

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
 Data File : VN066894.D
 Acq On : 30 Apr 2021 4:53
 Operator : JC/MD
 Sample : PB136054ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 06:33:44 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)

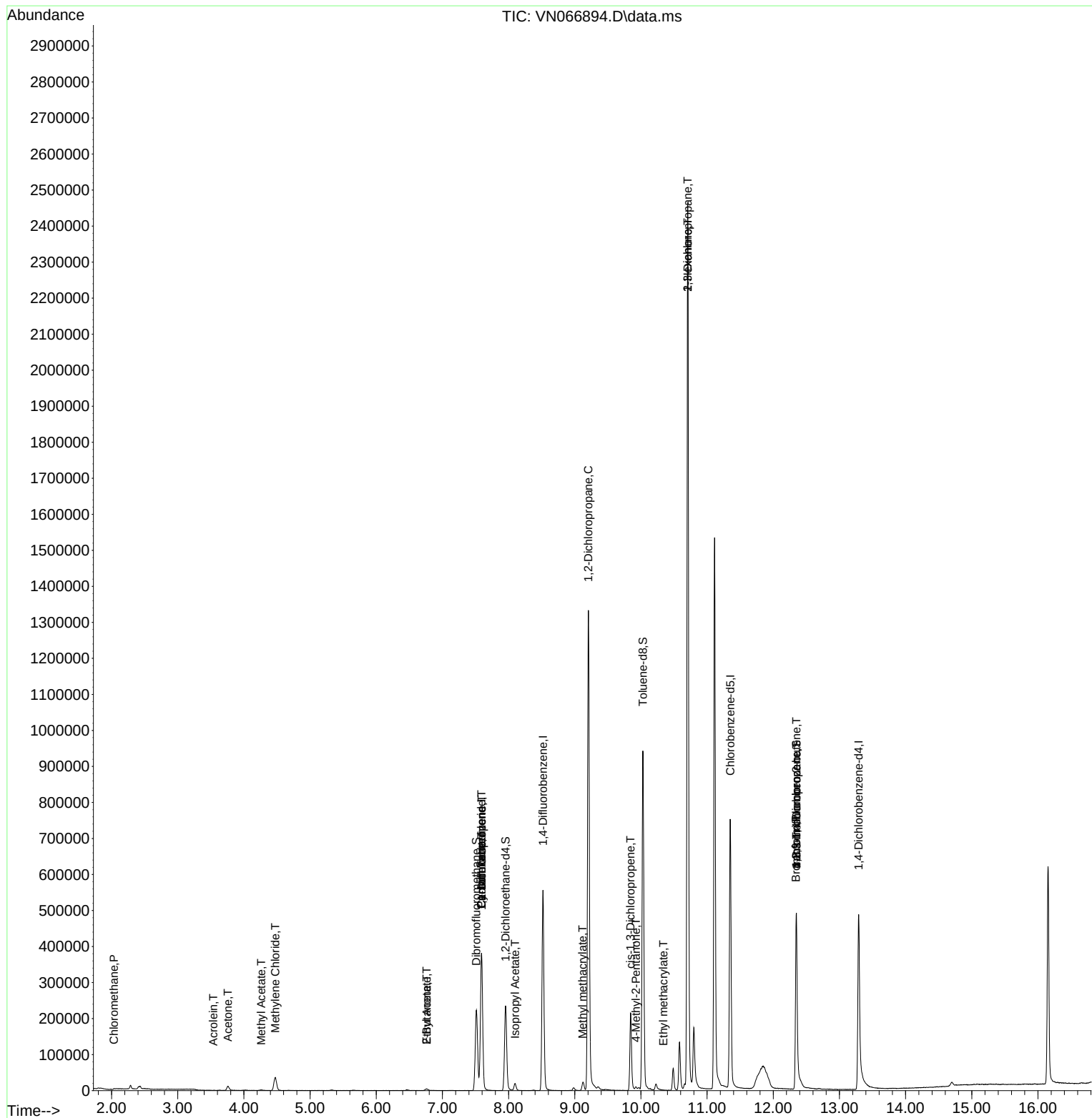
Internal Standards						
1) Pentafluorobenzene	7.591	168	343526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	519465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	481709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	198448	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	198566	44.99	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.98%		
35) Dibromofluoromethane	7.513	113	179161	55.87	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	111.74%		
50) Toluene-d8	10.029	98	690139	54.83	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.66%		
62) 4-Bromofluorobenzene	12.349	95	211970	49.77	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.54%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1057	0.22	ug/l	99
13) Acrolein	3.538	56	495	0.87	ug/l #	75
16) Acetone	3.758	43	19528	11.73	ug/l	94
18) Methyl Acetate	4.263	43	3910	1.96	ug/l #	63
20) Methylene Chloride	4.474	84	28803	6.83	ug/l	98
25) 2-Butanone	6.759	43	8708	3.72	ug/l	100
31) Cyclohexane	7.591	56	5213	0.76	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	21851	4.53	ug/l #	48
37) Ethyl Acetate	6.759	43	8708	1.70	ug/l #	68
38) Carbon Tetrachloride	7.591	117	29324	6.34	ug/l #	17
43) Isopropyl Acetate	8.098	43	24168	2.97	ug/l #	91
45) 1,2-Dichloropropane	9.203	63	1700	0.43	ug/l #	44
48) Methyl methacrylate	9.117	41	5852	1.65	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	5774	1.30	ug/l	91
54) cis-1,3-Dichloropropene	9.844	75	43853	7.15	ug/l #	58
56) Ethyl methacrylate	10.340	69	81	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.707	76	26258	4.43	ug/l #	43
59) 2-Hexanone	10.707	43	329047	106.61	ug/l #	52
71) Bromoform	12.343	173	1254	0.48	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	96584	23.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	96584	62.45	ug/l #	12

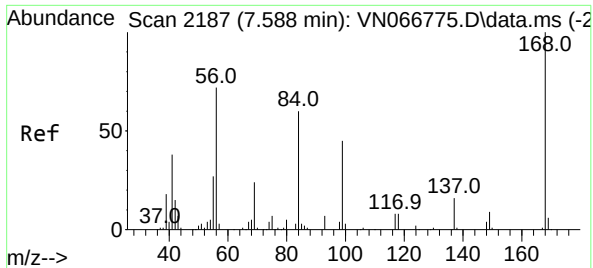
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

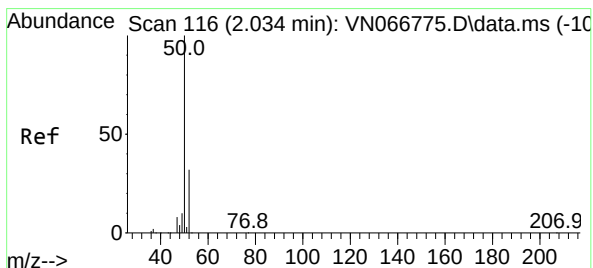
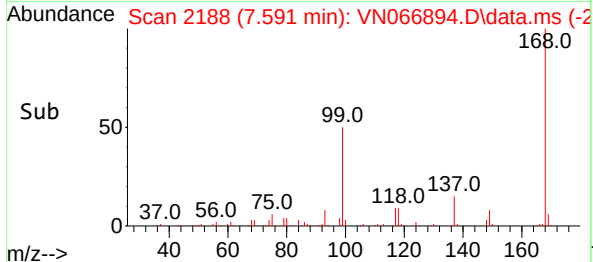
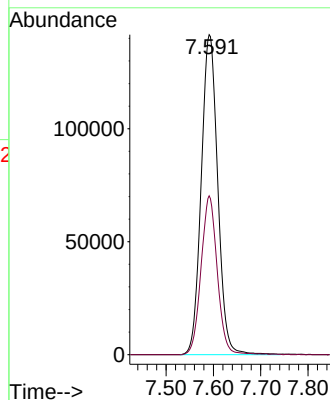
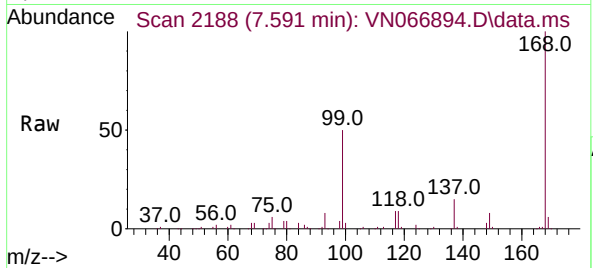




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

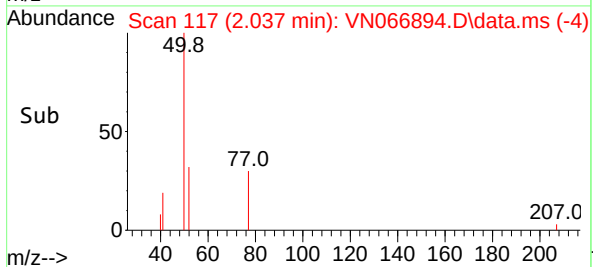
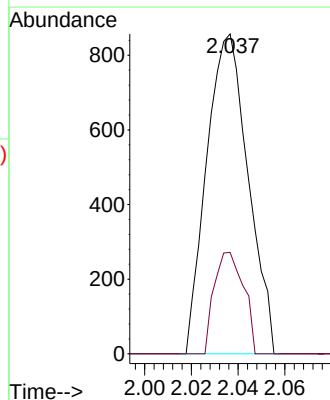
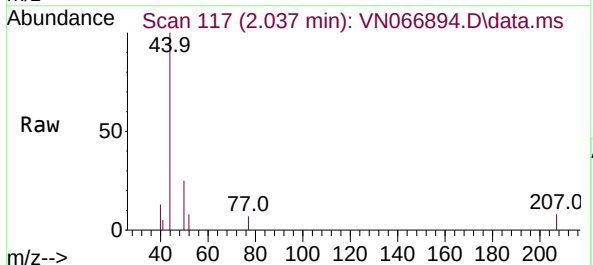
Instrument :
MSVOA_N
ClientSampled :

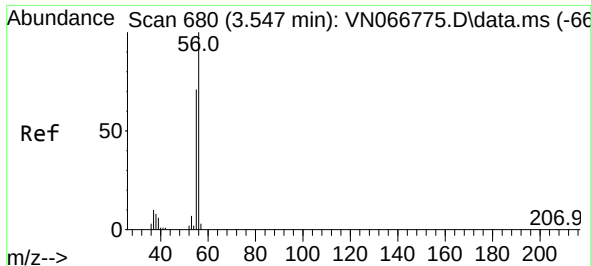
Tgt Ion:168 Resp: 343526
Ion Ratio Lower Upper
168 100
99 49.6 42.6 63.8



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

Tgt Ion: 50 Resp: 1057
Ion Ratio Lower Upper
50 100
52 31.7 25.8 38.8

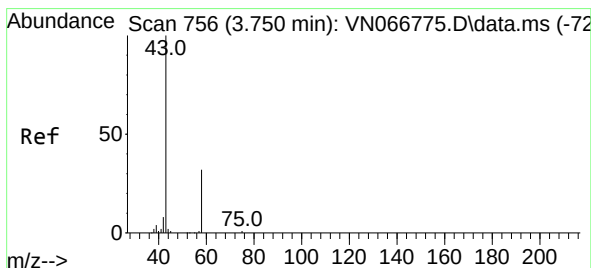
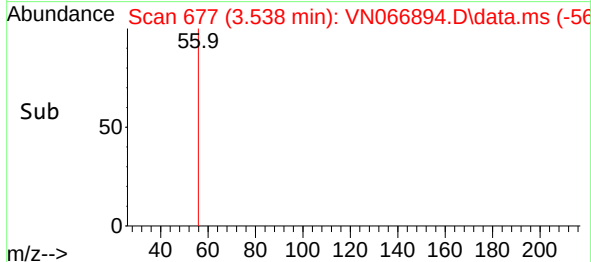
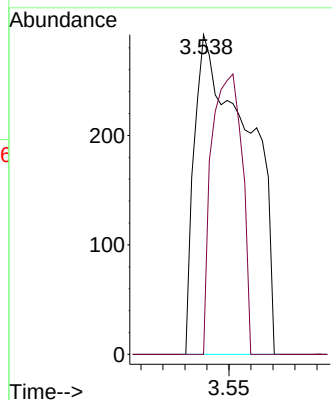
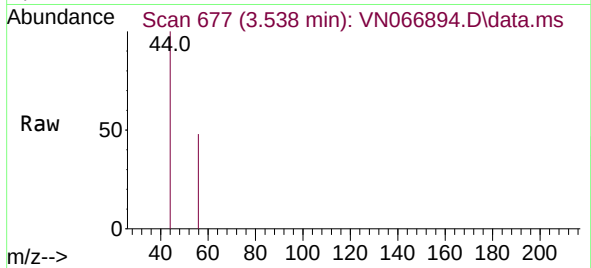




#13
Acrolein
Concen: 0.87 ug/l
RT: 3.538 min Scan# 677
Delta R.T. -0.009 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

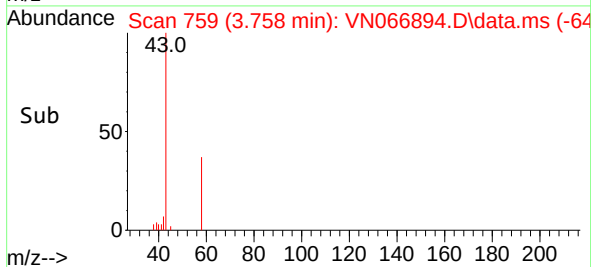
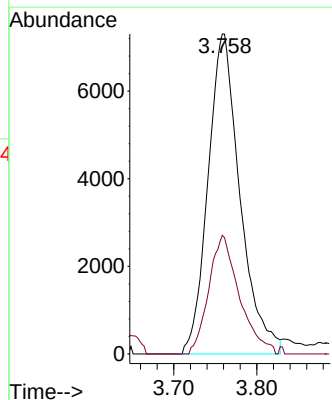
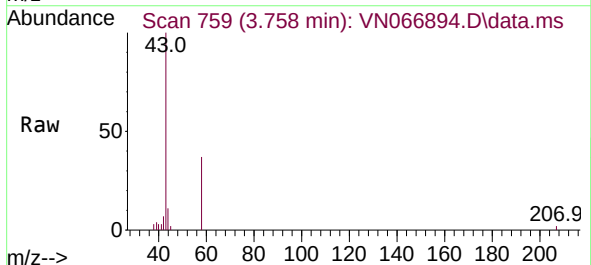
Instrument :
MSVOA_N
ClientSampled :

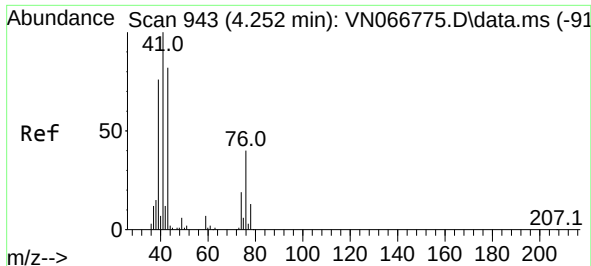
Tgt Ion: 56 Resp: 495
Ion Ratio Lower Upper
56 100
55 49.3 56.0 84.0#



#16
Acetone
Concen: 11.73 ug/l
RT: 3.758 min Scan# 759
Delta R.T. 0.008 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

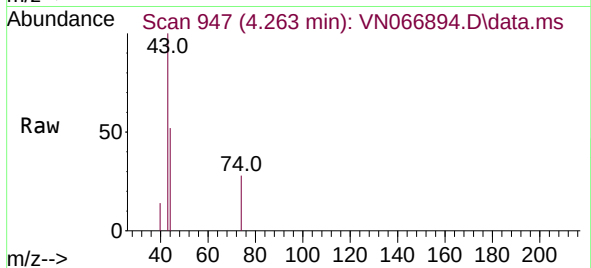
Tgt Ion: 43 Resp: 19528
Ion Ratio Lower Upper
43 100
58 37.1 27.0 40.6



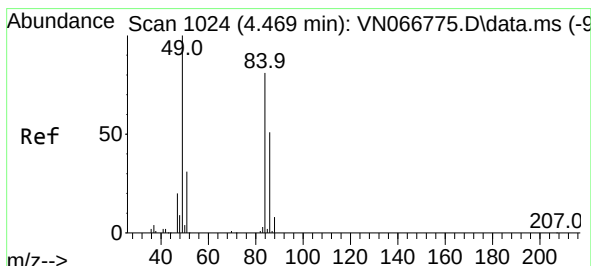
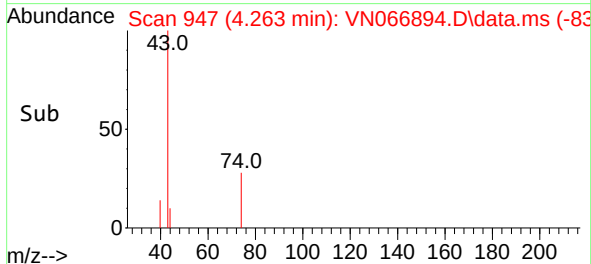
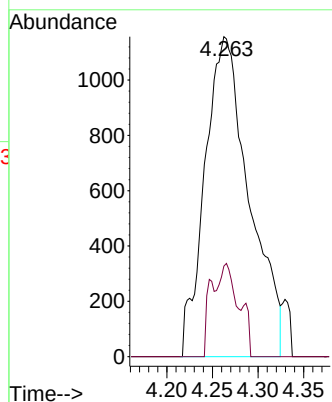


#18
Methyl Acetate
Concen: 1.96 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.011 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

Instrument :
MSVOA_N
ClientSampled :

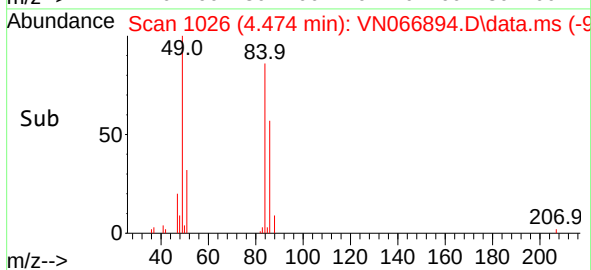
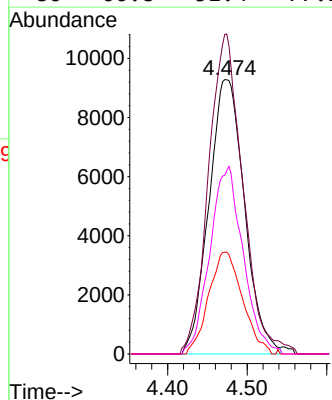
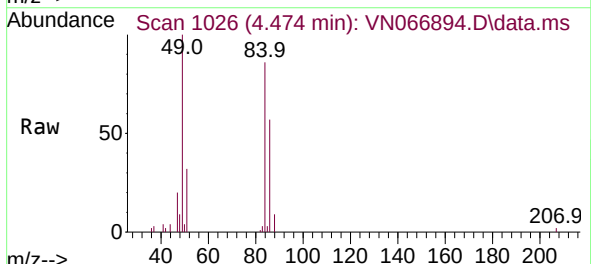


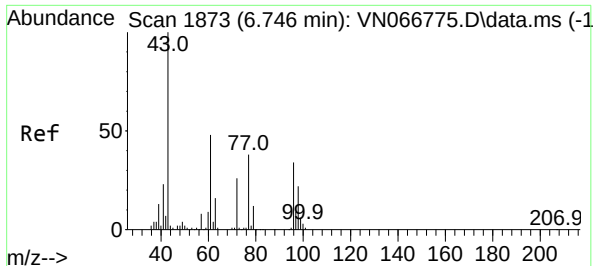
Tgt Ion: 43 Resp: 3910
Ion Ratio Lower Upper
43 100
74 5.8 19.5 29.3#



#20
Methylene Chloride
Concen: 6.83 ug/l
RT: 4.474 min Scan# 1026
Delta R.T. 0.005 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

Tgt Ion: 84 Resp: 28803
Ion Ratio Lower Upper
84 100
49 116.7 94.6 141.8
51 37.1 29.9 44.9
86 66.8 51.4 77.2

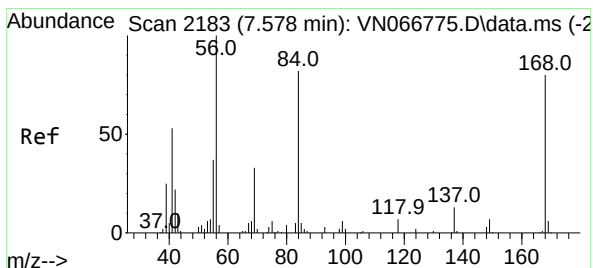
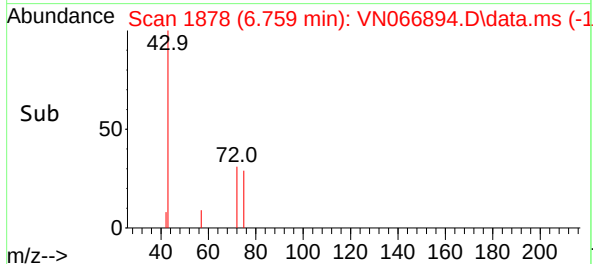
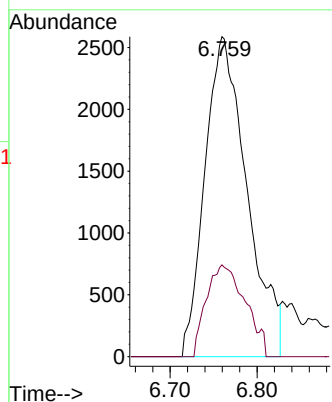
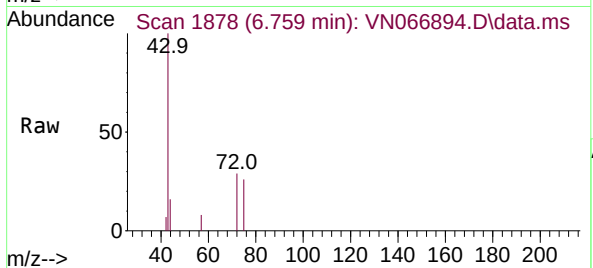




#25
2-Butanone
Concen: 3.72 ug/l
RT: 6.759 min Scan# 1878
Delta R.T. 0.013 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

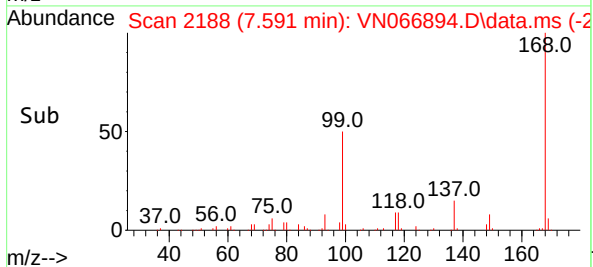
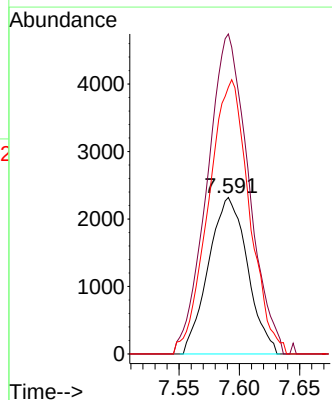
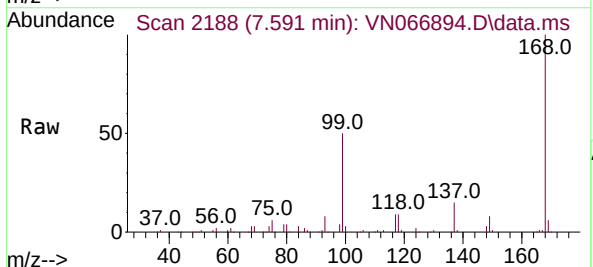
Instrument :
MSVOA_N
ClientSampled :

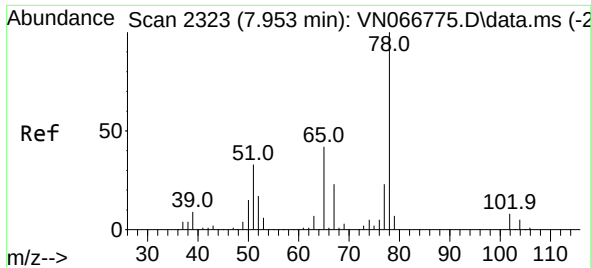
Tgt Ion: 43 Resp: 8708
Ion Ratio Lower Upper
43 100
72 28.7 23.1 34.7



#31
Cyclohexane
Concen: 0.76 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

Tgt Ion: 56 Resp: 5213
Ion Ratio Lower Upper
56 100
69 195.3 26.6 39.8#
84 163.4 70.4 105.6#

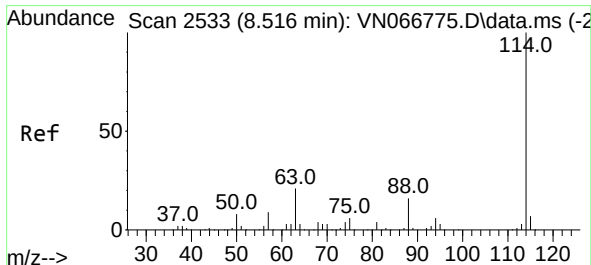
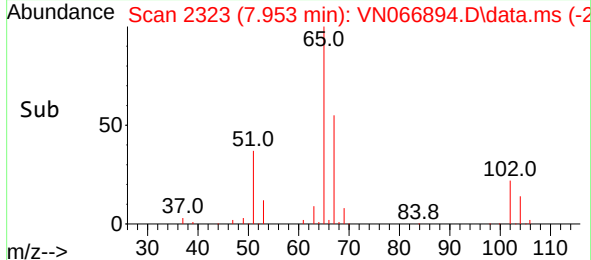
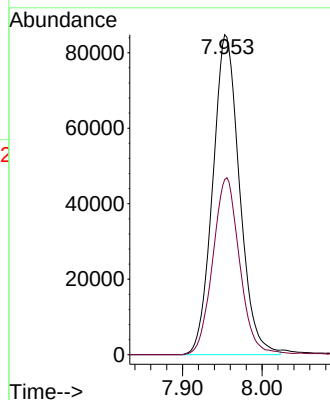
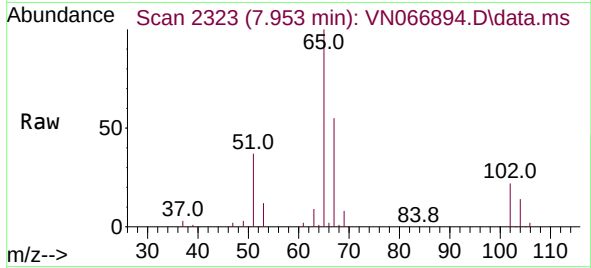




#33
 1,2-Dichloroethane-d4
 Concen: 44.99 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. -0.000 min
 Lab File: VN066894.D
 Acq: 30 Apr 2021 4:53

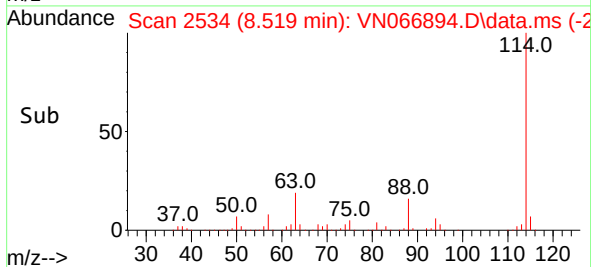
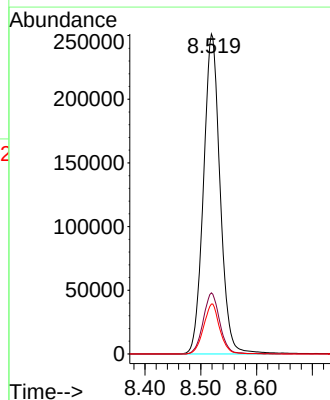
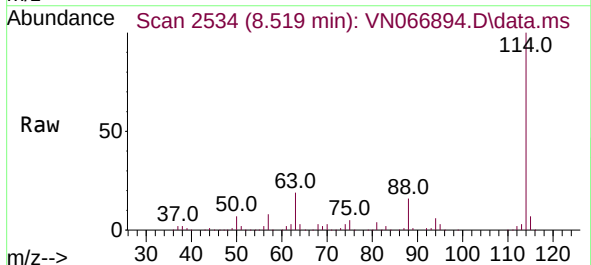
Instrument :
 MSVOA_N
 ClientSampled :

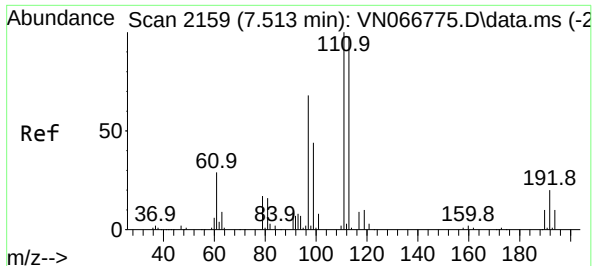
Tgt Ion: 65 Resp: 198566
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066894.D
 Acq: 30 Apr 2021 4:53

Tgt Ion: 114 Resp: 519465
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.87 ug/l

RT: 7.513 min Scan# 2159

Delta R.T. 0.000 min

Lab File: VN066894.D

Acq: 30 Apr 2021 4:53

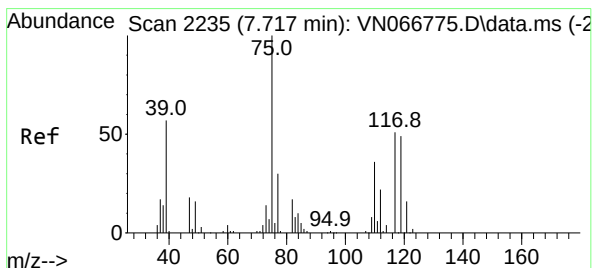
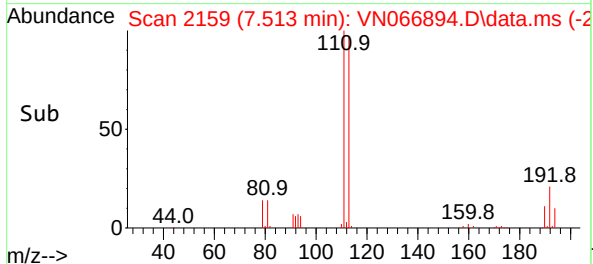
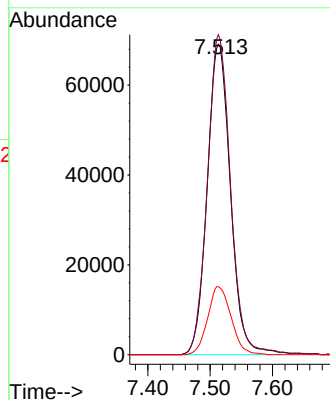
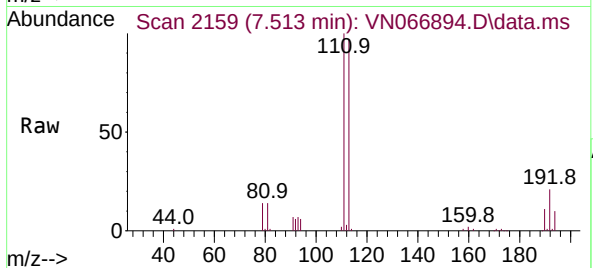
Tgt Ion:113 Resp: 179161

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 22.1 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.53 ug/l

RT: 7.594 min Scan# 2189

Delta R.T. -0.123 min

Lab File: VN066894.D

Acq: 30 Apr 2021 4:53

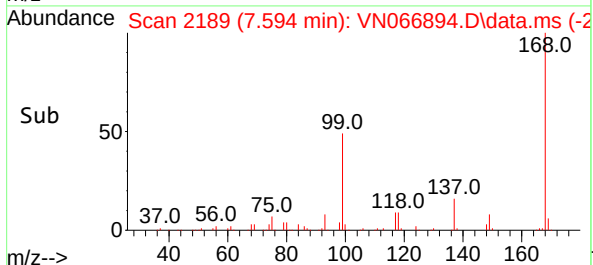
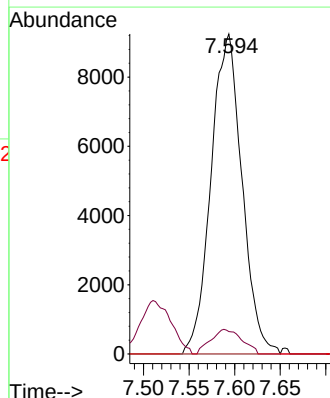
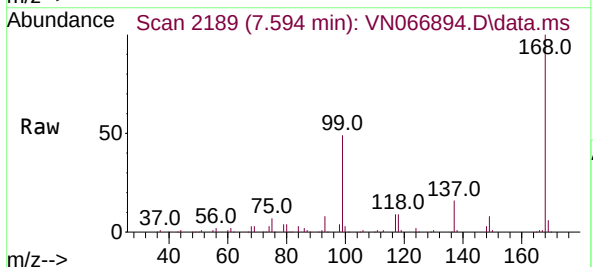
Tgt Ion: 75 Resp: 21851

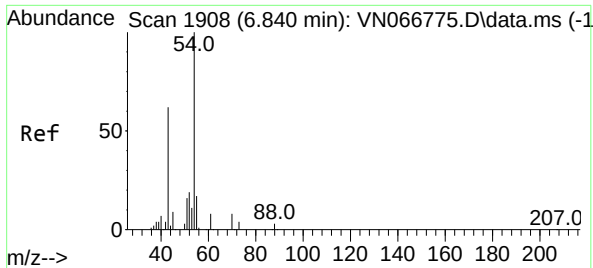
Ion Ratio Lower Upper

75 100

110 7.7 18.2 54.6#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.70 ug/l

RT: 6.759 min Scan# 1878

Delta R.T. -0.081 min

Lab File: VN066894.D

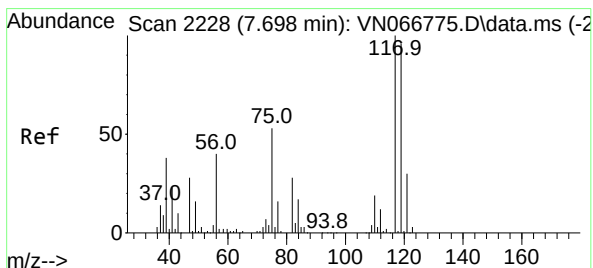
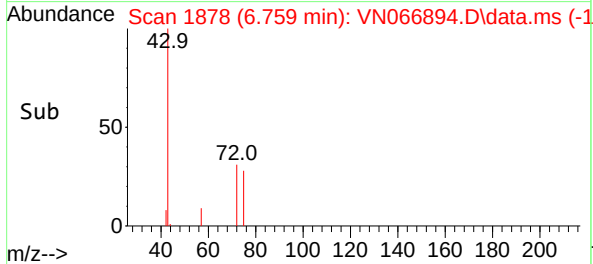
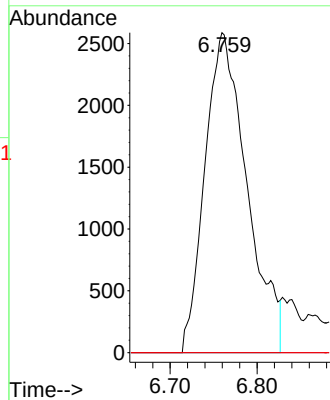
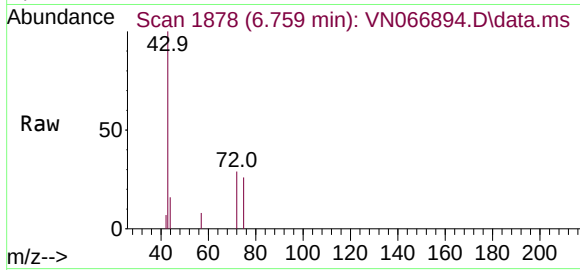
Acq: 30 Apr 2021 4:53

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	8708
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.34 ug/l

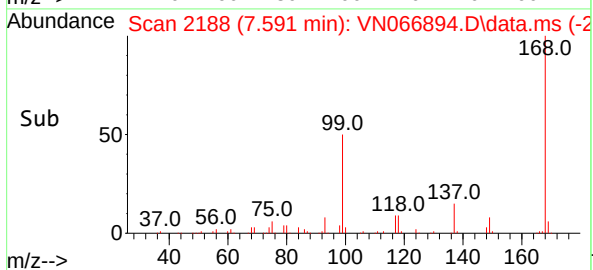
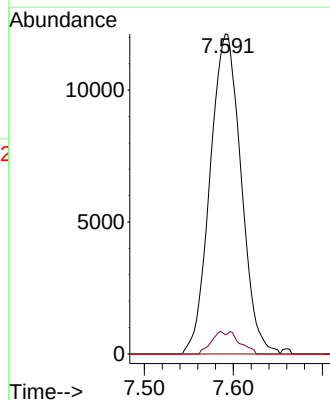
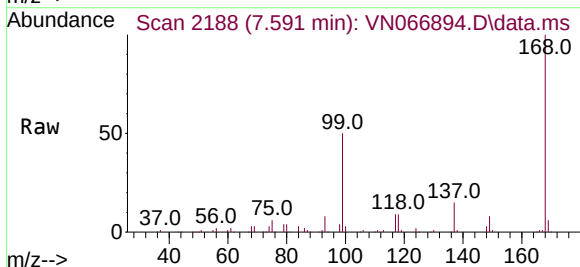
RT: 7.591 min Scan# 2188

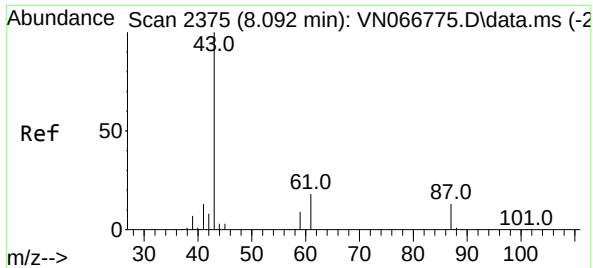
Delta R.T. -0.107 min

Lab File: VN066894.D

Acq: 30 Apr 2021 4:53

Tgt Ion:	117	Resp:	29324
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.0	114.0#
121	0.0	24.5	36.7#

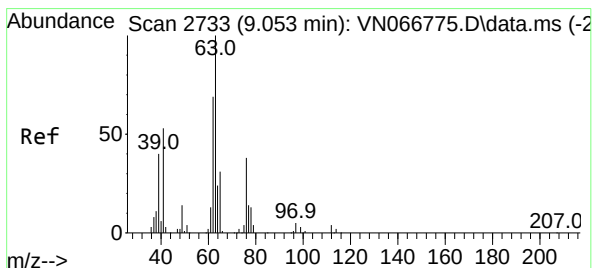
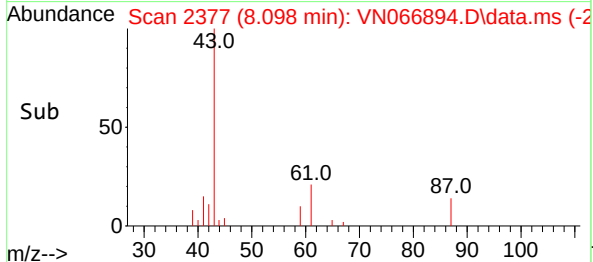
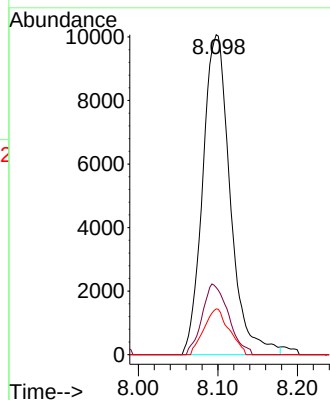
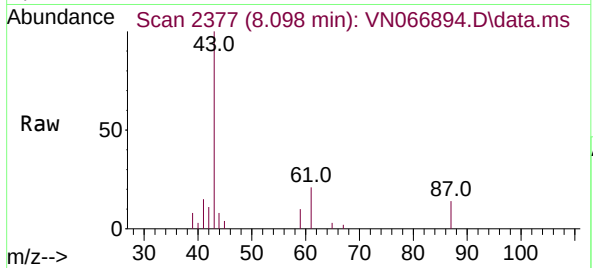




#43
Isopropyl Acetate
Concen: 2.97 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.006 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

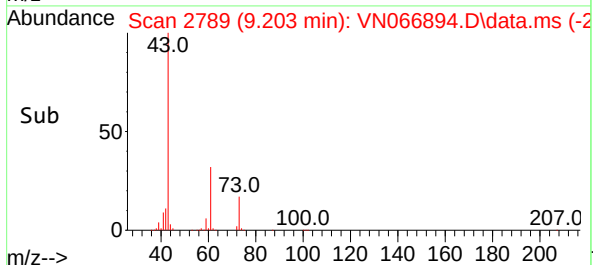
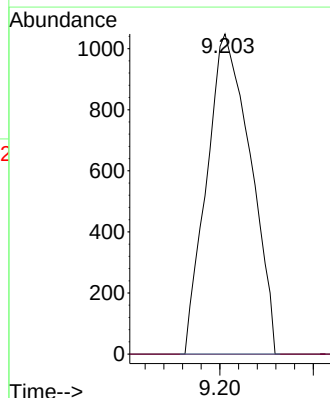
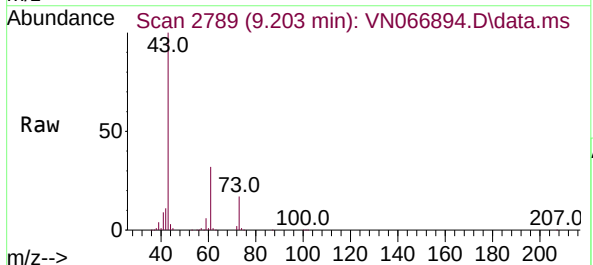
Instrument :
MSVOA_N
ClientSampled :

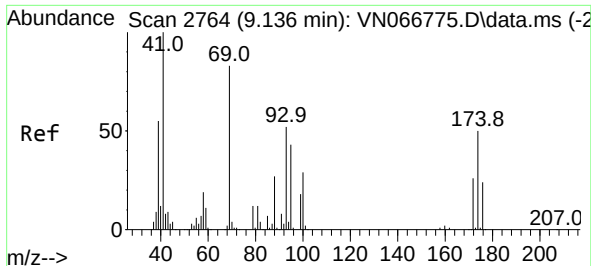
Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.2	22.5	33.7#
87	13.1	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.43 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

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

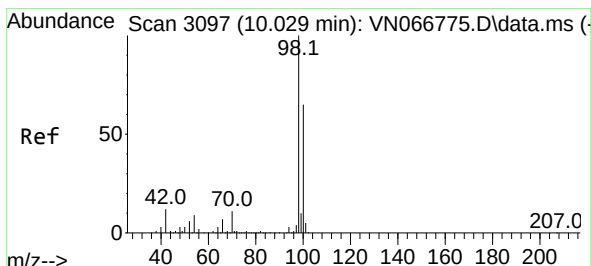
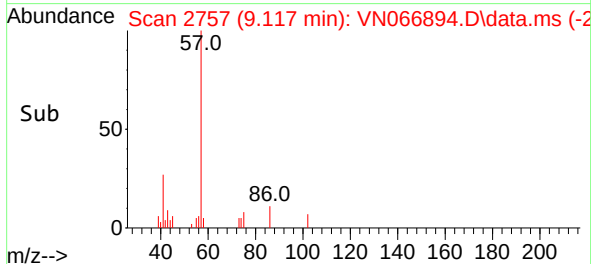
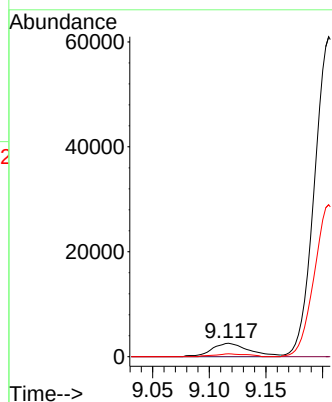
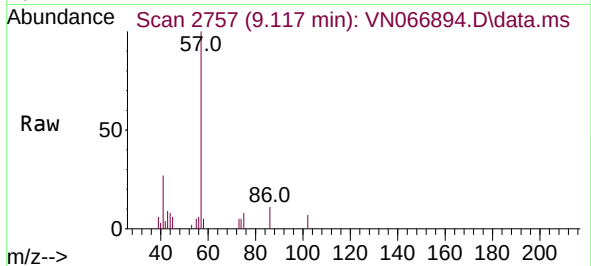




#48
Methyl methacrylate
Concen: 1.65 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

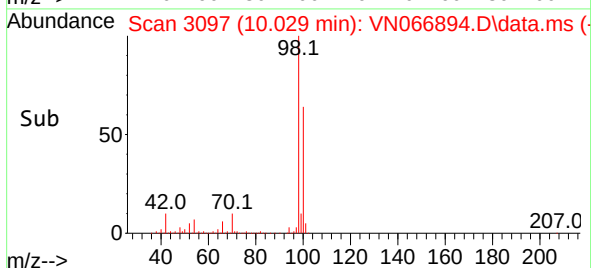
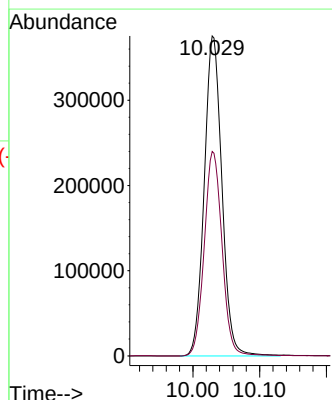
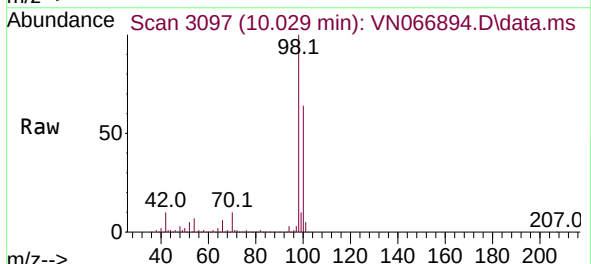
Instrument :
MSVOA_N
ClientSampled :

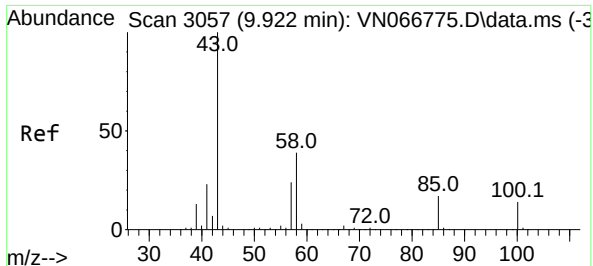
Tgt Ion: 41 Resp: 5852
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 54.83 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

Tgt Ion: 98 Resp: 690139
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7

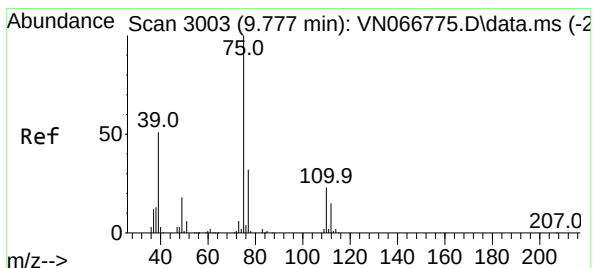
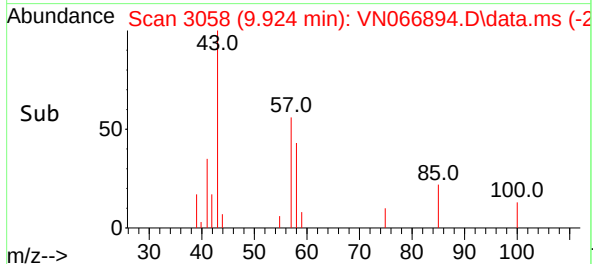
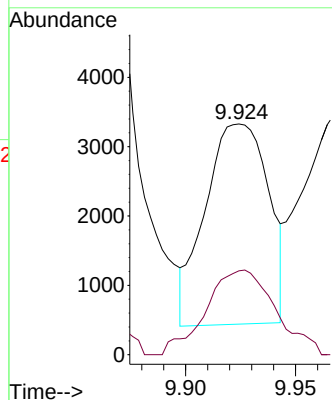
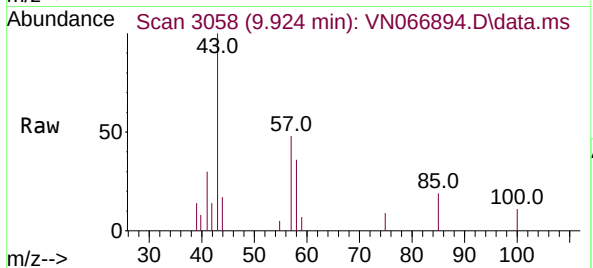




#51
4-Methyl-2-Pentanone
Concen: 1.30 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

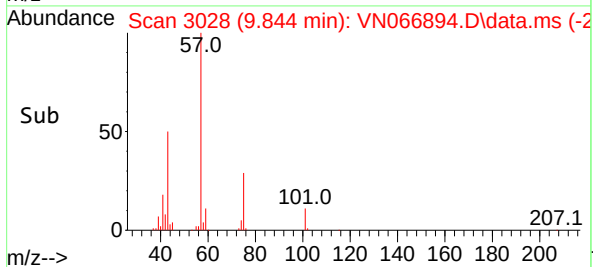
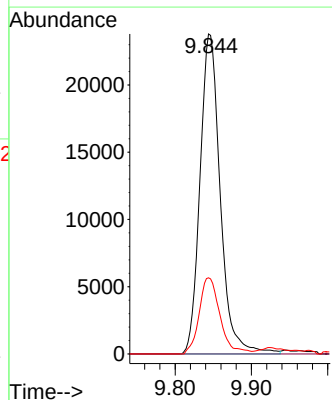
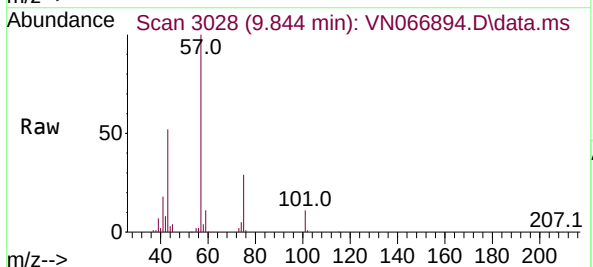
Instrument :
MSVOA_N
ClientSampled :

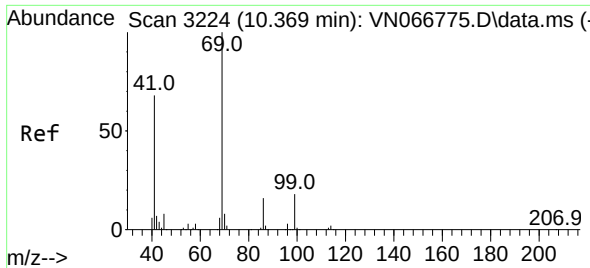
Tgt Ion: 43 Resp: 5774
Ion Ratio Lower Upper
43 100
58 46.4 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 7.15 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

Tgt Ion: 75 Resp: 43853
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 23.8 36.2 54.4#

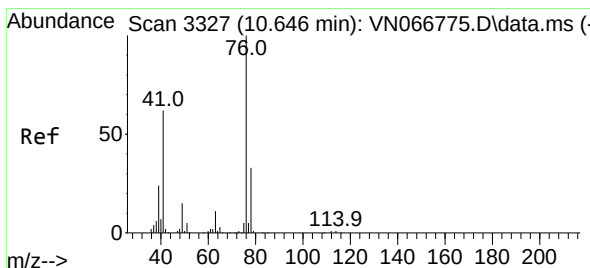
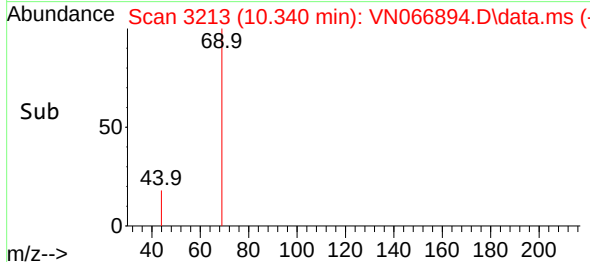
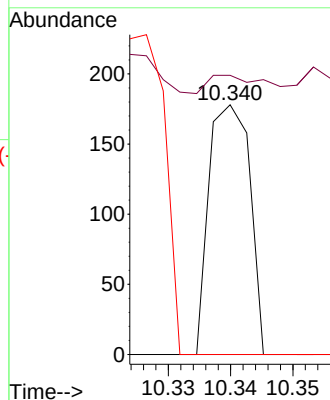
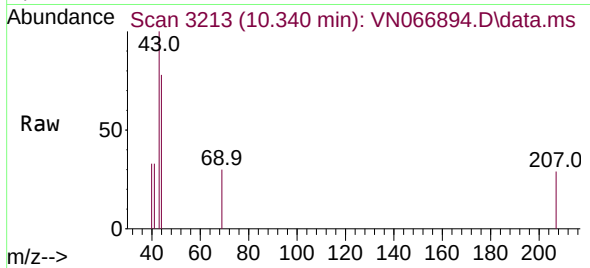




#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.340 min Scan# 3213
Delta R.T. -0.029 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

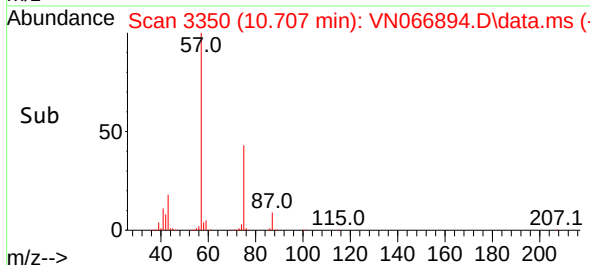
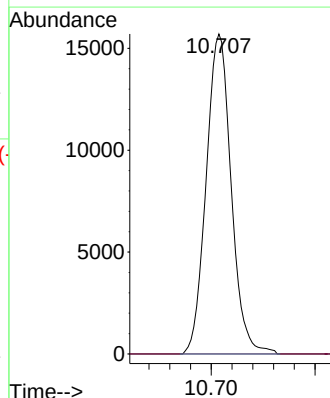
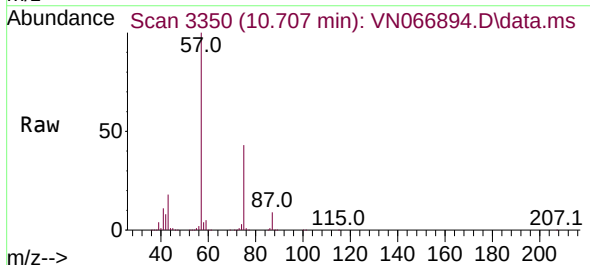
Instrument :
MSVOA_N
ClientSampleId :

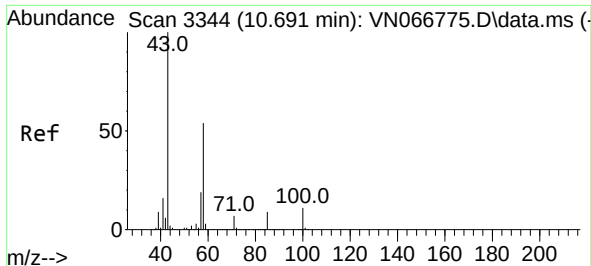
Tgt Ion: 69 Resp: 81
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.43 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

Tgt Ion: 76 Resp: 26258
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

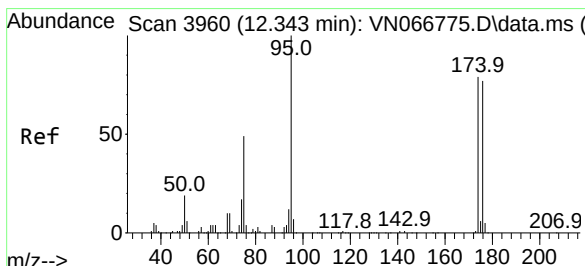
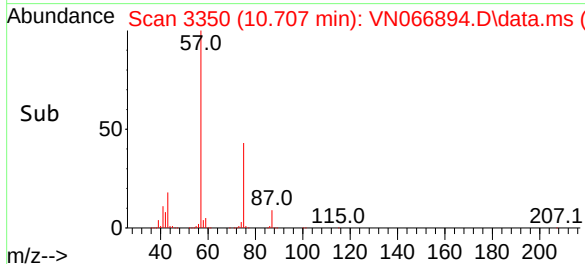
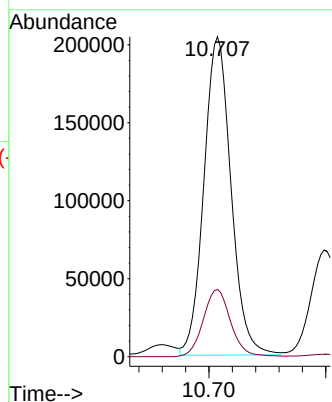
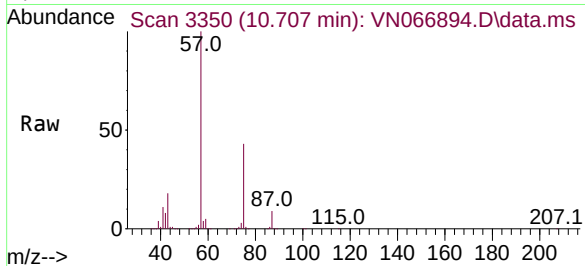




#59
2-Hexanone
Concen: 106.61 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

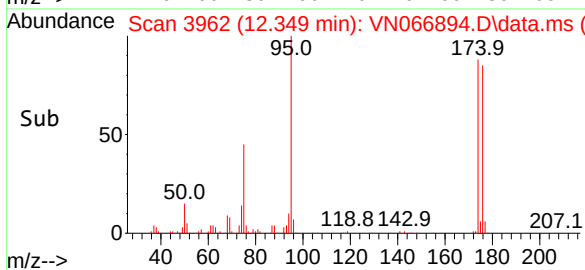
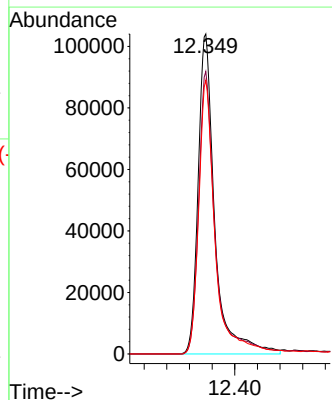
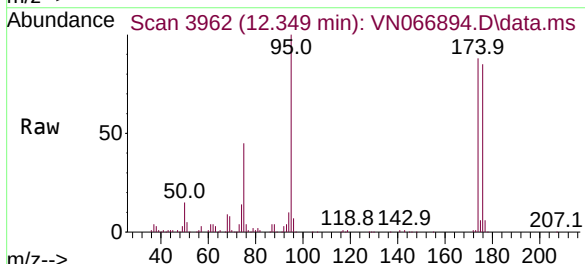
Instrument :
MSVOA_N
ClientSampled :

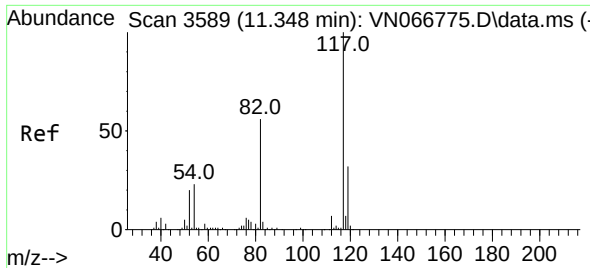
Tgt Ion: 43 Resp: 329047
Ion Ratio Lower Upper
43 100
58 21.4 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.77 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

Tgt Ion: 95 Resp: 211970
Ion Ratio Lower Upper
95 100
174 87.4 0.0 169.0
176 84.9 0.0 162.4

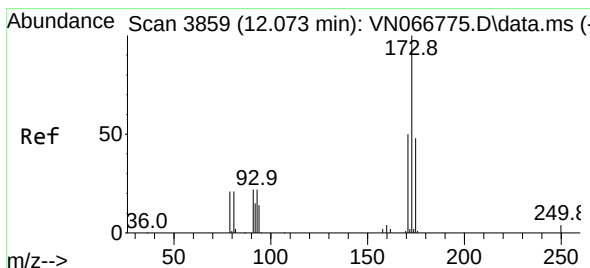
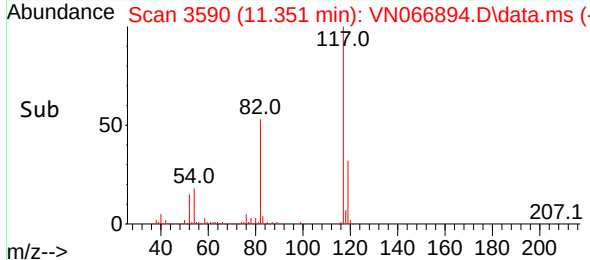
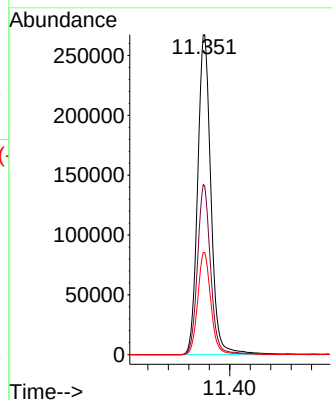
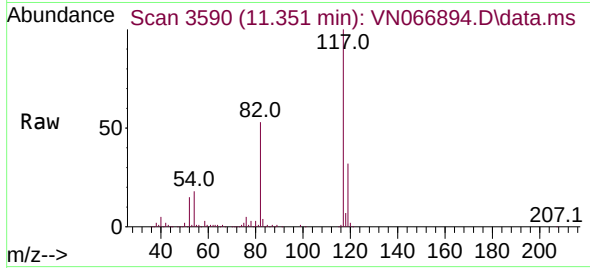




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

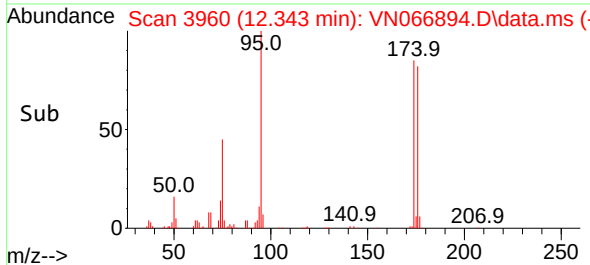
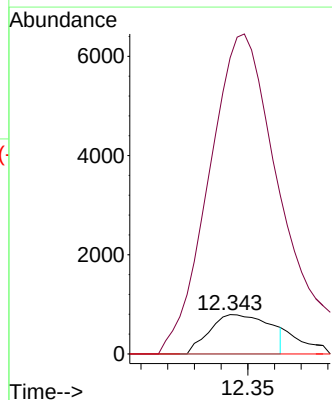
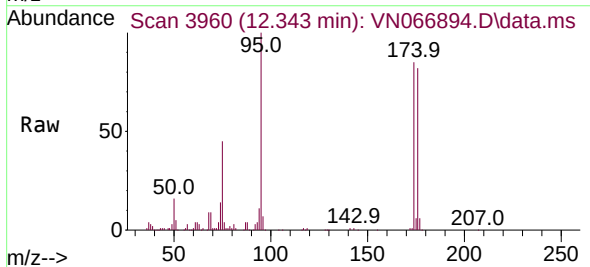
Instrument :
MSVOA_N
ClientSampled :

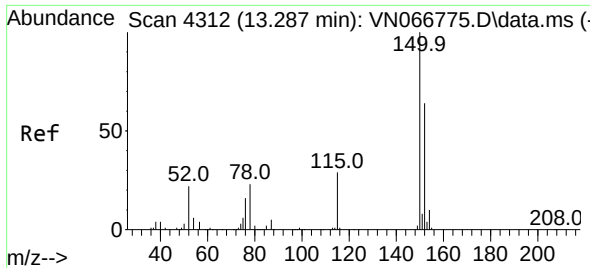
Tgt Ion:117 Resp: 481709
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 31.9 26.1 39.1



#71
Bromoform
Concen: 0.48 ug/l
RT: 12.343 min Scan# 3960
Delta R.T. 0.270 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

Tgt Ion:173 Resp: 1254
Ion Ratio Lower Upper
173 100
175 805.8 23.8 71.2#
254 0.0 0.0 0.0

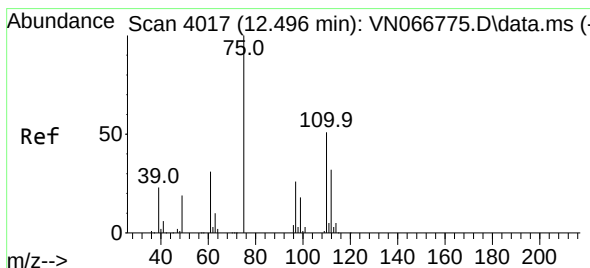
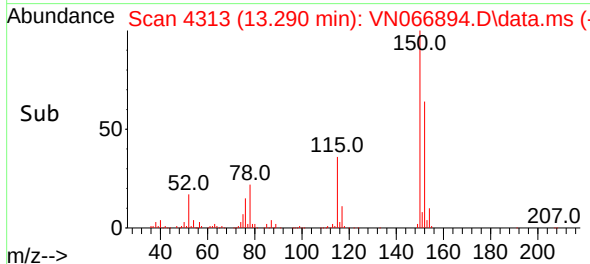
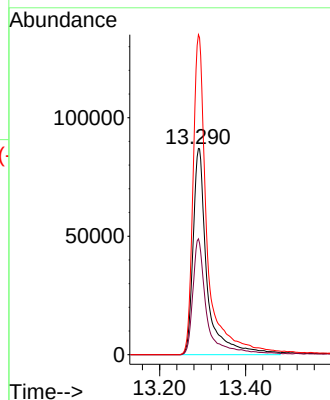
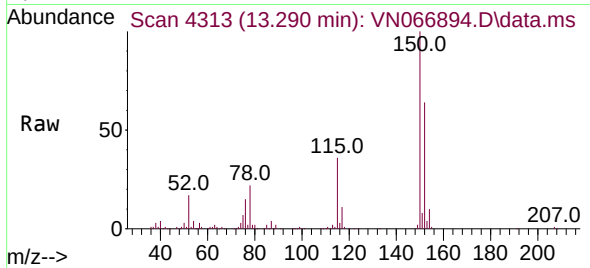




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

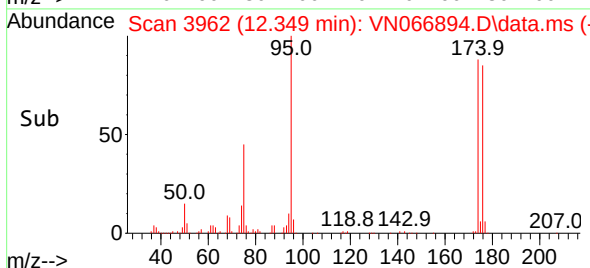
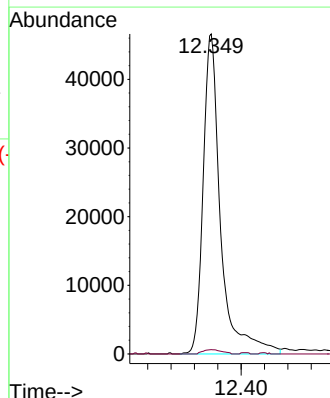
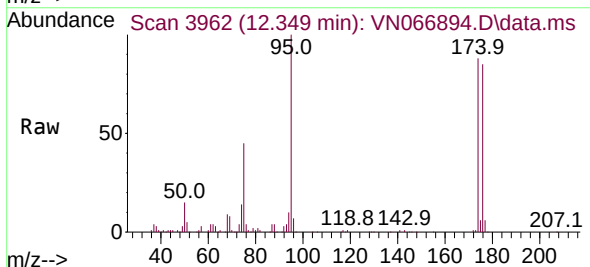
Instrument :
MSVOA_N
ClientSampled :

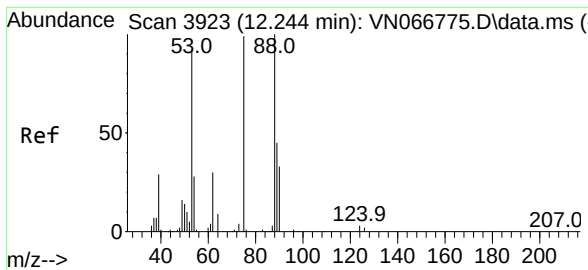
Tgt Ion:152 Resp: 198448
Ion Ratio Lower Upper
152 100
115 52.6 28.5 85.6
150 155.8 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 23.09 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066894.D
Acq: 30 Apr 2021 4:53

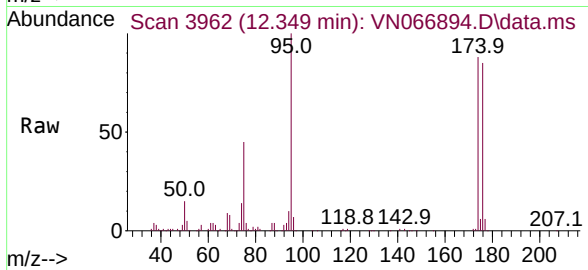
Tgt Ion: 75 Resp: 96584
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.45 ug/l
 RT: 12.349 min Scan# 3962
 Delta R.T. 0.105 min
 Lab File: VN066894.D
 Acq: 30 Apr 2021 4:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	96584
Ion Ratio	Lower	Upper	
75	100		
53	0.0	74.6	111.8#
89	0.1	35.8	53.8#

