

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092321\
 Data File : VN068622.D
 Acq On : 23 Sep 2021 16:10
 Operator : JC/MD
 Sample : M3871-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-BL

Quant Time: Sep 23 16:26:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

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

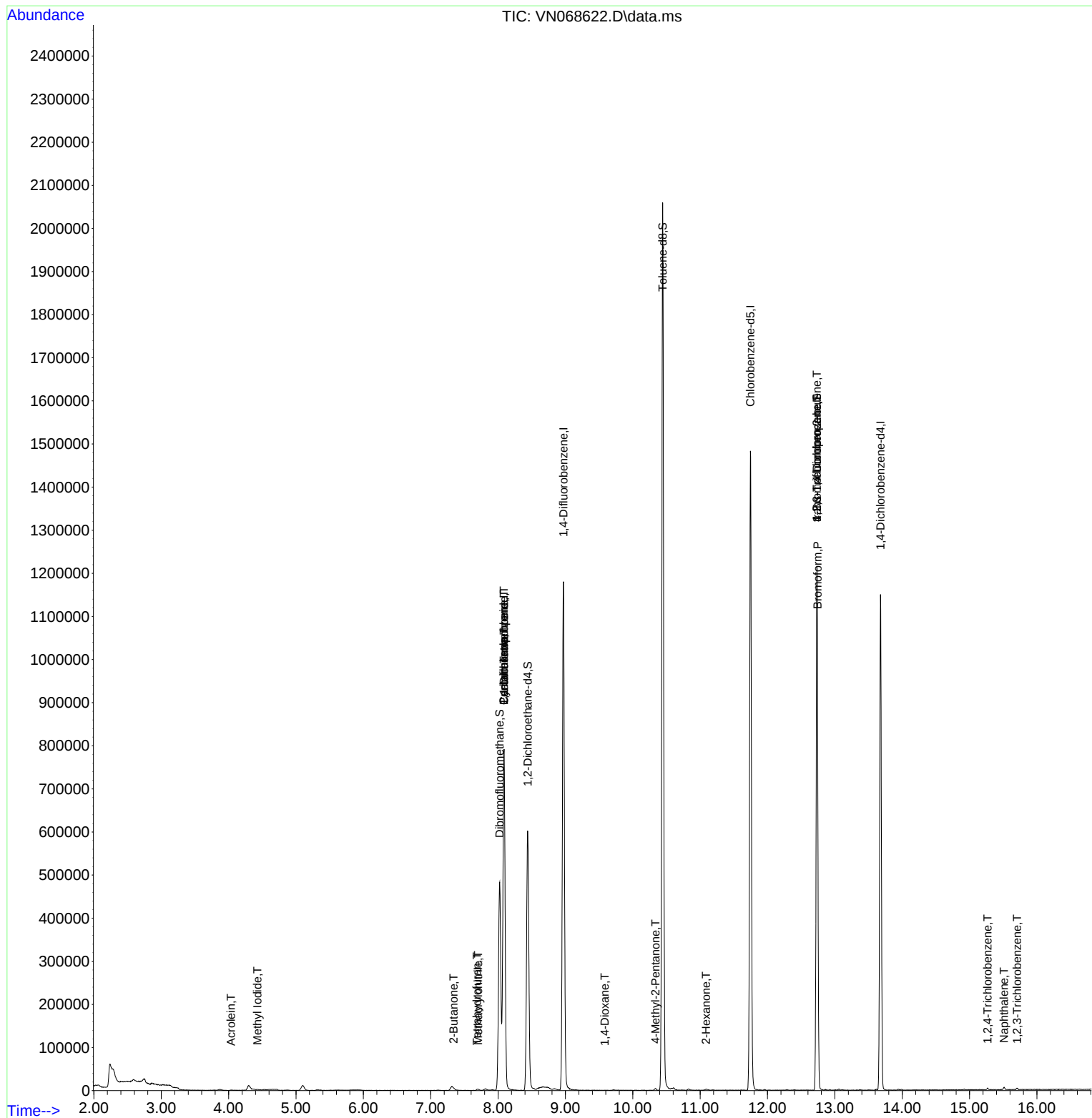
Internal Standards						
1) Pentafluorobenzene	8.088	168	572703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	995584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	830727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	290101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	529485	59.479	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 118.960%			
35) Dibromofluoromethane	8.024	113	352895	53.002	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.000%			
50) Toluene-d8	10.443	98	1389828	49.223	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.440%			
62) 4-Bromofluorobenzene	12.733	95	420313	43.526	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.060%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.872	94	1929	Below Cal		90
6) Chloroethane	3.247	64	218	Below Cal	#	44
10) Methyl Iodide	4.427	142	1837	0.251	ug/l #	76
13) Acrolein	4.036	56	183	7.237	ug/l #	80
16) Acetone	4.299	43	20678	Below Cal		97
20) Methylene Chloride	5.101	84	9034	Below Cal		90
25) 2-Butanone	7.340	43	1946	0.357	ug/l #	89
29) Tetrahydrofuran	7.686	42	760	0.219	ug/l #	35
31) Cyclohexane	8.088	56	16054	1.280	ug/l #	31
36) 1,1-Dichloropropene	8.088	75	50036	4.976	ug/l #	52
38) Carbon Tetrachloride	8.088	117	63017	6.068	ug/l #	16
41) Methacrylonitrile	7.705	41	1259	0.209	ug/l #	22
49) 1,4-Dioxane	9.582	88	49	0.377	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	3647	0.309	ug/l #	86
59) 2-Hexanone	11.087	43	3071	0.362	ug/l	74
71) Bromoform	12.742	173	1519	0.314	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	238818	33.294	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	238818	94.048	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	1210	0.249	ug/l	89
95) Naphthalene	15.509	128	5235	1.959	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.705	180	1414	0.297	ug/l #	86

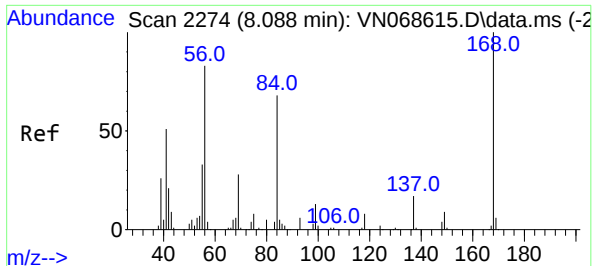
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FB02-BL

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Quant Title : SW846 8260
QLast Update : Thu Sep 23 13:52:37 2021
Response via : Initial Calibration

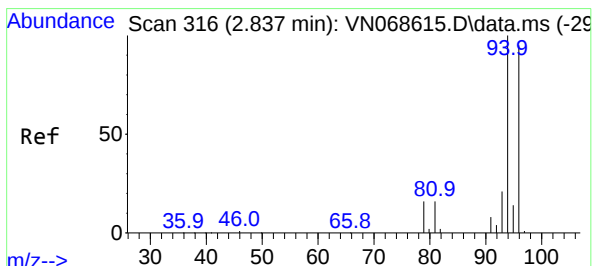
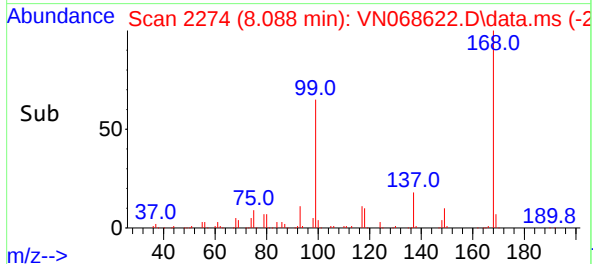
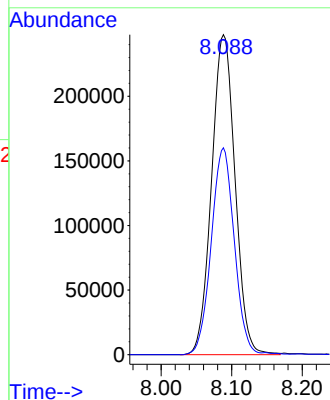
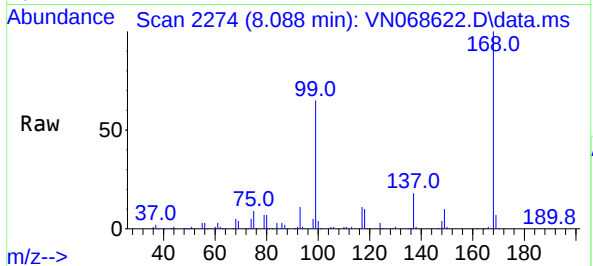




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

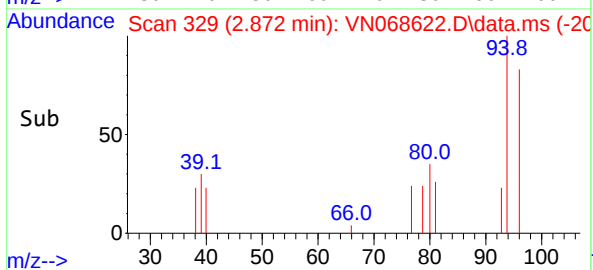
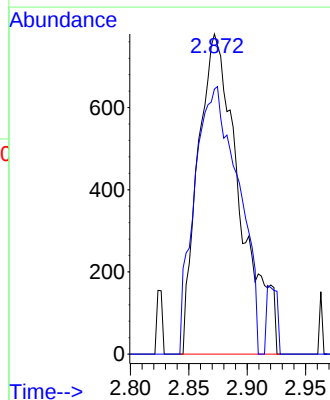
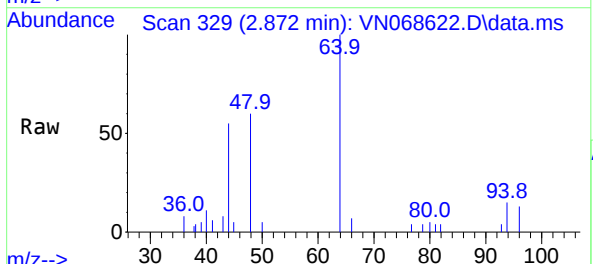
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

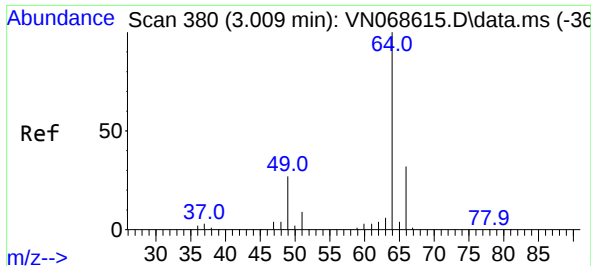
Tgt Ion:168 Resp: 572703
Ion Ratio Lower Upper
168 100
99 64.7 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.872 min Scan# 329
Delta R.T. 0.035 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 94 Resp: 1929
Ion Ratio Lower Upper
94 100
96 82.8 73.7 110.5

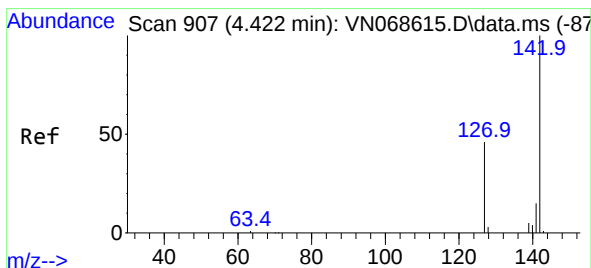
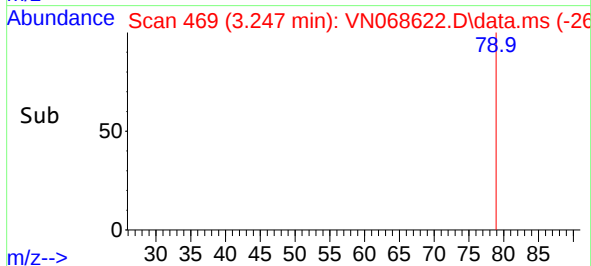
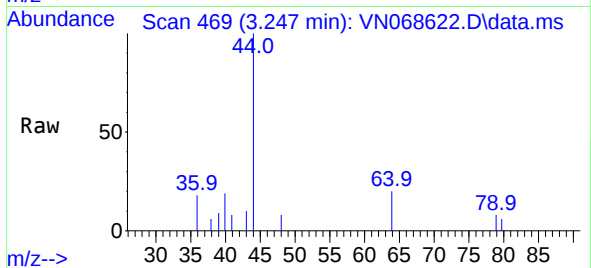




#6
Chloroethane
Concen: Below Cal
RT: 3.247 min Scan# 469
Delta R.T. 0.238 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

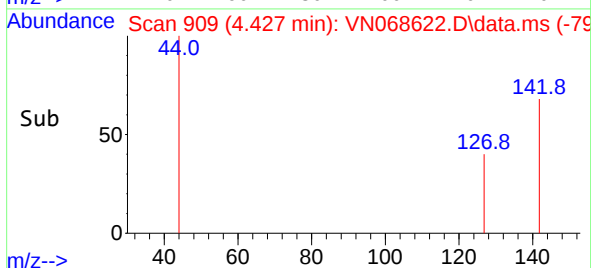
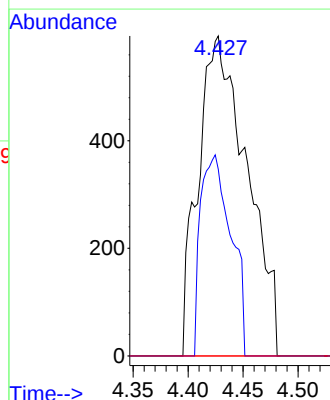
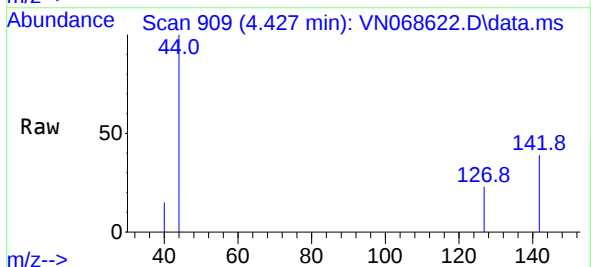
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

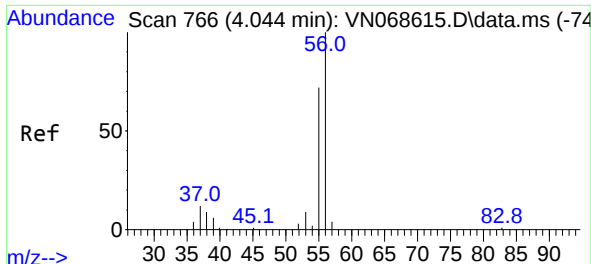
Tgt Ion: 64 Resp: 218
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 0.251 ug/l
RT: 4.427 min Scan# 909
Delta R.T. 0.005 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 142 Resp: 1837
Ion Ratio Lower Upper
142 100
127 39.1 43.1 64.7#
141 0.0 11.4 17.0#

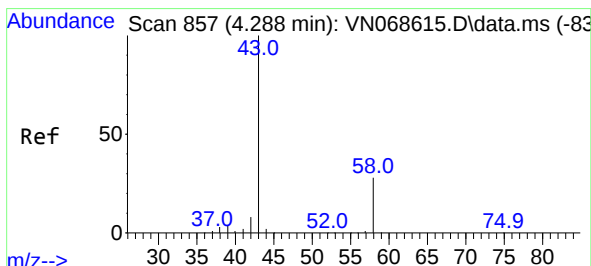
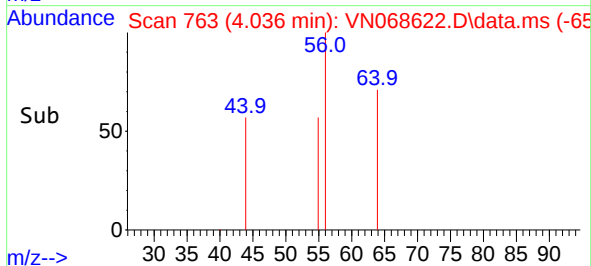
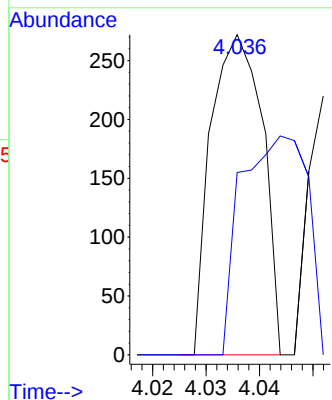
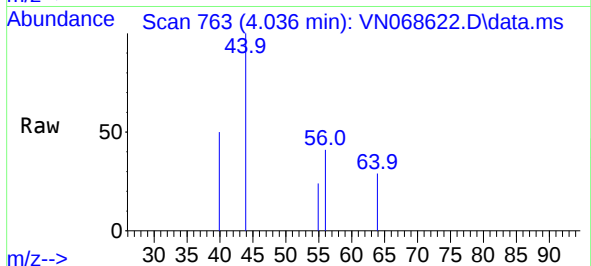




#13
Acrolein
Concen: 7.237 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.008 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

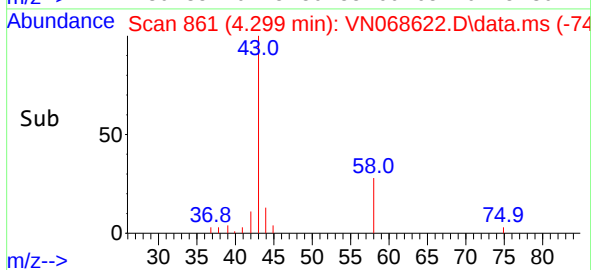
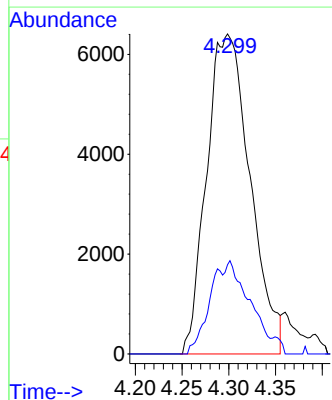
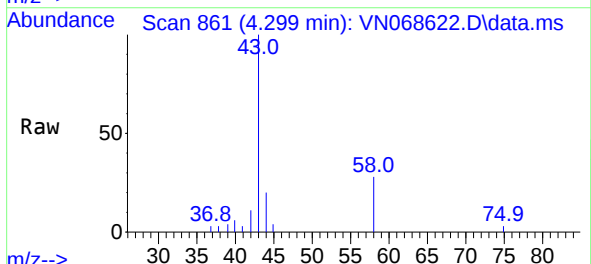
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

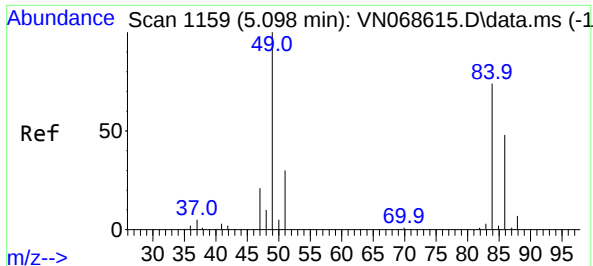
Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 88.0 57.4 86.0#



#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 43 Resp: 20678
Ion Ratio Lower Upper
43 100
58 27.9 21.2 31.8



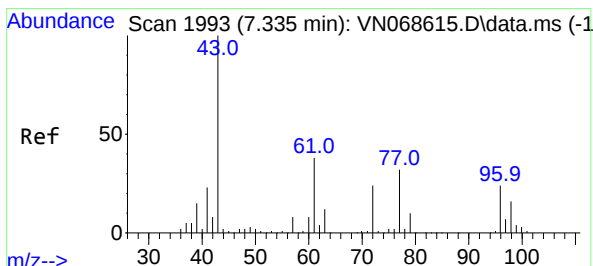
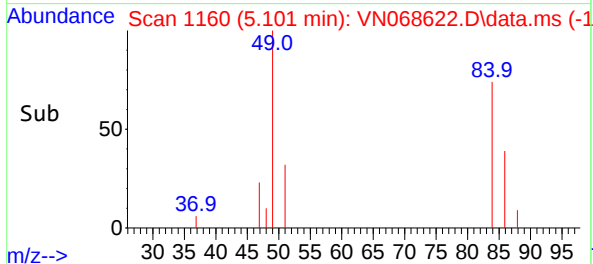
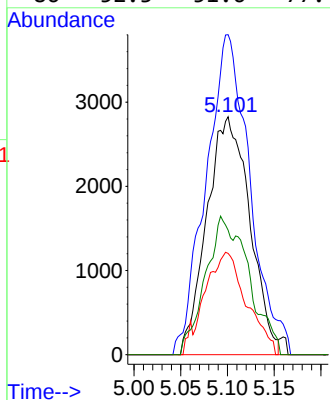
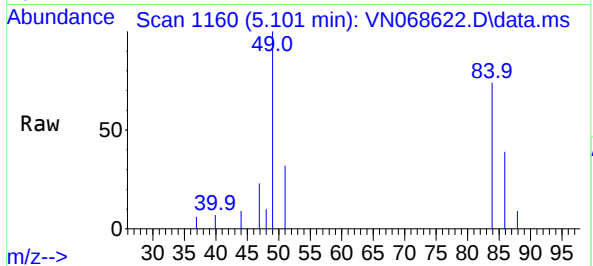


#20
Methylene Chloride
Concen: Below Cal
RT: 5.101 min Scan# 1160
Delta R.T. 0.003 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Instrument :
MSVOA_N
ClientSampled :
FB02-BL

Tgt Ion: 84 Resp: 9034

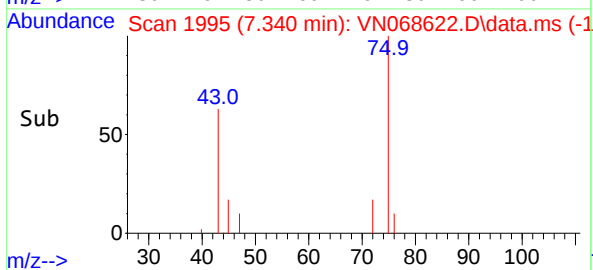
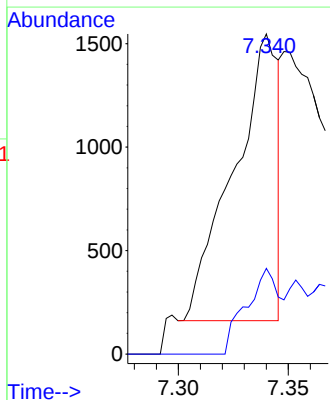
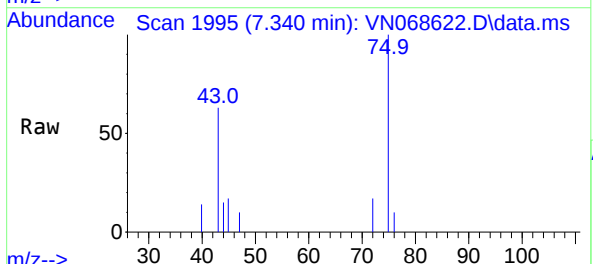
Ion	Ratio	Lower	Upper
84	100		
49	127.1	110.9	166.3
51	42.6	32.6	49.0
86	52.3	51.6	77.4

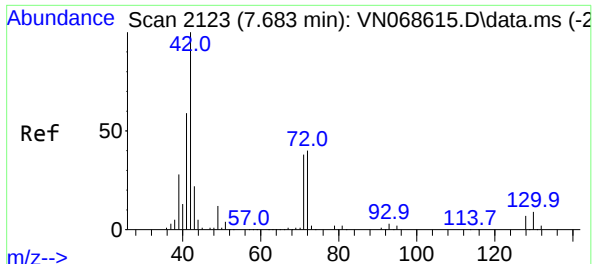


#25
2-Butanone
Concen: 0.357 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 43 Resp: 1946

Ion	Ratio	Lower	Upper
43	100		
72	29.9	19.7	29.5#

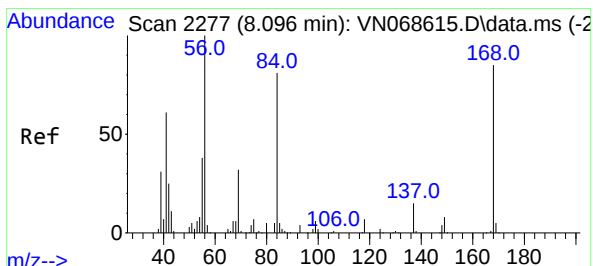
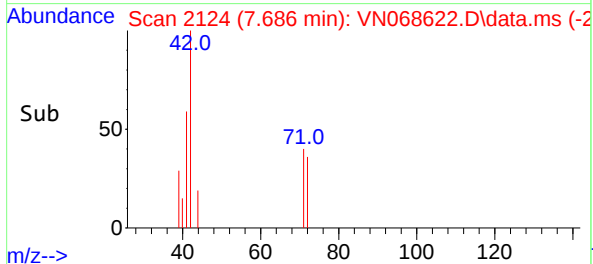
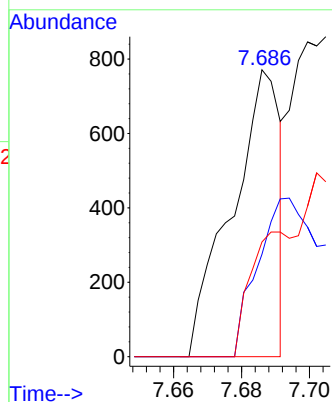
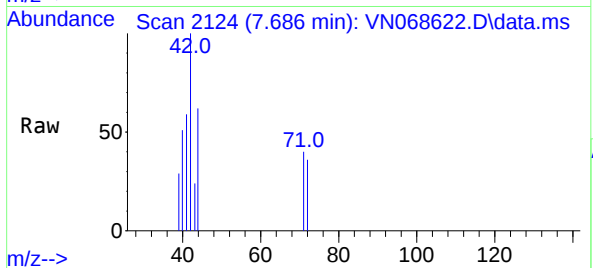




#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 7.686 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

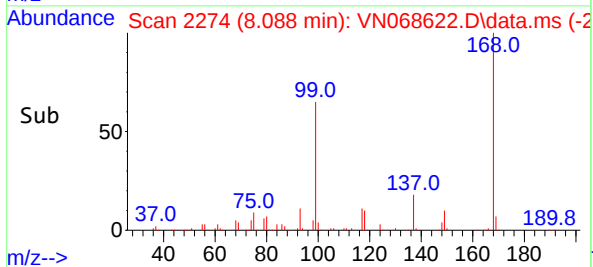
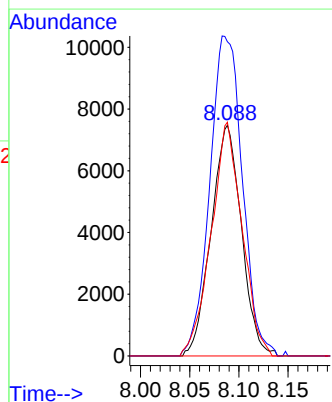
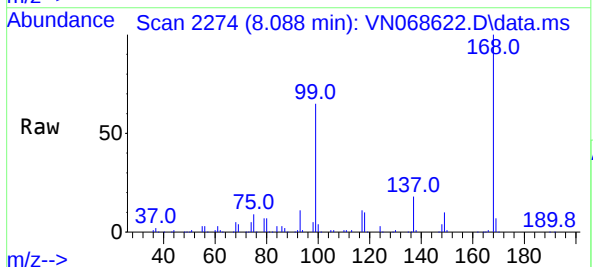
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

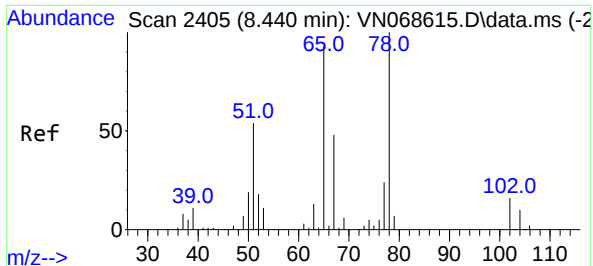
Tgt Ion:	42	Resp:	760
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	0.0	31.2	46.8#



#31
Cyclohexane
Concen: 1.280 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion:	56	Resp:	16054
Ion	Ratio	Lower	Upper
56	100		
69	136.2	27.3	40.9#
84	101.3	64.9	97.3#

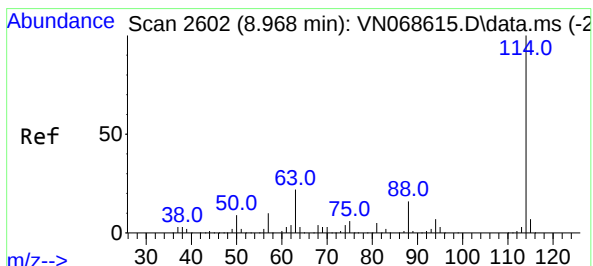
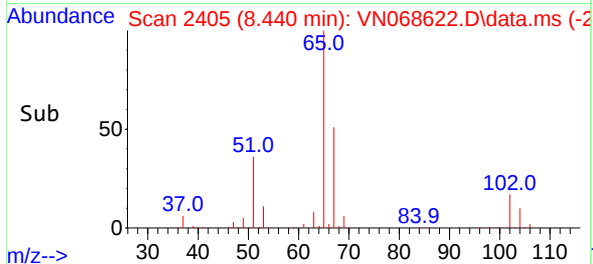
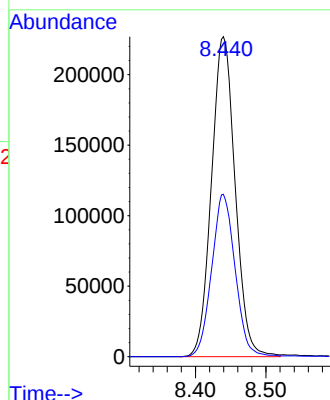
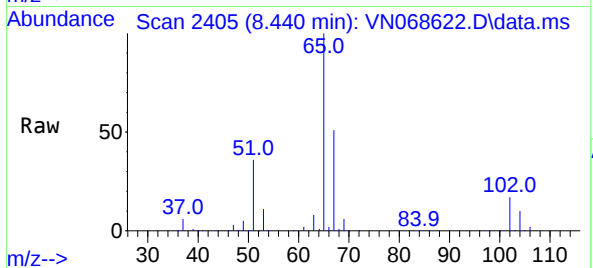




#33
1,2-Dichloroethane-d4
Concen: 59.479 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

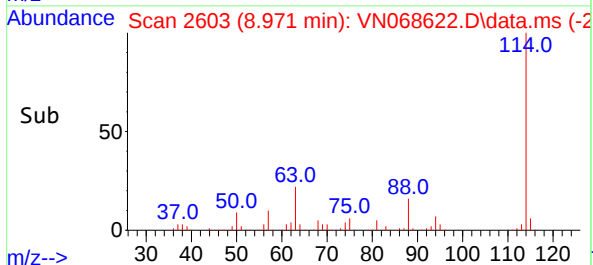
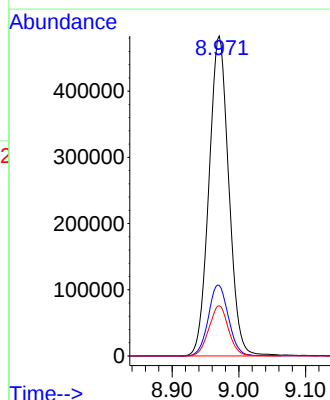
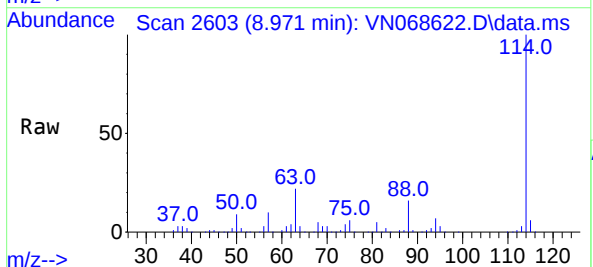
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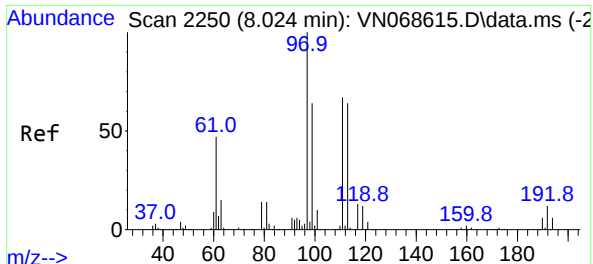
Tgt Ion: 65 Resp: 529485
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 114 Resp: 995584
Ion Ratio Lower Upper
114 100
63 22.0 0.0 49.0
88 15.7 0.0 36.6

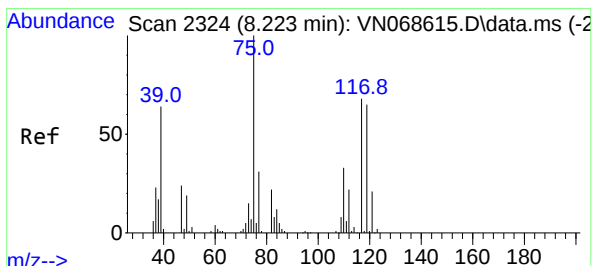
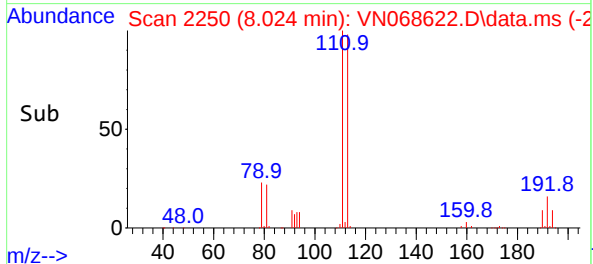
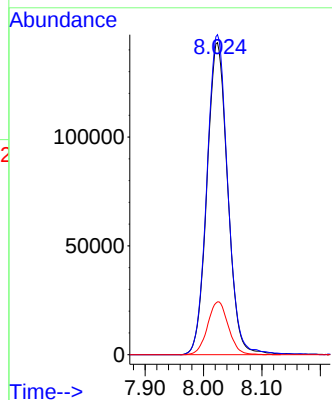
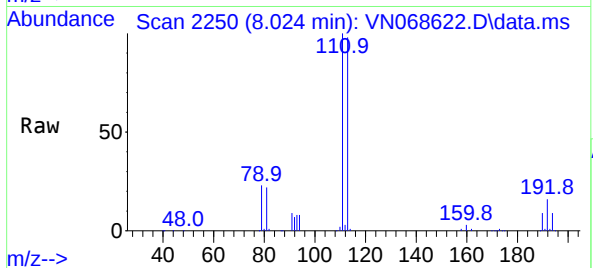




#35
Dibromofluoromethane
Concen: 53.002 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

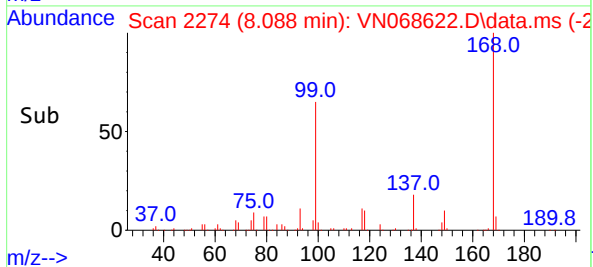
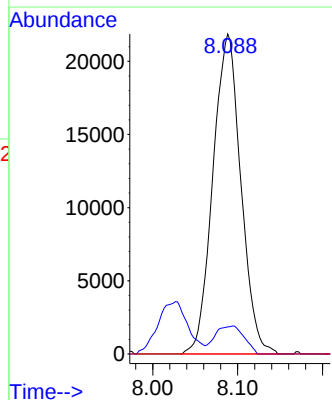
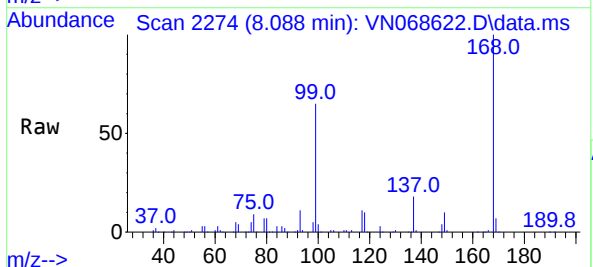
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

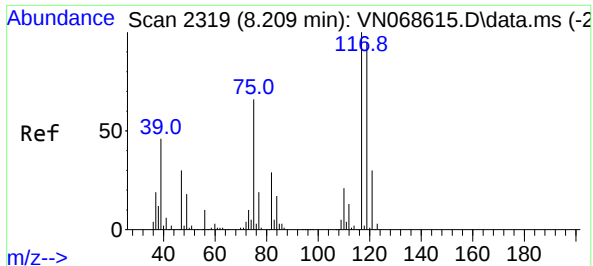
Tgt Ion:113 Resp: 352895
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 17.0 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.976 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 75 Resp: 50036
Ion Ratio Lower Upper
75 100
110 9.2 15.7 47.0#
77 0.0 24.6 37.0#

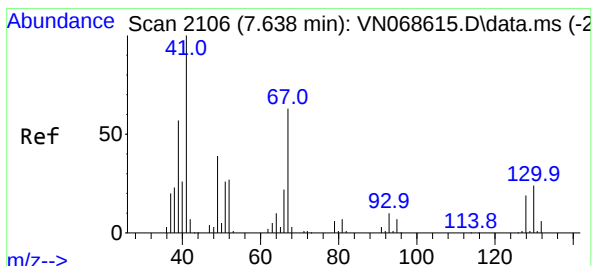
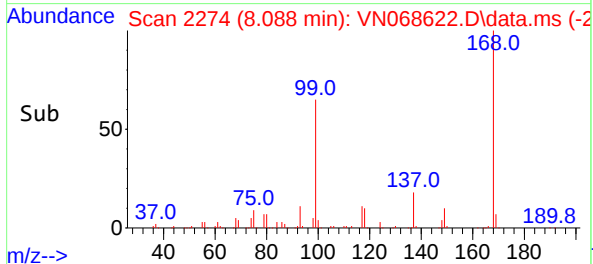
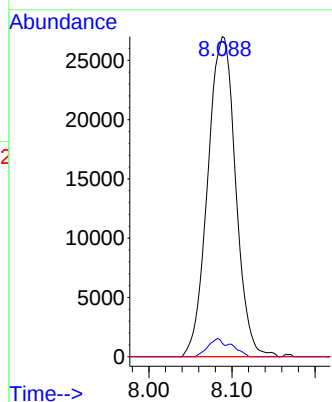
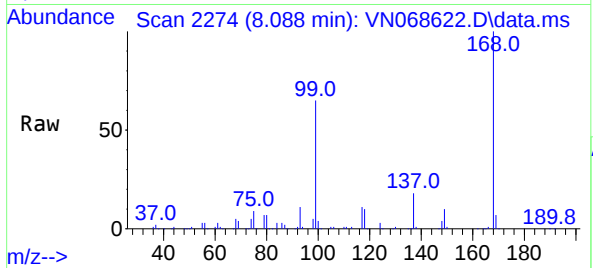




#38
Carbon Tetrachloride
Concen: 6.068 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

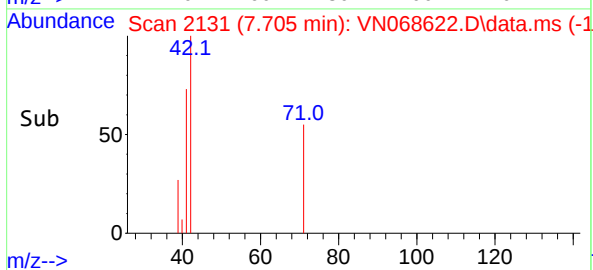
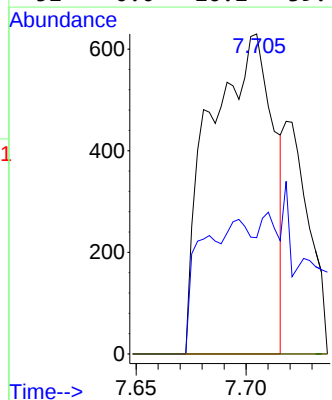
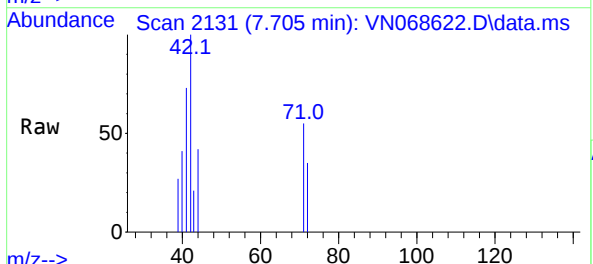
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

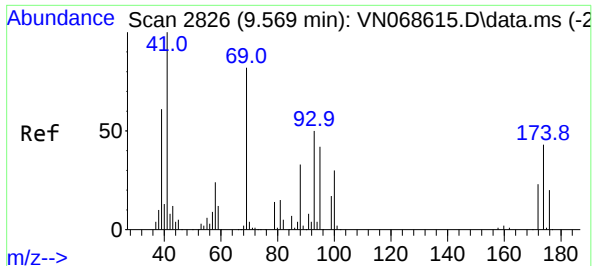
Tgt Ion:117 Resp: 63017
Ion Ratio Lower Upper
117 100
119 4.2 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.209 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 41 Resp: 1259
Ion Ratio Lower Upper
41 100
39 0.0 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

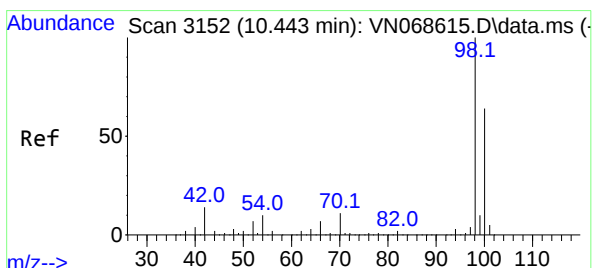
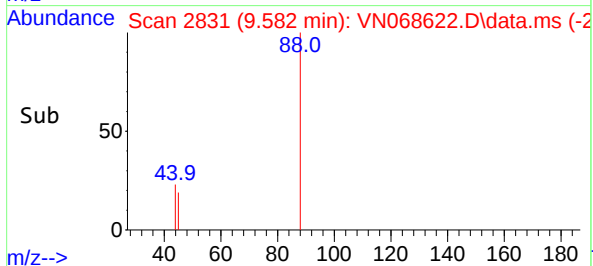
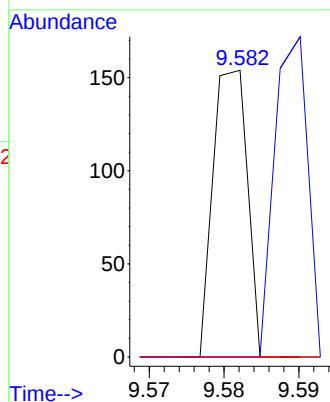
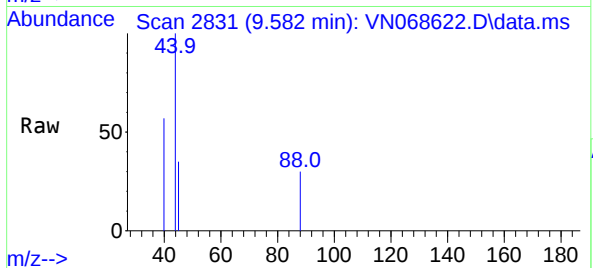




#49
1,4-Dioxane
Concen: 0.377 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.013 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

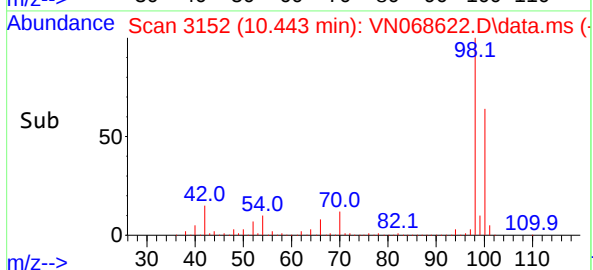
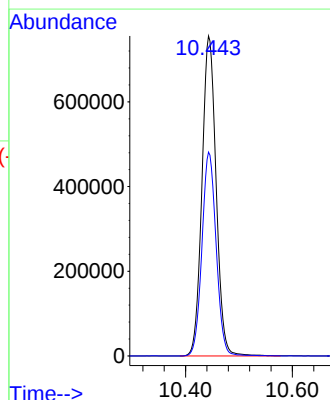
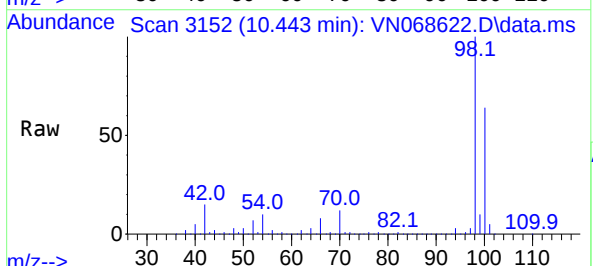
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

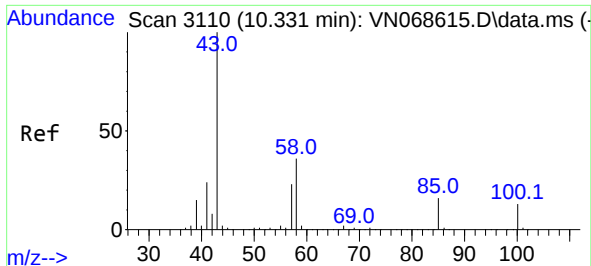
Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 108.2 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 49.223 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 98 Resp: 1389828
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

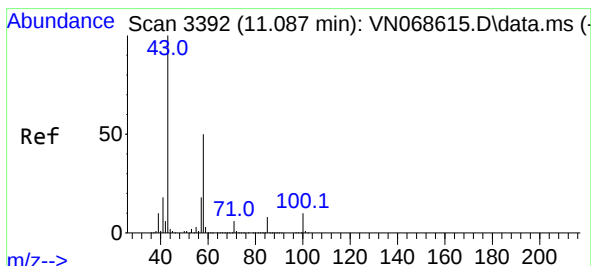
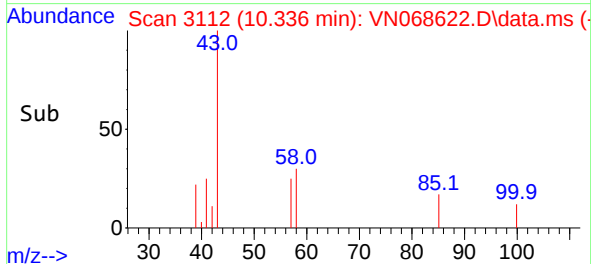
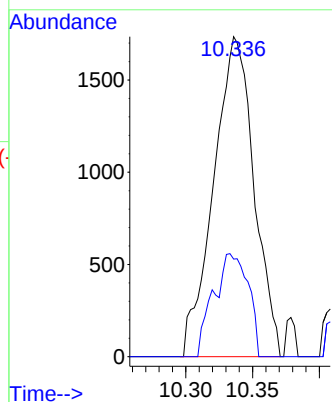
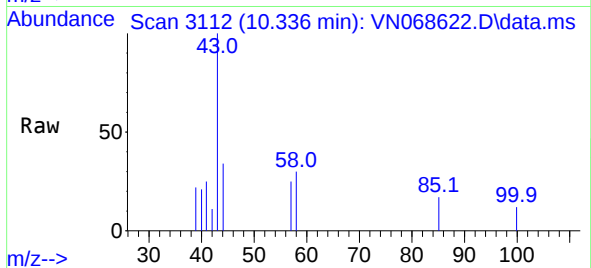




#51
4-Methyl-2-Pentanone
Concen: 0.309 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

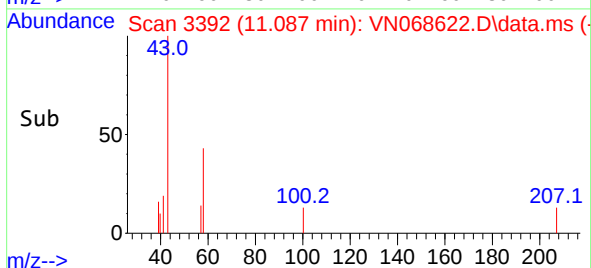
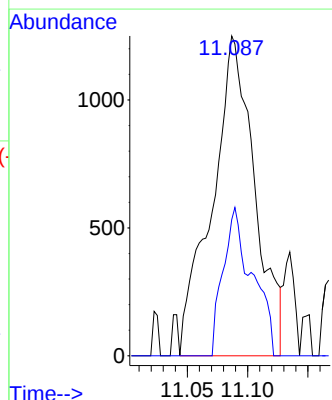
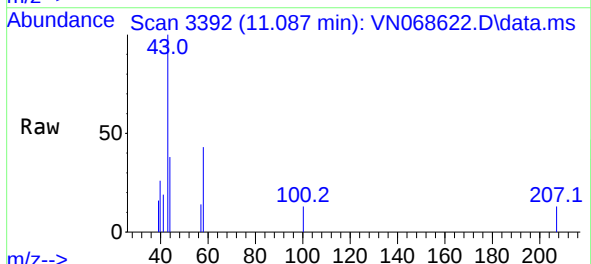
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

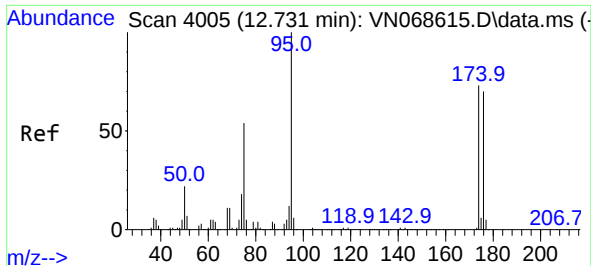
Tgt Ion: 43 Resp: 3647
Ion Ratio Lower Upper
43 100
58 27.5 28.6 43.0#



#59
2-Hexanone
Concen: 0.362 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 43 Resp: 3071
Ion Ratio Lower Upper
43 100
58 31.7 24.7 74.1

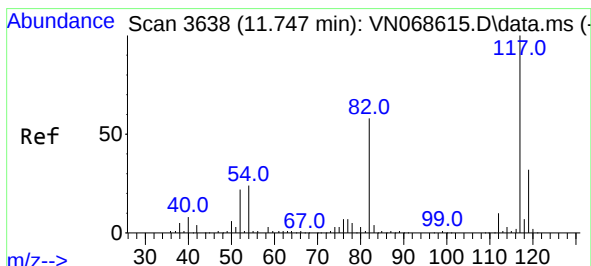
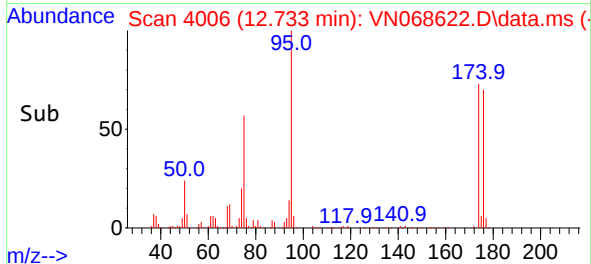
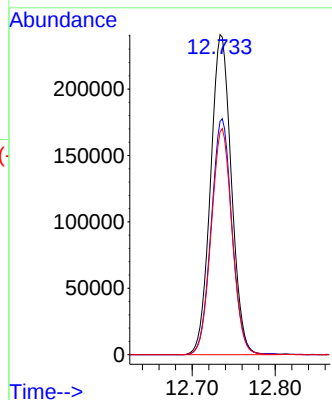
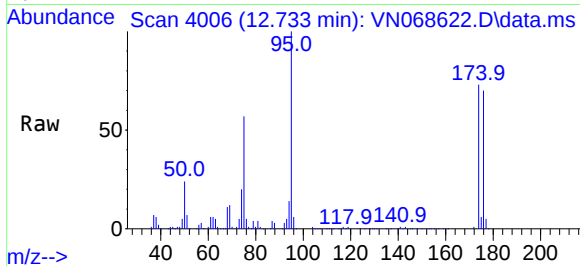




#62
4-Bromofluorobenzene
Concen: 43.526 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

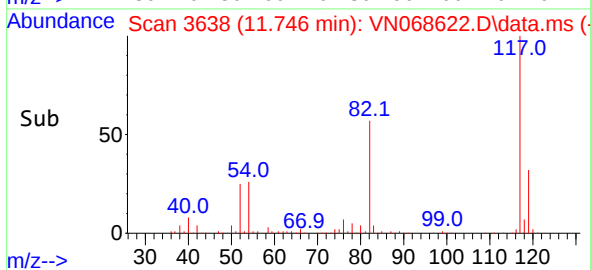
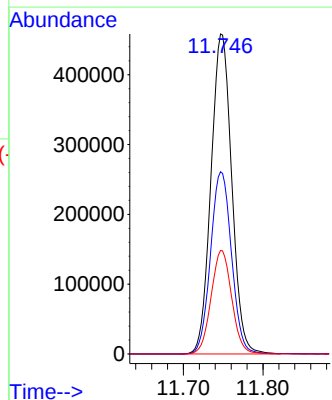
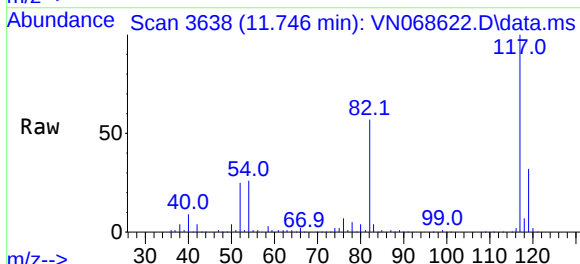
Instrument :
MSVOA_N
ClientSampleId :
FB02-BL

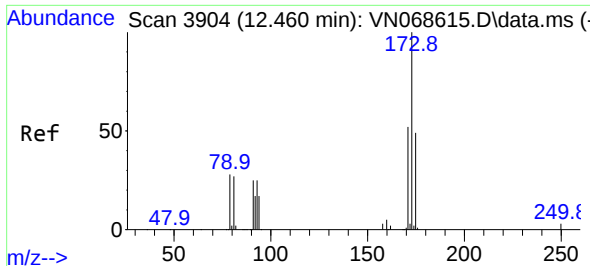
Tgt Ion: 95 Resp: 420313
Ion Ratio Lower Upper
95 100
174 73.6 0.0 122.0
176 70.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion: 117 Resp: 830727
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 32.3 25.5 38.3

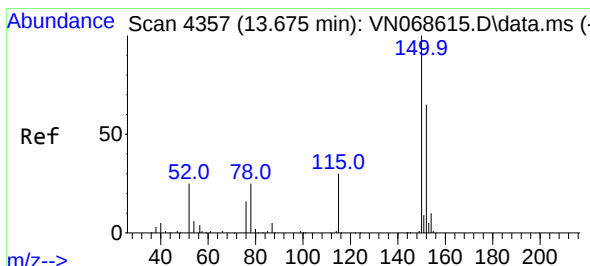
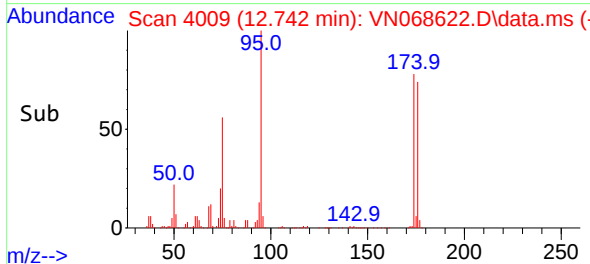
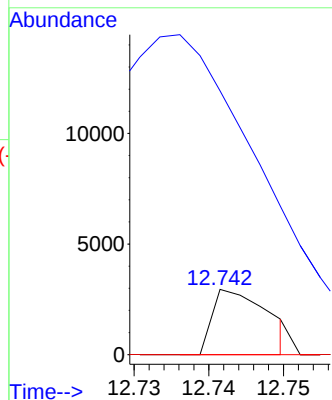
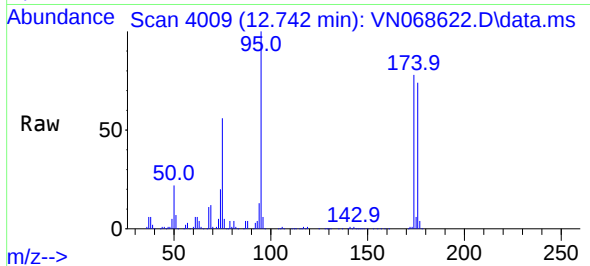




#71
Bromoform
Concen: 0.314 ug/l
RT: 12.742 min Scan# 4009
Delta R.T. 0.281 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

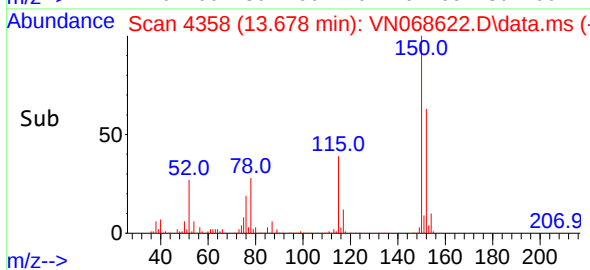
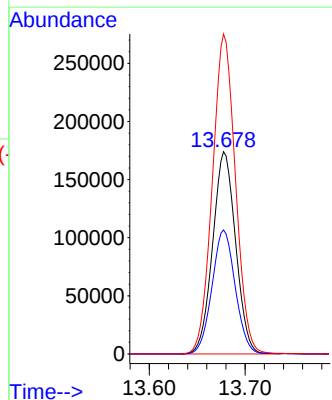
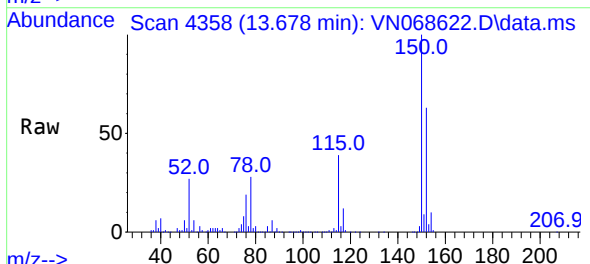
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

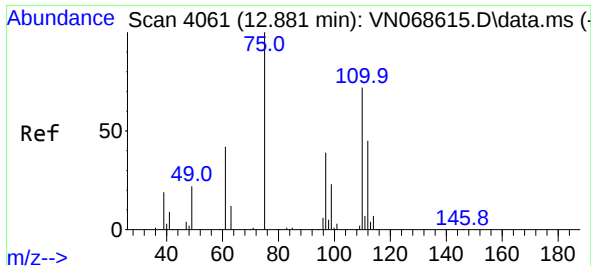
Tgt Ion:173 Resp: 1519
Ion Ratio Lower Upper
173 100
175 1504.8 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Tgt Ion:152 Resp: 290101
Ion Ratio Lower Upper
152 100
115 62.0 36.1 108.5
150 158.6 0.0 351.8

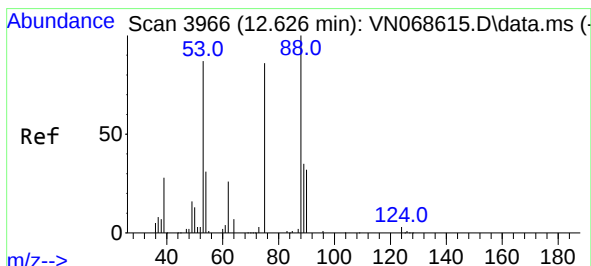
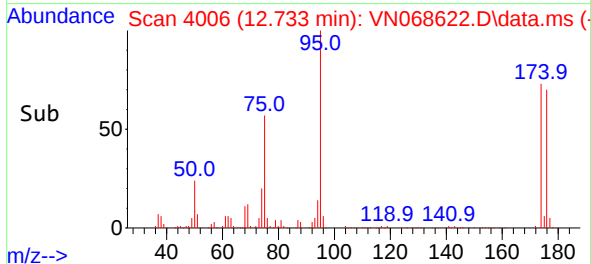
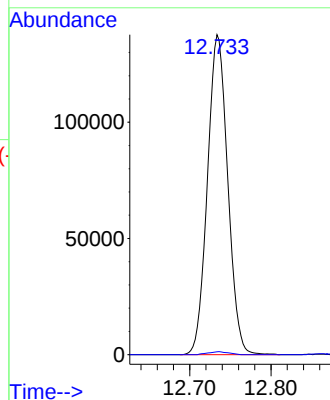
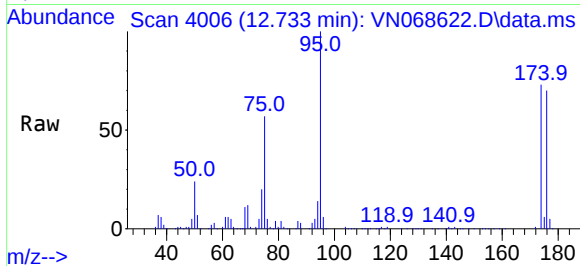




#76
1,2,3-Trichloropropane
Concen: 33.294 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

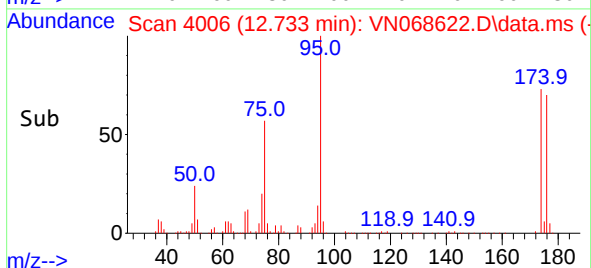
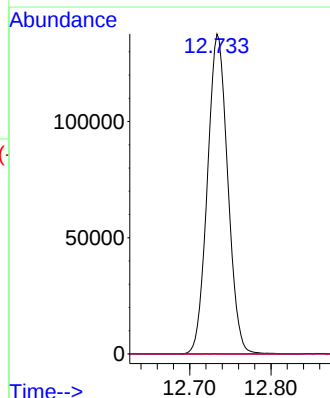
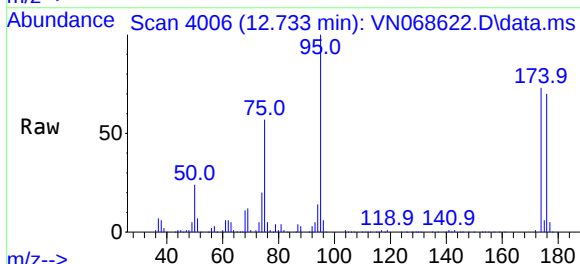
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

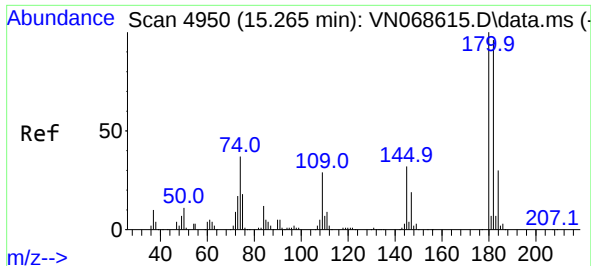
Tgt Ion: 75 Resp: 238818
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.048 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

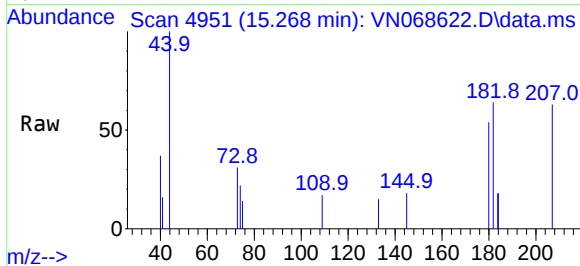
Tgt Ion: 75 Resp: 238818
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



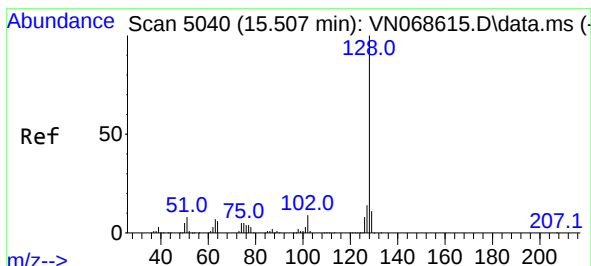
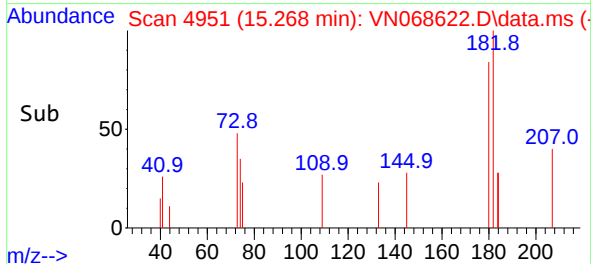
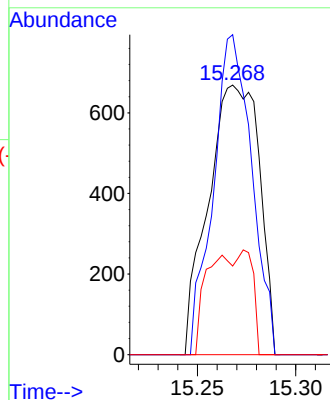


#93
1,2,4-Trichlorobenzene
Concen: 0.249 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

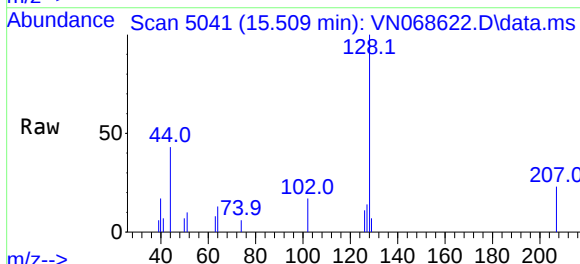
Instrument :
MSVOA_N
ClientSampleId :
FB02-BL



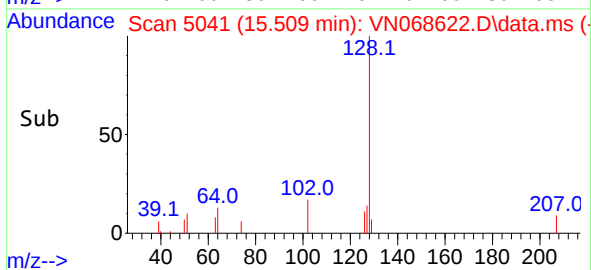
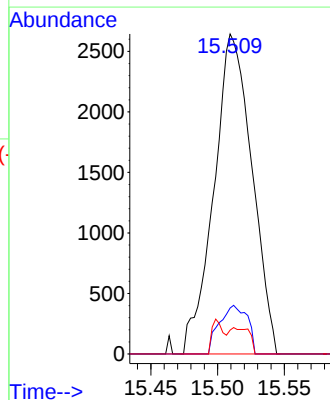
Tgt Ion:180 Resp: 1210
Ion Ratio Lower Upper
180 100
182 89.1 47.5 142.5
145 20.2 17.2 51.6

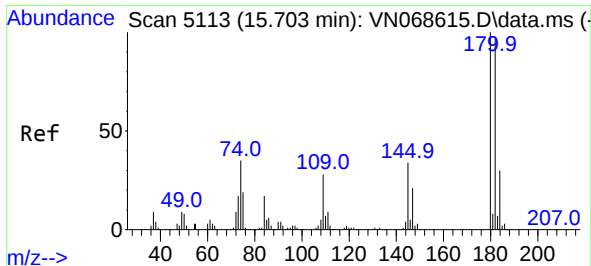


#95
Naphthalene
Concen: 1.959 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10



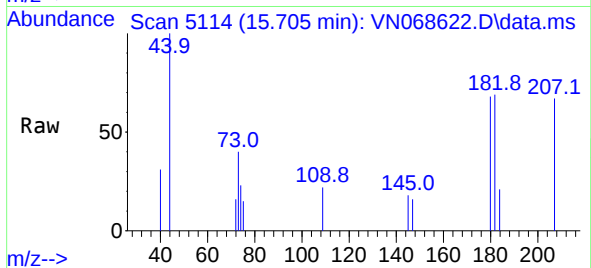
Tgt Ion:128 Resp: 5235
Ion Ratio Lower Upper
128 100
127 11.2 10.6 15.8
129 4.2 8.6 12.8#





#96
1,2,3-Trichlorobenzene
Concen: 0.297 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068622.D
Acq: 23 Sep 2021 16:10

Instrument :
MSVOA_N
ClientSampleId :
FB02-BL



Tgt Ion:180 Resp: 1414

Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.8	143.3
145	11.0	18.2	54.6#

