

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066722.D
 Acq On : 22 Apr 2021 18:11
 Operator : JC/MD
 Sample : M2090-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:37:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

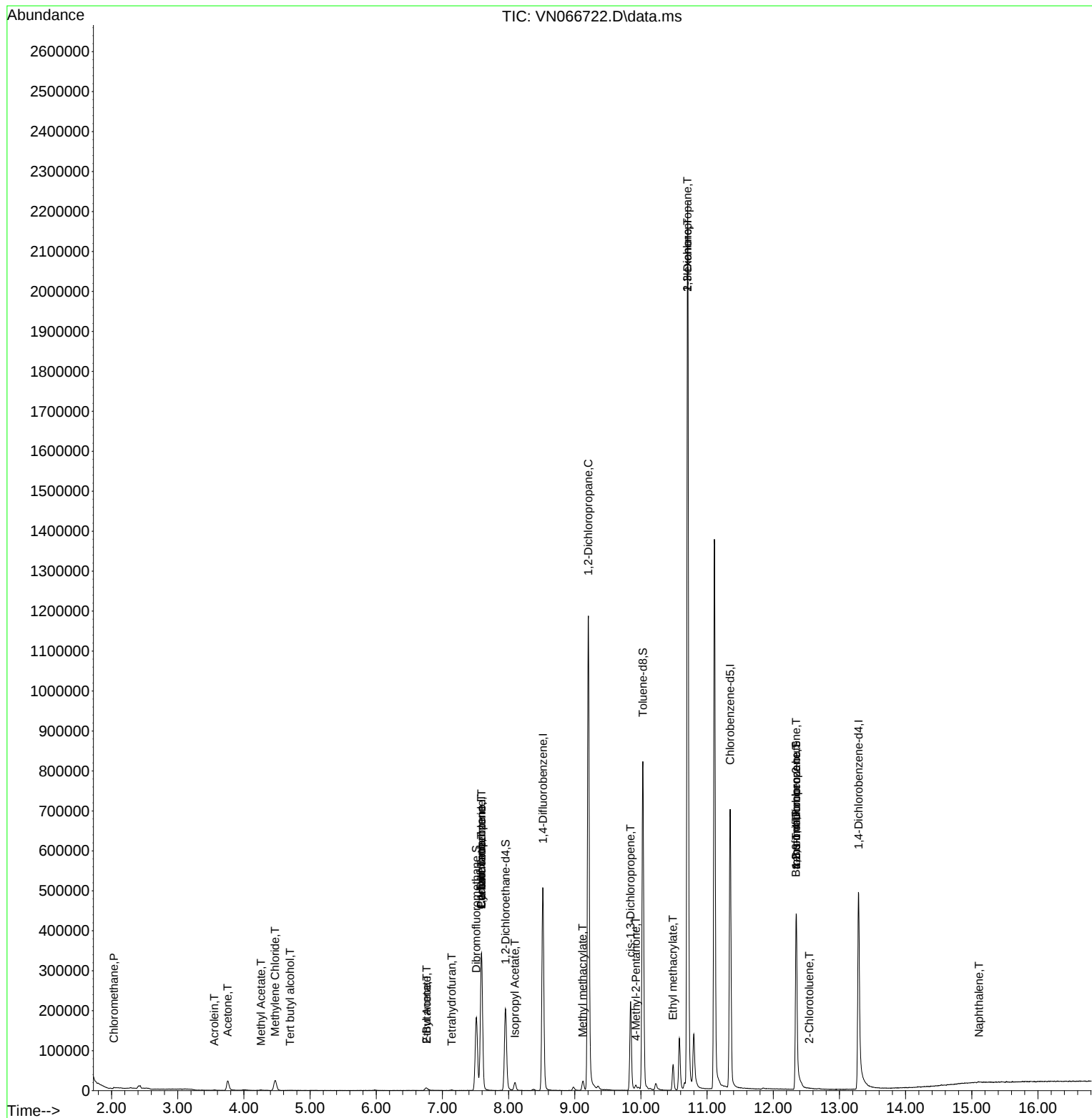
Internal Standards						
1) Pentafluorobenzene	7.591	168	305636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	469424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	432552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	174832	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	176869	47.37	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.74%		
35) Dibromofluoromethane	7.513	113	145555	49.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.04%		
50) Toluene-d8	10.029	98	582096	50.78	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.56%		
62) 4-Bromofluorobenzene	12.346	95	189695	48.32	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.64%		
Target Compounds					Qvalue	
3) Chloromethane	2.034	50	1212	0.25	ug/l #	86
11) Tert butyl alcohol	4.697	59	575	1.22	ug/l #	73
13) Acrolein	3.552	56	796	1.52	ug/l #	78
16) Acetone	3.756	43	40245	28.79	ug/l	95
18) Methyl Acetate	4.260	43	2509	0.65	ug/l #	60
20) Methylene Chloride	4.469	84	19262	4.63	ug/l	96
25) 2-Butanone	6.760	43	13559	6.76	ug/l	91
29) Tetrahydrofuran	7.140	42	1178	0.85	ug/l #	65
31) Cyclohexane	7.588	56	5842	0.96	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	20935	4.80	ug/l #	48
37) Ethyl Acetate	6.760	43	13559	2.96	ug/l #	68
38) Carbon Tetrachloride	7.591	117	26509	6.38	ug/l #	16
43) Isopropyl Acetate	8.095	43	25198	3.44	ug/l #	87
45) 1,2-Dichloropropane	9.203	63	1441	0.38	ug/l #	44
48) Methyl methacrylate	9.117	41	5961	1.86	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	6095	1.49	ug/l #	71
54) cis-1,3-Dichloropropene	9.844	75	42777	7.59	ug/l #	61
56) Ethyl methacrylate	10.485	69	360	3.21	ug/l #	1
57) 1,3-Dichloropropane	10.705	76	23148	4.21	ug/l #	43
59) 2-Hexanone	10.705	43	328966	116.55	ug/l #	50
71) Bromoform	12.343	173	1194	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	90810	24.27	ug/l #	100
79) 2-Chlorotoluene	12.545	91	52	0.94	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	90810	71.65	ug/l #	12
95) Naphthalene	15.108	128	3107	2.22	ug/l #	69

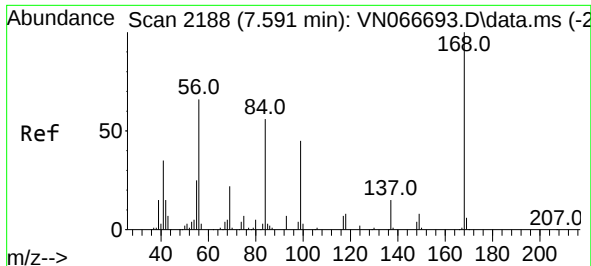
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

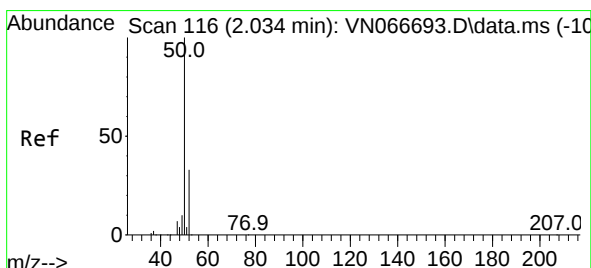
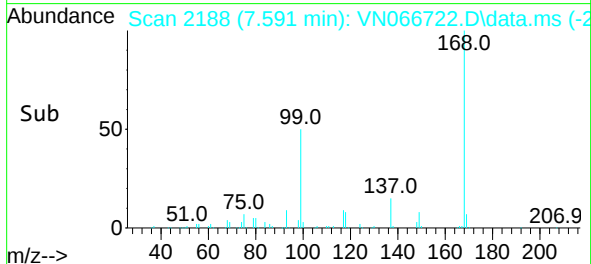
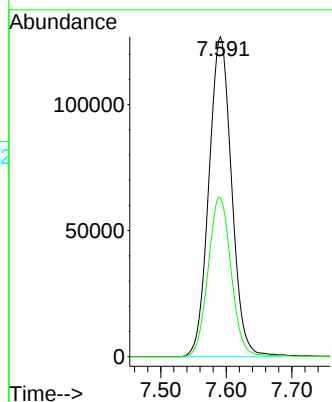
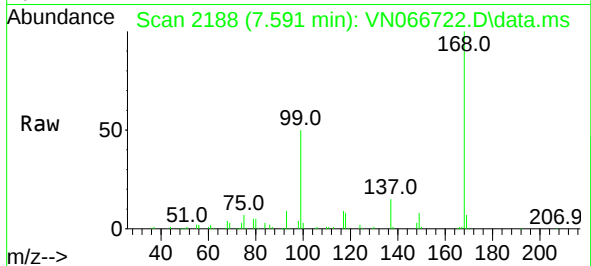




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

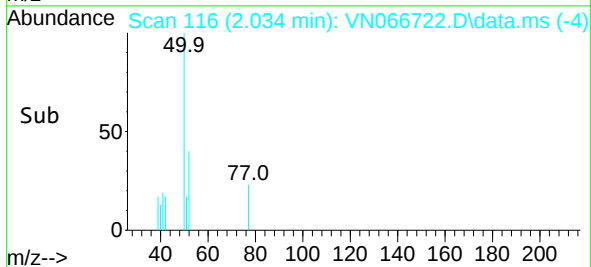
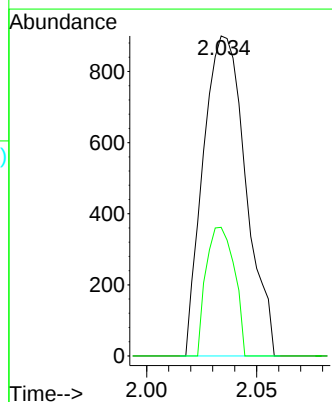
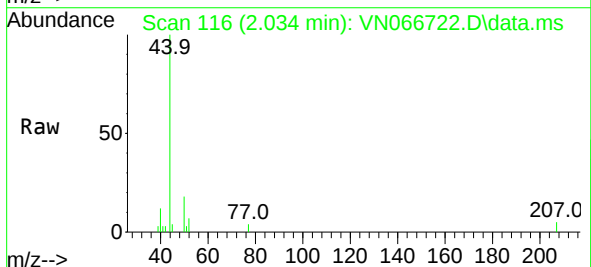
Instrument :
MSVOA_N
ClientSampled :

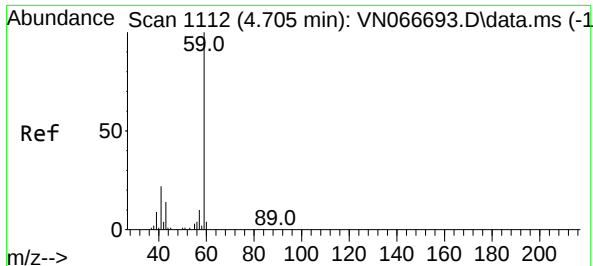
Tgt Ion:168 Resp: 305636
Ion Ratio Lower Upper
168 100
99 49.7 42.6 63.8



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.034 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Tgt Ion: 50 Resp: 1212
Ion Ratio Lower Upper
50 100
52 40.2 25.8 38.8#



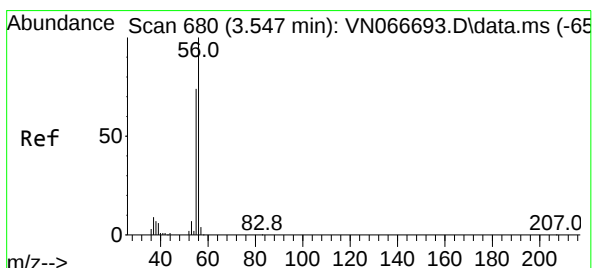
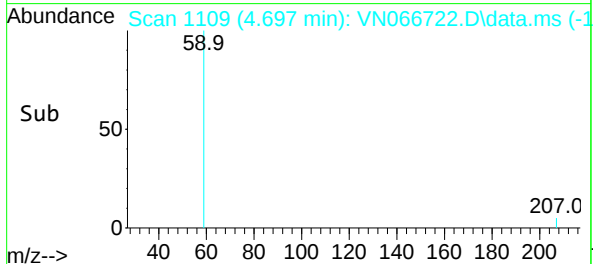
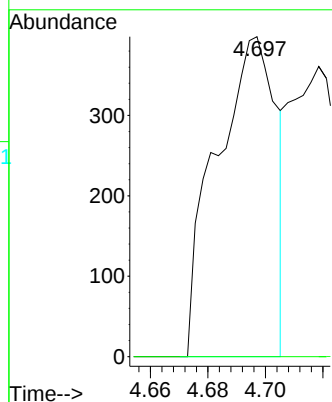
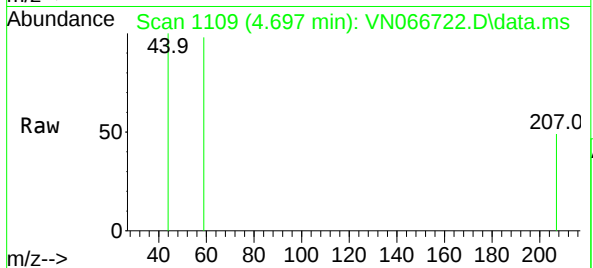


#11

Tert butyl alcohol
Concen: 1.22 ug/l
RT: 4.697 min Scan# 1109
Delta R.T. -0.008 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Instrument :
MSVOA_N
ClientSampled :

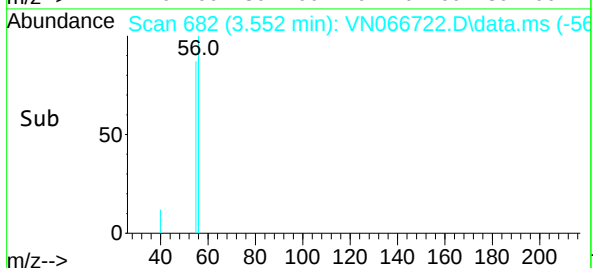
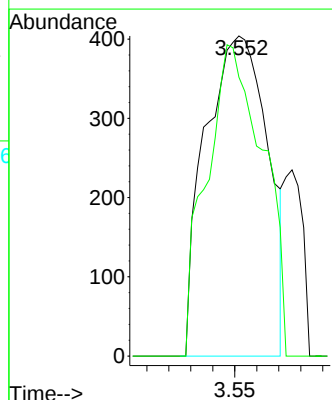
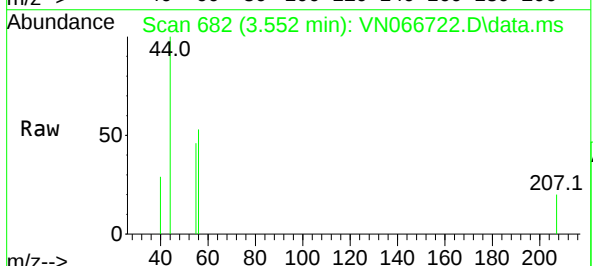
Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

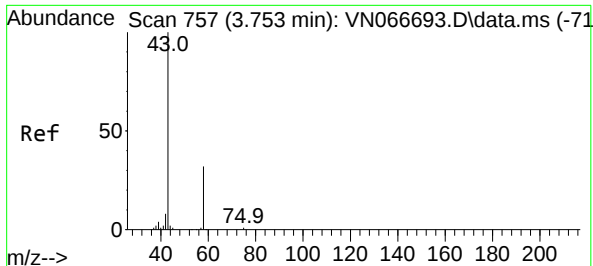


#13

Acrolein
Concen: 1.52 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.005 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Tgt Ion: 56 Resp: 796
Ion Ratio Lower Upper
56 100
55 88.2 56.0 84.0#

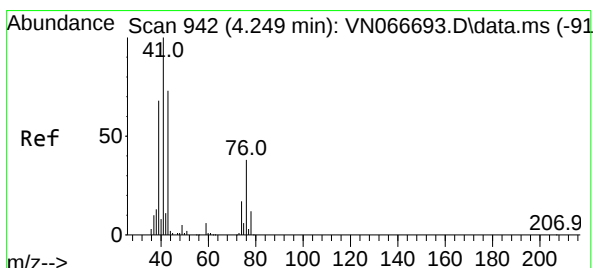
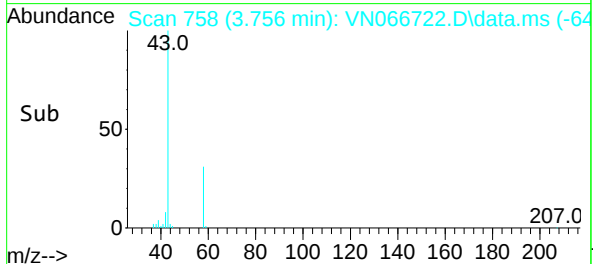
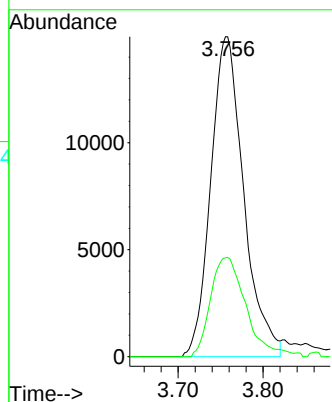
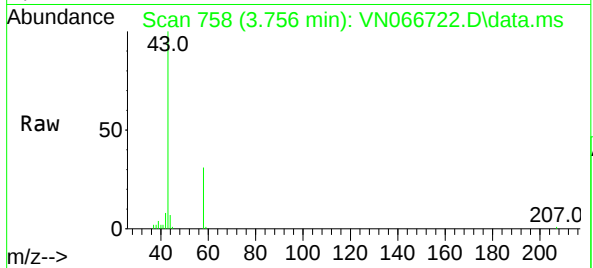




#16
Acetone
Concen: 28.79 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

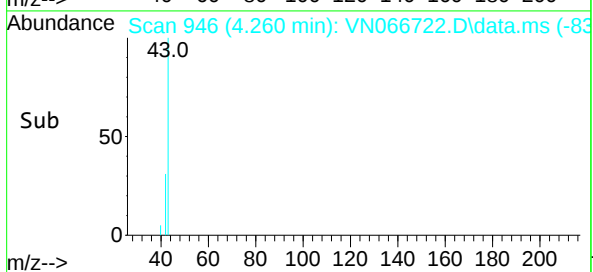
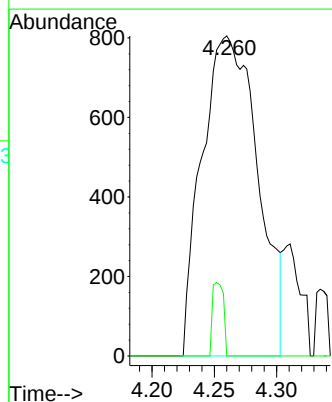
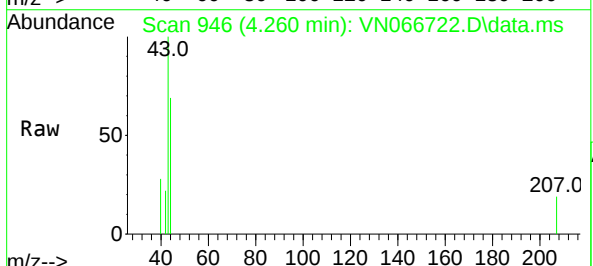
Instrument :
MSVOA_N
ClientSampled :

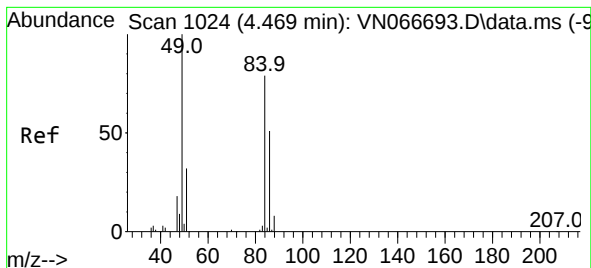
Tgt Ion: 43 Resp: 40245
Ion Ratio Lower Upper
43 100
58 30.9 27.0 40.6



#18
Methyl Acetate
Concen: 0.65 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.011 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Tgt Ion: 43 Resp: 2509
Ion Ratio Lower Upper
43 100
74 4.5 19.5 29.3#





#20

Methylene Chloride

Concen: 4.63 ug/l

RT: 4.469 min Scan# 1024

Delta R.T. 0.000 min

Lab File: VN066722.D

Acq: 22 Apr 2021 18:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 19262

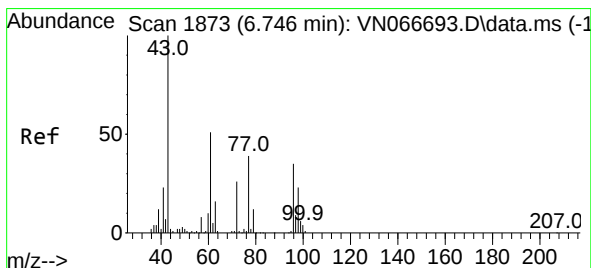
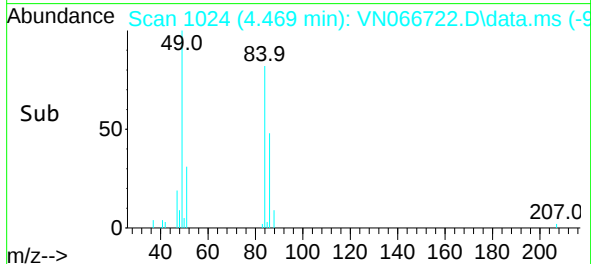
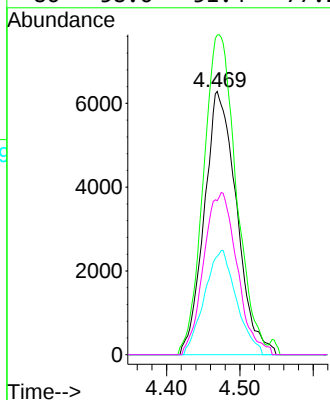
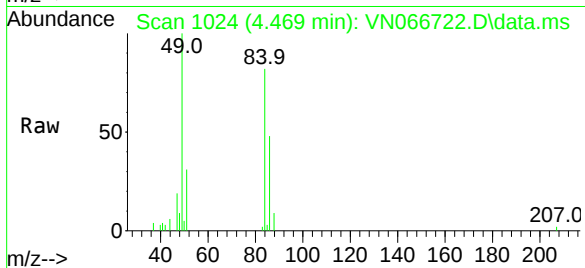
Ion Ratio Lower Upper

84 100

49 121.5 94.6 141.8

51 37.4 29.9 44.9

86 58.6 51.4 77.2



#25

2-Butanone

Concen: 6.76 ug/l

RT: 6.760 min Scan# 1878

Delta R.T. 0.013 min

Lab File: VN066722.D

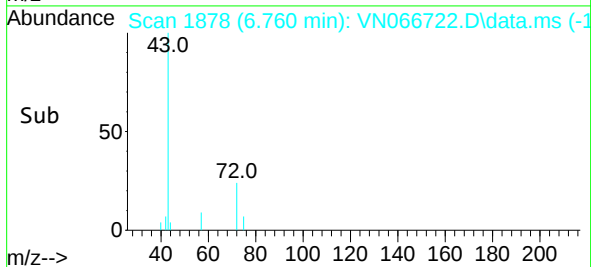
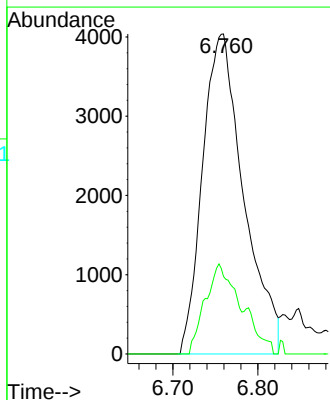
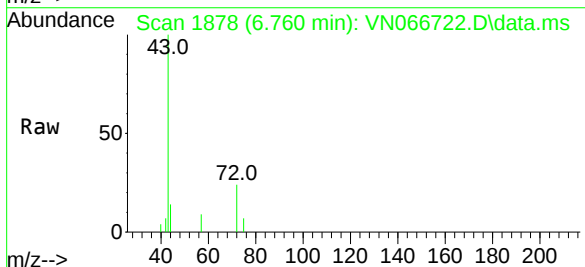
Acq: 22 Apr 2021 18:11

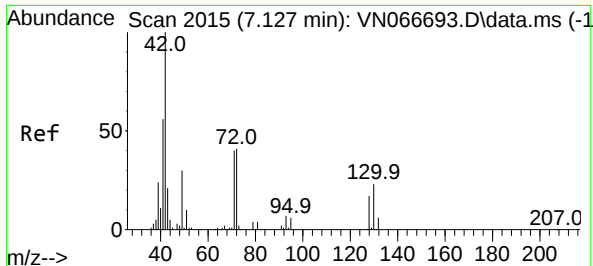
Tgt Ion: 43 Resp: 13559

Ion Ratio Lower Upper

43 100

72 24.2 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.85 ug/l

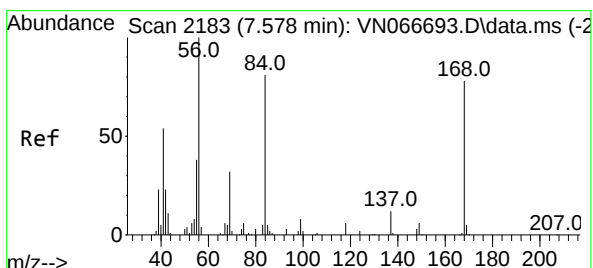
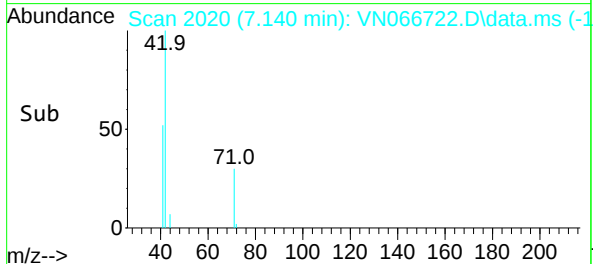
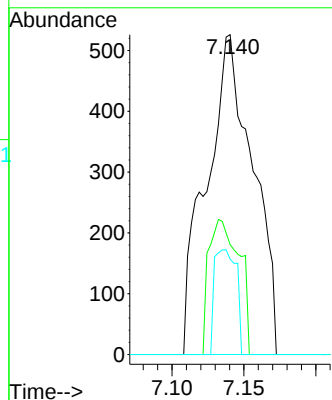
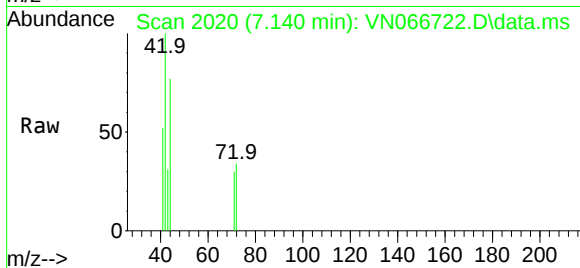
RT: 7.140 min Scan# 2020

Delta R.T. 0.013 min

Lab File: VN066722.D

Acq: 22 Apr 2021 18:11

Tgt Ion:	42	Resp:	1178
Ion	Ratio	Lower	Upper
42	100		
72	27.8	36.6	55.0#
71	15.4	34.3	51.5#



#31

Cyclohexane

Concen: 0.96 ug/l

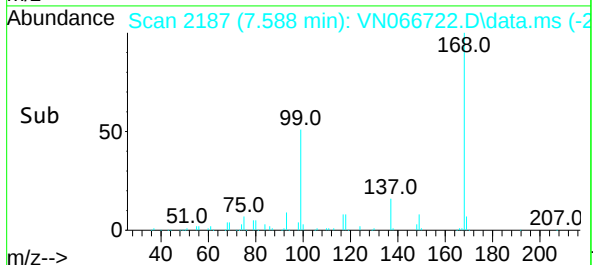
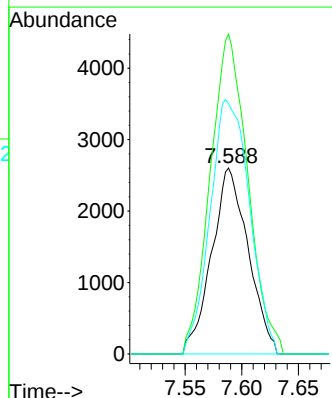
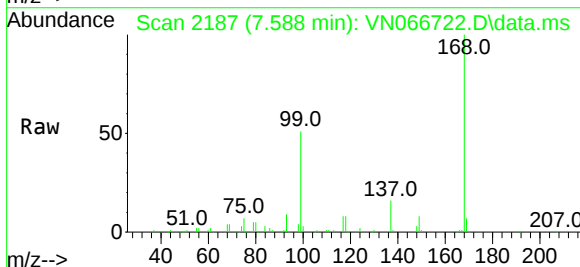
RT: 7.588 min Scan# 2187

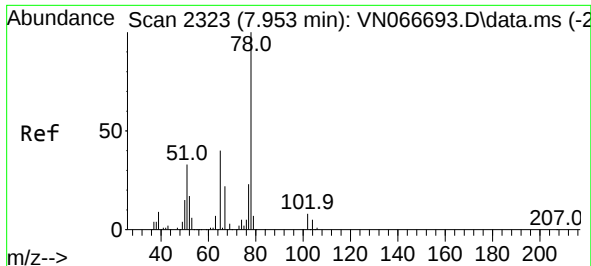
Delta R.T. 0.010 min

Lab File: VN066722.D

Acq: 22 Apr 2021 18:11

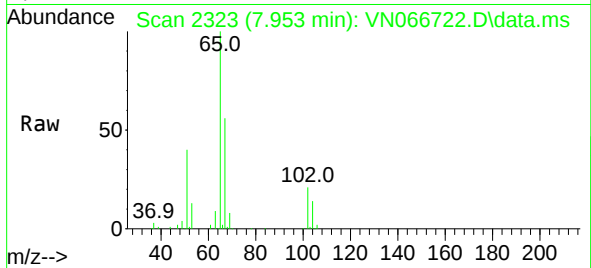
Tgt Ion:	56	Resp:	5842
Ion	Ratio	Lower	Upper
56	100		
69	172.1	26.6	39.8#
84	134.7	70.4	105.6#



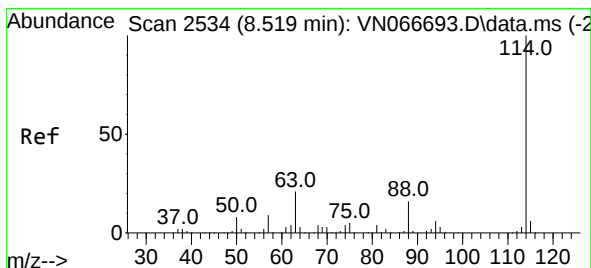
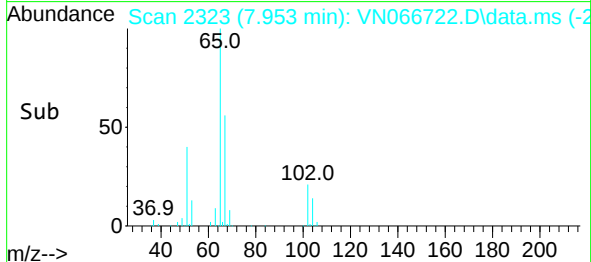
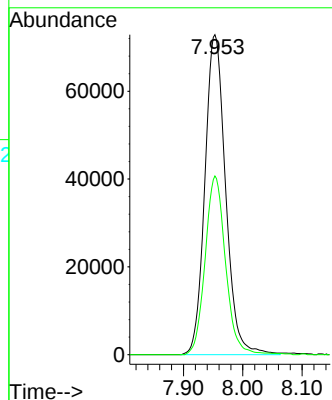


#33
 1,2-Dichloroethane-d4
 Concen: 47.37 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. -0.000 min
 Lab File: VN066722.D
 Acq: 22 Apr 2021 18:11

Instrument :
 MSVOA_N
 ClientSampled :

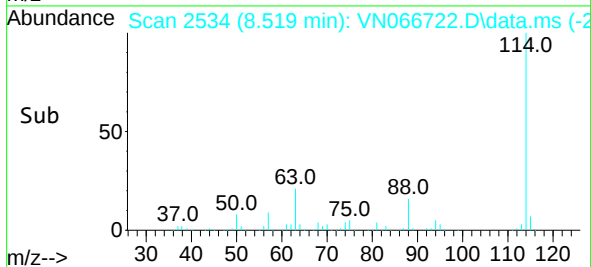
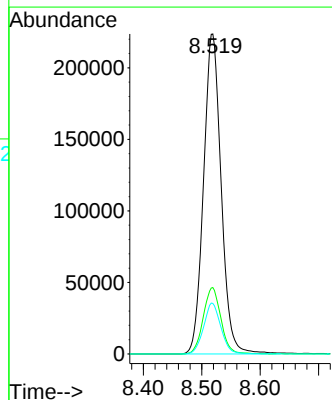
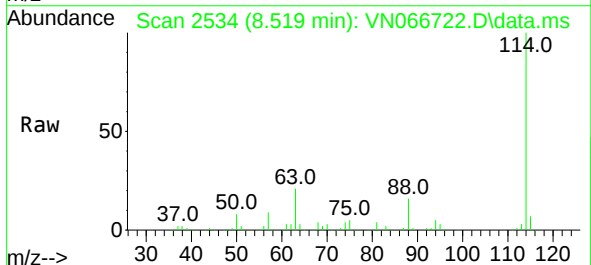


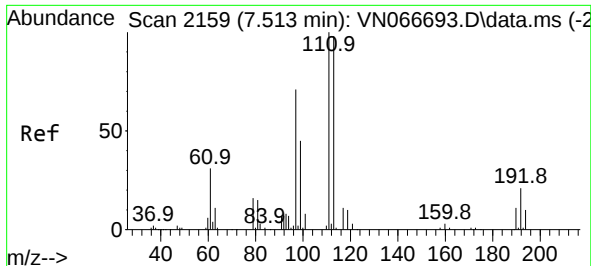
Tgt Ion: 65 Resp: 176869
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: VN066722.D
 Acq: 22 Apr 2021 18:11

Tgt Ion: 114 Resp: 469424
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.6
 88 15.8 0.0 30.6

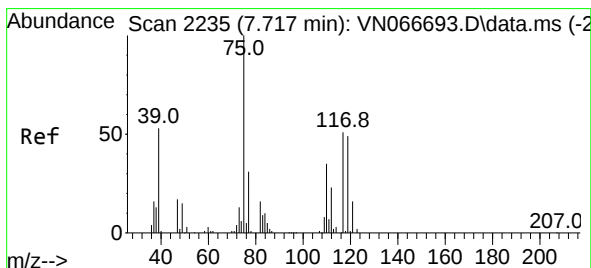
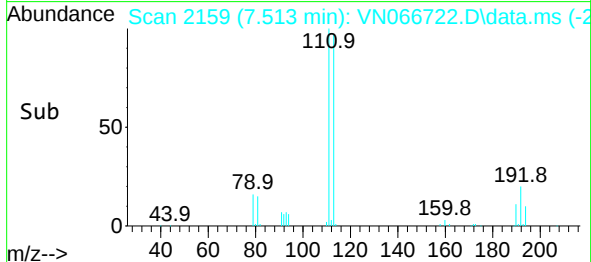
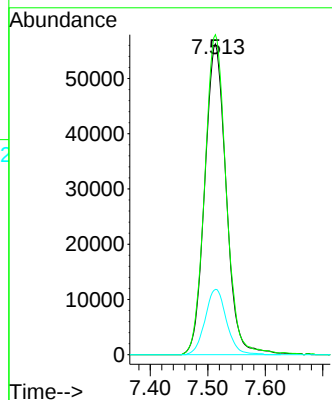
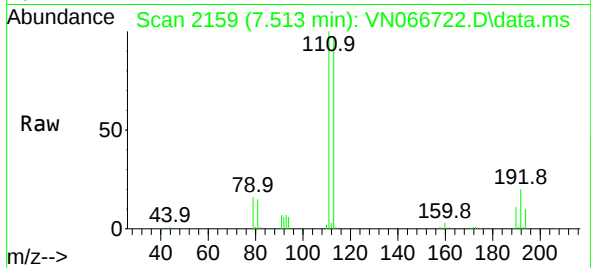




#35
Dibromofluoromethane
Concen: 49.52 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

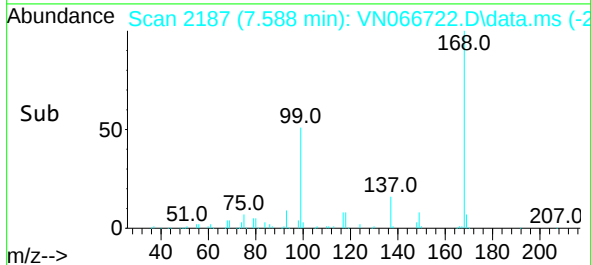
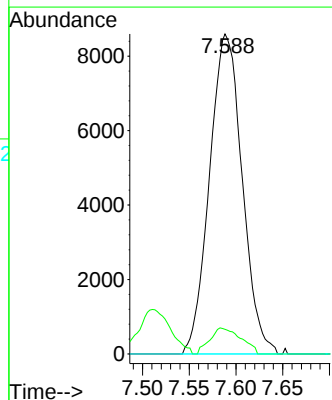
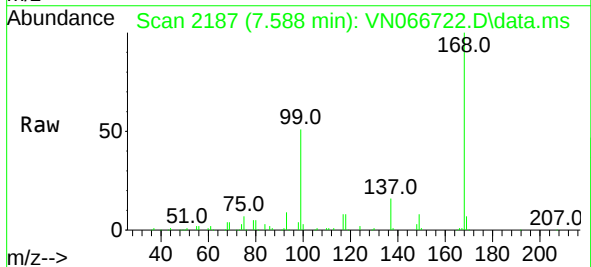
Instrument :
MSVOA_N
ClientSampleId :

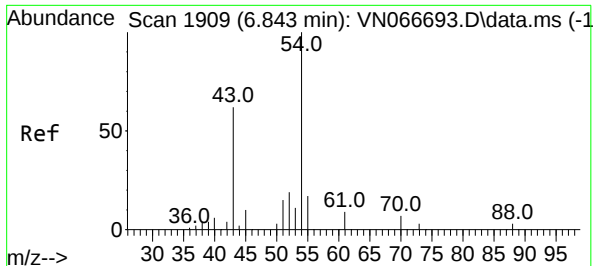
Tgt Ion:113 Resp: 145555
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 21.1 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.80 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Tgt Ion: 75 Resp: 20935
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.96 ug/l

RT: 6.760 min Scan# 1878

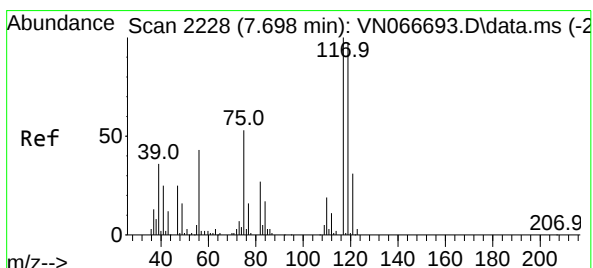
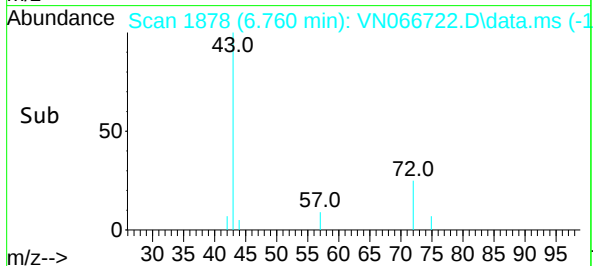
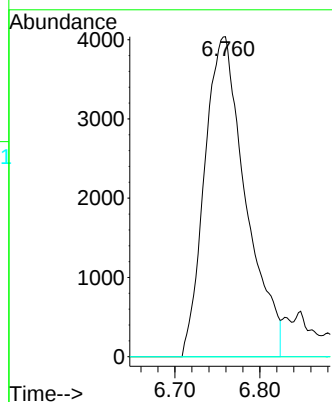
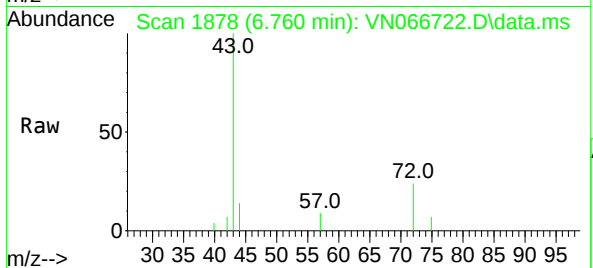
Delta R.T. -0.083 min

Lab File: VN066722.D

Acq: 22 Apr 2021 18:11

Tgt Ion:	43	Resp:	13559
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.38 ug/l

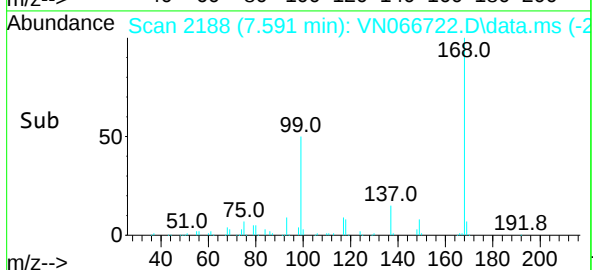
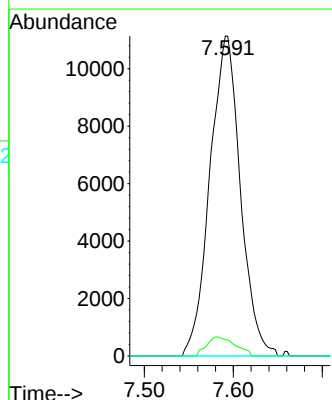
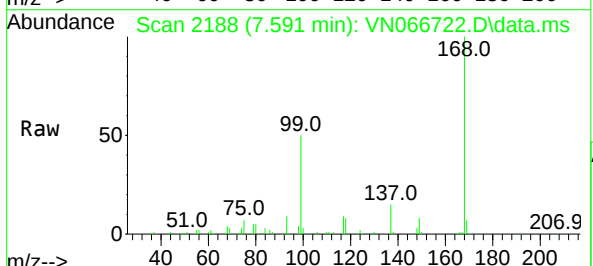
RT: 7.591 min Scan# 2188

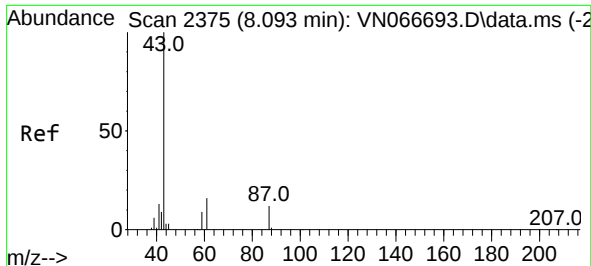
Delta R.T. -0.107 min

Lab File: VN066722.D

Acq: 22 Apr 2021 18:11

Tgt Ion:	117	Resp:	26509
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.0	114.0#
121	0.0	24.5	36.7#

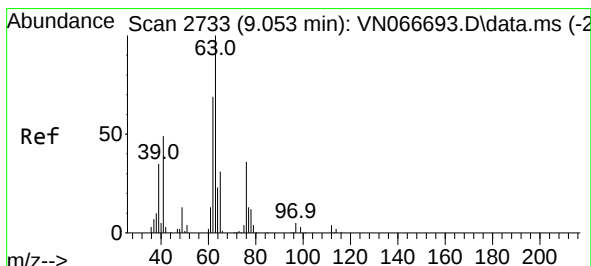
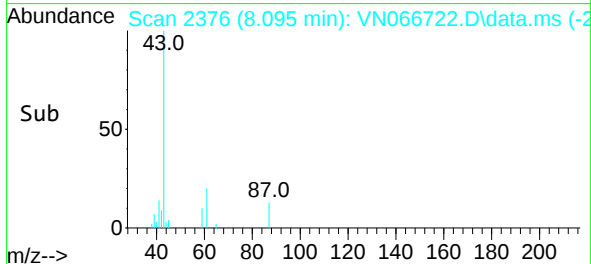
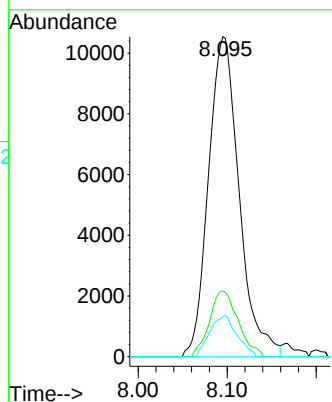
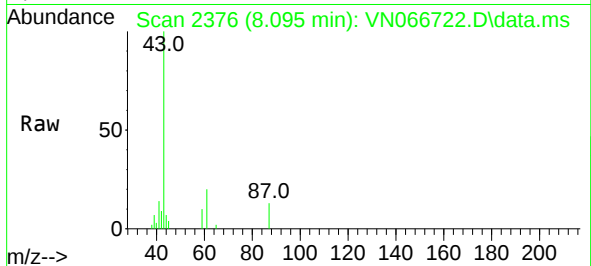




#43
Isopropyl Acetate
Concen: 3.44 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.002 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

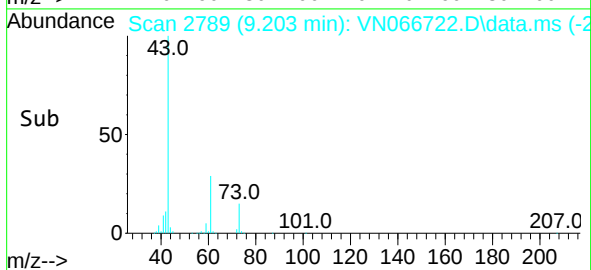
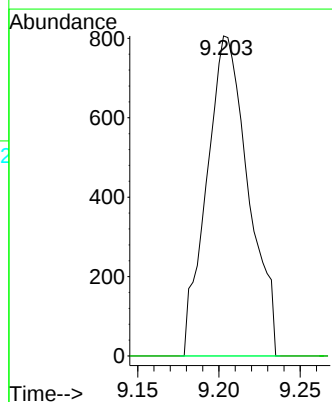
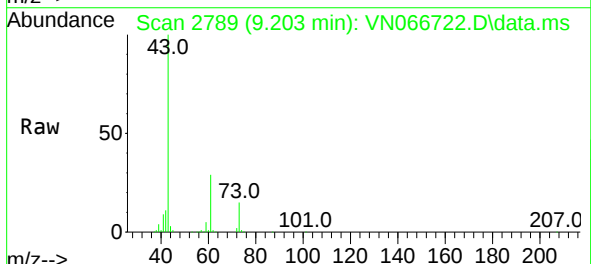
Instrument :
MSVOA_N
ClientSampleId :

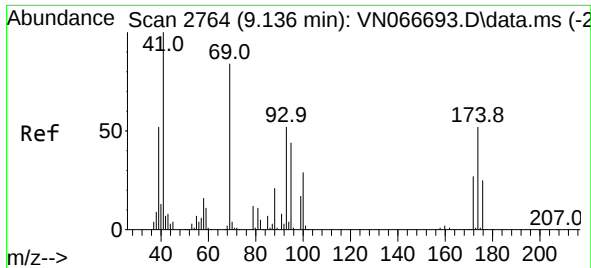
Tgt Ion: 43 Resp: 25198
Ion Ratio Lower Upper
43 100
61 19.3 22.5 33.7#
87 11.4 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.38 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Tgt Ion: 63 Resp: 1441
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

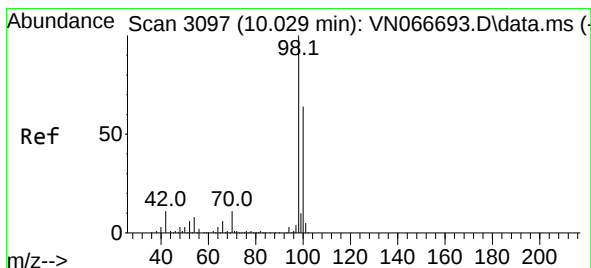
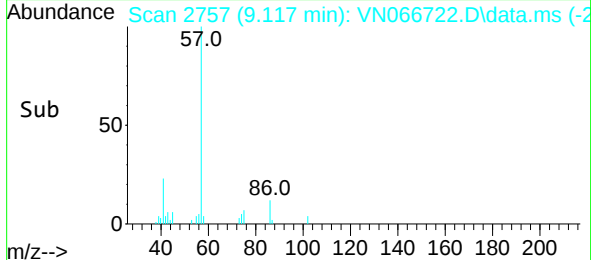
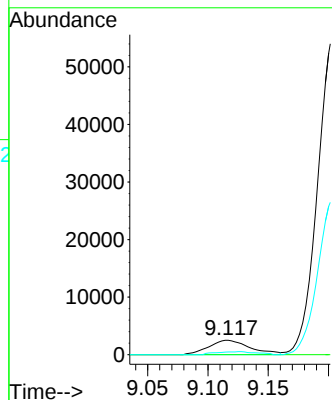
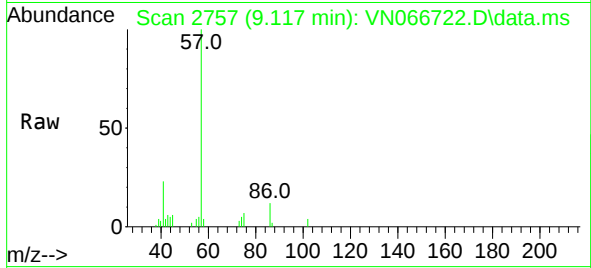




#48
Methyl methacrylate
Concen: 1.86 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

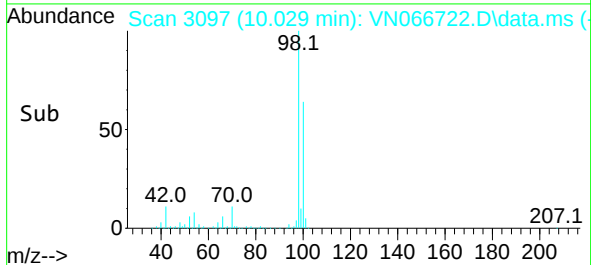
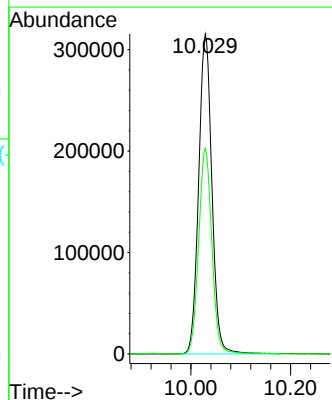
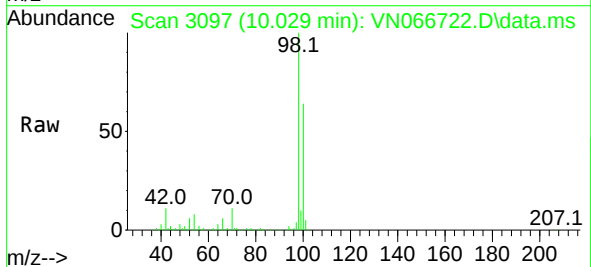
Instrument :
MSVOA_N
ClientSampleId :

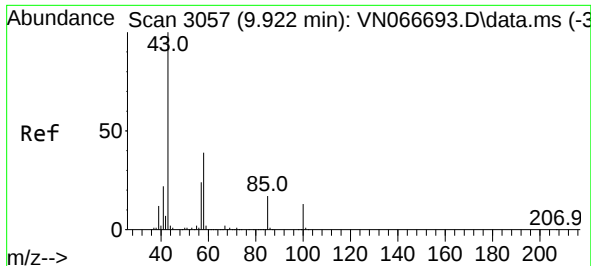
Tgt Ion: 41 Resp: 5961
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 50.78 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Tgt Ion: 98 Resp: 582096
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

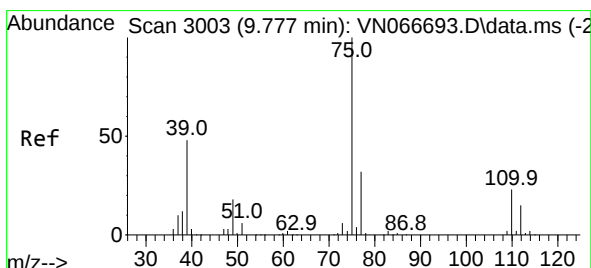
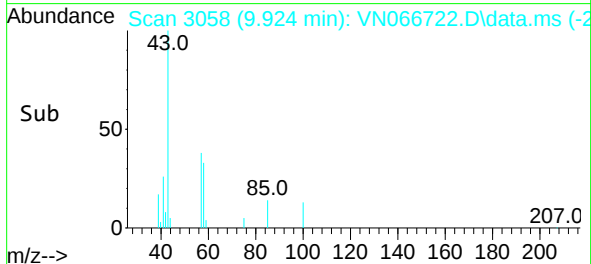
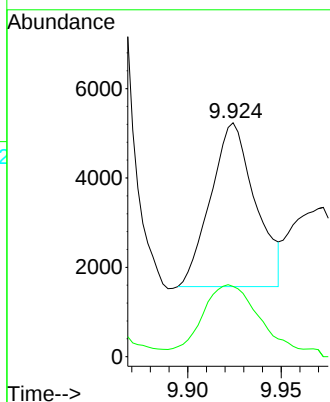
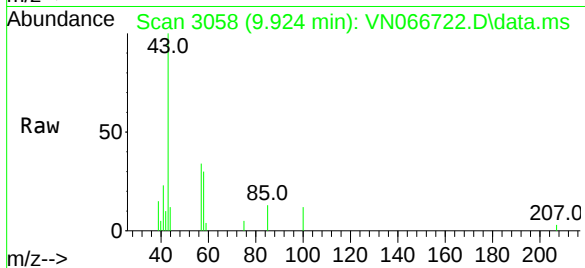




#51
4-Methyl-2-Pentanone
Concen: 1.49 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

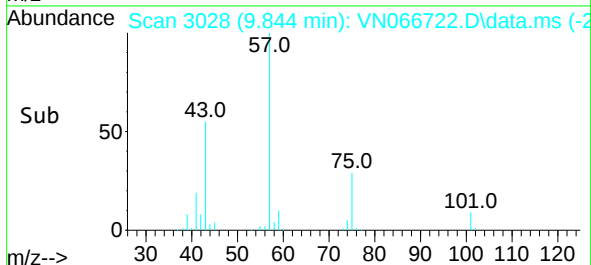
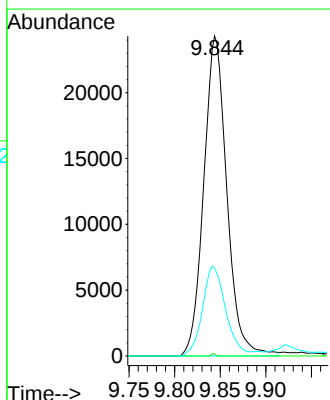
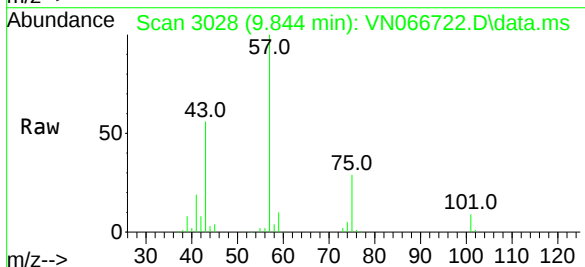
Instrument :
MSVOA_N
ClientSampled :

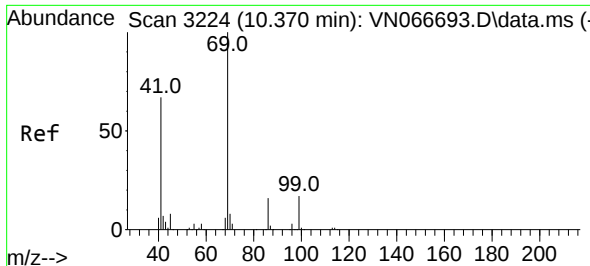
Tgt Ion: 43 Resp: 6095
Ion Ratio Lower Upper
43 100
58 58.9 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 7.59 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Tgt Ion: 75 Resp: 42777
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 27.4 36.2 54.4#

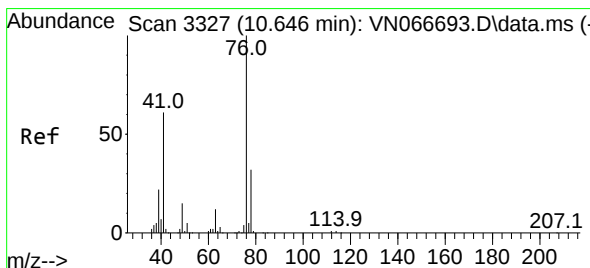
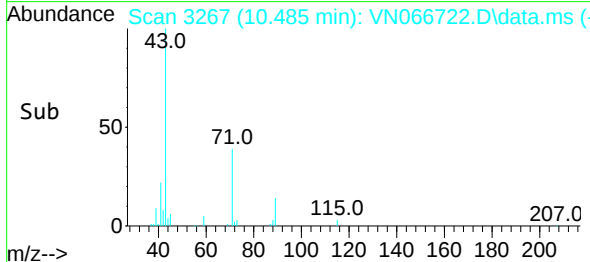
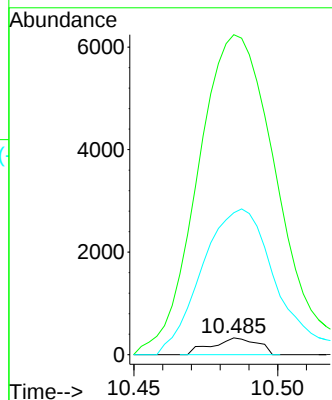
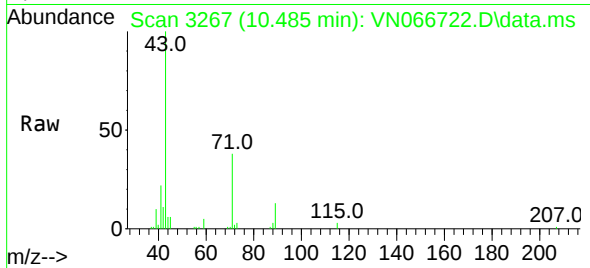




#56
Ethyl methacrylate
Concen: 3.21 ug/l
RT: 10.485 min Scan# 3267
Delta R.T. 0.115 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

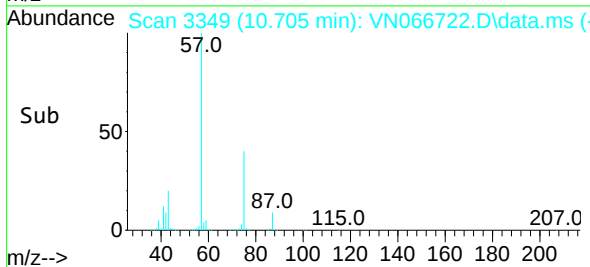
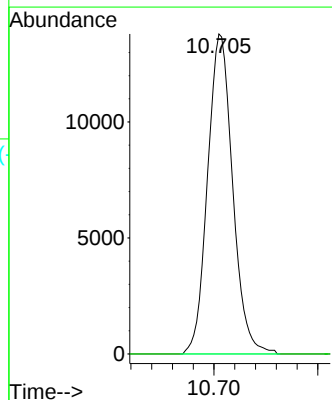
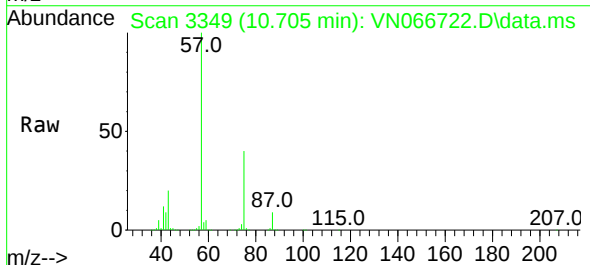
Instrument :
MSVOA_N
ClientSampled :

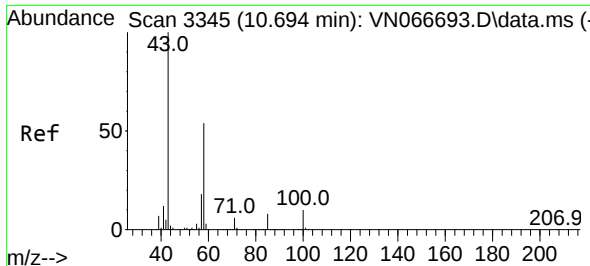
Tgt Ion: 69 Resp: 360
Ion Ratio Lower Upper
69 100
41 3373.9 49.6 74.4#
39 1428.6 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.21 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

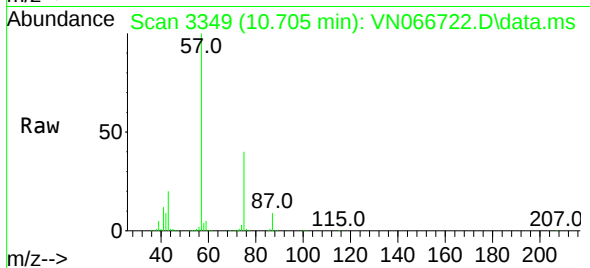
Tgt Ion: 76 Resp: 23148
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



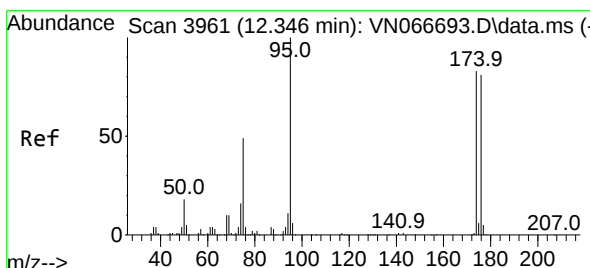
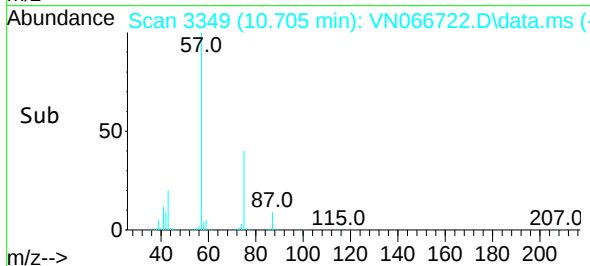
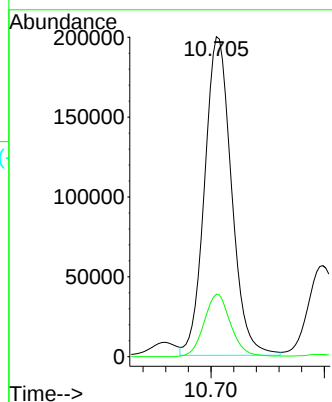


#59
2-Hexanone
Concen: 116.55 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Instrument :
MSVOA_N
ClientSampleId :

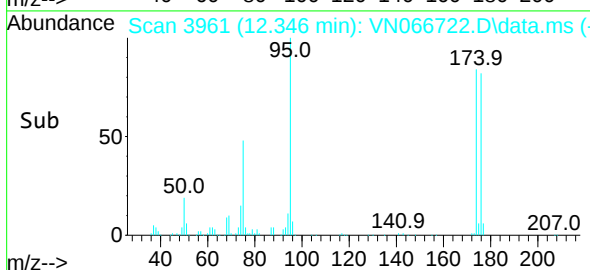
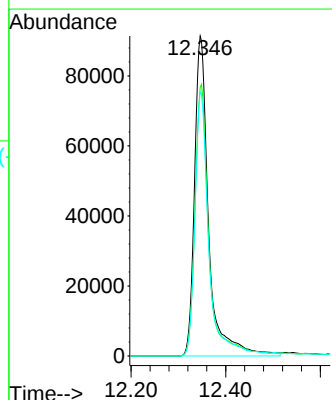
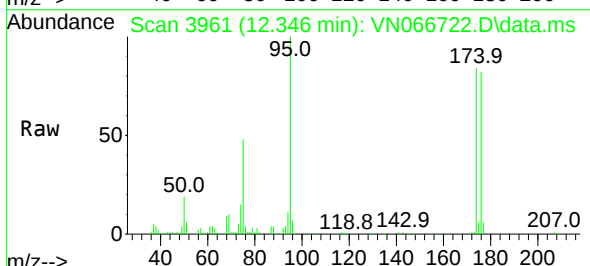


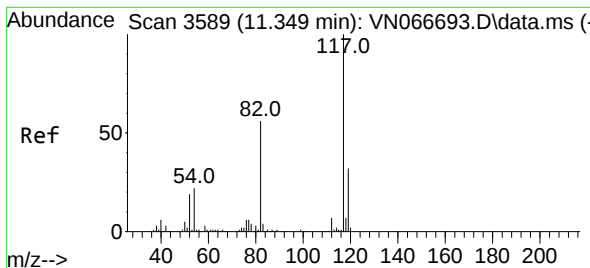
Tgt Ion: 43 Resp: 328966
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 48.32 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Tgt Ion: 95 Resp: 189695
Ion Ratio Lower Upper
95 100
174 83.8 0.0 169.0
176 80.3 0.0 162.4

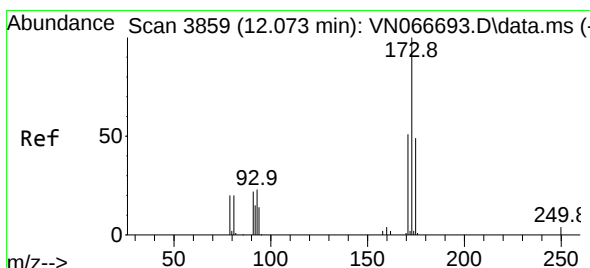
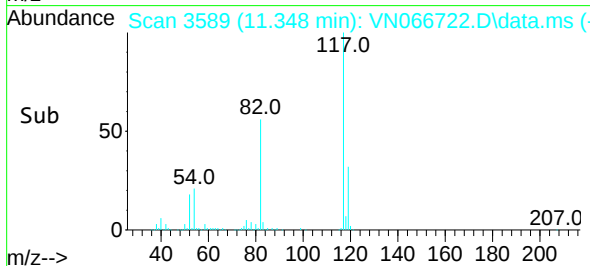
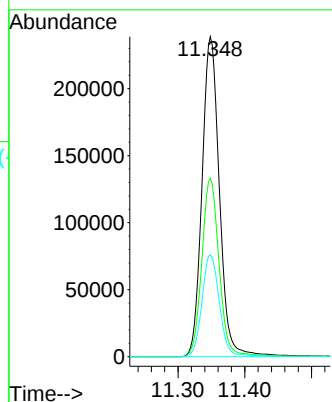
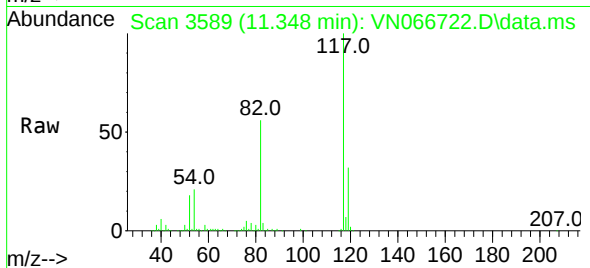




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

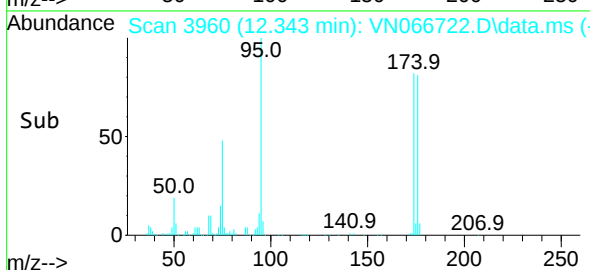
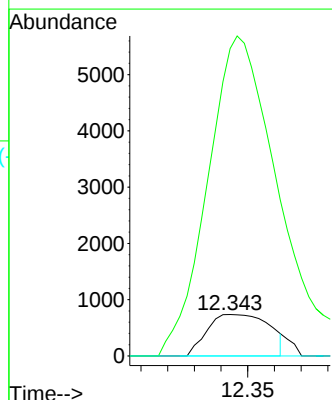
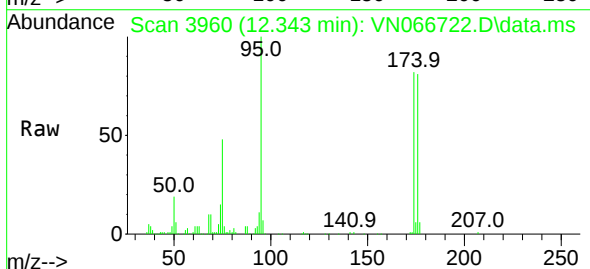
Instrument :
MSVOA_N
ClientSampleId :

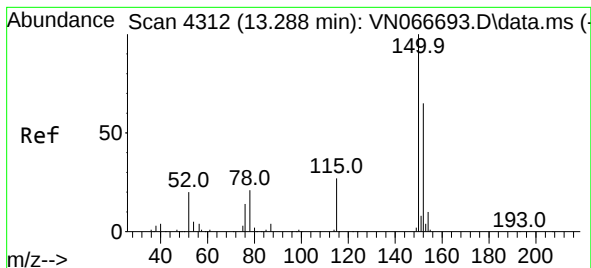
Tgt Ion:117 Resp: 432552
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 31.8 26.1 39.1



#71
Bromoform
Concen: 0.49 ug/l
RT: 12.343 min Scan# 3960
Delta R.T. 0.270 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Tgt Ion:173 Resp: 1194
Ion Ratio Lower Upper
173 100
175 746.5 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. 0.002 min

Lab File: VN066722.D

Acq: 22 Apr 2021 18:11

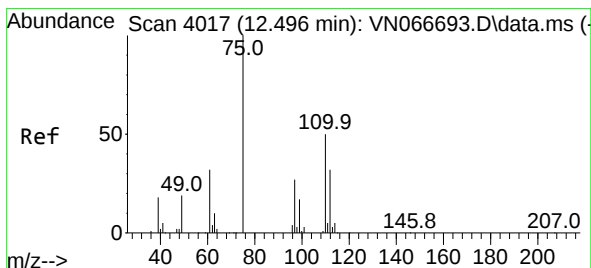
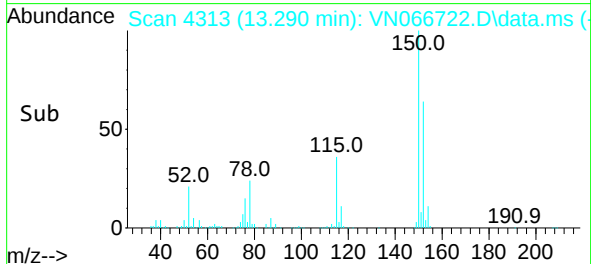
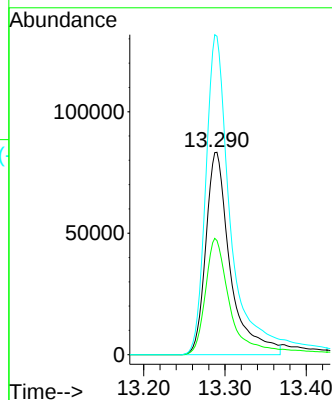
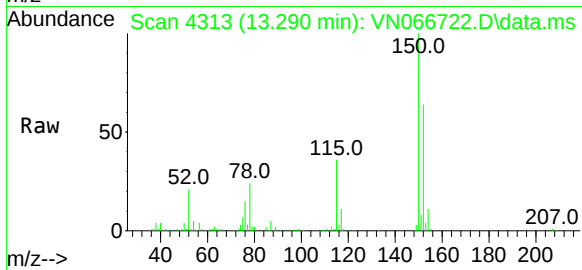
Tgt Ion:152 Resp: 174832

Ion Ratio Lower Upper

152 100

115 60.2 28.5 85.6

150 170.2 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 24.27 ug/l

RT: 12.346 min Scan# 3961

Delta R.T. -0.150 min

Lab File: VN066722.D

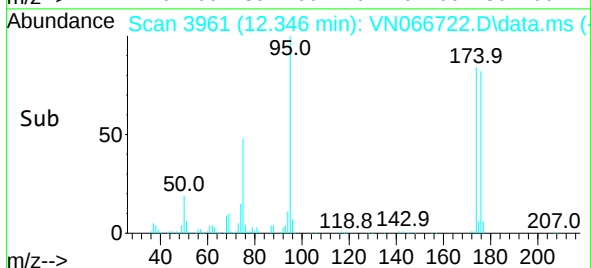
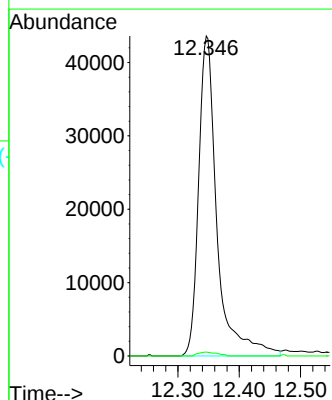
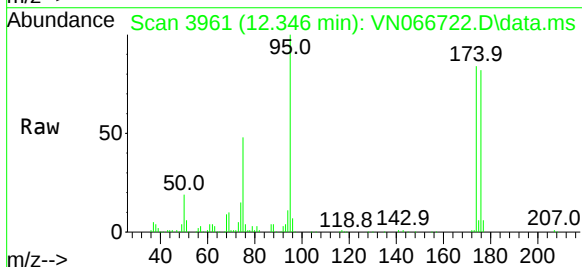
Acq: 22 Apr 2021 18:11

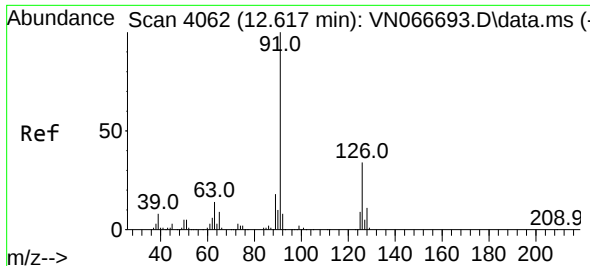
Tgt Ion: 75 Resp: 90810

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

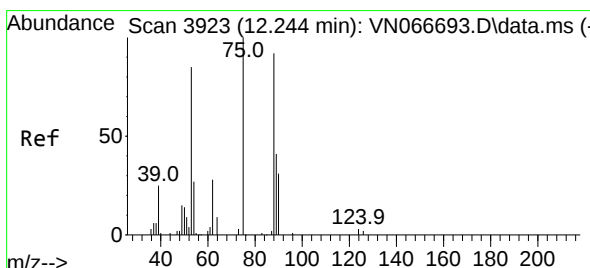
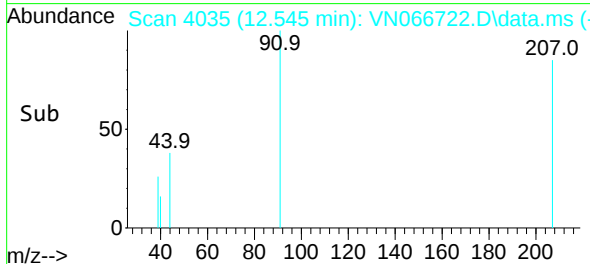
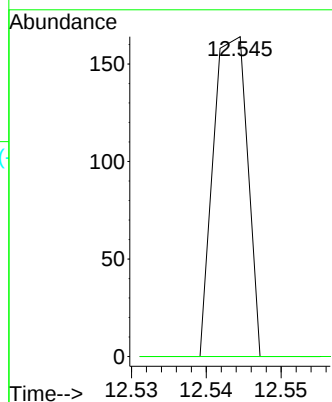
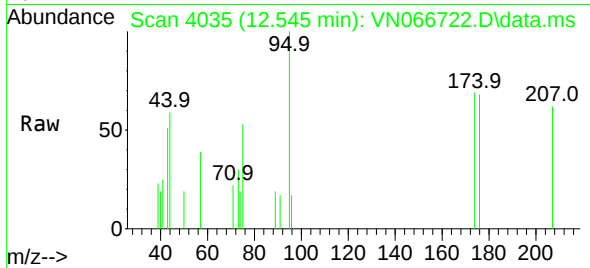




#79
2-Chlorotoluene
Concen: 0.94 ug/l
RT: 12.545 min Scan# 4035
Delta R.T. -0.072 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

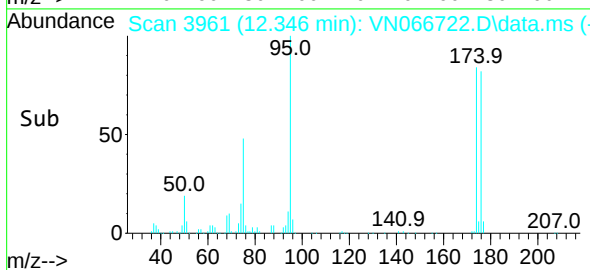
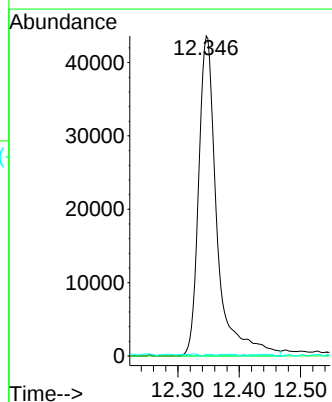
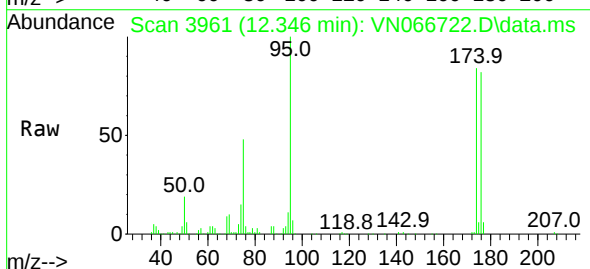
Instrument :
MSVOA_N
ClientSampled :

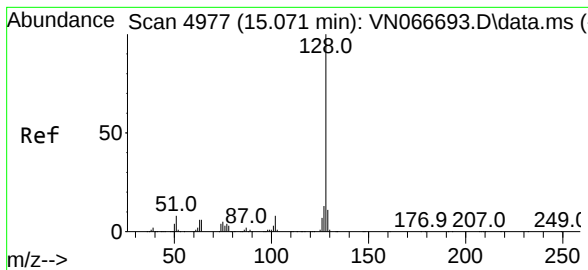
Tgt Ion: 91 Resp: 52
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.65 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

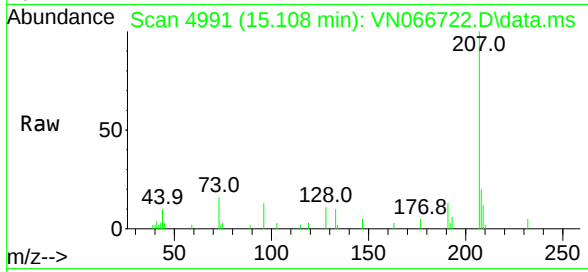
Tgt Ion: 75 Resp: 90810
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#





#95
Naphthalene
Concen: 2.22 ug/l
RT: 15.108 min Scan# 4991
Delta R.T. 0.037 min
Lab File: VN066722.D
Acq: 22 Apr 2021 18:11

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	3107
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

