

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
 Data File : VN066858.D
 Acq On : 29 Apr 2021 13:51
 Operator : JC/MD
 Sample : M2173-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 06:14:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

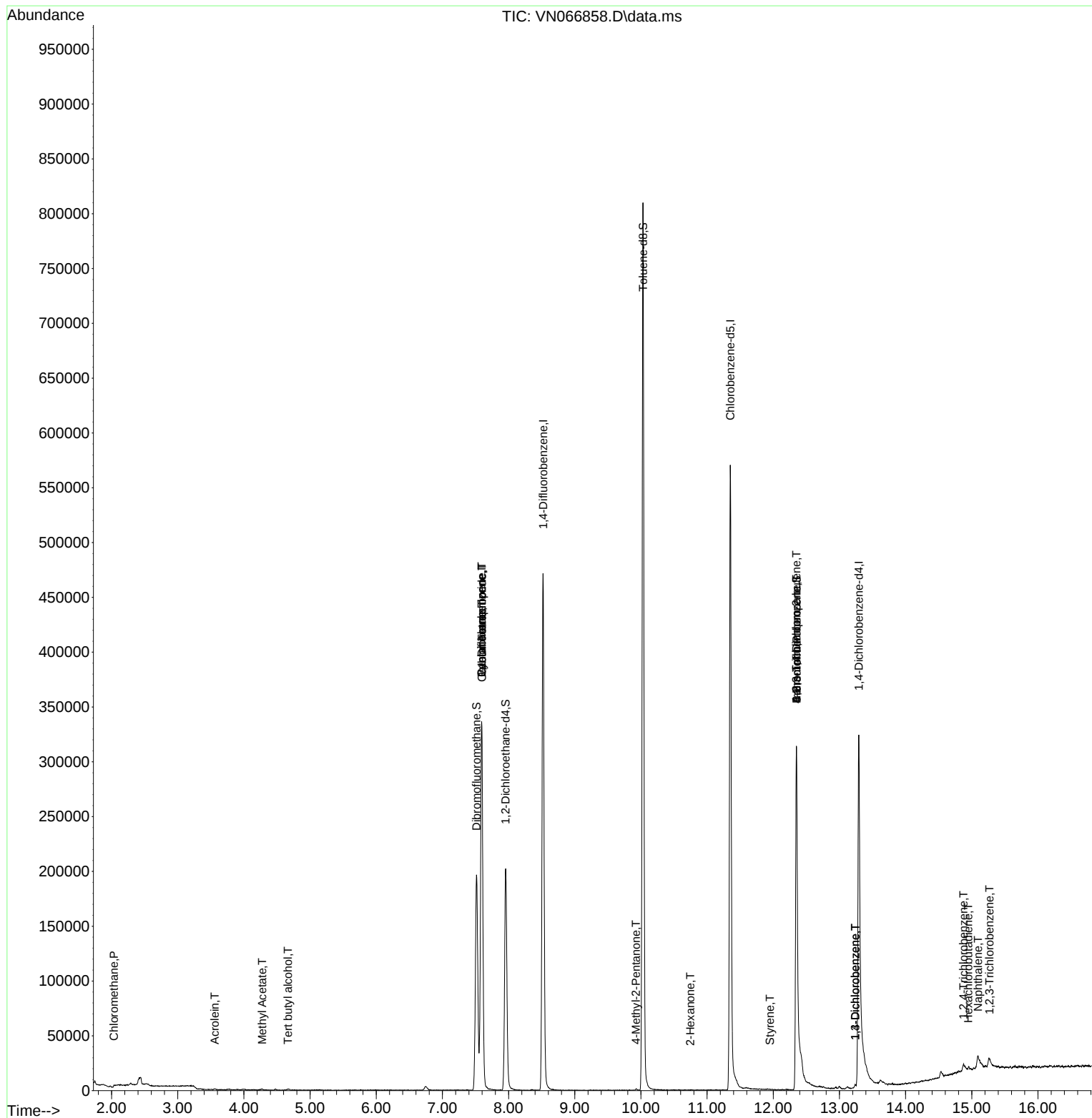
Internal Standards						
1) Pentafluorobenzene	7.594	168	304536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.521	114	455092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	389891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.293	152	150923	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	174647	44.63	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 89.26%			
35) Dibromofluoromethane	7.516	113	159089	56.63	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 113.26%			
50) Toluene-d8	10.031	98	590178	53.52	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.04%			
62) 4-Bromofluorobenzene	12.351	95	164937	44.21	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.42%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.037	50	931	0.21	ug/l	93
11) Tert butyl alcohol	4.665	59	155	0.26	ug/l #	73
13) Acrolein	3.557	56	554	1.10	ug/l #	64
18) Methyl Acetate	4.276	43	1763	1.55	ug/l #	54
31) Cyclohexane	7.594	56	4681	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	19409	4.59	ug/l #	48
38) Carbon Tetrachloride	7.596	117	25550	6.30	ug/l #	18
51) 4-Methyl-2-Pentanone	9.927	43	1366	0.35	ug/l #	60
59) 2-Hexanone	10.745	43	54	19.56	ug/l #	23
70) Styrene	11.949	104	227	3.07	ug/l #	26
71) Bromoform	12.351	173	780	0.37	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	66025	20.76	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	66025	56.86	ug/l #	12
87) 1,3-Dichlorobenzene	13.239	146	1146	0.25	ug/l	88
88) 1,4-Dichlorobenzene	13.239	146	1146	0.23	ug/l	89
93) 1,2,4-Trichlorobenzene	14.875	180	3865	1.48	ug/l	92
94) Hexachlorobutadiene	14.948	225	396	0.27	ug/l	73
95) Naphthalene	15.092	128	21094	3.15	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.267	180	5714	2.27	ug/l #	82

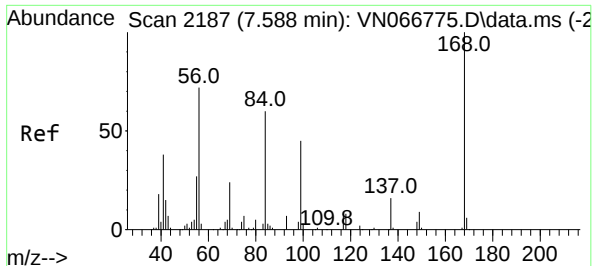
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Title : SW846 8260
QLast Update : Tue Apr 27 16:02:50 2021
Response via : Initial Calibration

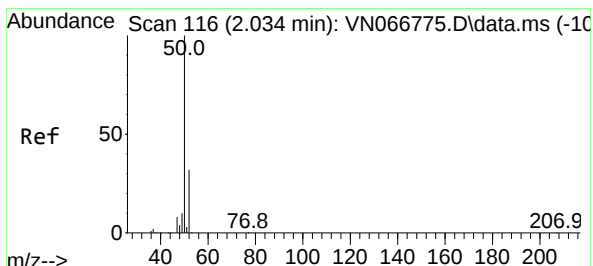
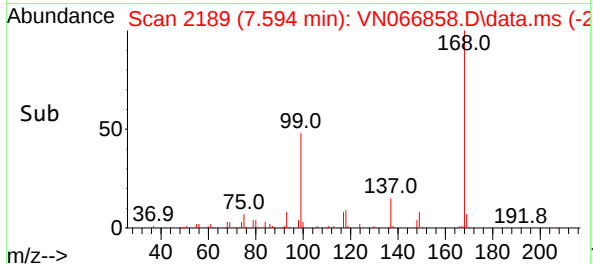
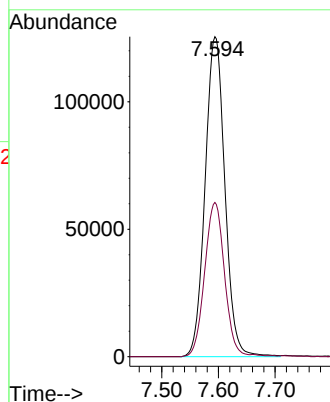
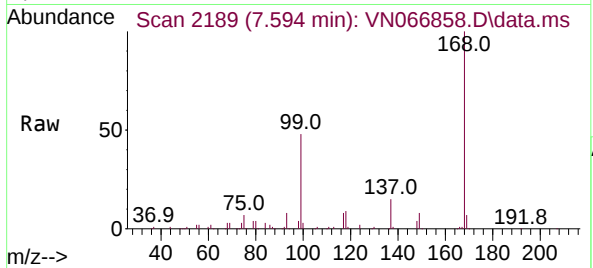




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

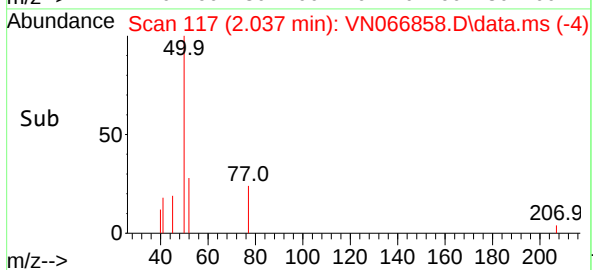
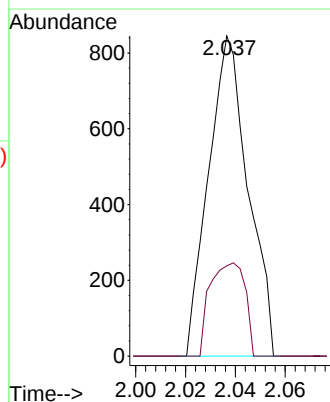
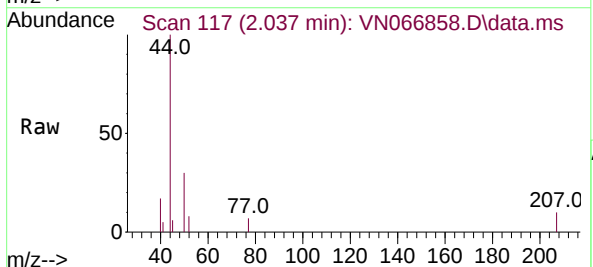
Instrument :
MSVOA_N
ClientSampled :

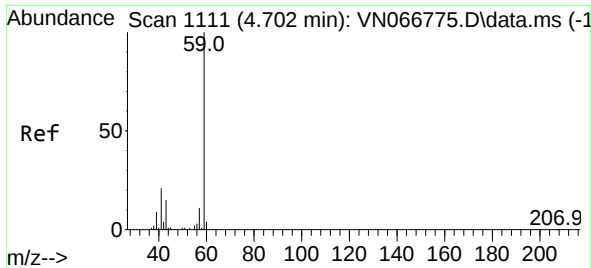
Tgt Ion:168 Resp: 304536
Ion Ratio Lower Upper
168 100
99 48.2 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

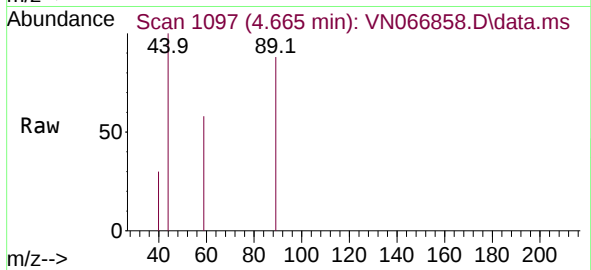
Tgt Ion: 50 Resp: 931
Ion Ratio Lower Upper
50 100
52 28.2 25.8 38.8



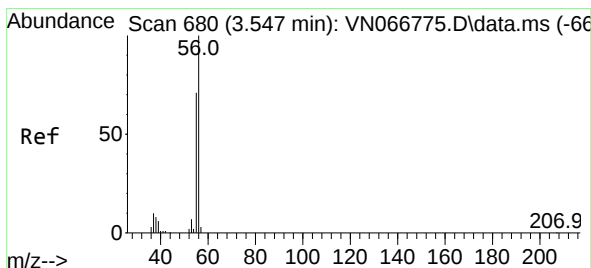
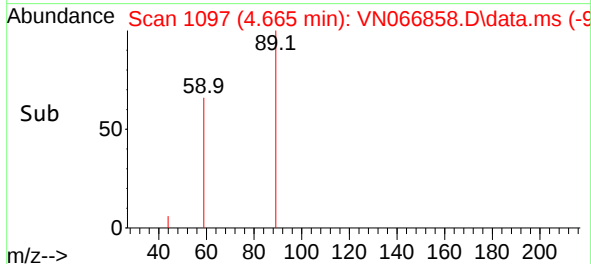
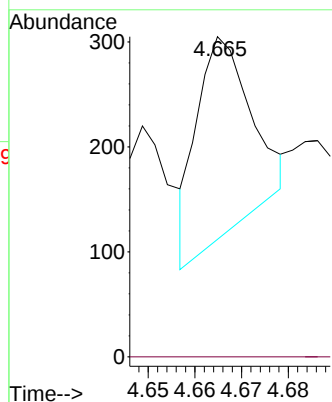


#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 4.665 min Scan# 1097
Delta R.T. -0.037 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Instrument :
MSVOA_N
ClientSampled :

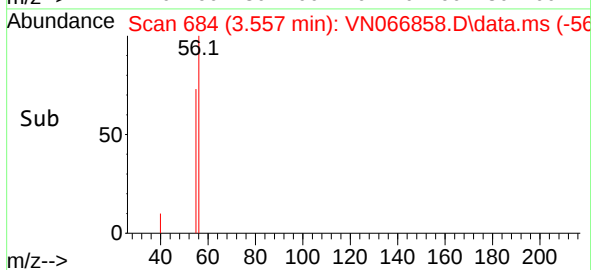
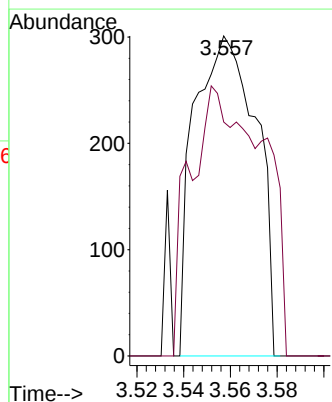
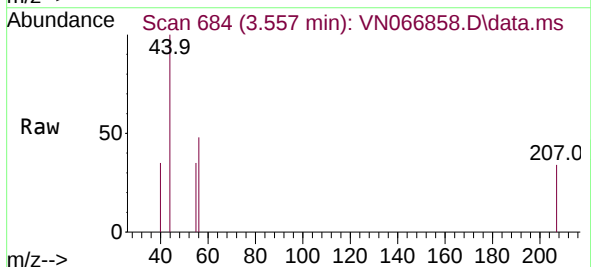


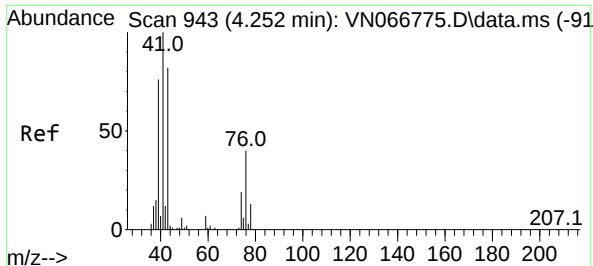
Tgt Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.10 ug/l
RT: 3.557 min Scan# 684
Delta R.T. 0.010 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Tgt Ion: 56 Resp: 554
Ion Ratio Lower Upper
56 100
55 99.6 56.0 84.0#





#18

Methyl Acetate

Concen: 1.55 ug/l

RT: 4.276 min Scan# 952

Delta R.T. 0.024 min

Lab File: VN066858.D

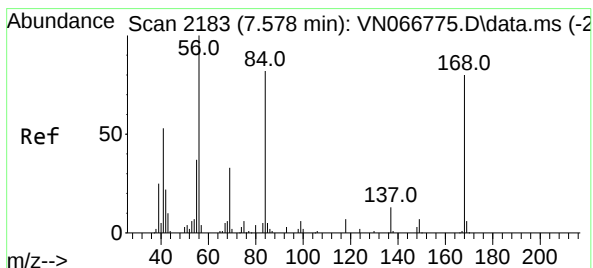
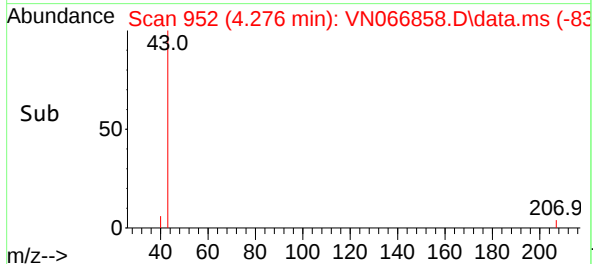
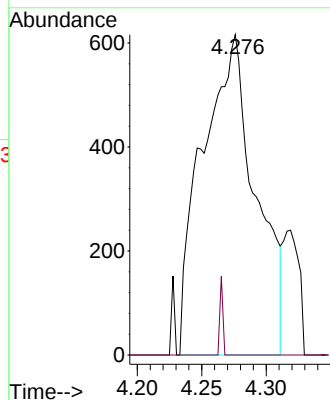
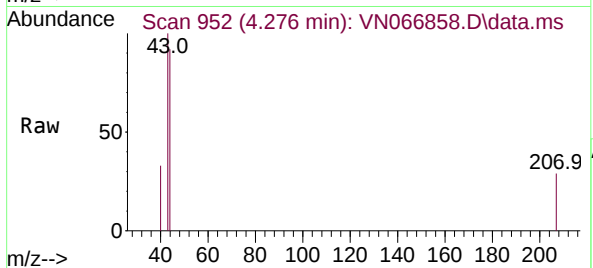
Acq: 29 Apr 2021 13:51

Tgt Ion: 43 Resp: 1763

Ion Ratio Lower Upper

43 100

74 1.4 19.5 29.3#



#31

Cyclohexane

Concen: 0.77 ug/l

RT: 7.594 min Scan# 2189

Delta R.T. 0.016 min

Lab File: VN066858.D

Acq: 29 Apr 2021 13:51

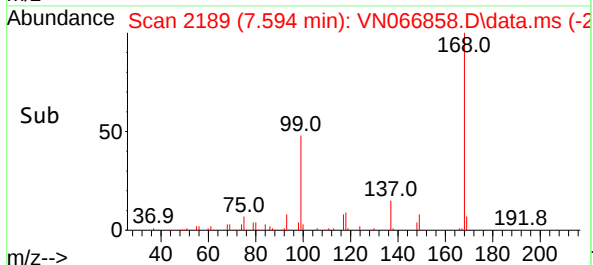
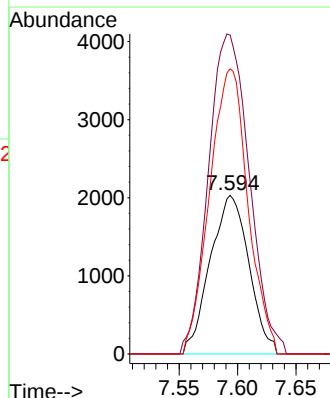
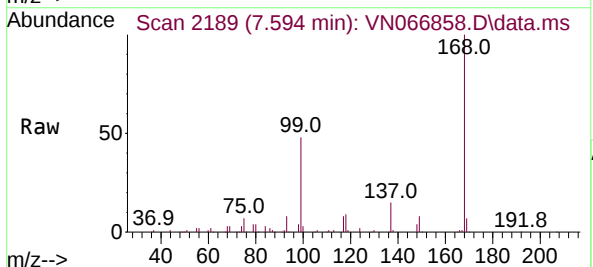
Tgt Ion: 56 Resp: 4681

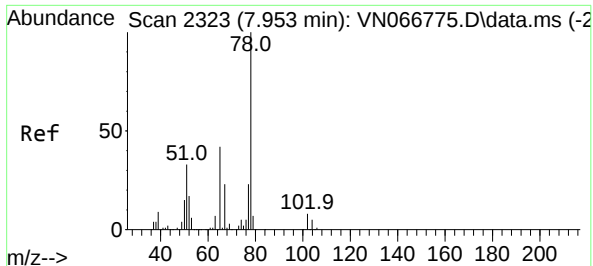
Ion Ratio Lower Upper

56 100

69 201.0 26.6 39.8#

84 179.8 70.4 105.6#



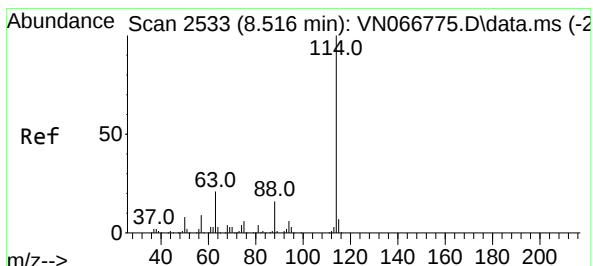
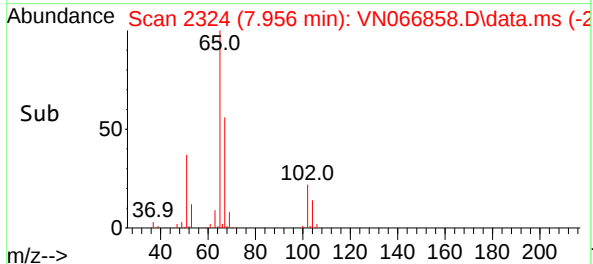
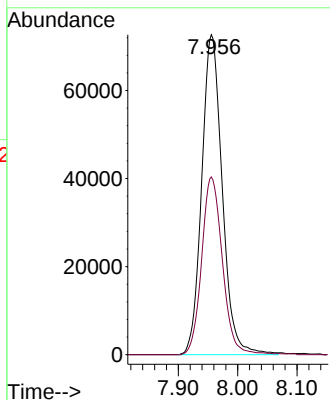
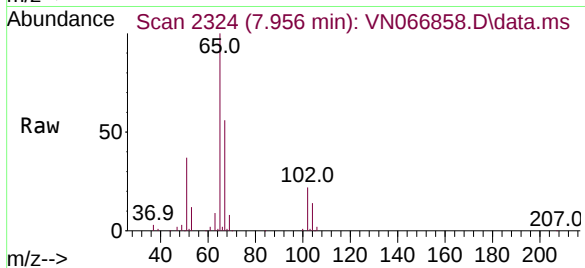


#33

1,2-Dichloroethane-d4
Concen: 44.63 ug/l
RT: 7.956 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Instrument :
MSVOA_N
ClientSampled :

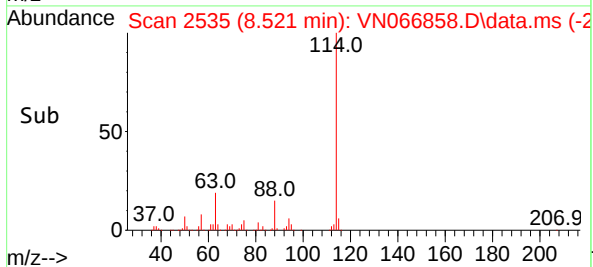
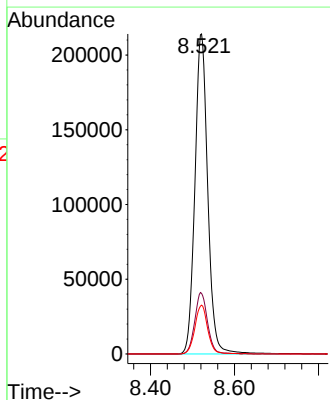
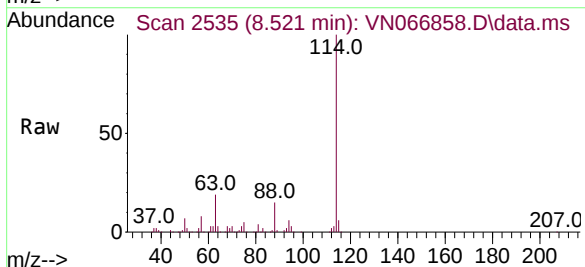
Tgt Ion: 65 Resp: 174647
Ion Ratio Lower Upper
65 100
67 55.8 0.0 107.2

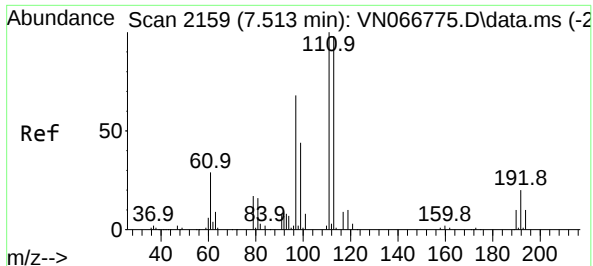


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.521 min Scan# 2535
Delta R.T. 0.005 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Tgt Ion: 114 Resp: 455092
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.6
88 15.3 0.0 30.6

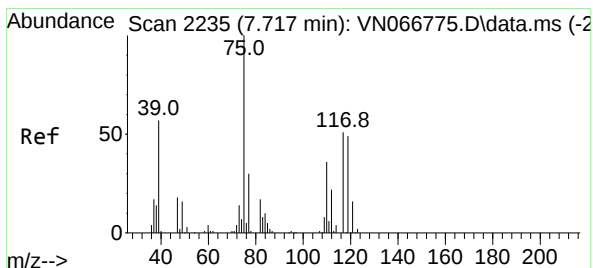
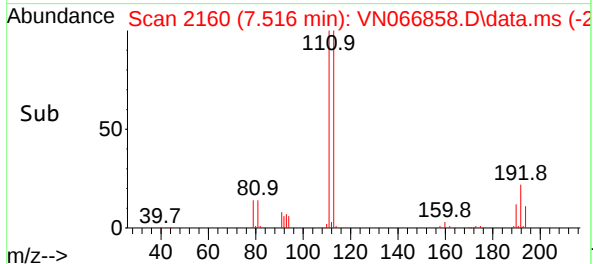
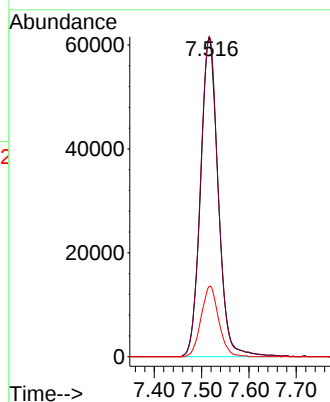
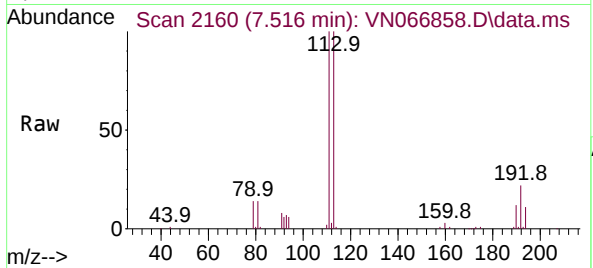




#35
Dibromofluoromethane
Concen: 56.63 ug/l
RT: 7.516 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

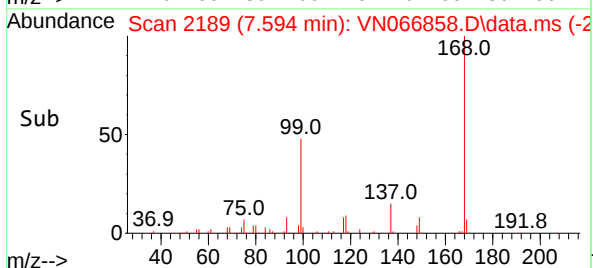
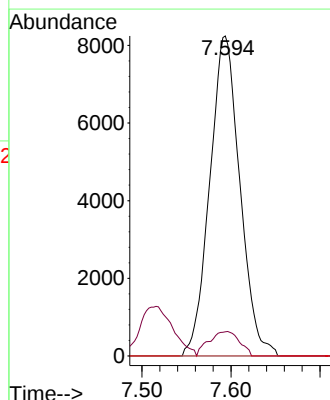
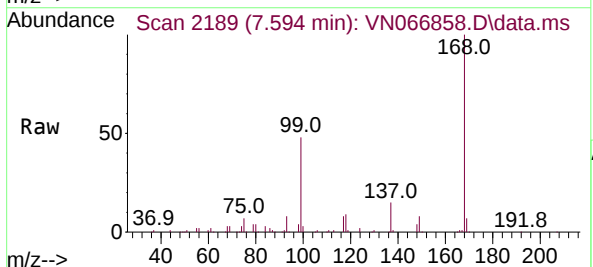
Instrument :
MSVOA_N
ClientSampleId :

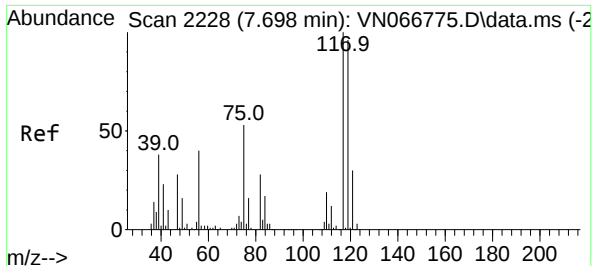
Tgt Ion:113 Resp: 159089
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.2
192 22.0 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.59 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.123 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

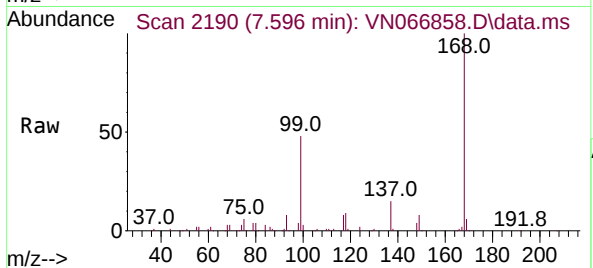
Tgt Ion: 75 Resp: 19409
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#



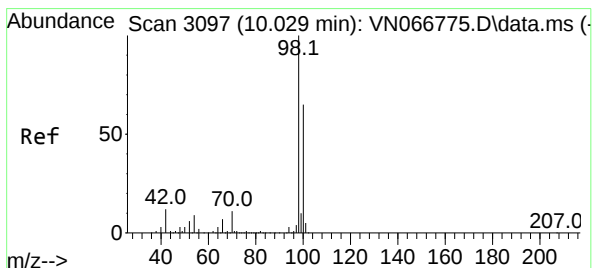
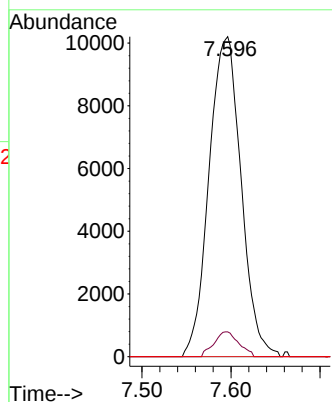
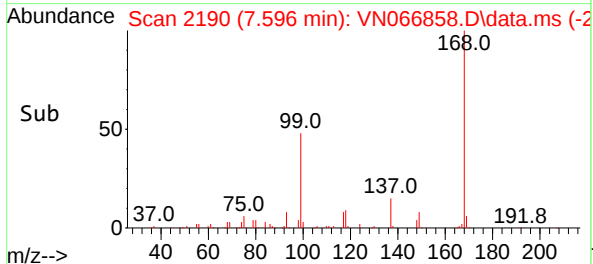


#38
Carbon Tetrachloride
Concen: 6.30 ug/l
RT: 7.596 min Scan# 2190
Delta R.T. -0.102 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

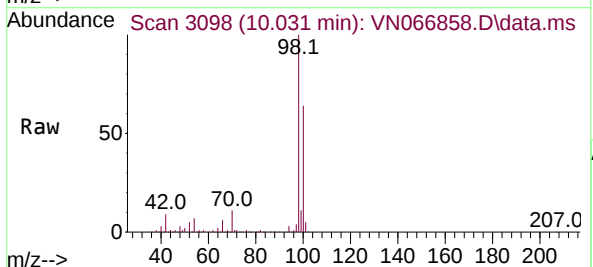
Instrument :
MSVOA_N
ClientSampled :



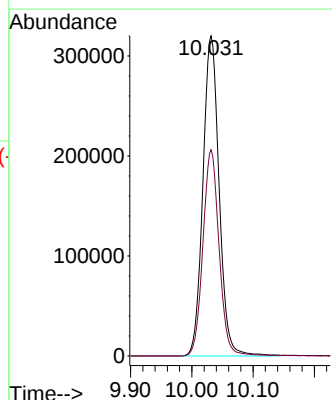
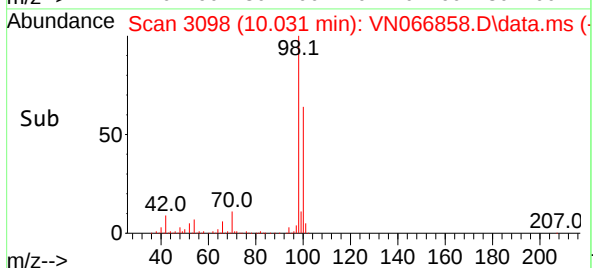
Tgt Ion:117 Resp: 25550
Ion Ratio Lower Upper
117 100
119 7.8 76.0 114.0#
121 0.0 24.5 36.7#

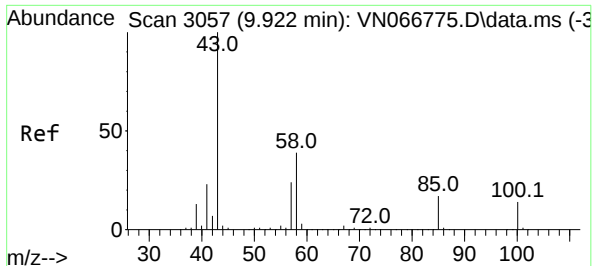


#50
Toluene-d8
Concen: 53.52 ug/l
RT: 10.031 min Scan# 3098
Delta R.T. 0.002 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51



Tgt Ion: 98 Resp: 590178
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

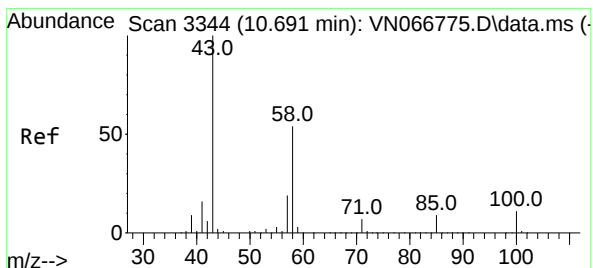
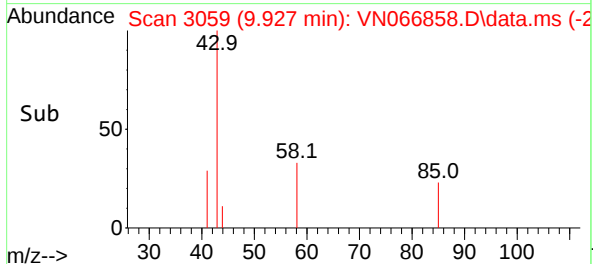
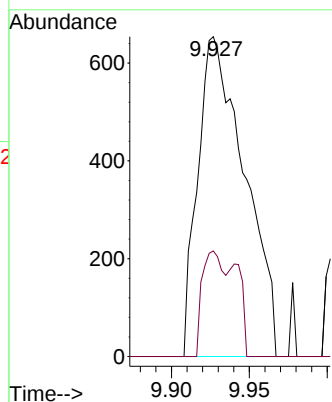
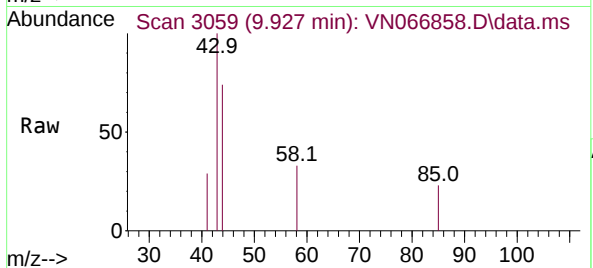




#51
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 9.927 min Scan# 3059
Delta R.T. 0.005 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

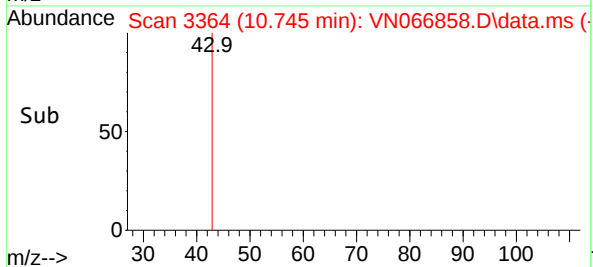
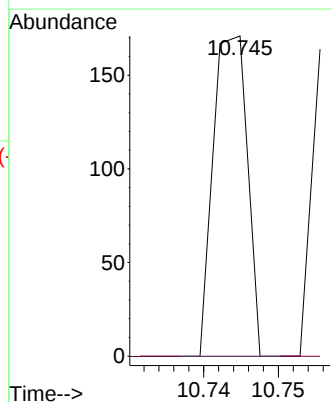
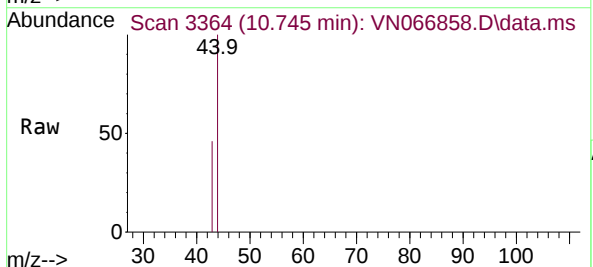
Instrument :
MSVOA_N
ClientSampled :

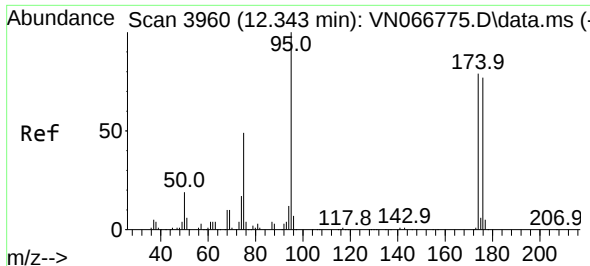
Tgt Ion: 43 Resp: 1366
Ion Ratio Lower Upper
43 100
58 15.4 32.5 48.7#



#59
2-Hexanone
Concen: 19.56 ug/l
RT: 10.745 min Scan# 3364
Delta R.T. 0.054 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

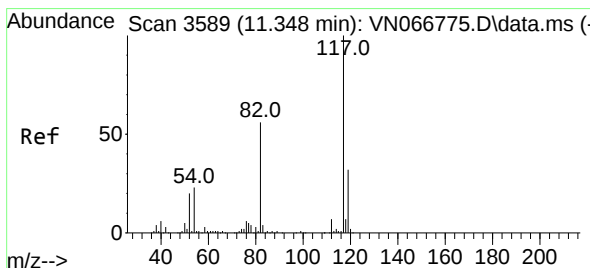
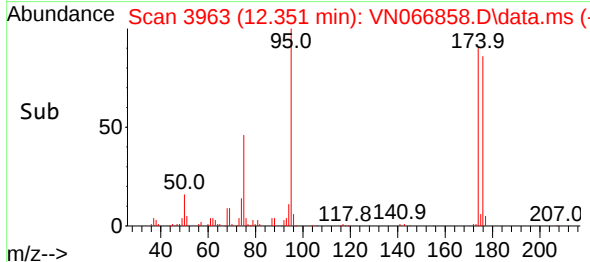
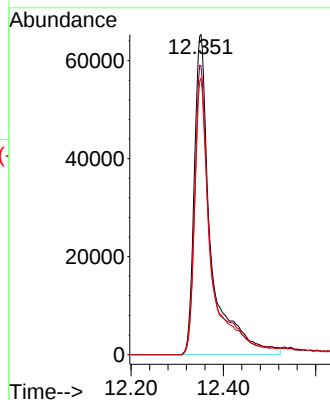
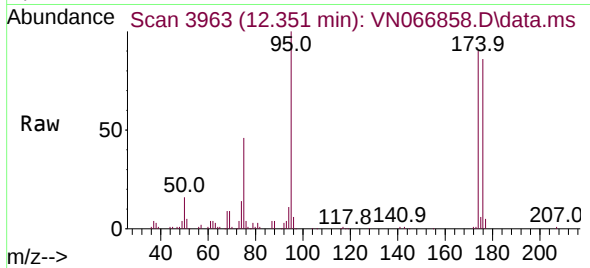




#62
4-Bromofluorobenzene
Concen: 44.21 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.008 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

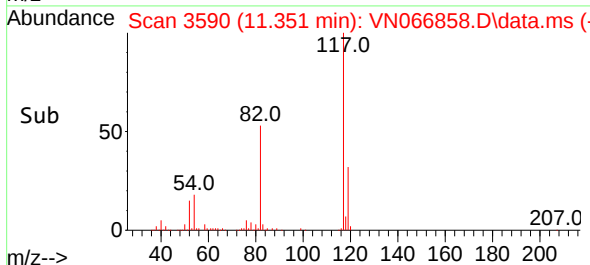
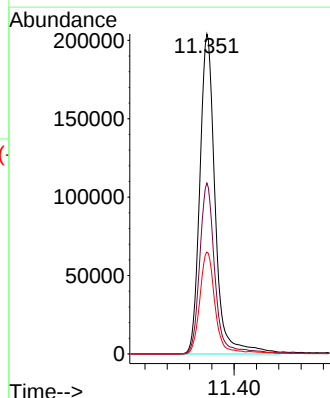
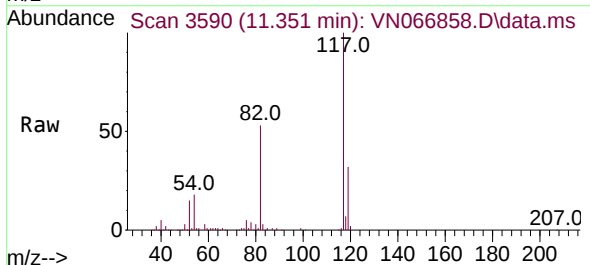
Instrument :
MSVOA_N
ClientSampleId :

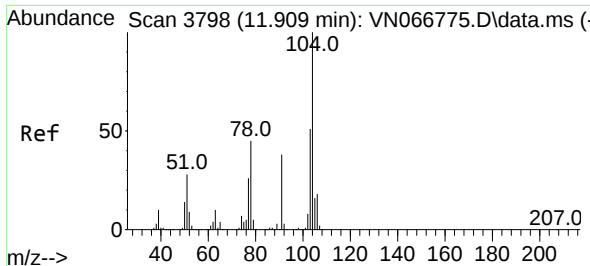
Tgt Ion: 95 Resp: 164937
Ion Ratio Lower Upper
95 100
174 87.6 0.0 169.0
176 83.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

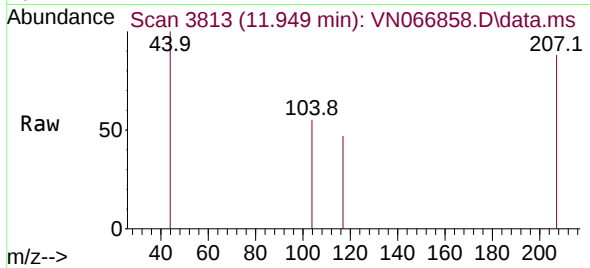
Tgt Ion: 117 Resp: 389891
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 31.9 26.1 39.1



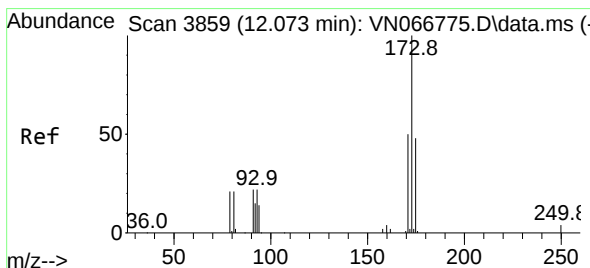
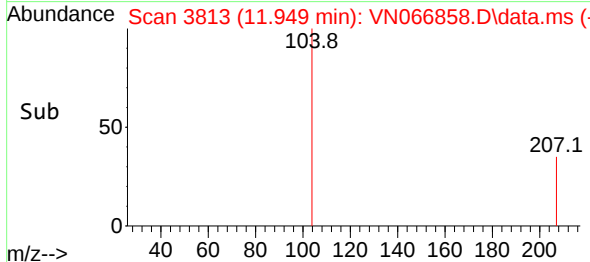
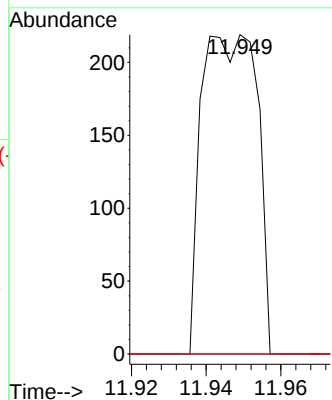


#70
Styrene
Concen: 3.07 ug/l
RT: 11.949 min Scan# 3813
Delta R.T. 0.040 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Instrument :
MSVOA_N
ClientSampled :

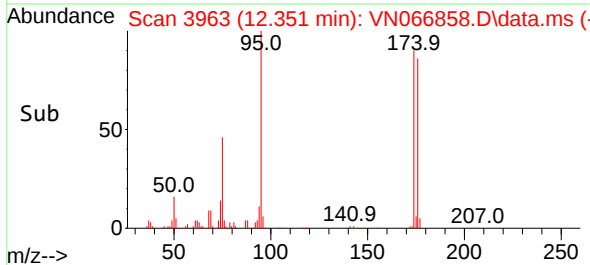
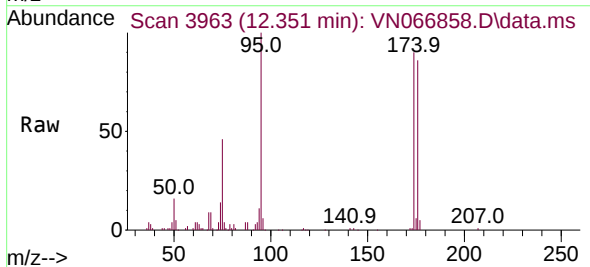
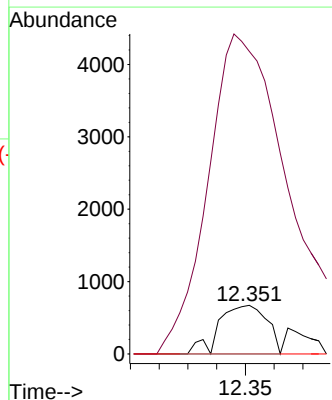


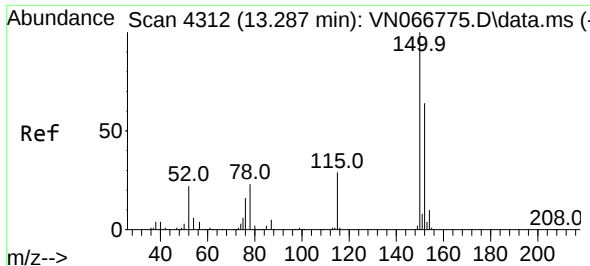
Tgt Ion:104 Resp: 227
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#



#71
Bromoform
Concen: 0.37 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.278 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Tgt Ion:173 Resp: 780
Ion Ratio Lower Upper
173 100
175 870.3 23.8 71.2#
254 0.0 0.0 0.0

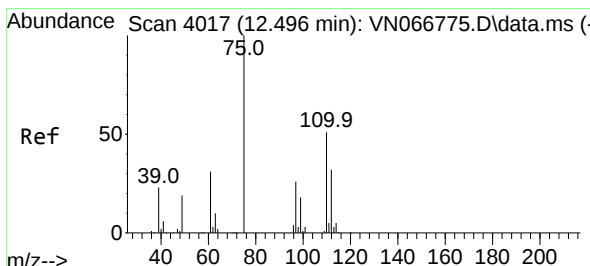
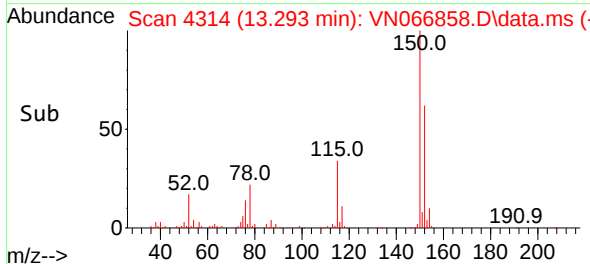
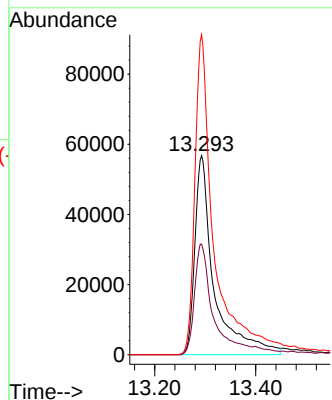
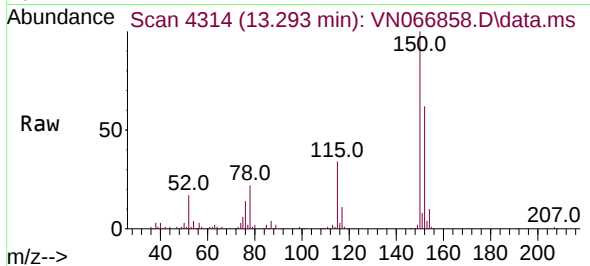




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.293 min Scan# 4314
 Delta R.T. 0.005 min
 Lab File: VN066858.D
 Acq: 29 Apr 2021 13:51

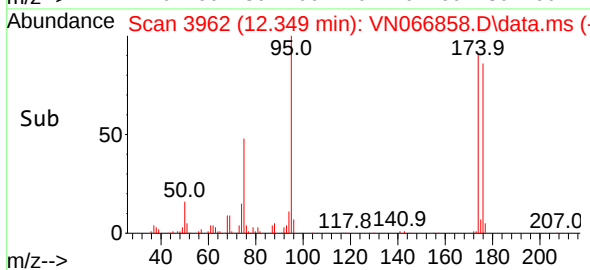
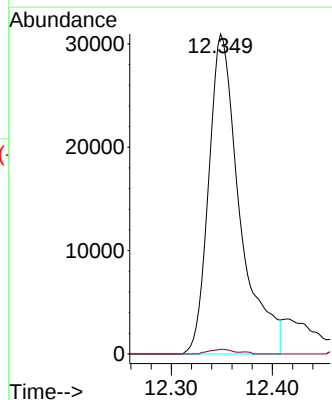
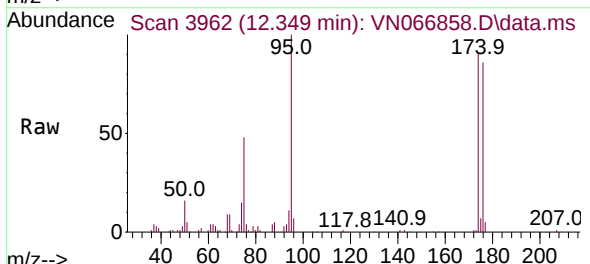
Instrument :
 MSVOA_N
 ClientSampled :

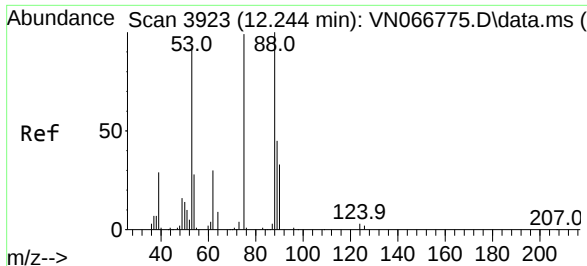
Tgt Ion:152 Resp: 150923
 Ion Ratio Lower Upper
 152 100
 115 52.9 28.5 85.6
 150 161.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 20.76 ug/l
 RT: 12.349 min Scan# 3962
 Delta R.T. -0.147 min
 Lab File: VN066858.D
 Acq: 29 Apr 2021 13:51

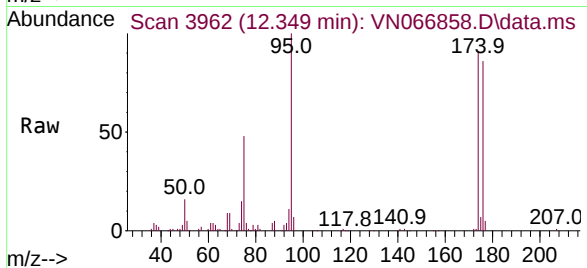
Tgt Ion: 75 Resp: 66025
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



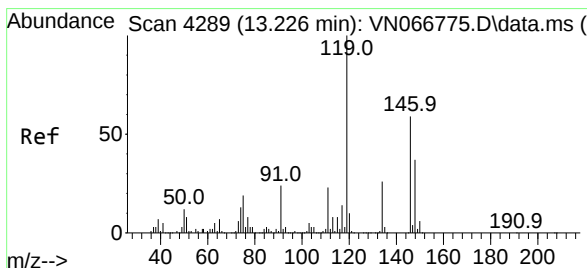
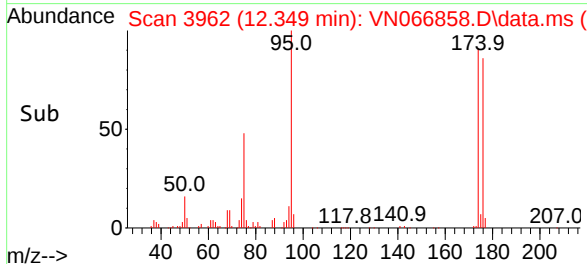
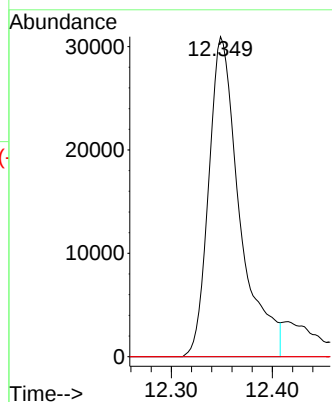


#81
trans-1,4-Dichloro-2-butene
Concen: 56.86 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Instrument :
MSVOA_N
ClientSampleId :

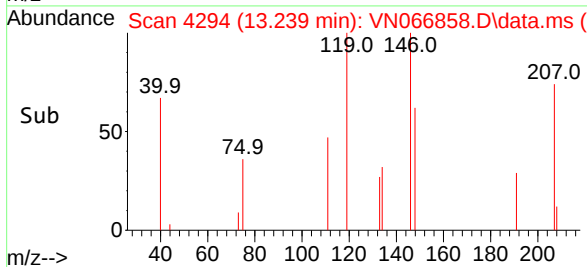
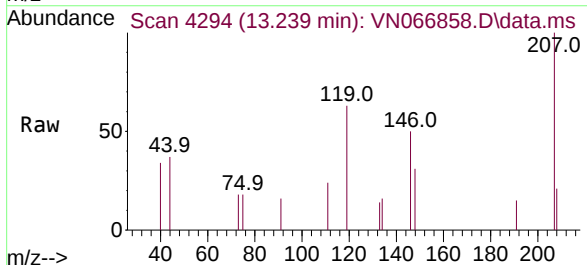
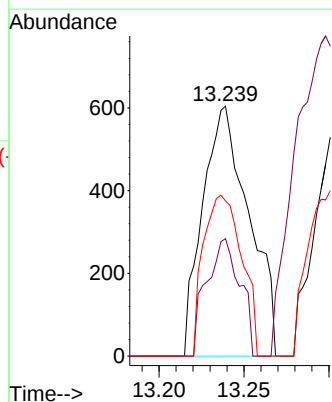


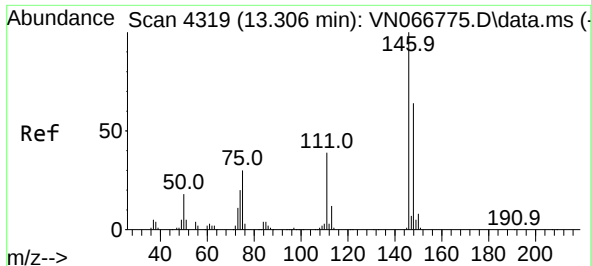
Tgt Ion: 75 Resp: 66025
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#87
1,3-Dichlorobenzene
Concen: 0.25 ug/l
RT: 13.239 min Scan# 4294
Delta R.T. 0.013 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Tgt Ion: 146 Resp: 1146
Ion Ratio Lower Upper
146 100
111 33.9 19.5 58.5
148 53.4 32.3 96.9

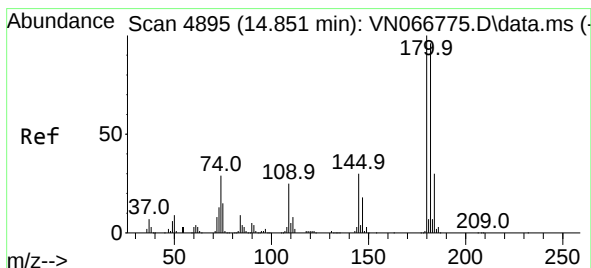
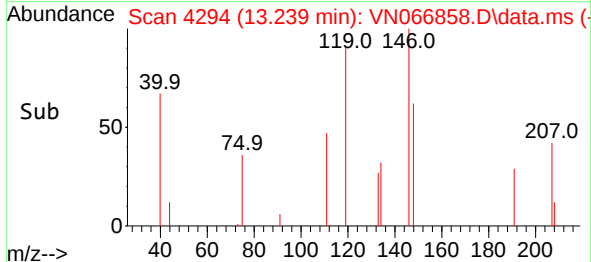
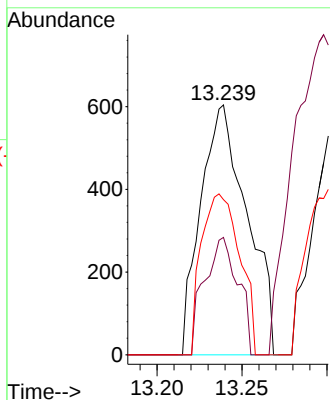
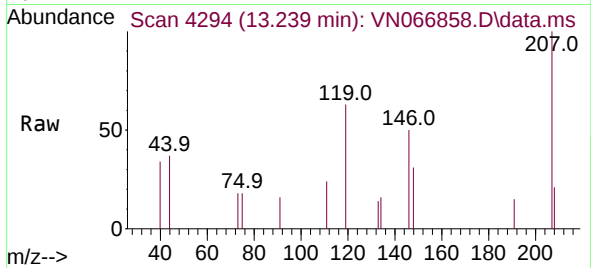




#88
1,4-Dichlorobenzene
Concen: 0.23 ug/l
RT: 13.239 min Scan# 4294
Delta R.T. -0.067 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

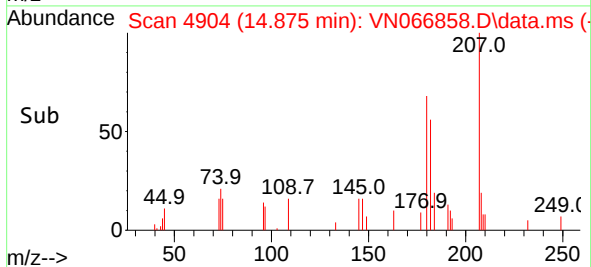
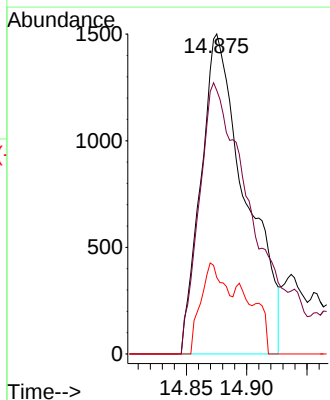
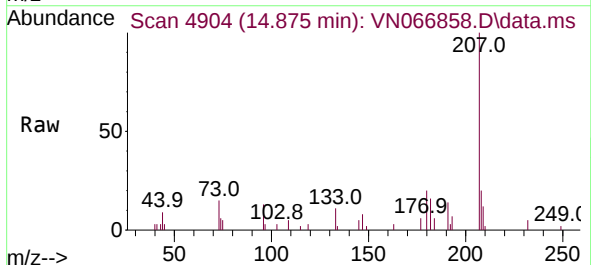
Instrument :
MSVOA_N
ClientSampleId :

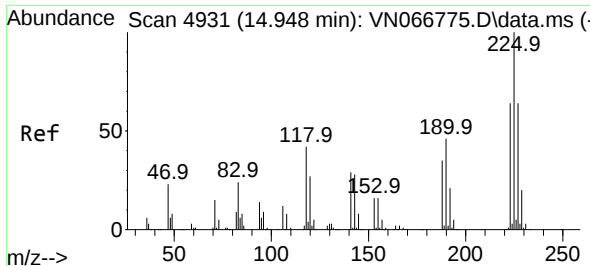
Tgt Ion:146 Resp: 1146
Ion Ratio Lower Upper
146 100
111 33.9 19.0 57.0
148 53.4 31.8 95.3



#93
1,2,4-Trichlorobenzene
Concen: 1.48 ug/l
RT: 14.875 min Scan# 4904
Delta R.T. 0.024 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Tgt Ion:180 Resp: 3865
Ion Ratio Lower Upper
180 100
182 96.5 47.3 142.0
145 16.6 15.6 46.8

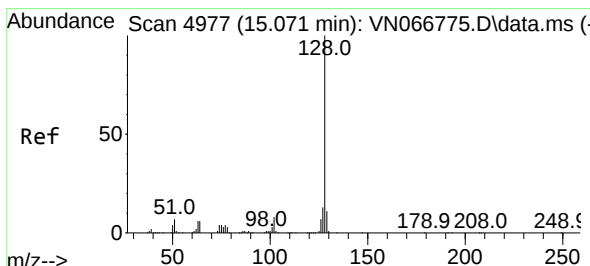
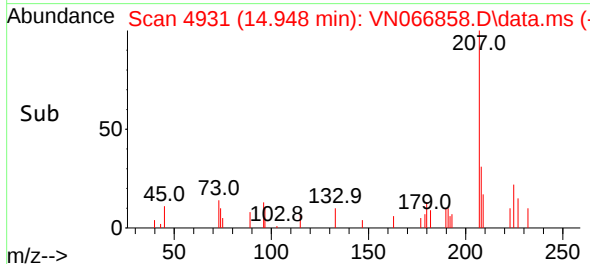
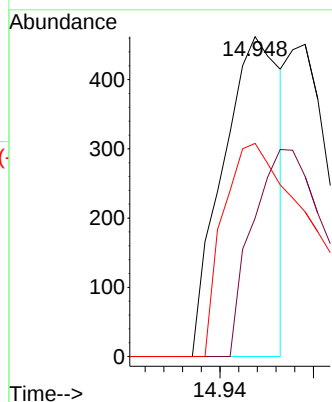
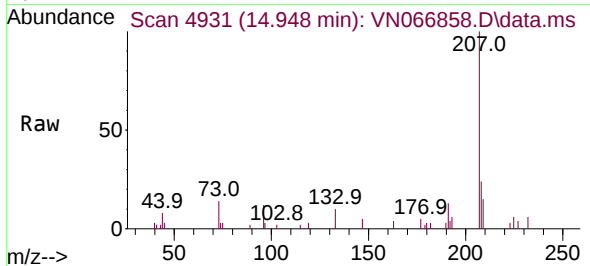




#94
Hexachlorobutadiene
Concen: 0.27 ug/l
RT: 14.948 min Scan# 4931
Delta R.T. -0.000 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

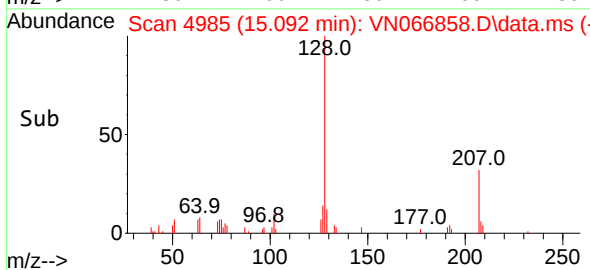
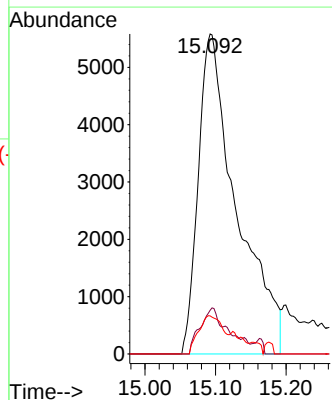
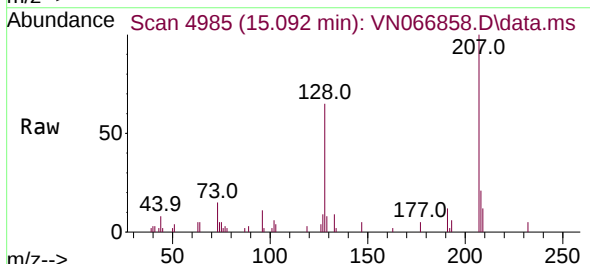
Instrument :
MSVOA_N
ClientSampled :

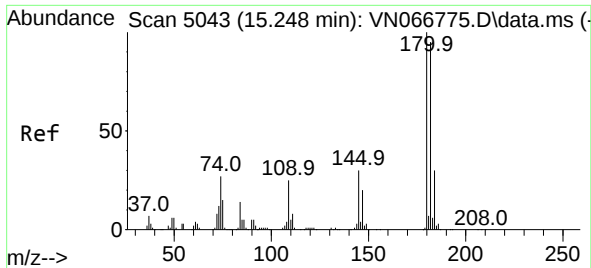
Tgt Ion:	225	Resp:	396
Ion	Ratio	Lower	Upper
225	100		
223	74.7	31.9	95.9
227	94.4	31.6	95.0



#95
Naphthalene
Concen: 3.15 ug/l
RT: 15.092 min Scan# 4985
Delta R.T. 0.021 min
Lab File: VN066858.D
Acq: 29 Apr 2021 13:51

Tgt Ion:	128	Resp:	21094
Ion	Ratio	Lower	Upper
128	100		
127	9.8	10.2	15.2#
129	7.6	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.27 ug/l
 RT: 15.267 min Scan# 5050
 Delta R.T. 0.019 min
 Lab File: VN066858.D
 Acq: 29 Apr 2021 13:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	180	Resp:	5714
Ion Ratio	Lower	Upper	
180	100		
182	105.9	47.4	142.3
145	11.0	16.5	49.5#

