

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
 Data File : VN066823.D
 Acq On : 28 Apr 2021 19:28
 Operator : JC/MD
 Sample : PB136019ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 04:31:52 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)

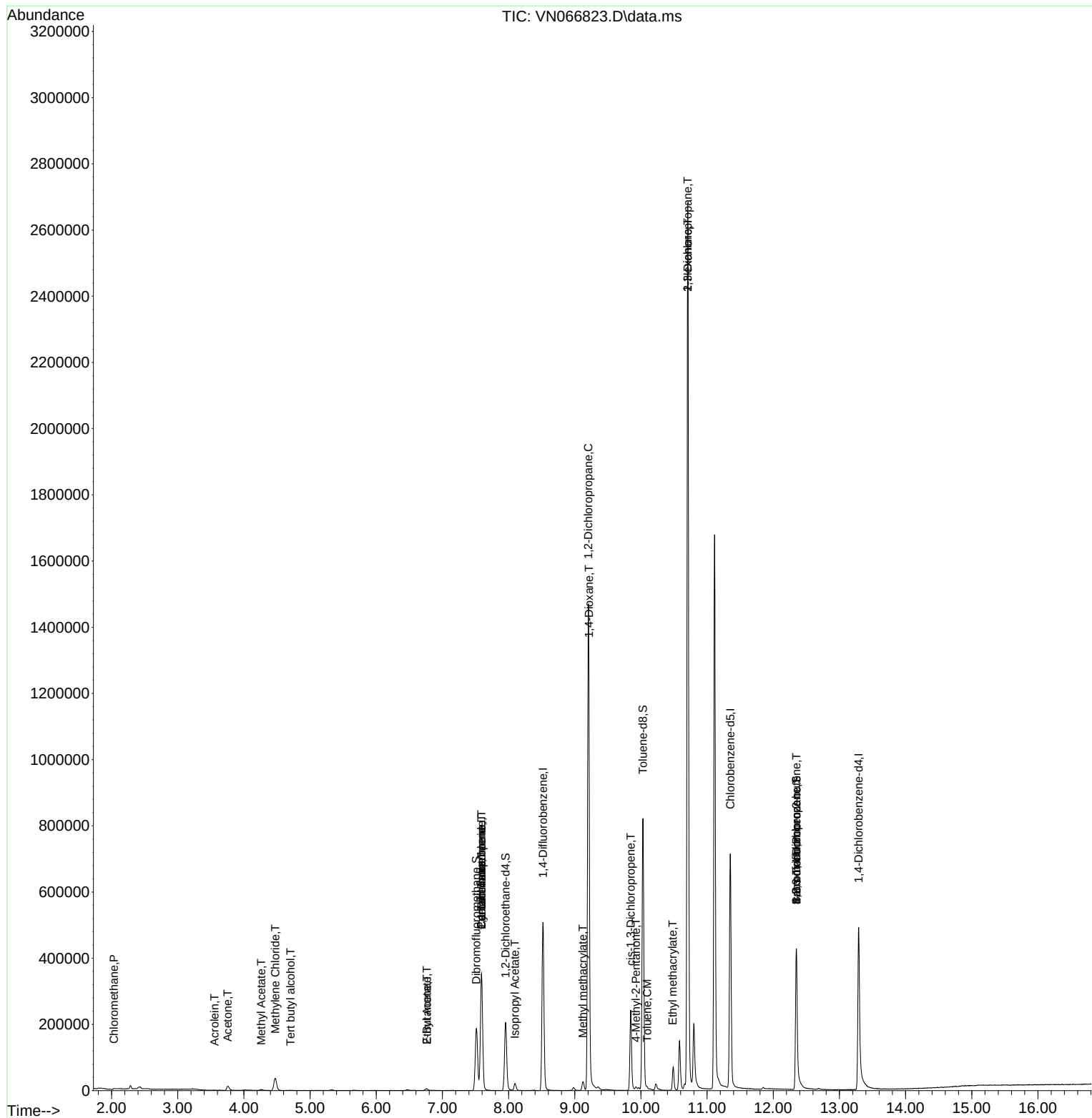
Internal Standards						
1) Pentafluorobenzene	7.591	168	316851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	486985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	449194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	180427	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	173491	42.62	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 85.24%			
35) Dibromofluoromethane	7.513	113	152545	50.75	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.50%			
50) Toluene-d8	10.029	98	596754	50.57	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.14%			
62) 4-Bromofluorobenzene	12.349	95	186793	46.79	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.58%			
Target Compounds					Qvalue	
3) Chloromethane	2.037	50	1145	0.25	ug/l	96
11) Tert butyl alcohol	4.705	59	1009	1.61	ug/l #	73
13) Acrolein	3.555	56	567	1.08	ug/l	99
16) Acetone	3.756	43	22333	14.54	ug/l	98
18) Methyl Acetate	4.263	43	5662	2.45	ug/l #	63
20) Methylene Chloride	4.475	84	29774	7.65	ug/l	98
25) 2-Butanone	6.765	43	10388	4.81	ug/l	96
31) Cyclohexane	7.591	56	5228	0.83	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	20887	4.62	ug/l #	44
37) Ethyl Acetate	6.765	43	10388	2.16	ug/l #	68
38) Carbon Tetrachloride	7.591	117	26898	6.20	ug/l #	18
43) Isopropyl Acetate	8.095	43	26269	3.44	ug/l #	92
45) 1,2-Dichloropropane	9.206	63	1797	0.48	ug/l #	44
48) Methyl methacrylate	9.120	41	6764	2.03	ug/l #	10
49) 1,4-Dioxane	9.214	88	56	1.12	ug/l #	1
51) 4-Methyl-2-Pentanone	9.924	43	7445	1.79	ug/l	91
52) Toluene	10.093	92	2480	0.29	ug/l	97
54) cis-1,3-Dichloropropene	9.847	75	47992	8.34	ug/l #	59
56) Ethyl methacrylate	10.482	69	534	3.26	ug/l #	1
57) 1,3-Dichloropropane	10.708	76	29324	5.28	ug/l #	43
59) 2-Hexanone	10.708	43	369933	123.95	ug/l #	52
71) Bromoform	12.349	173	1156	0.47	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	88091	23.16	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	88091	62.63	ug/l #	12

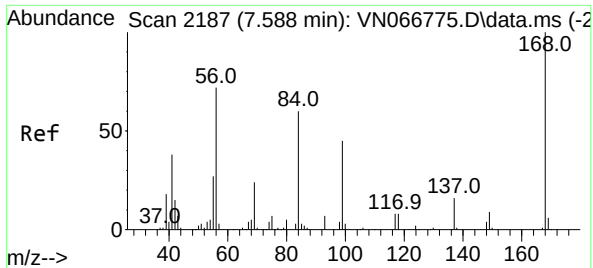
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

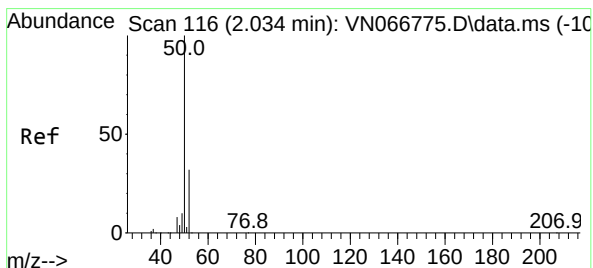
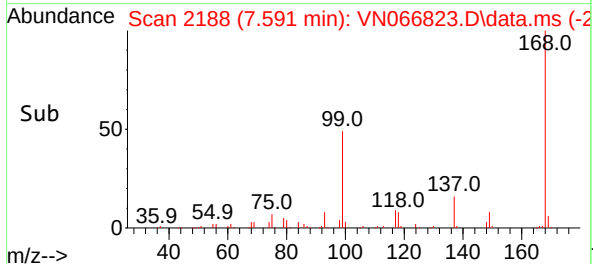
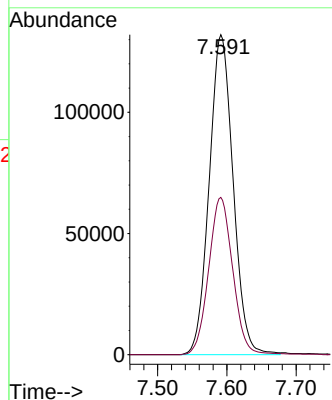
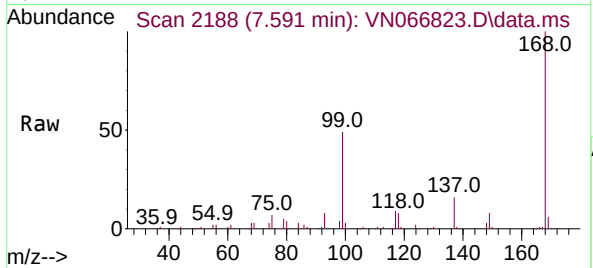




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

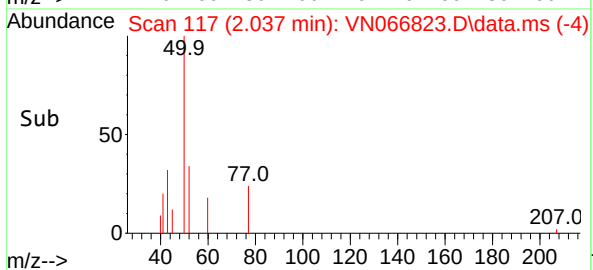
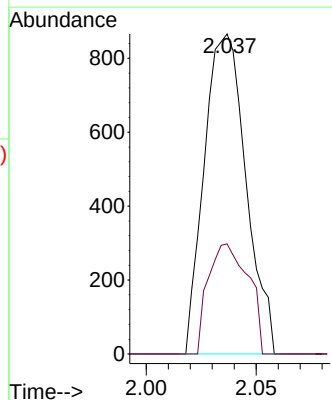
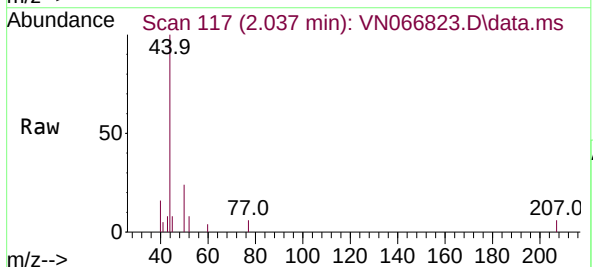
Instrument :
MSVOA_N
ClientSampleId :

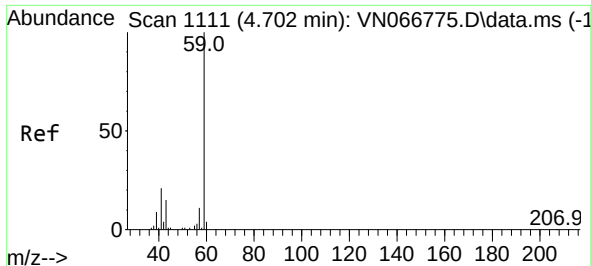
Tgt Ion:168 Resp: 316851
Ion Ratio Lower Upper
168 100
99 49.2 42.6 63.8



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

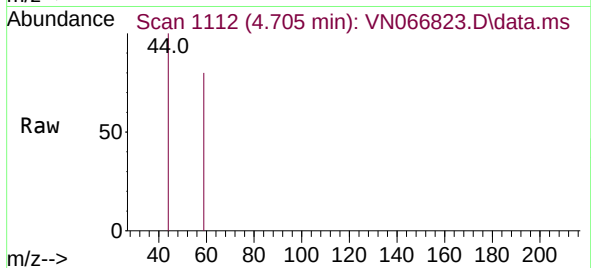
Tgt Ion: 50 Resp: 1145
Ion Ratio Lower Upper
50 100
52 34.4 25.8 38.8



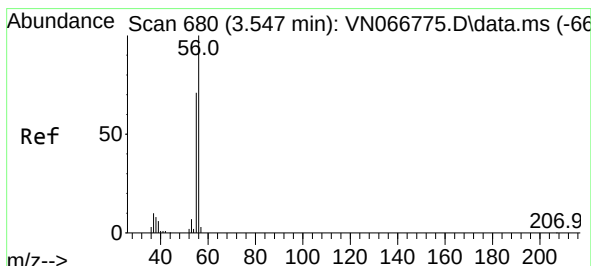
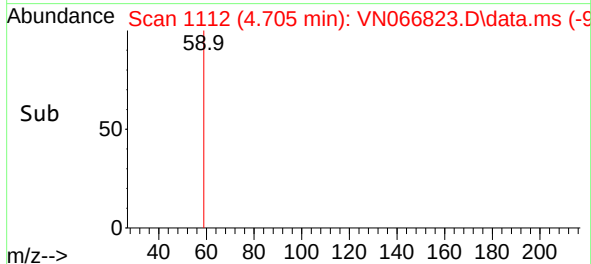
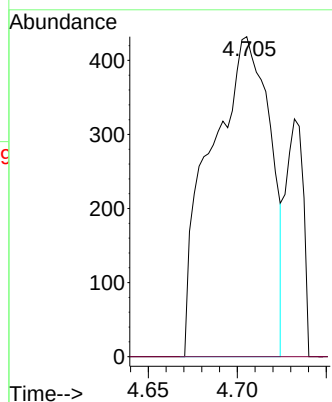


#11
Tert butyl alcohol
Concen: 1.61 ug/l
RT: 4.705 min Scan# 1112
Delta R.T. 0.003 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Instrument :
MSVOA_N
ClientSampled :

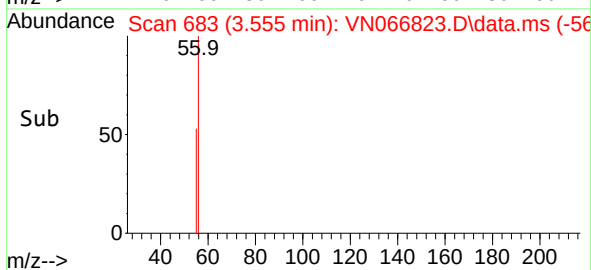
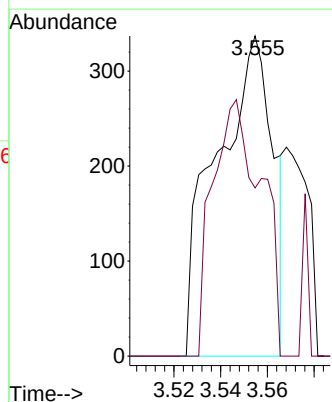
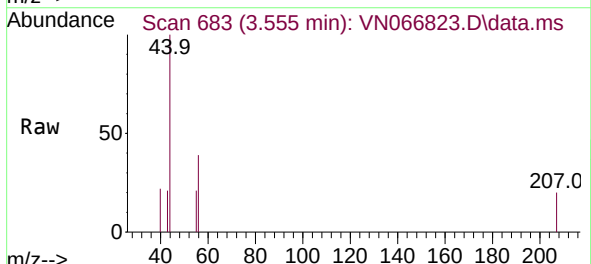


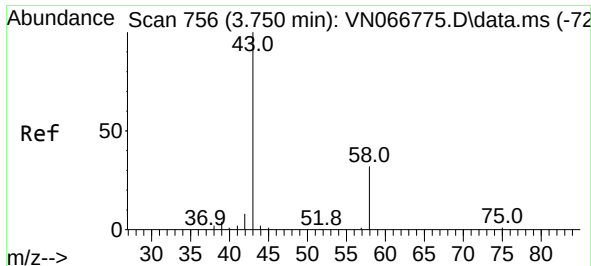
Tgt Ion: 59 Resp: 1009
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.08 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Tgt Ion: 56 Resp: 567
Ion Ratio Lower Upper
56 100
55 68.8 56.0 84.0

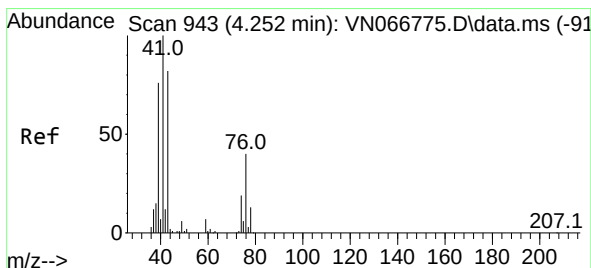
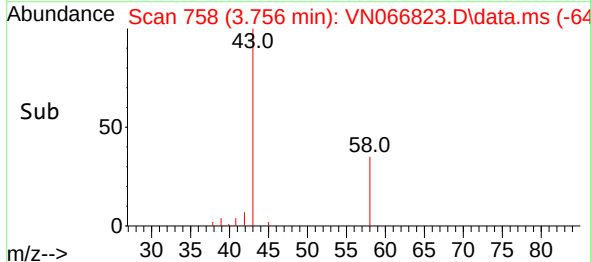
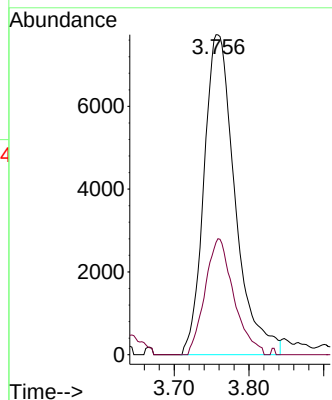
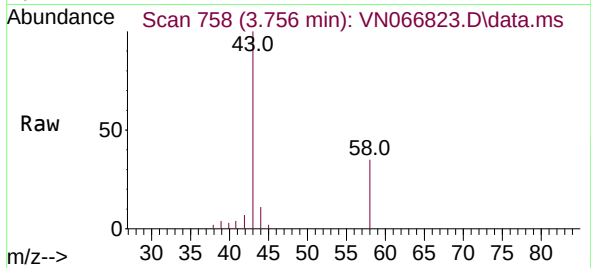




#16
Acetone
Concen: 14.54 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.006 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

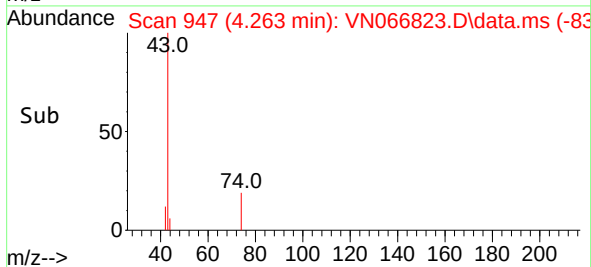
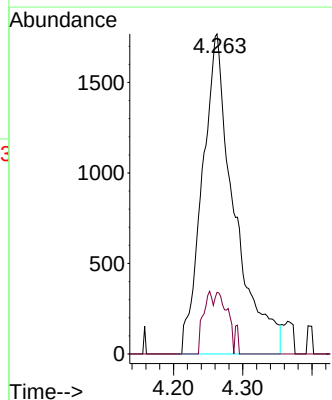
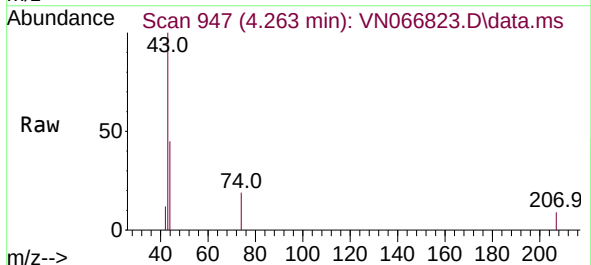
Instrument :
MSVOA_N
ClientSampled :

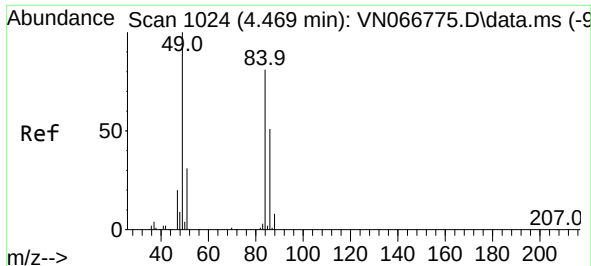
Tgt Ion: 43 Resp: 22333
Ion Ratio Lower Upper
43 100
58 35.1 27.0 40.6



#18
Methyl Acetate
Concen: 2.45 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.011 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Tgt Ion: 43 Resp: 5662
Ion Ratio Lower Upper
43 100
74 6.1 19.5 29.3#





#20

Methylene Chloride

Concen: 7.65 ug/l

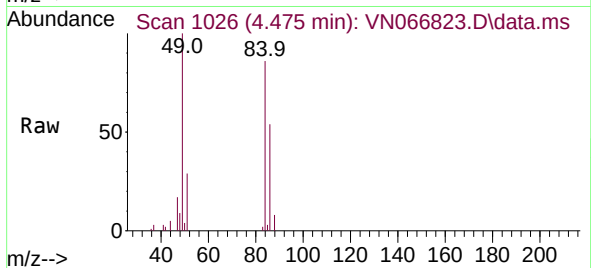
RT: 4.475 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN066823.D

Acq: 28 Apr 2021 19:28

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 29774

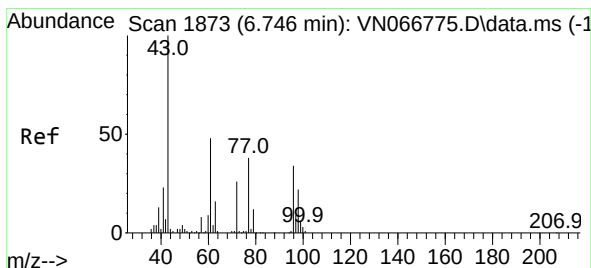
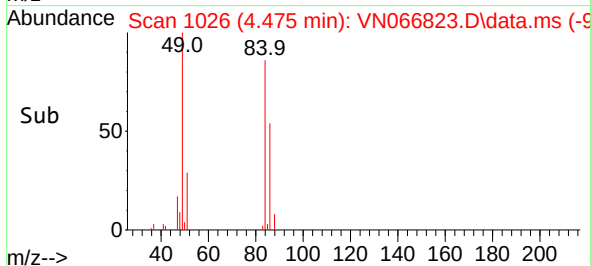
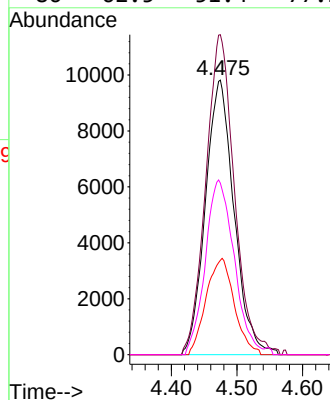
Ion Ratio Lower Upper

84 100

49 116.6 94.6 141.8

51 34.4 29.9 44.9

86 62.5 51.4 77.2



#25

2-Butanone

Concen: 4.81 ug/l

RT: 6.765 min Scan# 1880

Delta R.T. 0.019 min

Lab File: VN066823.D

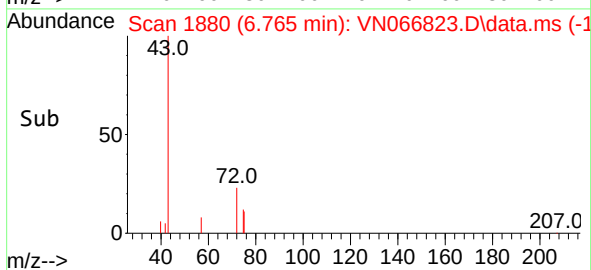
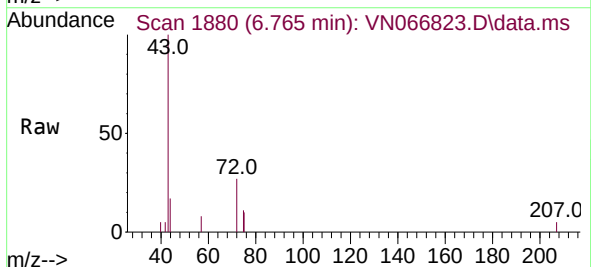
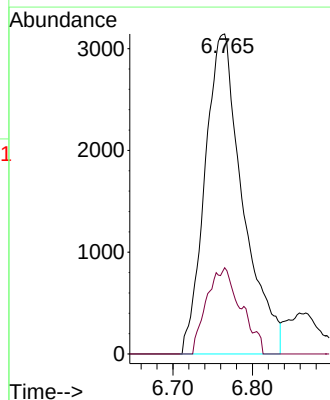
Acq: 28 Apr 2021 19:28

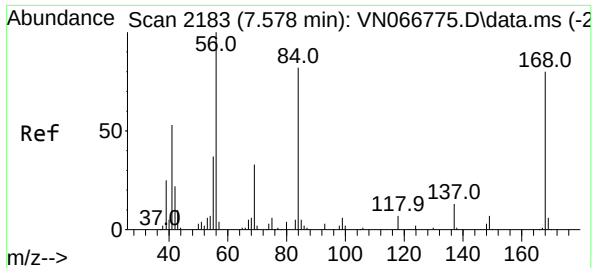
Tgt Ion: 43 Resp: 10388

Ion Ratio Lower Upper

43 100

72 26.9 23.1 34.7

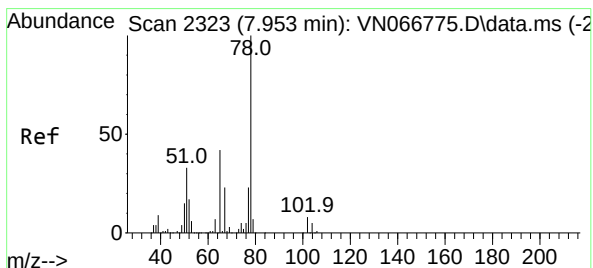
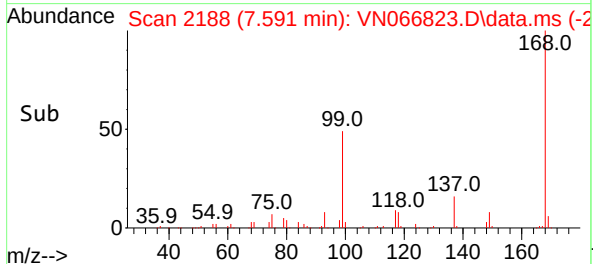
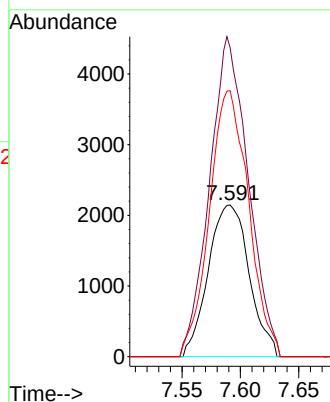
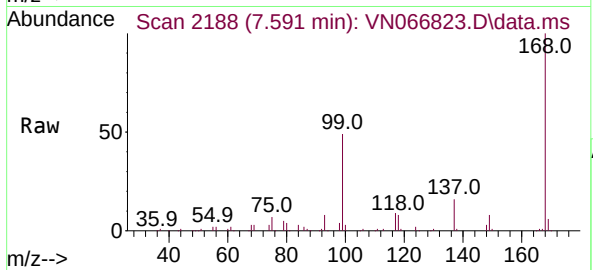




#31
Cyclohexane
Concen: 0.83 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

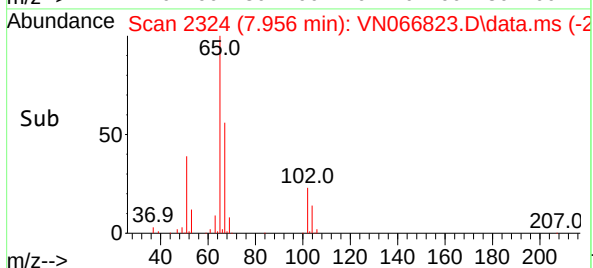
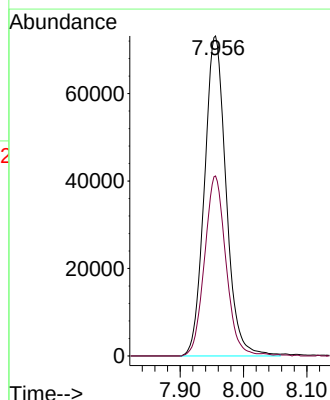
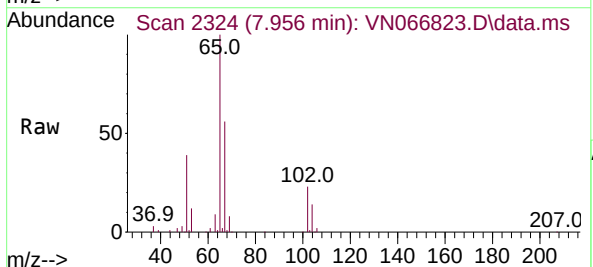
Instrument :
MSVOA_N
ClientSampled :

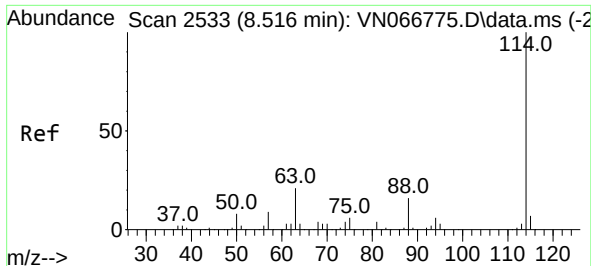
Tgt Ion: 56 Resp: 5228
Ion Ratio Lower Upper
56 100
69 203.8 26.6 39.8#
84 175.4 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 42.62 ug/l
RT: 7.956 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Tgt Ion: 65 Resp: 173491
Ion Ratio Lower Upper
65 100
67 55.4 0.0 107.2

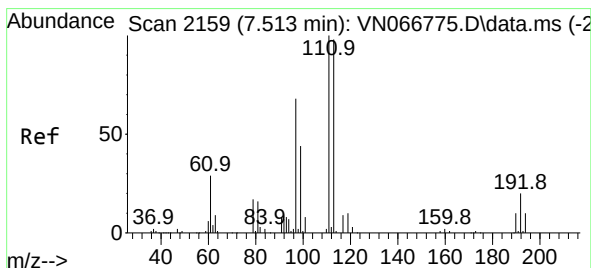
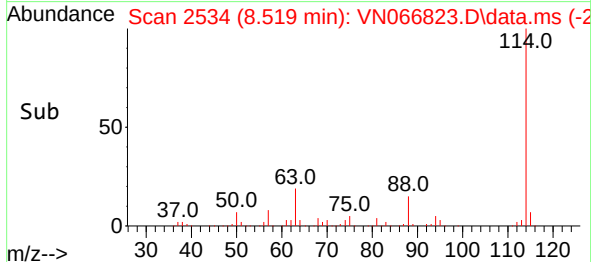
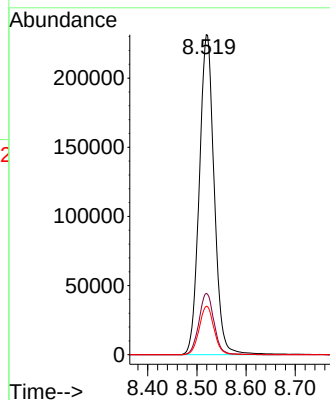
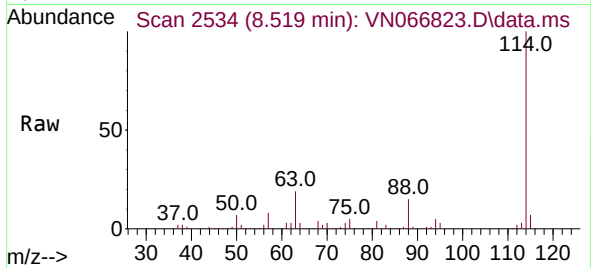




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

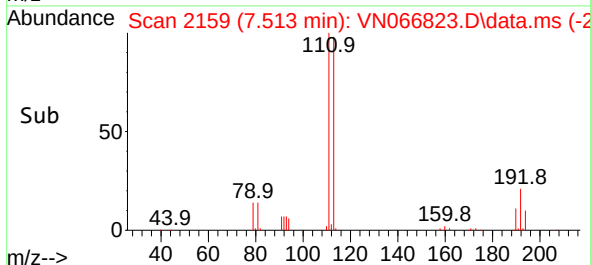
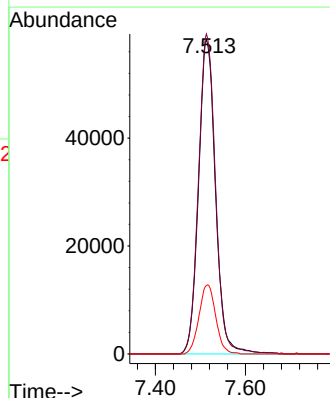
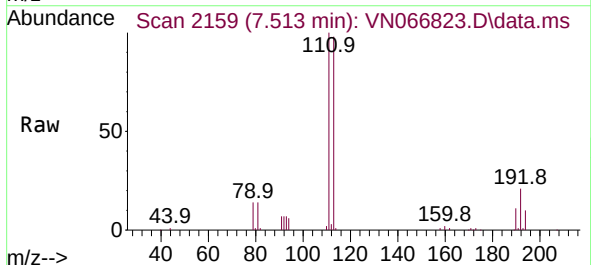
Instrument :
MSVOA_N
ClientSampleId :

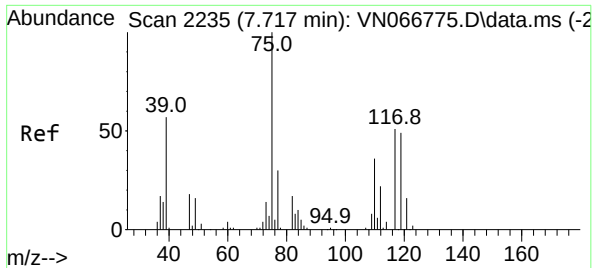
Tgt Ion:114 Resp: 486985
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.6
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.75 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Tgt Ion:113 Resp: 152545
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 21.7 15.4 23.0

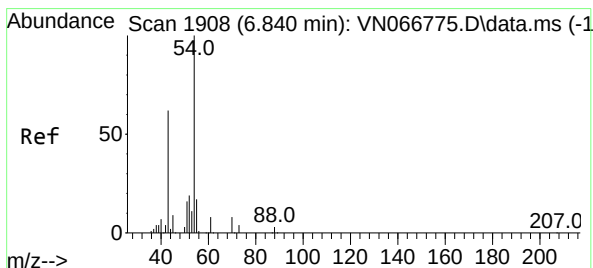
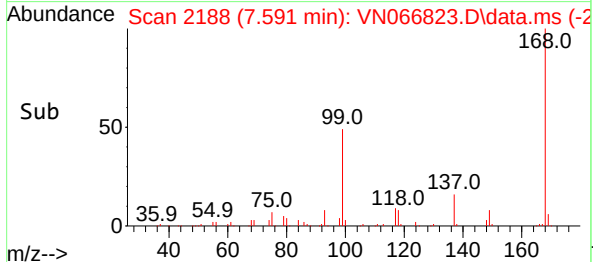
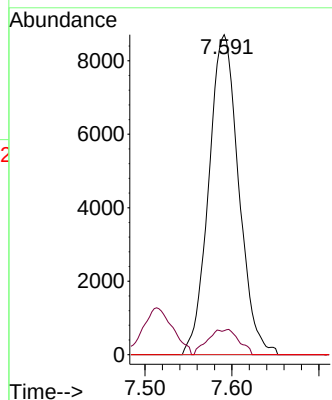
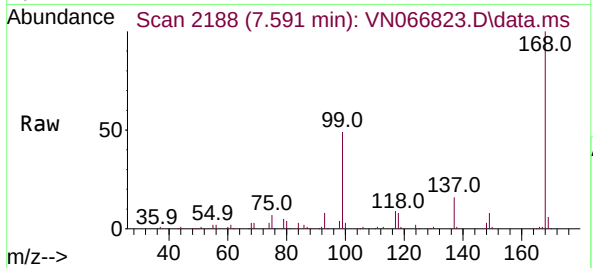




#36
1,1-Dichloropropene
Concen: 4.62 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

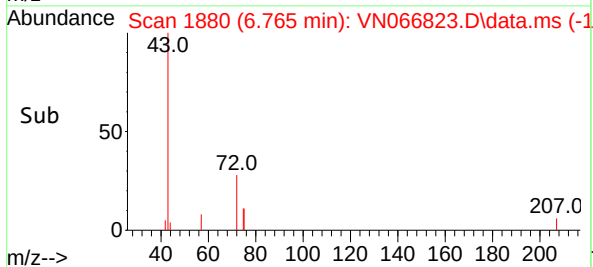
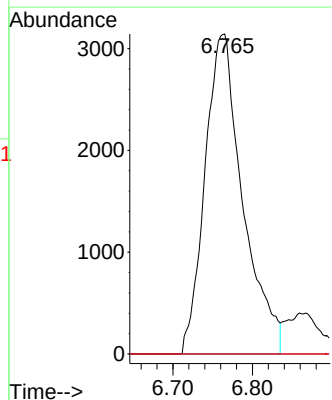
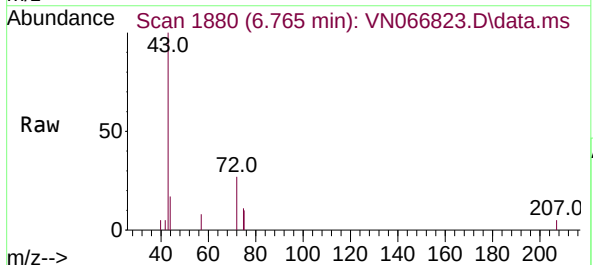
Instrument :
MSVOA_N
ClientSampleId :

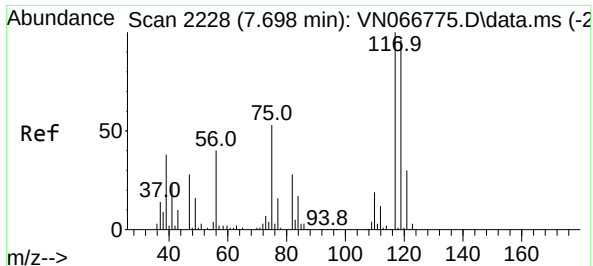
Tgt Ion: 75 Resp: 20887
Ion Ratio Lower Upper
75 100
110 4.0 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 2.16 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. -0.075 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

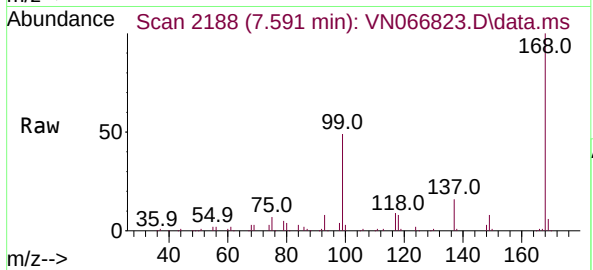
Tgt Ion: 43 Resp: 10388
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



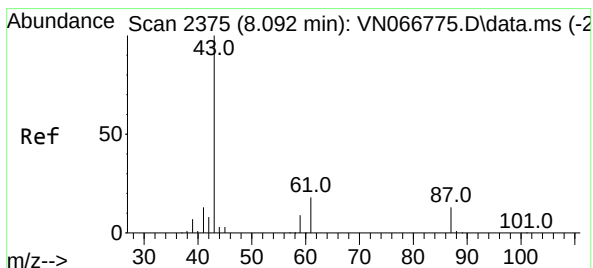
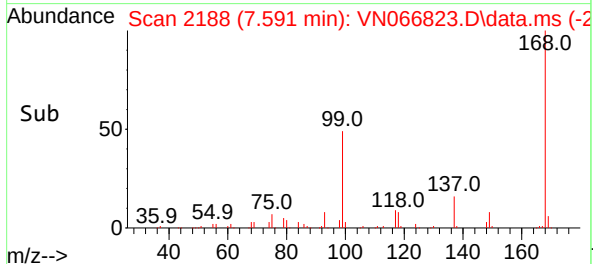
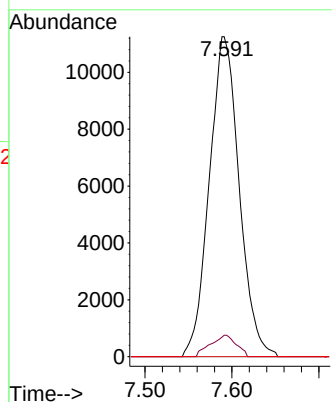


#38
Carbon Tetrachloride
Concen: 6.20 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Instrument :
MSVOA_N
ClientSampled :

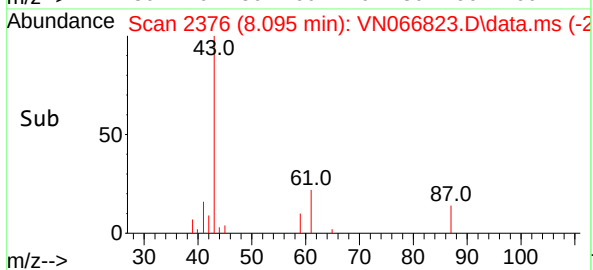
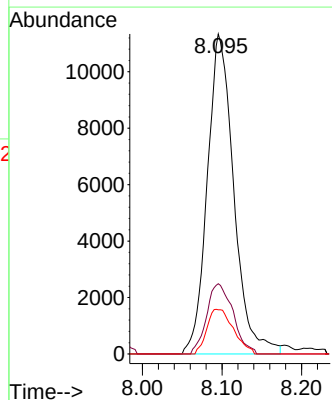
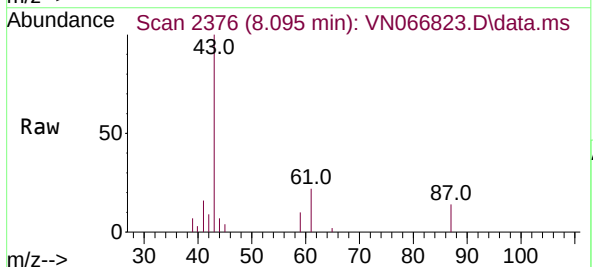


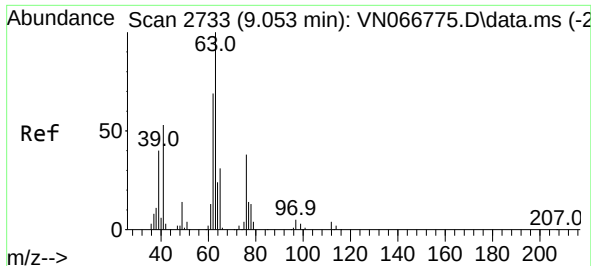
Tgt Ion:117 Resp: 26898
Ion Ratio Lower Upper
117 100
119 6.7 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.44 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Tgt Ion: 43 Resp: 26269
Ion Ratio Lower Upper
43 100
61 21.8 22.5 33.7#
87 14.0 11.1 16.7

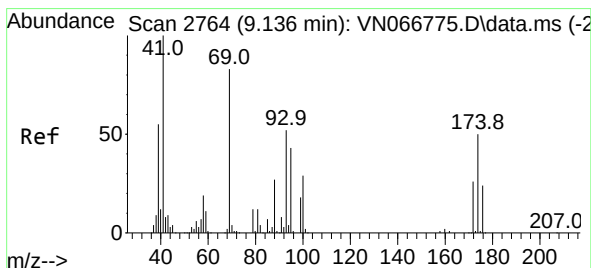
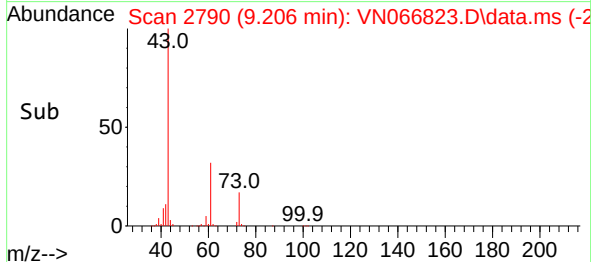
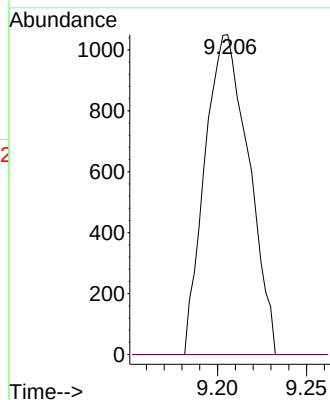
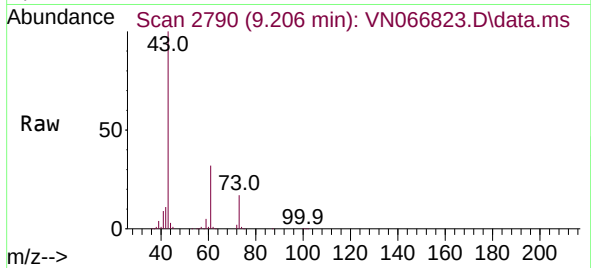




#45
1,2-Dichloropropane
Concen: 0.48 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.153 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

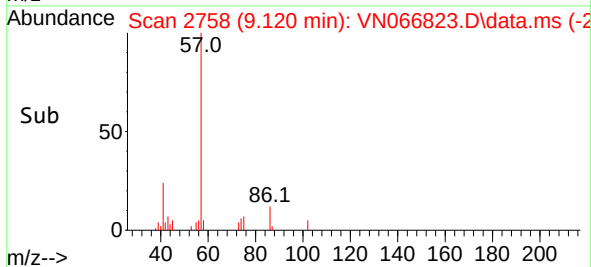
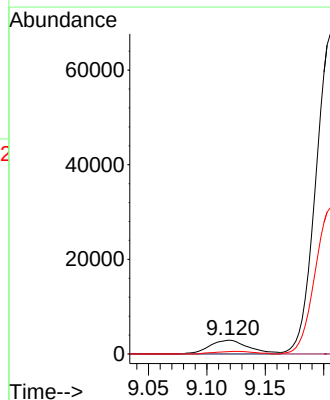
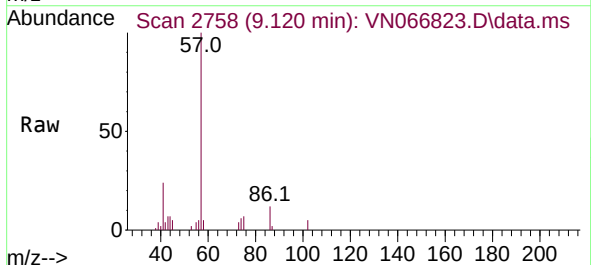
Instrument :
MSVOA_N
ClientSampled :

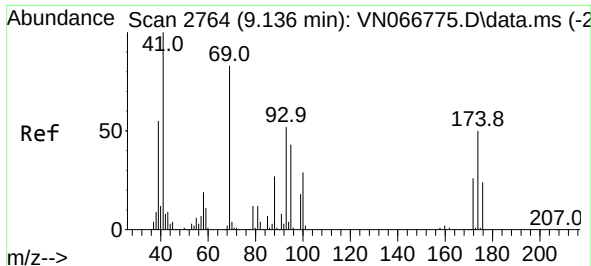
Tgt Ion: 63 Resp: 1797
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.03 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Tgt Ion: 41 Resp: 6764
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#





#49

1,4-Dioxane

Concen: 1.12 ug/l

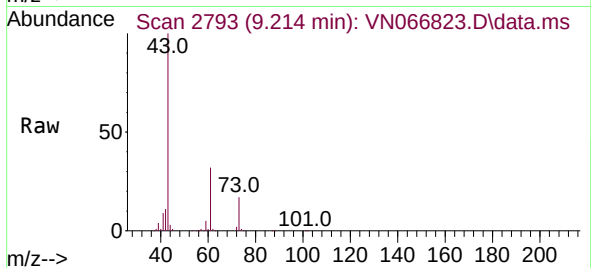
RT: 9.214 min Scan# 2793

Delta R.T. 0.078 min

Lab File: VN066823.D

Acq: 28 Apr 2021 19:28

Instrument :
MSVOA_N
ClientSampled :



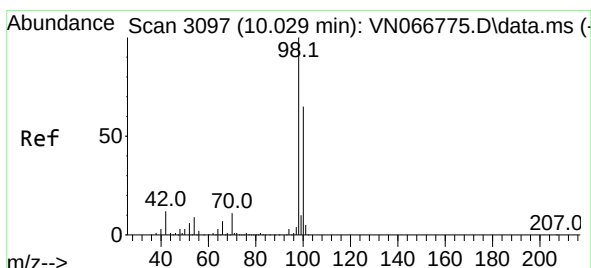
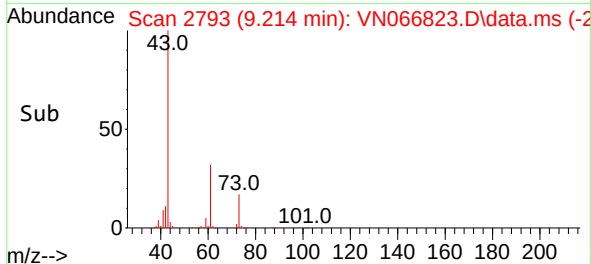
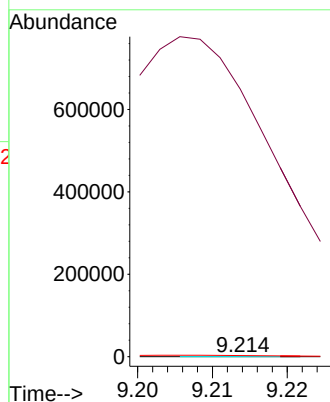
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 2635914.3 24.7 37.1#

58 12575.0 52.6 78.8#



#50

Toluene-d8

Concen: 50.57 ug/l

RT: 10.029 min Scan# 3097

Delta R.T. 0.000 min

Lab File: VN066823.D

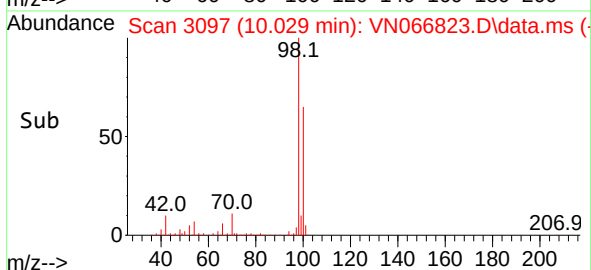
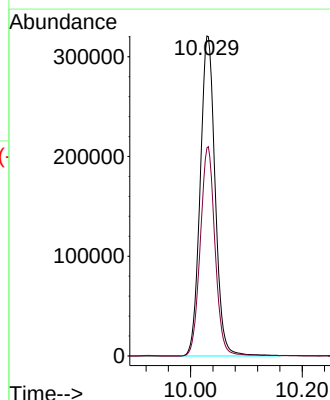
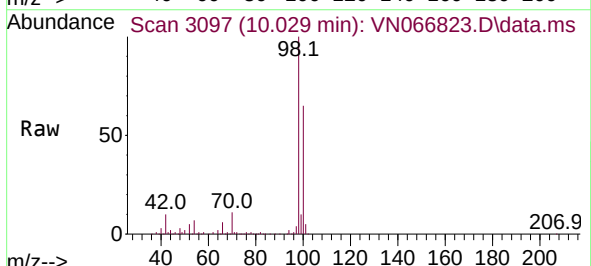
Acq: 28 Apr 2021 19:28

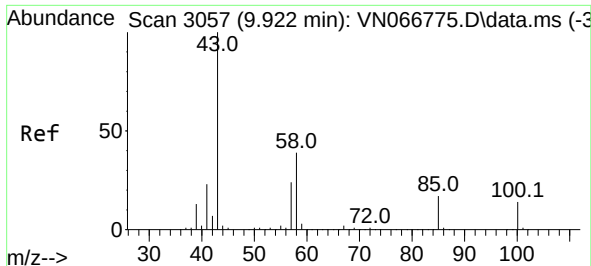
Tgt Ion: 98 Resp: 596754

Ion Ratio Lower Upper

98 100

100 64.3 50.5 75.7

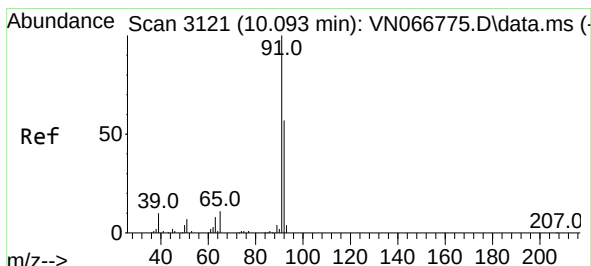
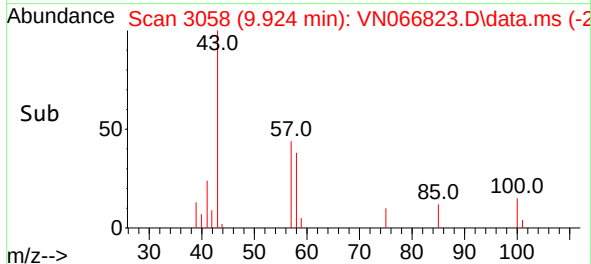
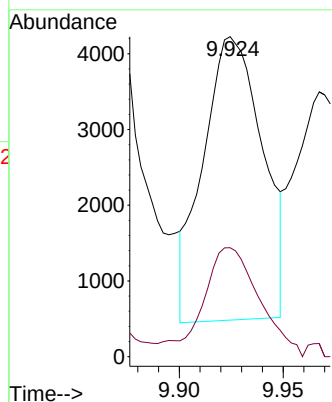
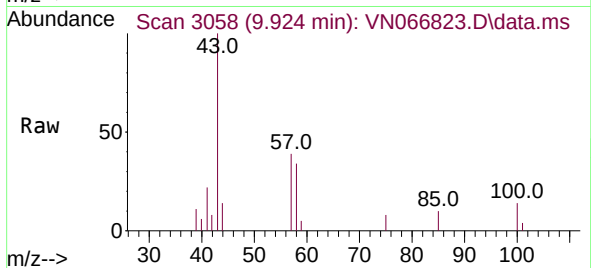




#51
4-Methyl-2-Pentanone
Concen: 1.79 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

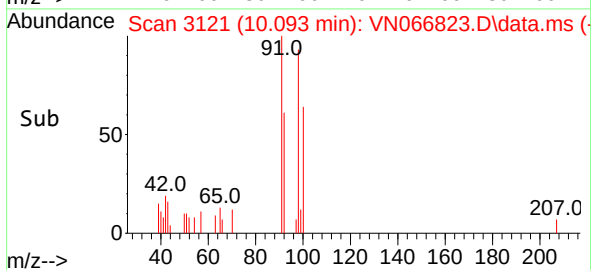
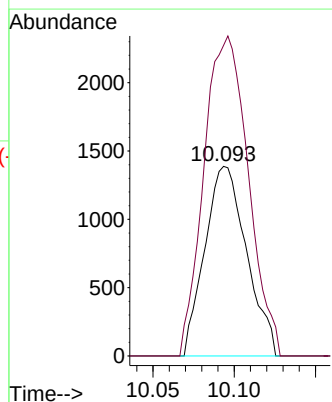
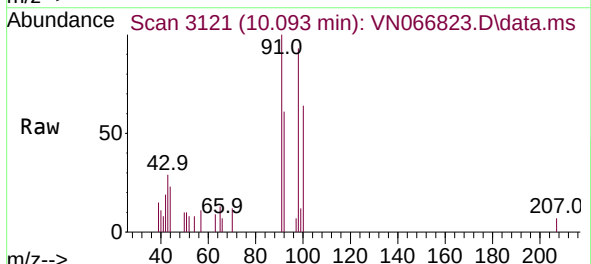
Instrument :
MSVOA_N
ClientSampled :

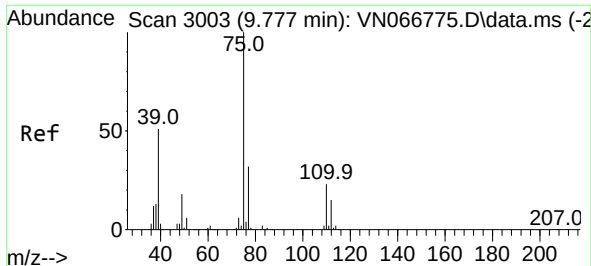
Tgt Ion: 43 Resp: 7445
Ion Ratio Lower Upper
43 100
58 35.0 32.5 48.7



#52
Toluene
Concen: 0.29 ug/l
RT: 10.093 min Scan# 3121
Delta R.T. 0.000 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Tgt Ion: 92 Resp: 2480
Ion Ratio Lower Upper
92 100
91 179.5 140.7 211.1

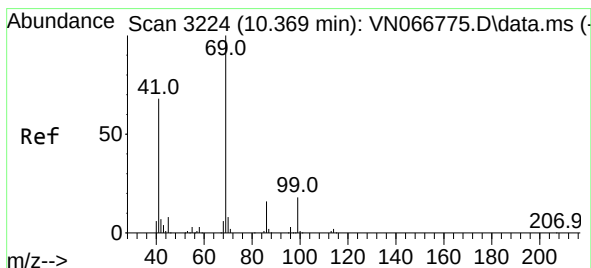
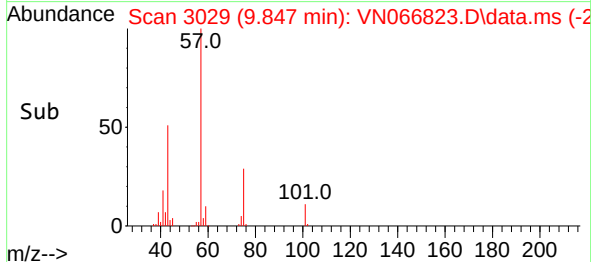
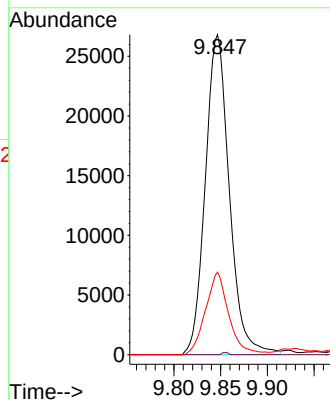
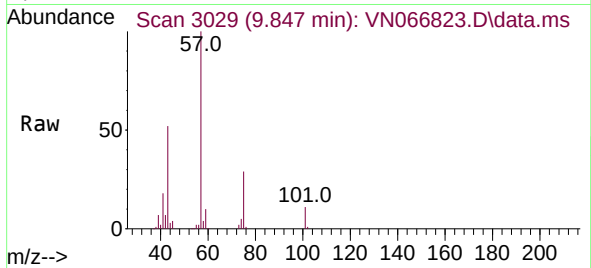




#54
 cis-1,3-Dichloropropene
 Concen: 8.34 ug/l
 RT: 9.847 min Scan# 3029
 Delta R.T. 0.070 min
 Lab File: VN066823.D
 Acq: 28 Apr 2021 19:28

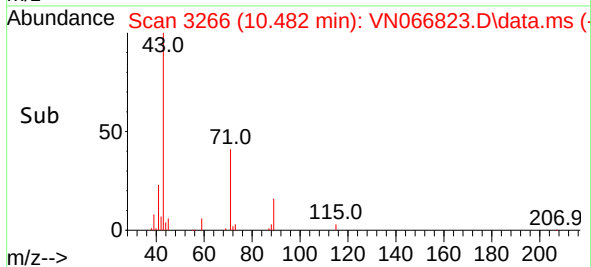
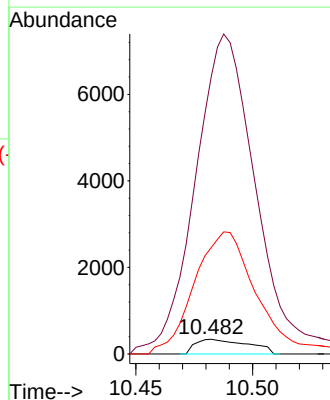
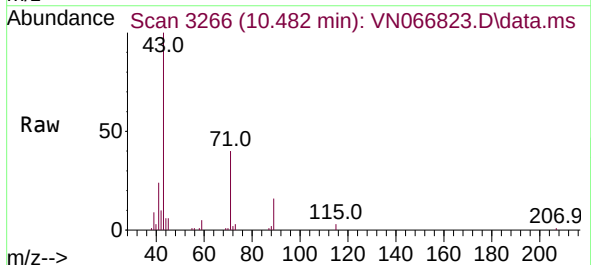
Instrument :
 MSVOA_N
 ClientSampleId :

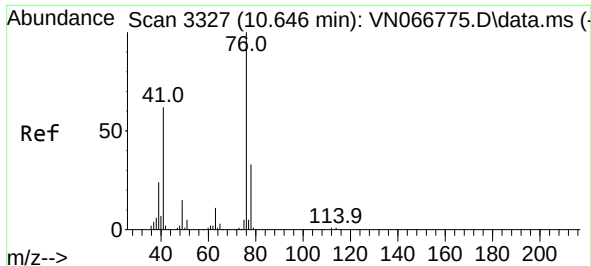
Tgt Ion: 75	Resp: 47992
Ion Ratio	Lower Upper
75 100	
77 0.0	24.9 37.3#
39 25.8	36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 3.26 ug/l
 RT: 10.482 min Scan# 3266
 Delta R.T. 0.113 min
 Lab File: VN066823.D
 Acq: 28 Apr 2021 19:28

Tgt Ion: 69	Resp: 534
Ion Ratio	Lower Upper
69 100	
41 2501.5	49.6 74.4#
39 979.4	28.0 42.0#

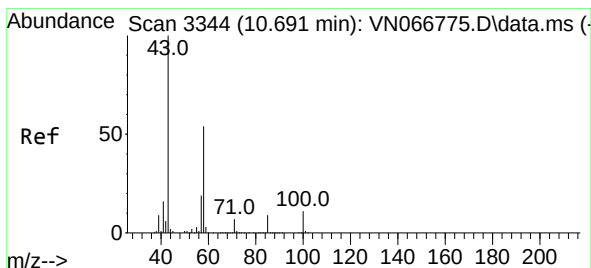
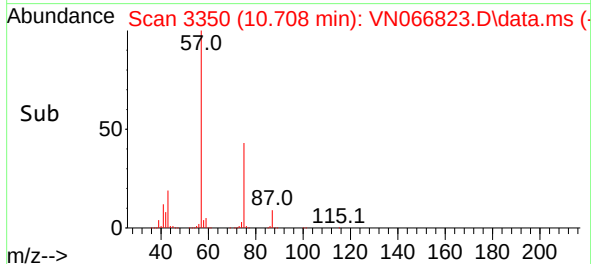
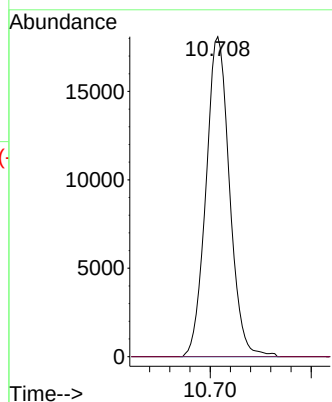
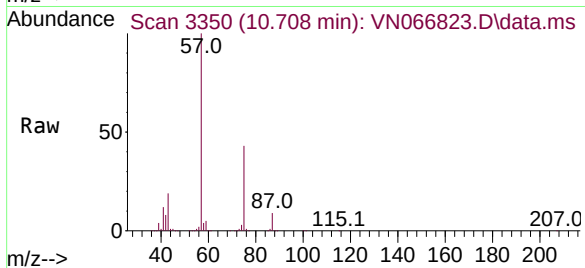




#57
1,3-Dichloropropane
Concen: 5.28 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.062 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

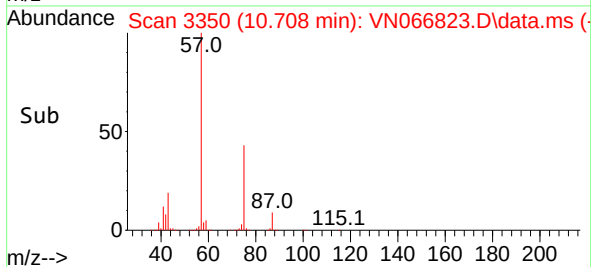
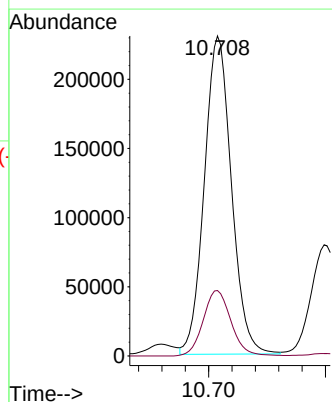
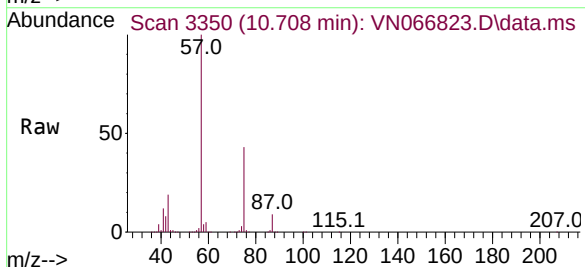
Instrument :
MSVOA_N
ClientSampled :

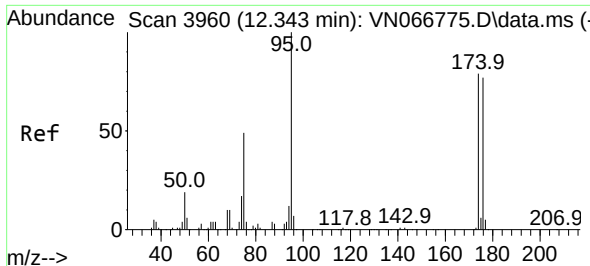
Tgt Ion: 76 Resp: 29324
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 123.95 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.017 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Tgt Ion: 43 Resp: 369933
Ion Ratio Lower Upper
43 100
58 21.2 28.1 84.3#

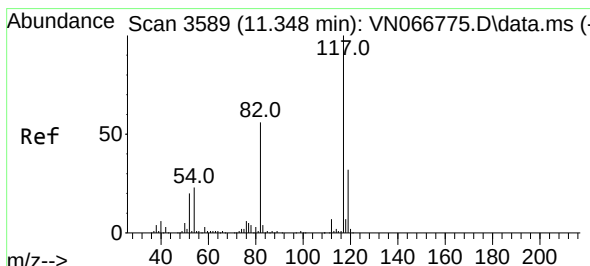
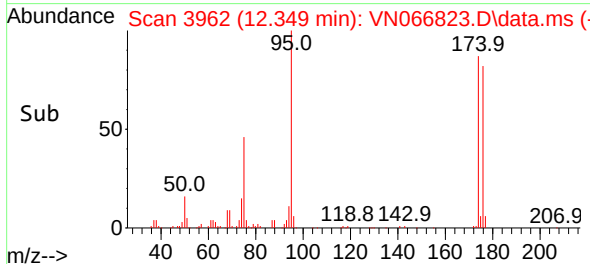
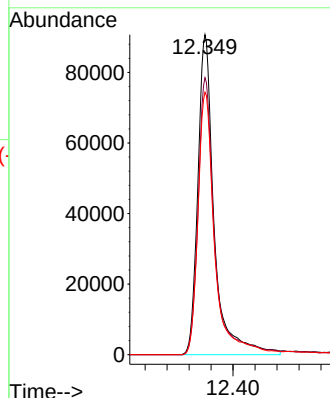
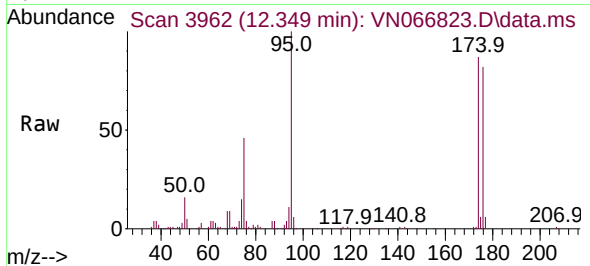




#62
4-Bromofluorobenzene
Concen: 46.79 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

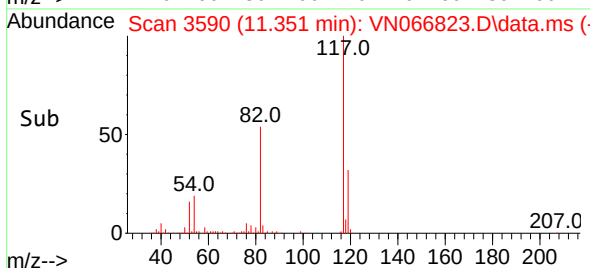
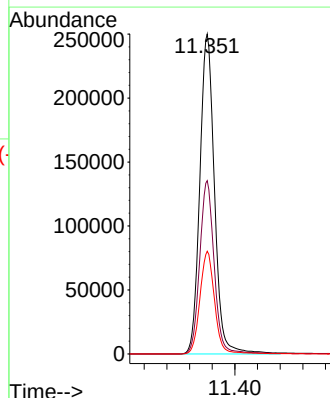
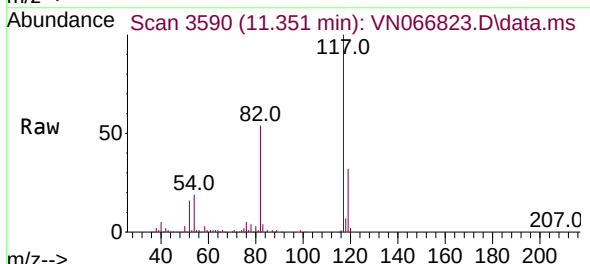
Instrument :
MSVOA_N
ClientSampled :

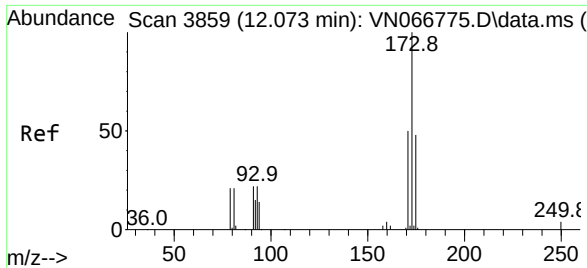
Tgt Ion: 95 Resp: 186793
Ion Ratio Lower Upper
95 100
174 88.2 0.0 169.0
176 83.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

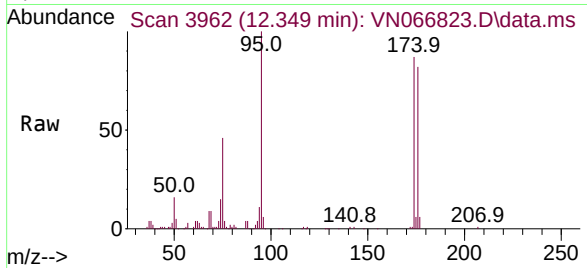
Tgt Ion: 117 Resp: 449194
Ion Ratio Lower Upper
117 100
82 54.1 43.7 65.5
119 32.1 26.1 39.1



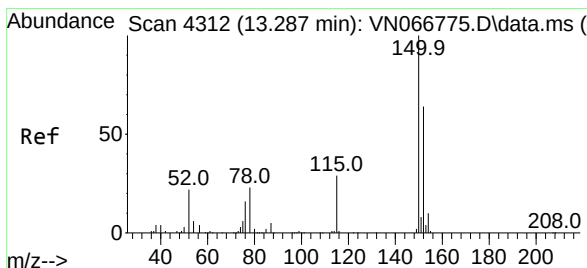
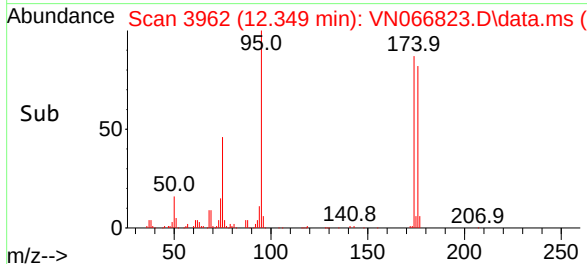
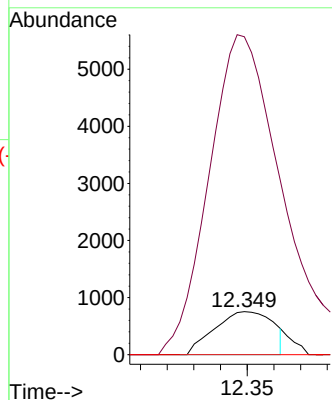


#71
Bromoform
Concen: 0.47 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

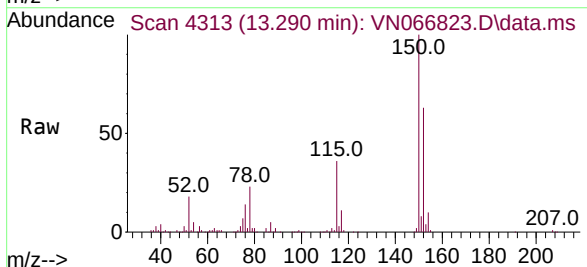
Instrument :
MSVOA_N
ClientSampled :



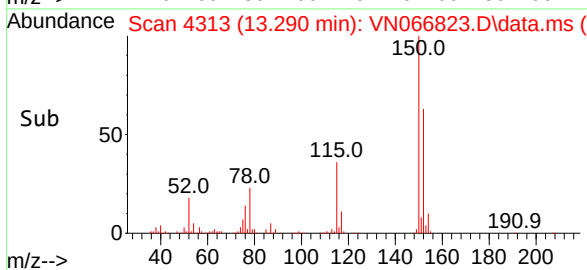
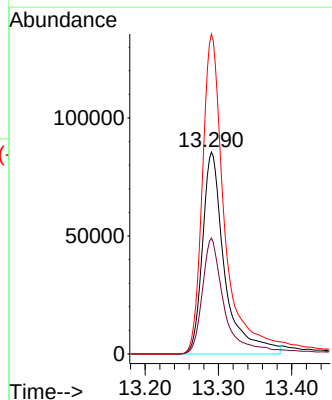
Tgt Ion:173 Resp: 1156
Ion Ratio Lower Upper
173 100
175 768.1 23.8 71.2#
254 0.0 0.0 0.0

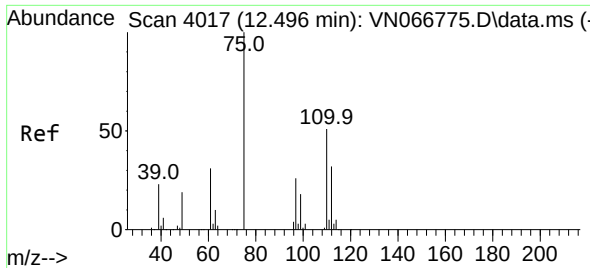


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28



Tgt Ion:152 Resp: 180427
Ion Ratio Lower Upper
152 100
115 58.3 28.5 85.6
150 165.1 0.0 347.6

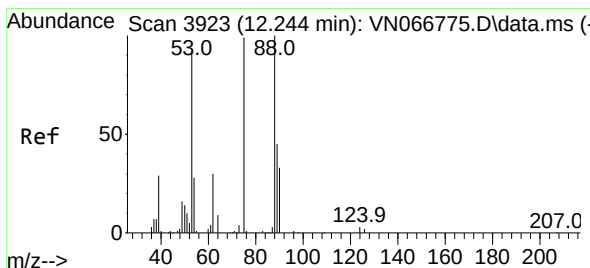
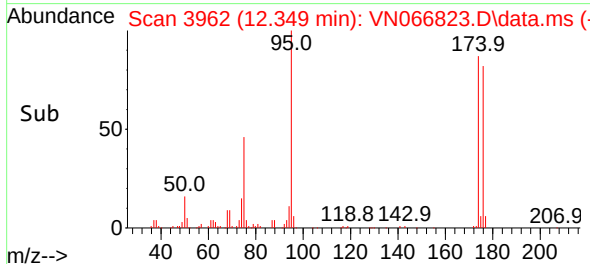
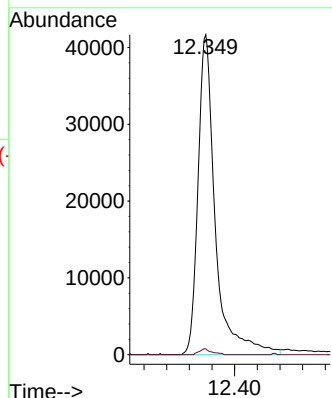
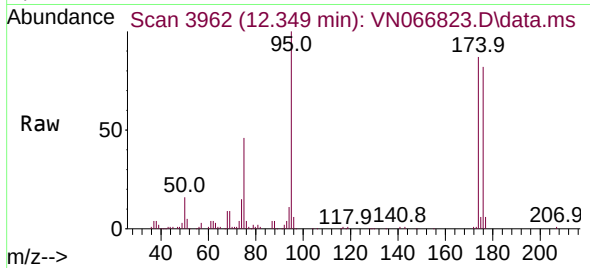




#76
1,2,3-Trichloropropane
Concen: 23.16 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 88091
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.63 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066823.D
Acq: 28 Apr 2021 19:28

Tgt Ion: 75 Resp: 88091
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

