

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093021\
 Data File : VN068767.D
 Acq On : 30 Sep 2021 17:04
 Operator : JC/MD
 Sample : M3915-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-20210921RE

Quant Time: Oct 01 01:56:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

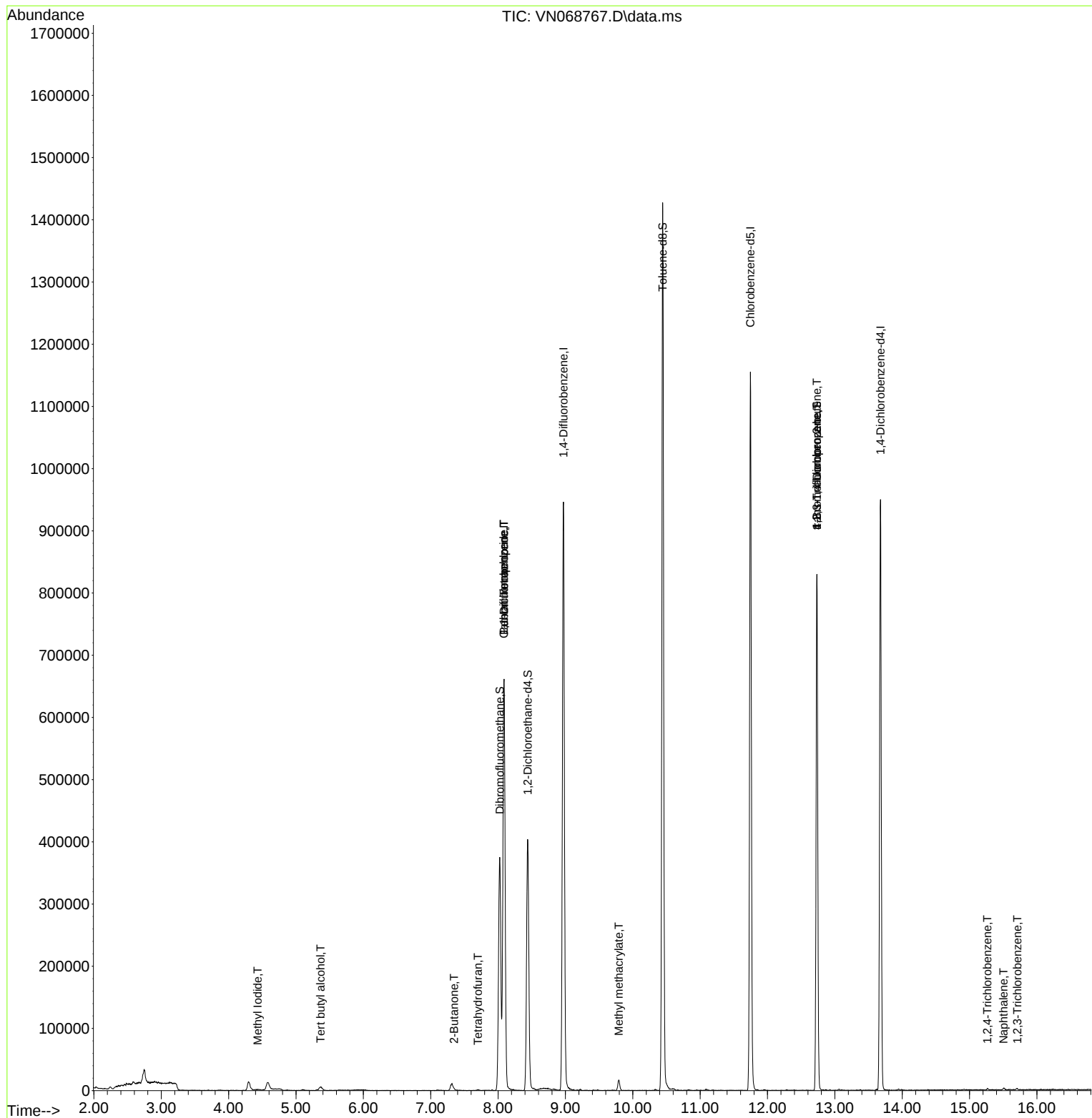
Internal Standards						
1) Pentafluorobenzene	8.088	168	484702	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	829424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	650355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	239836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	335929	49.742	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.480%		
35) Dibromofluoromethane	8.027	113	265085	51.439	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.880%		
50) Toluene-d8	10.443	98	980775	52.082	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.160%		
62) 4-Bromofluorobenzene	12.733	95	264985	40.496	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	81.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	976	Below Cal	#	68
5) Bromomethane	2.877	94	2128	Below Cal	#	79
6) Chloroethane	3.019	64	174	Below Cal	#	44
10) Methyl Iodide	4.430	142	56	1.362	ug/l #	33
11) Tert butyl alcohol	5.366	59	8347	9.218	ug/l #	80
16) Acetone	4.296	43	25324	Below Cal		100
17) Carbon Disulfide	4.535	76	528	Below Cal	#	74
25) 2-Butanone	7.345	43	1999	0.527	ug/l #	84
29) Tetrahydrofuran	7.702	42	475	0.203	ug/l #	61
31) Cyclohexane	8.088	56	12798	Below Cal	#	29
36) 1,1-Dichloropropene	8.088	75	42238	5.415	ug/l #	52
38) Carbon Tetrachloride	8.086	117	53176	5.738	ug/l #	17
48) Methyl methacrylate	9.791	41	6893	1.206	ug/l #	39
76) 1,2,3-Trichloropropane	12.733	75	155816	29.214	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	155816	84.924	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	912	0.231	ug/l #	74
95) Naphthalene	15.504	128	3666	1.762	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.708	180	940	0.248	ug/l #	52

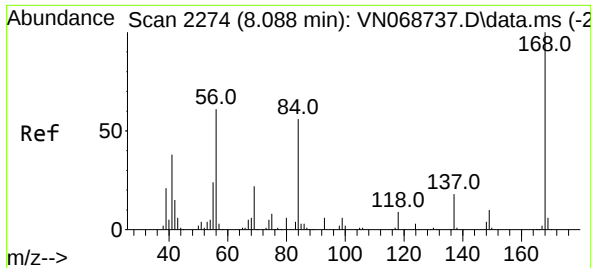
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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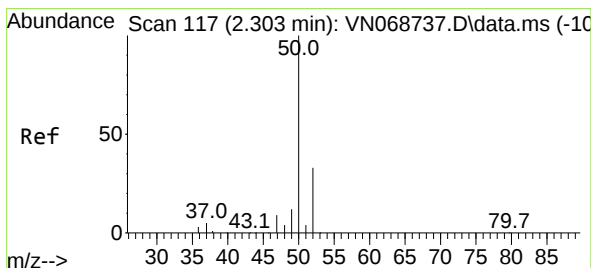
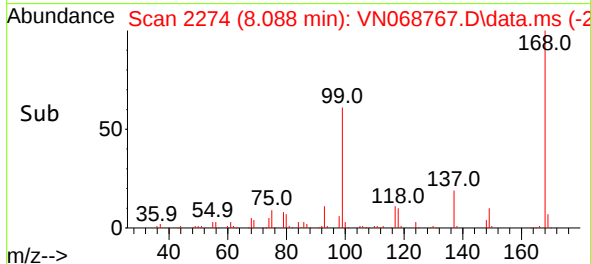
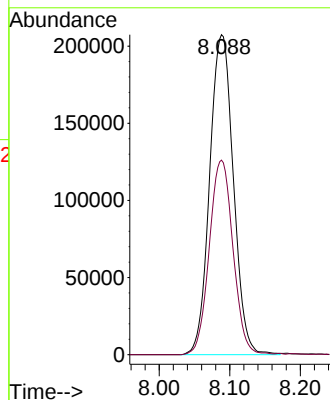
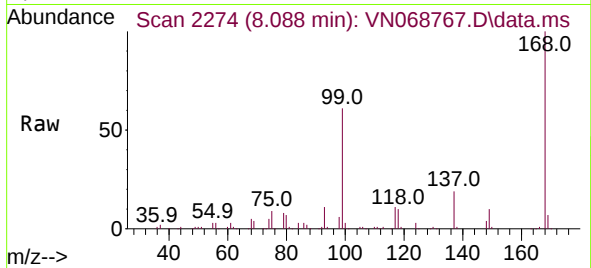




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

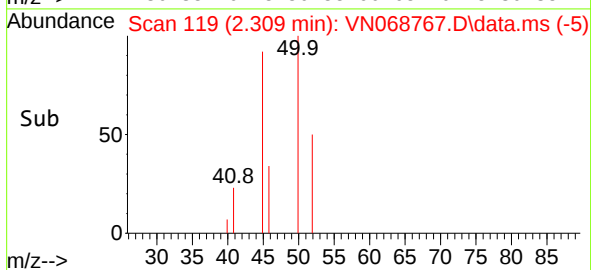
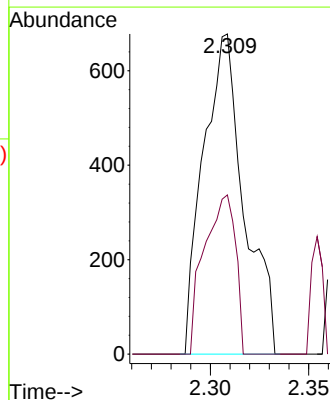
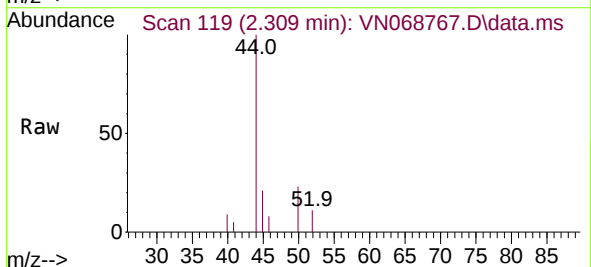
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921RE

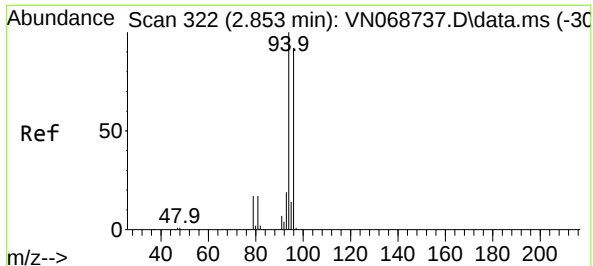
Tgt Ion:168 Resp: 484702
Ion Ratio Lower Upper
168 100
99 60.8 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion: 50 Resp: 976
Ion Ratio Lower Upper
50 100
52 49.7 25.6 38.4#

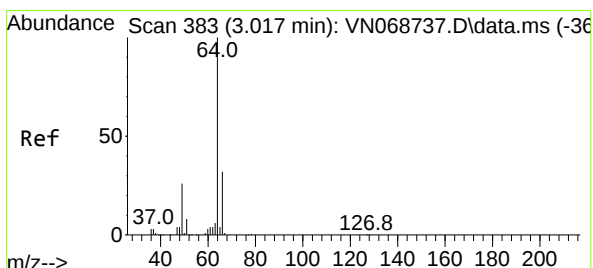
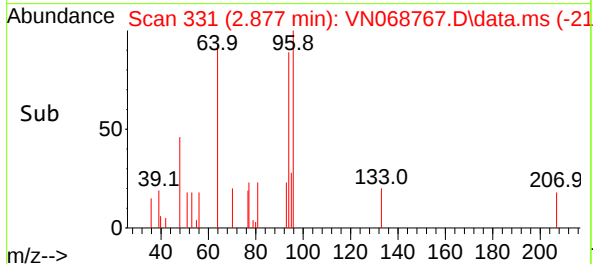
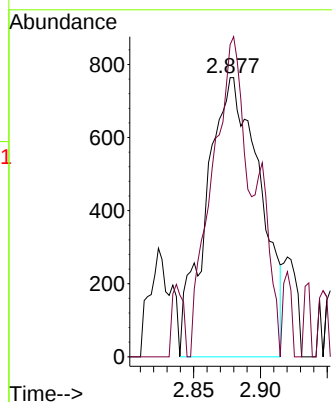
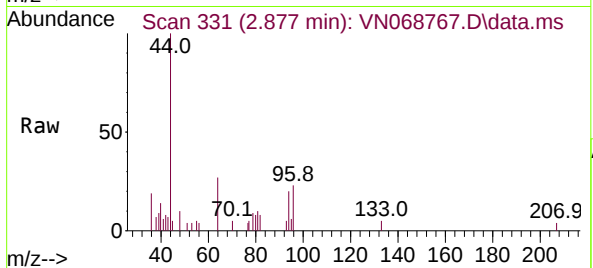




#5
Bromomethane
Concen: Below Cal
RT: 2.877 min Scan# 331
Delta R.T. 0.024 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

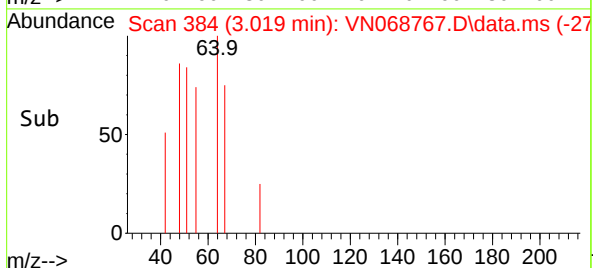
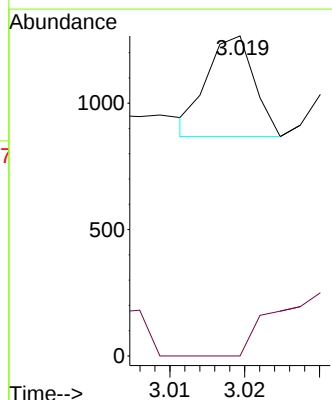
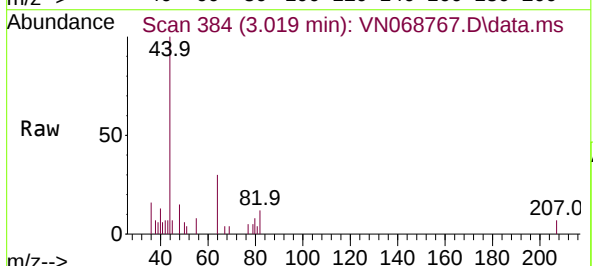
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921RE

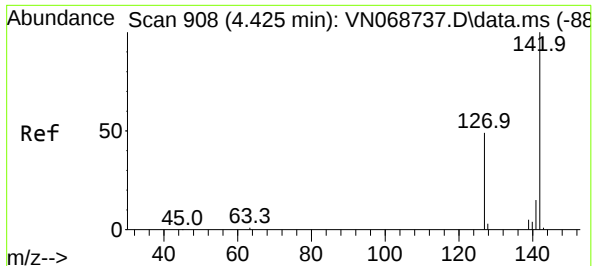
Tgt Ion: 94 Resp: 2128
Ion Ratio Lower Upper
94 100
96 111.8 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.019 min Scan# 384
Delta R.T. 0.002 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion: 64 Resp: 174
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

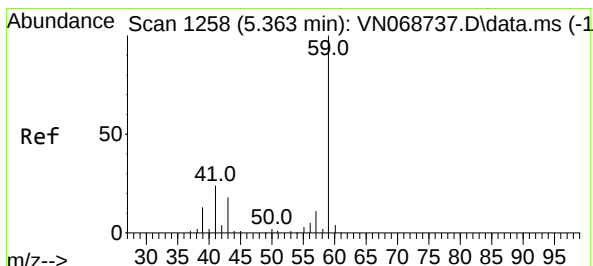
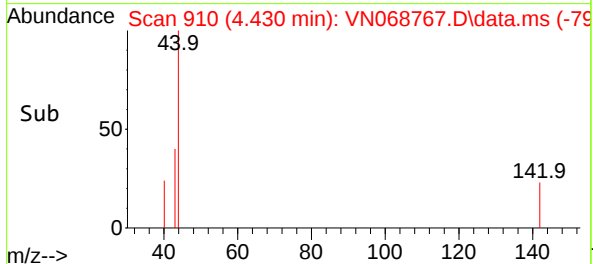
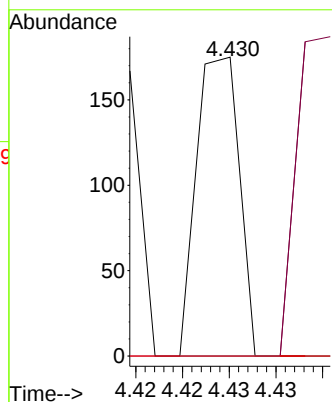
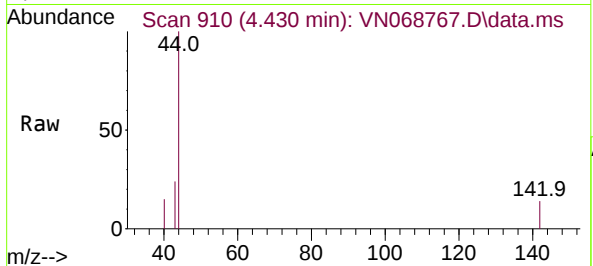




#10
Methyl Iodide
Concen: 1.362 ug/l
RT: 4.430 min Scan# 910
Delta R.T. 0.005 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

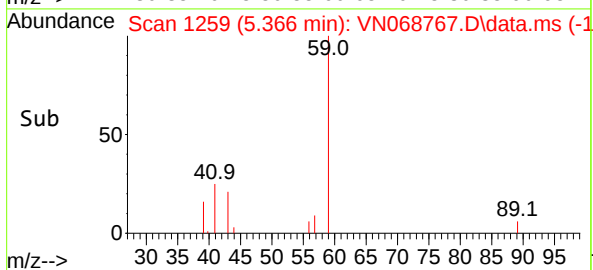
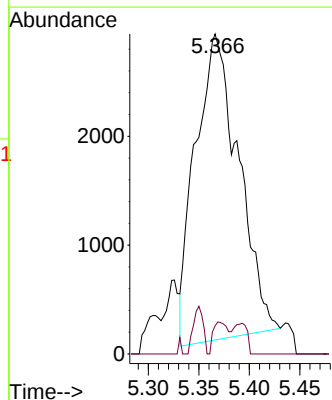
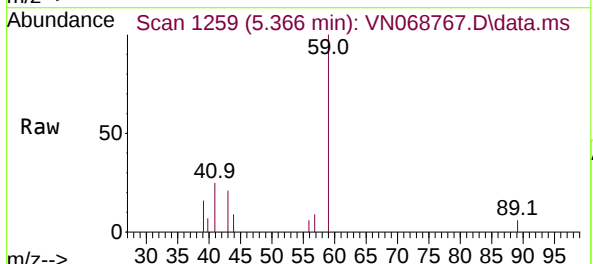
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921RE

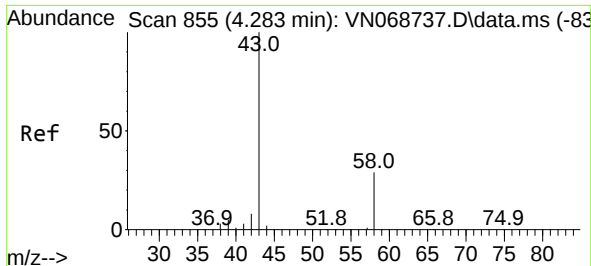
Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 9.218 ug/l
RT: 5.366 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion: 59 Resp: 8347
Ion Ratio Lower Upper
59 100
57 3.4 8.7 13.1#

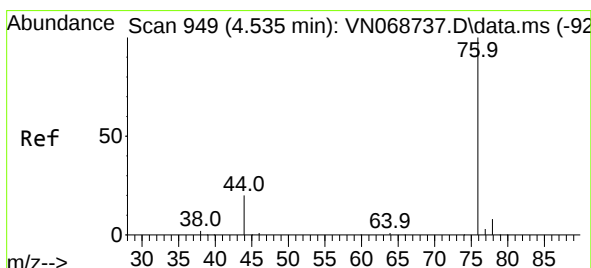
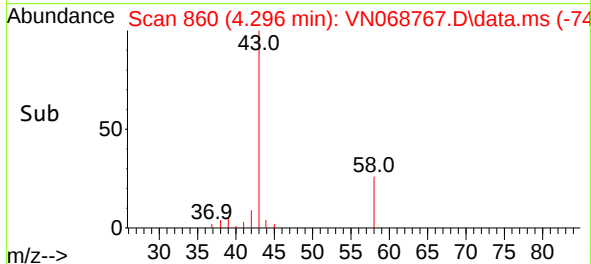
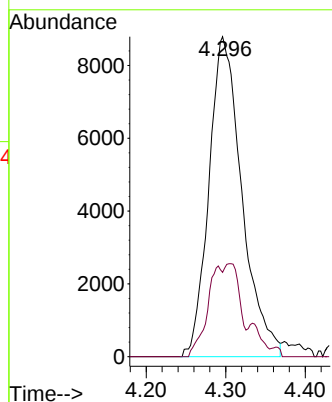
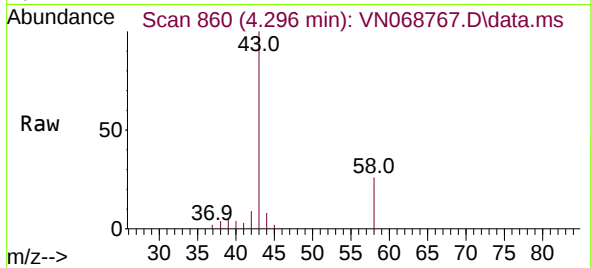




#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.013 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

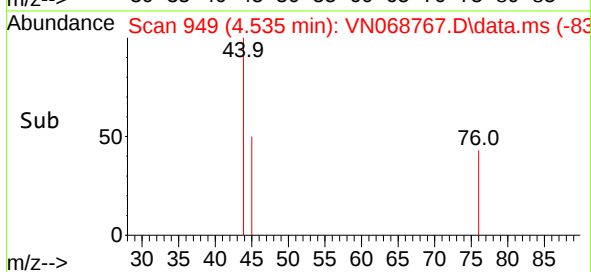
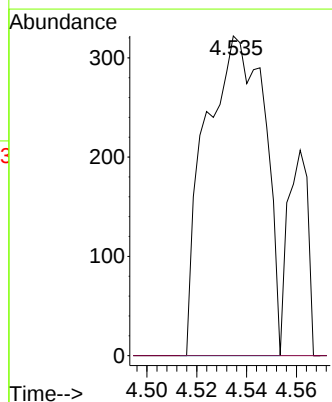
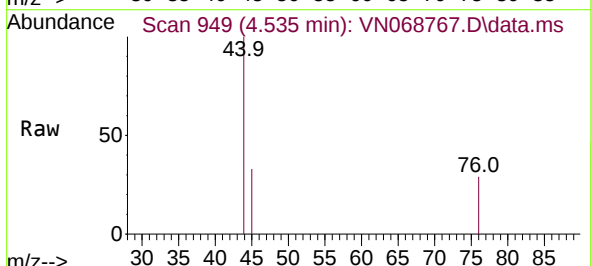
Instrument :
MSVOA_N
ClientSampleId :
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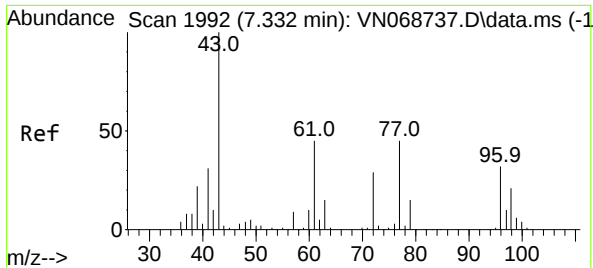
Tgt Ion: 43 Resp: 25324
Ion Ratio Lower Upper
43 100
58 26.4 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.535 min Scan# 949
Delta R.T. -0.000 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion: 76 Resp: 528
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

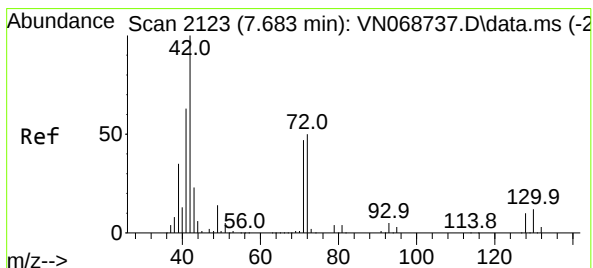
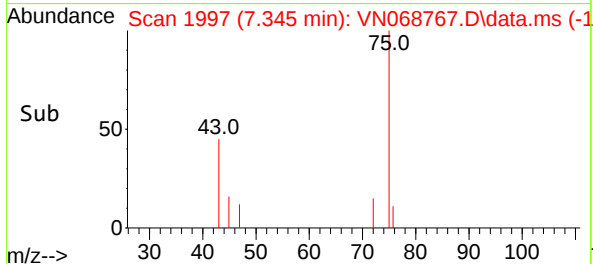
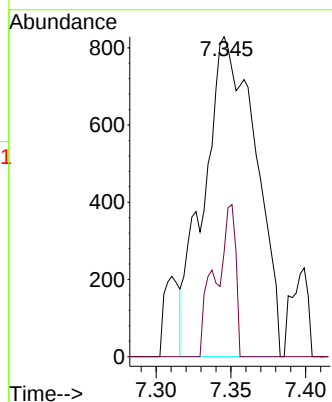
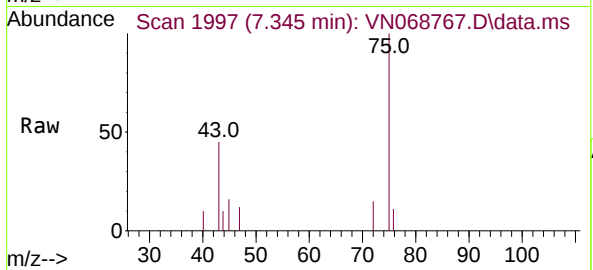




#25
2-Butanone
Concen: 0.527 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

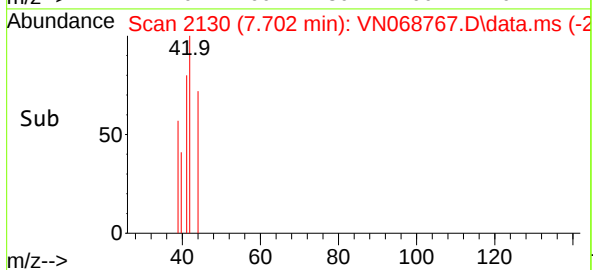
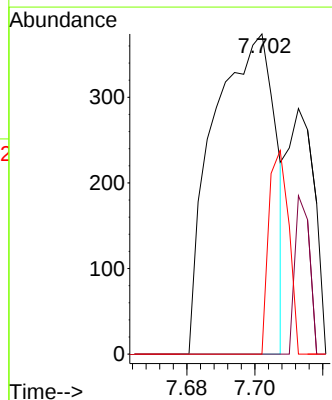
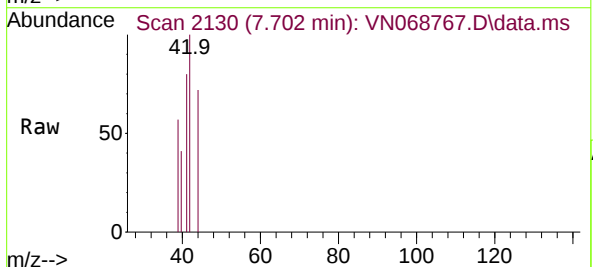
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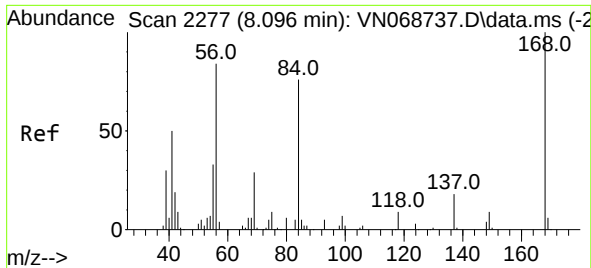
Tgt Ion: 43 Resp: 1999
Ion Ratio Lower Upper
43 100
72 32.4 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.203 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion: 42 Resp: 475
Ion Ratio Lower Upper
42 100
72 11.6 32.8 49.2#
71 20.2 31.2 46.8#

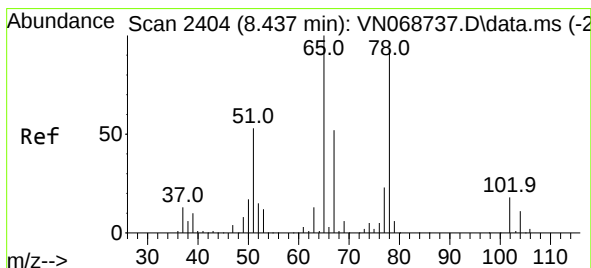
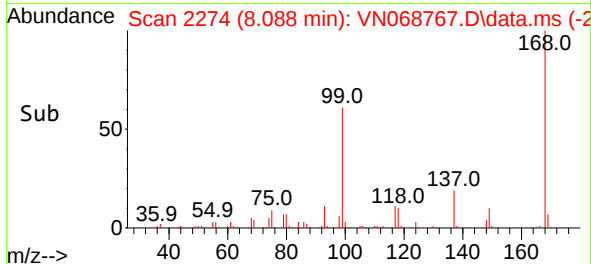
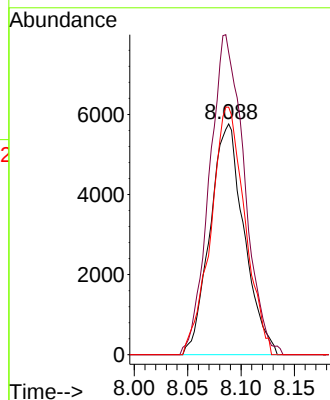
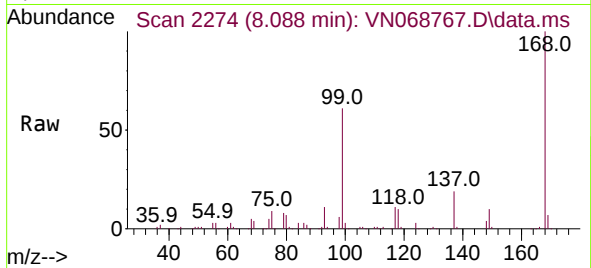




#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

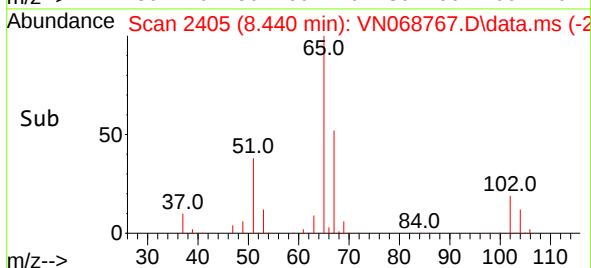
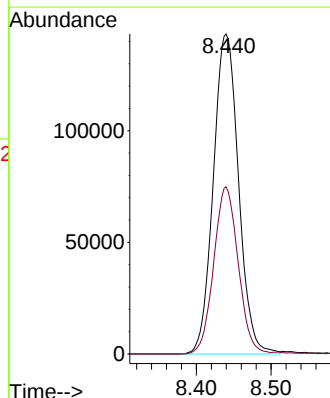
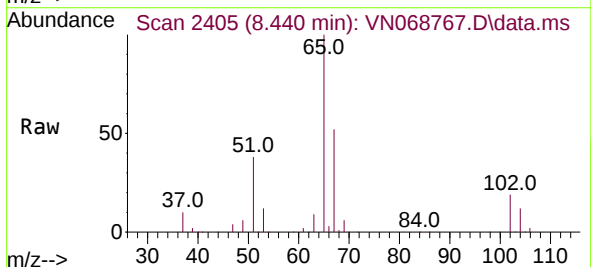
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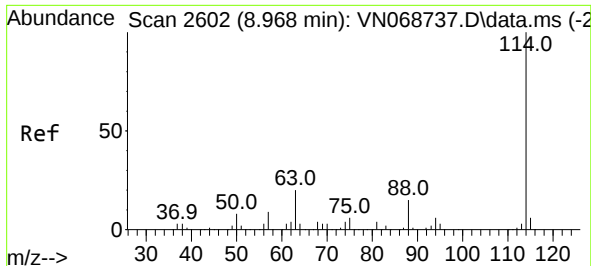
Tgt Ion: 56 Resp: 12798
Ion Ratio Lower Upper
56 100
69 131.1 27.3 40.9#
84 107.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.742 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion: 65 Resp: 335929
Ion Ratio Lower Upper
65 100
67 50.6 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: VN068767.D

Acq: 30 Sep 2021 17:04

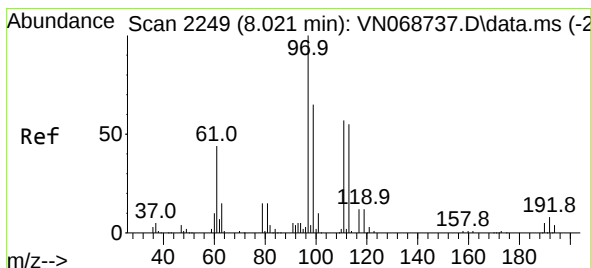
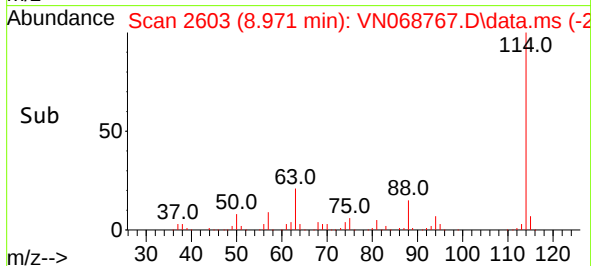
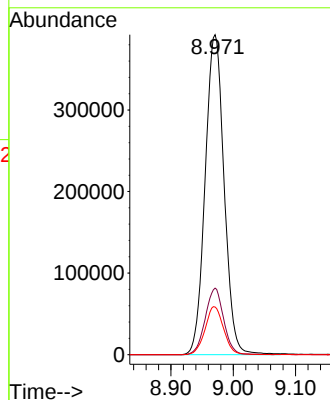
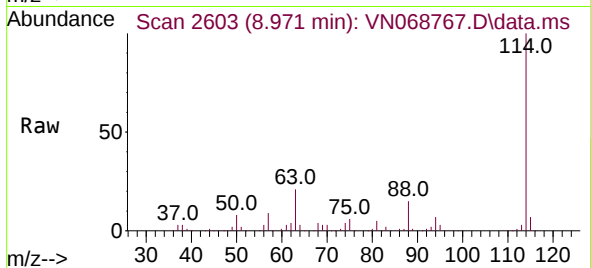
Tgt Ion:114 Resp: 829424

Ion Ratio Lower Upper

114 100

63 20.8 0.0 49.0

88 14.9 0.0 36.6



#35

Dibromofluoromethane

Concen: 51.439 ug/l

RT: 8.027 min Scan# 2251

Delta R.T. 0.006 min

Lab File: VN068767.D

Acq: 30 Sep 2021 17:04

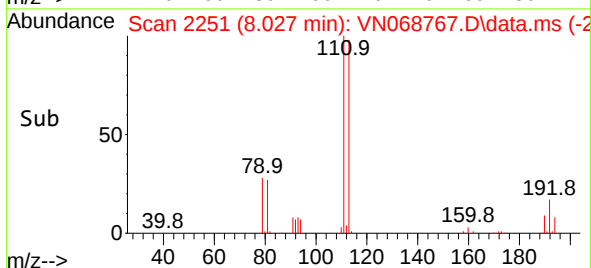
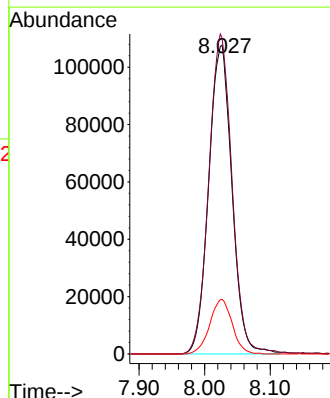
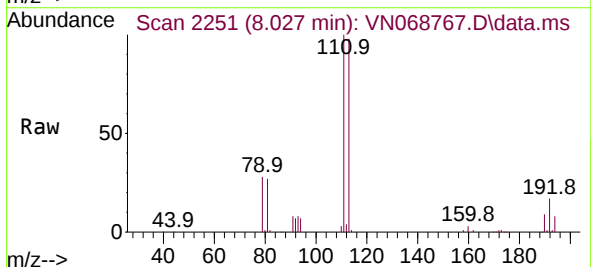
Tgt Ion:113 Resp: 265085

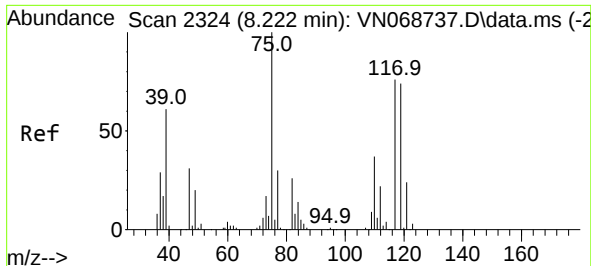
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.8

192 17.1 13.4 20.0

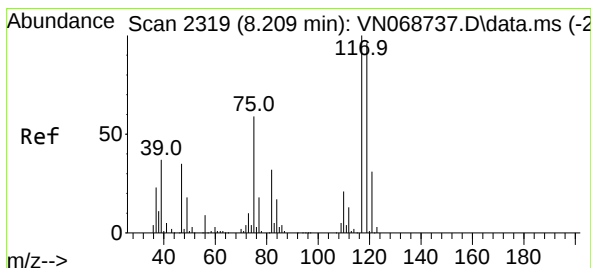
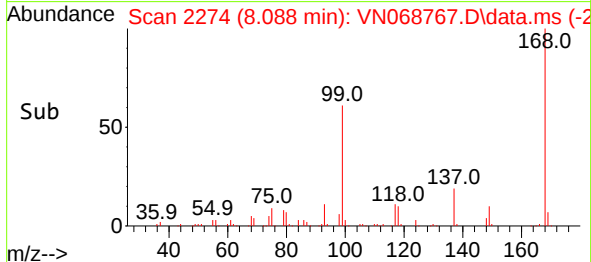
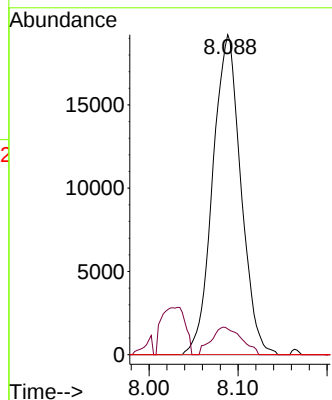
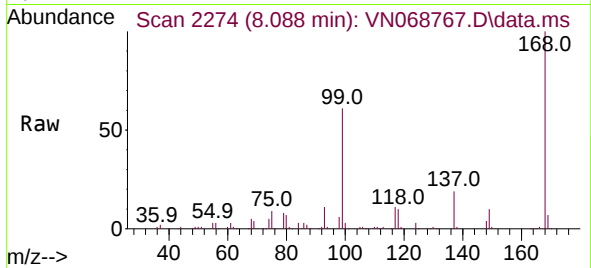




#36
 1,1-Dichloropropene
 Concen: 5.415 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN068767.D
 Acq: 30 Sep 2021 17:04

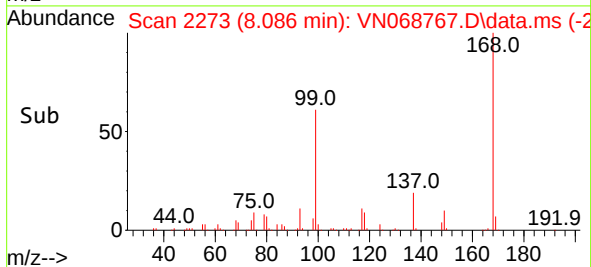
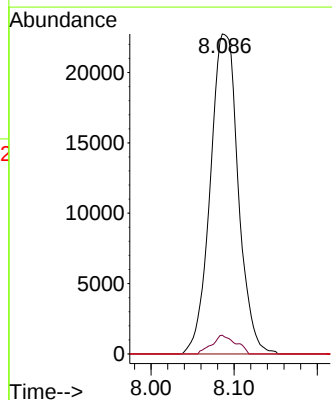
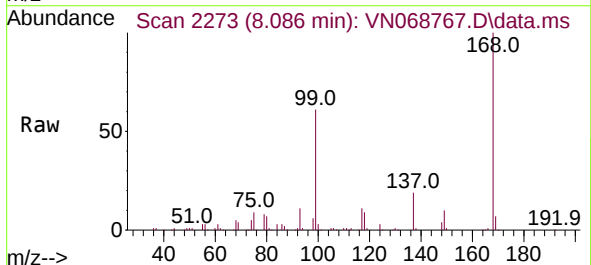
Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-20210921RE

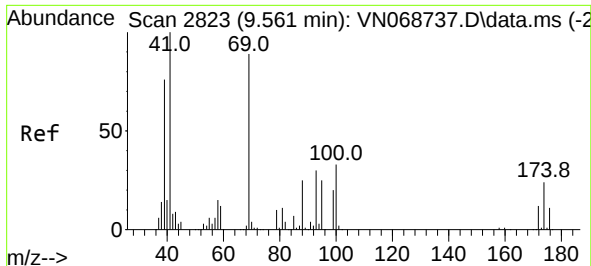
Tgt Ion: 75 Resp: 42238
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.738 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.123 min
 Lab File: VN068767.D
 Acq: 30 Sep 2021 17:04

Tgt Ion: 117 Resp: 53176
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.4 113.2#
 121 0.0 23.5 35.3#

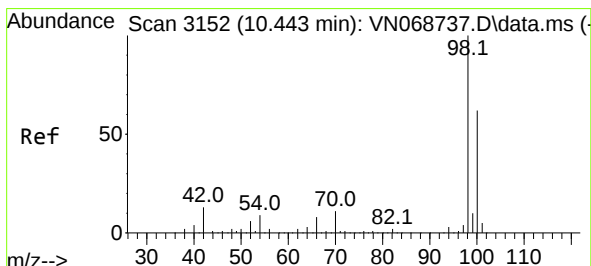
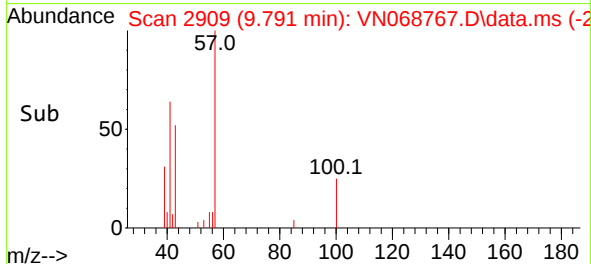
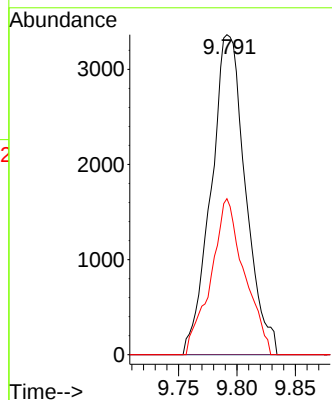
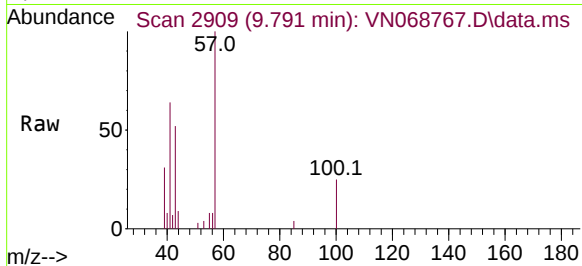




#48
Methyl methacrylate
Concen: 1.206 ug/l
RT: 9.791 min Scan# 2909
Delta R.T. 0.230 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

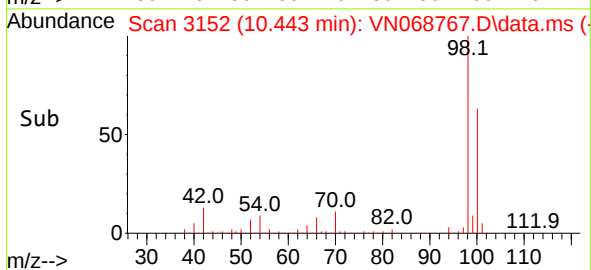
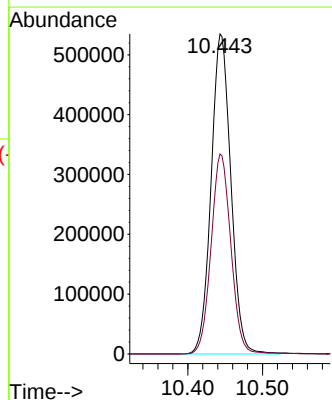
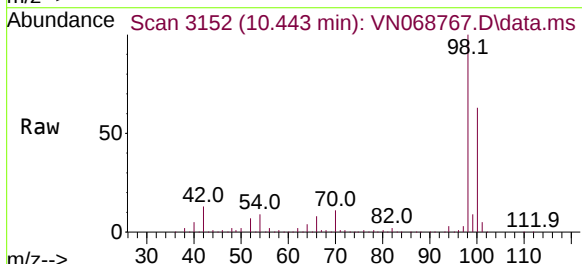
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921RE

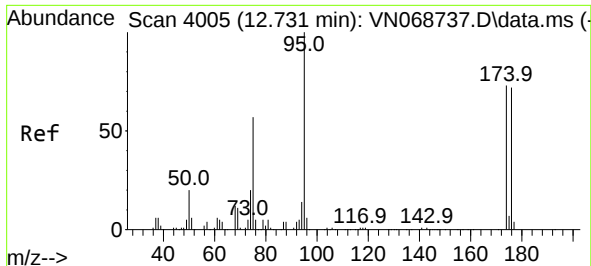
Tgt Ion: 41 Resp: 6893
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 47.5 53.3 79.9#



#50
Toluene-d8
Concen: 52.082 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion: 98 Resp: 980775
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5

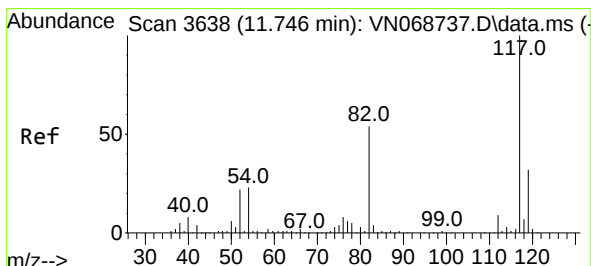
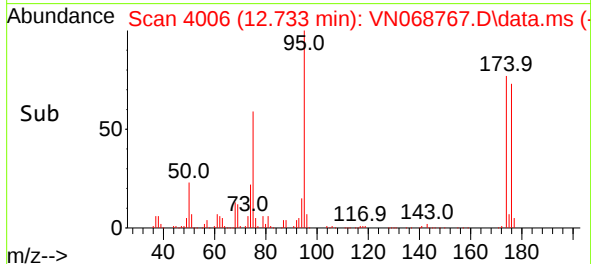
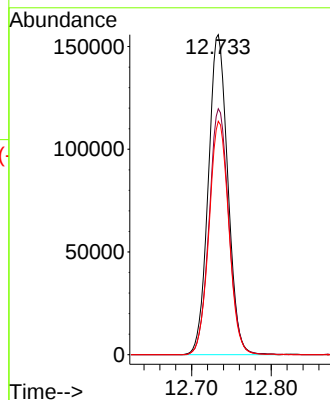
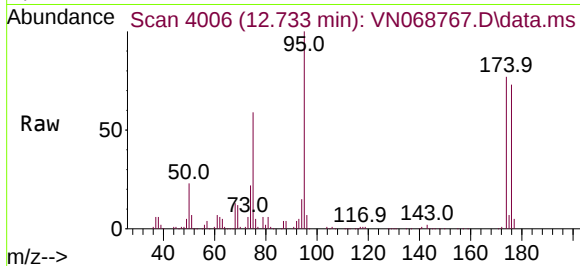




#62
4-Bromofluorobenzene
Concen: 40.496 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

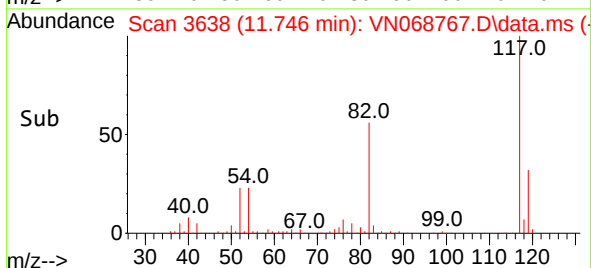
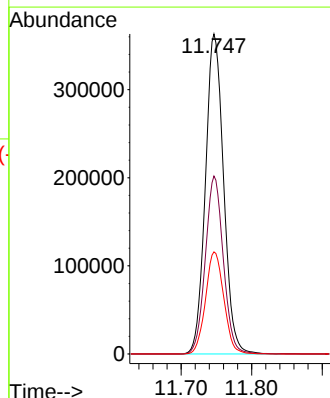
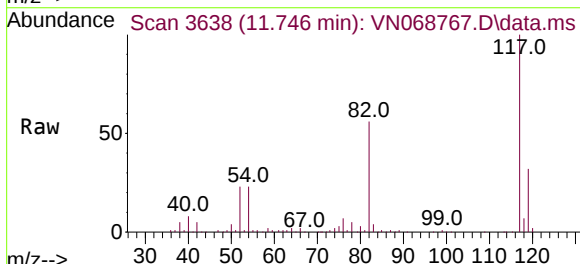
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921RE

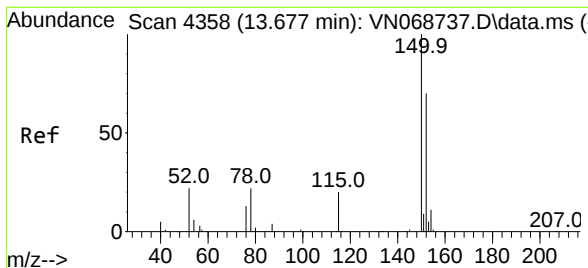
Tgt Ion: 95 Resp: 264985
Ion Ratio Lower Upper
95 100
174 77.8 0.0 122.0
176 74.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion: 117 Resp: 650355
Ion Ratio Lower Upper
117 100
82 55.6 53.1 79.7
119 31.9 25.5 38.3

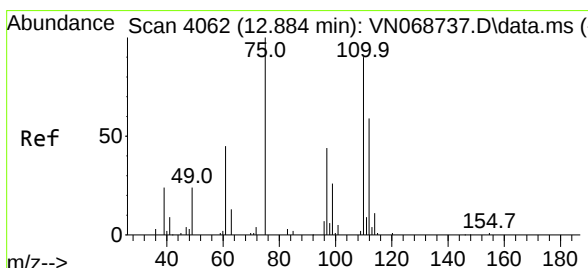
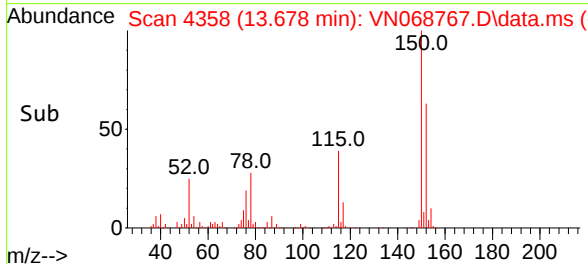
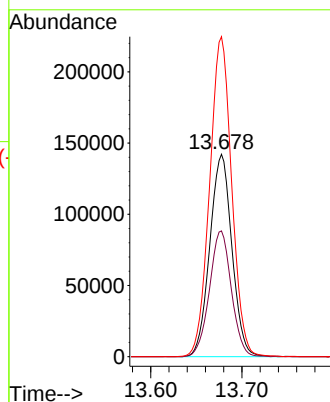
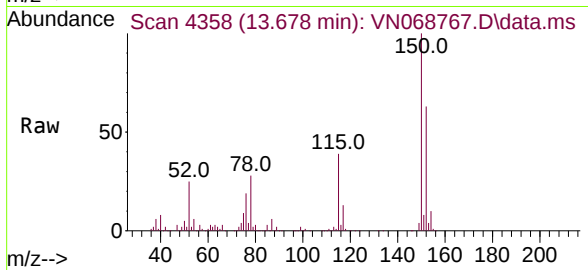




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

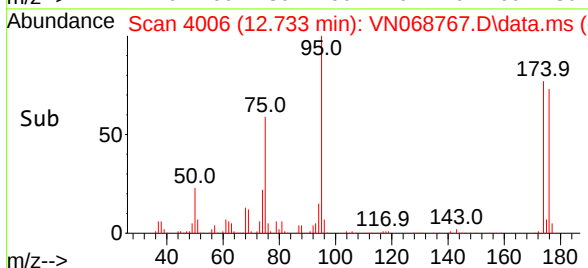
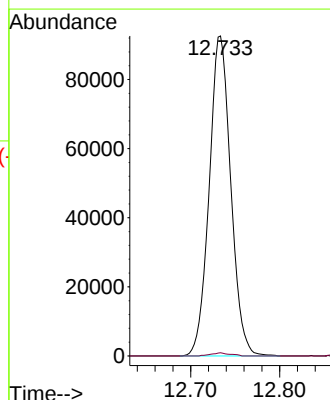
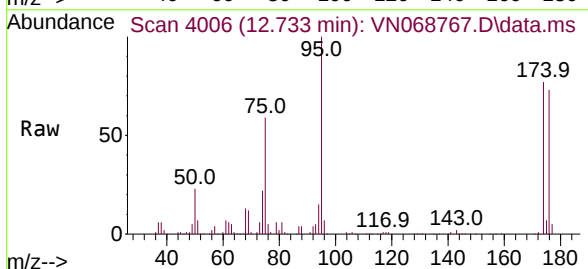
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921RE

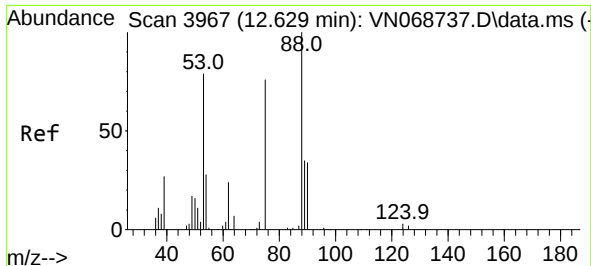
Tgt Ion:152 Resp: 239836
Ion Ratio Lower Upper
152 100
115 61.4 36.1 108.5
150 157.5 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 29.214 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion: 75 Resp: 155816
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

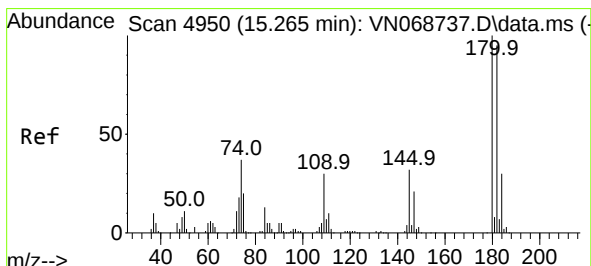
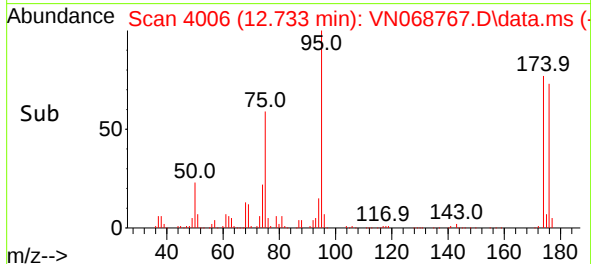
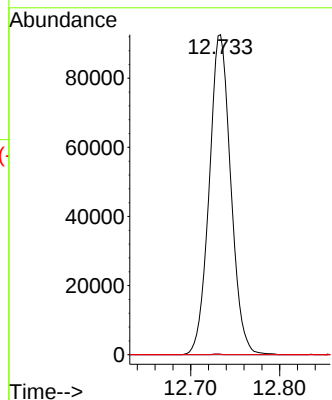
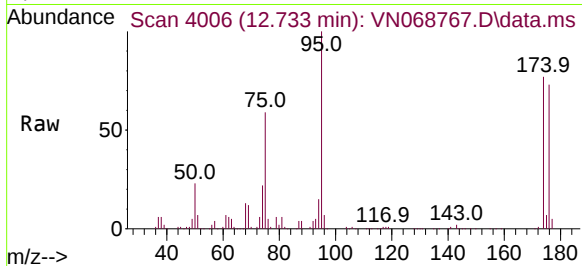




#81
trans-1,4-Dichloro-2-butene
Concen: 84.924 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

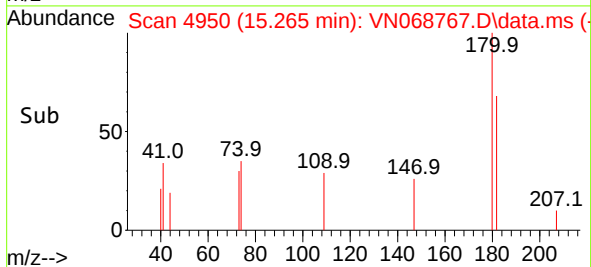
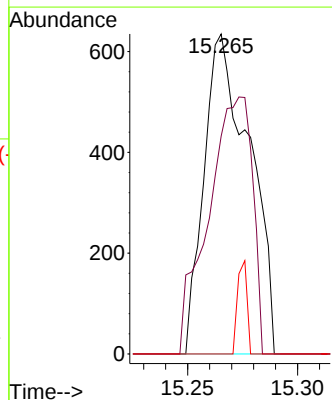
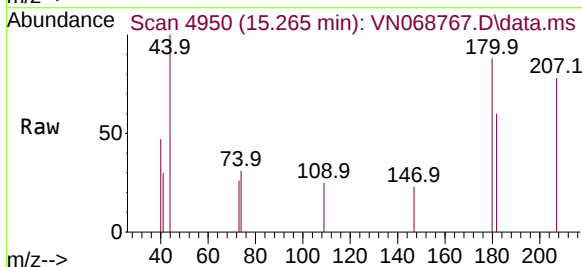
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921RE

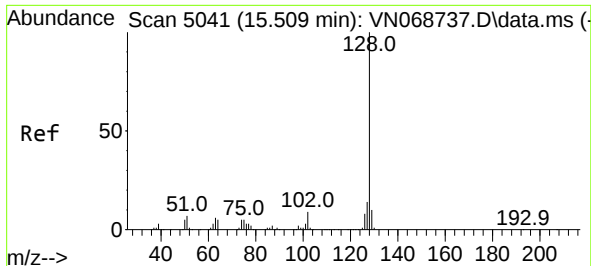
Tgt Ion: 75 Resp: 155816
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.231 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion:180 Resp: 912
Ion Ratio Lower Upper
180 100
182 78.2 47.5 142.5
145 6.0 17.2 51.6#

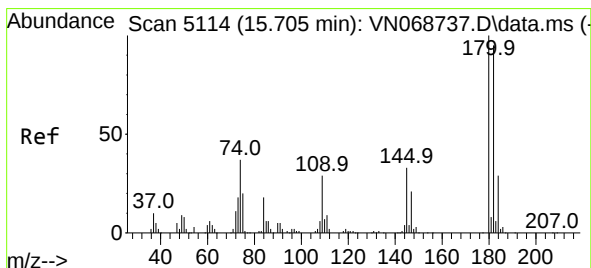
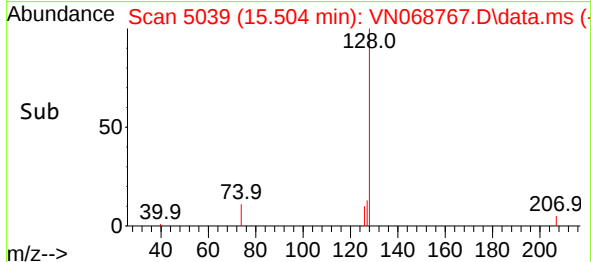
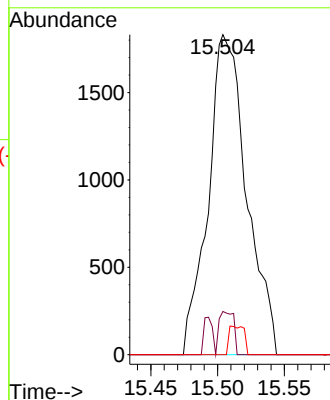
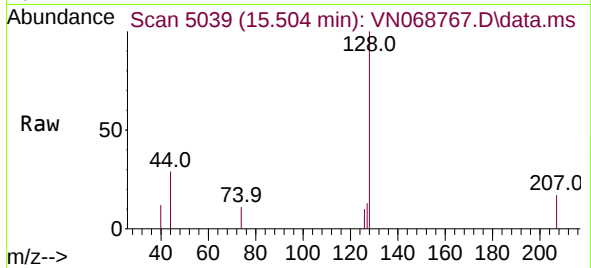




#95
Naphthalene
Concen: 1.762 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921RE

Tgt Ion:128	Resp:	3666
Ion Ratio	Lower	Upper
128	100	
127	5.1	10.6 15.8#
129	3.5	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.248 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.003 min
Lab File: VN068767.D
Acq: 30 Sep 2021 17:04

Tgt Ion:180	Resp:	940
Ion Ratio	Lower	Upper
180	100	
182	53.6	47.8 143.3
145	0.0	18.2 54.6#

