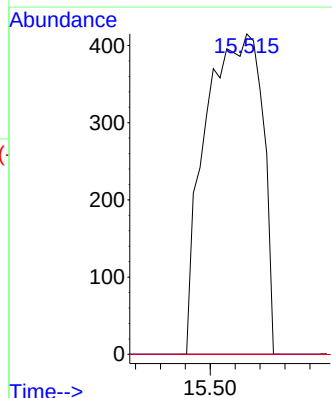
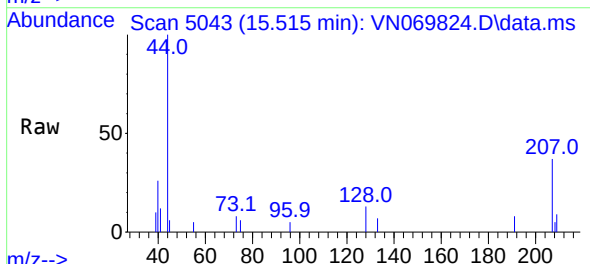
Instrument :
MSVOA_N
ClientSampleId :
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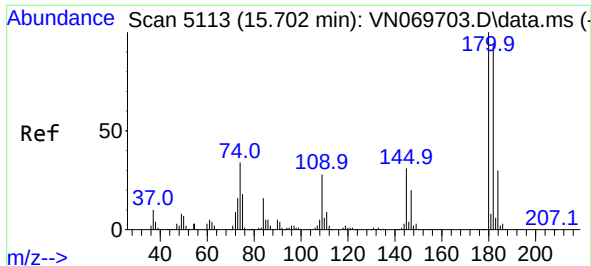
Tgt Ion: 75 Resp: 668404
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 4.00 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069824.D
Acq: 7 Dec 2021 19:14

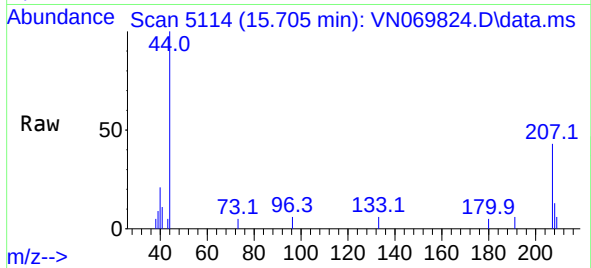
Tgt Ion: 128 Resp: 658
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.44 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN069824.D
 Acq: 7 Dec 2021 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW178I-20211206



Tgt Ion:180 Resp: 53
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 15.0 45.1#

