

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068189.D
 Acq On : 18 Aug 2021 13:31
 Operator : JC/MD
 Sample : M3361-11 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 14:33:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

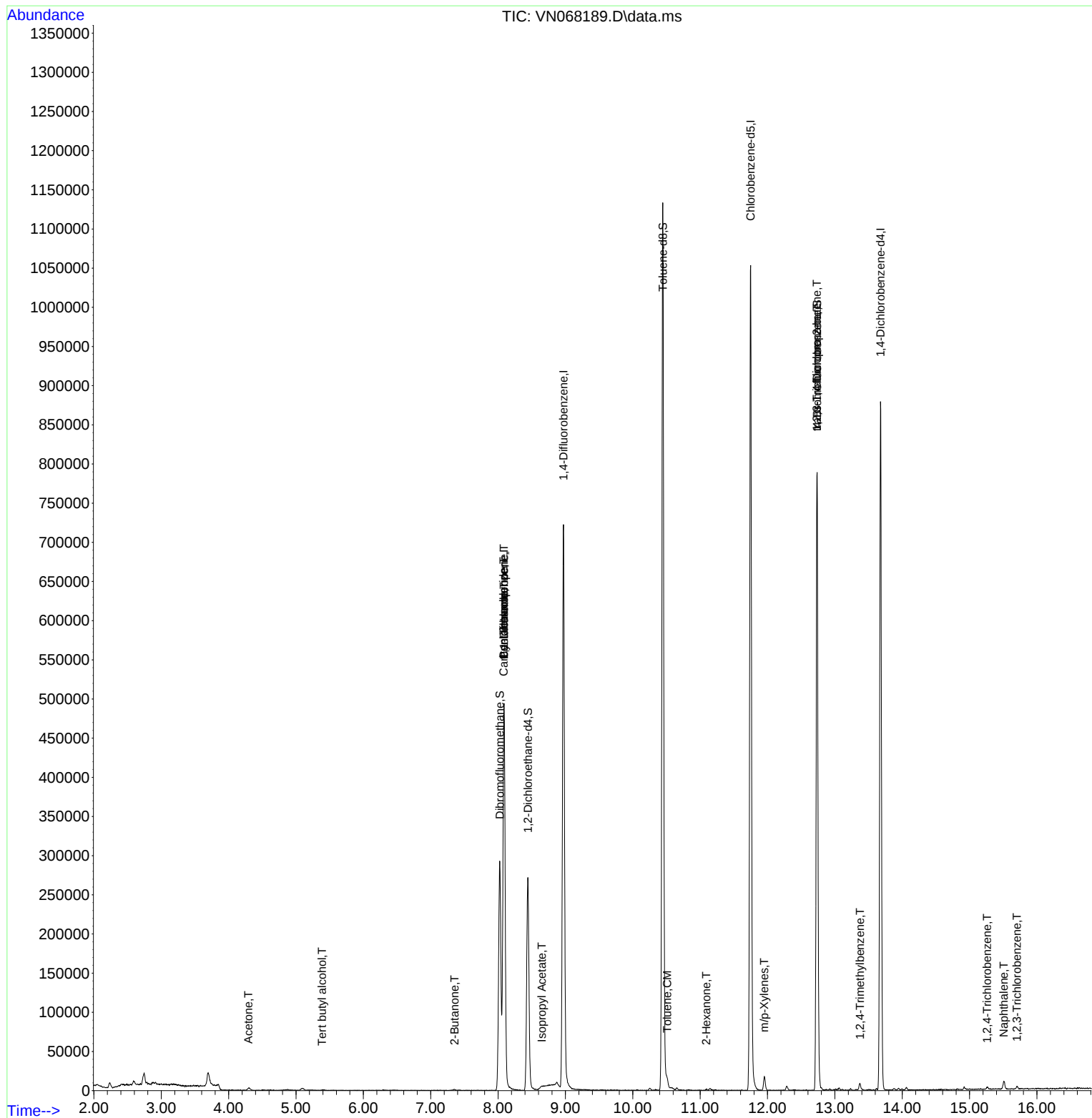
Internal Standards						
1) Pentafluorobenzene	8.088	168	418383	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	690568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	698069	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	262837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	232579	52.064	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 104.120%		
35) Dibromofluoromethane	8.027	113	213636	49.275	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 98.560%		
50) Toluene-d8	10.446	98	839781	50.834	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 101.660%		
62) 4-Bromofluorobenzene	12.736	95	267633	48.665	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 97.340%		
Target Compounds						Qvalue
5) Bromomethane	2.807	94	50	Below Cal	#	4
6) Chloroethane	3.210	64	58	Below Cal	#	44
11) Tert butyl alcohol	5.385	59	418	0.750	ug/l #	71
13) Acrolein	4.036	56	24	Below Cal	#	14
16) Acetone	4.293	43	2750	2.108	ug/l	97
18) Methyl Acetate	4.854	43	883	Below Cal	#	84
20) Methylene Chloride	5.090	84	1185	Below Cal	#	75
25) 2-Butanone	7.353	43	523	0.257	ug/l #	58
31) Cyclohexane	8.088	56	7287	1.238	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27157	4.811	ug/l #	52
38) Carbon Tetrachloride	8.083	117	39620	6.085	ug/l #	17
43) Isopropyl Acetate	8.649	43	4221	0.548	ug/l #	58
52) Toluene	10.510	92	3464	0.295	ug/l	85
59) 2-Hexanone	11.092	43	1281	0.390	ug/l	79
68) m/p-Xylenes	11.953	106	5848	0.620	ug/l	89
76) 1,2,3-Trichloropropane	12.733	75	137217	31.410	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	137217	102.903	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.374	105	5976	0.405	ug/l	91
93) 1,2,4-Trichlorobenzene	15.260	180	532	2.800	ug/l #	1
95) Naphthalene	15.507	128	10766	4.318	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	1473	3.165	ug/l #	89

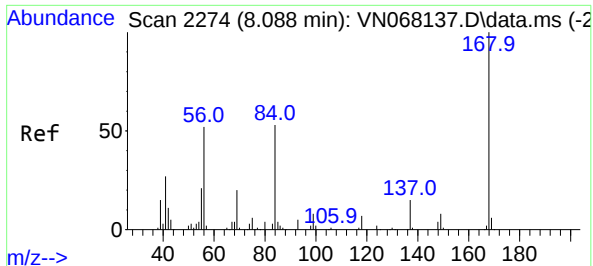
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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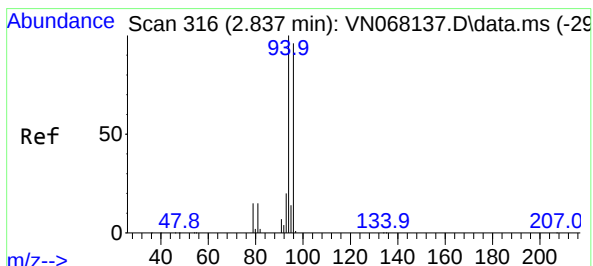
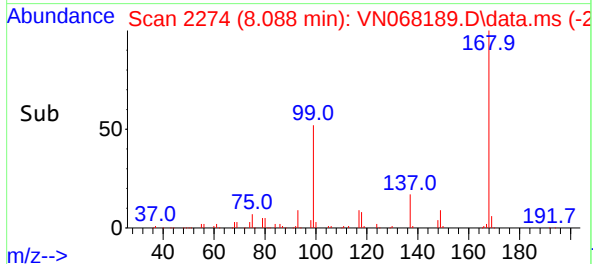
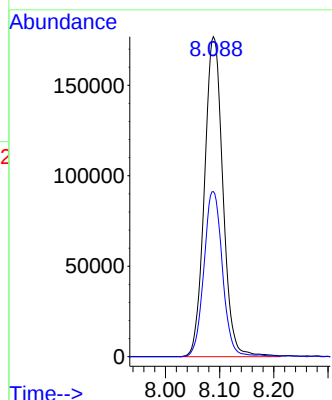
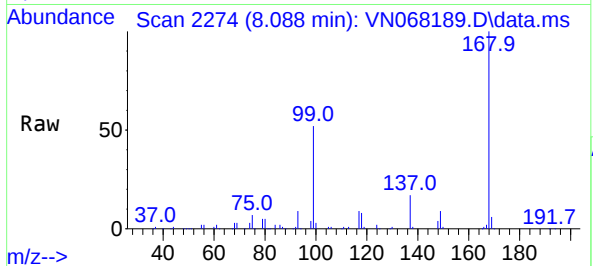




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

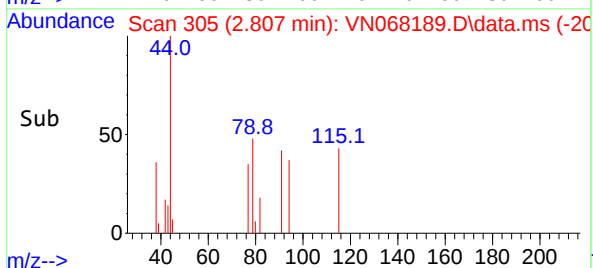
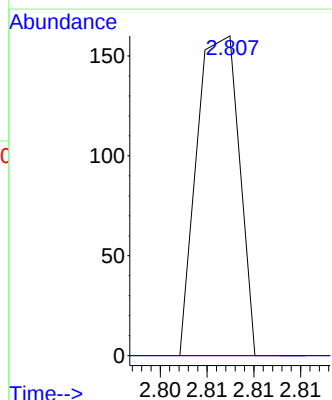
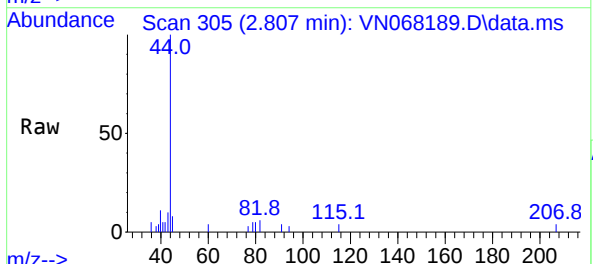
Instrument :
MSVOA_N
ClientSampled :

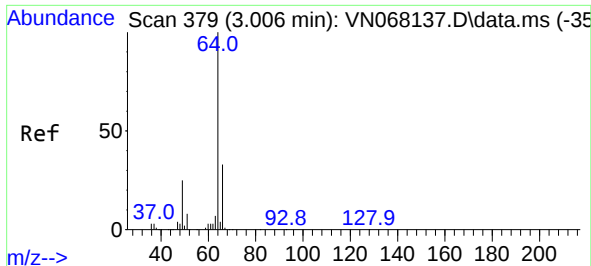
Tgt Ion:168 Resp: 418383
Ion Ratio Lower Upper
168 100
99 51.6 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.807 min Scan# 305
Delta R.T. -0.030 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion: 94 Resp: 50
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

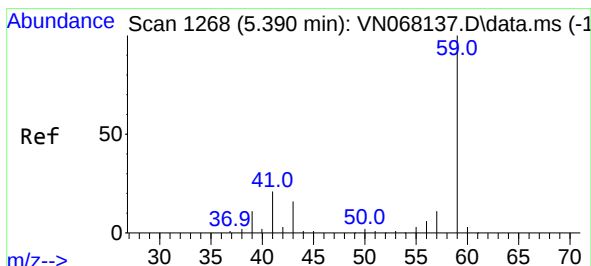
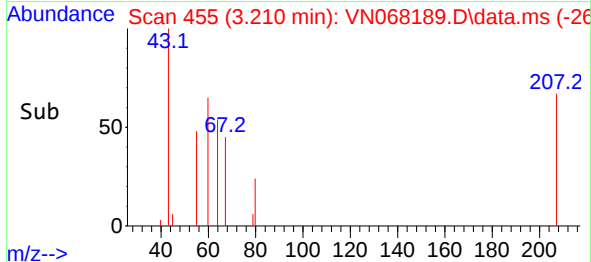
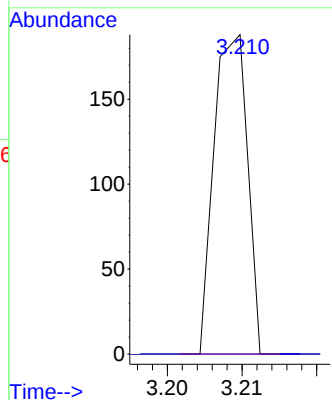
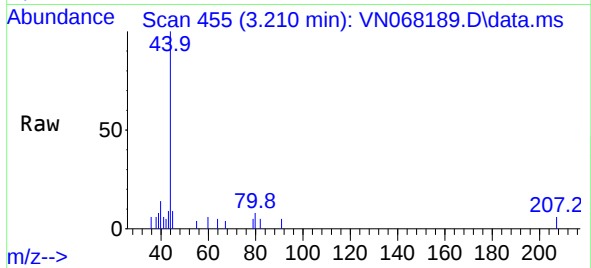




#6
Chloroethane
Concen: Below Cal
RT: 3.210 min Scan# 455
Delta R.T. 0.204 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

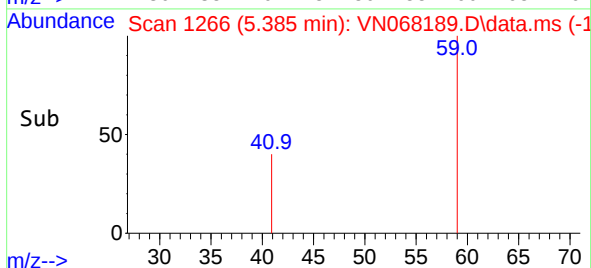
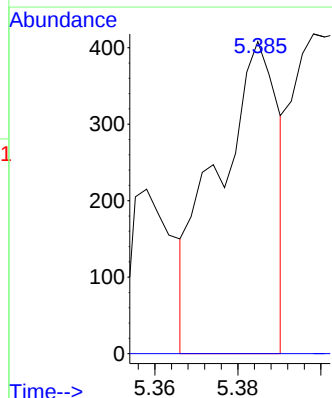
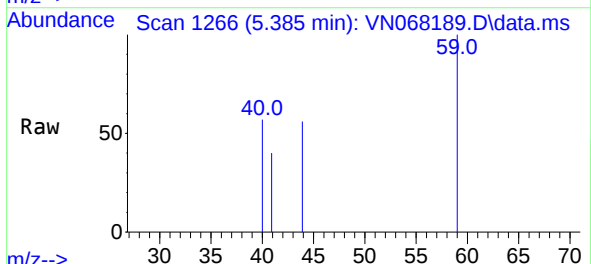
Instrument :
MSVOA_N
ClientSampled :

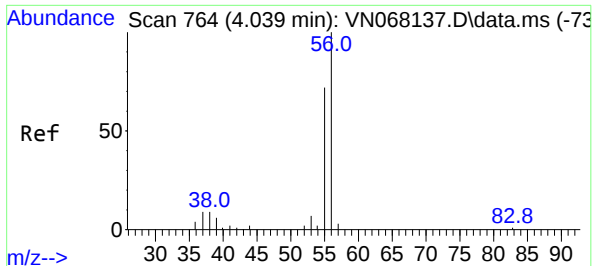
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.750 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion: 59 Resp: 418
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

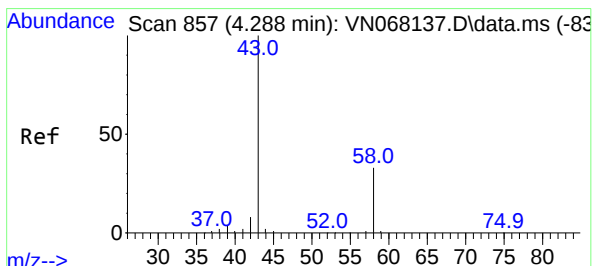
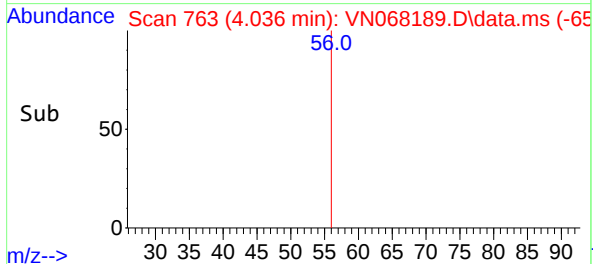
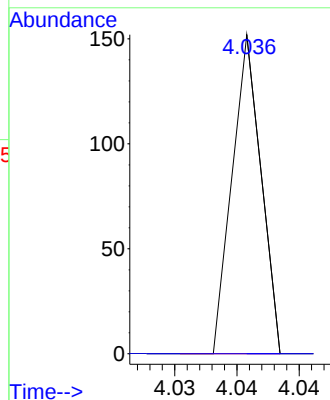
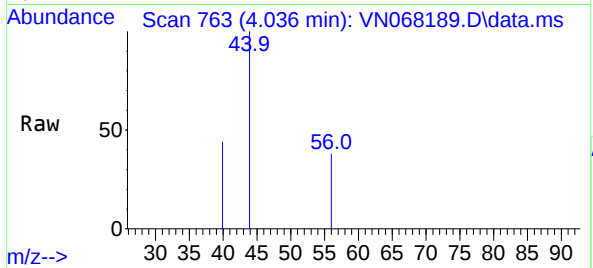




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

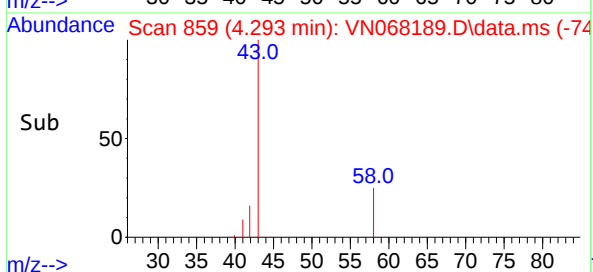
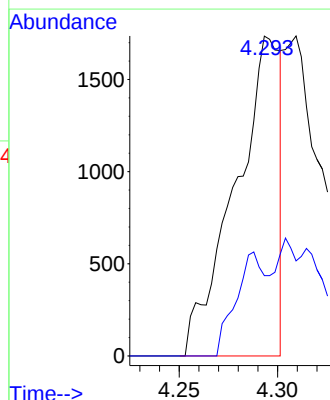
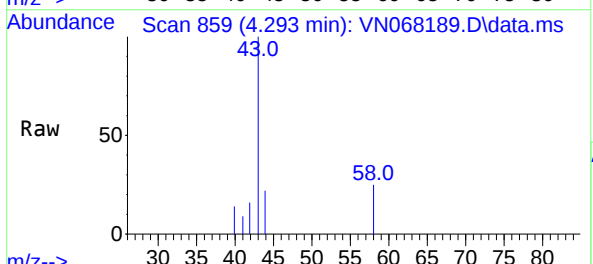
Instrument :
MSVOA_N
ClientSampled :

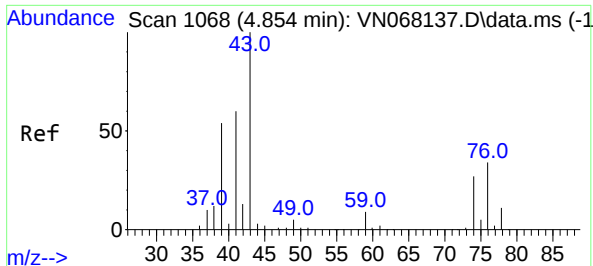
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 2.108 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion: 43 Resp: 2750
Ion Ratio Lower Upper
43 100
58 25.1 21.2 31.8





#18

Methyl Acetate

Concen: Below Cal

RT: 4.854 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VN068189.D

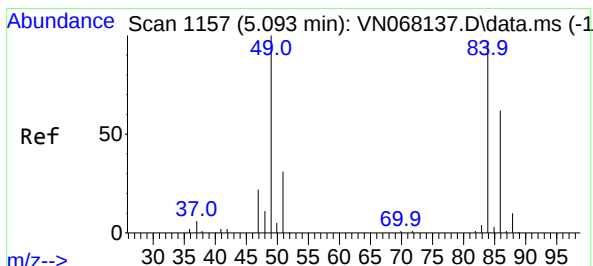
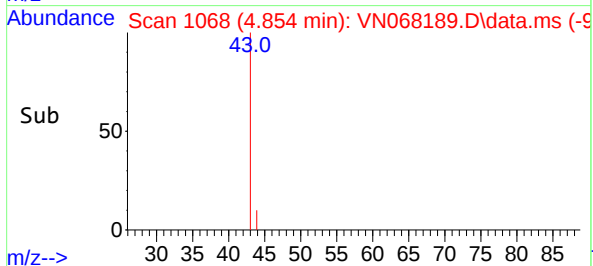
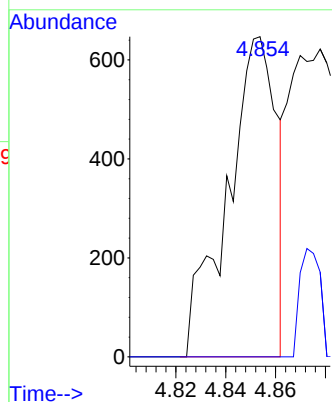
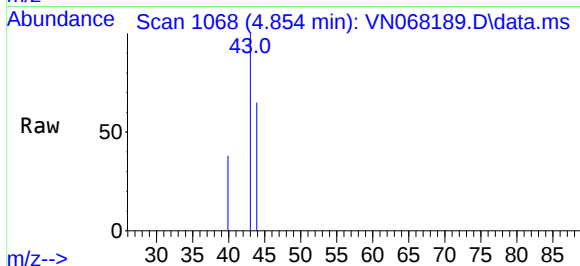
Acq: 18 Aug 2021 13:31

Tgt Ion: 43 Resp: 883

Ion Ratio Lower Upper

43 100

74 14.0 17.4 26.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.090 min Scan# 1156

Delta R.T. -0.003 min

Lab File: VN068189.D

Acq: 18 Aug 2021 13:31

Tgt Ion: 84 Resp: 1185

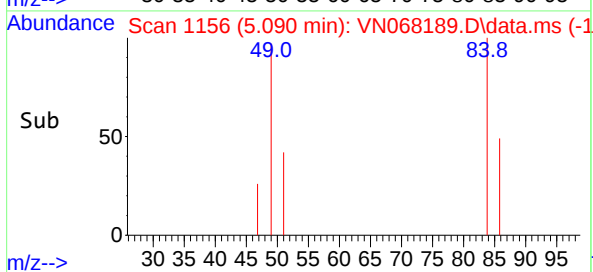
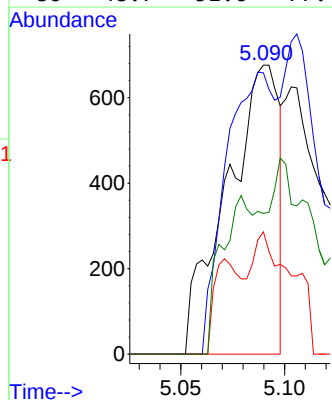
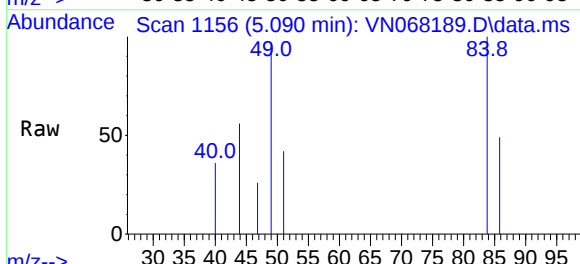
Ion Ratio Lower Upper

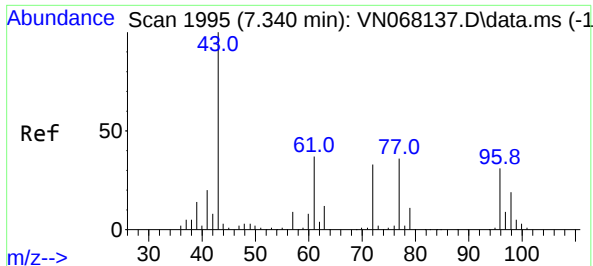
84 100

49 97.3 110.9 166.3#

51 42.3 32.6 49.0

86 48.7 51.6 77.4#

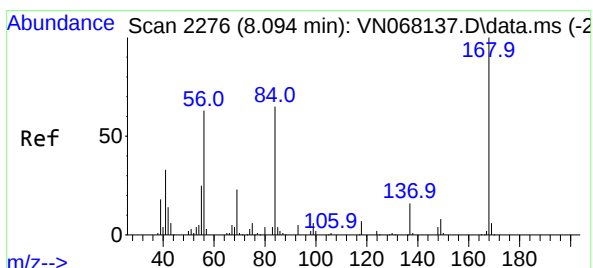
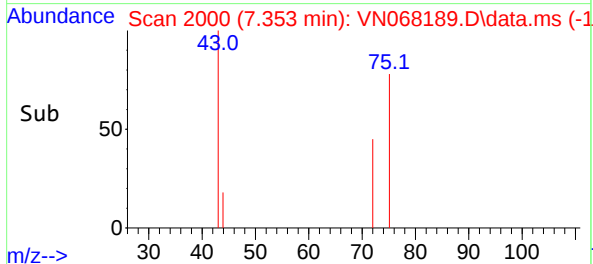
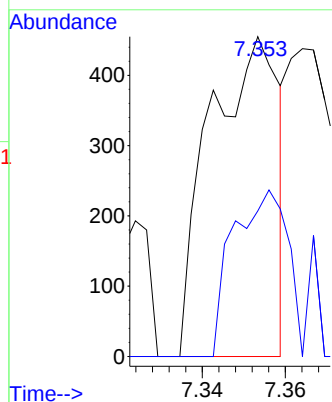
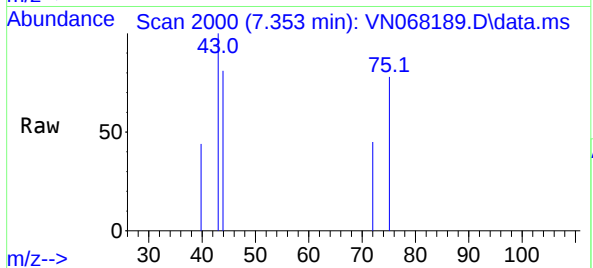




#25
2-Butanone
Concen: 0.257 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

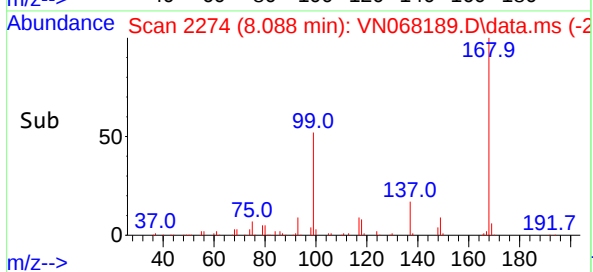
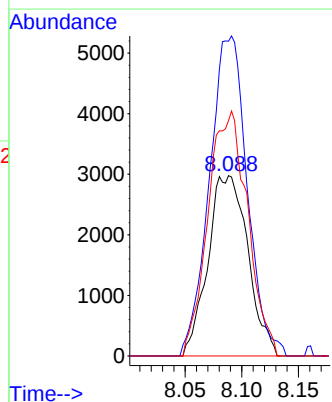
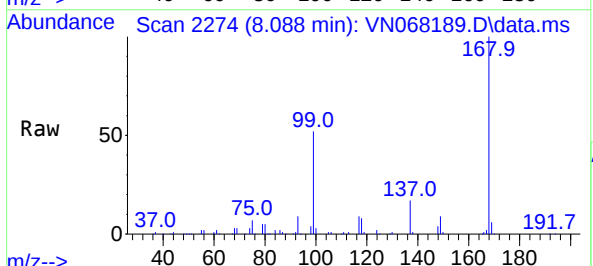
Instrument :
MSVOA_N
ClientSampled :

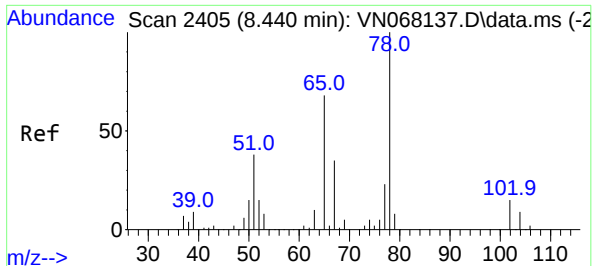
Tgt Ion: 43 Resp: 523
Ion Ratio Lower Upper
43 100
72 45.5 19.7 29.5#



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion: 56 Resp: 7287
Ion Ratio Lower Upper
56 100
69 174.5 27.3 40.9#
84 130.5 64.9 97.3#

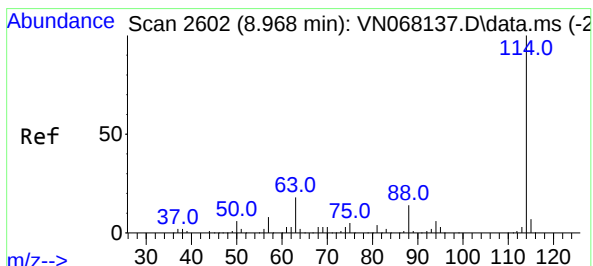
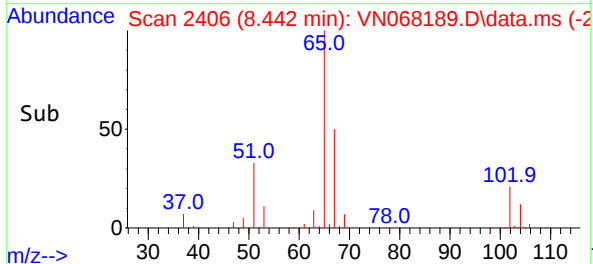
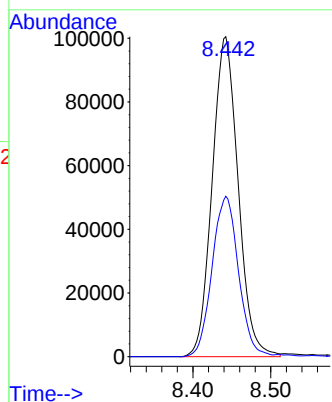
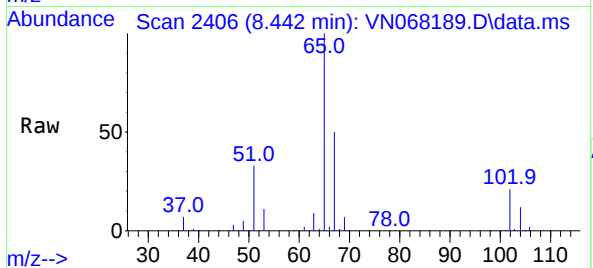




#33
1,2-Dichloroethane-d4
Concen: 52.064 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

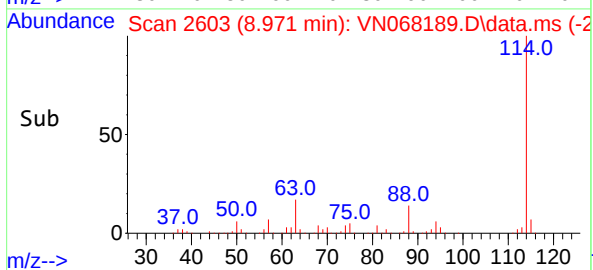
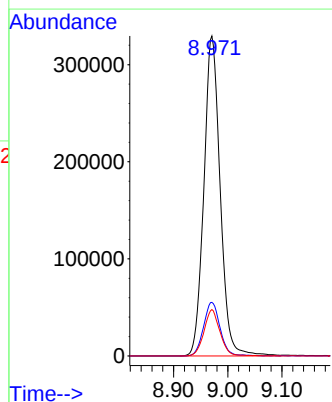
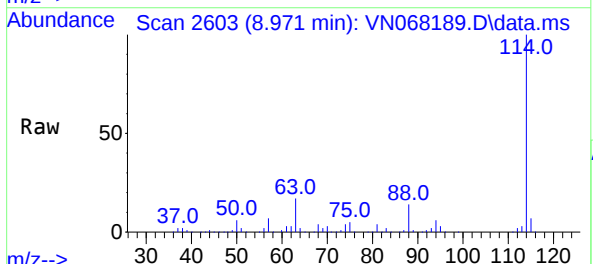
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ClientSampled :

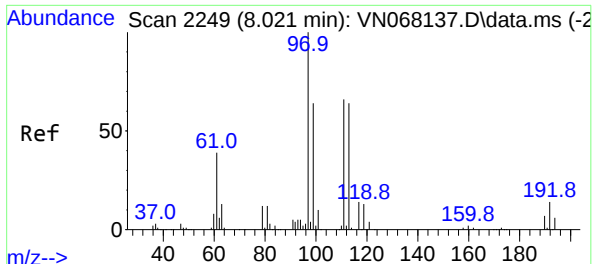
Tgt Ion: 65 Resp: 232579
Ion Ratio Lower Upper
65 100
67 50.9 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion: 114 Resp: 690568
Ion Ratio Lower Upper
114 100
63 16.8 0.0 49.0
88 14.5 0.0 36.6

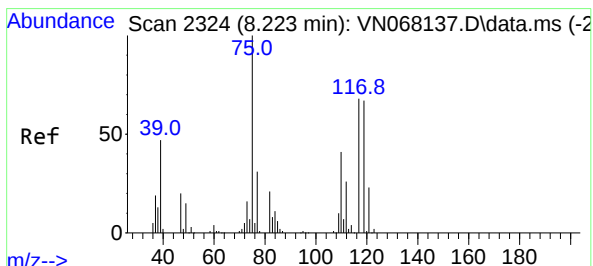
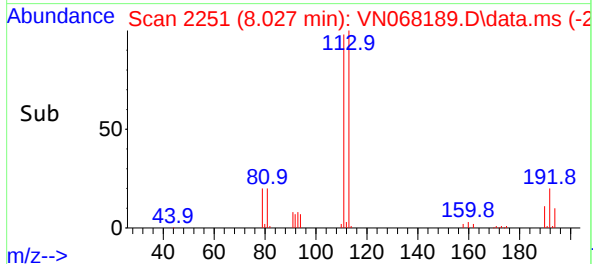
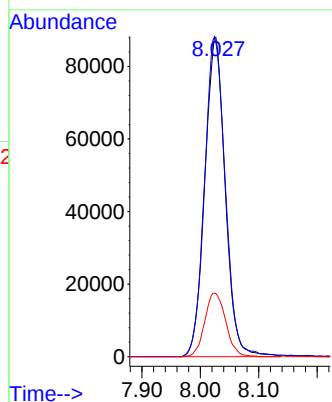
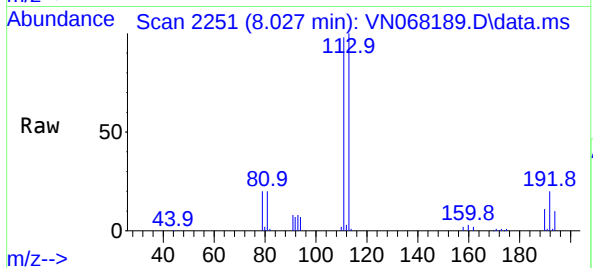




#35
Dibromofluoromethane
Concen: 49.275 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

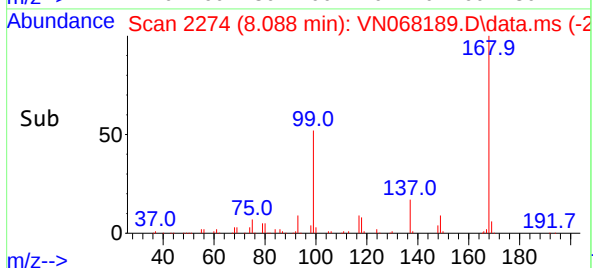
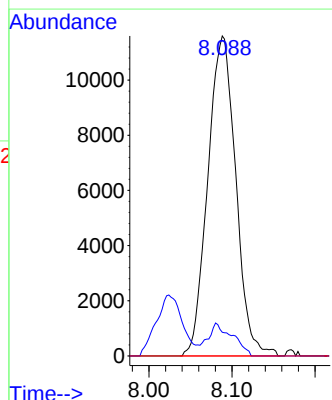
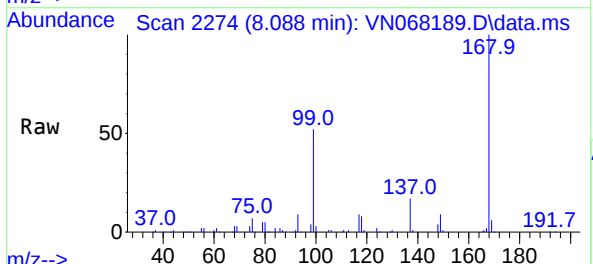
Instrument :
MSVOA_N
ClientSampled :

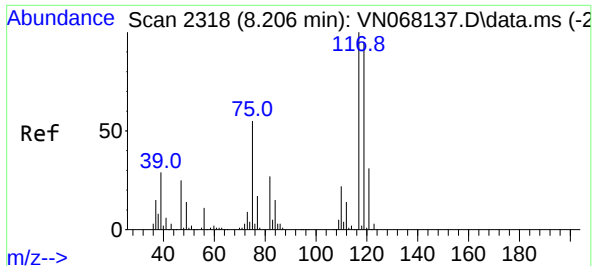
Tgt Ion:113 Resp: 213636
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.8
192 20.5 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

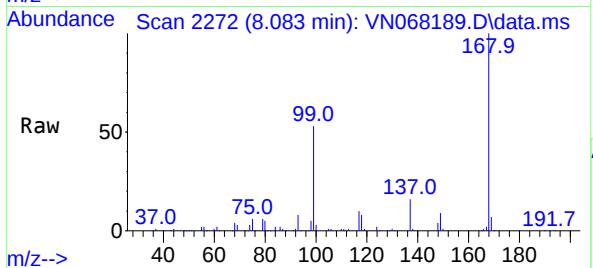
Tgt Ion: 75 Resp: 27157
Ion Ratio Lower Upper
75 100
110 8.9 15.7 47.0#
77 0.0 24.6 37.0#



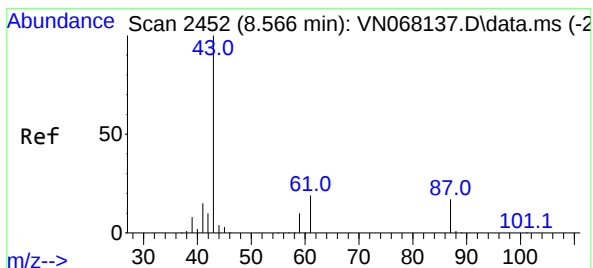
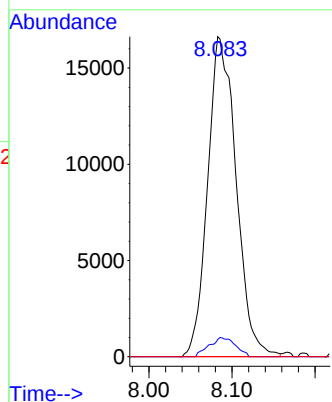
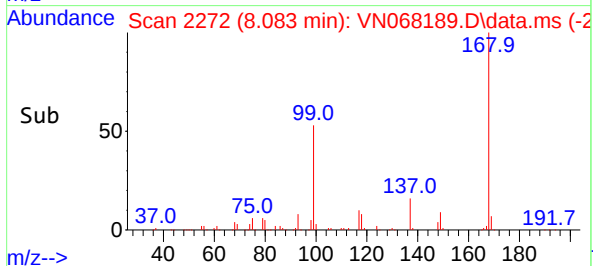


#38
Carbon Tetrachloride
Concen: 6.085 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

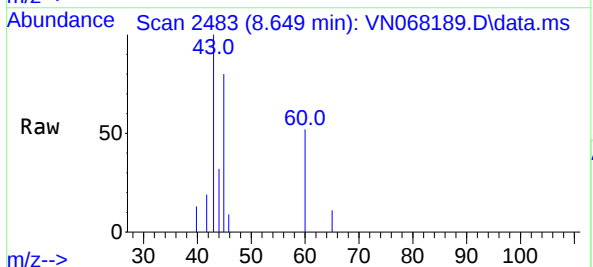
Instrument :
MSVOA_N
ClientSampled :



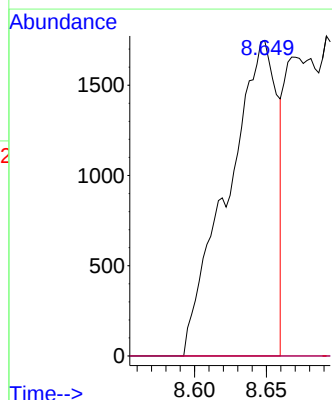
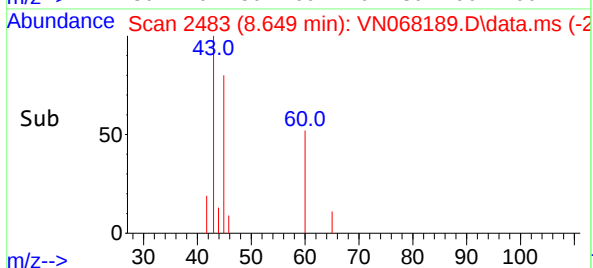
Tgt Ion:117 Resp: 39620
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 23.5 35.3#

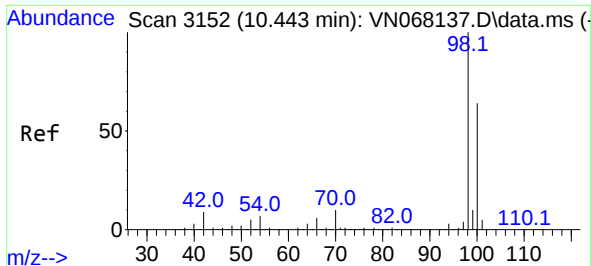


#43
Isopropyl Acetate
Concen: 0.548 ug/l
RT: 8.649 min Scan# 2483
Delta R.T. 0.083 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31



Tgt Ion: 43 Resp: 4221
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

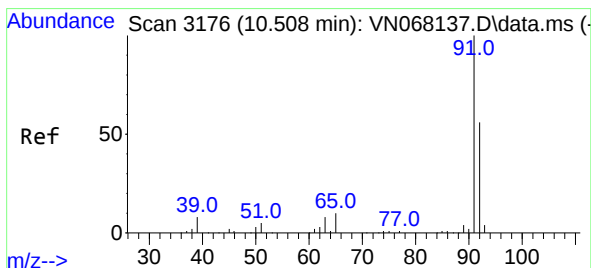
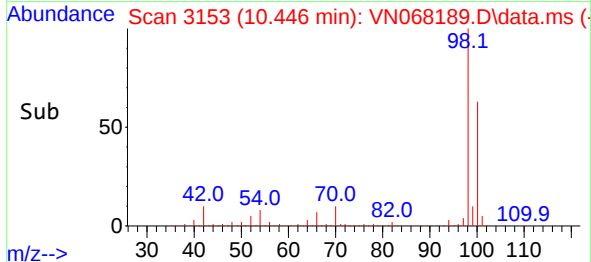
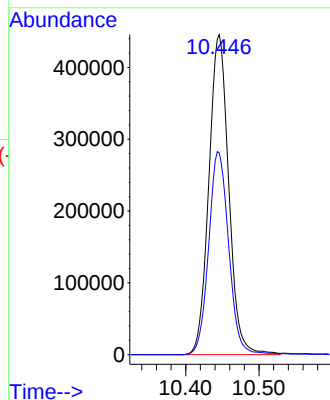
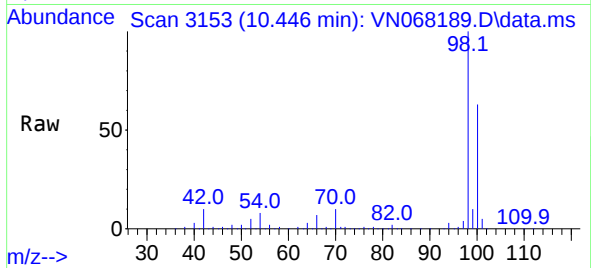




#50
Toluene-d8
Concen: 50.834 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

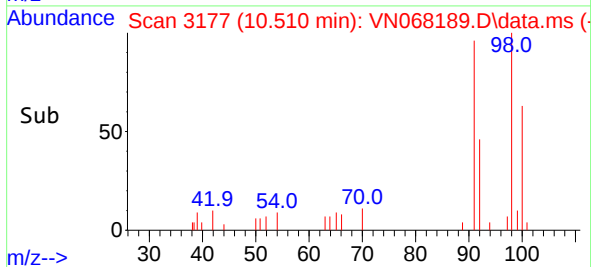
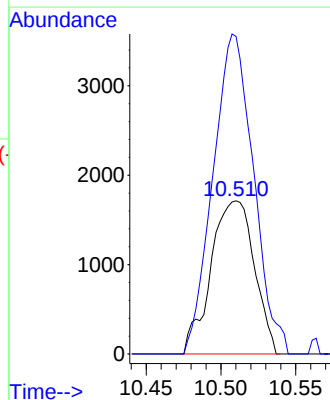
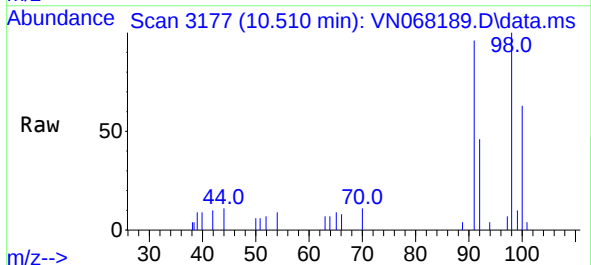
Instrument :
MSVOA_N
ClientSampled :

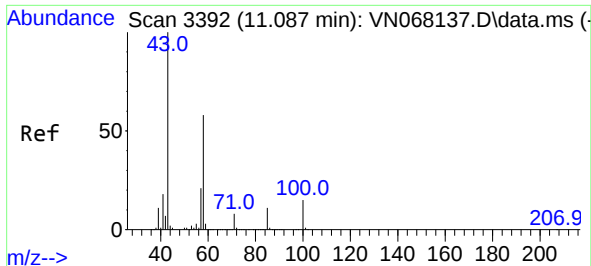
Tgt Ion: 98 Resp: 839781
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#52
Toluene
Concen: 0.295 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.002 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

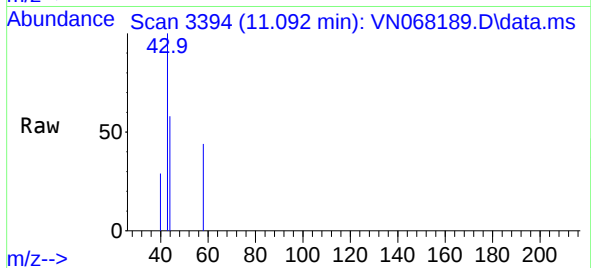
Tgt Ion: 92 Resp: 3464
Ion Ratio Lower Upper
92 100
91 195.1 139.6 209.4



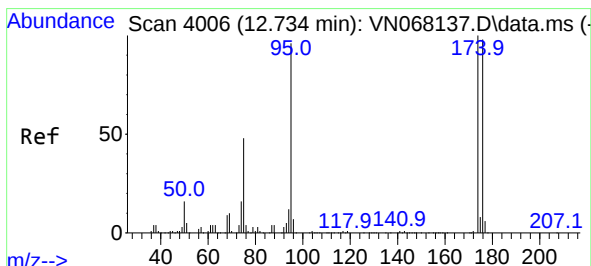
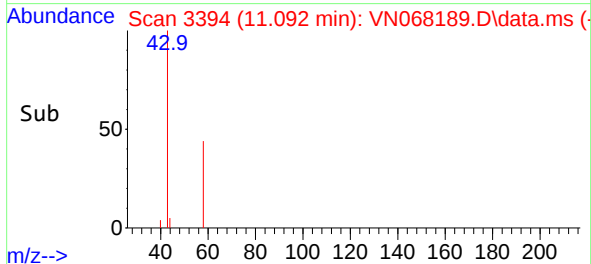
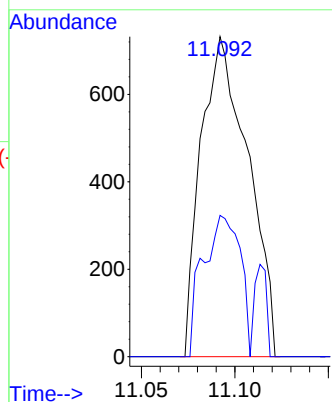


#59
2-Hexanone
Concen: 0.390 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Instrument :
MSVOA_N
ClientSampled :

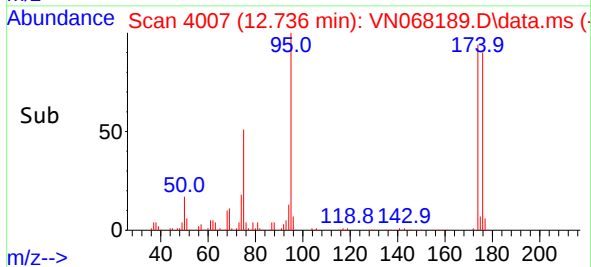
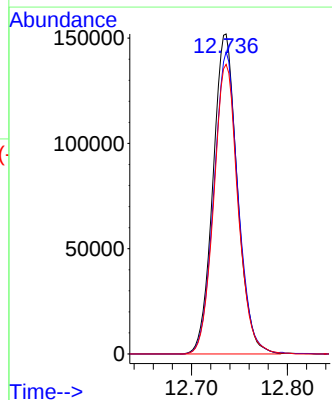
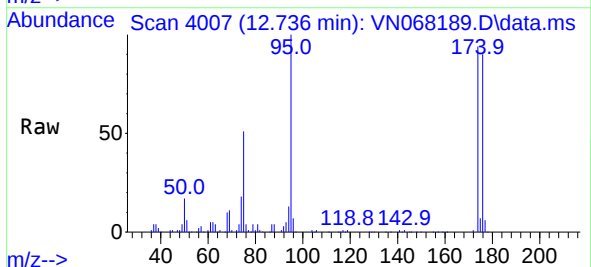


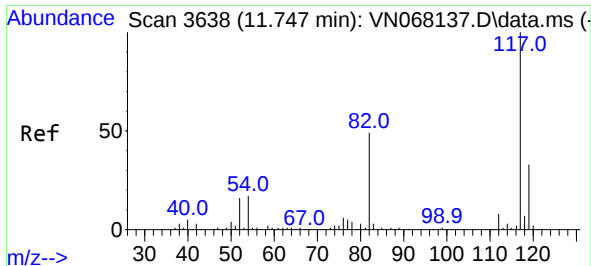
Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 34.9 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 48.665 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion: 95 Resp: 267633
Ion Ratio Lower Upper
95 100
174 93.9 0.0 122.0
176 90.3 0.0 117.6

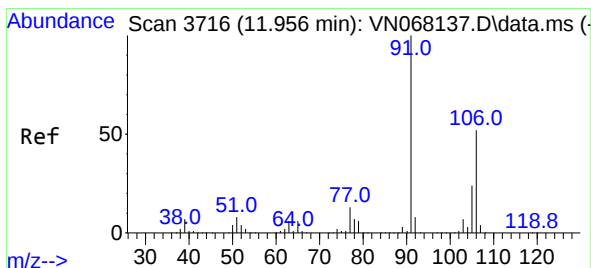
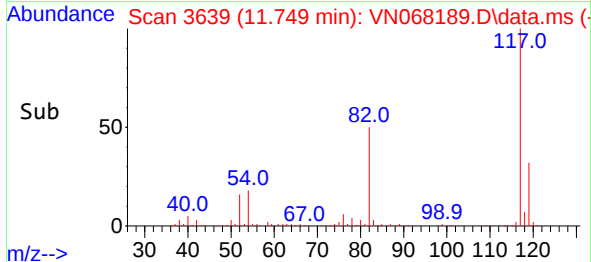
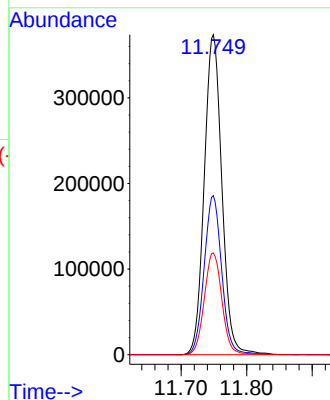
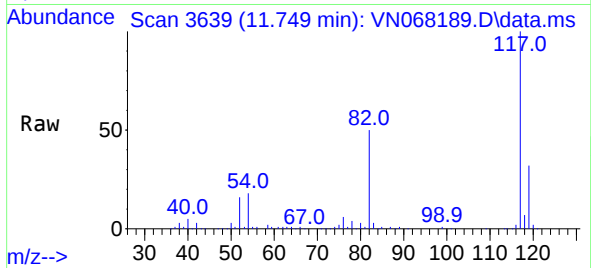




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

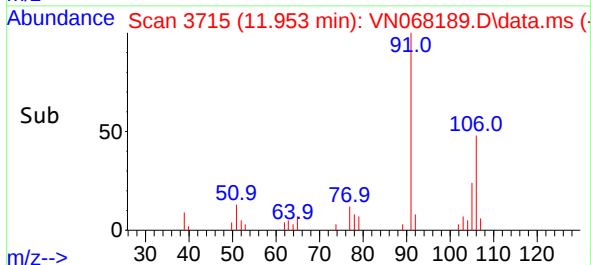
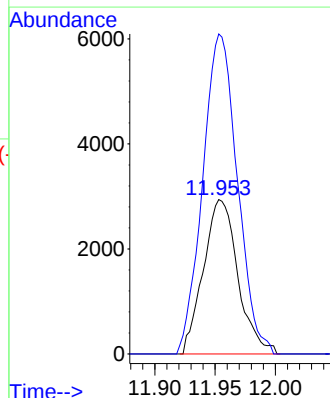
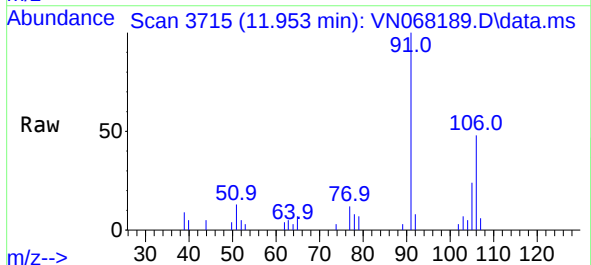
Instrument :
MSVOA_N
ClientSampleId :

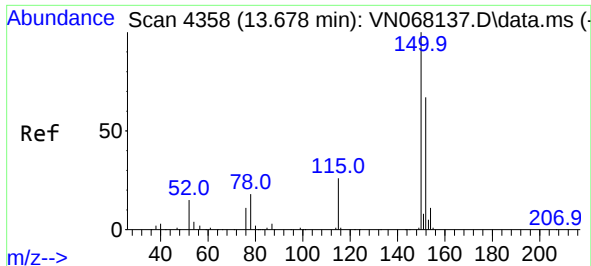
Tgt Ion:117 Resp: 698069
Ion Ratio Lower Upper
117 100
82 49.7 53.1 79.7#
119 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 0.620 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion:106 Resp: 5848
Ion Ratio Lower Upper
106 100
91 208.5 180.6 270.8

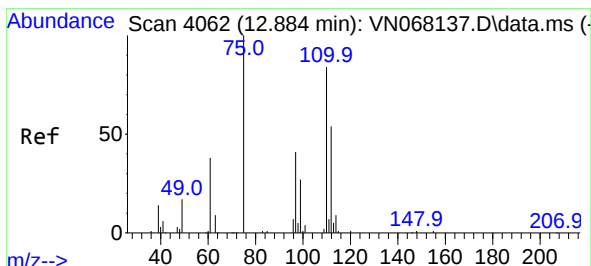
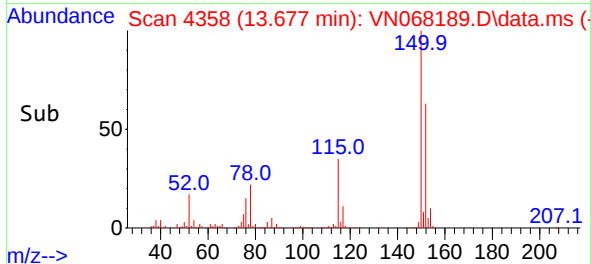
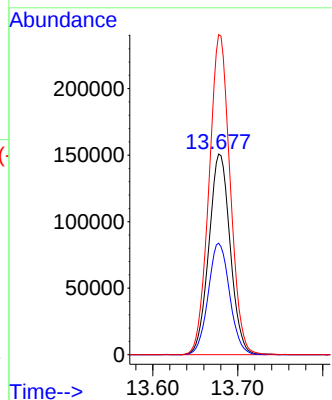
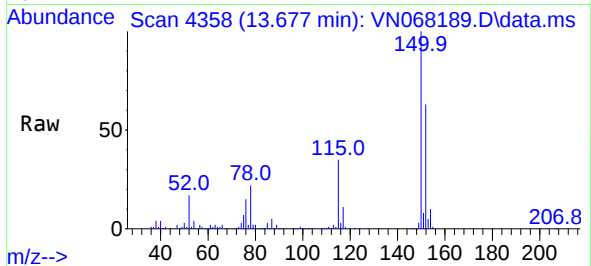




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

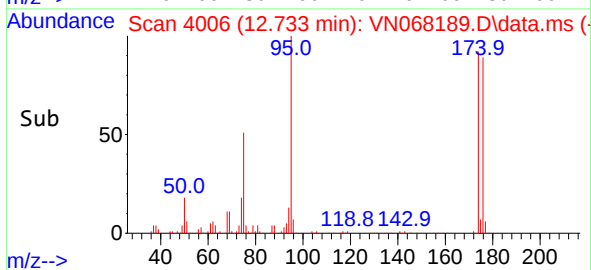
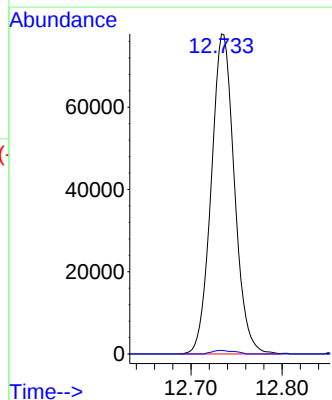
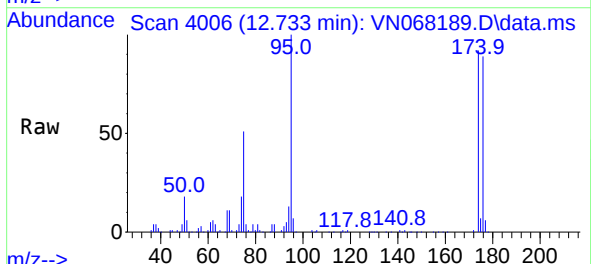
Instrument :
MSVOA_N
ClientSampled :

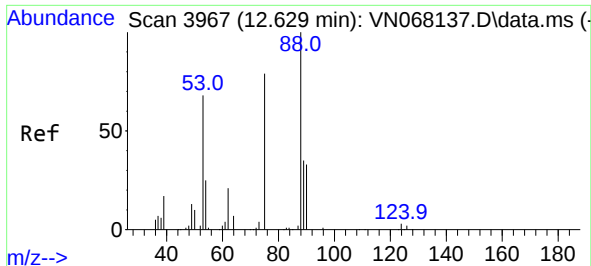
Tgt Ion:152 Resp: 262837
Ion Ratio Lower Upper
152 100
115 56.0 36.1 108.5
150 157.7 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 31.410 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion: 75 Resp: 137217
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

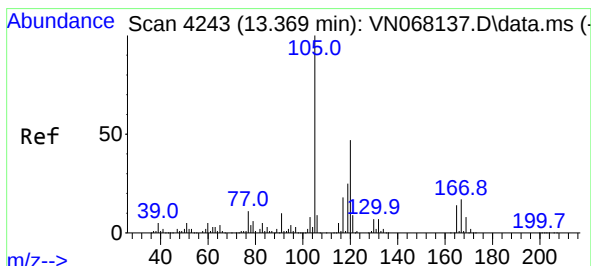
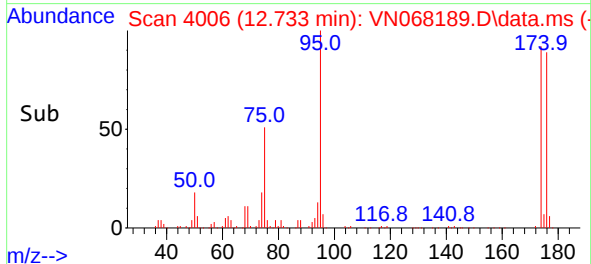
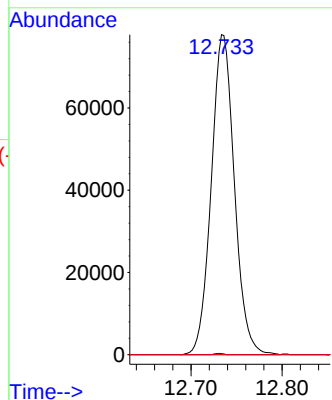
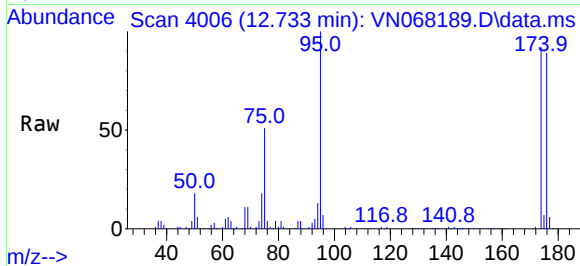




#81
trans-1,4-Dichloro-2-butene
Concen: 102.903 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

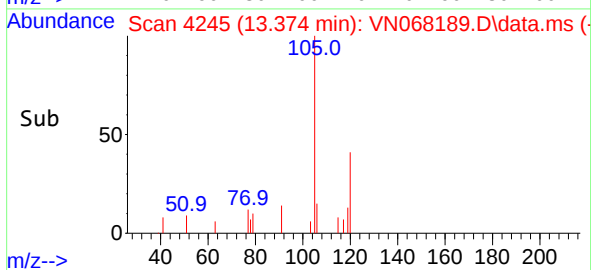
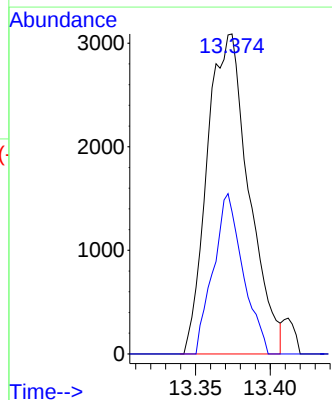
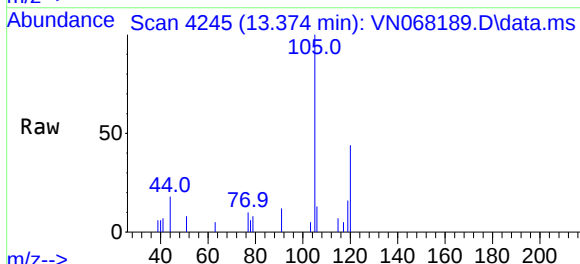
Instrument :
MSVOA_N
ClientSampled :

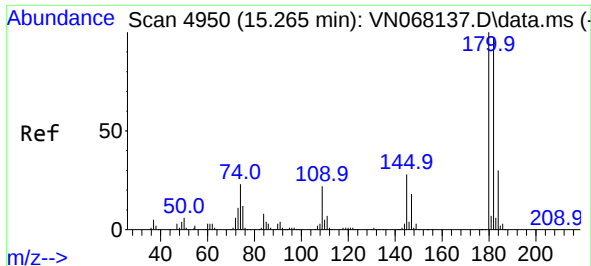
Tgt Ion: 75 Resp: 137217
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.405 ug/l
RT: 13.374 min Scan# 4245
Delta R.T. 0.005 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion:105 Resp: 5976
Ion Ratio Lower Upper
105 100
120 35.6 20.6 61.8

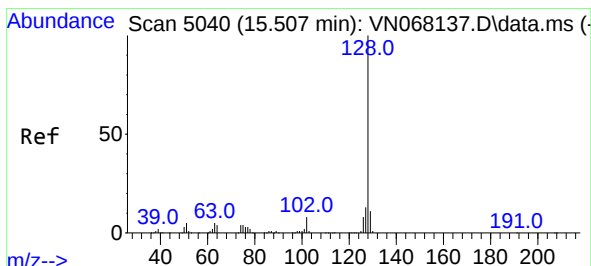
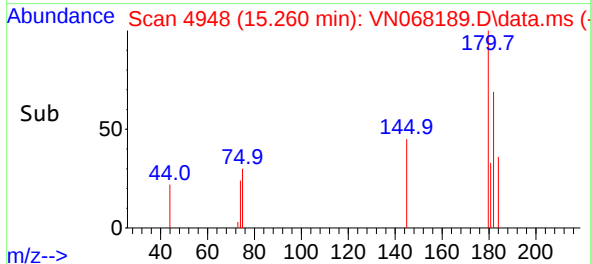
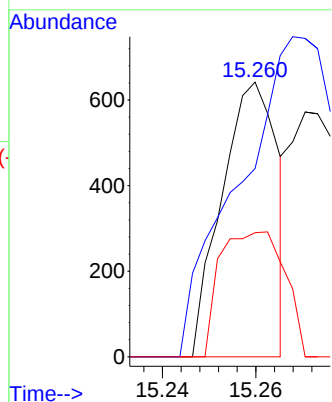
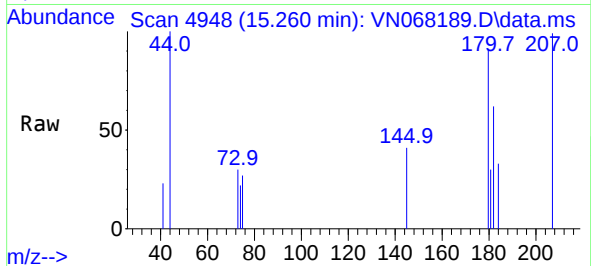




#93
1,2,4-Trichlorobenzene
Concen: 2.800 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

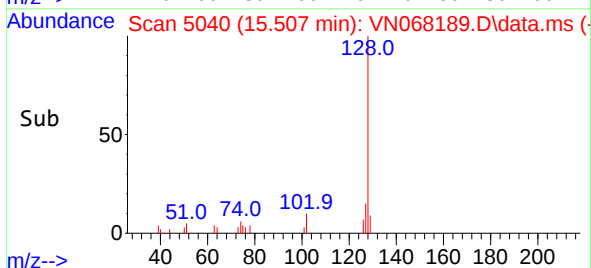
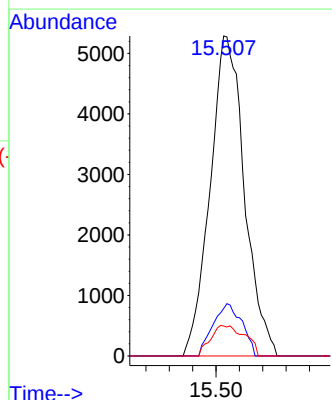
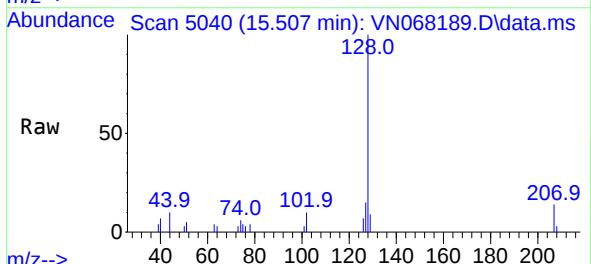
Instrument :
MSVOA_N
ClientSampled :

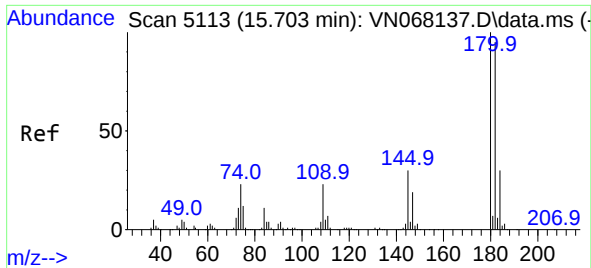
Tgt Ion:180 Resp: 532
Ion Ratio Lower Upper
180 100
182 218.2 47.5 142.5#
145 52.8 17.2 51.6#



#95
Naphthalene
Concen: 4.318 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068189.D
Acq: 18 Aug 2021 13:31

Tgt Ion:128 Resp: 10766
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 9.5 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.165 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. -0.001 min
 Lab File: VN068189.D
 Acq: 18 Aug 2021 13:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180 Resp: 1473
 Ion Ratio Lower Upper
 180 100
 182 93.4 47.8 143.3
 145 16.6 18.2 54.6#

