

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066259.D
 Acq On : 18 Mar 2021 16:32
 Operator : JC/MD
 Sample : PB135215ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:27:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

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

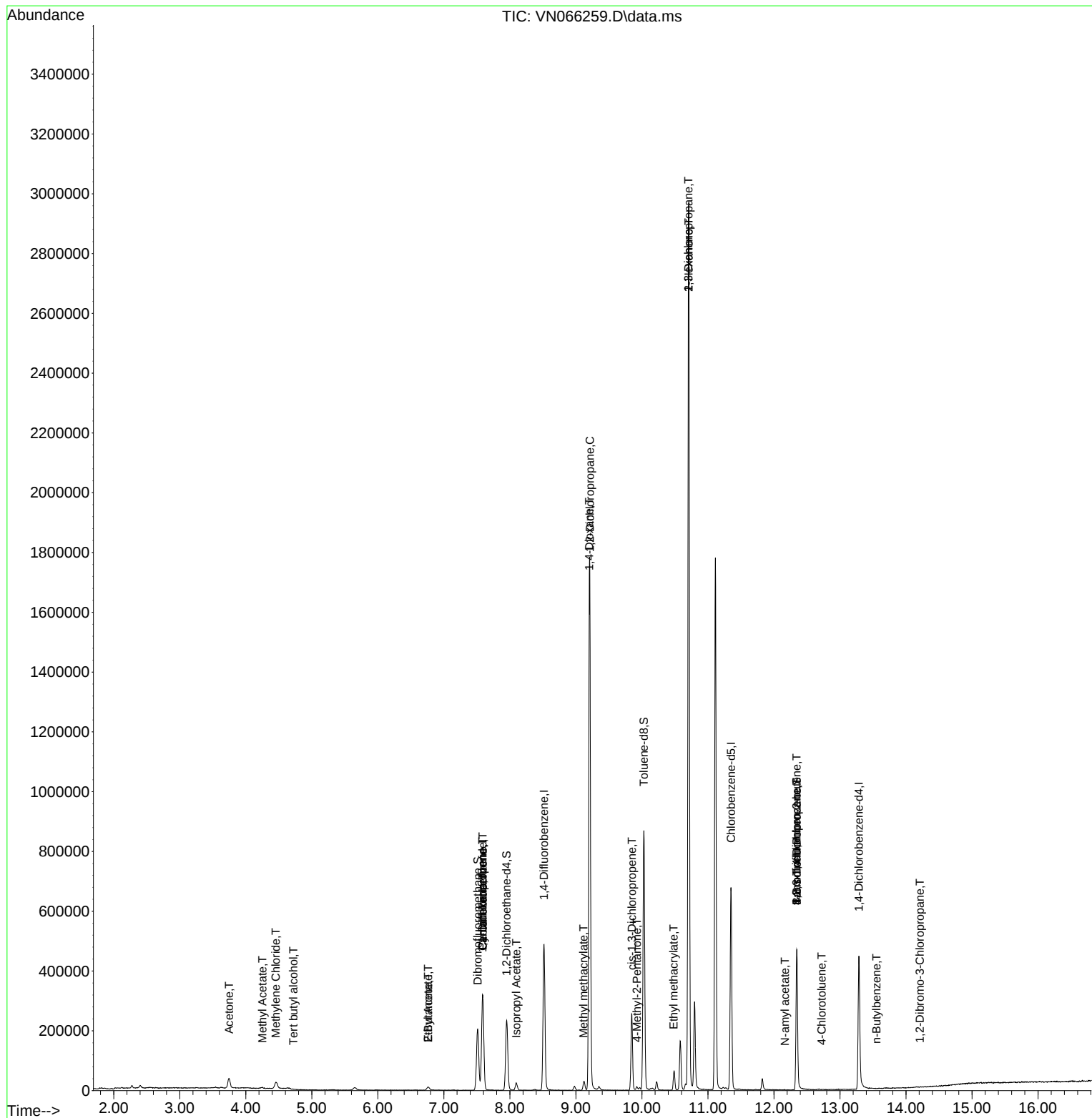
Internal Standards						
1) Pentafluorobenzene	7.587	168	290560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.518	114	431977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	406780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	145771	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	197590	47.20	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.40%		
35) Dibromofluoromethane	7.512	113	158071	57.36	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	114.72%		
50) Toluene-d8	10.030	98	601395	56.44	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	112.88%#		
62) 4-Bromofluorobenzene	12.345	95	161996	42.18	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.36%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.720	59	175	0.24	ug/l #	73
13) Acrolein	3.527	56	900	Below Cal		88
16) Acetone	3.747	43	52761	26.24	ug/l	99
18) Methyl Acetate	4.251	43	5290	0.94	ug/l #	92
20) Methylene Chloride	4.455	84	13087	4.16	ug/l	96
25) 2-Butanone	6.761	43	10093	3.23	ug/l	95
31) Cyclohexane	7.587	56	4383	0.70	ug/l #	1
36) 1,1-Dichloropropene	7.585	75	18758	4.29	ug/l #	51
37) Ethyl Acetate	6.761	43	10093	1.61	ug/l #	75
38) Carbon Tetrachloride	7.590	117	24201	6.17	ug/l #	18
43) Isopropyl Acetate	8.097	43	28210	2.92	ug/l #	93
45) 1,2-Dichloropropane	9.212	63	2349	0.62	ug/l #	44
48) Methyl methacrylate	9.116	41	7669	1.67	ug/l #	21
49) 1,4-Dioxane	9.202	88	127	2.55	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	7417	1.27	ug/l	96
54) cis-1,3-Dichloropropene	9.848	75	43965	7.75	ug/l #	52
56) Ethyl methacrylate	10.481	69	846	2.31	ug/l #	1
57) 1,3-Dichloropropane	10.706	76	28629	5.09	ug/l #	43
59) 2-Hexanone	10.709	43	416220	91.96	ug/l #	57
71) Bromoform	12.345	173	1593	0.66	ug/l #	1
74) N-amyl acetate	12.168	43	350	2.22	ug/l #	49
76) 1,2,3-Trichloropropane	12.345	75	76352	20.28	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	76352	60.69	ug/l #	11
82) 4-Chlorotoluene	12.723	91	53	0.47	ug/l #	43
89) n-Butylbenzene	13.555	91	26	2.24	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.212	75	131	1.00	ug/l #	8

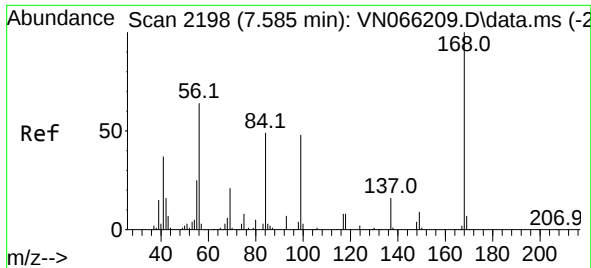
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
Data File : VN066259.D
Acq On : 18 Mar 2021 16:32
Operator : JC/MD
Sample : PB135215ZHE#06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 19 04:27:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 17 05:05:15 2021
Response via : Initial Calibration

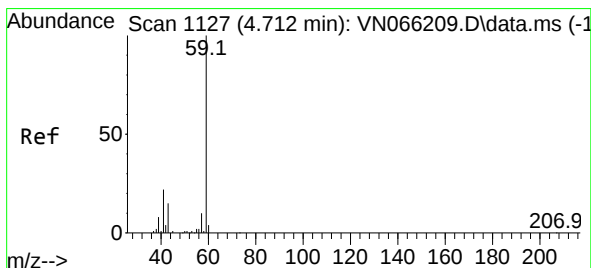
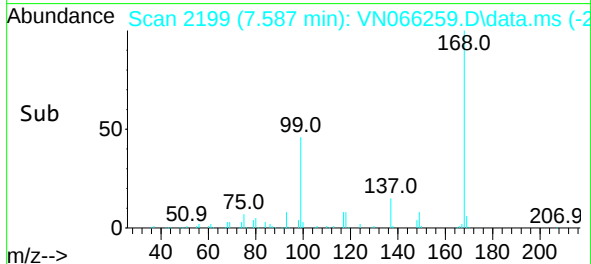
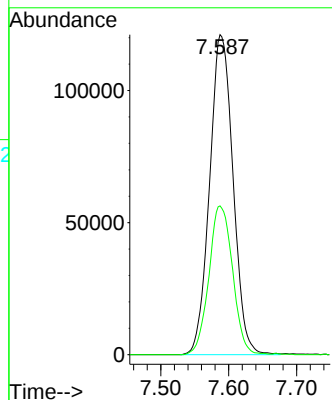
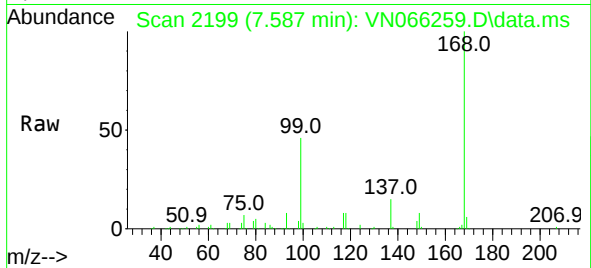




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

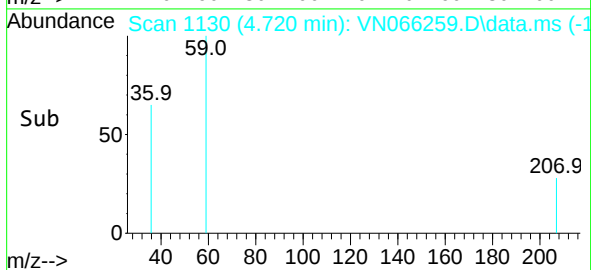
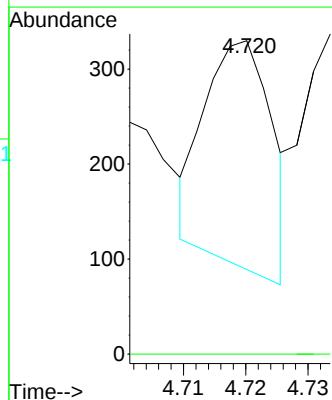
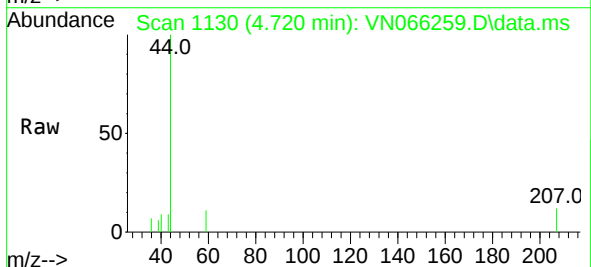
Instrument :
MSVOA_N
ClientSampled :

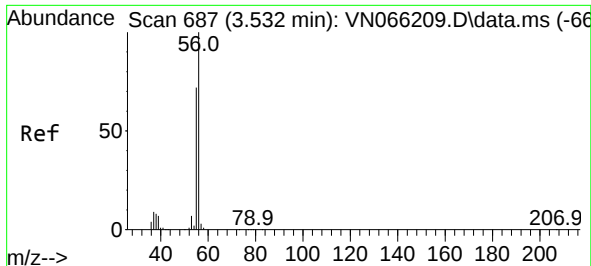
Tgt Ion:168 Resp: 290560
Ion Ratio Lower Upper
168 100
99 46.5 45.4 68.0



#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 4.720 min Scan# 1130
Delta R.T. 0.008 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

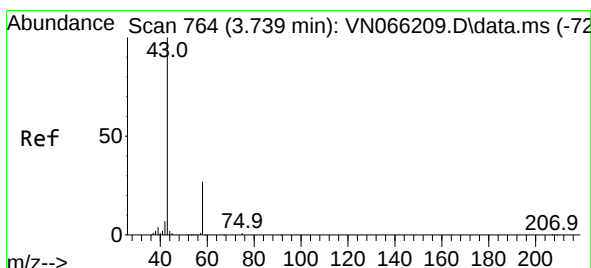
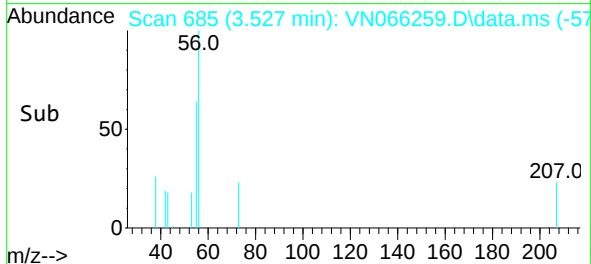
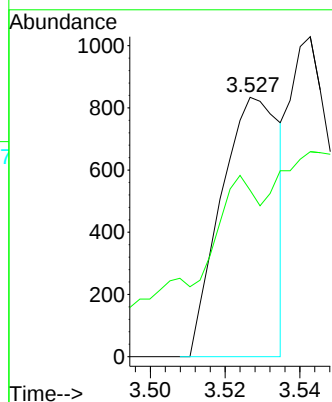
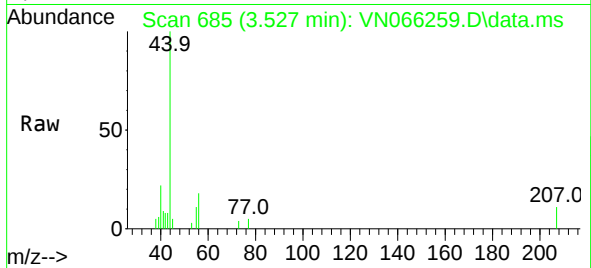




#13
Acrolein
Concen: Below Cal
RT: 3.527 min Scan# 685
Delta R.T. -0.005 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

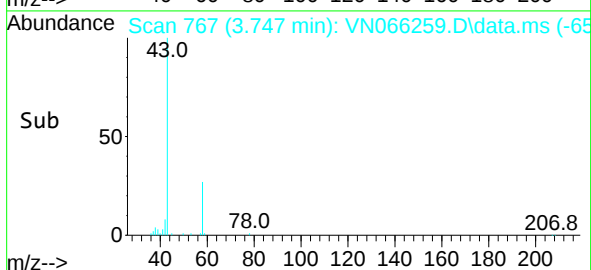
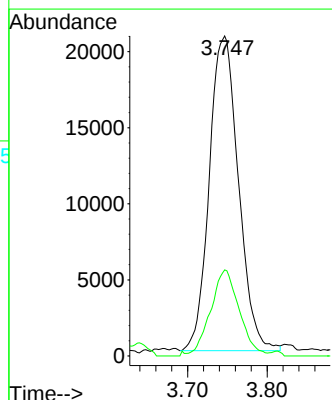
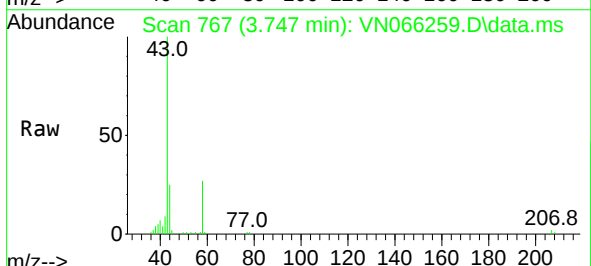
Instrument :
MSVOA_N
ClientSampled :

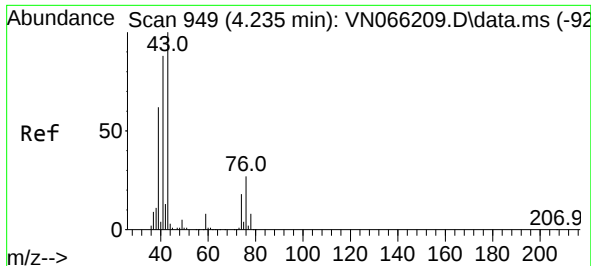
Tgt Ion: 56 Resp: 900
Ion Ratio Lower Upper
56 100
55 82.3 58.0 87.0



#16
Acetone
Concen: 26.24 ug/l
RT: 3.747 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

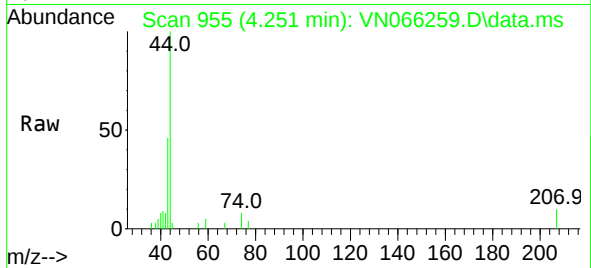
Tgt Ion: 43 Resp: 52761
Ion Ratio Lower Upper
43 100
58 27.3 22.3 33.5



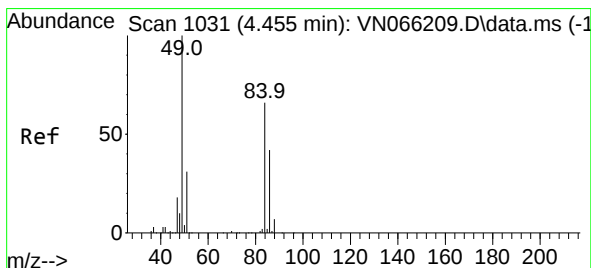
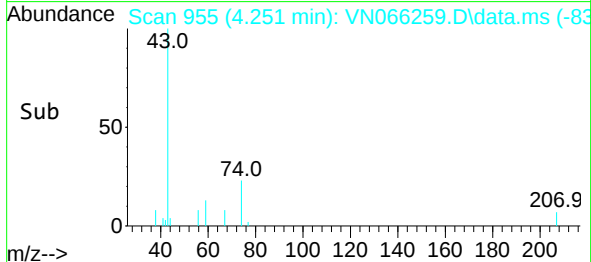
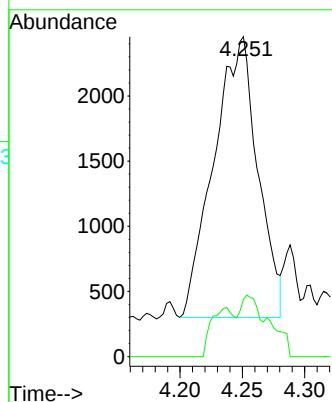


#18
Methyl Acetate
Concen: 0.94 ug/l
RT: 4.251 min Scan# 955
Delta R.T. 0.016 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampled :

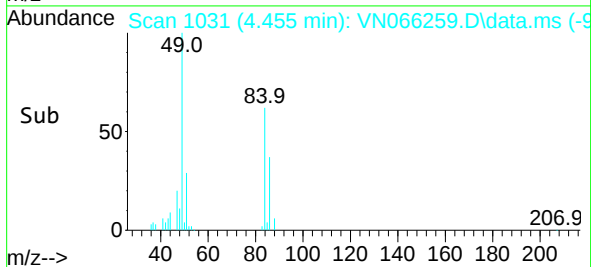
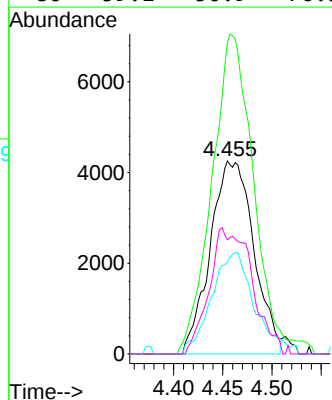
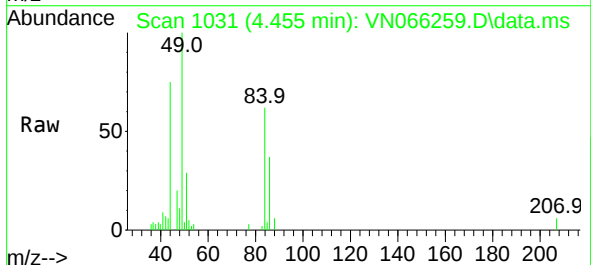


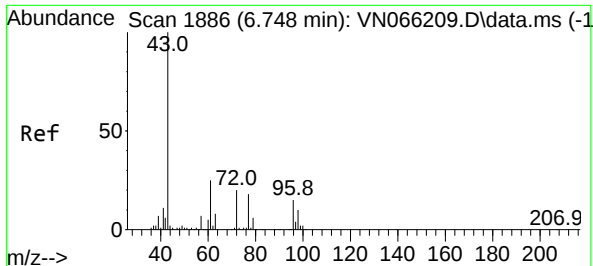
Tgt Ion: 43 Resp: 5290
Ion Ratio Lower Upper
43 100
74 14.1 14.2 21.2#



#20
Methylene Chloride
Concen: 4.16 ug/l
RT: 4.455 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

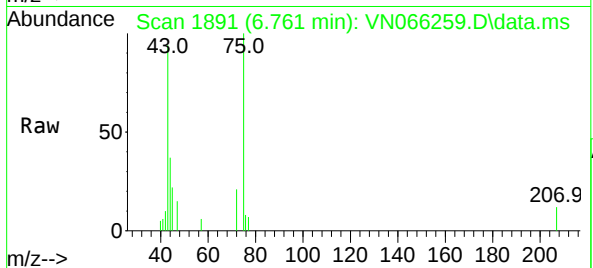
Tgt Ion: 84 Resp: 13087
Ion Ratio Lower Upper
84 100
49 157.6 130.0 195.0
51 47.5 39.1 58.7
86 59.1 50.9 76.3



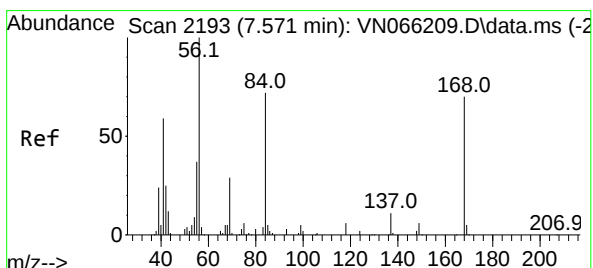
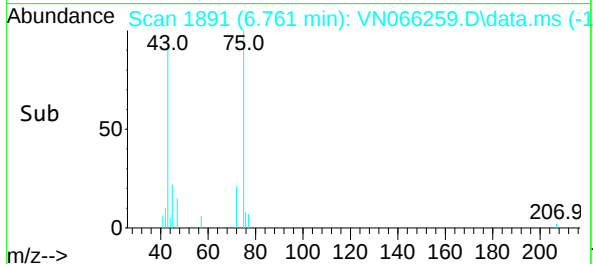
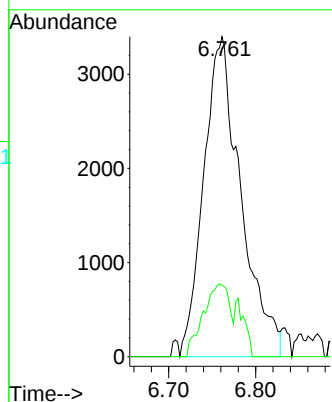


#25
2-Butanone
Concen: 3.23 ug/l
RT: 6.761 min Scan# 1891
Delta R.T. 0.013 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampled :

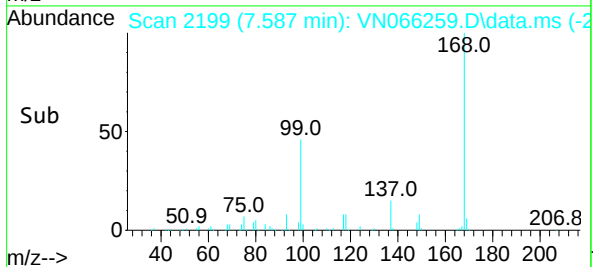
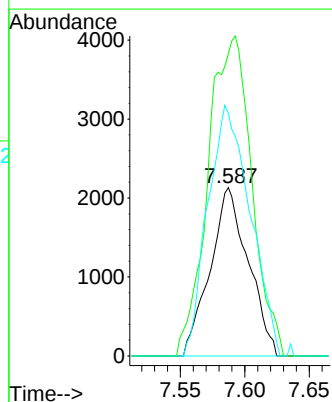
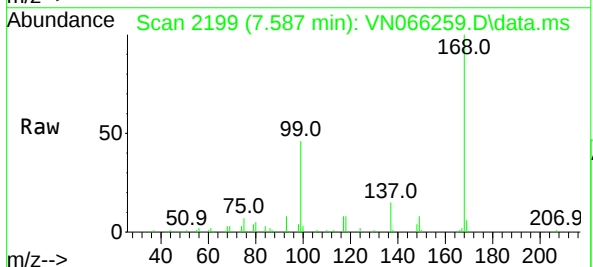


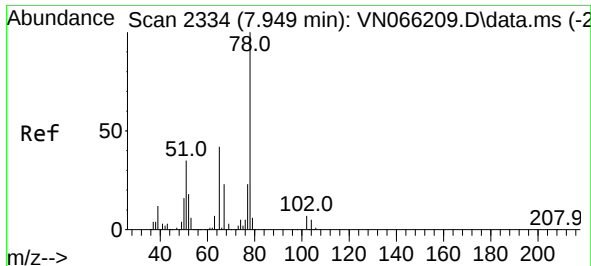
Tgt Ion: 43 Resp: 10093
Ion Ratio Lower Upper
43 100
72 22.3 16.2 24.2



#31
Cyclohexane
Concen: 0.70 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.016 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 56 Resp: 4383
Ion Ratio Lower Upper
56 100
69 169.7 23.4 35.0#
84 144.0 57.8 86.6#

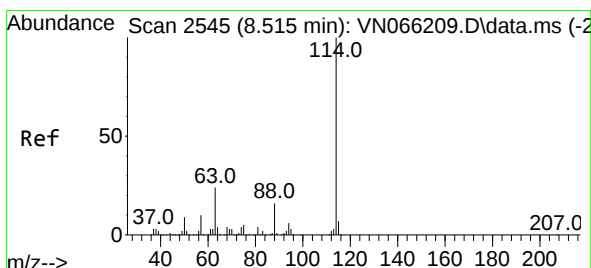
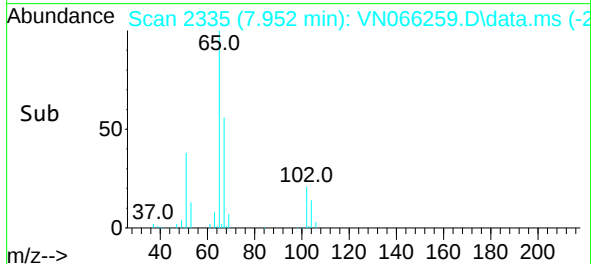
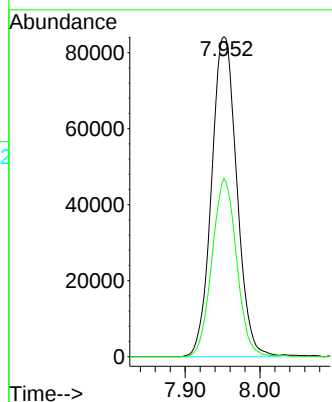
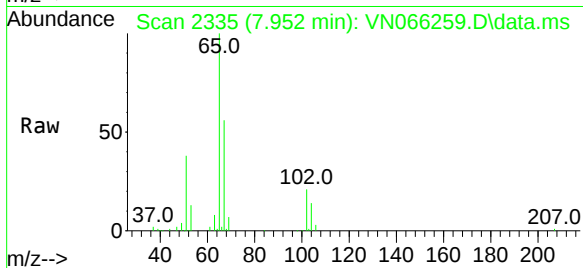




#33
1,2-Dichloroethane-d4
Concen: 47.20 ug/l
RT: 7.952 min Scan# 2335
Delta R.T. 0.003 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

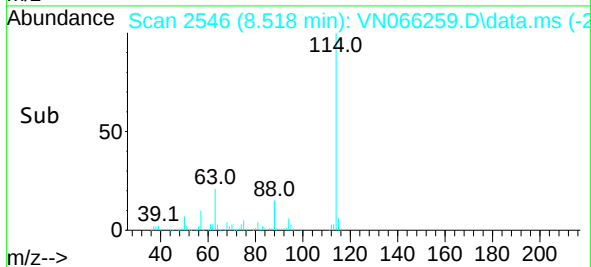
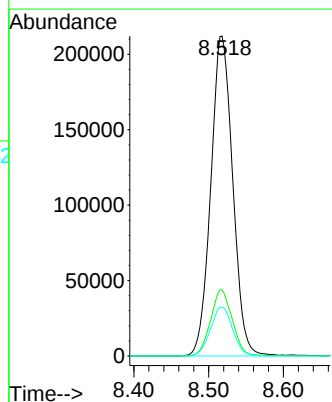
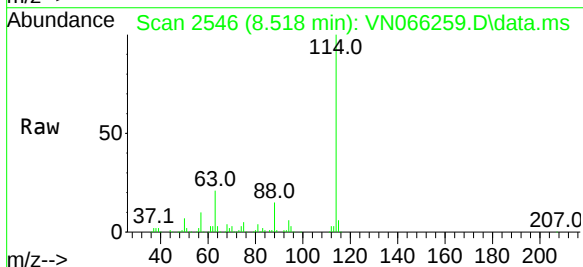
Instrument :
MSVOA_N
ClientSampled :

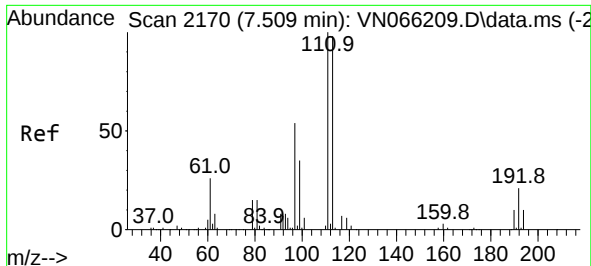
Tgt Ion: 65 Resp: 197590
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.518 min Scan# 2546
Delta R.T. 0.003 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 114 Resp: 431977
Ion Ratio Lower Upper
114 100
63 20.7 0.0 49.2
88 15.2 0.0 33.8

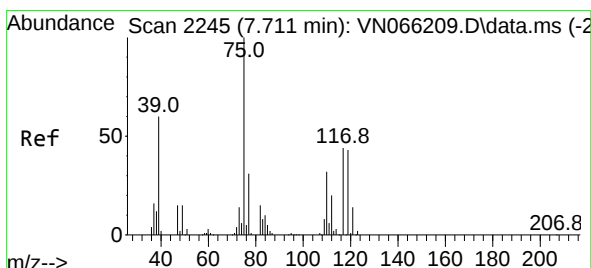
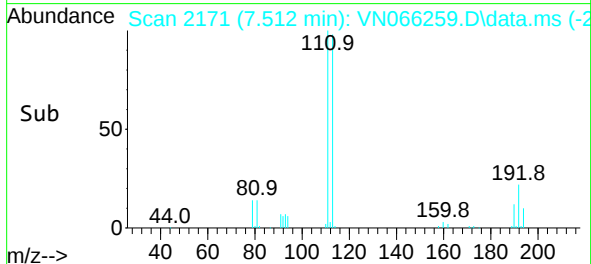
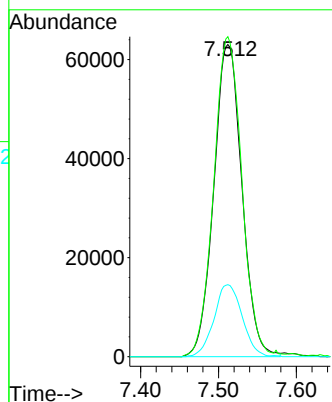
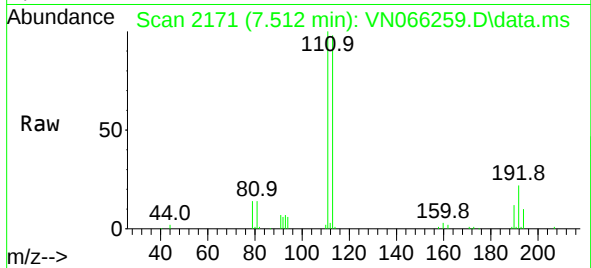




#35
Dibromofluoromethane
Concen: 57.36 ug/l
RT: 7.512 min Scan# 2171
Delta R.T. 0.003 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

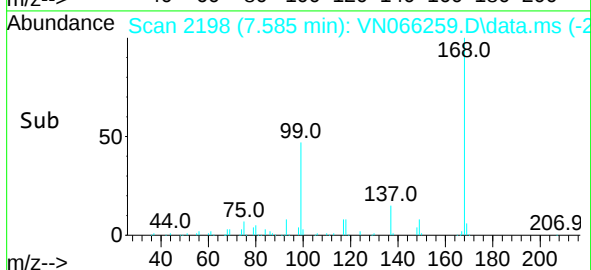
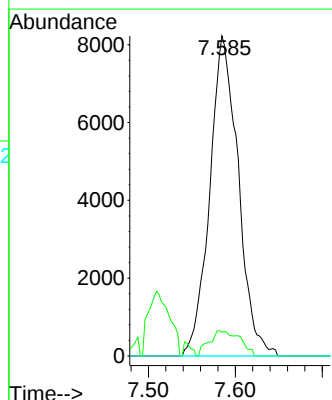
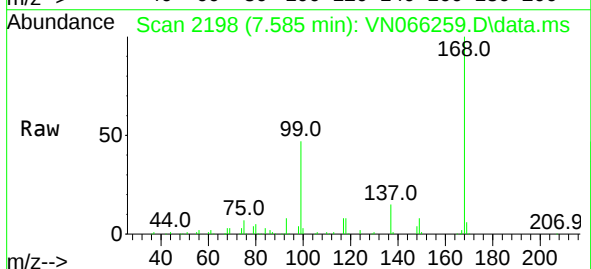
Instrument :
MSVOA_N
ClientSampleId :

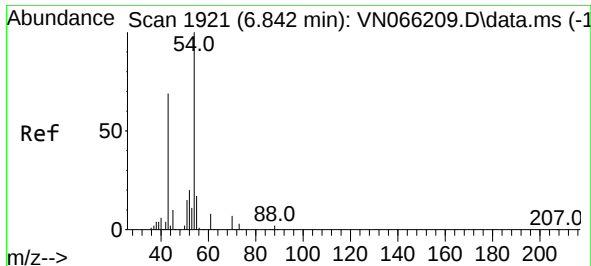
Tgt Ion:113 Resp: 158071
Ion Ratio Lower Upper
113 100
111 102.1 84.0 126.0
192 23.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.29 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.127 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

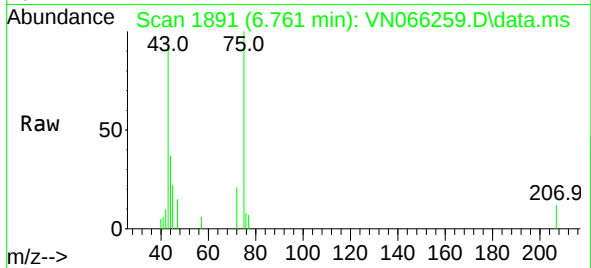
Tgt Ion: 75 Resp: 18758
Ion Ratio Lower Upper
75 100
110 8.4 16.0 48.0#
77 0.0 24.9 37.3#



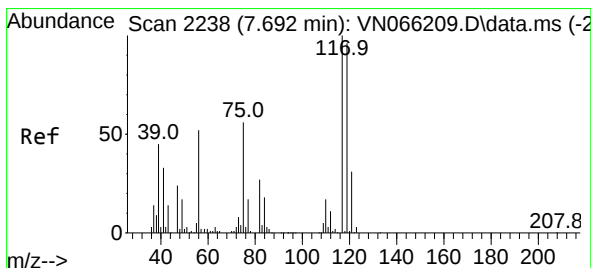
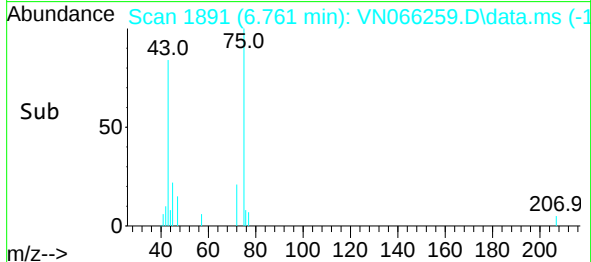
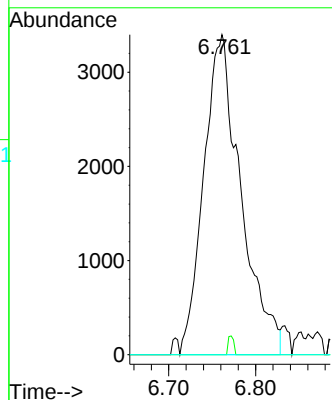


#37
Ethyl Acetate
Concen: 1.61 ug/l
RT: 6.761 min Scan# 1891
Delta R.T. -0.081 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampled :

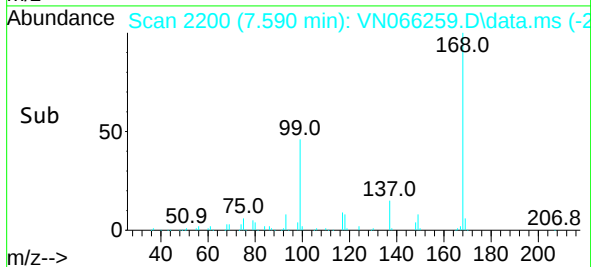
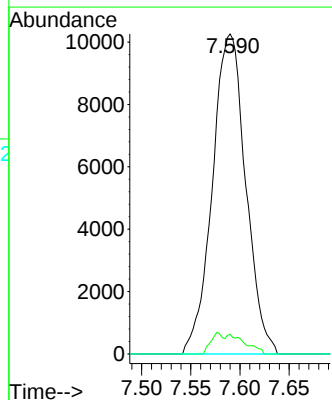
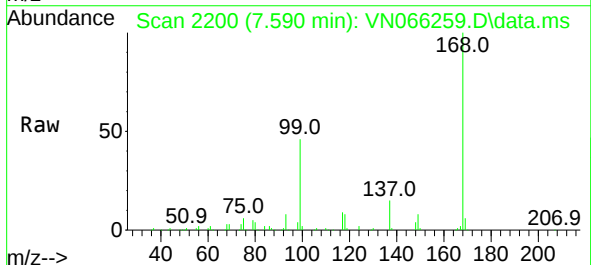


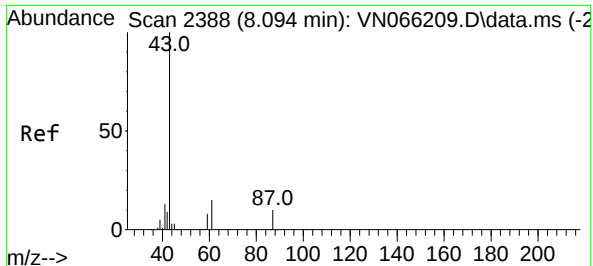
Tgt Ion: 43 Resp: 10093
Ion Ratio Lower Upper
43 100
61 0.9 9.2 13.8#
70 0.0 6.1 9.1#



#38
Carbon Tetrachloride
Concen: 6.17 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.102 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 117 Resp: 24201
Ion Ratio Lower Upper
117 100
119 6.1 74.6 111.8#
121 0.0 23.9 35.9#

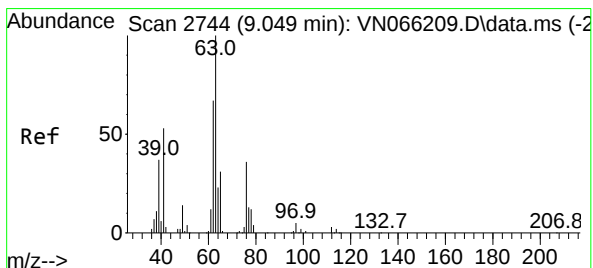
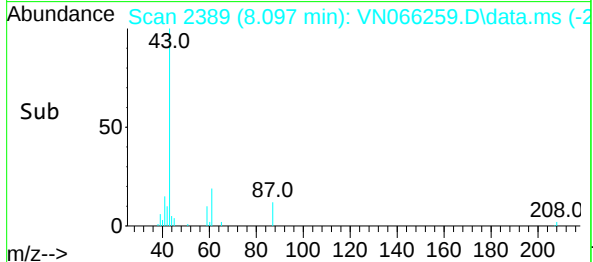
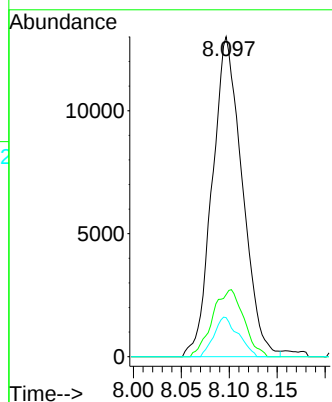
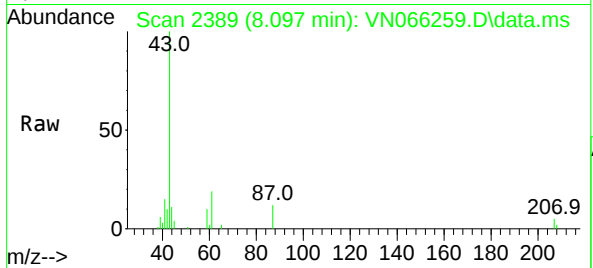




#43
Isopropyl Acetate
Concen: 2.92 ug/l
RT: 8.097 min Scan# 2389
Delta R.T. 0.003 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

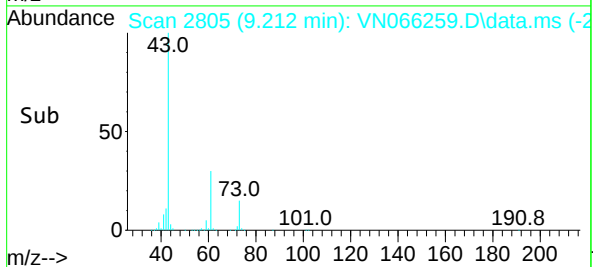
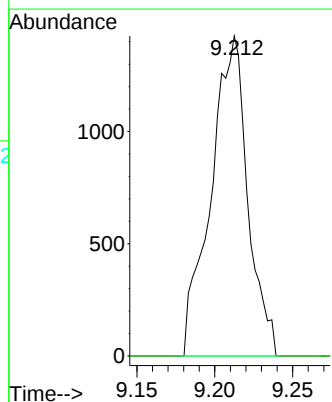
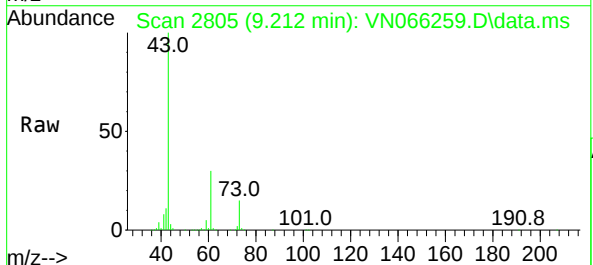
Instrument :
MSVOA_N
ClientSampled :

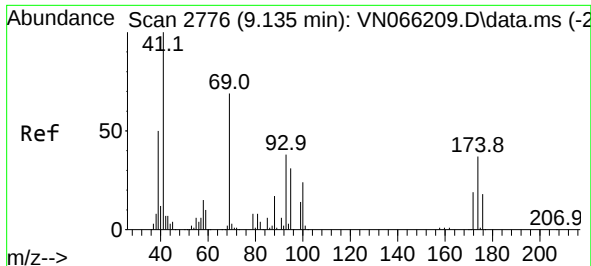
Tgt Ion: 43 Resp: 28210
Ion Ratio Lower Upper
43 100
61 21.9 14.0 21.0#
87 10.0 7.9 11.9



#45
1,2-Dichloropropane
Concen: 0.62 ug/l
RT: 9.212 min Scan# 2805
Delta R.T. 0.163 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

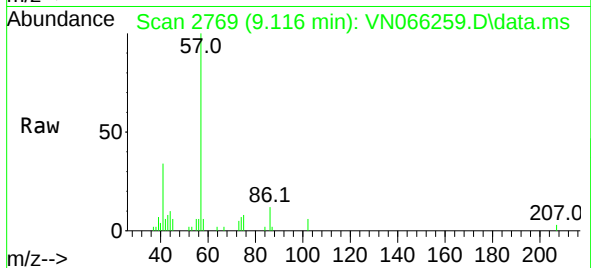
Tgt Ion: 63 Resp: 2349
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



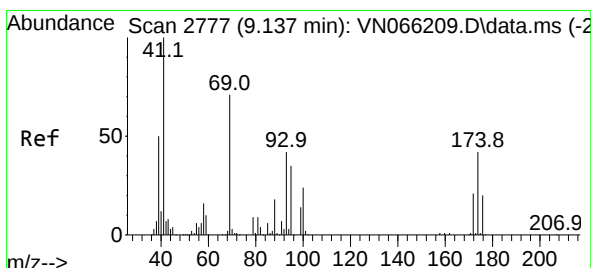
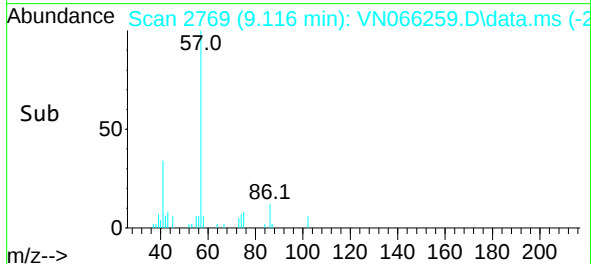
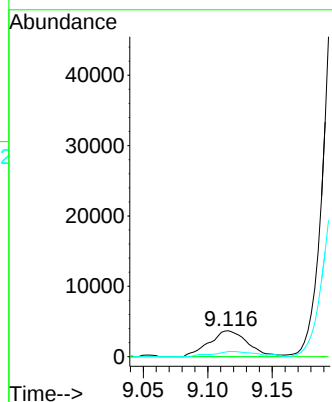


#48
Methyl methacrylate
Concen: 1.67 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.019 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampled :

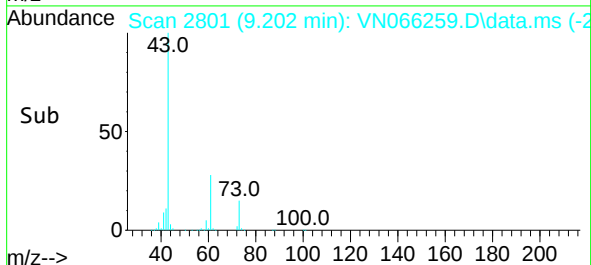
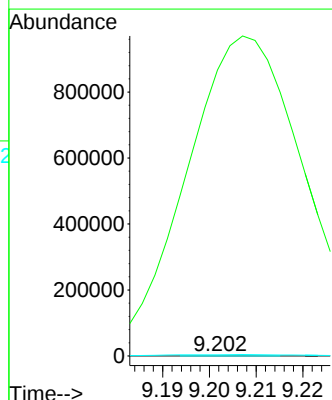
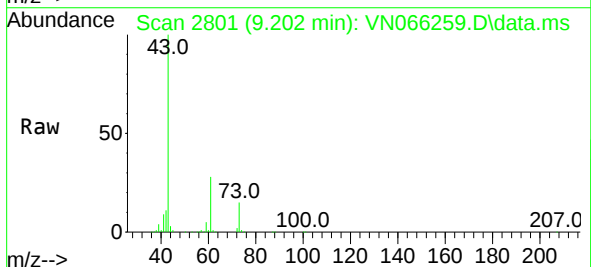


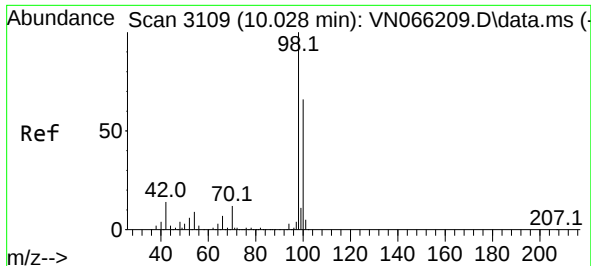
Tgt Ion: 41 Resp: 7669
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 0.0 40.2 60.2#



#49
1,4-Dioxane
Concen: 2.55 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.065 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 1394787.4 34.4 51.6#
58 6975.6 67.3 100.9#

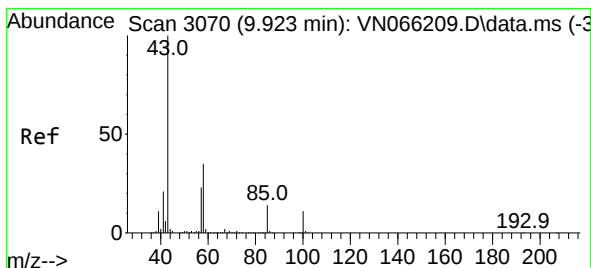
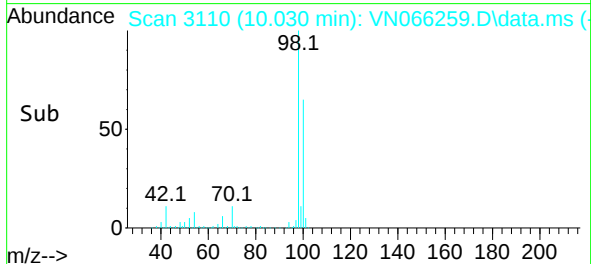
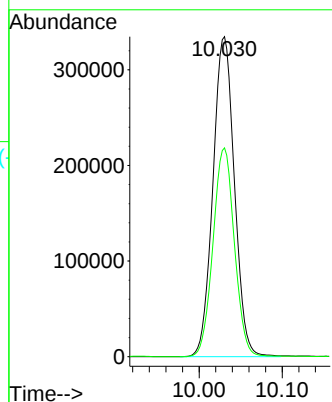
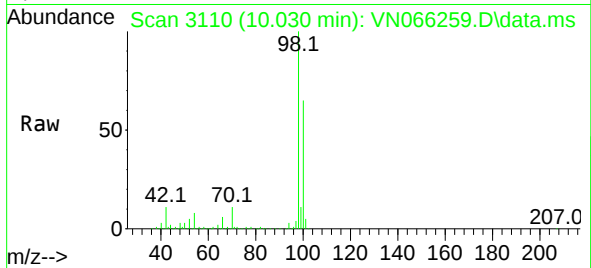




#50
Toluene-d8
Concen: 56.44 ug/l
RT: 10.030 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

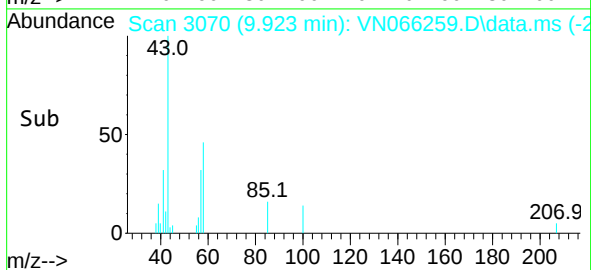
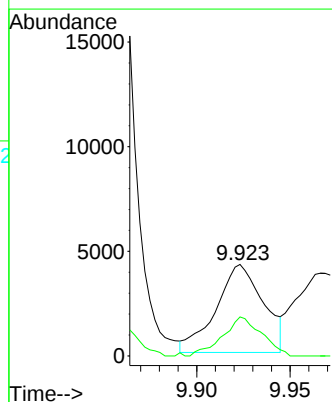
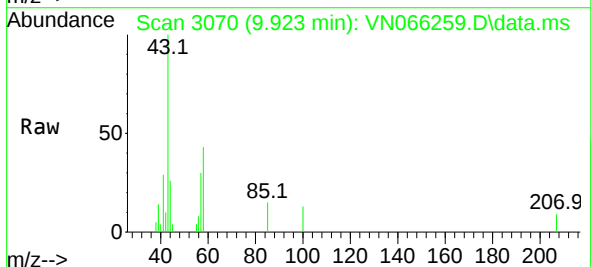
Instrument :
MSVOA_N
ClientSampled :

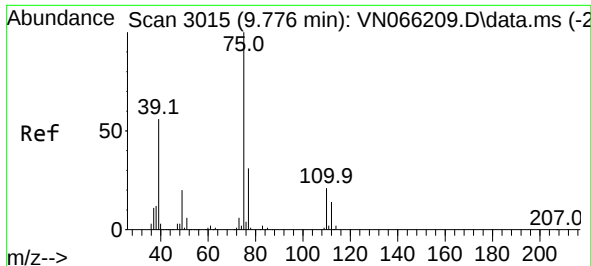
Tgt Ion: 98 Resp: 601395
Ion Ratio Lower Upper
98 100
100 65.1 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.27 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 43 Resp: 7417
Ion Ratio Lower Upper
43 100
58 36.5 27.5 41.3

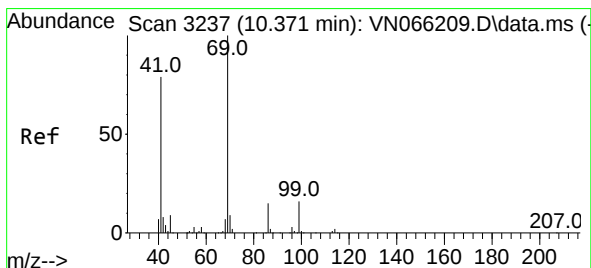
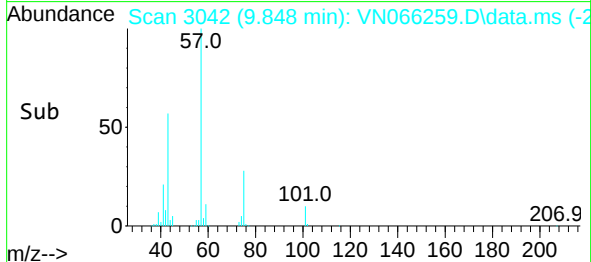
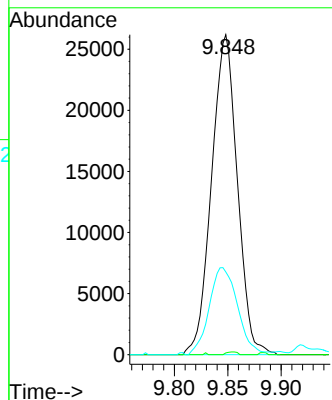
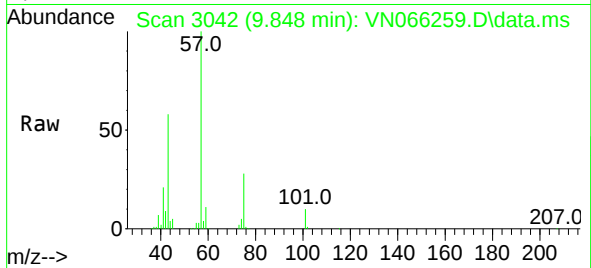




#54
 cis-1,3-Dichloropropene
 Concen: 7.75 ug/l
 RT: 9.848 min Scan# 3042
 Delta R.T. 0.072 min
 Lab File: VN066259.D
 Acq: 18 Mar 2021 16:32

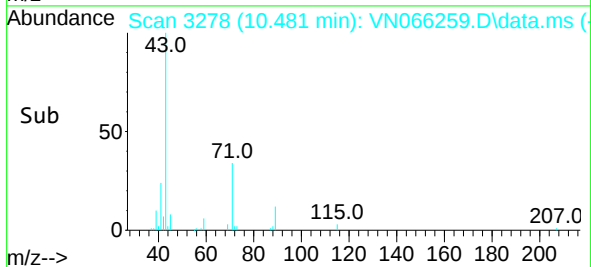
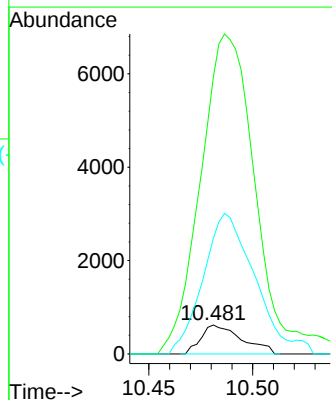
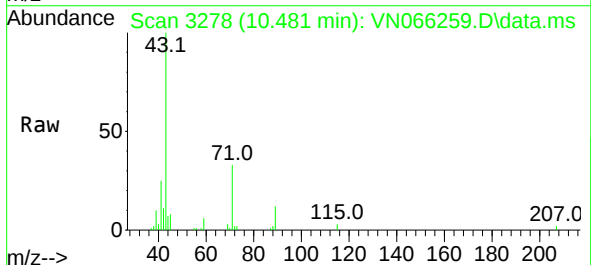
Instrument :
 MSVOA_N
 ClientSampled :

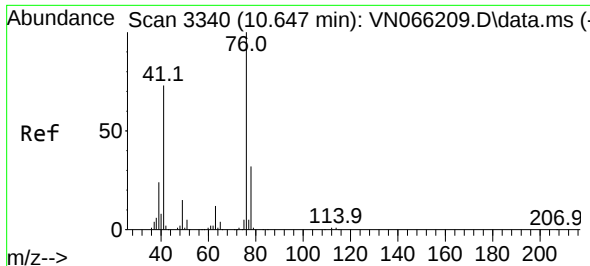
Tgt Ion: 75 Resp: 43965
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 25.3 46.2 69.2#



#56
 Ethyl methacrylate
 Concen: 2.31 ug/l
 RT: 10.481 min Scan# 3278
 Delta R.T. 0.110 min
 Lab File: VN066259.D
 Acq: 18 Mar 2021 16:32

Tgt Ion: 69 Resp: 846
 Ion Ratio Lower Upper
 69 100
 41 1492.3 66.2 99.4#
 39 617.7 31.5 47.3#

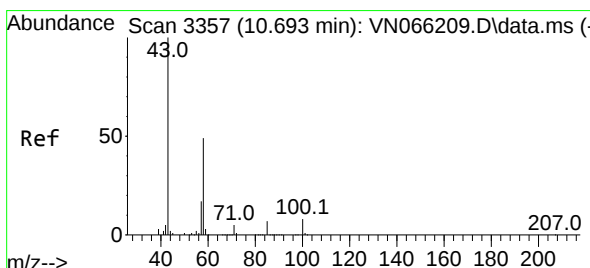
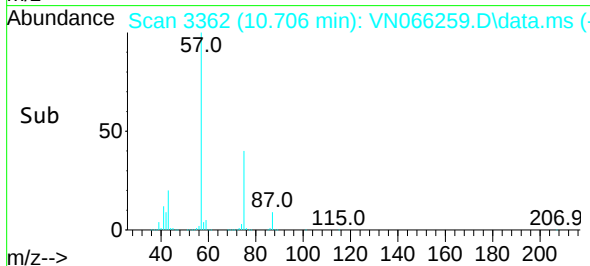
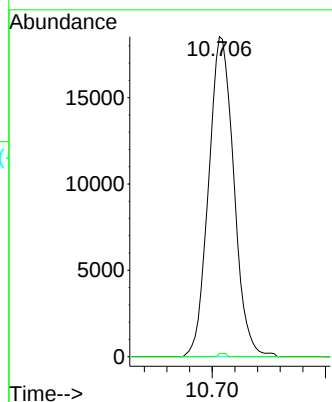
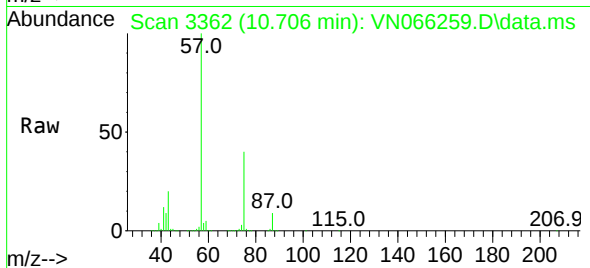




#57
1,3-Dichloropropane
Concen: 5.09 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

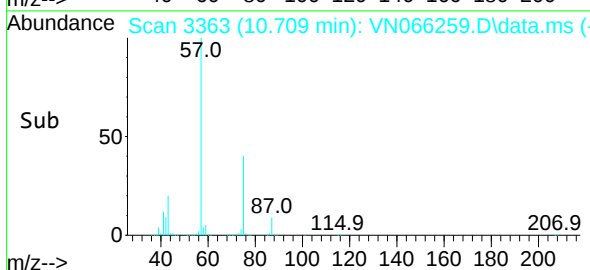
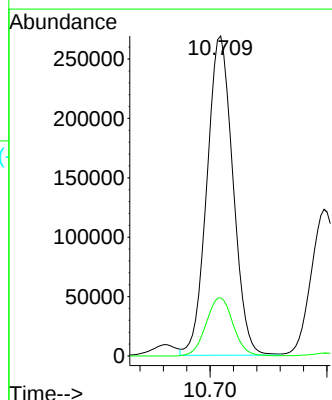
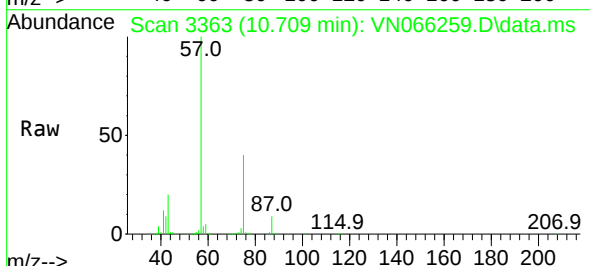
Instrument :
MSVOA_N
ClientSampleId :

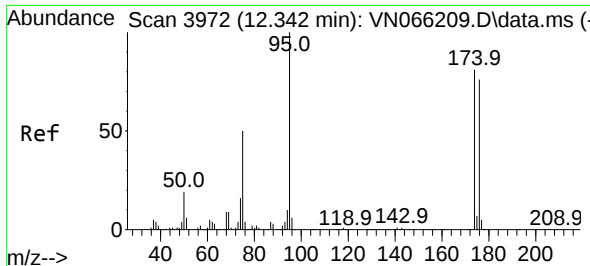
Tgt Ion: 76 Resp: 28629
Ion Ratio Lower Upper
76 100
78 0.3 25.4 38.2#



#59
2-Hexanone
Concen: 91.96 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.016 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 43 Resp: 416220
Ion Ratio Lower Upper
43 100
58 19.0 23.8 71.5#

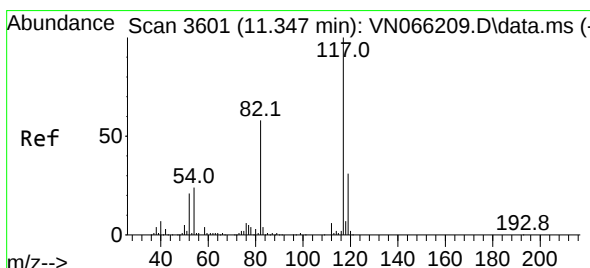
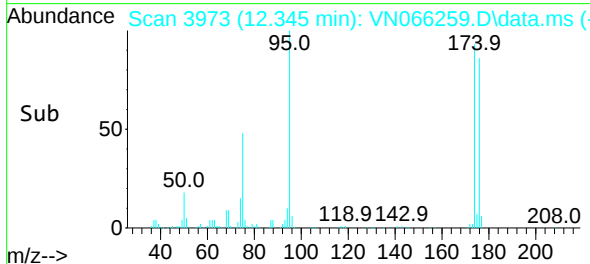
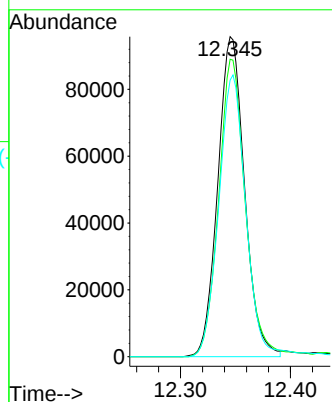
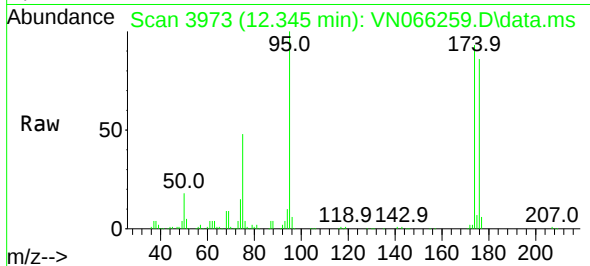




#62
4-Bromofluorobenzene
Concen: 42.18 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

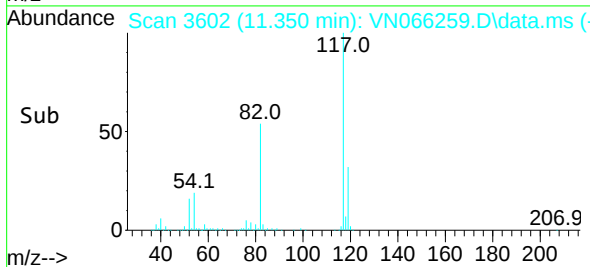
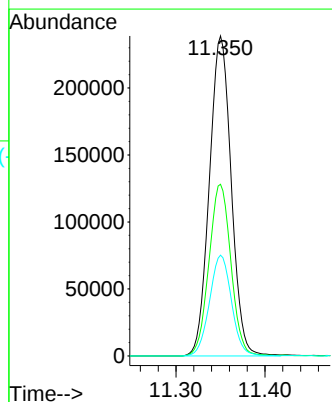
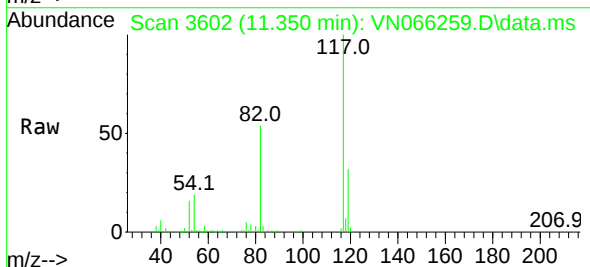
Instrument :
MSVOA_N
ClientSampleId :

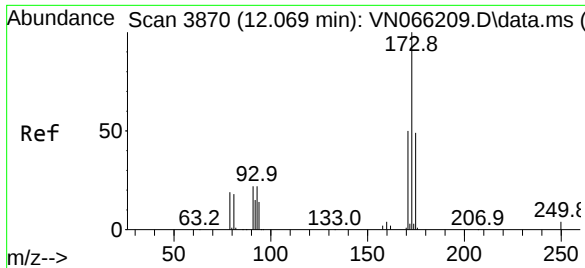
Tgt Ion: 95 Resp: 161996
Ion Ratio Lower Upper
95 100
174 93.3 0.0 162.4
176 90.0 0.0 156.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 117 Resp: 406780
Ion Ratio Lower Upper
117 100
82 53.7 49.0 73.6
119 31.5 25.7 38.5

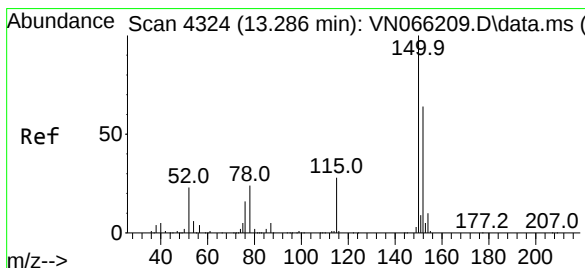
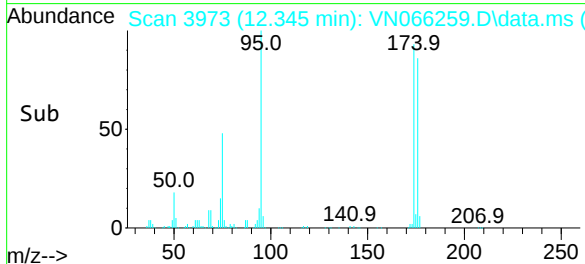
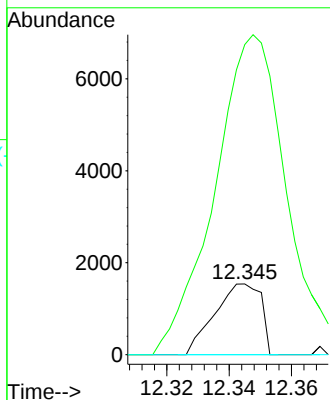
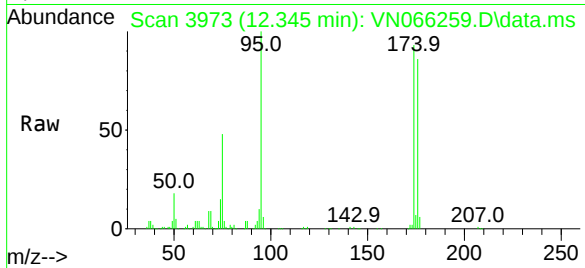




#71
Bromoform
Concen: 0.66 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

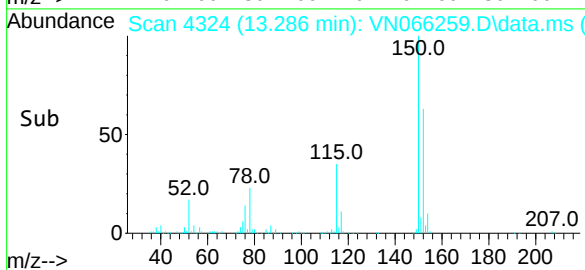
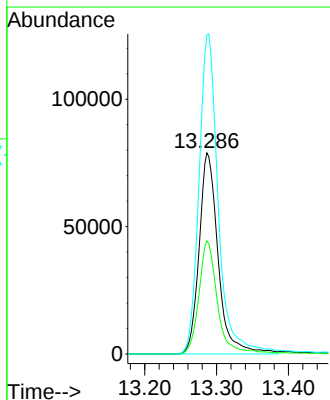
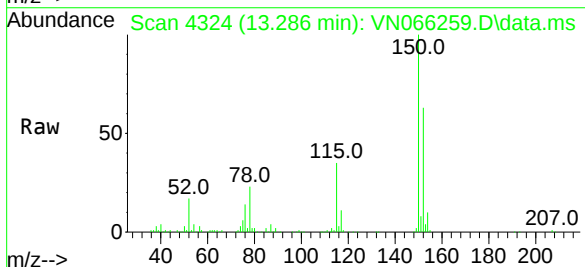
Instrument :
MSVOA_N
ClientSampleId :

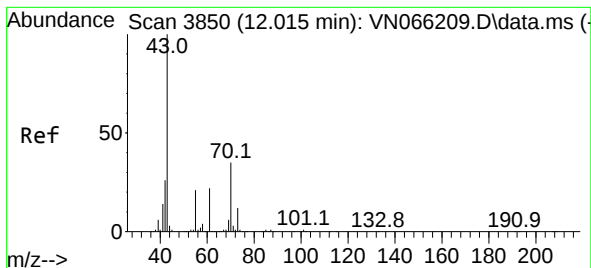
Tgt Ion:173 Resp: 1593
Ion Ratio Lower Upper
173 100
175 618.7 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

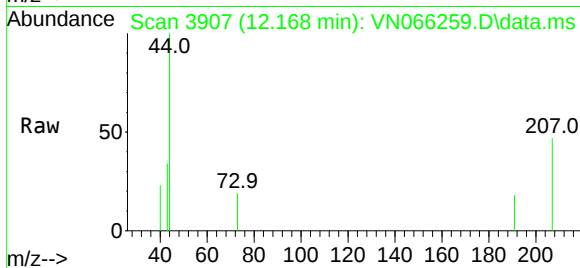
Tgt Ion:152 Resp: 145771
Ion Ratio Lower Upper
152 100
115 53.2 29.4 88.3
150 159.6 0.0 352.2



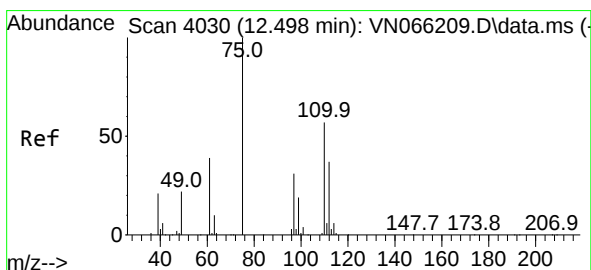
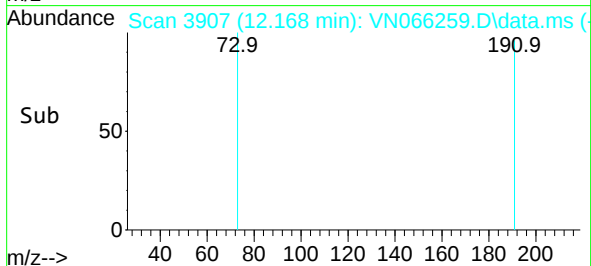
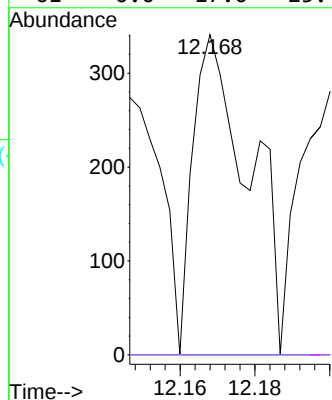


#74
N-amy1 acetate
Concen: 2.22 ug/l
RT: 12.168 min Scan# 3907
Delta R.T. 0.153 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampled :

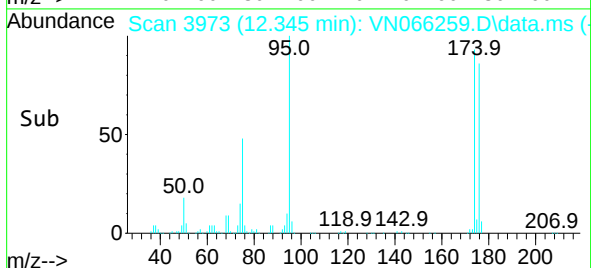
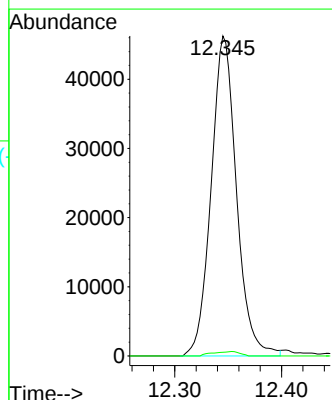
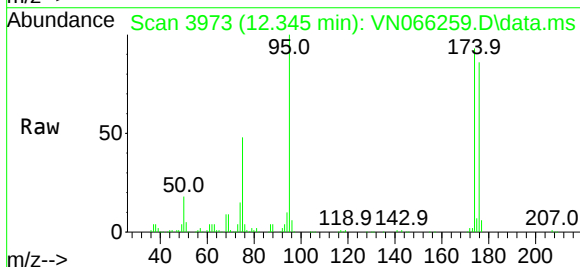


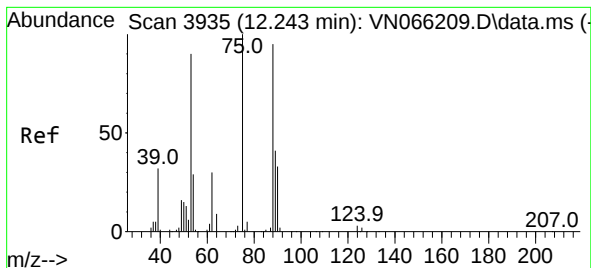
Tgt Ion:	43	Resp:	350
Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.2	39.4#
55	0.0	17.2	25.8#
61	0.0	17.0	25.4#



#76
1,2,3-Trichloropropane
Concen: 20.28 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion:	75	Resp:	76352
Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

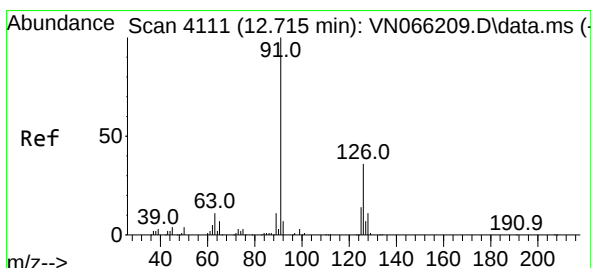
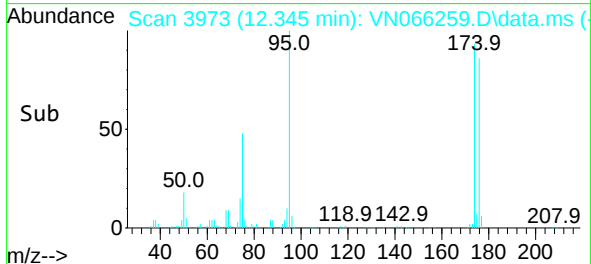
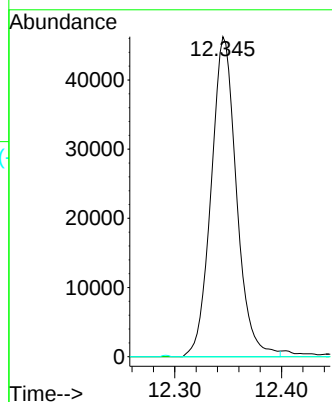
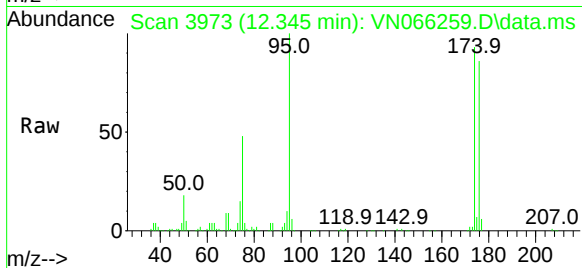




#81
trans-1,4-Dichloro-2-butene
Concen: 60.69 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

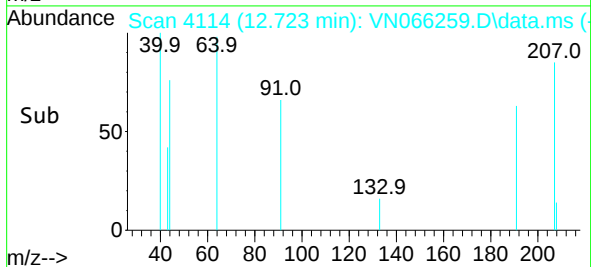
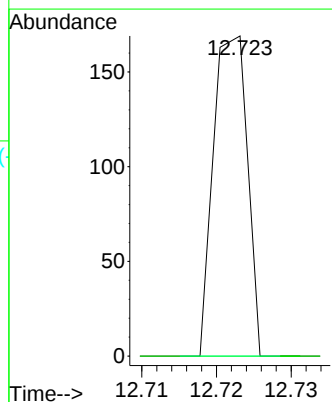
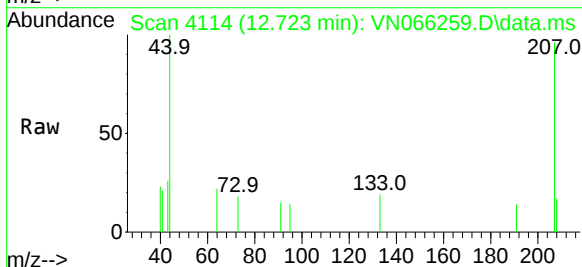
Instrument :
MSVOA_N
ClientSampled :

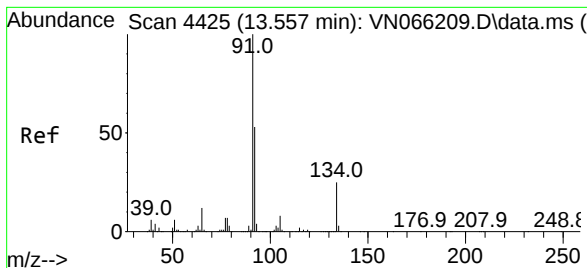
Tgt Ion: 75 Resp: 76352
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.6#
89 0.0 33.7 50.5#



#82
4-Chlorotoluene
Concen: 0.47 ug/l
RT: 12.723 min Scan# 4114
Delta R.T. 0.008 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 91 Resp: 53
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#

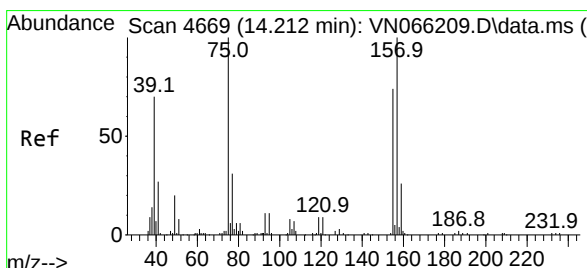
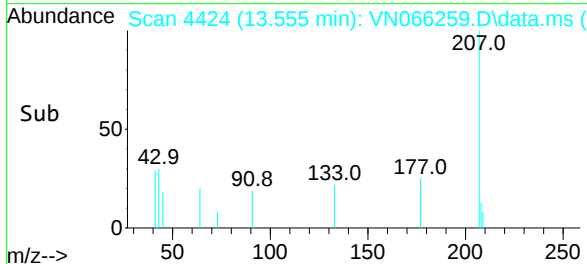
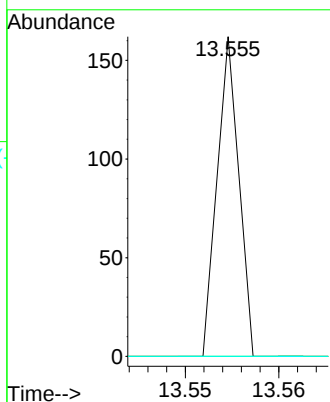
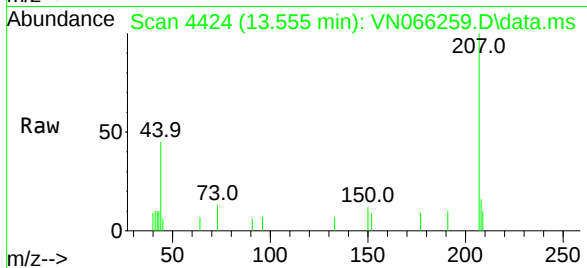




#89
n-Butylbenzene
Concen: 2.24 ug/l
RT: 13.555 min Scan# 4424
Delta R.T. -0.002 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 26
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.00 ug/l
RT: 14.212 min Scan# 4669
Delta R.T. -0.000 min
Lab File: VN066259.D
Acq: 18 Mar 2021 16:32

Tgt Ion: 75 Resp: 131
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#

