

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092421\
 Data File : VN068643.D
 Acq On : 24 Sep 2021 17:01
 Operator : JC/MD
 Sample : M3911-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-CB-04-(0.5)

Quant Time: Sep 24 17:23:36 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)

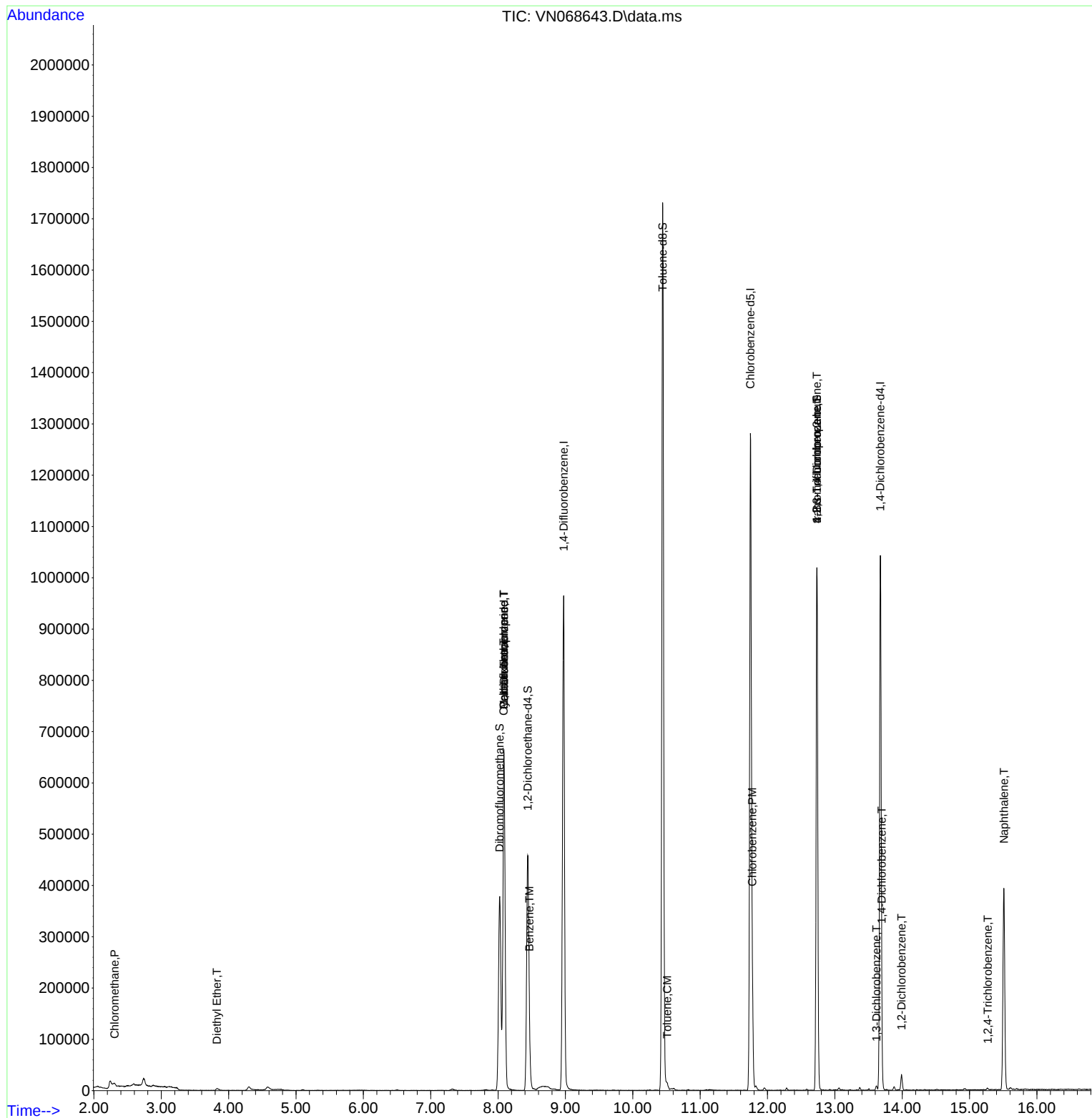
Internal Standards						
1) Pentafluorobenzene	8.088	168	481624	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.973	114	813021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	693393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	267546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	369357	49.125	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.260%		
35) Dibromofluoromethane	8.024	113	277722	51.046	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.100%		
50) Toluene-d8	10.443	98	1173397	50.889	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.780%		
62) 4-Bromofluorobenzene	12.734	95	335844	42.588	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.180%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	2102	0.248	ug/l	93
5) Bromomethane	2.880	94	1275	Below Cal	#	74
6) Chloroethane	3.006	64	533	Below Cal	#	44
8) Diethyl Ether	3.824	74	1816	0.539	ug/l	77
16) Acetone	4.301	43	12800	Below Cal	#	88
20) Methylene Chloride	5.101	84	632	Below Cal	#	70
31) Cyclohexane	8.083	56	12303	1.166	ug/l	# 28
36) 1,1-Dichloropropene	8.086	75	40343	4.913	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	50222	5.922	ug/l	# 16
40) Benzene	8.464	78	52448	2.176	ug/l	98
52) Toluene	10.513	92	3607	0.236	ug/l	95
65) Chlorobenzene	11.773	112	103691	7.079	ug/l	97
76) 1,2,3-Trichloropropane	12.734	75	188516	28.497	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	188516	80.497	ug/l	# 6
87) 1,3-Dichlorobenzene	13.619	146	3389	0.363	ug/l	91
88) 1,4-Dichlorobenzene	13.696	146	9413	0.993	ug/l	89
91) 1,2-Dichlorobenzene	13.989	146	11326	1.251	ug/l	94
93) 1,2,4-Trichlorobenzene	15.271	180	1010	0.225	ug/l	97
95) Naphthalene	15.509	128	349792	27.881	ug/l	99

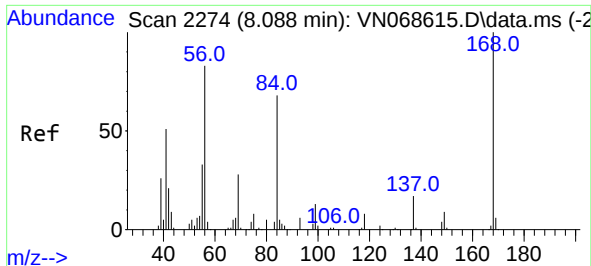
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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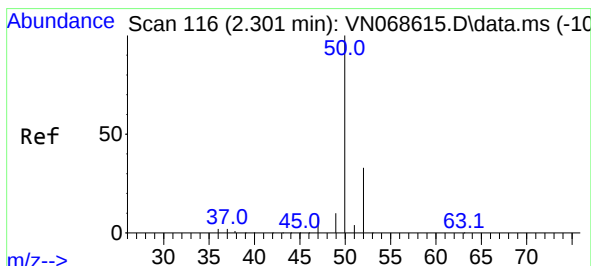
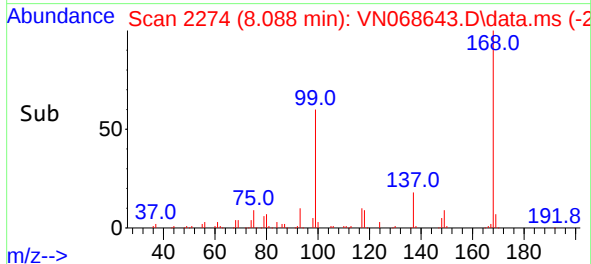
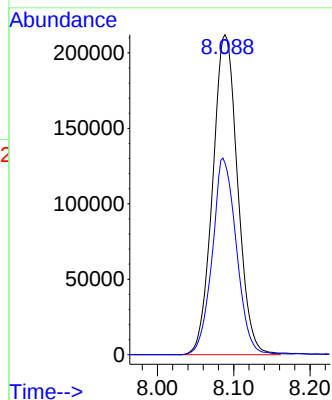
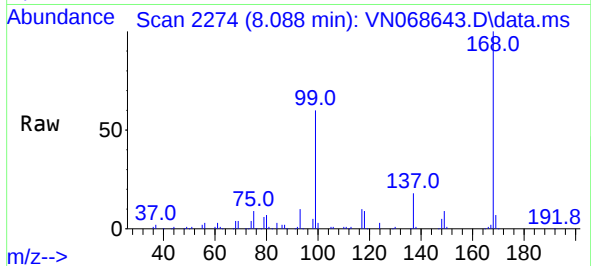




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

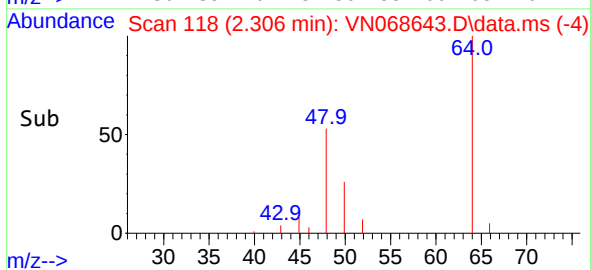
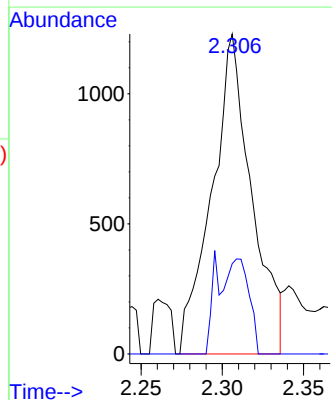
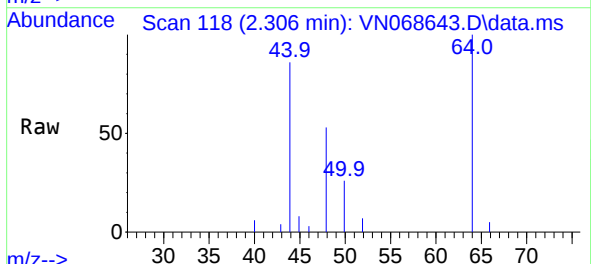
Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

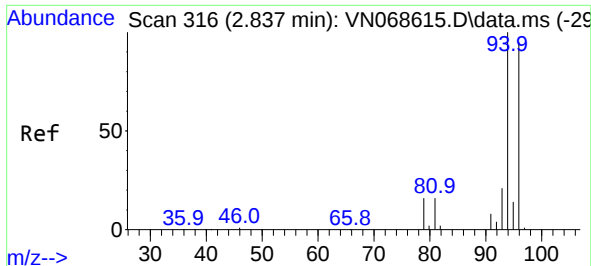
Tgt Ion:168 Resp: 481624
Ion Ratio Lower Upper
168 100
99 59.9 62.9 94.3#



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 50 Resp: 2102
Ion Ratio Lower Upper
50 100
52 28.2 25.6 38.4

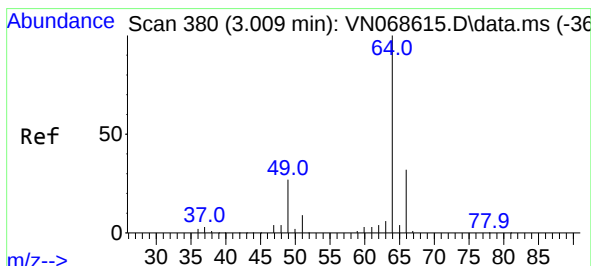
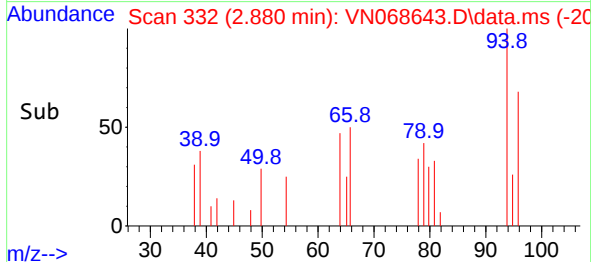
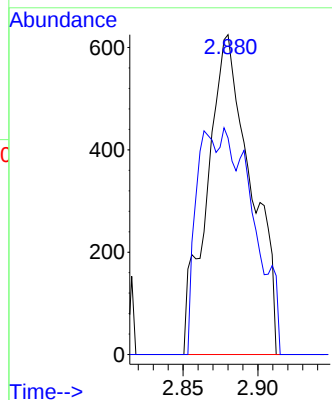
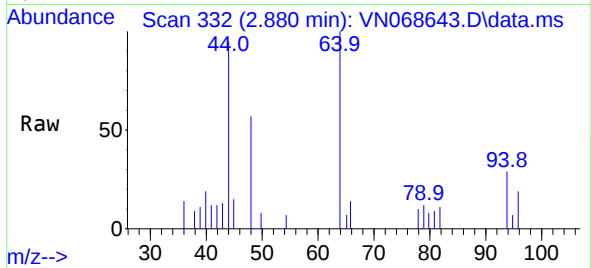




#5
Bromomethane
Concen: Below Cal
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

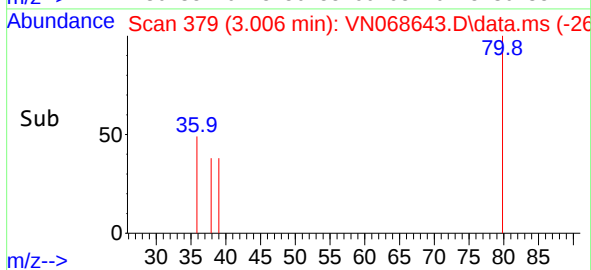
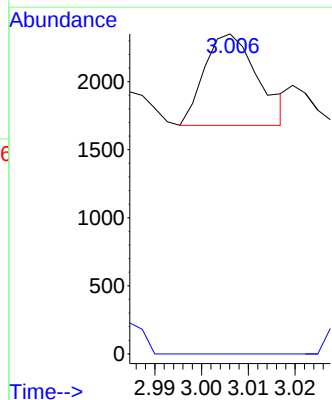
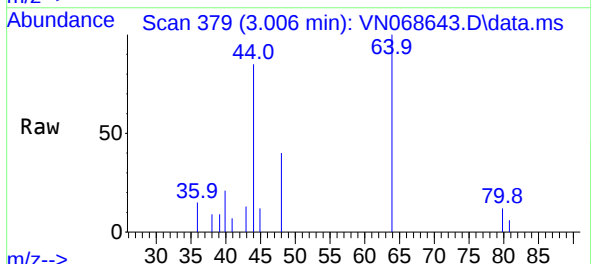
Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

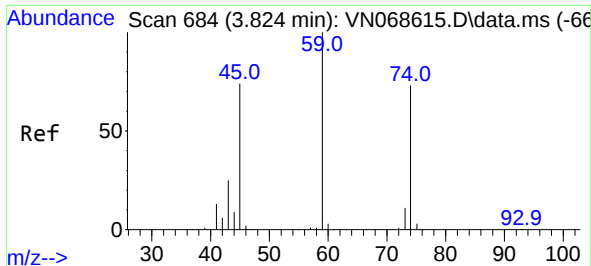
Tgt Ion: 94 Resp: 1275
Ion Ratio Lower Upper
94 100
96 67.7 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.006 min Scan# 379
Delta R.T. -0.003 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 64 Resp: 533
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

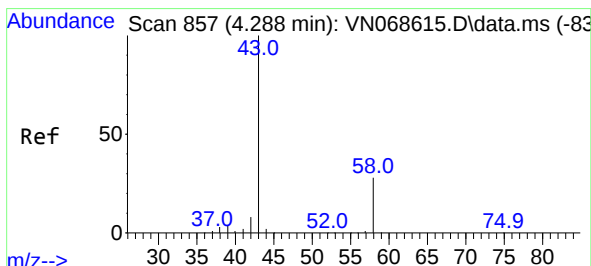
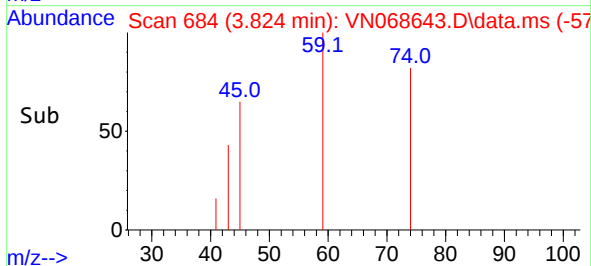
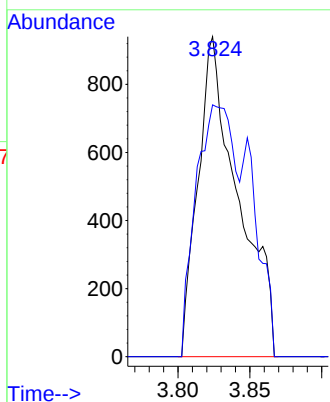
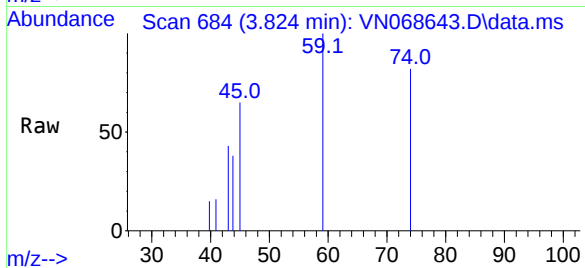




#8
Diethyl Ether
Concen: 0.539 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.000 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

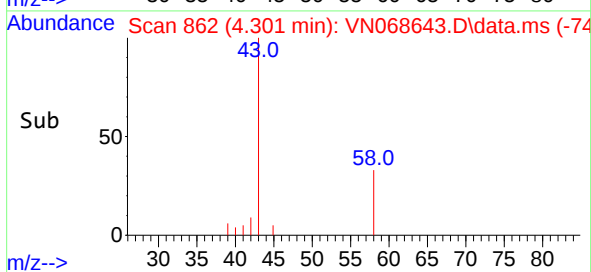
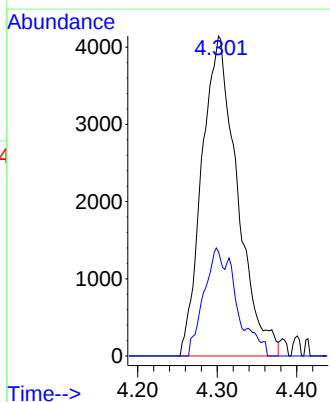
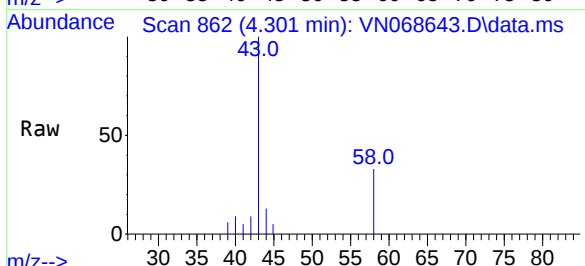
Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

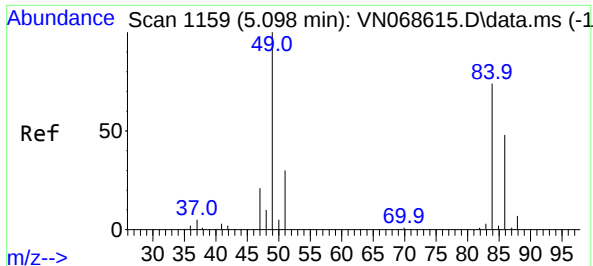
Tgt Ion: 74 Resp: 1816
Ion Ratio Lower Upper
74 100
45 77.1 50.2 150.7



#16
Acetone
Concen: Below Cal
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 43 Resp: 12800
Ion Ratio Lower Upper
43 100
58 32.6 21.2 31.8#



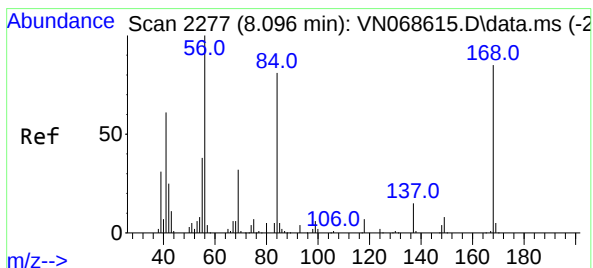
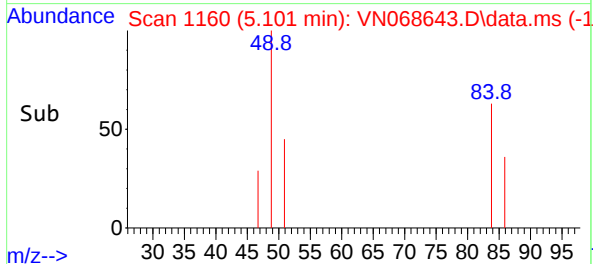
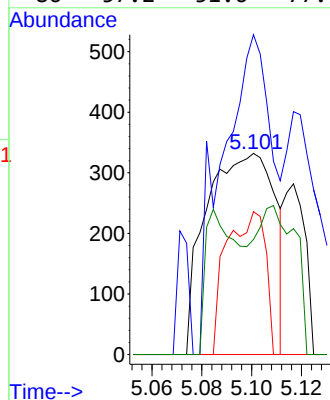
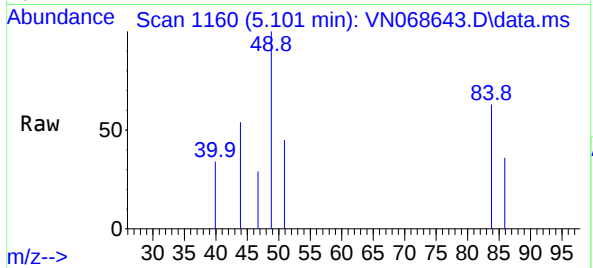


#20
Methylene Chloride
Concen: Below Cal
RT: 5.101 min Scan# 1160
Delta R.T. 0.003 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

Tgt Ion: 84 Resp: 632

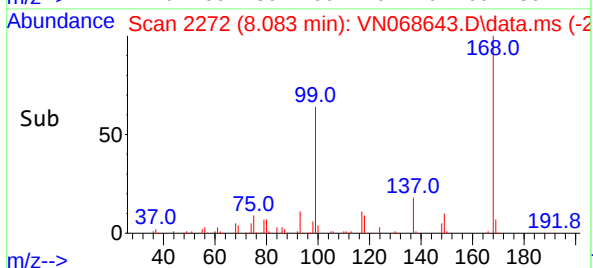
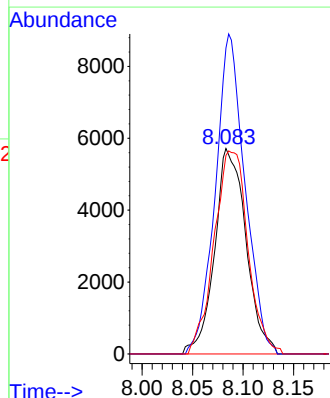
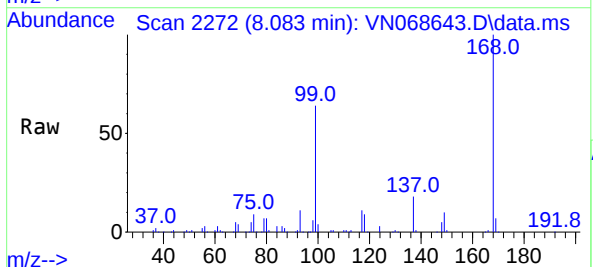
Ion	Ratio	Lower	Upper
84	100		
49	97.6	110.9	166.3#
51	71.1	32.6	49.0#
86	57.2	51.6	77.4

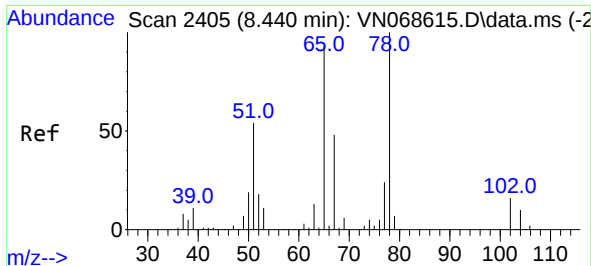


#31
Cyclohexane
Concen: 1.166 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 56 Resp: 12303

Ion	Ratio	Lower	Upper
56	100		
69	148.9	27.3	40.9#
84	96.7	64.9	97.3



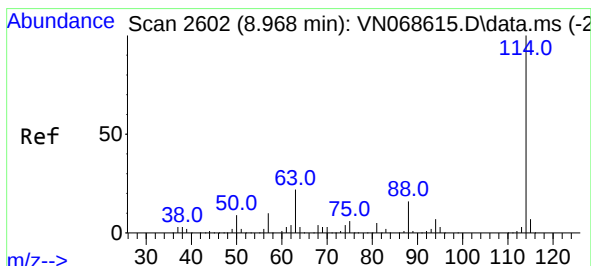
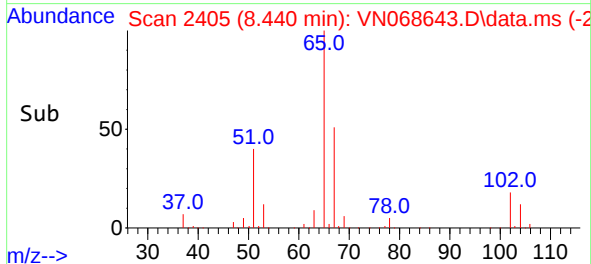
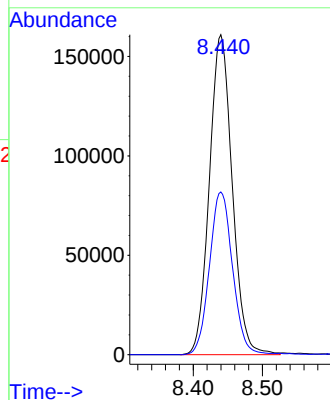
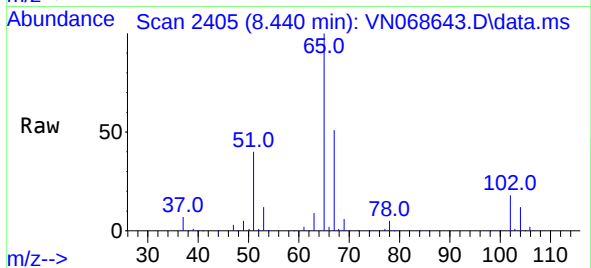


#33

1,2-Dichloroethane-d4
Concen: 49.125 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Instrument :
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ClientSampleId :
SW-CB-04-(0.5)

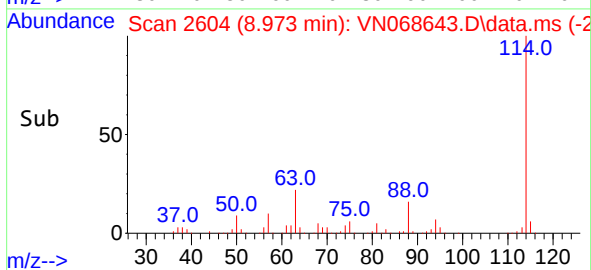
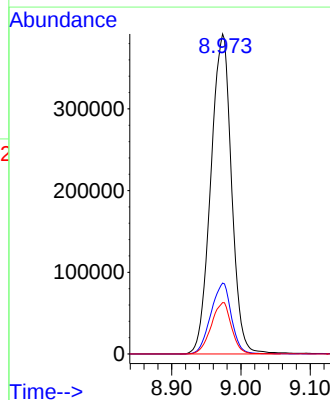
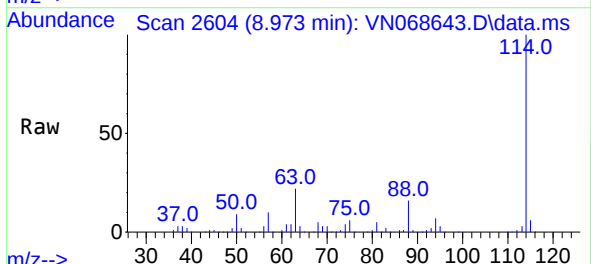
Tgt Ion: 65 Resp: 369357
Ion Ratio Lower Upper
65 100
67 51.4 0.0 98.6

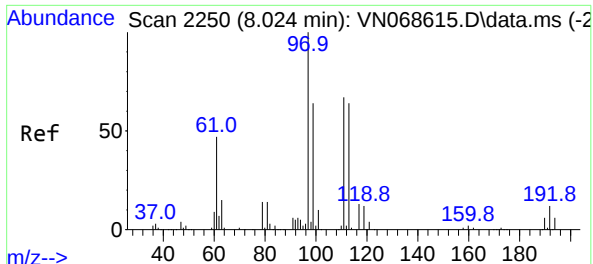


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.005 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 114 Resp: 813021
Ion Ratio Lower Upper
114 100
63 22.2 0.0 49.0
88 16.0 0.0 36.6

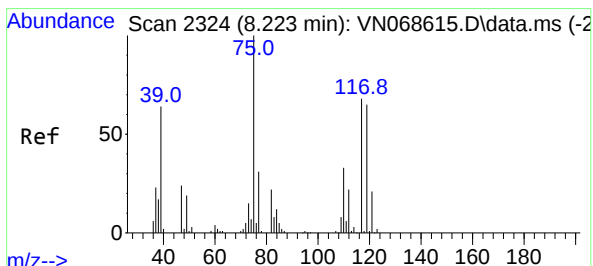
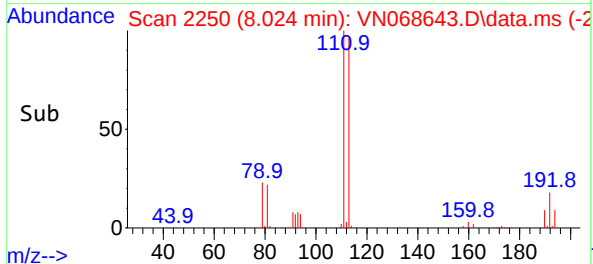
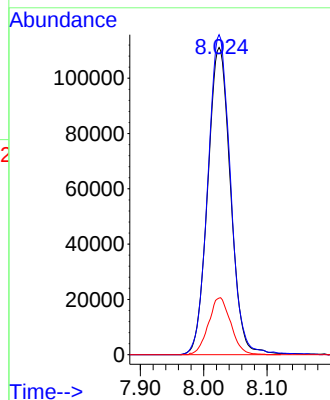
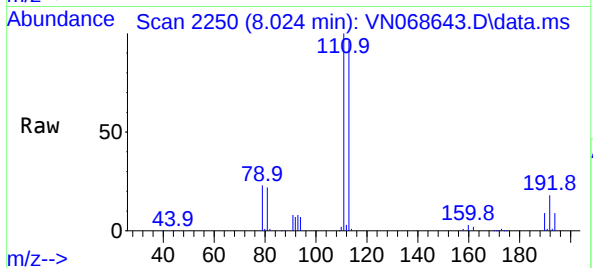




#35
Dibromofluoromethane
Concen: 51.046 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

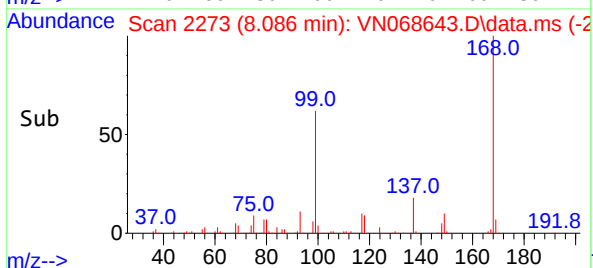
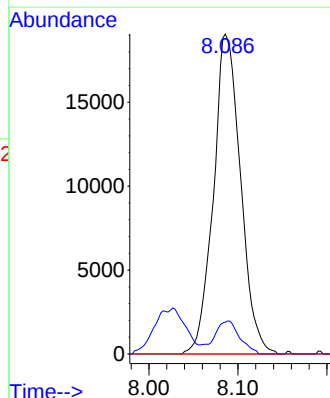
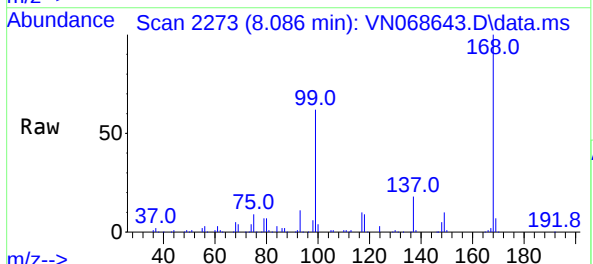
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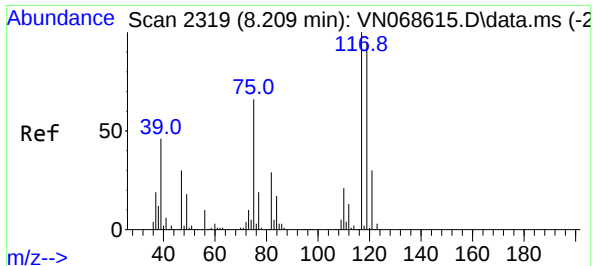
Tgt Ion:113 Resp: 277722
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.8
192 18.2 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.913 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 75 Resp: 40343
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#

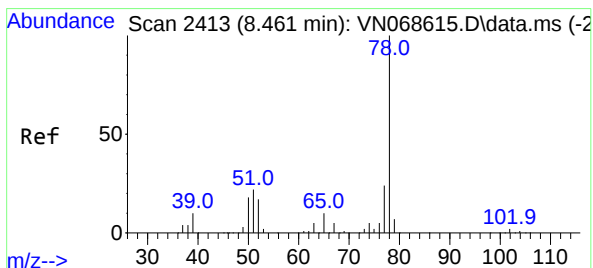
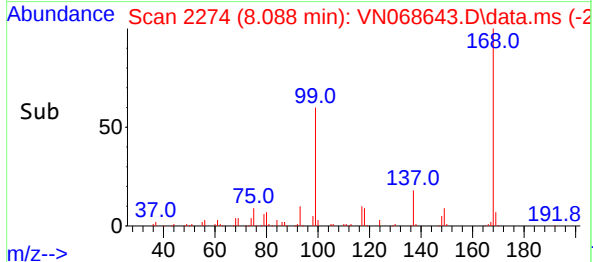
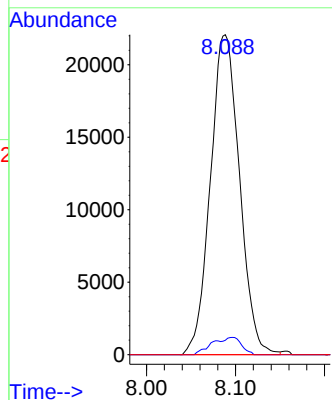
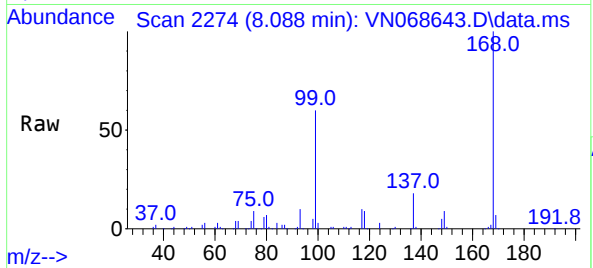




#38
Carbon Tetrachloride
Concen: 5.922 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

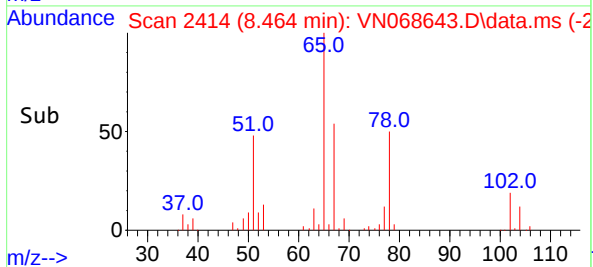
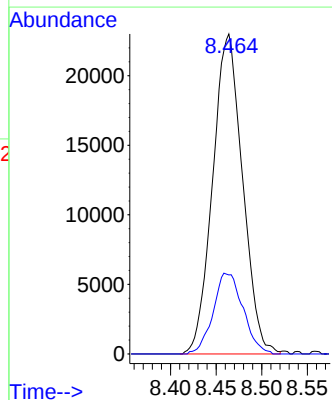
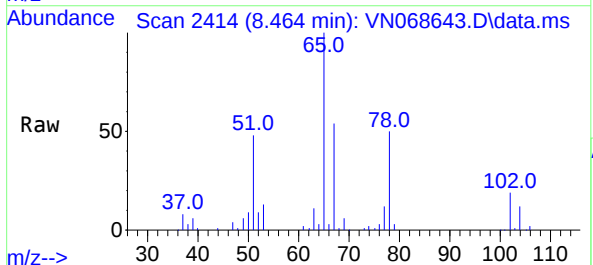
Instrument :
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SW-CB-04-(0.5)

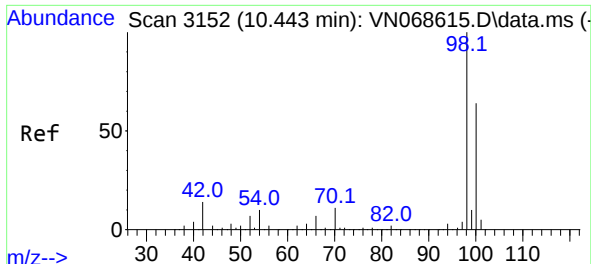
Tgt Ion:117 Resp: 50222
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 23.5 35.3#



#40
Benzene
Concen: 2.176 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. 0.003 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 78 Resp: 52448
Ion Ratio Lower Upper
78 100
77 24.7 18.9 28.3

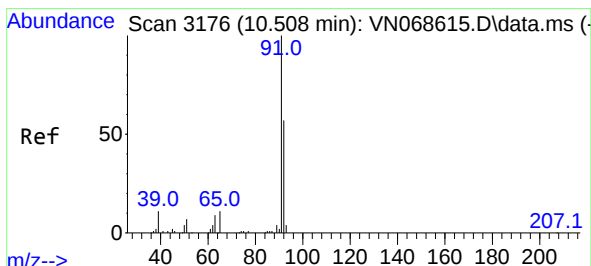
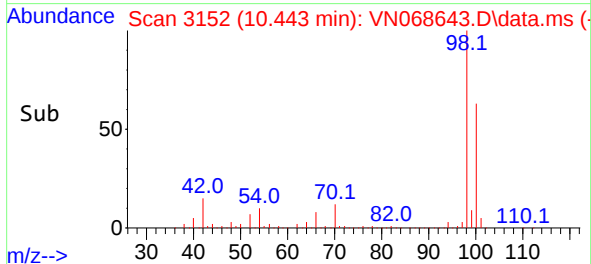
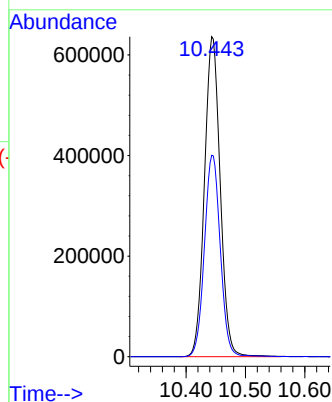
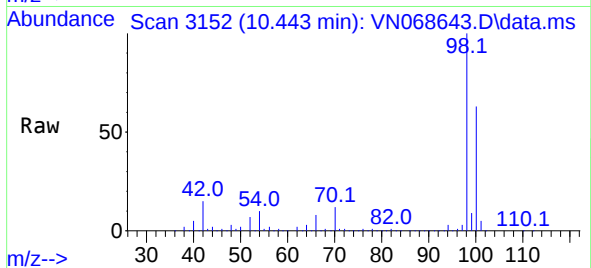




#50
Toluene-d8
Concen: 50.889 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

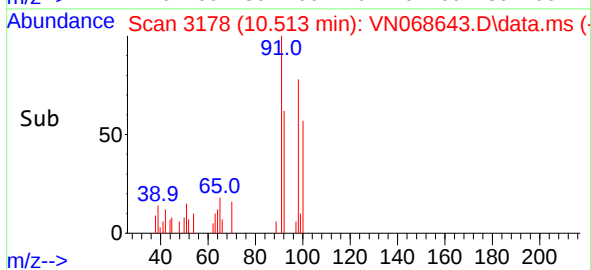
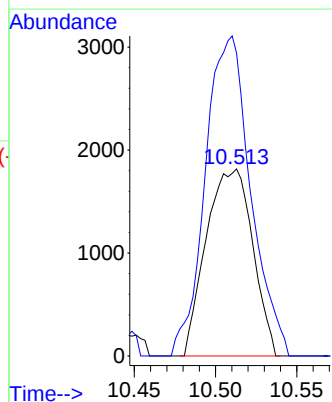
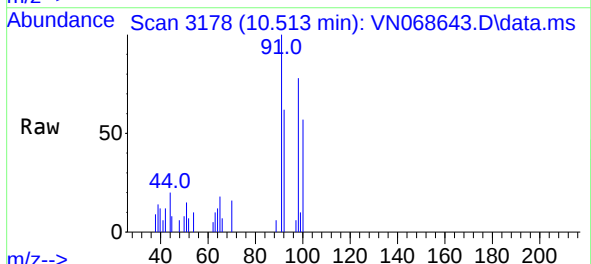
Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

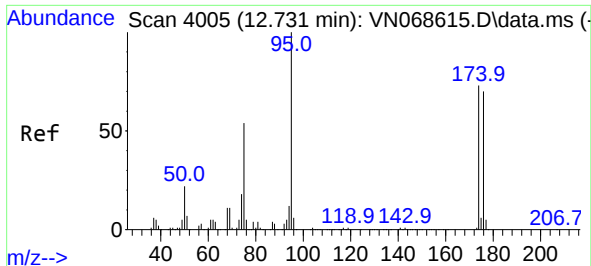
Tgt Ion: 98 Resp: 1173397
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#52
Toluene
Concen: 0.236 ug/l
RT: 10.513 min Scan# 3178
Delta R.T. 0.005 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 92 Resp: 3607
Ion Ratio Lower Upper
92 100
91 167.3 139.6 209.4

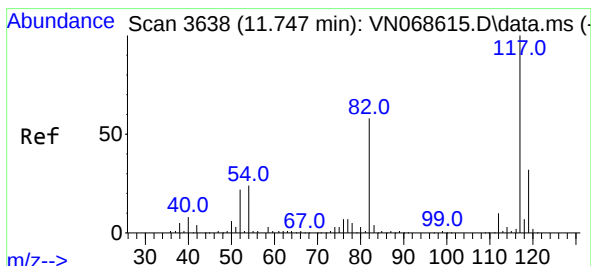
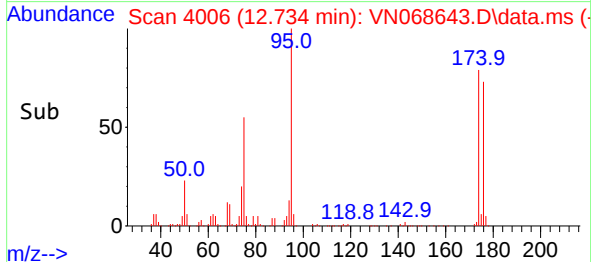
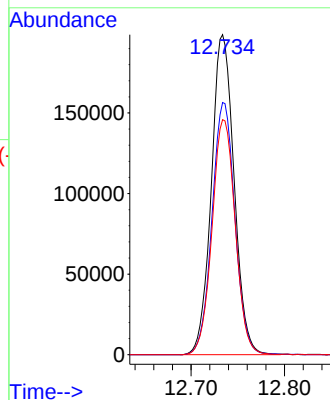
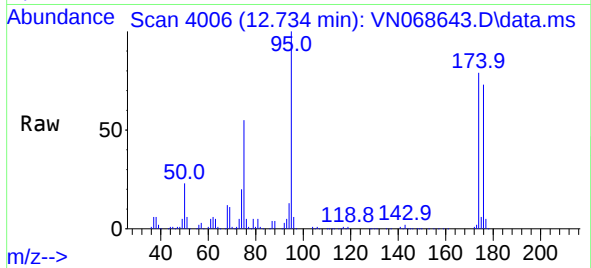




#62
4-Bromofluorobenzene
Concen: 42.588 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

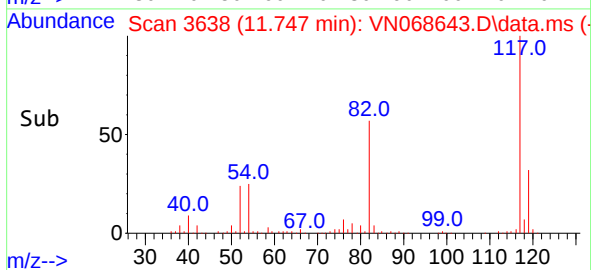
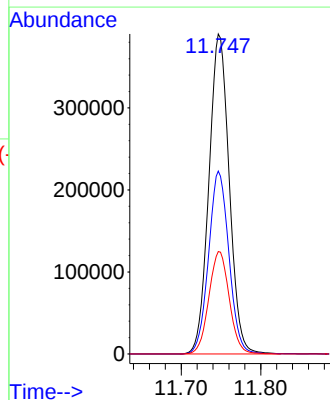
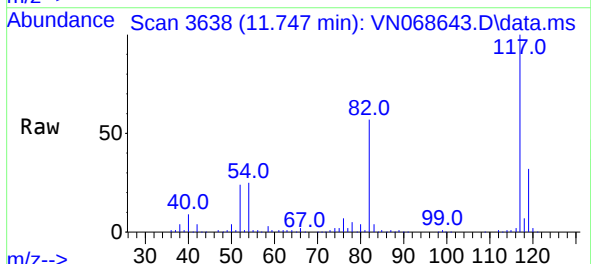
Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

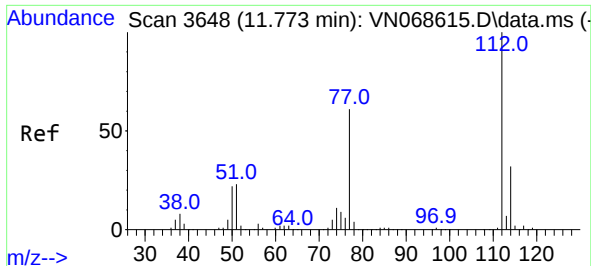
Tgt Ion: 95 Resp: 335844
Ion Ratio Lower Upper
95 100
174 79.4 0.0 122.0
176 74.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 117 Resp: 693393
Ion Ratio Lower Upper
117 100
82 57.2 53.1 79.7
119 32.0 25.5 38.3

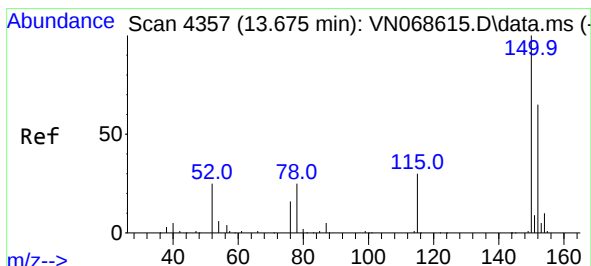
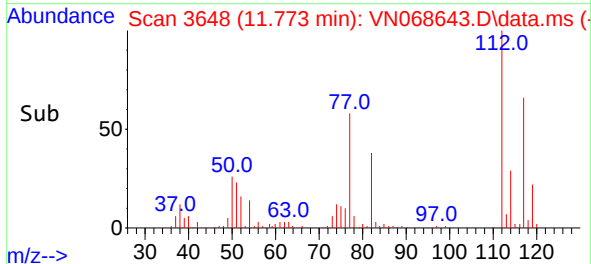
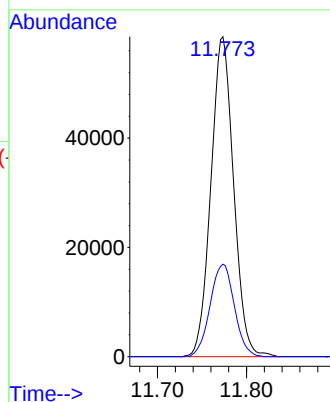
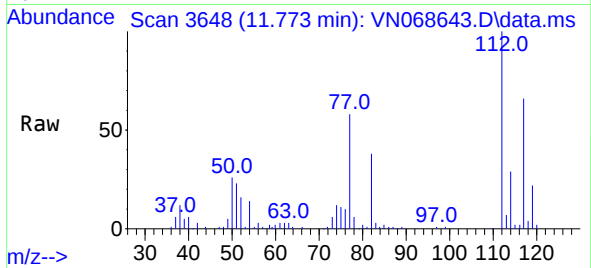




#65
Chlorobenzene
Concen: 7.079 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. 0.000 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

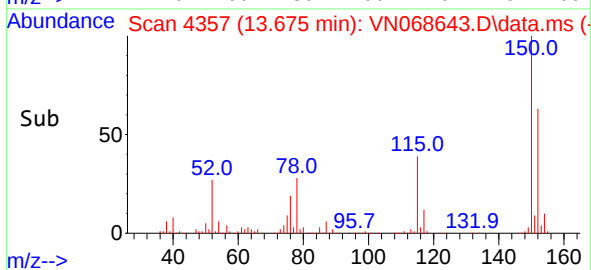
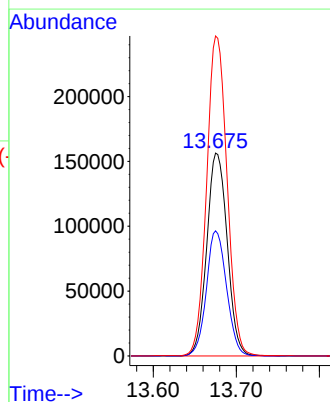
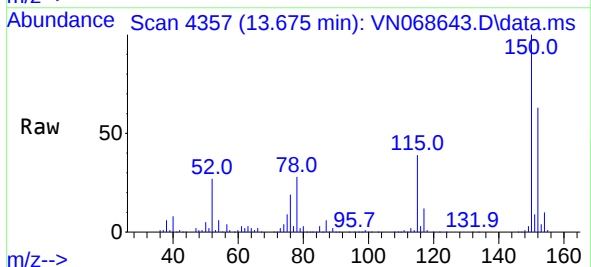
Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

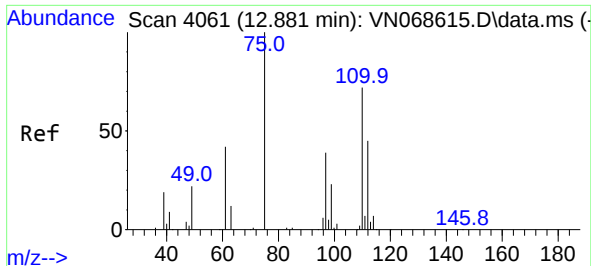
Tgt Ion:112 Resp: 103691
Ion Ratio Lower Upper
112 100
114 28.9 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion:152 Resp: 267546
Ion Ratio Lower Upper
152 100
115 60.9 36.1 108.5
150 156.8 0.0 351.8

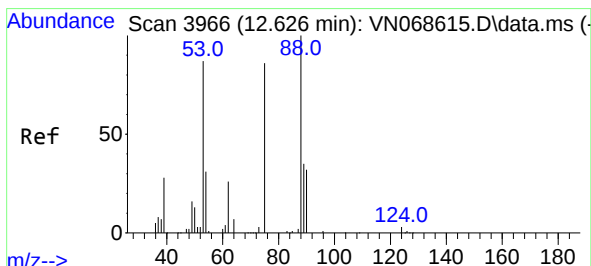
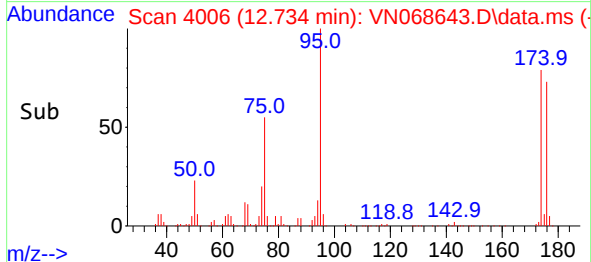
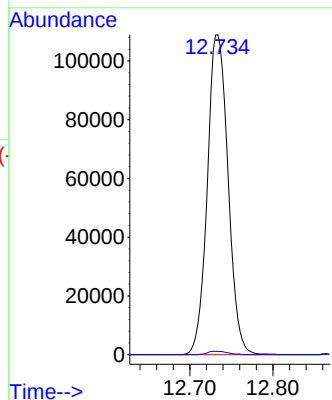
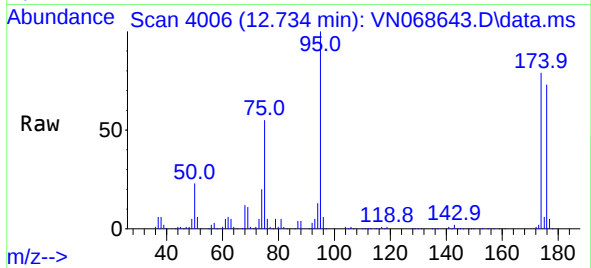




#76
1,2,3-Trichloropropane
Concen: 28.497 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

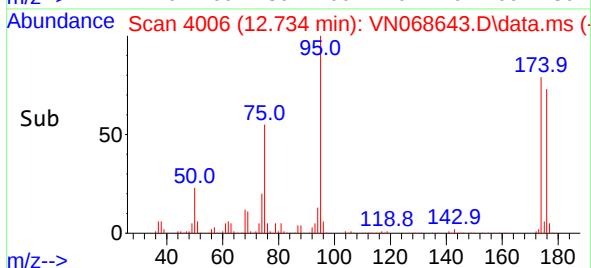
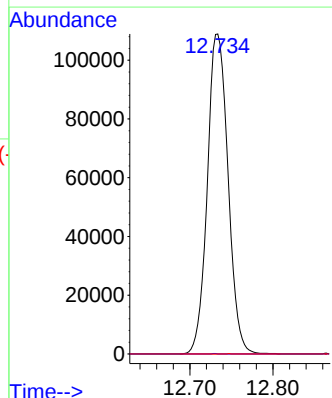
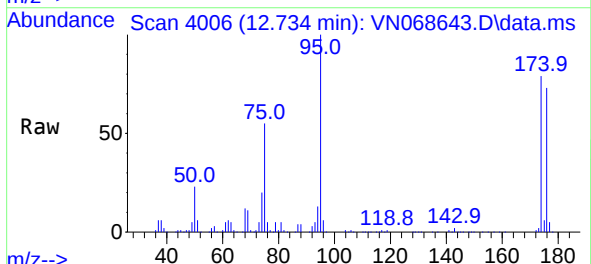
Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

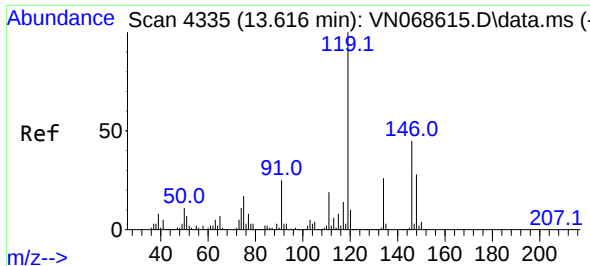
Tgt Ion: 75 Resp: 188516
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.497 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion: 75 Resp: 188516
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



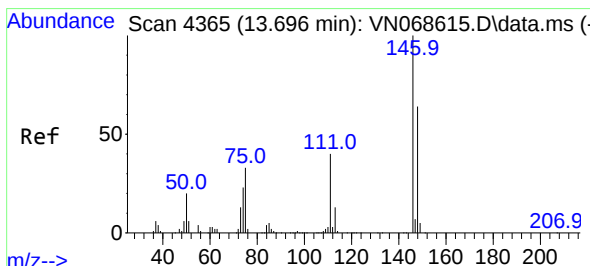
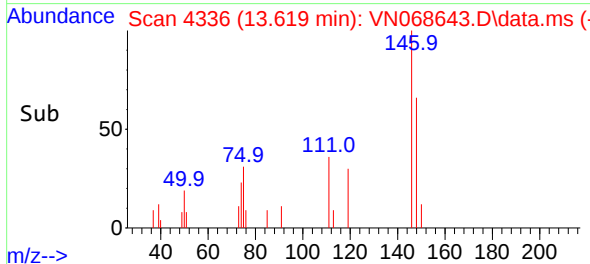
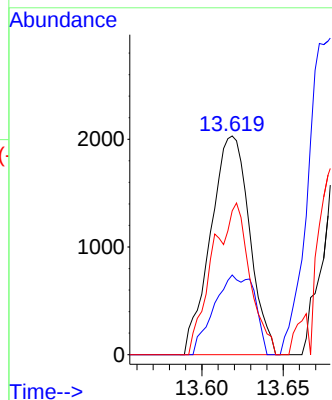
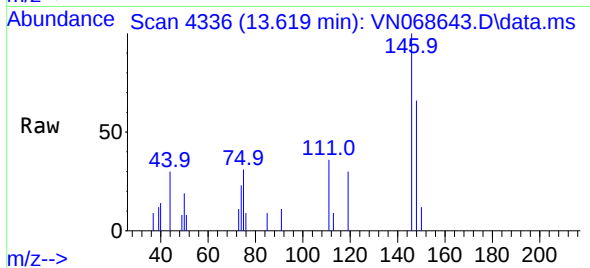


#87

1,3-Dichlorobenzene
Concen: 0.363 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.003 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

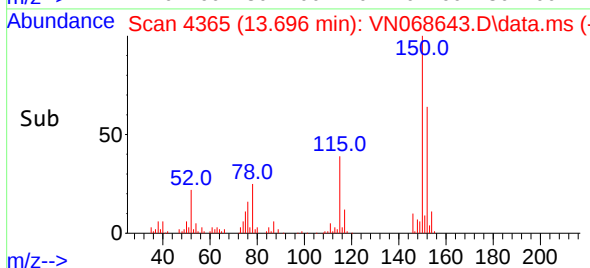
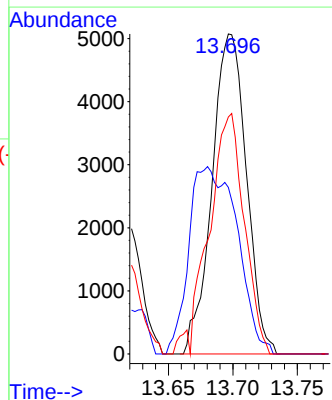
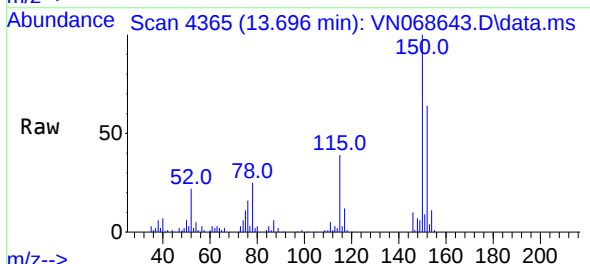
Tgt Ion:146 Resp: 3389
Ion Ratio Lower Upper
146 100
111 37.9 24.3 72.8
148 66.7 32.0 96.0

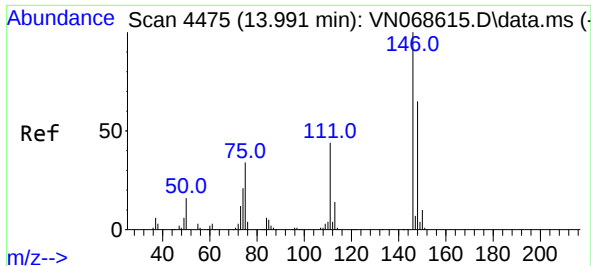


#88

1,4-Dichlorobenzene
Concen: 0.993 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion:146 Resp: 9413
Ion Ratio Lower Upper
146 100
111 48.2 23.4 70.2
148 77.4 31.8 95.3

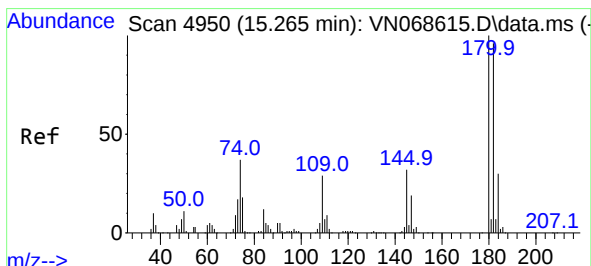
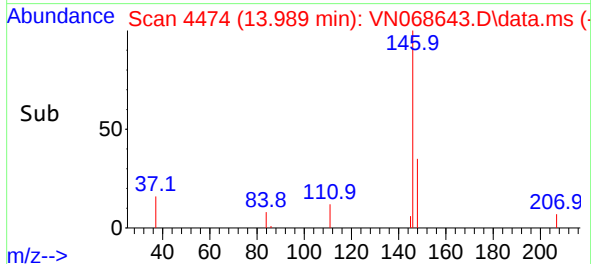
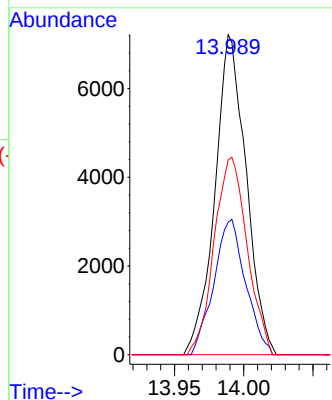
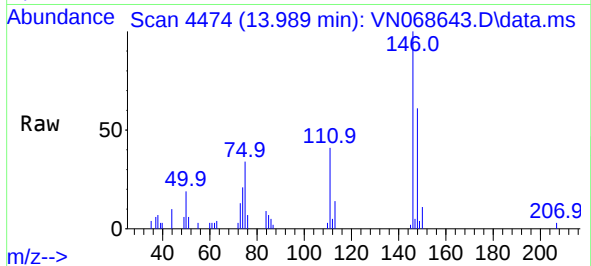




#91
1,2-Dichlorobenzene
Concen: 1.251 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. -0.002 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

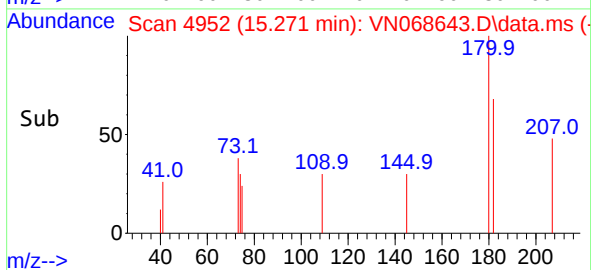
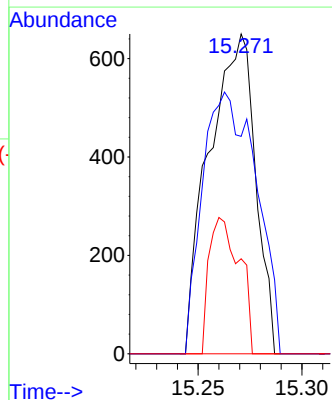
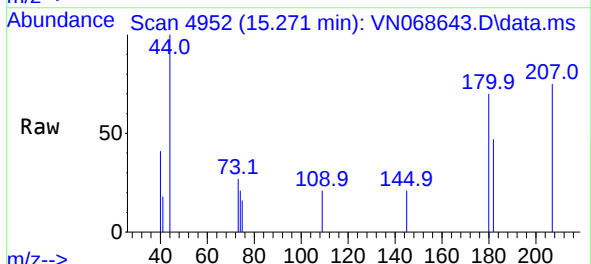
Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

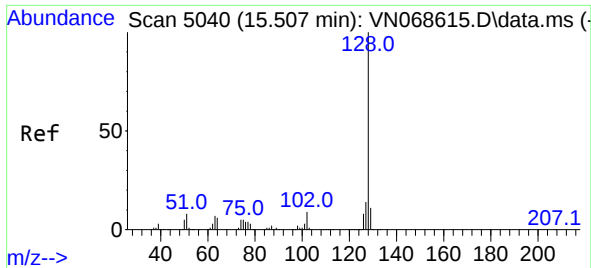
Tgt Ion:	146	Resp:	11326
Ion Ratio	Lower	Upper	
146	100		
111	43.0	24.9	74.6
148	65.2	31.6	95.0



#93
1,2,4-Trichlorobenzene
Concen: 0.225 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Tgt Ion:	180	Resp:	1010
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.5
145	27.8	17.2	51.6





#95
Naphthalene
Concen: 27.881 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068643.D
Acq: 24 Sep 2021 17:01

Instrument :
MSVOA_N
ClientSampleId :
SW-CB-04-(0.5)

Tgt Ion:128 Resp: 349792
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 11.0 8.6 12.8

