

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
 Data File : VN066792.D
 Acq On : 27 Apr 2021 19:37
 Operator : JC/MD
 Sample : M2176-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 08:13:38 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)

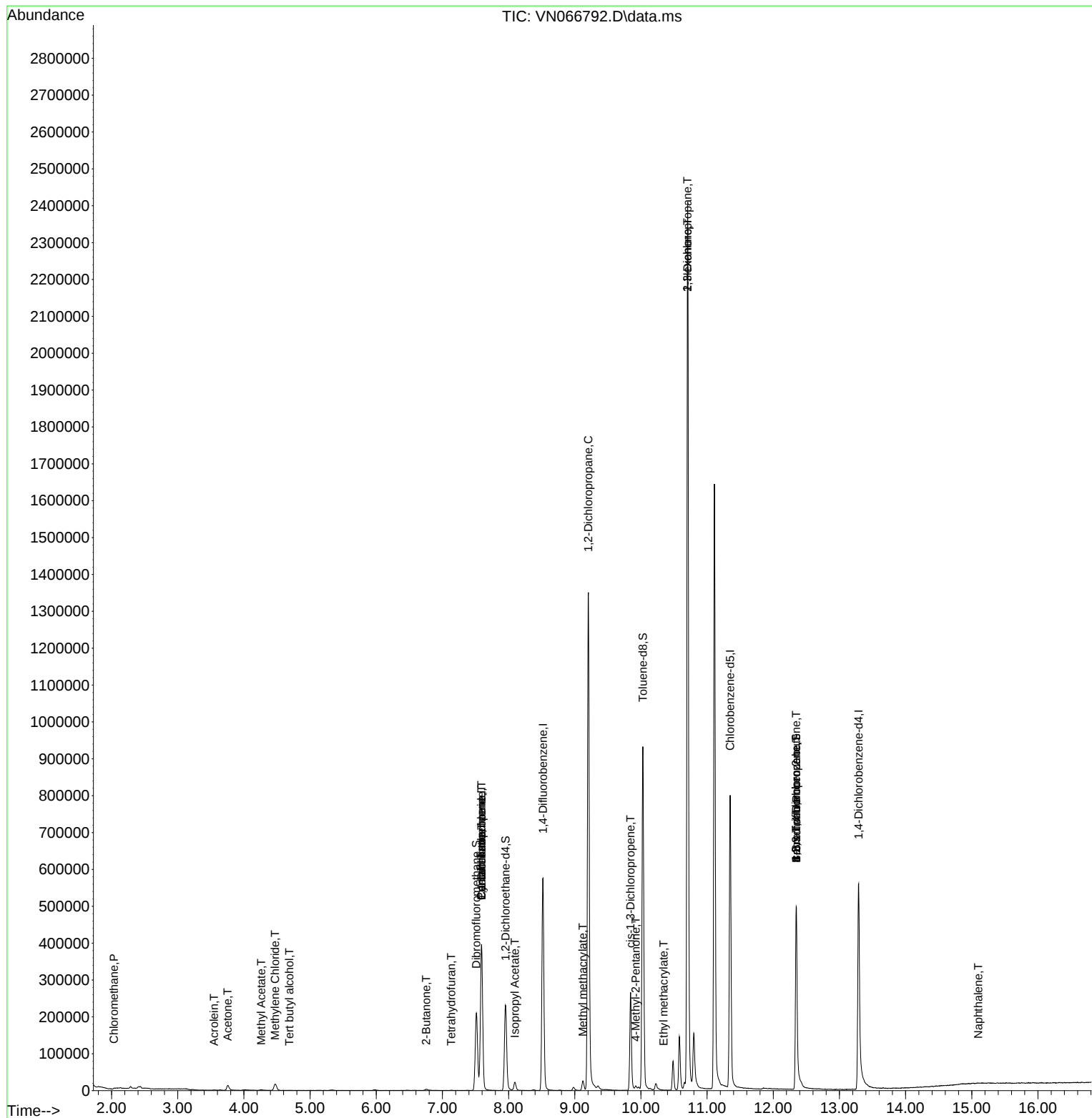
Internal Standards						
1) Pentafluorobenzene	7.591	168	345206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	537557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	488123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	202176	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	207848	46.86	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.72%		
35) Dibromofluoromethane	7.513	113	168068	50.65	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.30%		
50) Toluene-d8	10.029	98	659943	50.67	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.34%		
62) 4-Bromofluorobenzene	12.346	95	207666	47.12	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.24%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1233	0.25	ug/l #	88
11) Tert butyl alcohol	4.689	59	190	0.28	ug/l #	73
13) Acrolein	3.549	56	781	1.37	ug/l #	43
16) Acetone	3.756	43	23105	13.81	ug/l	95
18) Methyl Acetate	4.263	43	3330	1.84	ug/l #	72
20) Methylene Chloride	4.469	84	13583	3.20	ug/l	99
25) 2-Butanone	6.754	43	6969	2.96	ug/l #	88
29) Tetrahydrofuran	7.132	42	431	0.27	ug/l #	32
31) Cyclohexane	7.591	56	6003	0.88	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	24680	4.94	ug/l #	48
38) Carbon Tetrachloride	7.591	117	30563	6.38	ug/l #	16
43) Isopropyl Acetate	8.095	43	28729	3.41	ug/l #	88
45) 1,2-Dichloropropane	9.203	63	1811	0.44	ug/l #	44
48) Methyl methacrylate	9.120	41	6657	1.81	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	8307	1.81	ug/l	94
54) cis-1,3-Dichloropropene	9.844	75	50709	7.98	ug/l #	60
56) Ethyl methacrylate	10.343	69	54	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	25599	4.18	ug/l #	43
59) 2-Hexanone	10.705	43	352538	109.68	ug/l #	50
71) Bromoform	12.349	173	1190	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	104941	24.63	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	104941	66.13	ug/l #	12
95) Naphthalene	15.098	128	1904	0.21	ug/l #	69

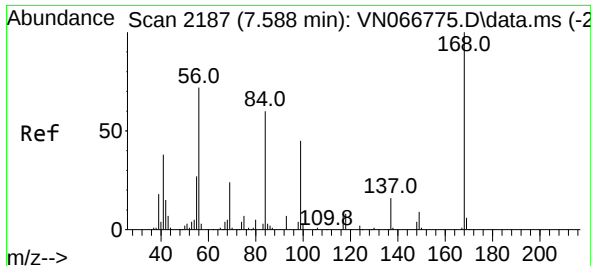
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

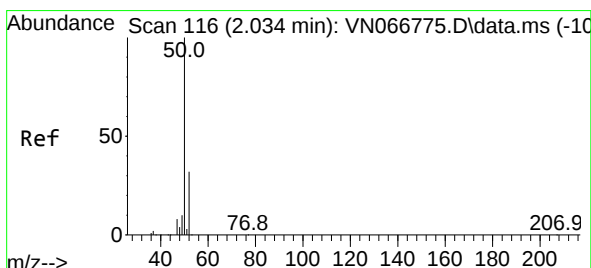
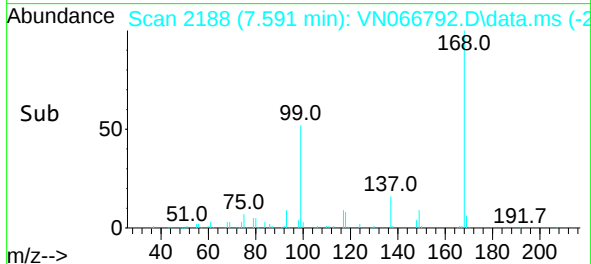
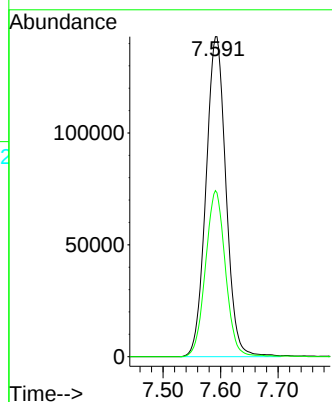
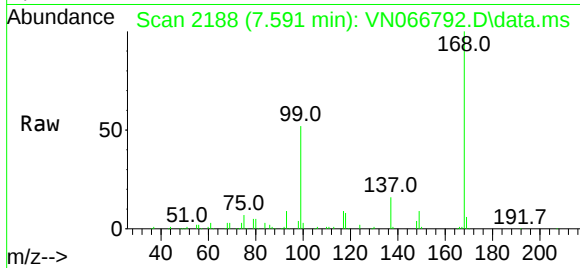




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

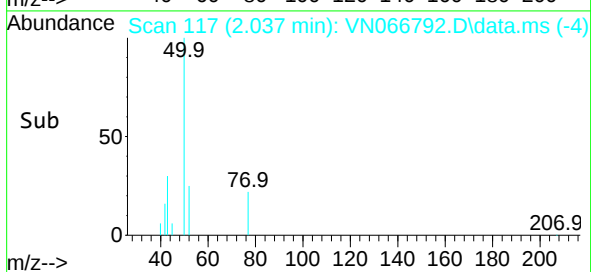
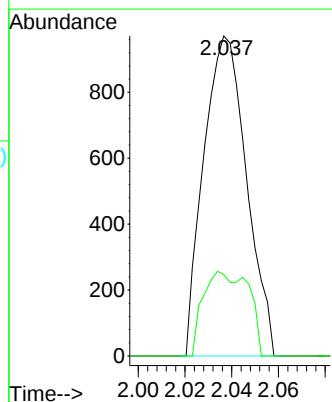
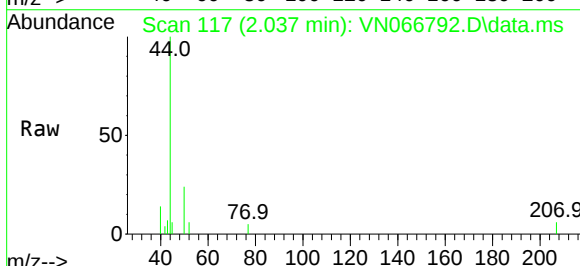
Instrument :
MSVOA_N
ClientSampleId :

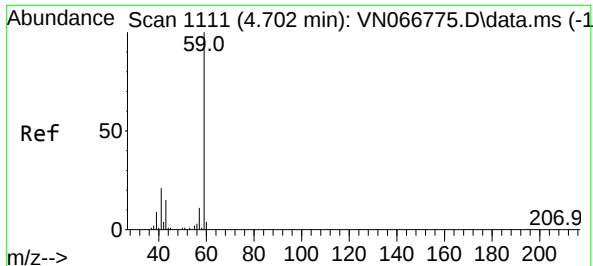
Tgt Ion:168 Resp: 345206
Ion Ratio Lower Upper
168 100
99 51.9 42.6 63.8



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Tgt Ion: 50 Resp: 1233
Ion Ratio Lower Upper
50 100
52 25.4 25.8 38.8#

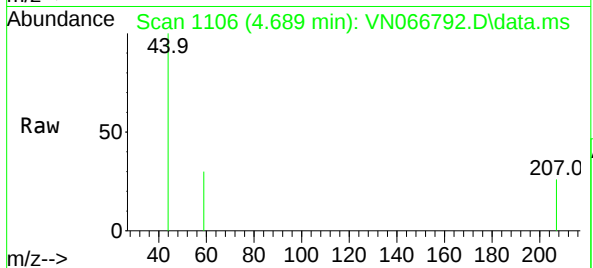




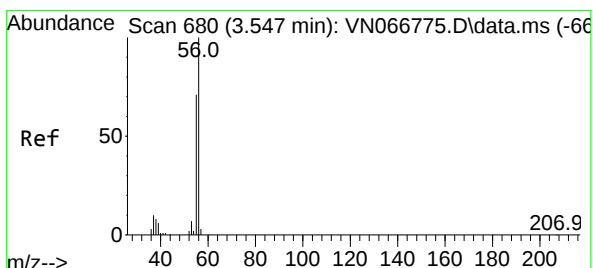
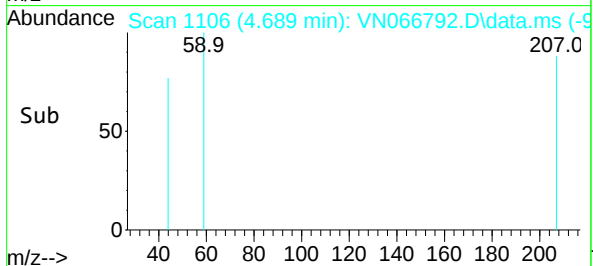
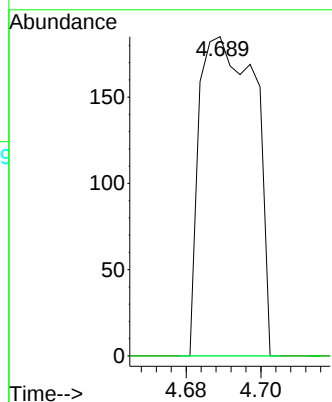
#11

Tert butyl alcohol
Concen: 0.28 ug/l
RT: 4.689 min Scan# 1106
Delta R.T. -0.013 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Instrument :
MSVOA_N
ClientSampled :



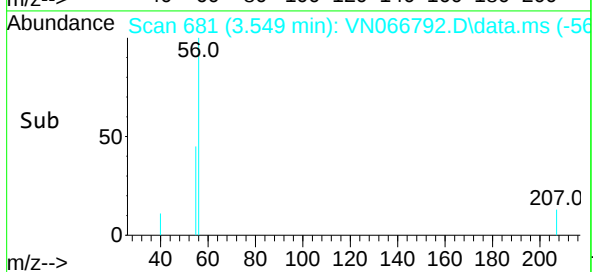
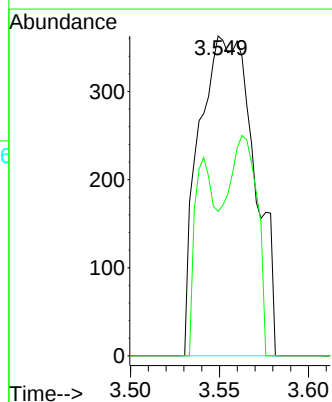
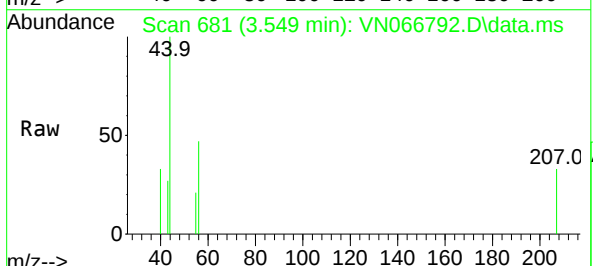
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

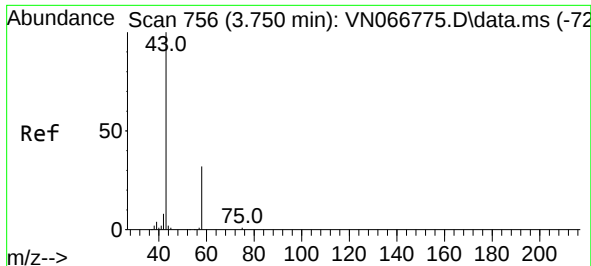


#13

Acrolein
Concen: 1.37 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.002 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Tgt Ion: 56 Resp: 781
Ion Ratio Lower Upper
56 100
55 23.6 56.0 84.0#

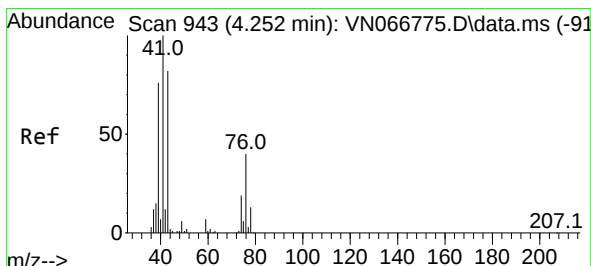
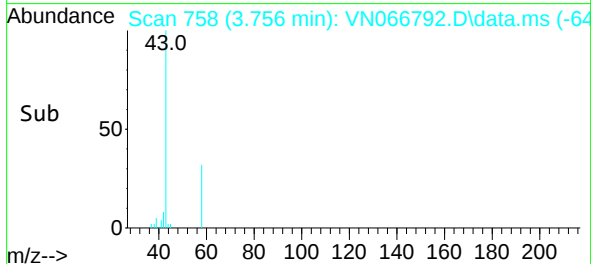
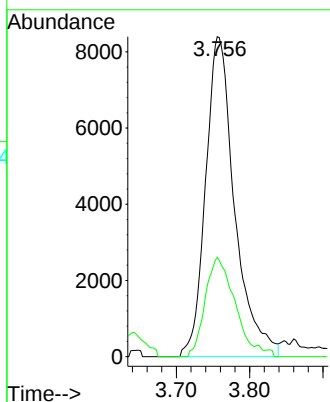
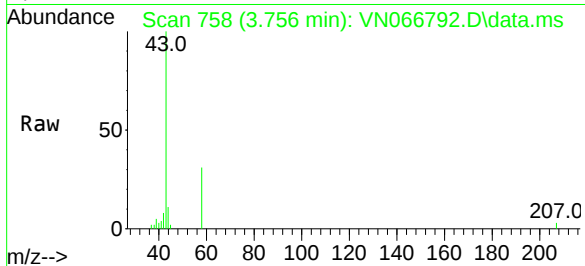




#16
Acetone
Concen: 13.81 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.006 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

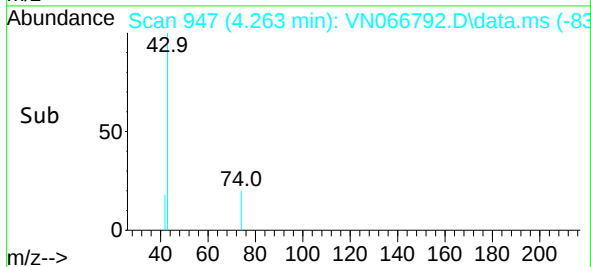
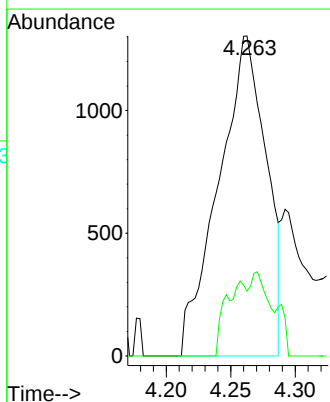
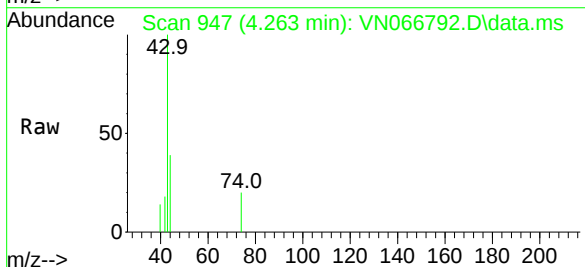
Instrument :
MSVOA_N
ClientSampled :

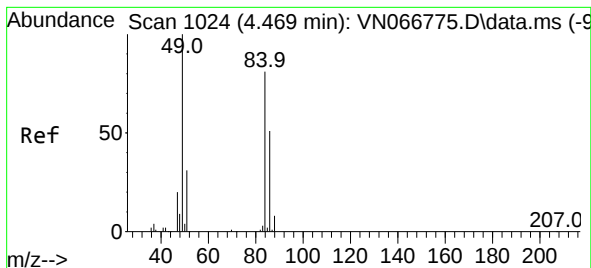
Tgt Ion: 43 Resp: 23105
Ion Ratio Lower Upper
43 100
58 31.0 27.0 40.6



#18
Methyl Acetate
Concen: 1.84 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.011 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Tgt Ion: 43 Resp: 3330
Ion Ratio Lower Upper
43 100
74 10.7 19.5 29.3#





#20

Methylene Chloride

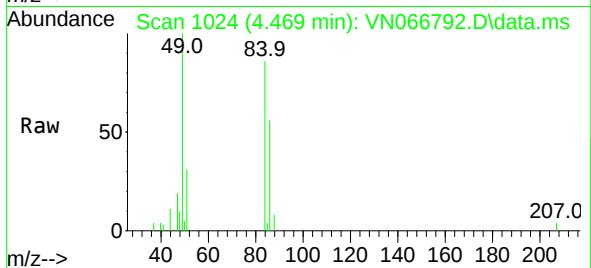
Concen: 3.20 ug/l

RT: 4.469 min Scan# 1024

Delta R.T. 0.000 min

Lab File: VN066792.D

Acq: 27 Apr 2021 19:37



Tgt Ion: 84 Resp: 13583

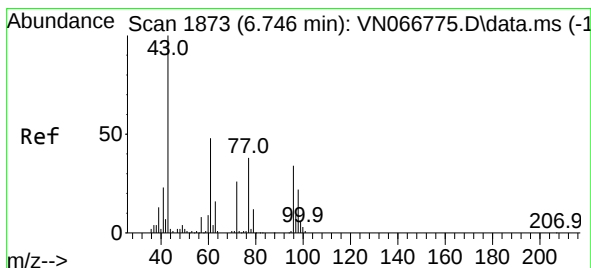
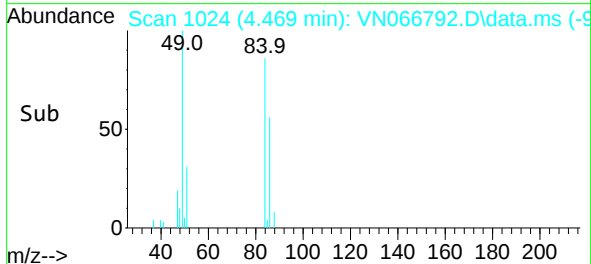
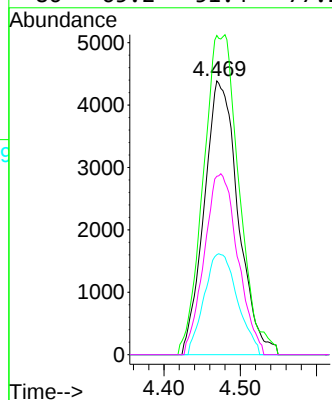
Ion Ratio Lower Upper

84 100

49 116.6 94.6 141.8

51 36.5 29.9 44.9

86 65.2 51.4 77.2



#25

2-Butanone

Concen: 2.96 ug/l

RT: 6.754 min Scan# 1876

Delta R.T. 0.008 min

Lab File: VN066792.D

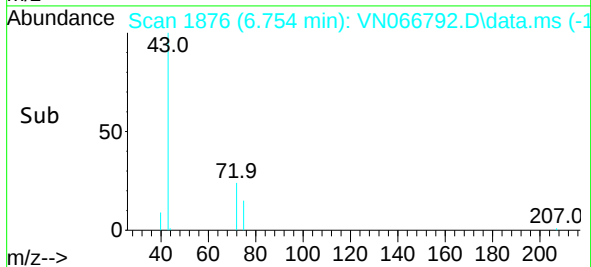
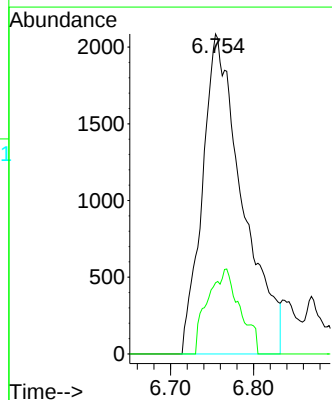
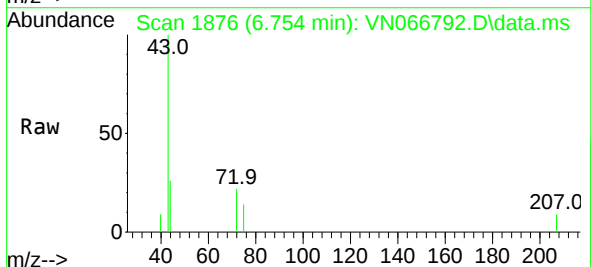
Acq: 27 Apr 2021 19:37

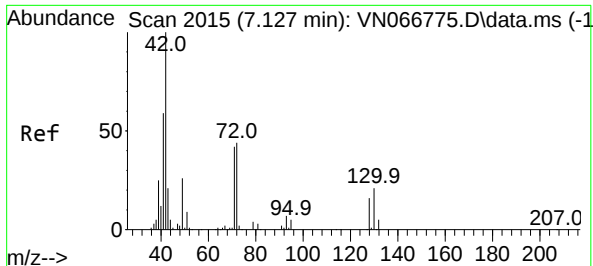
Tgt Ion: 43 Resp: 6969

Ion Ratio Lower Upper

43 100

72 22.2 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 7.132 min Scan# 2017

Delta R.T. 0.005 min

Lab File: VN066792.D

Acq: 27 Apr 2021 19:37

Tgt Ion: 42 Resp: 431

Ion Ratio Lower Upper

42 100

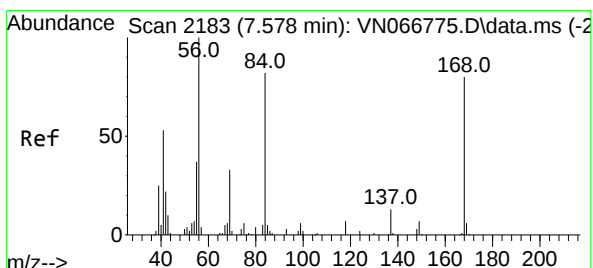
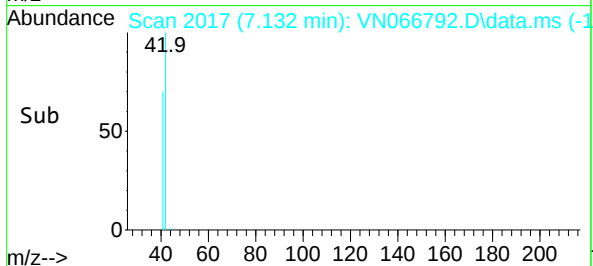
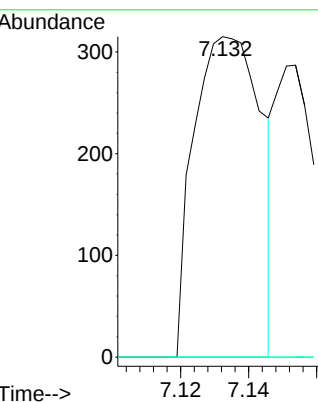
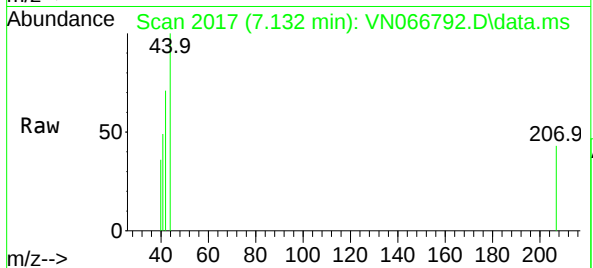
72 0.0 36.6 55.0#

71 0.0 34.3 51.5#

Instrument :

MSVOA_N

ClientSampled :



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 7.591 min Scan# 2188

Delta R.T. 0.013 min

Lab File: VN066792.D

Acq: 27 Apr 2021 19:37

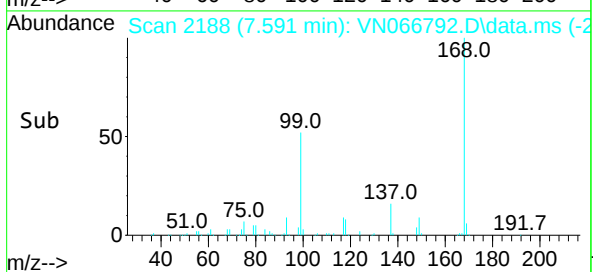
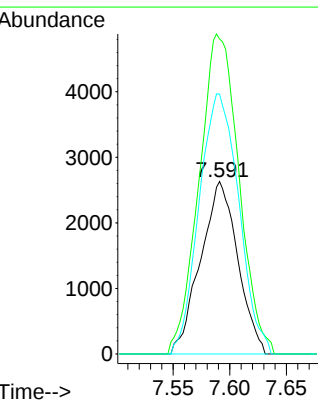
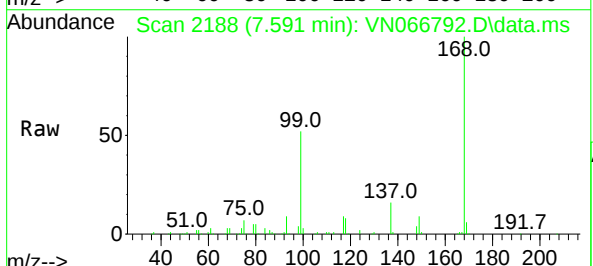
Tgt Ion: 56 Resp: 6003

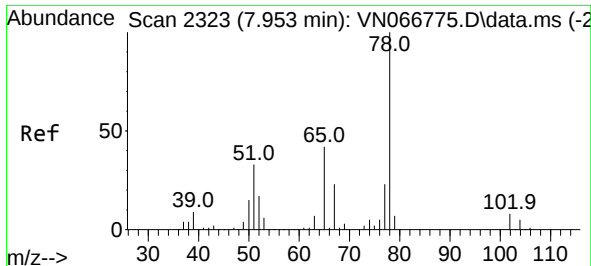
Ion Ratio Lower Upper

56 100

69 182.6 26.6 39.8#

84 150.6 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 46.86 ug/l

RT: 7.953 min Scan# 2323

Delta R.T. 0.000 min

Lab File: VN066792.D

Acq: 27 Apr 2021 19:37

Tgt Ion: 65 Resp: 207848

Ion Ratio Lower Upper

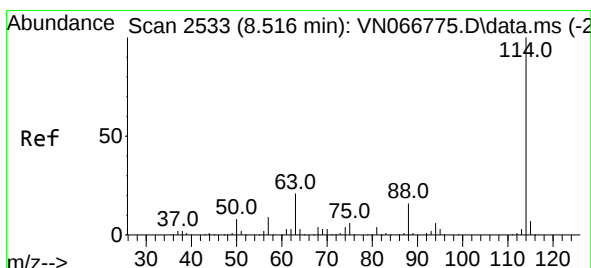
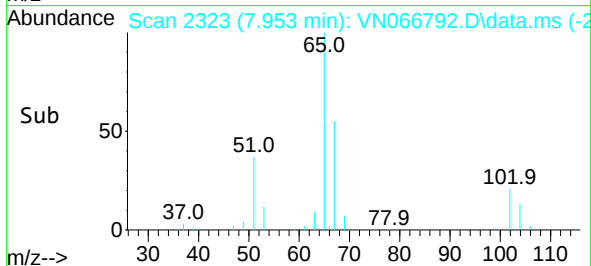
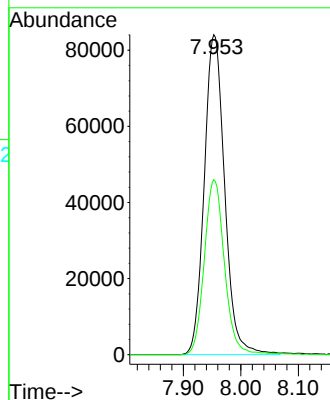
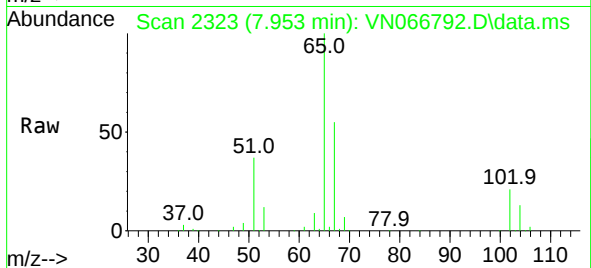
65 100

67 53.9 0.0 107.2

Instrument :

MSVOA_N

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.519 min Scan# 2534

Delta R.T. 0.003 min

Lab File: VN066792.D

Acq: 27 Apr 2021 19:37

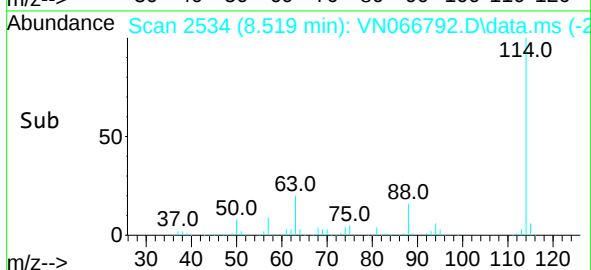
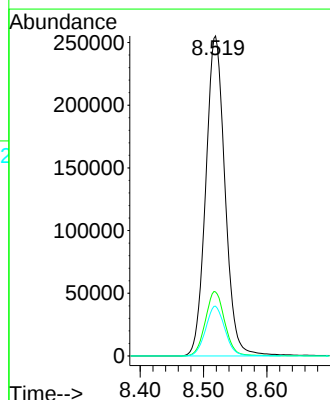
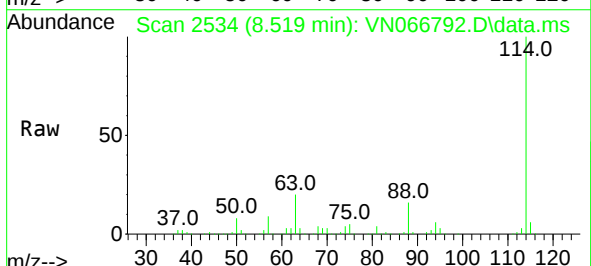
Tgt Ion: 114 Resp: 537557

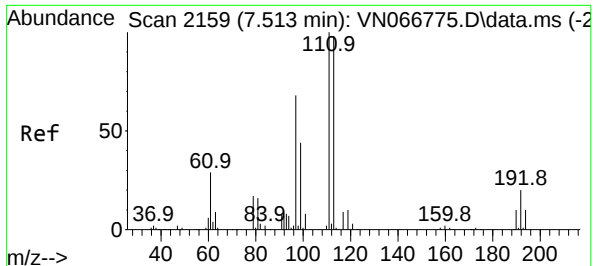
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.6

88 15.6 0.0 30.6

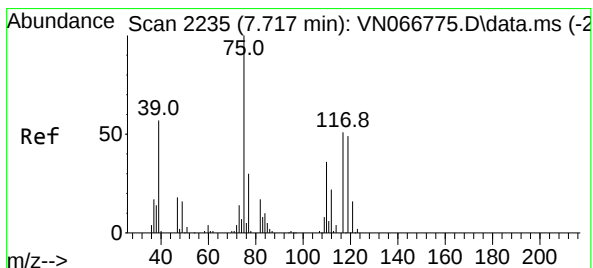
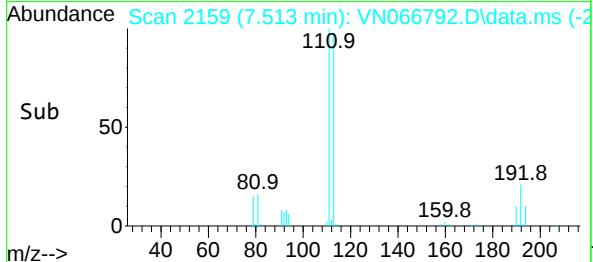
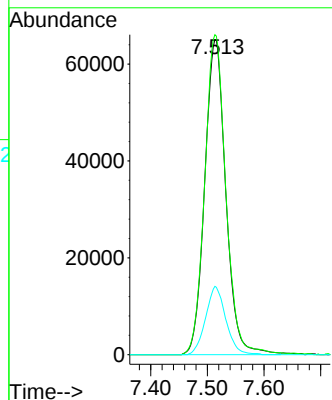
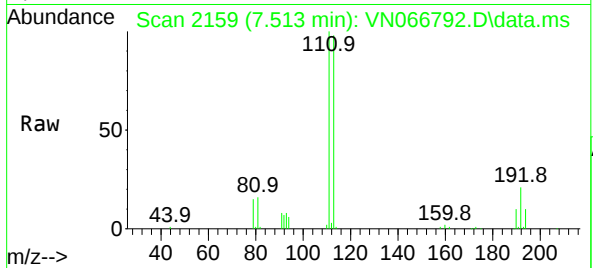




#35
Dibromofluoromethane
Concen: 50.65 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

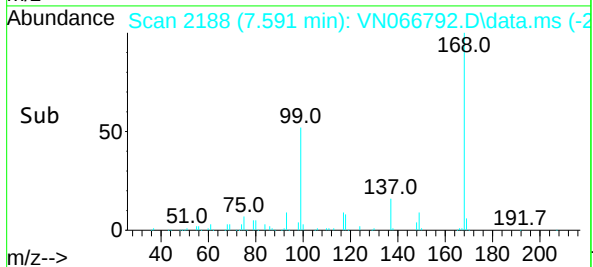
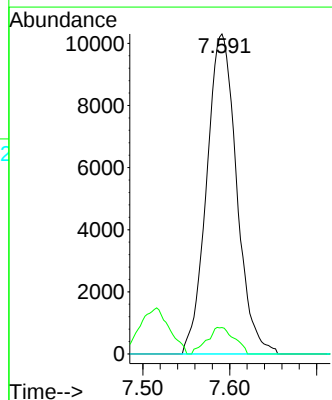
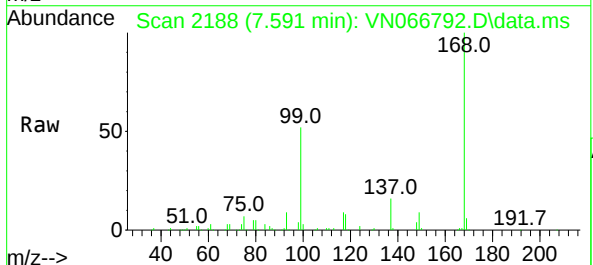
Instrument :
MSVOA_N
ClientSampled :

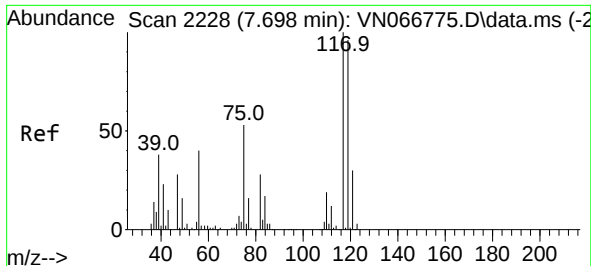
Tgt Ion:113 Resp: 168068
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 20.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.94 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

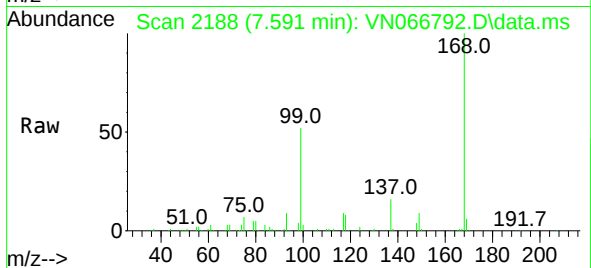
Tgt Ion: 75 Resp: 24680
Ion Ratio Lower Upper
75 100
110 7.5 18.2 54.6#
77 0.0 24.9 37.3#



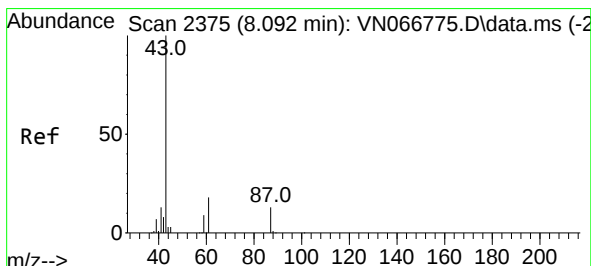
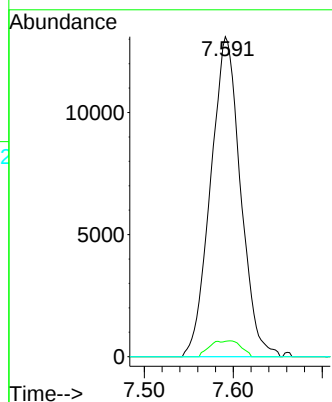
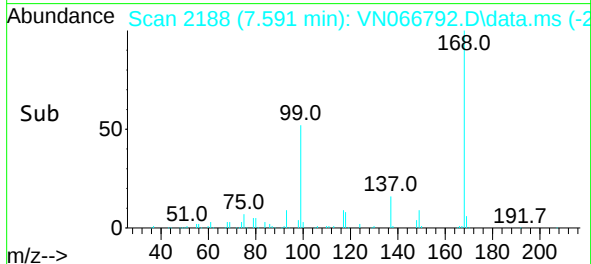


#38
Carbon Tetrachloride
Concen: 6.38 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

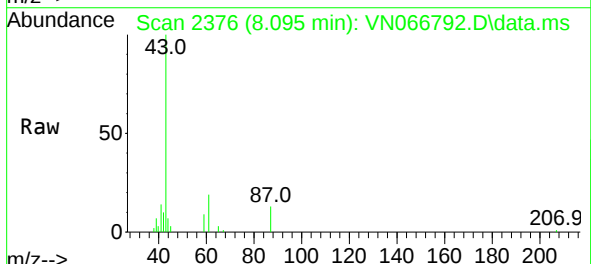
Instrument :
MSVOA_N
ClientSampleId :



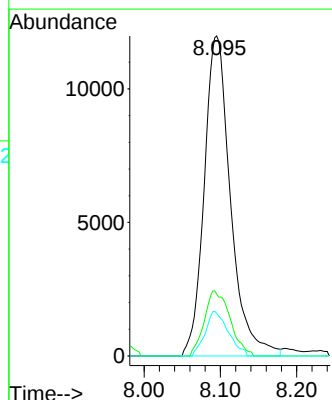
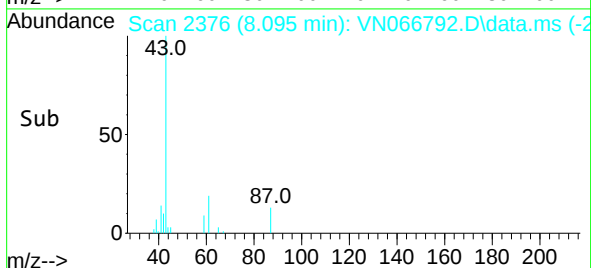
Tgt Ion:117 Resp: 30563
Ion Ratio Lower Upper
117 100
119 4.8 76.0 114.0#
121 0.0 24.5 36.7#

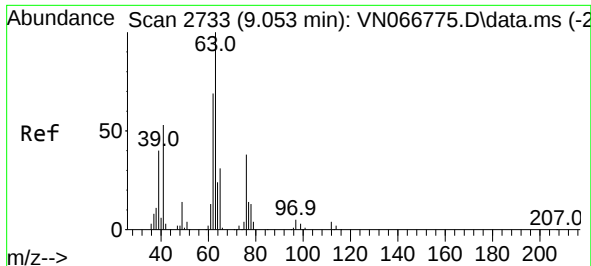


#43
Isopropyl Acetate
Concen: 3.41 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37



Tgt Ion: 43 Resp: 28729
Ion Ratio Lower Upper
43 100
61 20.0 22.5 33.7#
87 12.2 11.1 16.7



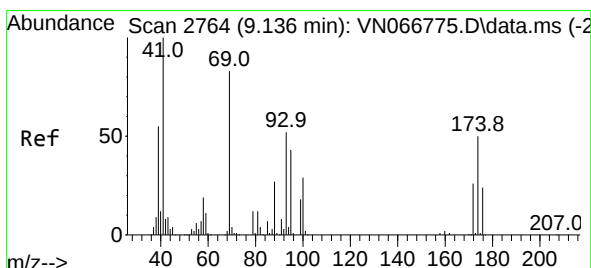
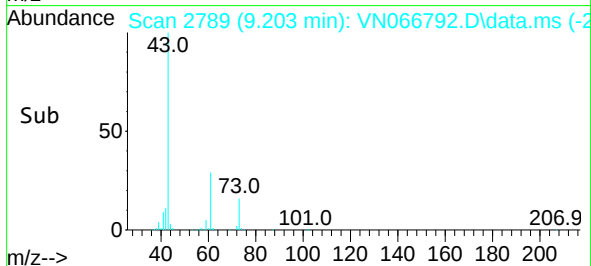
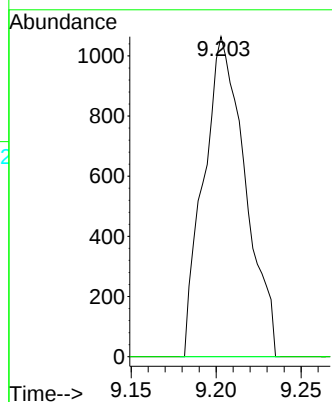
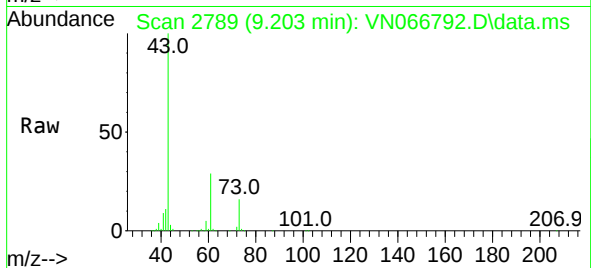


#45

1,2-Dichloropropane
Concen: 0.44 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Instrument :
MSVOA_N
ClientSampled :

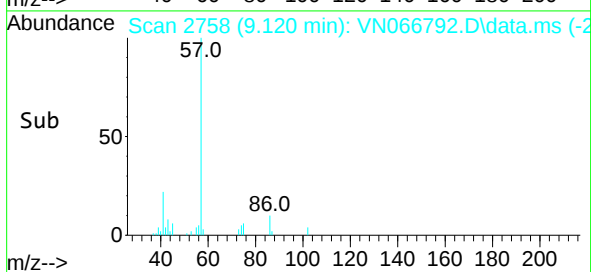
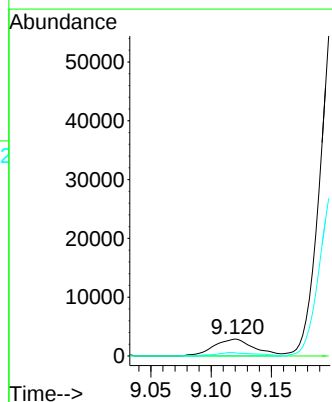
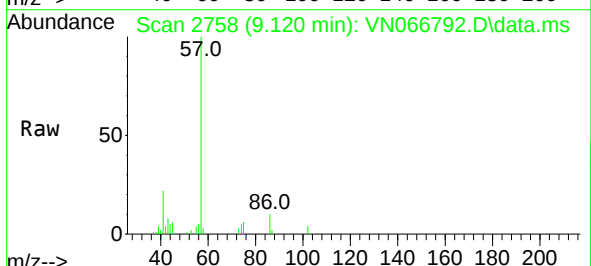
Tgt Ion: 63 Resp: 1811
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

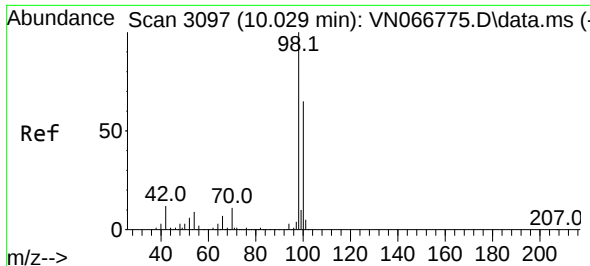


#48

Methyl methacrylate
Concen: 1.81 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Tgt Ion: 41 Resp: 6657
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

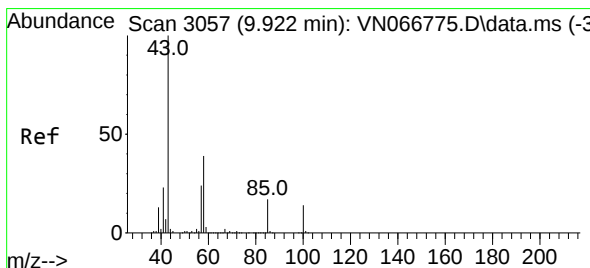
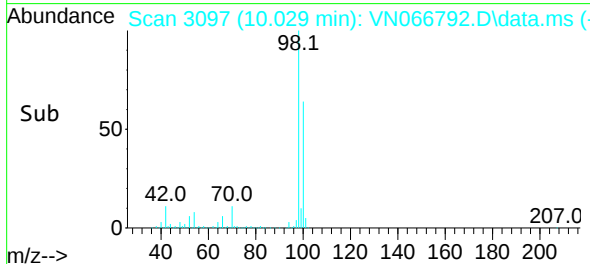
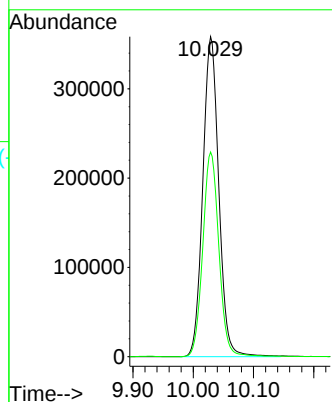
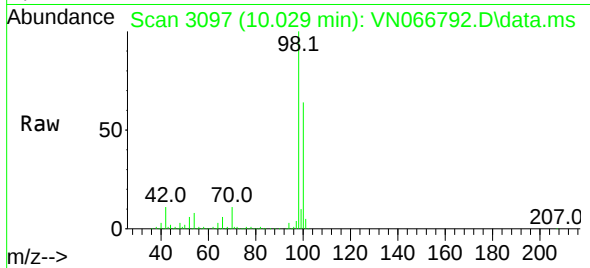




#50
Toluene-d8
Concen: 50.67 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

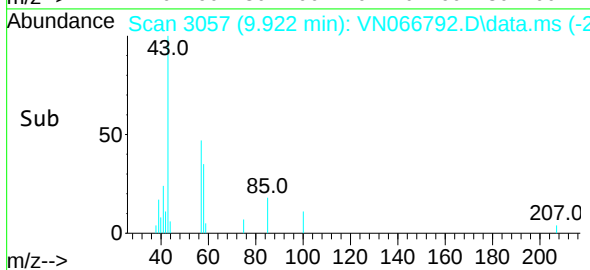
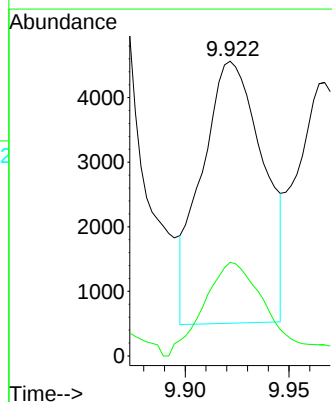
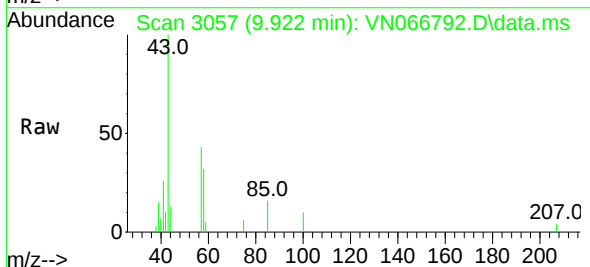
Instrument :
MSVOA_N
ClientSampled :

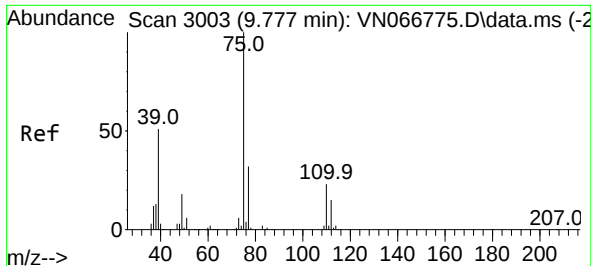
Tgt Ion: 98 Resp: 659943
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.81 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

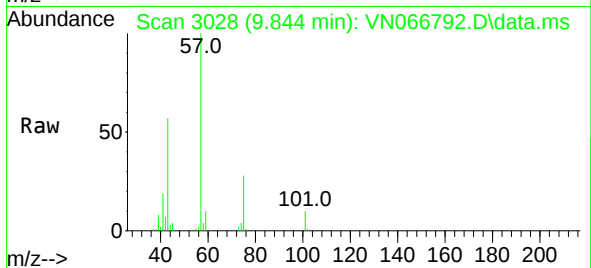
Tgt Ion: 43 Resp: 8307
Ion Ratio Lower Upper
43 100
58 36.9 32.5 48.7



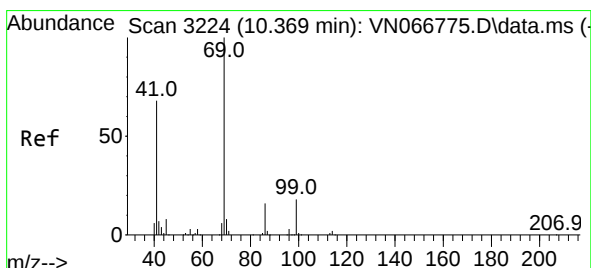
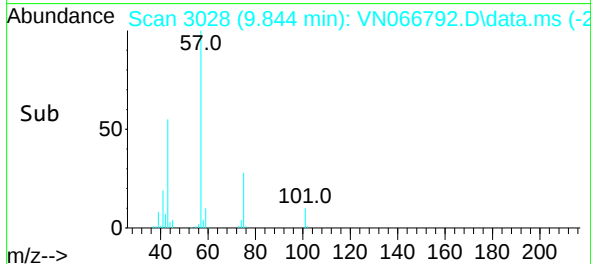
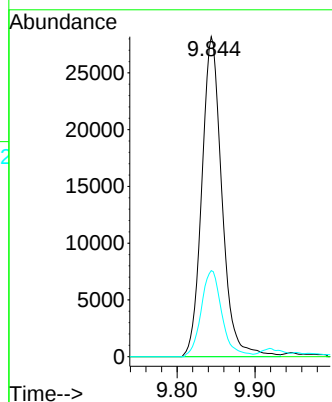


#54
cis-1,3-Dichloropropene
Concen: 7.98 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Instrument :
MSVOA_N
ClientSampled :

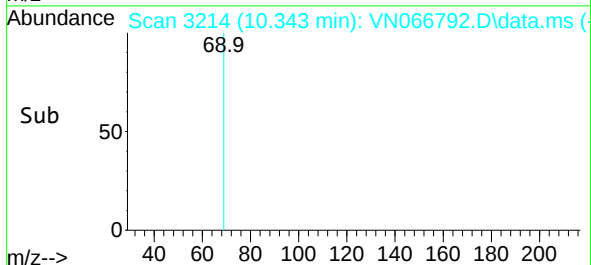
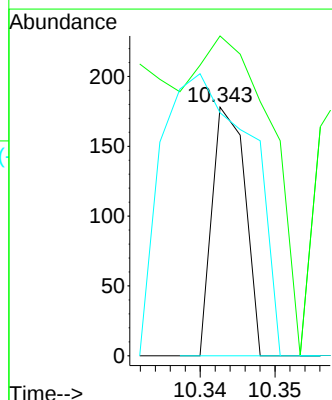
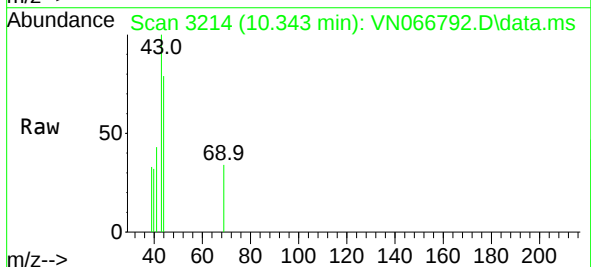


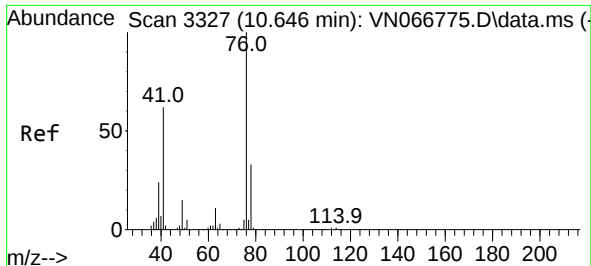
Tgt Ion: 75 Resp: 50709
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 26.9 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.343 min Scan# 3214
Delta R.T. -0.026 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

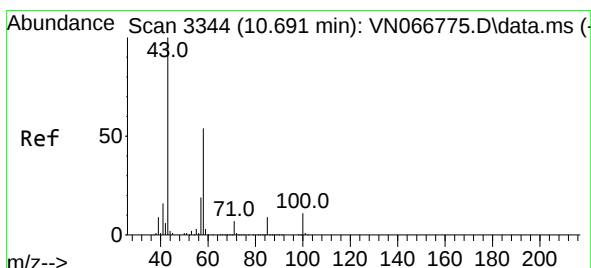
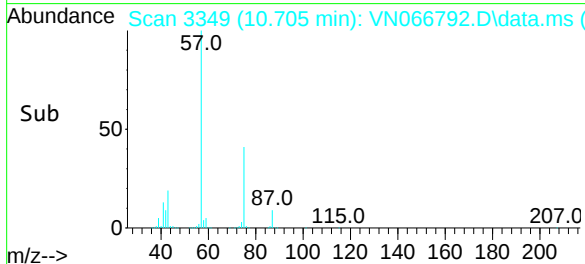
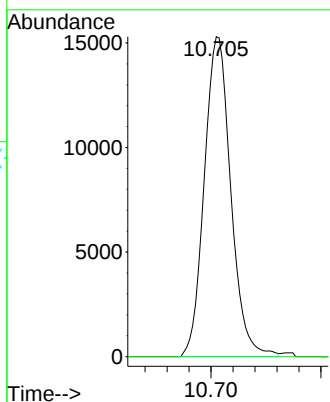
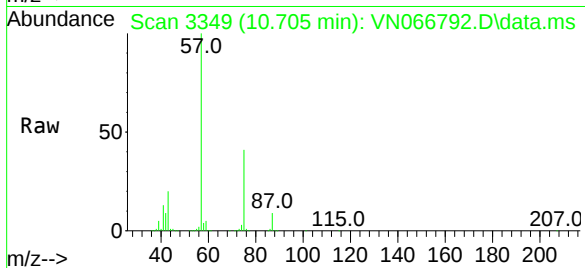




#57
1,3-Dichloropropane
Concen: 4.18 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

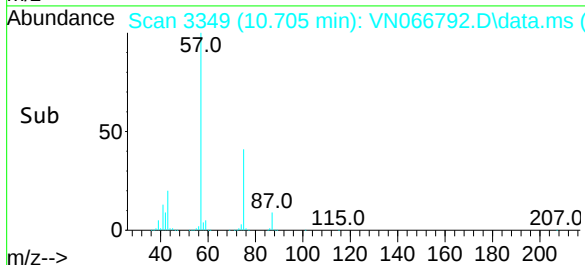
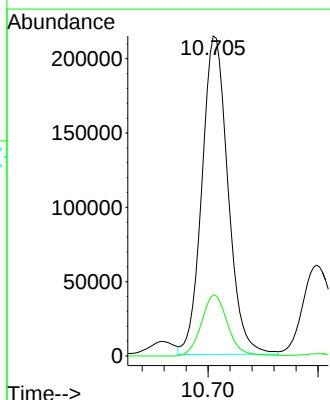
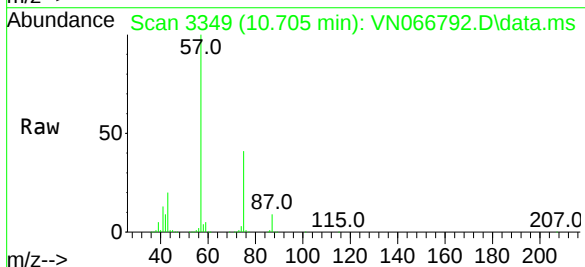
Instrument :
MSVOA_N
ClientSampled :

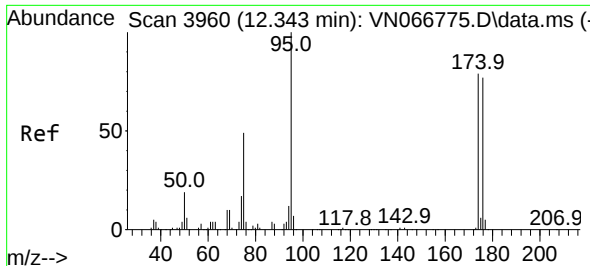
Tgt Ion: 76 Resp: 25599
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 109.68 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.014 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Tgt Ion: 43 Resp: 352538
Ion Ratio Lower Upper
43 100
58 19.4 28.1 84.3#

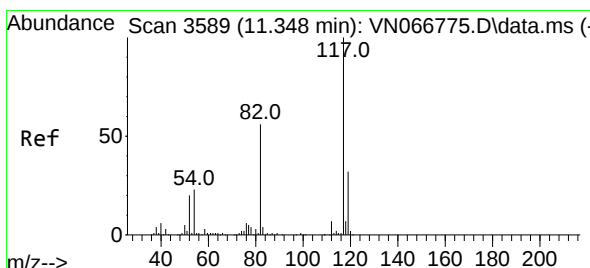
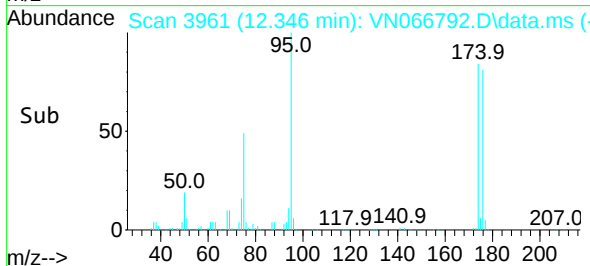
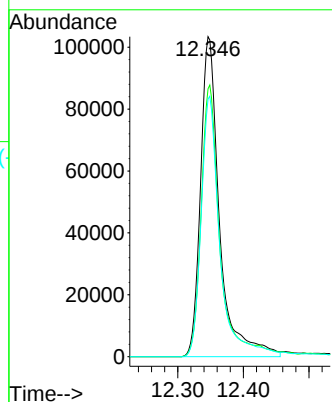
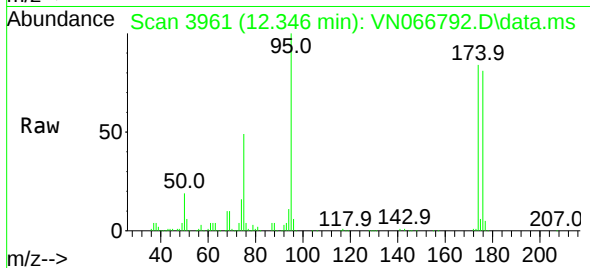




#62
4-Bromofluorobenzene
Concen: 47.12 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.003 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

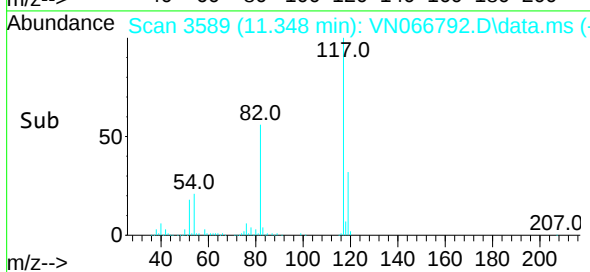
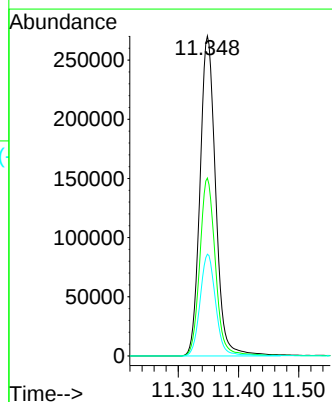
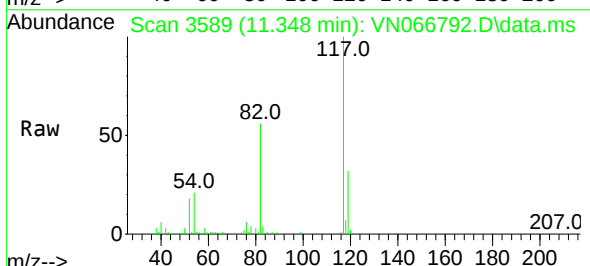
Instrument :
MSVOA_N
ClientSampleId :

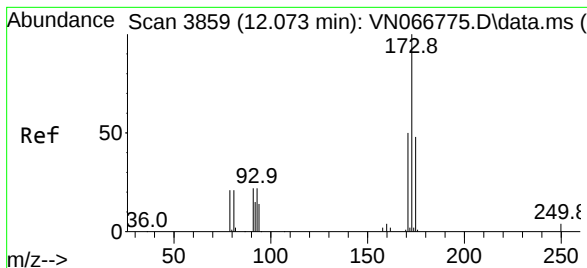
Tgt Ion: 95 Resp: 207666
Ion Ratio Lower Upper
95 100
174 84.6 0.0 169.0
176 81.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Tgt Ion: 117 Resp: 488123
Ion Ratio Lower Upper
117 100
82 55.6 43.7 65.5
119 31.8 26.1 39.1

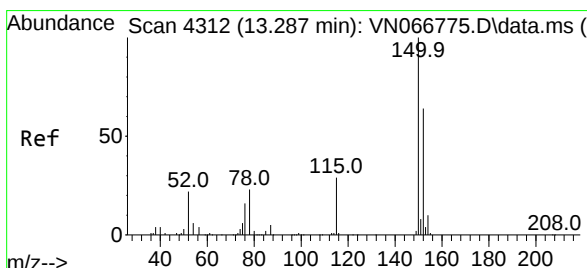
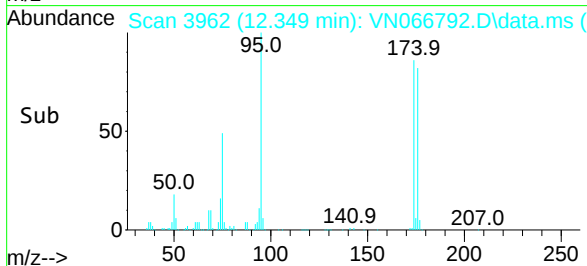
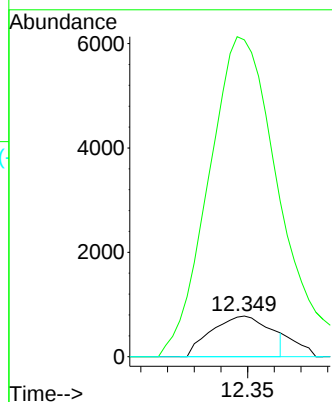
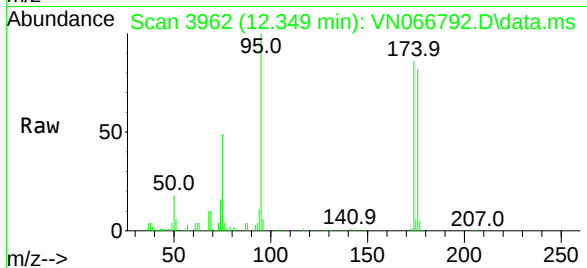




#71
Bromoform
Concen: 0.45 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

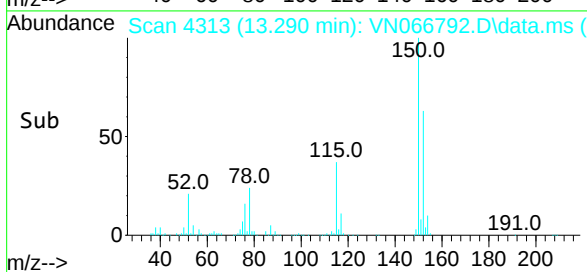
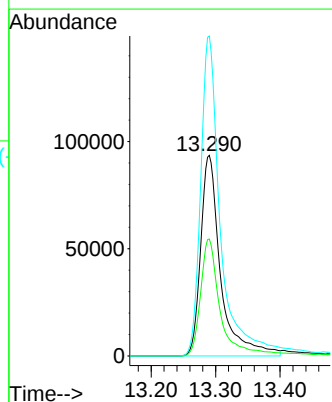
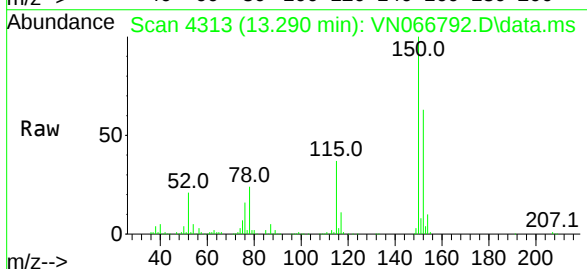
Instrument :
MSVOA_N
ClientSampleId :

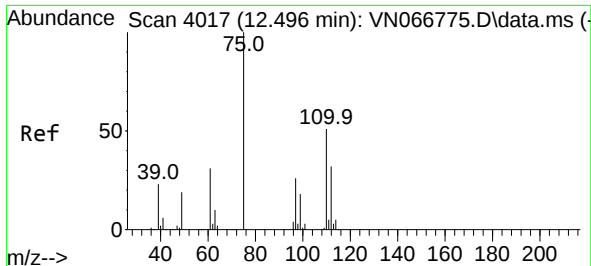
Tgt Ion:173 Resp: 1190
Ion Ratio Lower Upper
173 100
175 814.4 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Tgt Ion:152 Resp: 202176
Ion Ratio Lower Upper
152 100
115 58.5 28.5 85.6
150 161.8 0.0 347.6

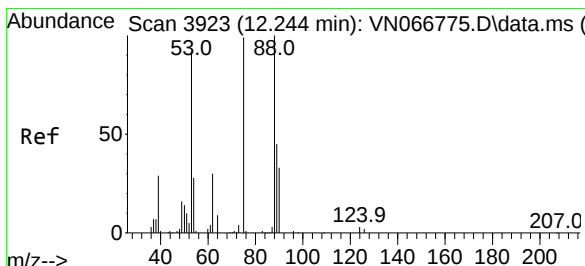
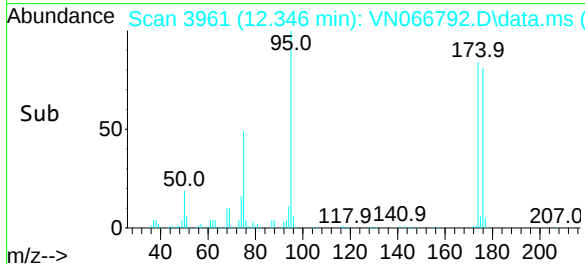
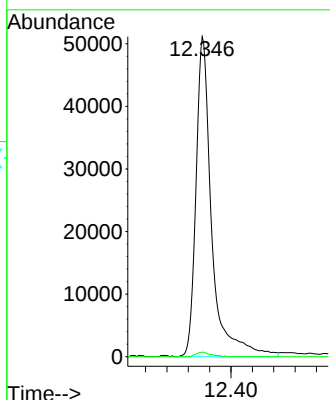
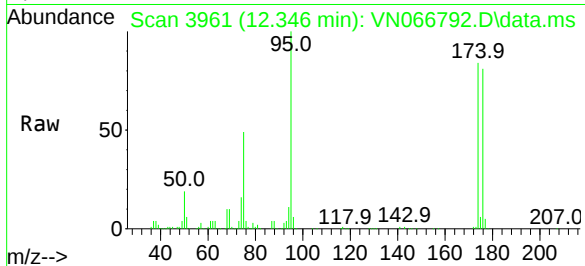




#76
1,2,3-Trichloropropane
Concen: 24.63 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

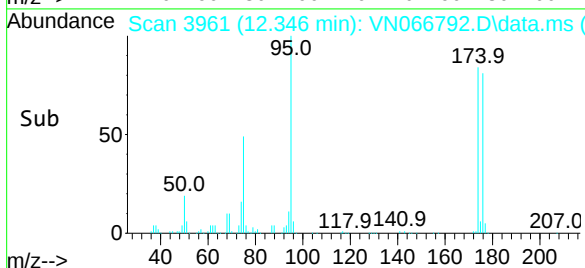
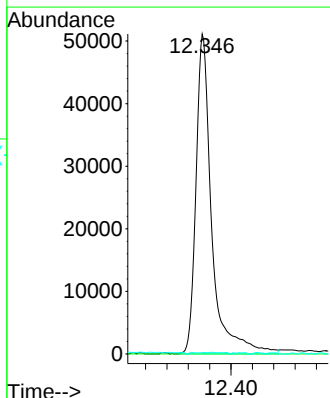
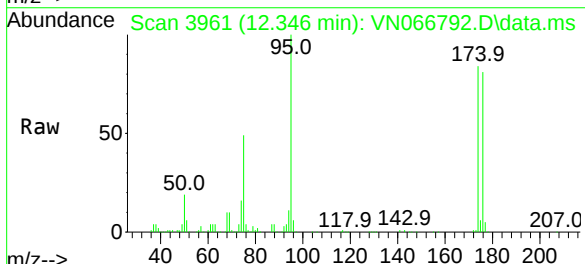
Instrument :
MSVOA_N
ClientSampled :

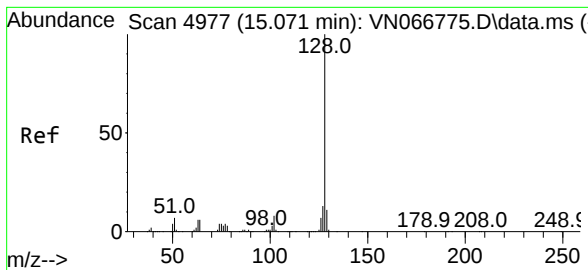
Tgt Ion: 75 Resp: 104941
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.13 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Tgt Ion: 75 Resp: 104941
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#





#95
Naphthalene
Concen: 0.21 ug/l
RT: 15.098 min Scan# 4987
Delta R.T. 0.027 min
Lab File: VN066792.D
Acq: 27 Apr 2021 19:37

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	1904
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

