

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070272.D
 Acq On : 21 Dec 2021 17:09
 Operator : JC/MD
 Sample : M5039-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 20:11:51 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

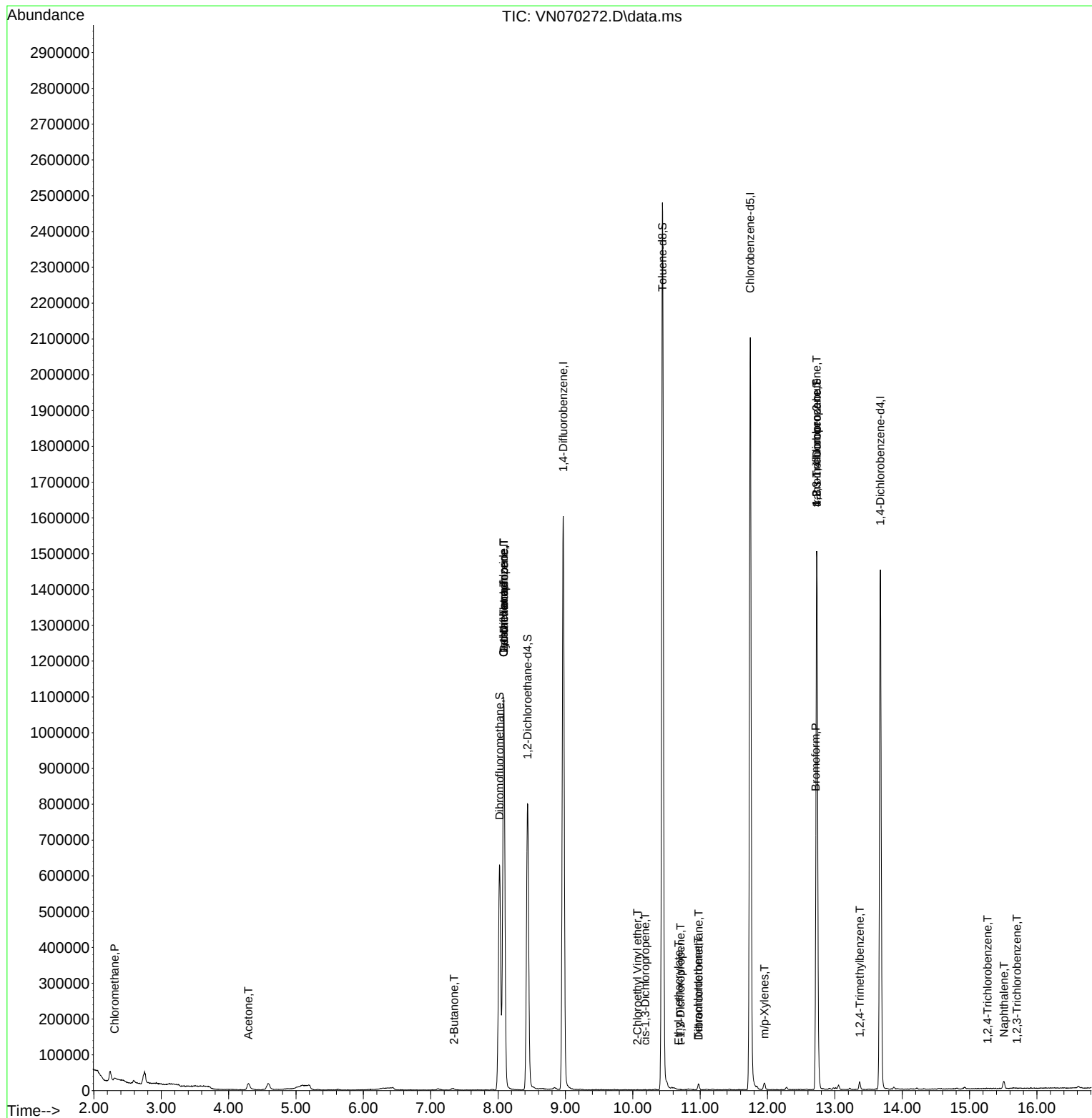
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	821277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1370610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1186420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	391933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	691282	54.515	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.040%
35) Dibromofluoromethane	8.021	113	454992	52.997	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.000%
50) Toluene-d8	10.440	98	1727439	50.111	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.220%
62) 4-Bromofluorobenzene	12.731	95	553187	44.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.600%
Target Compounds						Qvalue
3) Chloromethane	2.306	50	3968	0.331	ug/l	94
16) Acetone	4.293	43	30375	3.982	ug/l	93
25) 2-Butanone	7.348	43	2638	0.255	ug/l #	86
31) Cyclohexane	8.083	56	20136	1.141	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	67572	5.179	ug/l #	48
38) Carbon Tetrachloride	8.083	117	84189	6.580	ug/l #	16
53) t-1,3-Dichloropropene	10.709	75	103	2.800	ug/l #	70
54) cis-1,3-Dichloropropene	10.186	75	371	2.020	ug/l #	61
56) Ethyl methacrylate	10.682	69	52	2.282	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.068	63	429	18.468	ug/l #	45
60) Dibromochloromethane	10.979	129	3516	2.694	ug/l #	11
64) Tetrachloroethene	10.971	164	2143	0.266	ug/l #	56
68) m/p-Xylenes	11.956	106	6233	0.392	ug/l	95
71) Bromoform	12.717	173	627	2.813	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	299252	26.624	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	299252	84.122	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	12458	0.466	ug/l	97
93) 1,2,4-Trichlorobenzene	15.268	180	89	2.891	ug/l #	12
95) Naphthalene	15.512	128	20194	4.955	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.702	180	205	2.467	ug/l #	86

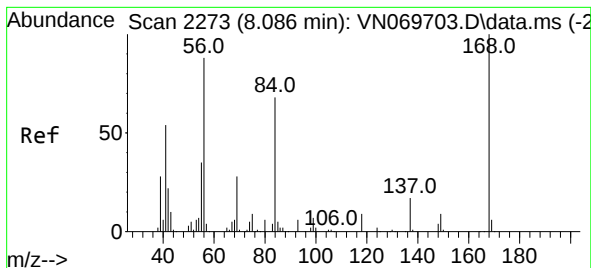
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN070272.D

Acq: 21 Dec 2021 17:09

Instrument :

MSVOA_N

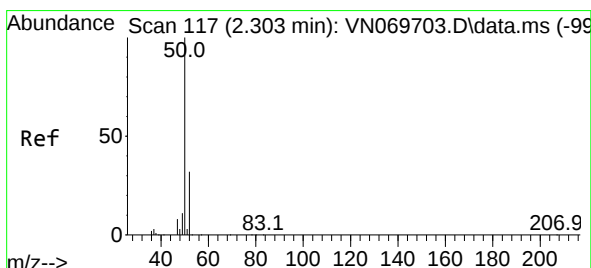
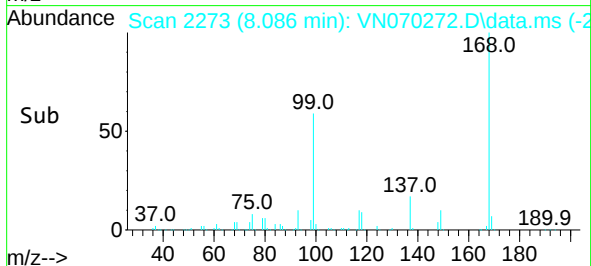
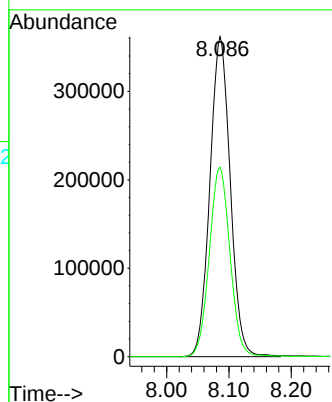
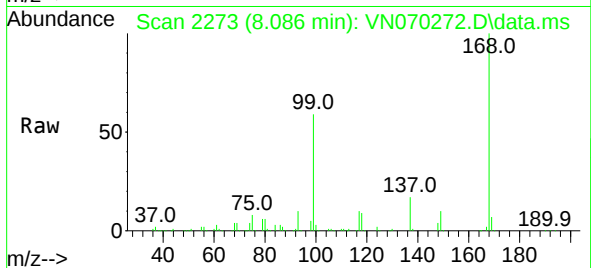
ClientSampleId :

Tgt Ion:168 Resp: 821277

Ion Ratio Lower Upper

168 100

99 59.2 41.3 61.9



#3

Chloromethane

Concen: 0.331 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.003 min

Lab File: VN070272.D

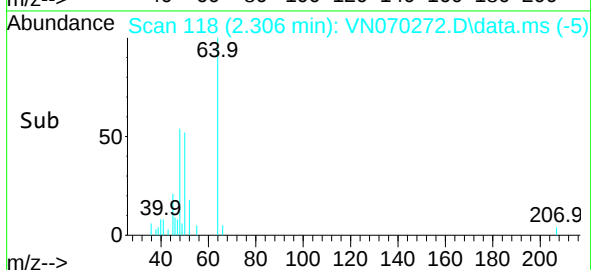
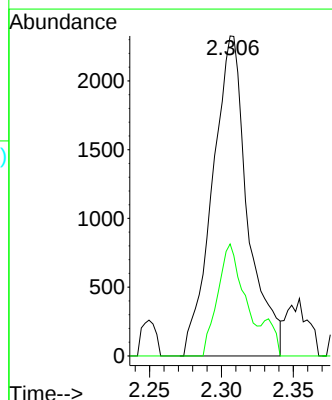
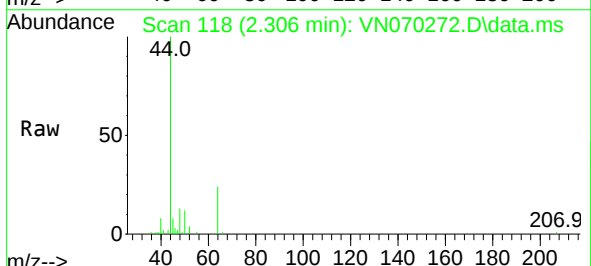
Acq: 21 Dec 2021 17:09

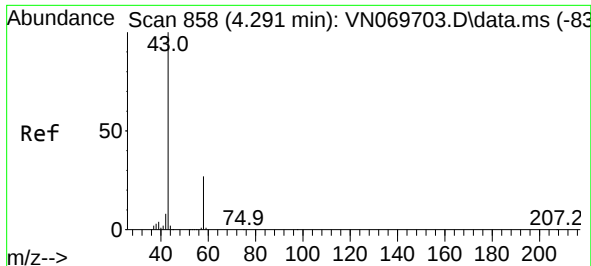
Tgt Ion: 50 Resp: 3968

Ion Ratio Lower Upper

50 100

52 35.0 25.4 38.0

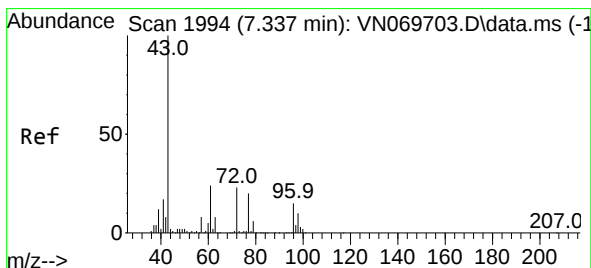
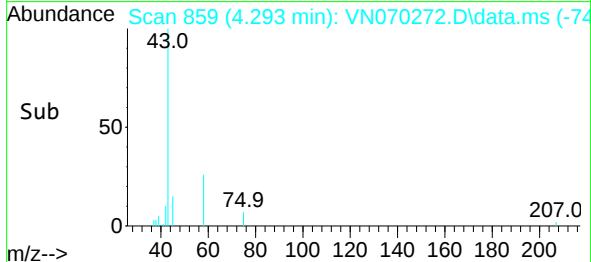
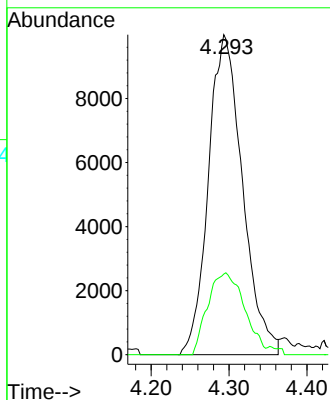
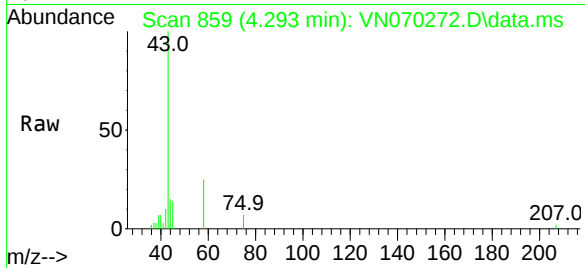




#16
Acetone
Concen: 3.982 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

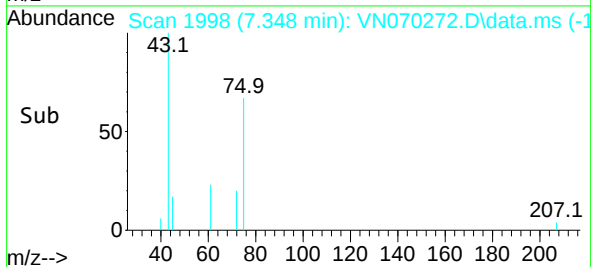
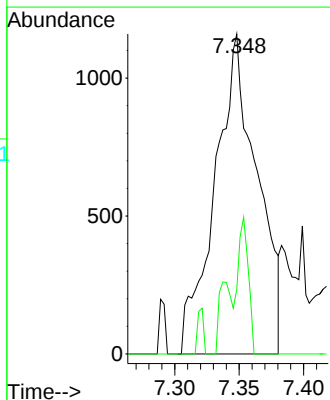
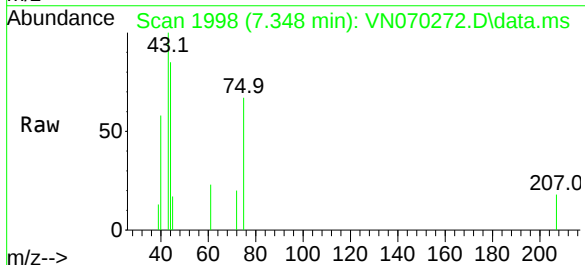
Instrument :
MSVOA_N
ClientSampleId :

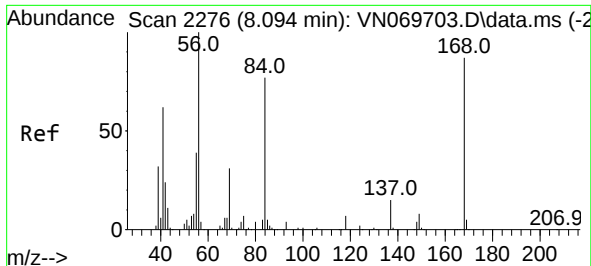
Tgt Ion: 43 Resp: 30375
Ion Ratio Lower Upper
43 100
58 25.2 23.1 34.7



#25
2-Butanone
Concen: 0.255 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

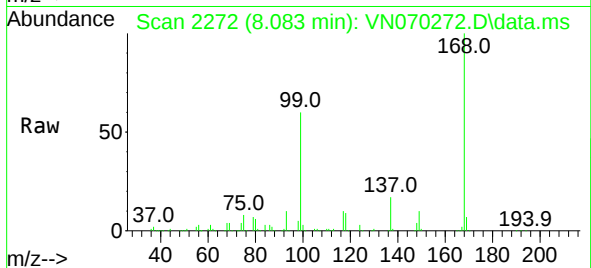
Tgt Ion: 43 Resp: 2638
Ion Ratio Lower Upper
43 100
72 20.1 21.7 32.5#



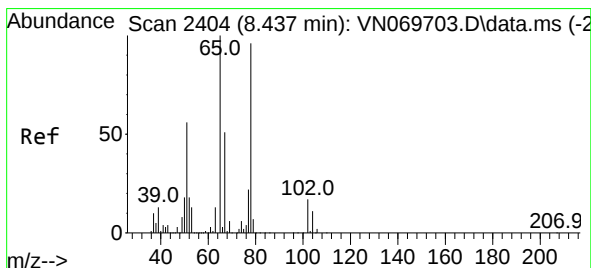
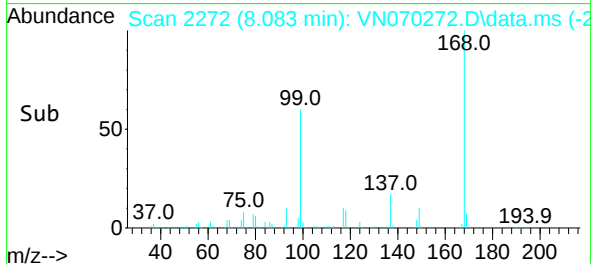
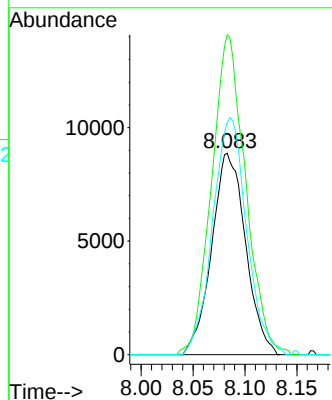


#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

Instrument :
MSVOA_N
ClientSampleId :

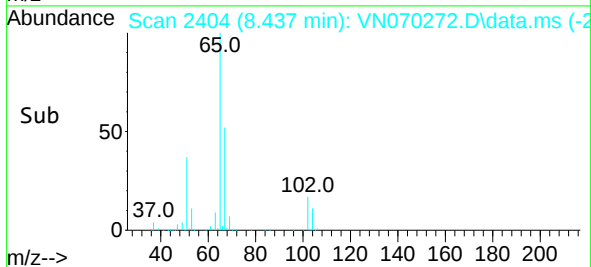
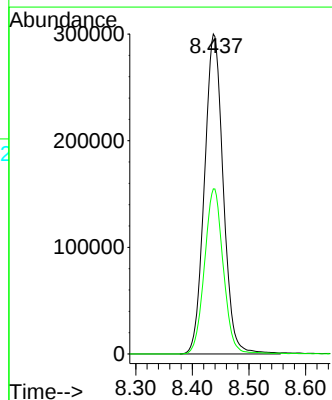
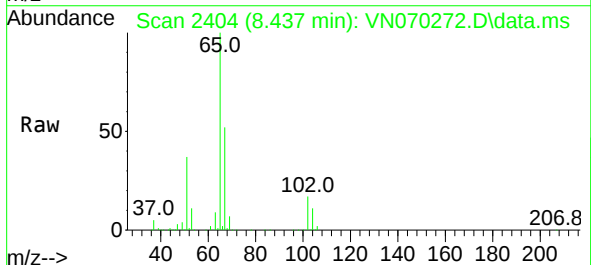


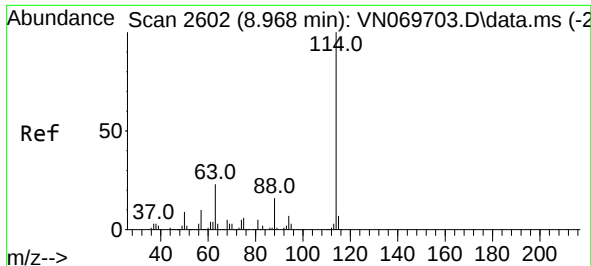
Tgt Ion: 56 Resp: 20136
Ion Ratio Lower Upper
56 100
69 156.6 27.1 40.7#
84 115.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.515 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

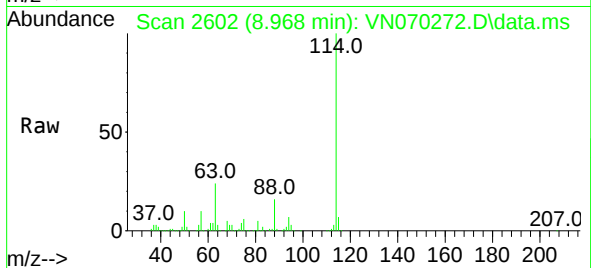
Tgt Ion: 65 Resp: 691282
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0



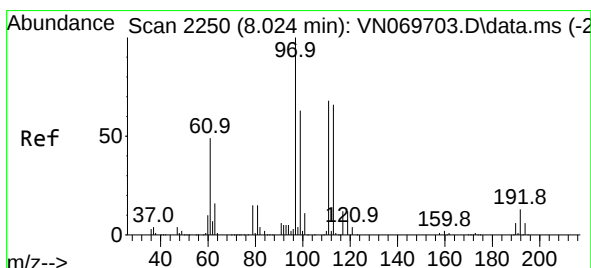
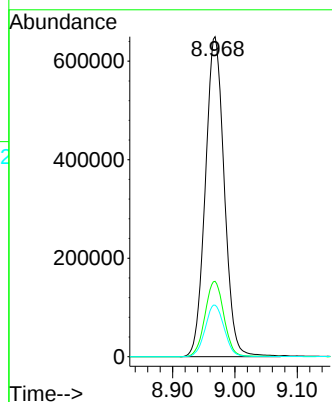
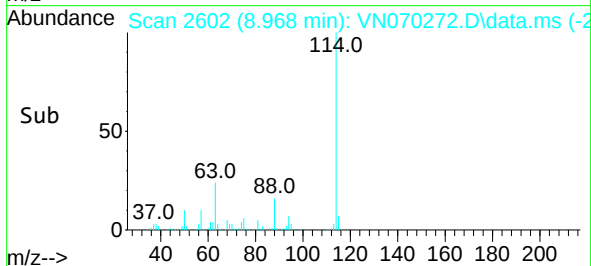


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

Instrument :
MSVOA_N
ClientSampleId :

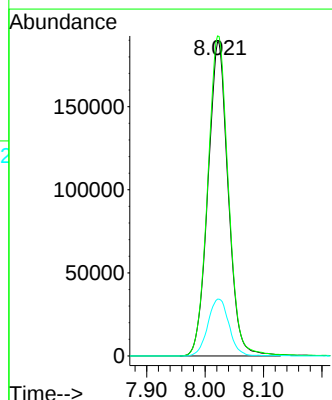
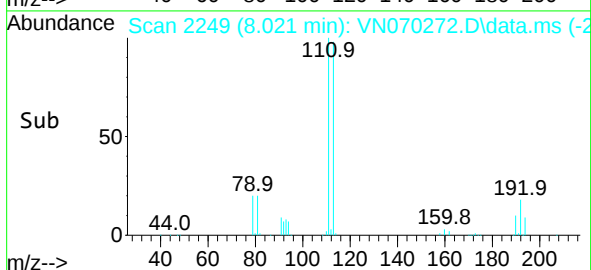
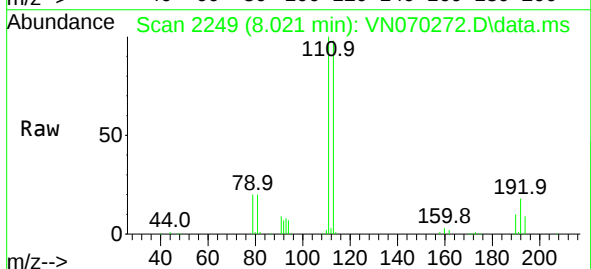


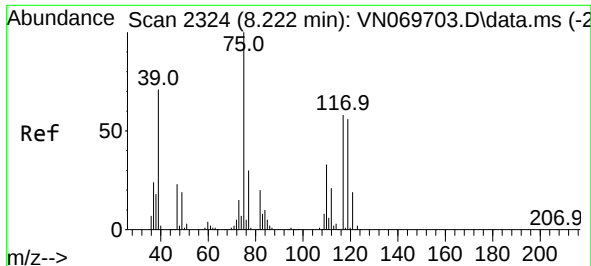
Tgt Ion:114 Resp: 1370610
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 52.997 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

Tgt Ion:113 Resp: 454992
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.2
192 18.9 16.9 25.3

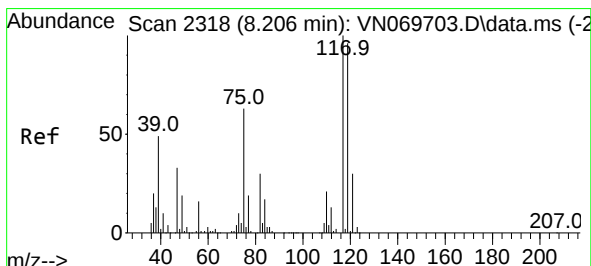
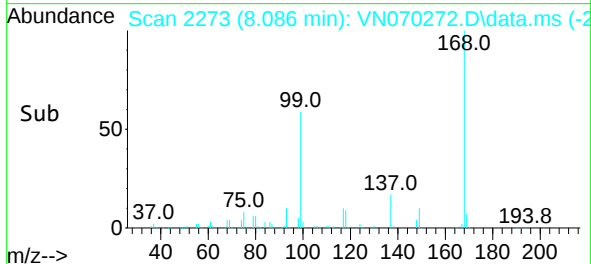
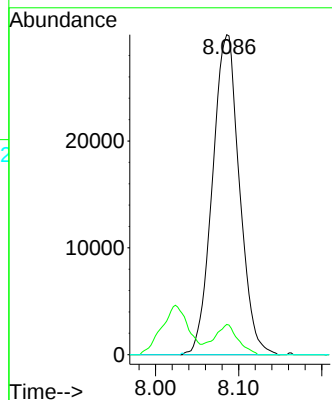
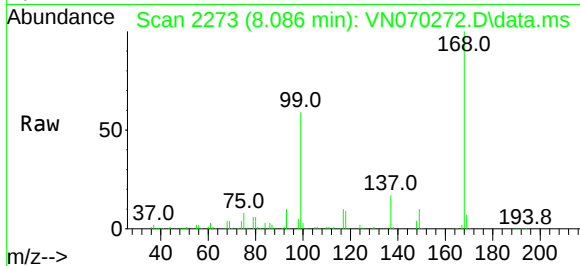




#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

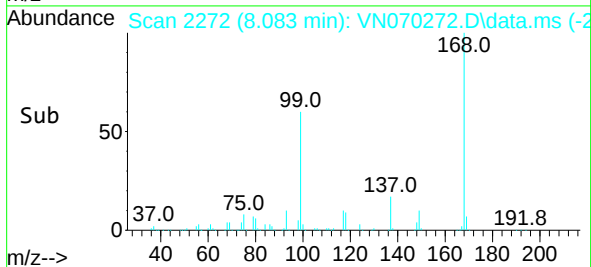
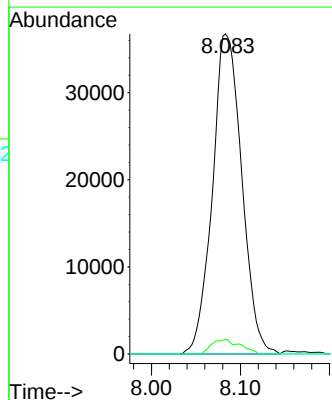
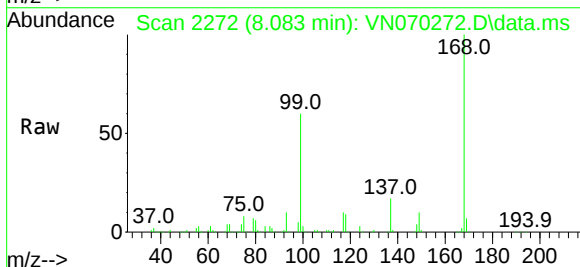
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MSVOA_N
ClientSampleId :

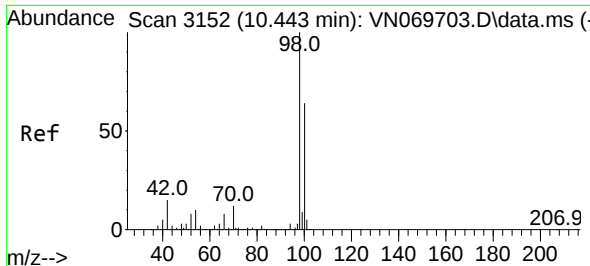
Tgt Ion: 75 Resp: 67572
Ion Ratio Lower Upper
75 100
110 7.6 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.580 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

Tgt Ion: 117 Resp: 84189
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#

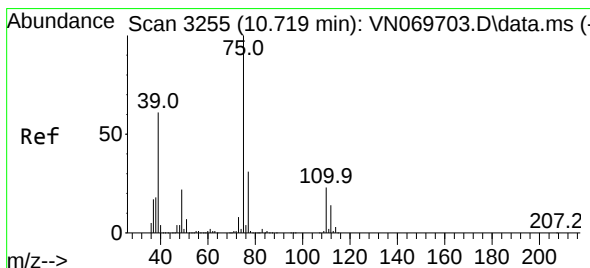
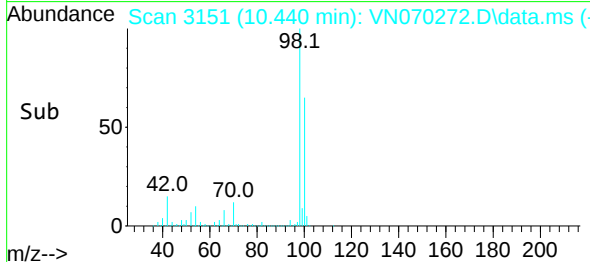
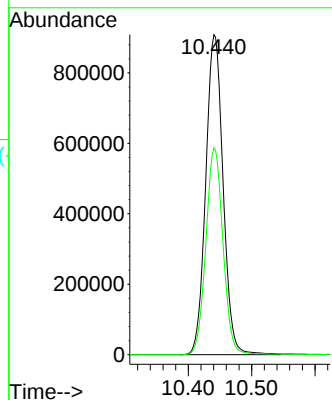
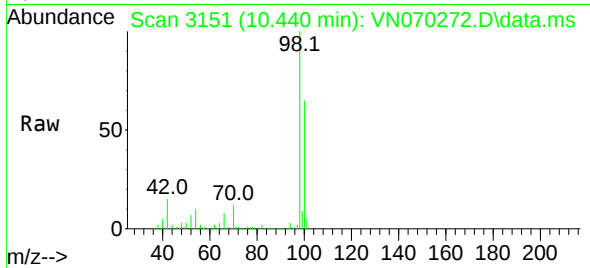




#50
Toluene-d8
Concen: 50.111 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

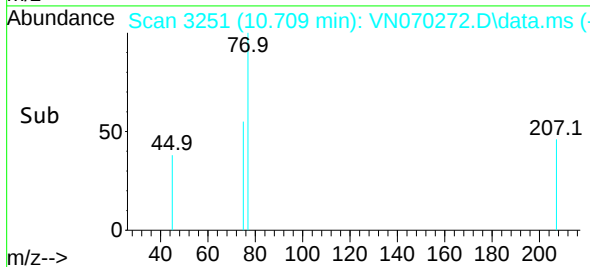
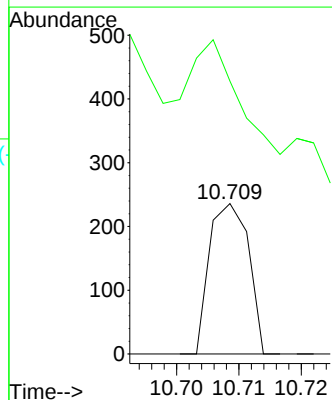
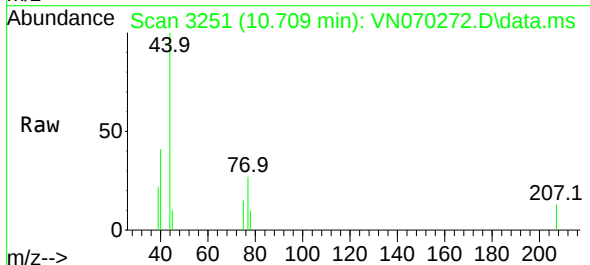
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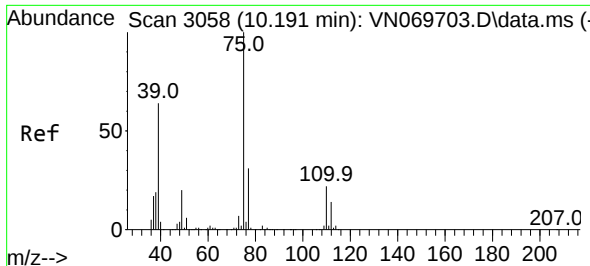
Tgt Ion: 98 Resp: 1727439
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.800 ug/l
RT: 10.709 min Scan# 3251
Delta R.T. -0.010 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

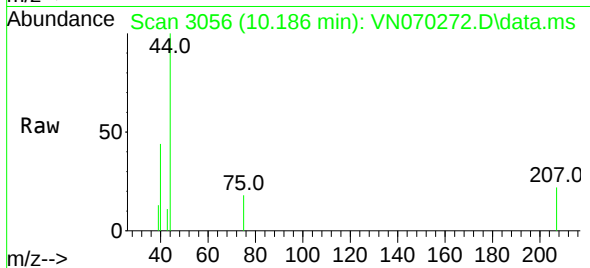
Tgt Ion: 75 Resp: 103
Ion Ratio Lower Upper
75 100
77 48.7 25.6 38.4#



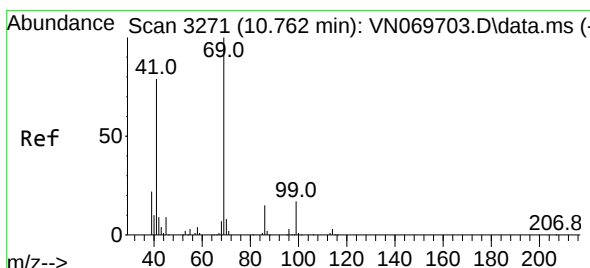
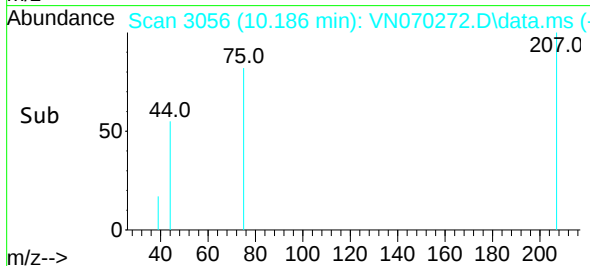
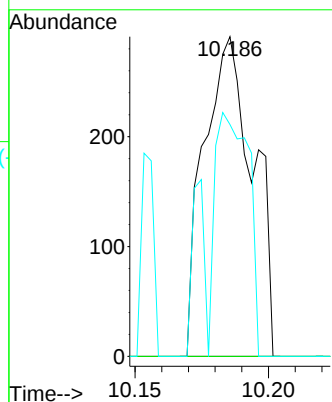


#54
 cis-1,3-Dichloropropene
 Concen: 2.020 ug/l
 RT: 10.186 min Scan# 3058
 Delta R.T. -0.005 min
 Lab File: VN070272.D
 Acq: 21 Dec 2021 17:09

Instrument :
 MSVOA_N
 ClientSampleId :

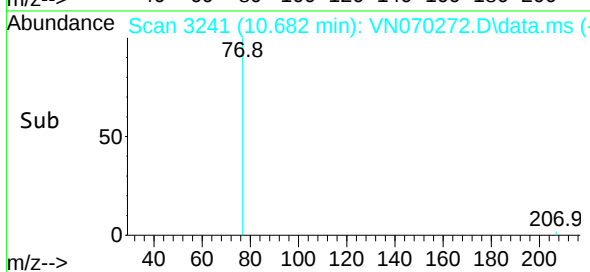
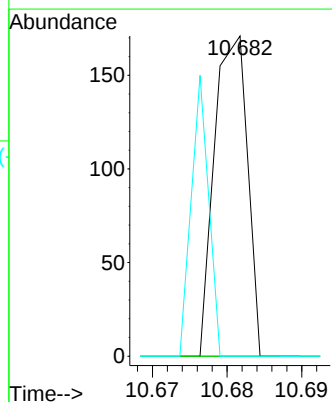
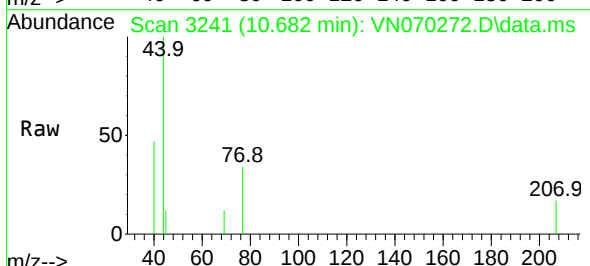


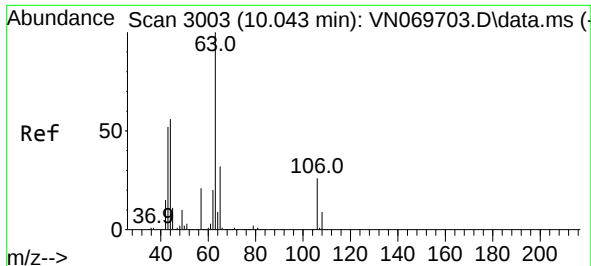
Tgt Ion: 75 Resp: 371
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 72.5 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.282 ug/l
 RT: 10.682 min Scan# 3241
 Delta R.T. -0.080 min
 Lab File: VN070272.D
 Acq: 21 Dec 2021 17:09

Tgt Ion: 69 Resp: 52
 Ion Ratio Lower Upper
 69 100
 41 94.2 51.4 77.0#
 39 207.7 34.6 52.0#

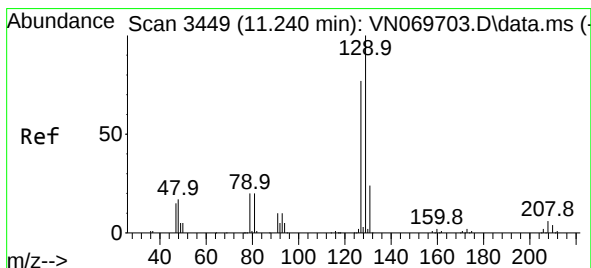
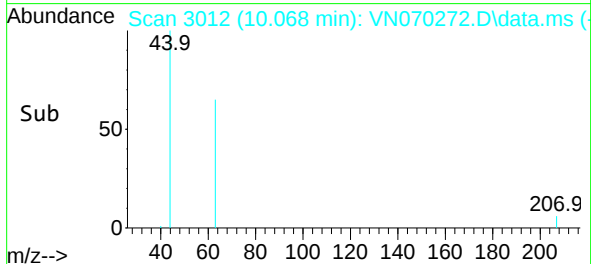
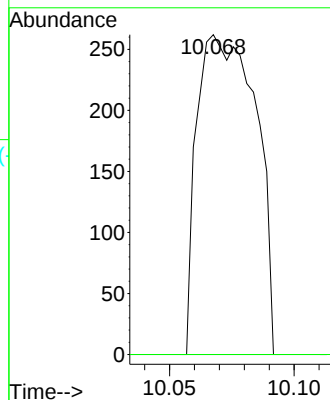
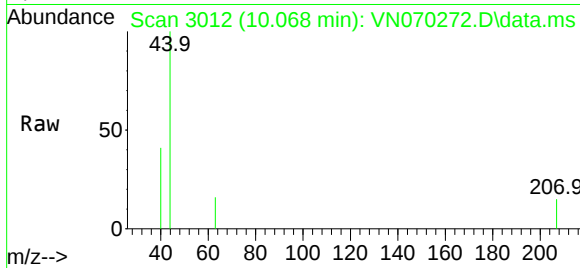




#58
2-Chloroethyl Vinyl ether
Concen: 18.468 ug/l
RT: 10.068 min Scan# 3003
Delta R.T. 0.025 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

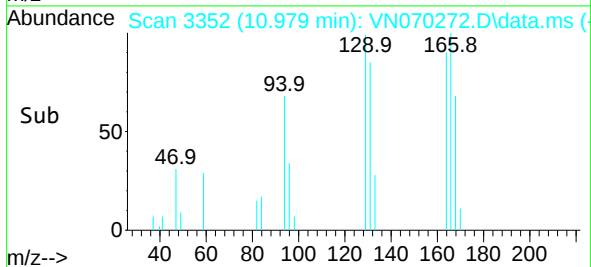
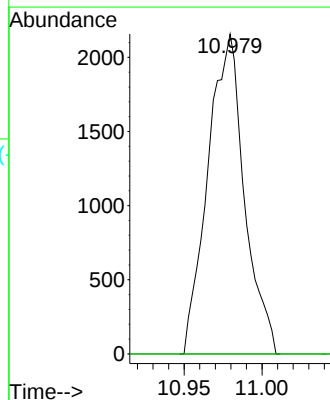
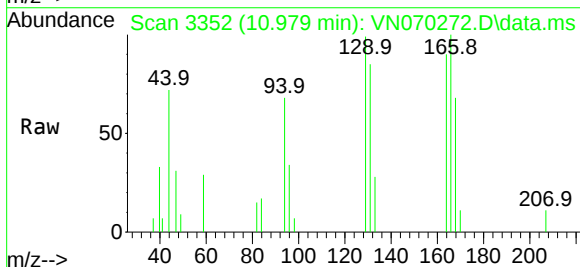
Instrument :
MSVOA_N
ClientSampleId :

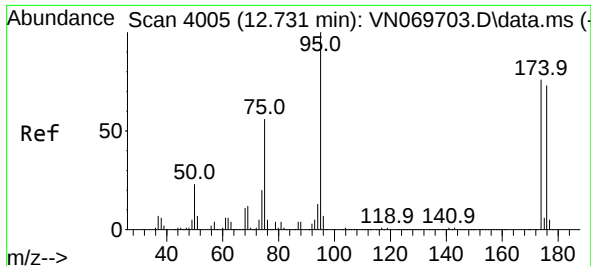
Tgt Ion: 63 Resp: 429
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.694 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

Tgt Ion:129 Resp: 3516
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

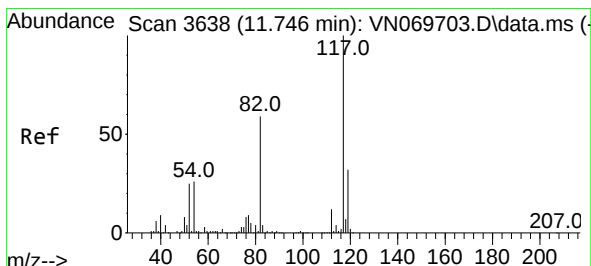
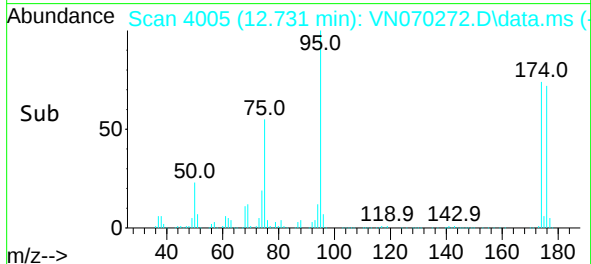
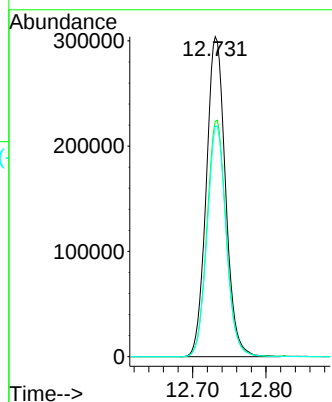
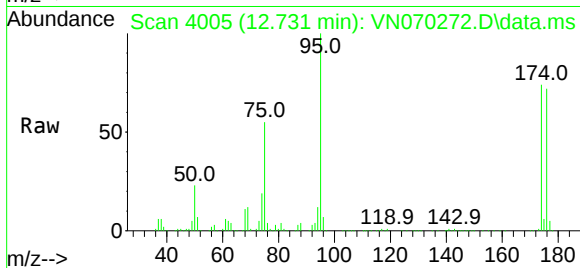




#62
4-Bromofluorobenzene
Concen: 44.295 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

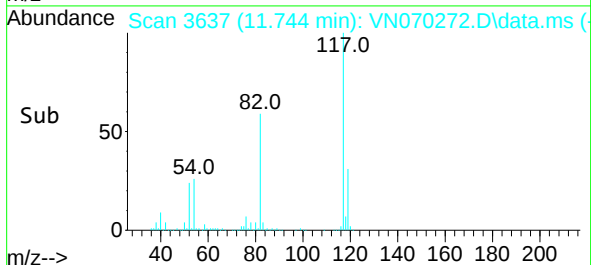
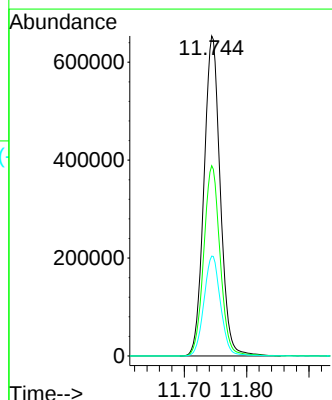
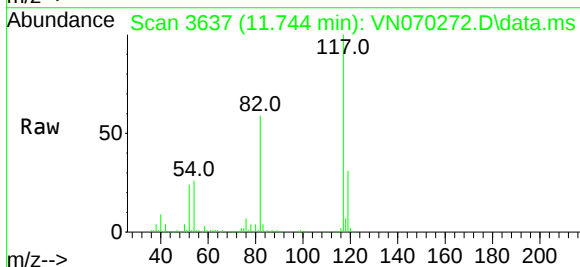
Instrument :
MSVOA_N
ClientSampleId :

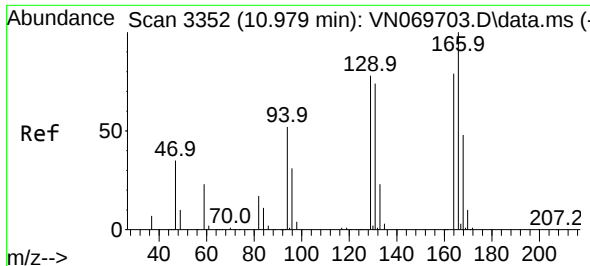
Tgt Ion: 95 Resp: 553187
Ion Ratio Lower Upper
95 100
174 73.9 0.0 187.2
176 71.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

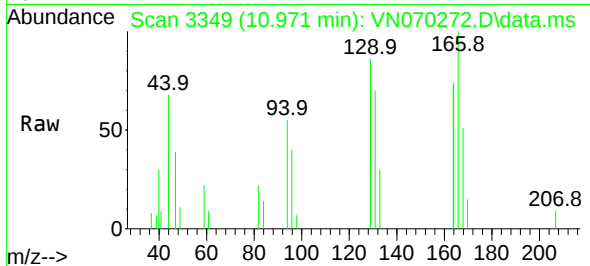
Tgt Ion: 117 Resp: 1186420
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 31.2 25.4 38.2



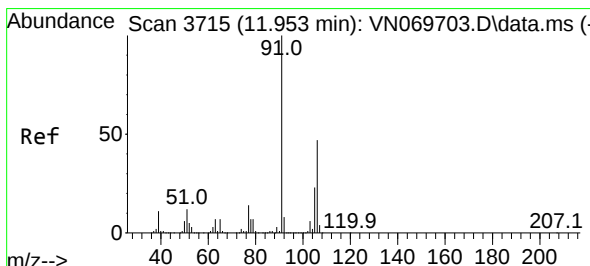
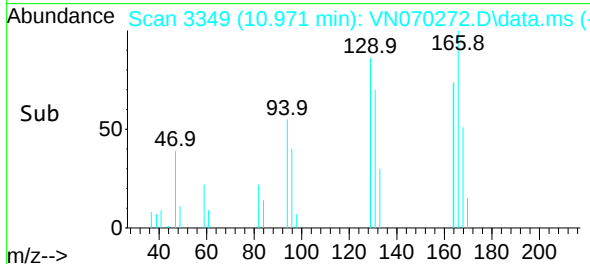
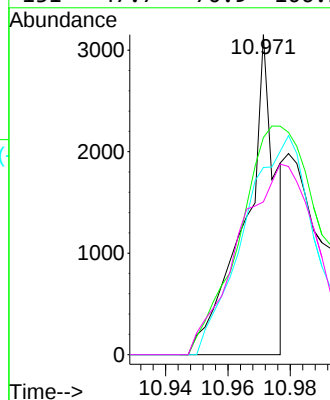


#64
Tetrachloroethene
Concen: 0.266 ug/l
RT: 10.971 min Scan# 311
Delta R.T. -0.008 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

Instrument :
MSVOA_N
ClientSampleId :

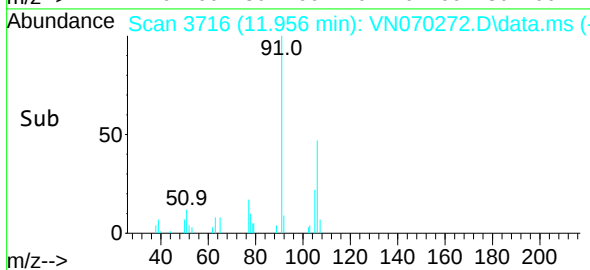
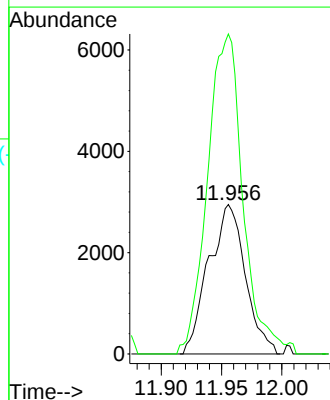
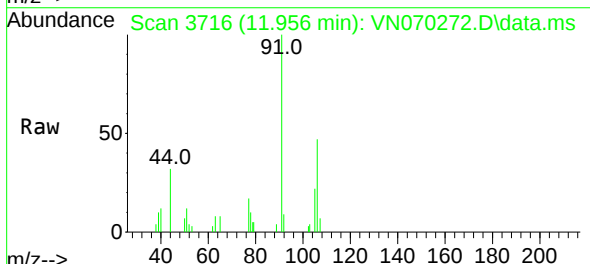


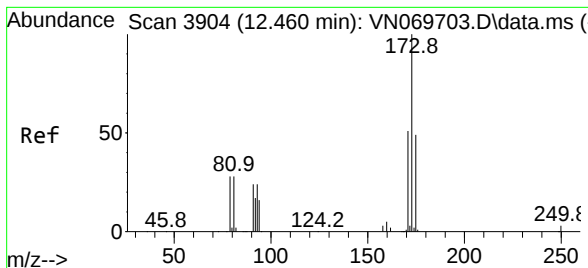
Tgt Ion:164 Resp: 2143
Ion Ratio Lower Upper
164 100
166 67.9 101.9 152.9#
129 58.5 72.0 108.0#
131 47.7 70.9 106.3#



#68
m/p-Xylenes
Concen: 0.392 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

Tgt Ion:106 Resp: 6233
Ion Ratio Lower Upper
106 100
91 207.5 160.6 240.8





#71

Bromoform

Concen: 2.813 ug/l

RT: 12.717 min Scan# 4000

Delta R.T. 0.257 min

Lab File: VN070272.D

Acq: 21 Dec 2021 17:09

Instrument :

MSVOA_N

ClientSampleId :

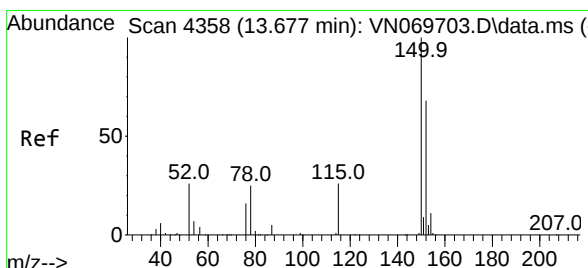
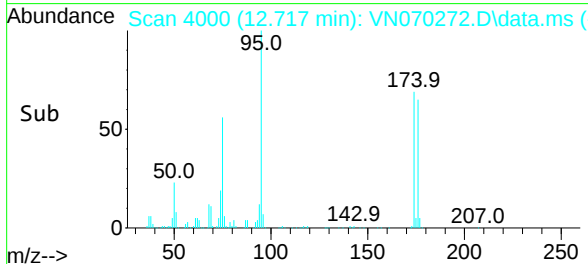
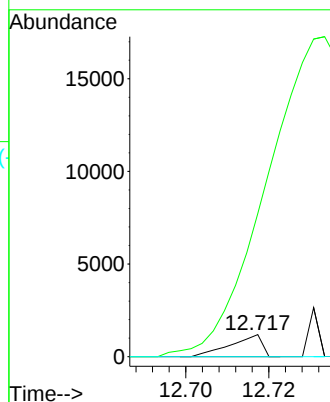
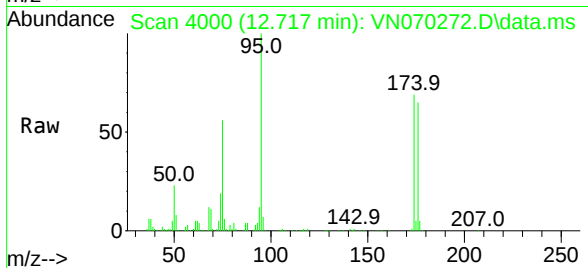
Tgt Ion:173 Resp: 627

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: VN070272.D

Acq: 21 Dec 2021 17:09

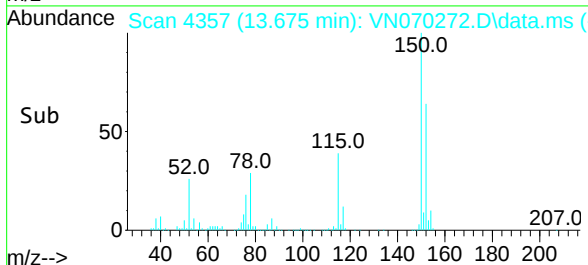
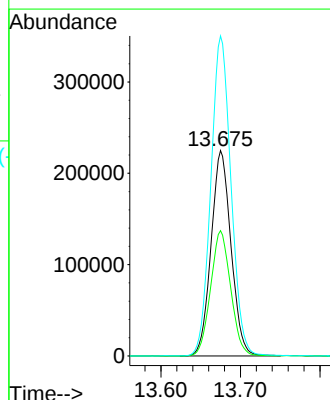
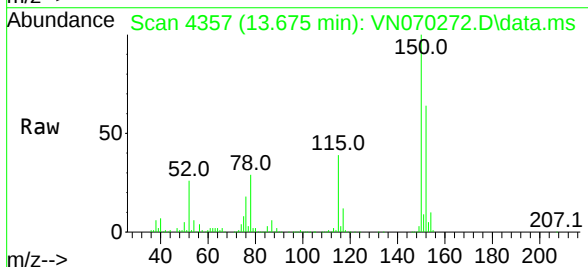
Tgt Ion:152 Resp: 391933

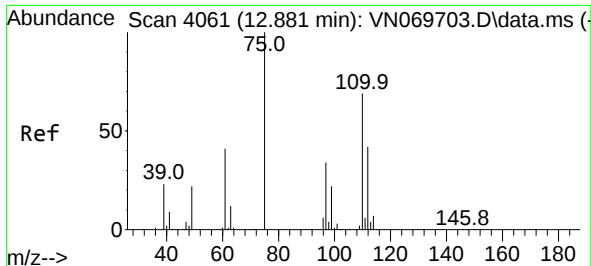
Ion Ratio Lower Upper

152 100

115 61.5 27.5 82.5

150 157.3 0.0 344.4

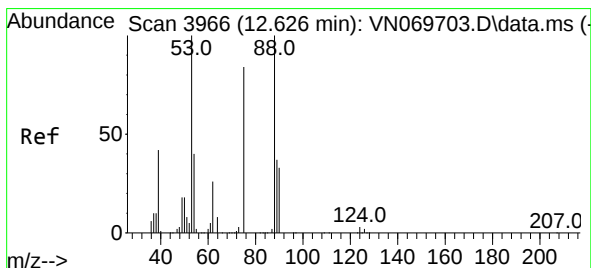
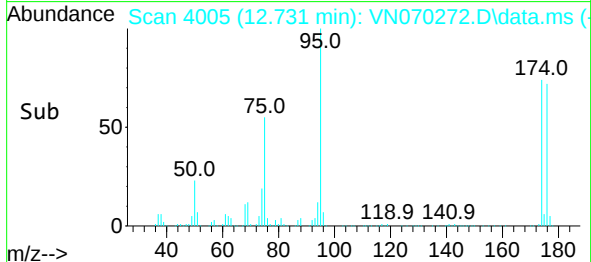
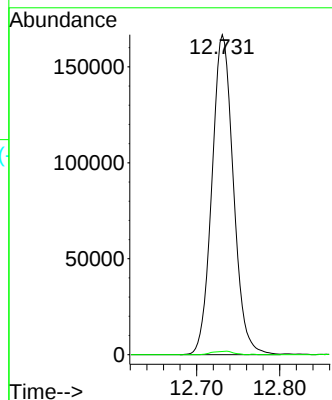
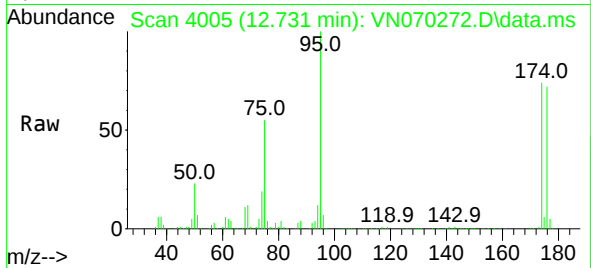




#76
1,2,3-Trichloropropane
Concen: 26.624 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

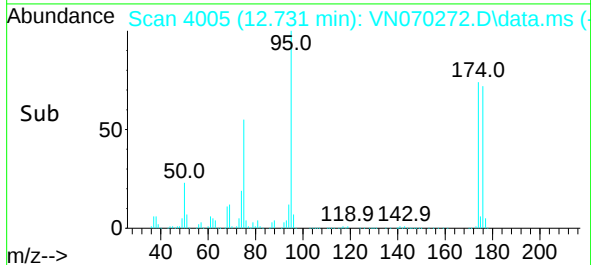
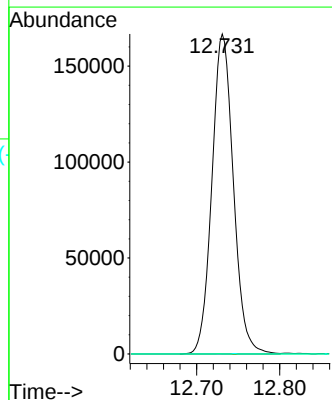
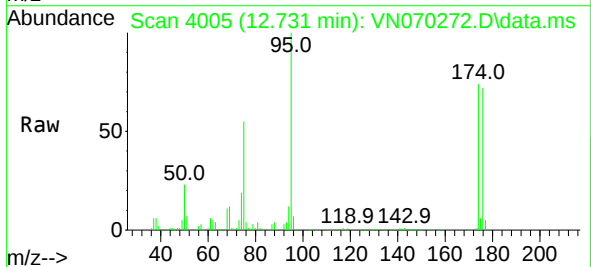
Instrument :
MSVOA_N
ClientSampleId :

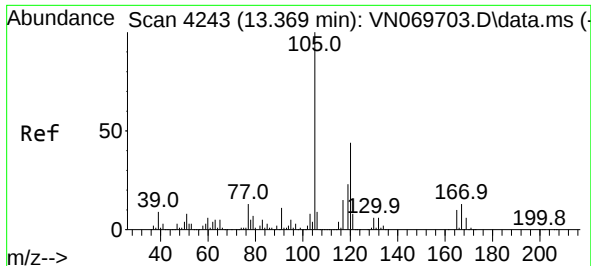
Tgt Ion: 75 Resp: 299252
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.122 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070272.D
Acq: 21 Dec 2021 17:09

Tgt Ion: 75 Resp: 299252
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

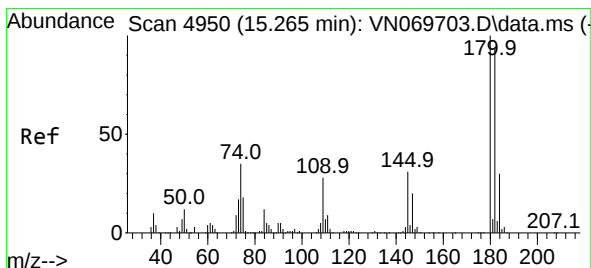
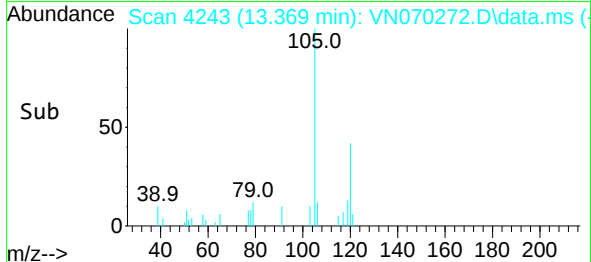
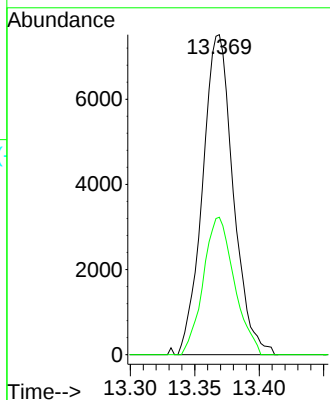
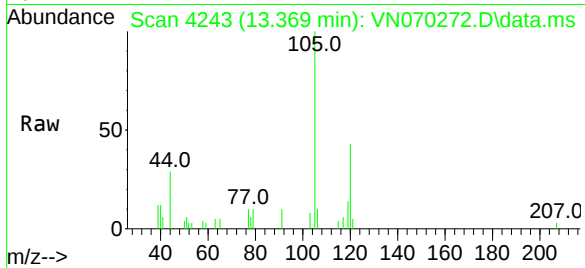




#84
 1,2,4-Trimethylbenzene
 Concen: 0.466 ug/l
 RT: 13.369 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070272.D
 Acq: 21 Dec 2021 17:09

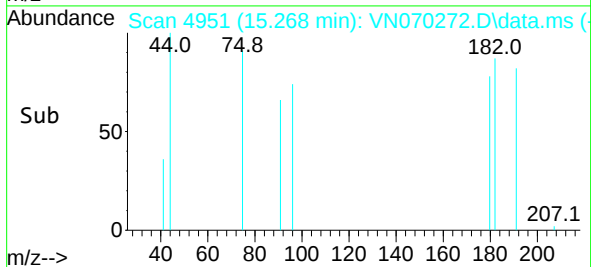
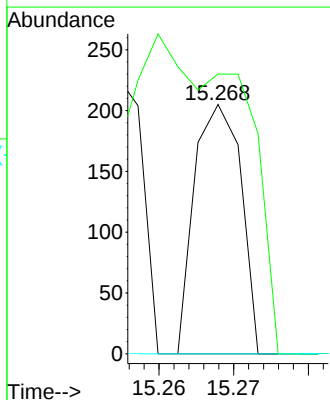
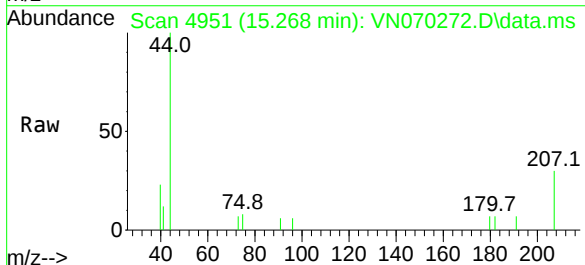
Instrument :
 MSVOA_N
 ClientSampleId :

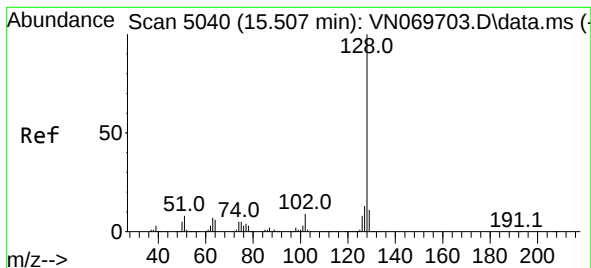
Tgt Ion:105 Resp: 12458
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.8 68.4



#93
 1,2,4-Trichlorobenzene
 Concen: 2.891 ug/l
 RT: 15.268 min Scan# 4951
 Delta R.T. 0.003 min
 Lab File: VN070272.D
 Acq: 21 Dec 2021 17:09

Tgt Ion:180 Resp: 89
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.3 144.9#
 145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.955 ug/l

RT: 15.512 min Scan# 5040

Delta R.T. 0.005 min

Lab File: VN070272.D

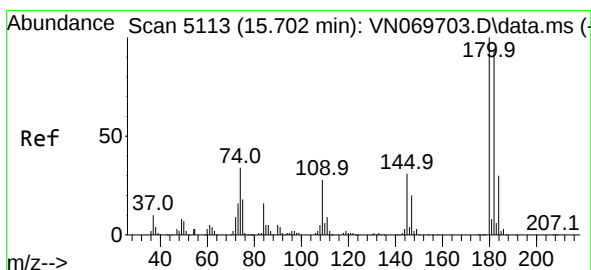
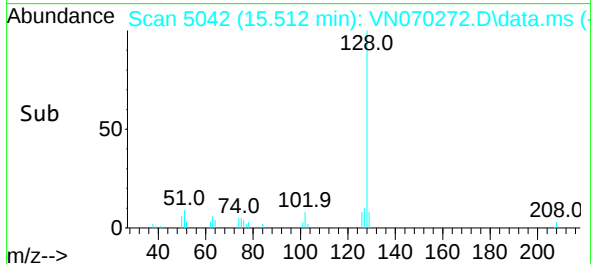
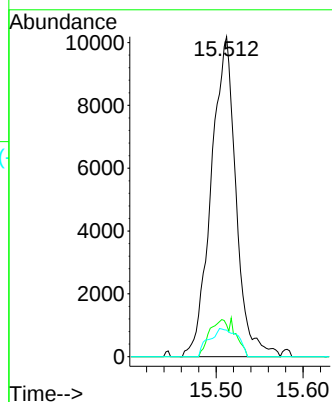
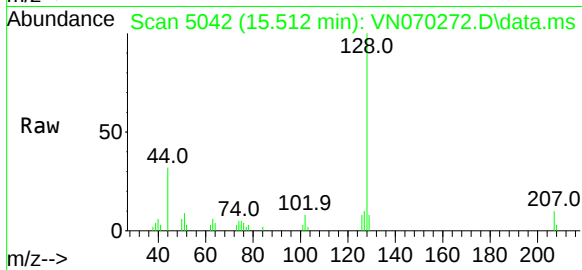
Acq: 21 Dec 2021 17:09

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	20194
Ion Ratio	Lower	Upper
128	100	
127	8.6	10.5 15.7#
129	10.1	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.467 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.000 min

Lab File: VN070272.D

Acq: 21 Dec 2021 17:09

Tgt Ion:180	Resp:	205
Ion Ratio	Lower	Upper
180	100	
182	95.1	47.4 142.2
145	0.0	15.0 45.1#

