

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092021\
 Data File : VN068570.D
 Acq On : 20 Sep 2021 21:42
 Operator : JC/MD
 Sample : M3781-14DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE115D2-20210916DL

Quant Time: Sep 21 07:30:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

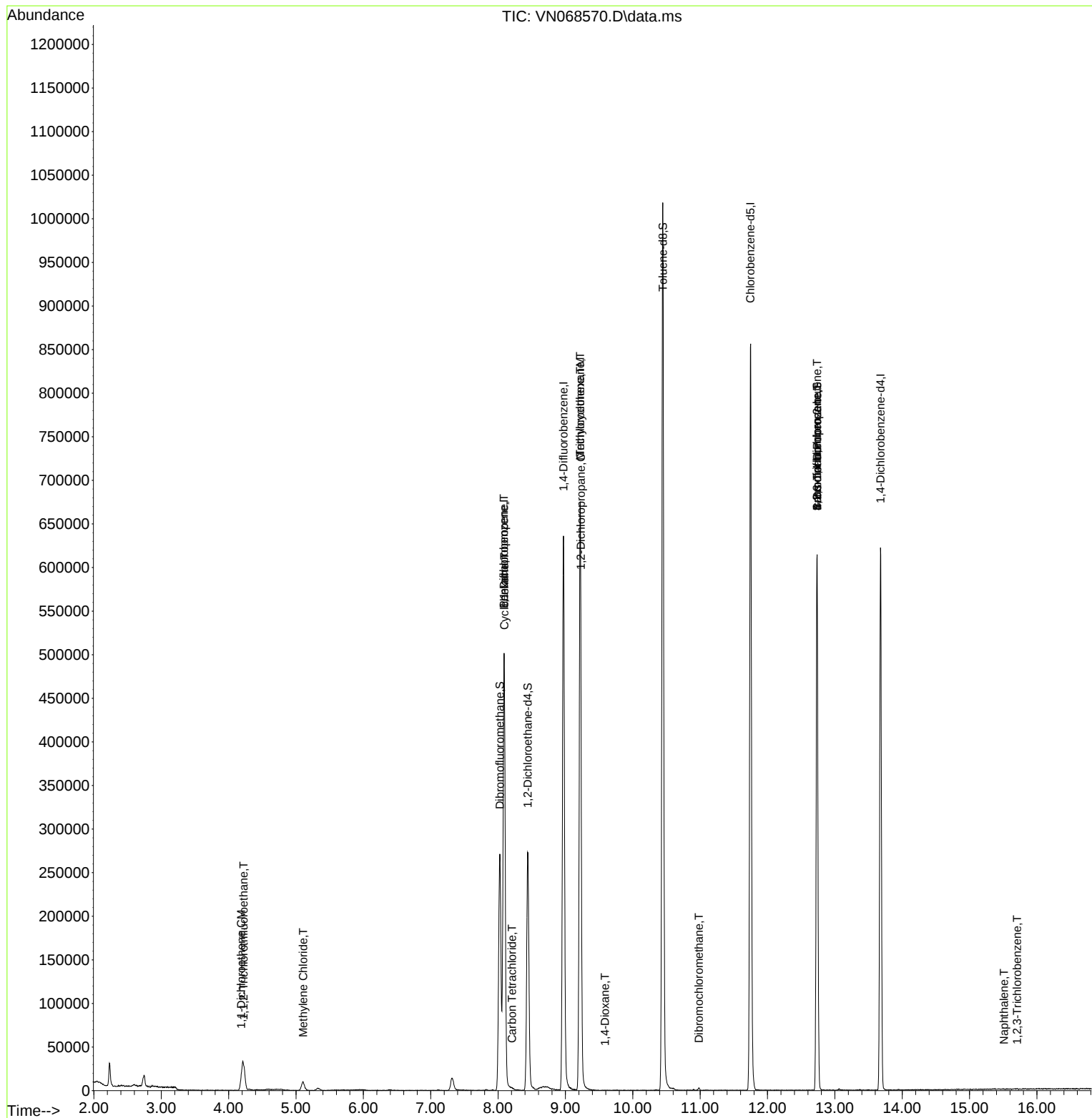
Internal Standards						
1) Pentafluorobenzene	8.088	168	411658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	604679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	539924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	179794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	232352	61.532	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 123.060%			
35) Dibromofluoromethane	8.027	113	203136	55.699	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 111.400%			
50) Toluene-d8	10.446	98	769298	51.330	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.736	95	209968	43.202	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	556	Below Cal	#	42
5) Bromomethane	2.808	94	49	Below Cal	#	3
9) 1,1,2-Trichlorotrifluo...	4.221	101	18891	5.347	ug/l #	88
11) Tert butyl alcohol	5.377	59	58	Below Cal	#	84
12) 1,1-Dichloroethene	4.189	96	3987	1.233	ug/l	94
16) Acetone	4.310	43	1293	Below Cal		97
18) Methyl Acetate	4.849	43	184	Below Cal	#	45
20) Methylene Chloride	5.106	84	8338	1.014	ug/l	95
31) Cyclohexane	8.094	56	6779	1.185	ug/l #	6
36) 1,1-Dichloropropene	8.088	75	27899	5.534	ug/l #	48
38) Carbon Tetrachloride	8.206	117	1450	0.240	ug/l #	77
39) Methylcyclohexane	9.218	83	2924	0.458	ug/l #	1
44) Trichloroethene	9.220	130	259479	54.920	ug/l	93
45) 1,2-Dichloropropane	9.228	63	752	0.211	ug/l #	1
49) 1,4-Dioxane	9.588	88	25	0.386	ug/l #	30
60) Dibromochloromethane	10.982	129	542	1.900	ug/l #	11
71) Bromoform	12.736	173	1307	2.828	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	109171	44.024	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	109171	134.567	ug/l #	13
95) Naphthalene	15.509	128	402	3.549	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	24	2.981	ug/l #	12

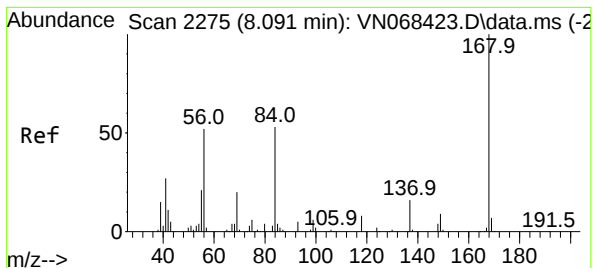
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.003 min

Lab File: VN068570.D

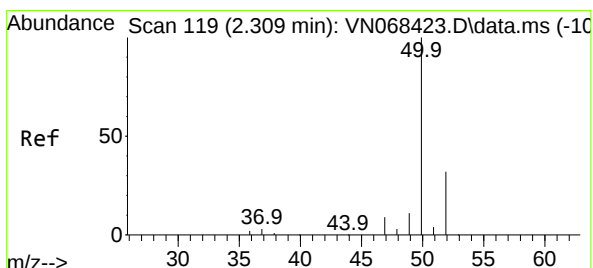
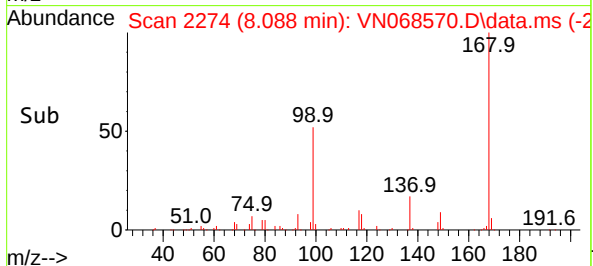
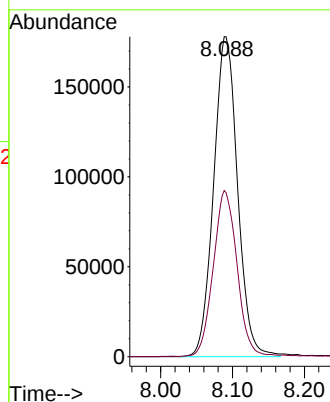
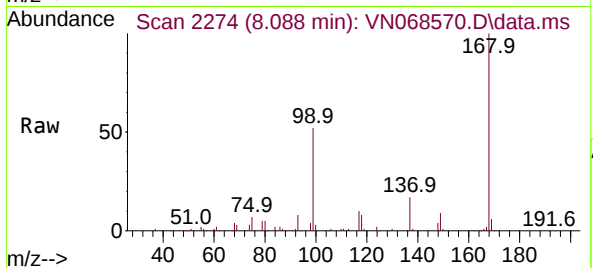
Acq: 20 Sep 2021 21:42

Tgt Ion:168 Resp: 411658

Ion Ratio Lower Upper

168 100

99 51.8 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.306 min Scan# 118

Delta R.T. -0.003 min

Lab File: VN068570.D

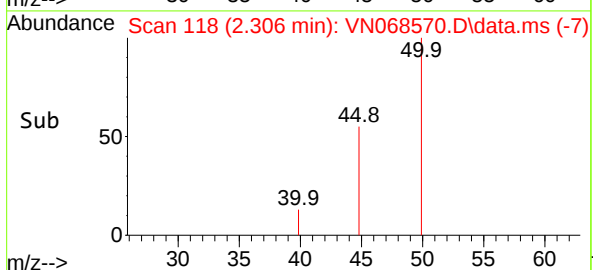
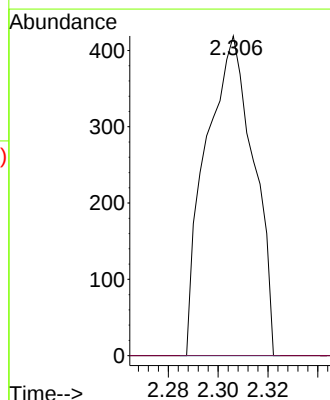
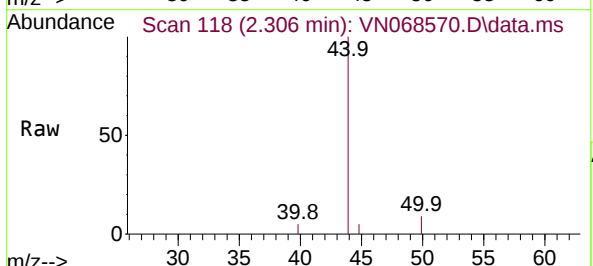
Acq: 20 Sep 2021 21:42

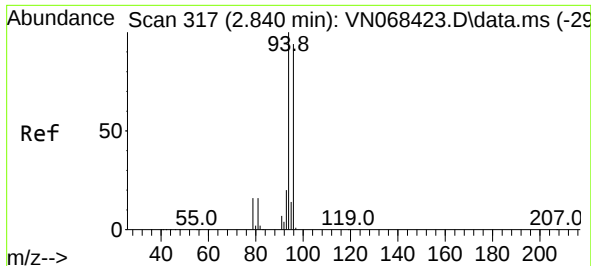
Tgt Ion: 50 Resp: 556

Ion Ratio Lower Upper

50 100

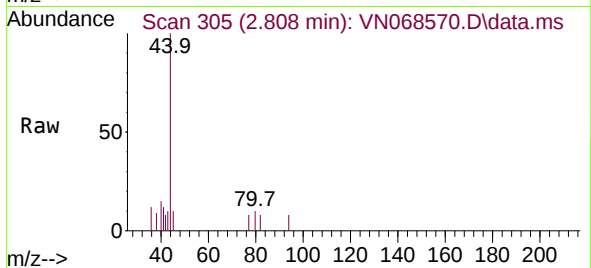
52 0.0 25.8 38.6#



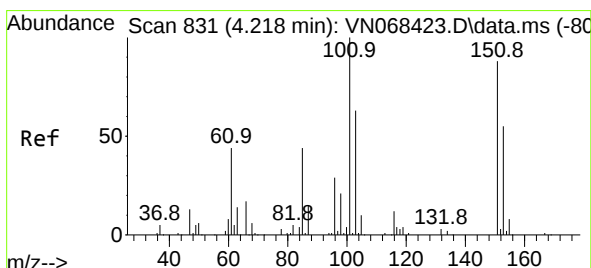
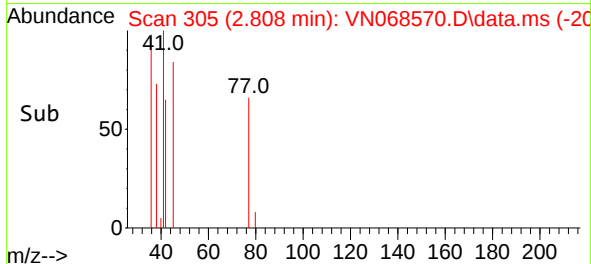
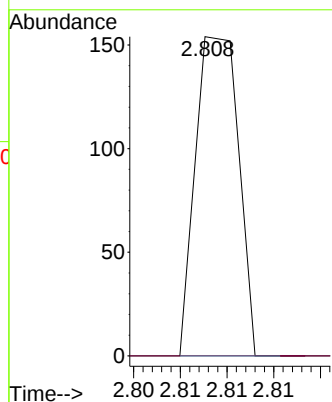


#5
Bromomethane
Concen: Below Cal
RT: 2.808 min Scan# 305
Delta R.T. -0.032 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

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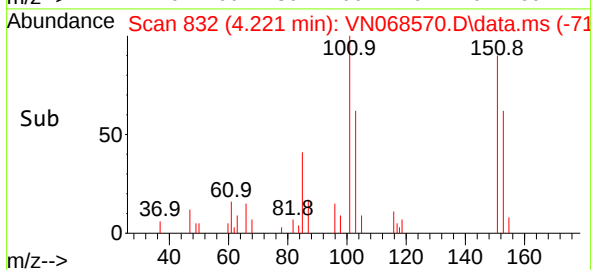
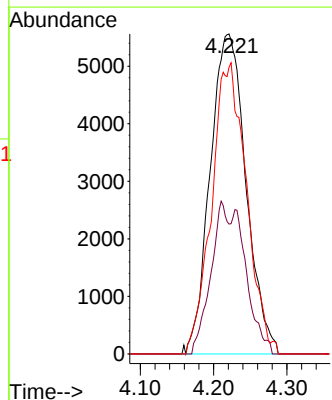
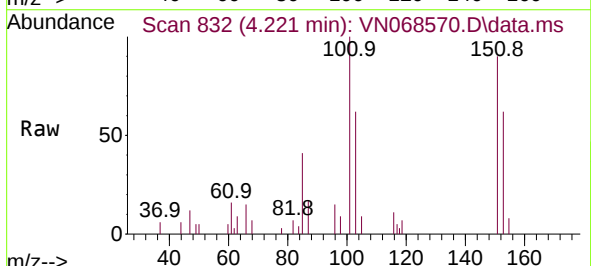


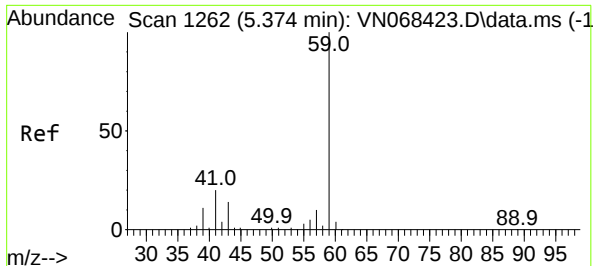
Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.347 ug/l
RT: 4.221 min Scan# 832
Delta R.T. 0.003 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion:101 Resp: 18891
Ion Ratio Lower Upper
101 100
85 23.5 35.7 53.5#
151 87.5 71.6 107.4



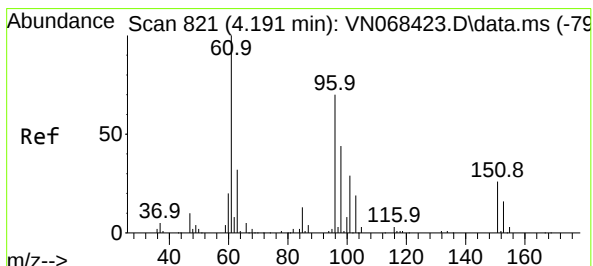
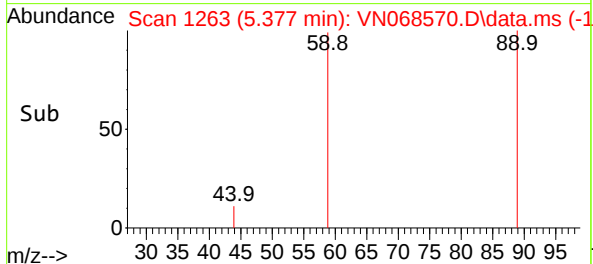
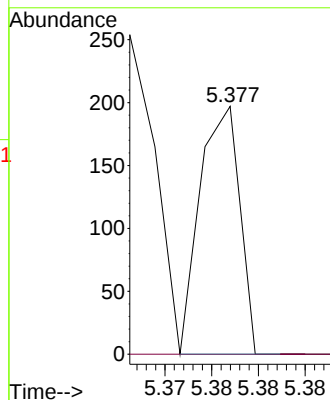
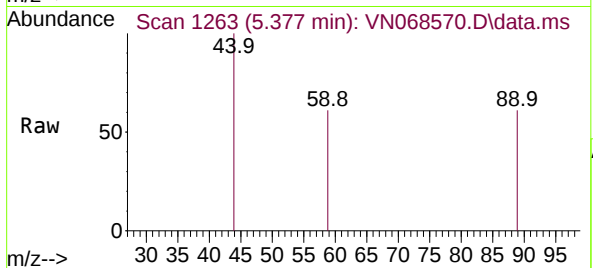


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.377 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Instrument :
MSVOA_N
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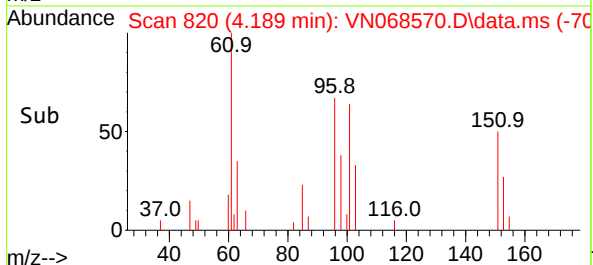
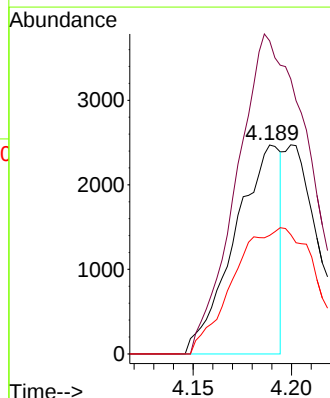
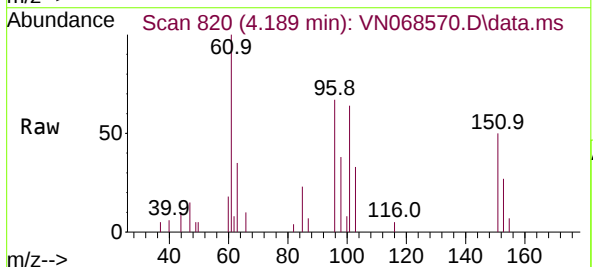
Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

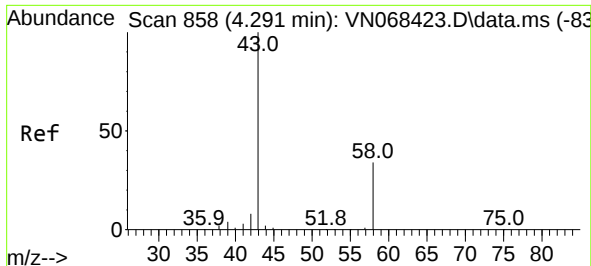


#12

1,1-Dichloroethene
Concen: 1.233 ug/l
RT: 4.189 min Scan# 820
Delta R.T. -0.002 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion: 96 Resp: 3987
Ion Ratio Lower Upper
96 100
61 149.9 114.7 172.1
98 56.7 50.9 76.3

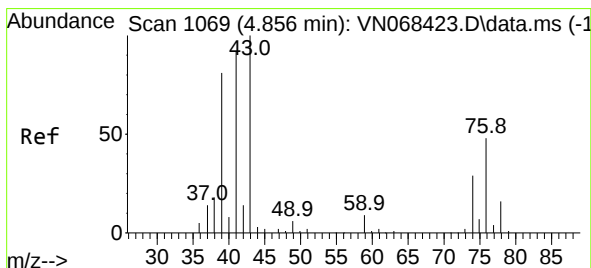
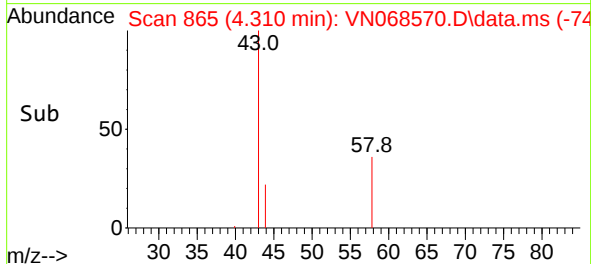
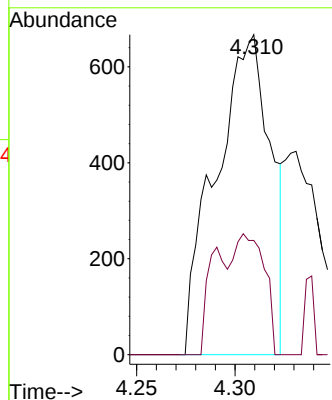
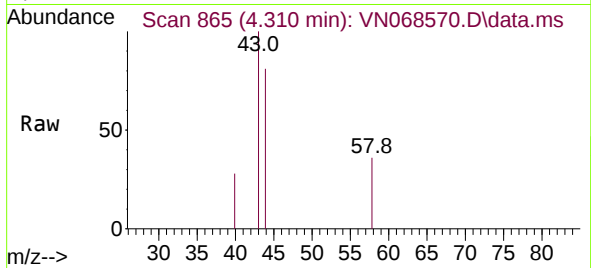




#16
Acetone
Concen: Below Cal
RT: 4.310 min Scan# 865
Delta R.T. 0.019 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

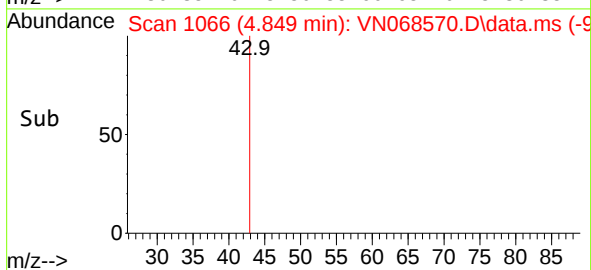
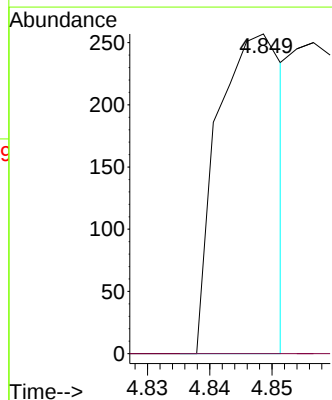
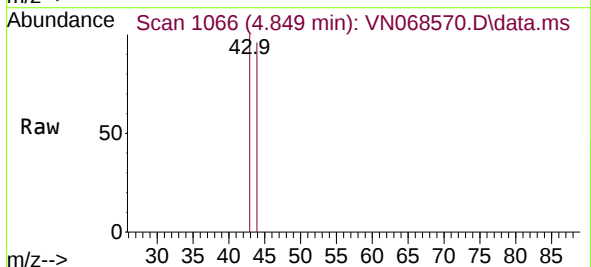
Instrument :
MSVOA_N
ClientSampleId :
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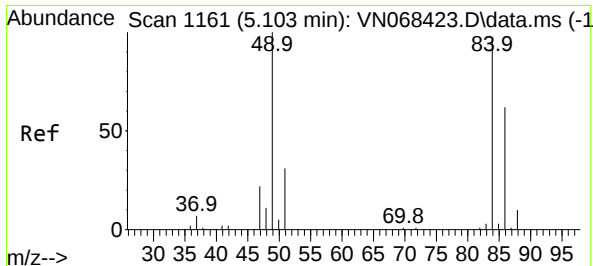
Tgt Ion: 43 Resp: 1293
Ion Ratio Lower Upper
43 100
58 35.7 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.849 min Scan# 1066
Delta R.T. -0.007 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion: 43 Resp: 184
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#

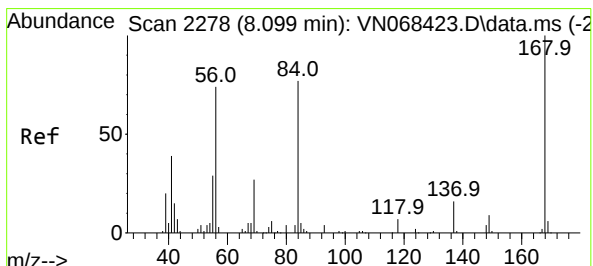
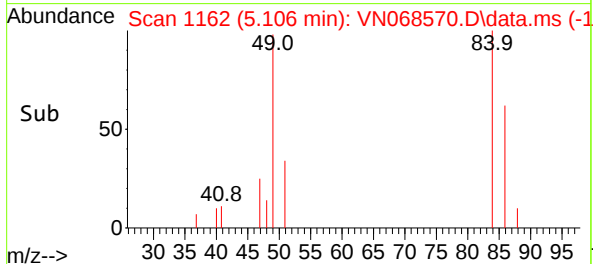
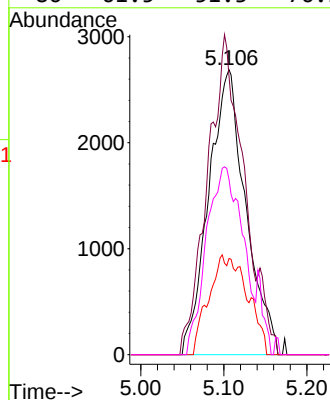
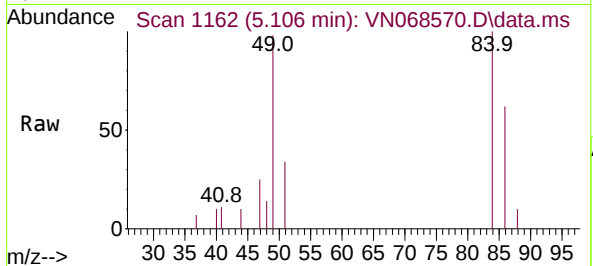




#20
Methylene Chloride
Concen: 1.014 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.003 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

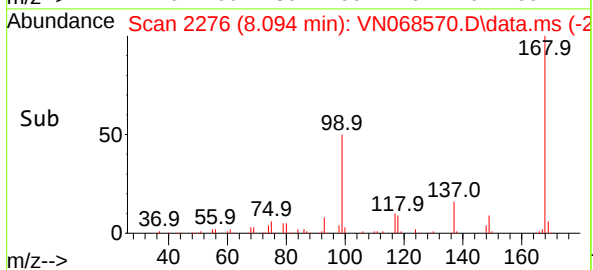
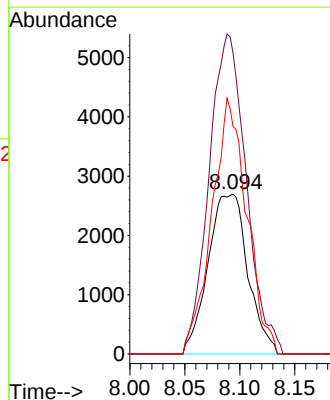
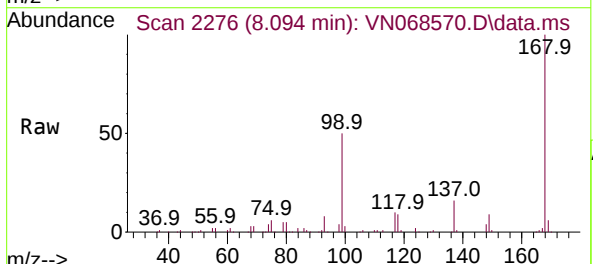
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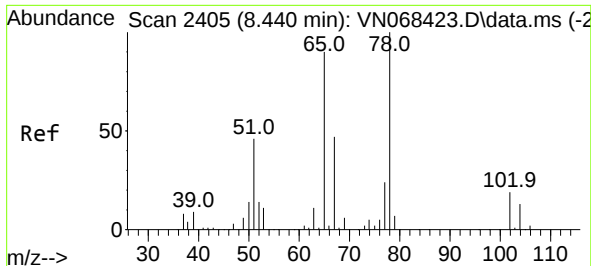
Tgt Ion:	84	Resp:	8338
Ion	Ratio	Lower	Upper
84	100		
49	97.8	83.0	124.6
51	33.8	25.4	38.0
86	61.5	51.3	76.9



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.005 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion:	56	Resp:	6779
Ion	Ratio	Lower	Upper
56	100		
69	188.3	29.4	44.0#
84	142.4	83.6	125.4#

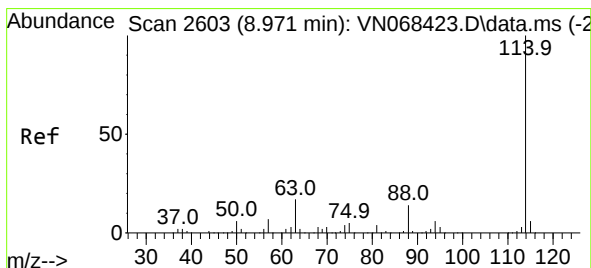
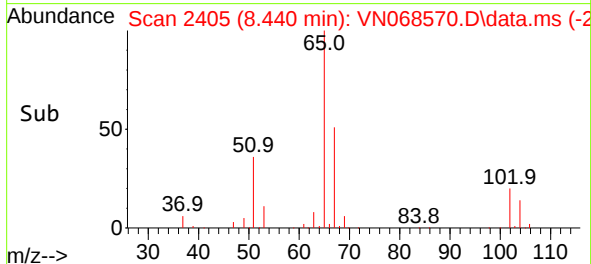
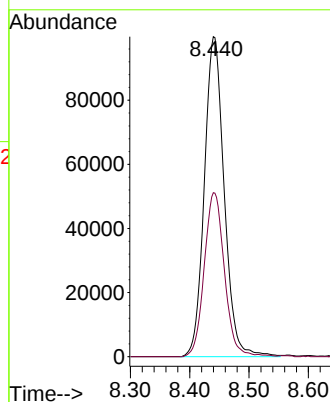
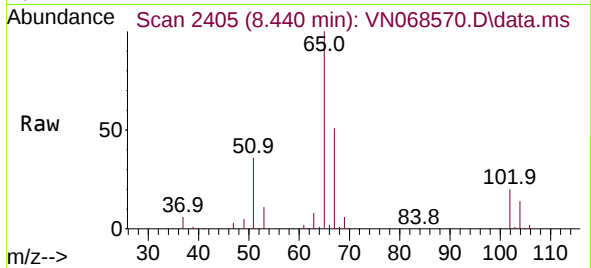




#33
1,2-Dichloroethane-d4
Concen: 61.532 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

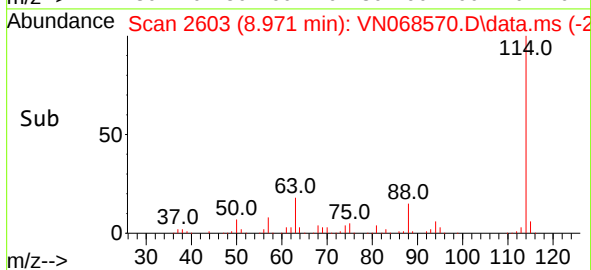
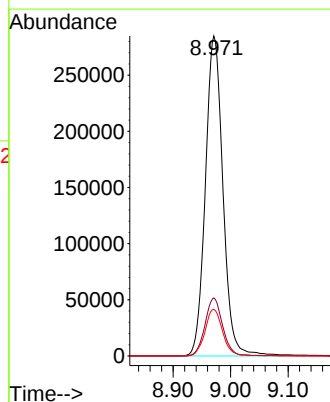
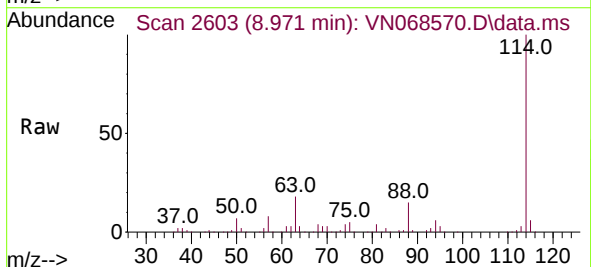
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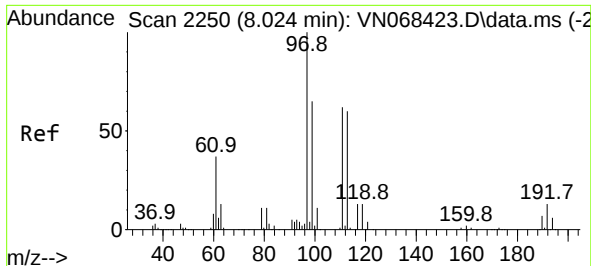
Tgt Ion: 65 Resp: 232352
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion: 114 Resp: 604679
Ion Ratio Lower Upper
114 100
63 18.1 0.0 33.2
88 14.6 0.0 28.4

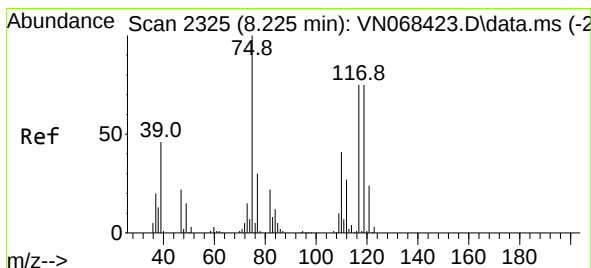
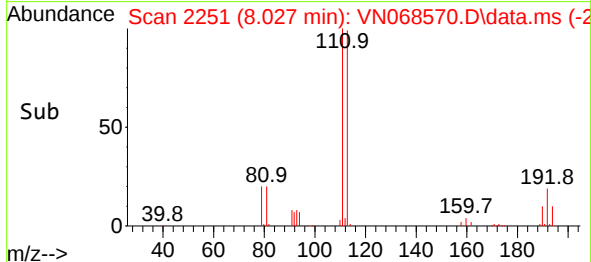
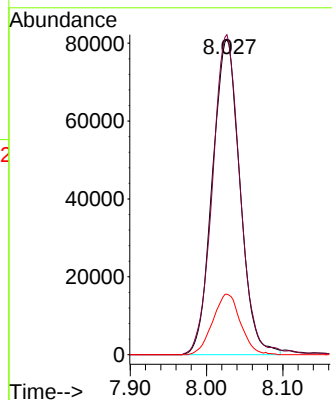
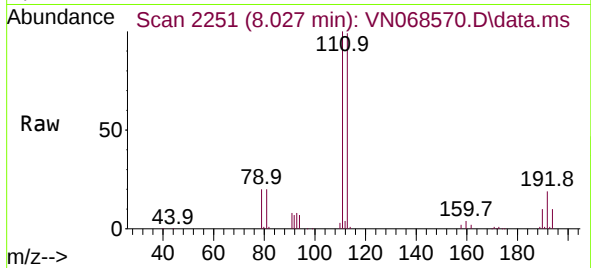




#35
Dibromofluoromethane
Concen: 55.699 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

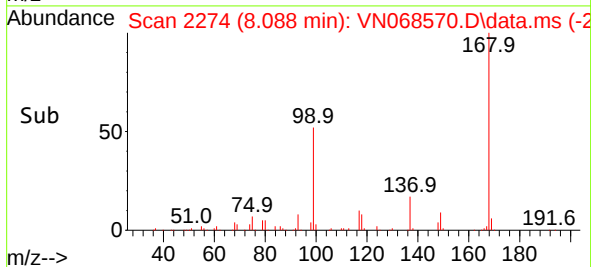
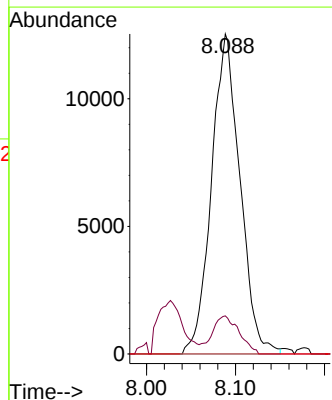
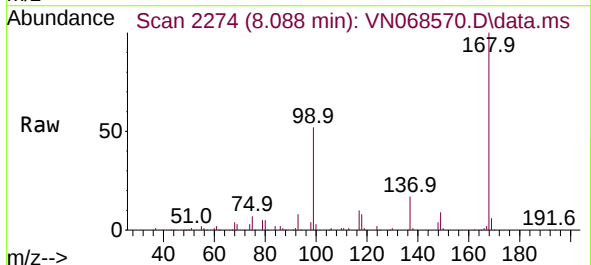
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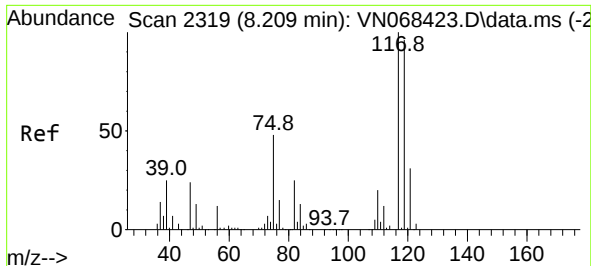
Tgt Ion:113 Resp: 203136
Ion Ratio Lower Upper
113 100
111 100.9 81.1 121.7
192 19.4 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.534 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion: 75 Resp: 27899
Ion Ratio Lower Upper
75 100
110 10.9 20.8 62.5#
77 0.0 25.0 37.6#

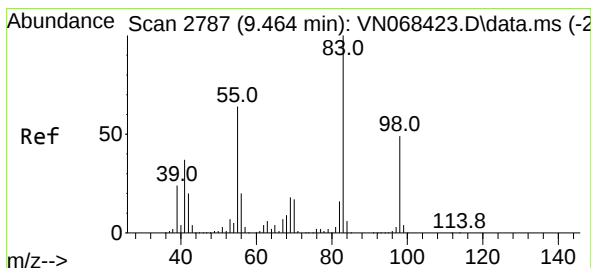
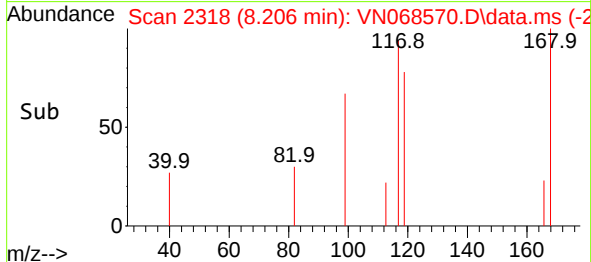
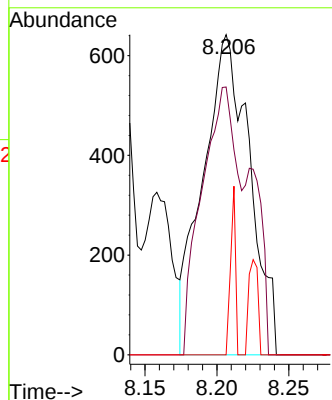
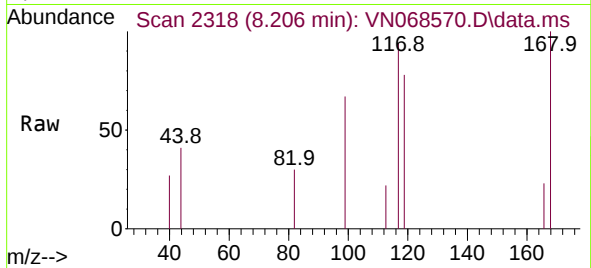




#38
Carbon Tetrachloride
Concen: 0.240 ug/l
RT: 8.206 min Scan# 2318
Delta R.T. -0.003 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

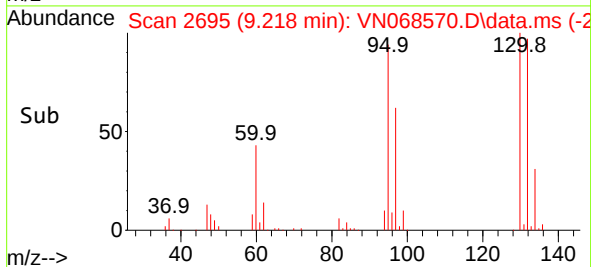
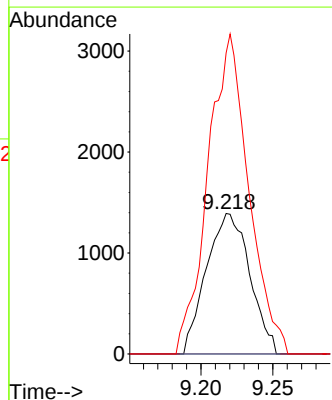
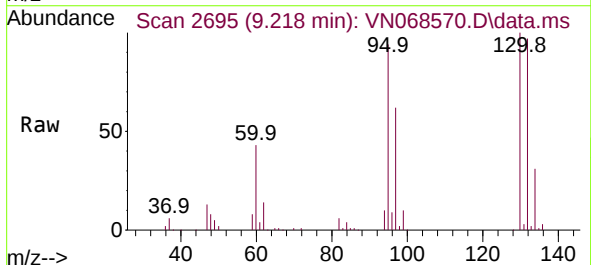
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20210916DL

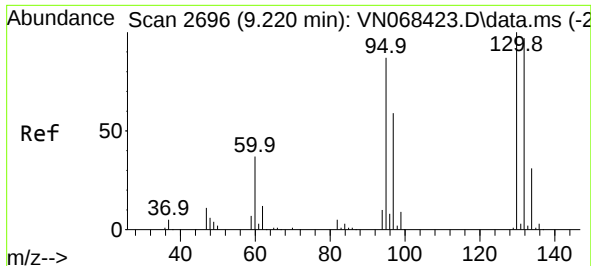
Tgt Ion:117 Resp: 1450
Ion Ratio Lower Upper
117 100
119 83.6 76.6 114.8
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 0.458 ug/l
RT: 9.218 min Scan# 2695
Delta R.T. -0.246 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion: 83 Resp: 2924
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 199.0 39.5 59.3#

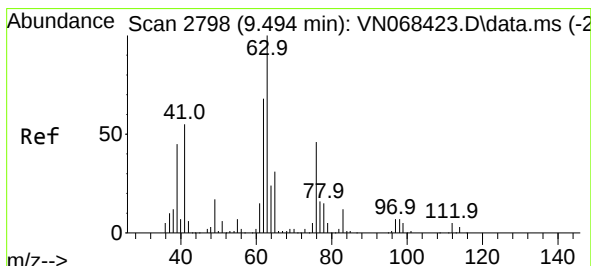
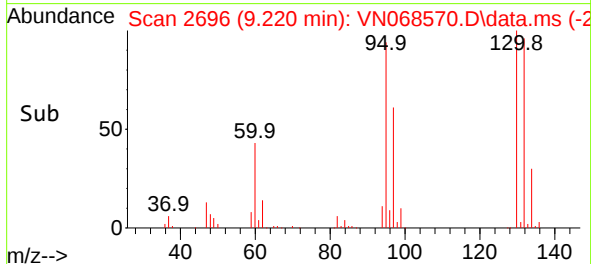
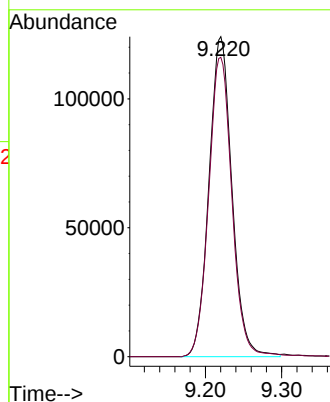
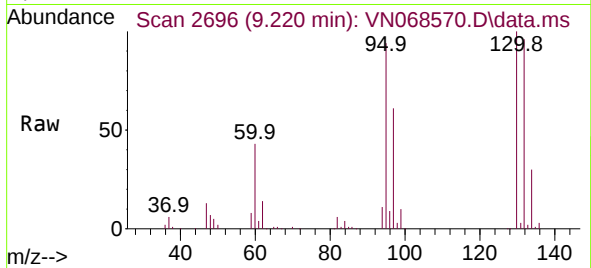




#44
Trichloroethene
Concen: 54.920 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

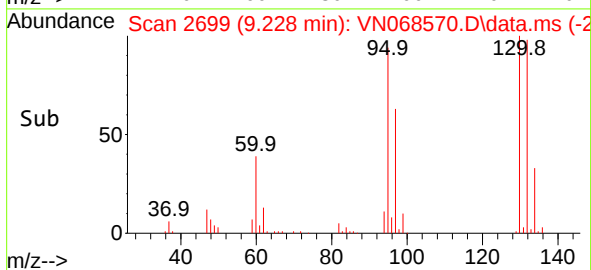
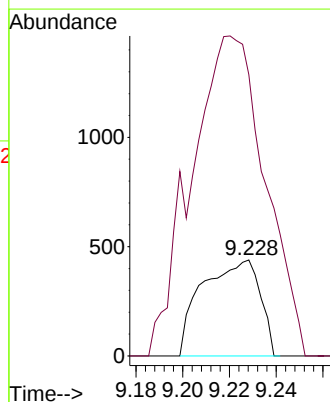
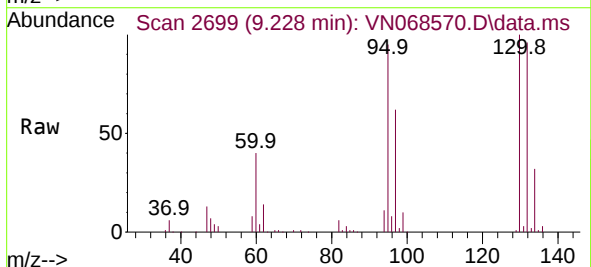
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20210916DL

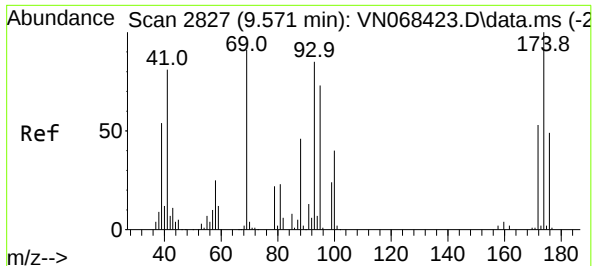
Tgt Ion:130 Resp: 259479
Ion Ratio Lower Upper
130 100
95 93.6 0.0 173.8



#45
1,2-Dichloropropane
Concen: 0.211 ug/l
RT: 9.228 min Scan# 2699
Delta R.T. -0.266 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion: 63 Resp: 752
Ion Ratio Lower Upper
63 100
65 166.7 24.8 37.2#

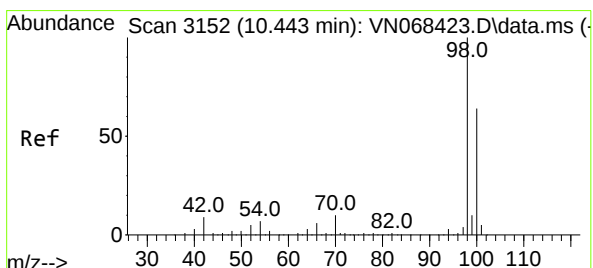
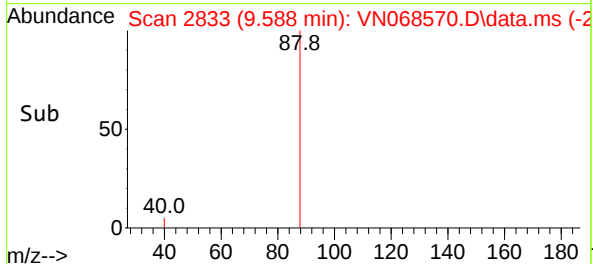
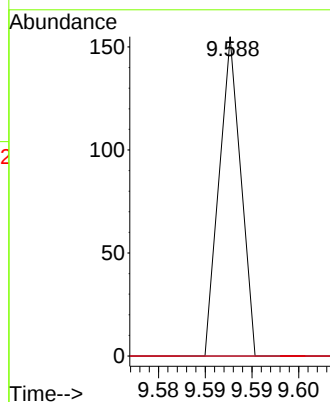
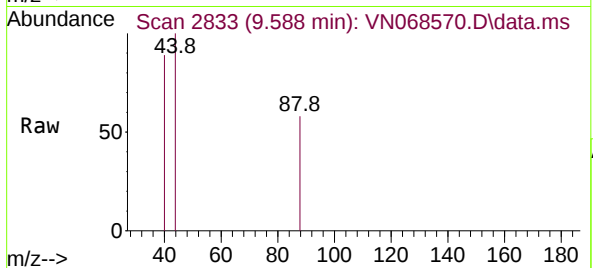




#49
1,4-Dioxane
Concen: 0.386 ug/l
RT: 9.588 min Scan# 2833
Delta R.T. 0.017 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

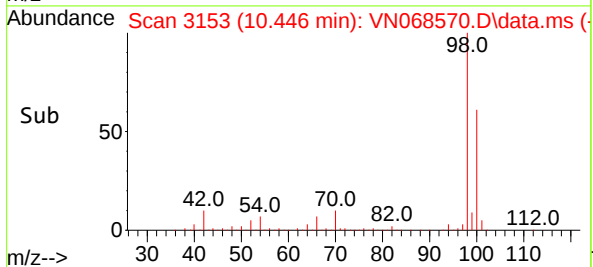
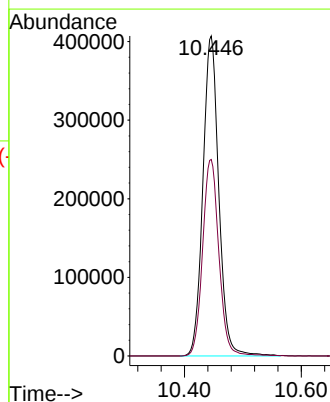
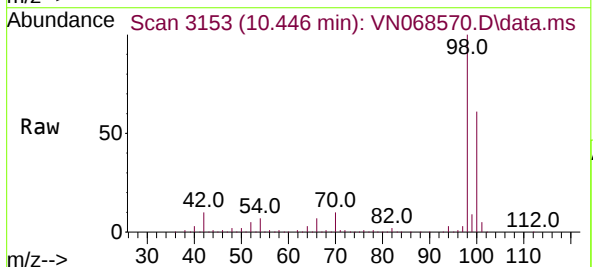
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20210916DL

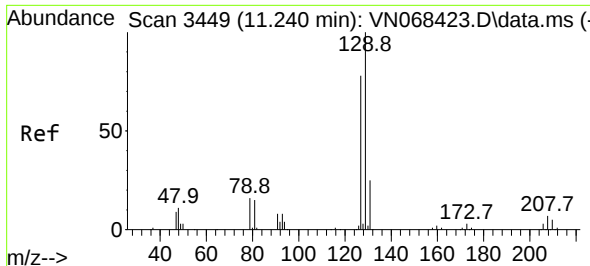
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 18.9 28.3#
58 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 51.330 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion: 98 Resp: 769298
Ion Ratio Lower Upper
98 100
100 62.8 51.0 76.6

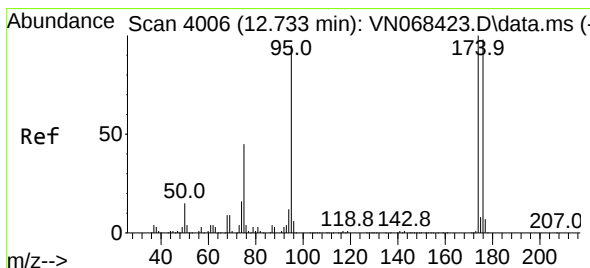
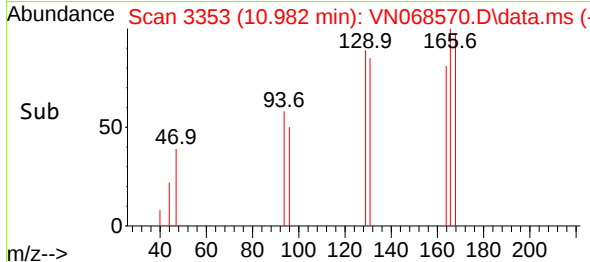
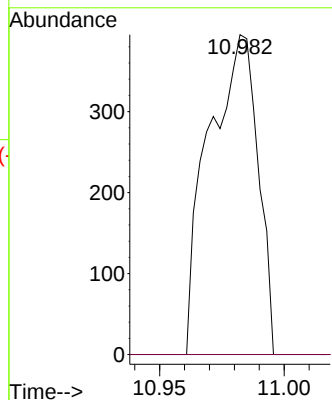
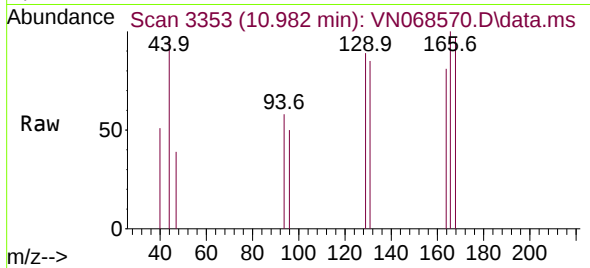




#60
Dibromochloromethane
Concen: 1.900 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

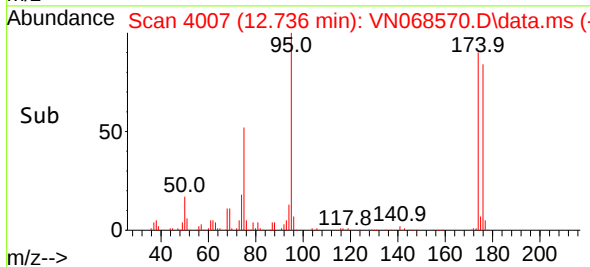
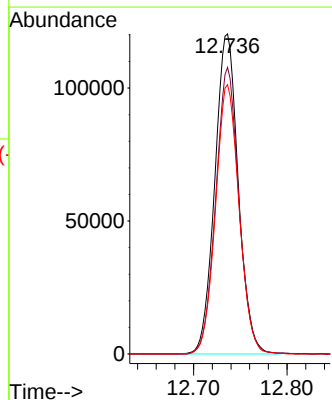
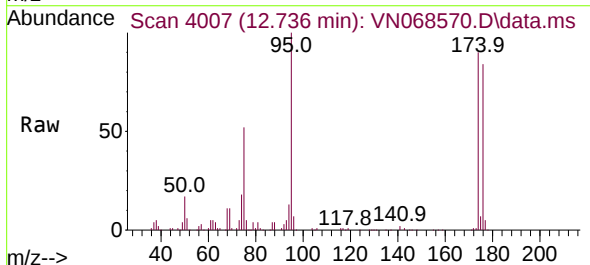
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20210916DL

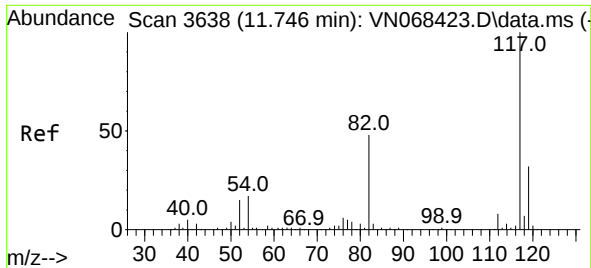
Tgt Ion:129 Resp: 542
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 43.202 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion: 95 Resp: 209968
Ion Ratio Lower Upper
95 100
174 88.5 0.0 214.0
176 84.4 0.0 205.4

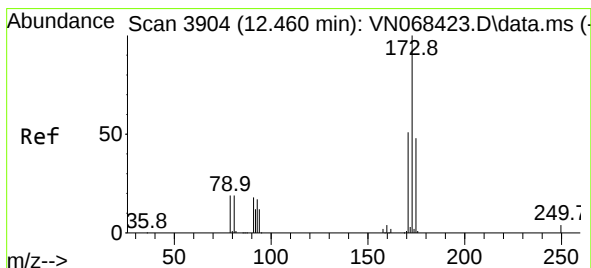
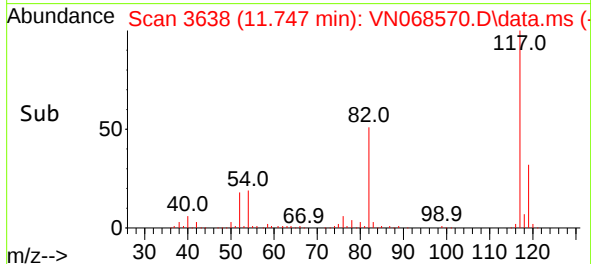
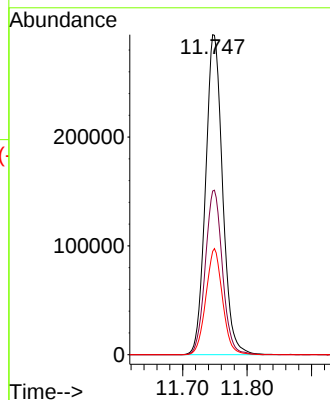
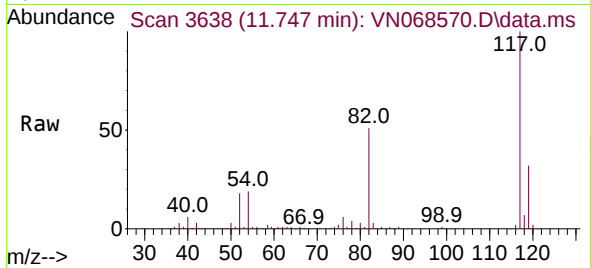




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

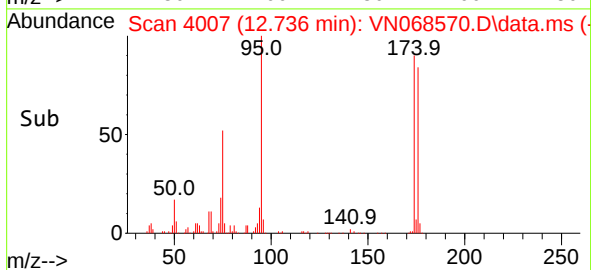
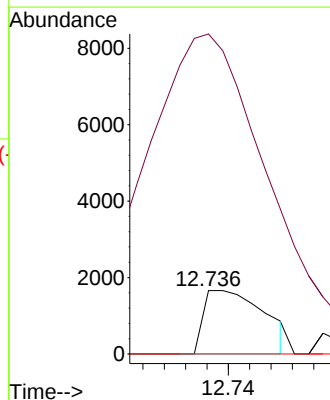
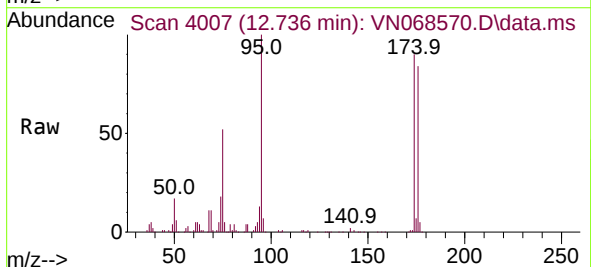
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20210916DL

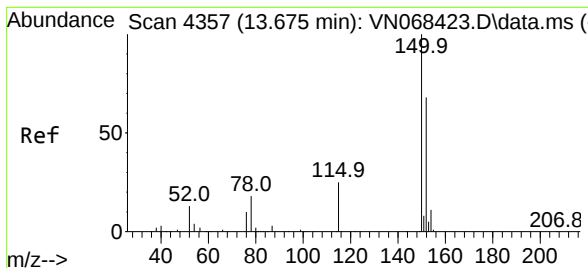
Tgt Ion:117 Resp: 539924
Ion Ratio Lower Upper
117 100
82 51.1 38.7 58.1
119 32.3 25.5 38.3



#71
Bromoform
Concen: 2.828 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion:173 Resp: 1307
Ion Ratio Lower Upper
173 100
175 978.8 24.1 72.3#
254 0.0 0.0 0.0

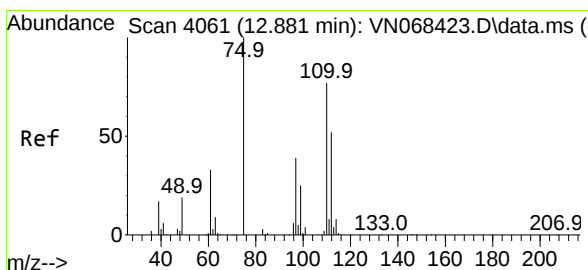
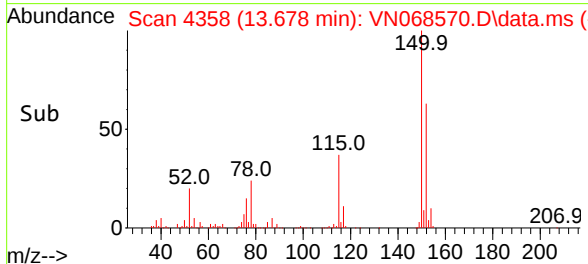
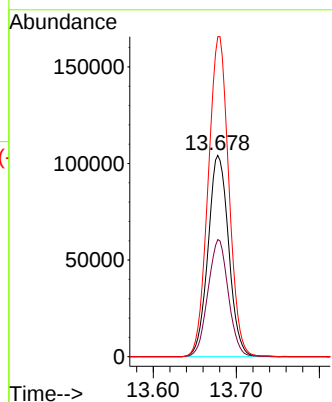
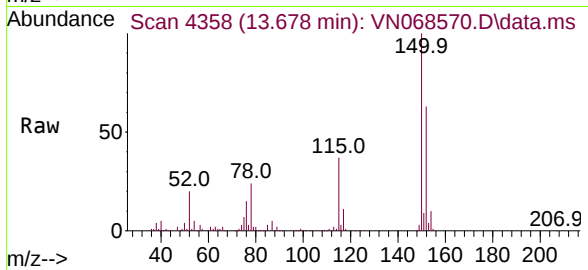




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

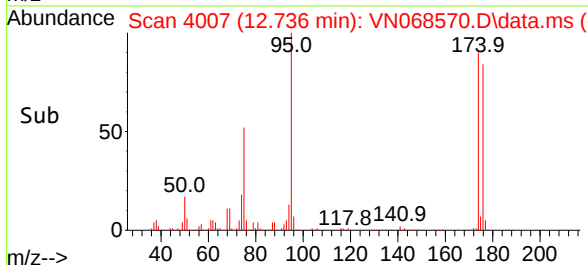
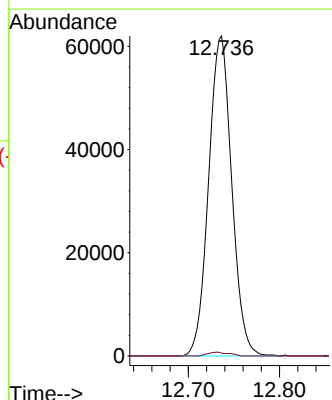
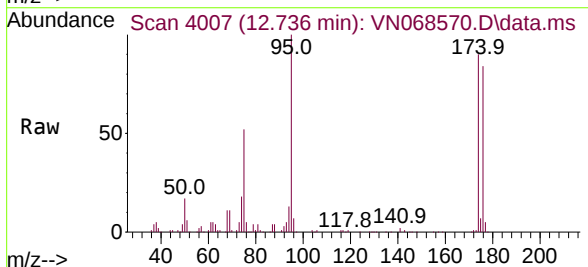
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20210916DL

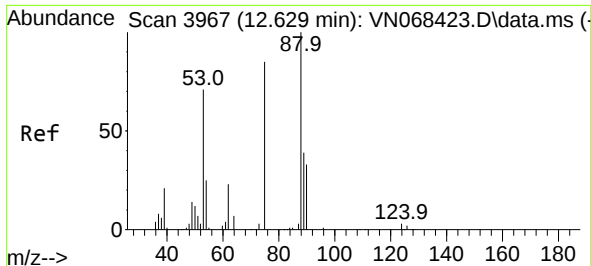
Tgt Ion:152 Resp: 179794
Ion Ratio Lower Upper
152 100
115 57.4 25.6 76.6
150 158.6 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 44.024 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion: 75 Resp: 109171
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#

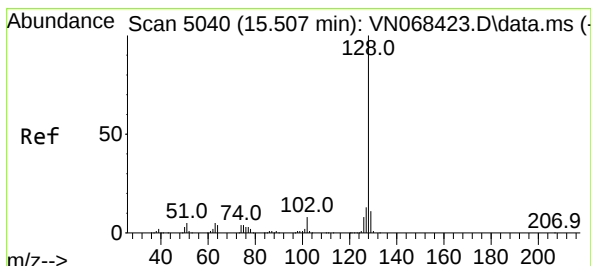
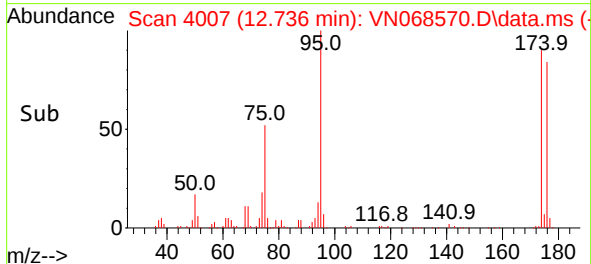
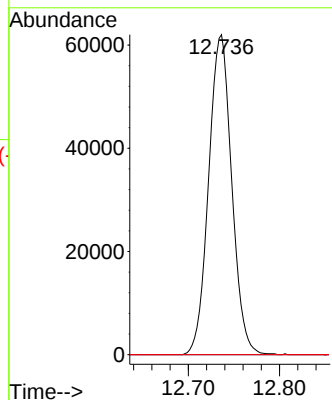
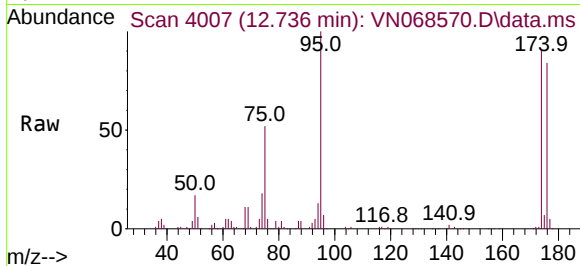




#81
trans-1,4-Dichloro-2-butene
Concen: 134.567 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

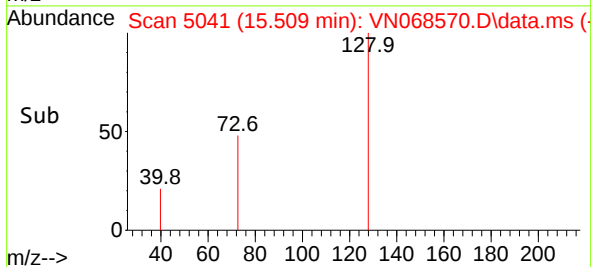
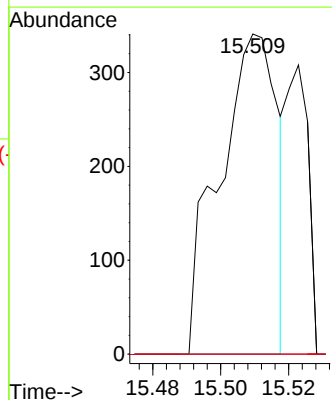
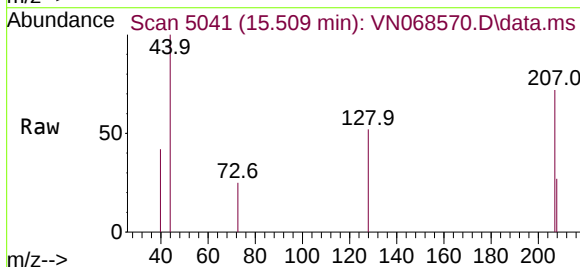
Instrument :
MSVOA_N
ClientSampleId :
RE115D2-20210916DL

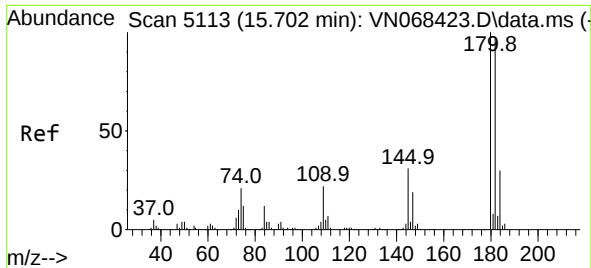
Tgt Ion: 75 Resp: 109171
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 3.549 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068570.D
Acq: 20 Sep 2021 21:42

Tgt Ion:128 Resp: 402
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.981 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN068570.D
 Acq: 20 Sep 2021 21:42

Instrument :
 MSVOA_N
 ClientSampleId :
 RE115D2-20210916DL

Tgt Ion:180 Resp: 24
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.6#
 145 0.0 15.2 45.5#

