

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051721\
 Data File : VN067096.D
 Acq On : 17 May 2021 13:14
 Operator : JC/MD
 Sample : M2383-06MEDL 10X
 Misc : 3.58g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:06:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

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

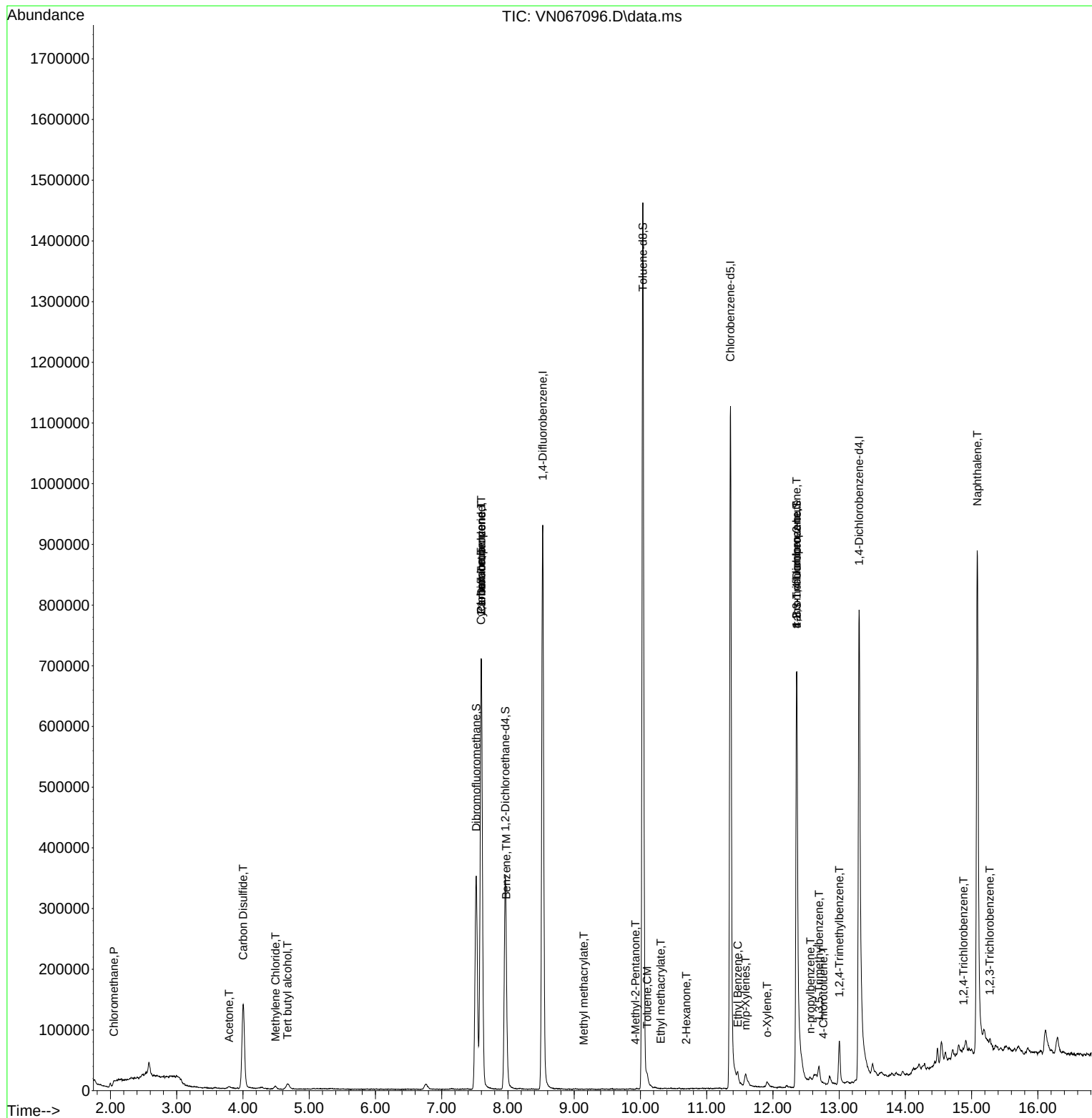
Internal Standards						
1) Pentafluorobenzene	7.597	168	660580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	938255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	793835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	352051	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	304523	42.67	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	85.34%		
35) Dibromofluoromethane	7.522	113	287459	46.66	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.32%		
50) Toluene-d8	10.038	98	1111765	47.61	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.22%		
62) 4-Bromofluorobenzene	12.357	95	341863	43.71	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.42%		
Target Compounds						
						Qvalue
3) Chloromethane	2.051	50	2337	0.32	ug/l	99
11) Tert butyl alcohol	4.674	59	7337	6.17	ug/l	98
13) Acrolein	3.561	56	268	Below Cal		95
16) Acetone	3.791	43	6288	2.84	ug/l	94
17) Carbon Disulfide	4.003	76	297454	17.87	ug/l	99
20) Methylene Chloride	4.491	84	3891	0.61	ug/l #	81
31) Cyclohexane	7.594	56	9824	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.600	75	39939	4.67	ug/l #	42
38) Carbon Tetrachloride	7.597	117	55698	6.11	ug/l #	15
40) Benzene	7.975	78	16830	0.65	ug/l	92
48) Methyl methacrylate	9.147	41	32	1.95	ug/l #	21
51) 4-Methyl-2-Pentanone	9.925	43	208	5.43	ug/l #	33
52) Toluene	10.102	92	5364	0.32	ug/l	92
56) Ethyl methacrylate	10.306	69	113	1.95	ug/l #	5
59) 2-Hexanone	10.692	43	141	21.94	ug/l #	21
67) Ethyl Benzene	11.470	91	13456	0.45	ug/l	92
68) m/p-Xylenes	11.588	106	9259	0.80	ug/l	93
69) o-Xylene	11.912	106	4284	0.37	ug/l	92
76) 1,2,3-Trichloropropane	12.357	75	157624	21.22	ug/l #	100
78) n-propylbenzene	12.569	91	10264	0.35	ug/l #	69
80) 1,3,5-Trimethylbenzene	12.695	105	17249	0.70	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.357	75	157624	63.91	ug/l #	15
82) 4-Chlorotoluene	12.762	91	636	1.21	ug/l	92
84) 1,2,4-Trimethylbenzene	13.001	105	50780	2.25	ug/l	98
93) 1,2,4-Trichlorobenzene	14.876	180	3408	0.55	ug/l	93
95) Naphthalene	15.085	128	927927	61.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.273	180	4145	0.72	ug/l #	93

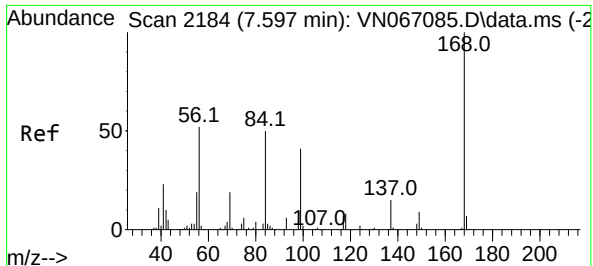
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
Quant Title : SW846 8260
QLast Update : Tue May 18 04:00:15 2021
Response via : Initial Calibration

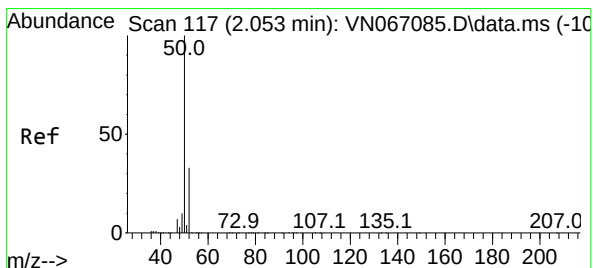
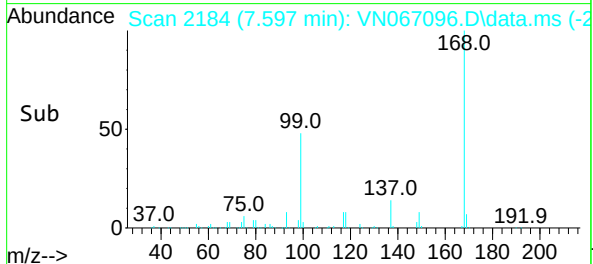
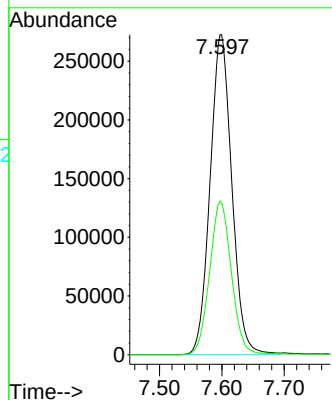
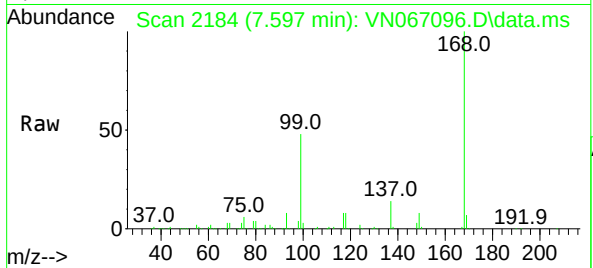




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

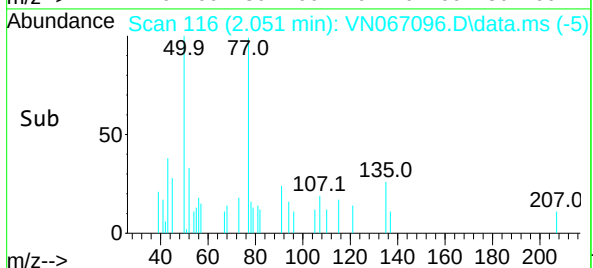
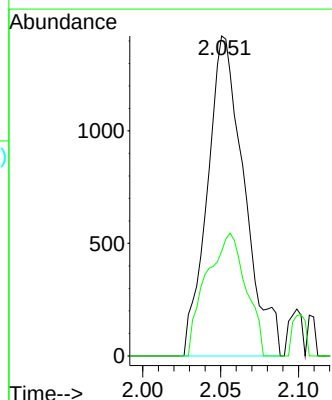
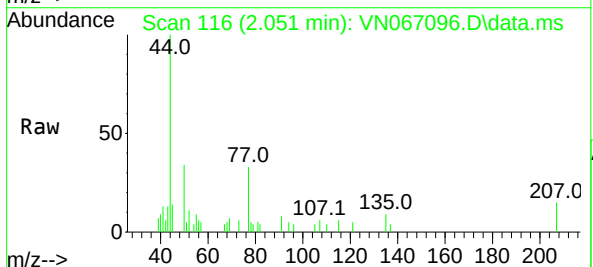
Instrument :
MSVOA_N
ClientSampled :

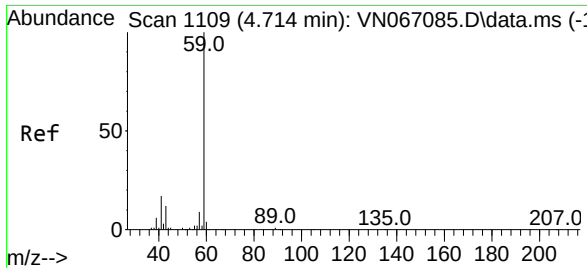
Tgt Ion:168 Resp: 660580
Ion Ratio Lower Upper
168 100
99 48.0 38.5 57.7



#3
Chloromethane
Concen: 0.32 ug/l
RT: 2.051 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

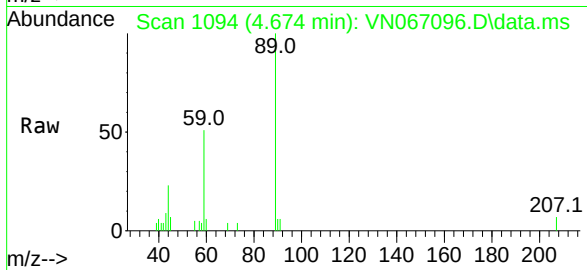
Tgt Ion: 50 Resp: 2337
Ion Ratio Lower Upper
50 100
52 32.7 26.5 39.7



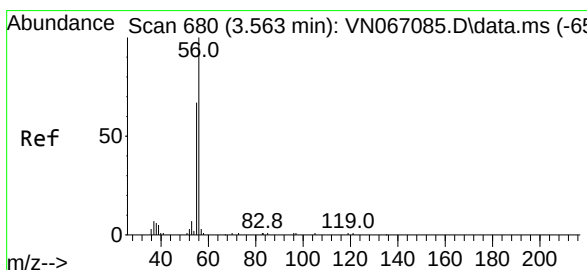
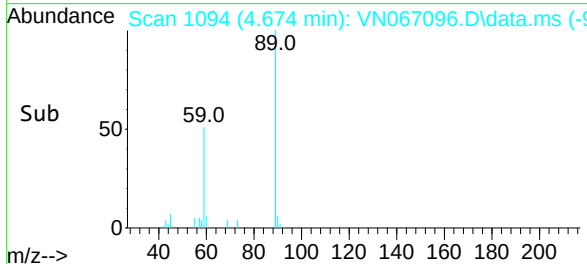
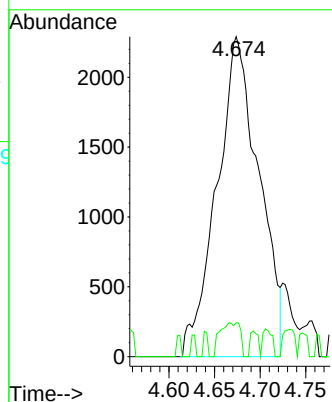


#11
Tert butyl alcohol
Concen: 6.17 ug/l
RT: 4.674 min Scan# 1094
Delta R.T. -0.040 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Instrument :
MSVOA_N
ClientSampled :

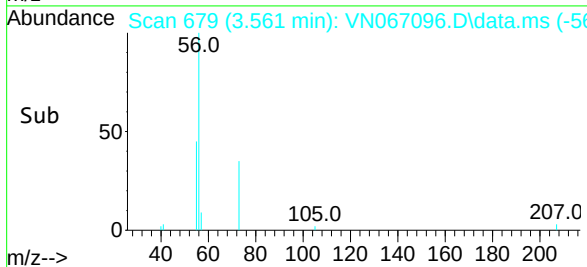
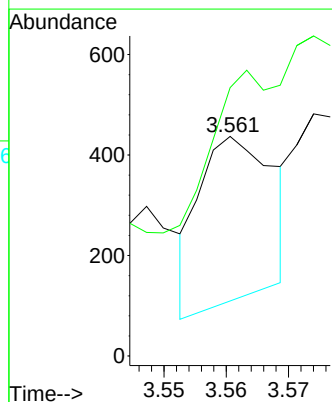
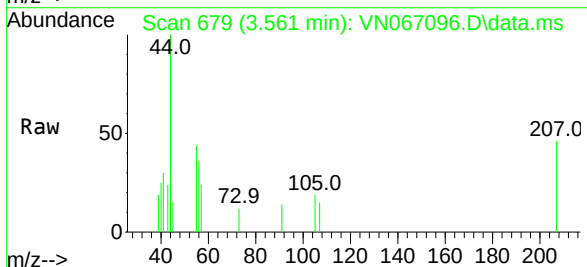


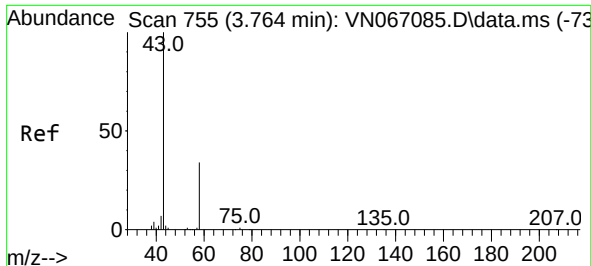
Tgt Ion: 59 Resp: 7337
Ion Ratio Lower Upper
59 100
57 3.6 3.5 5.3



#13
Acrolein
Concen: Below Cal
RT: 3.561 min Scan# 679
Delta R.T. -0.002 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Tgt Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
55 71.3 53.8 80.6

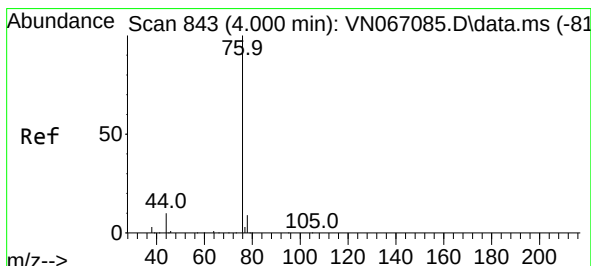
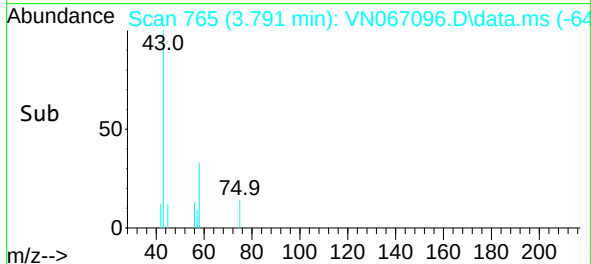
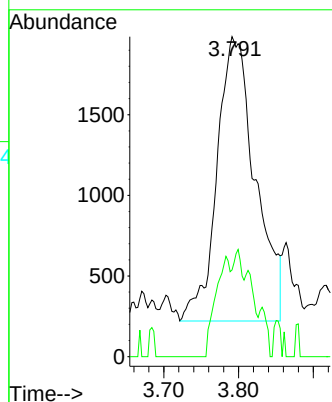
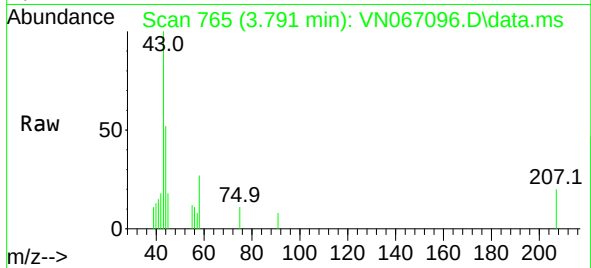




#16
Acetone
Concen: 2.84 ug/l
RT: 3.791 min Scan# 765
Delta R.T. 0.027 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

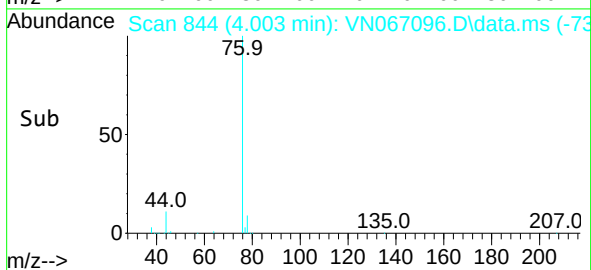
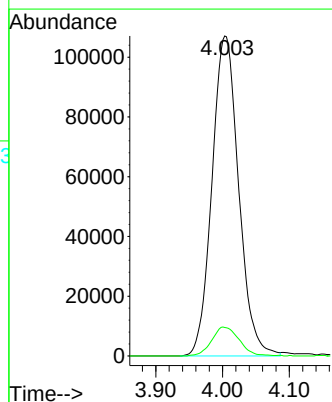
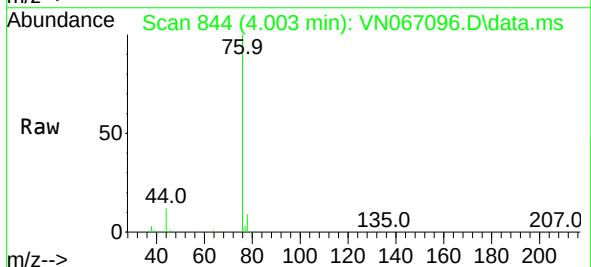
Instrument :
MSVOA_N
ClientSampleId :

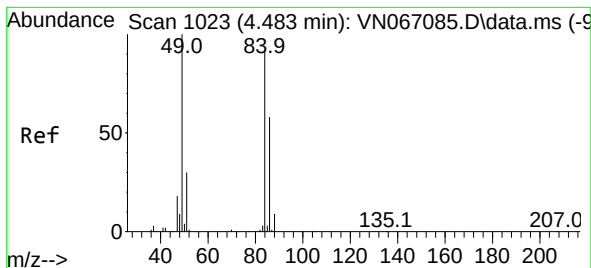
Tgt Ion: 43 Resp: 6288
Ion Ratio Lower Upper
43 100
58 30.5 27.2 40.8



#17
Carbon Disulfide
Concen: 17.87 ug/l
RT: 4.003 min Scan# 844
Delta R.T. 0.003 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Tgt Ion: 76 Resp: 297454
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3





#20

Methylene Chloride

Concen: 0.61 ug/l

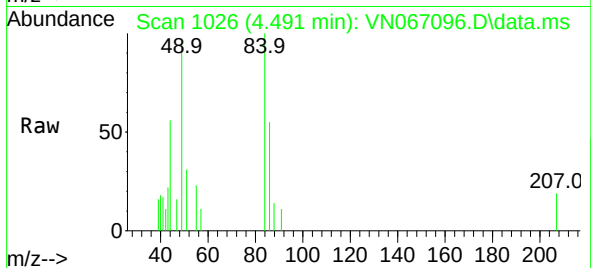
RT: 4.491 min Scan# 1026

Delta R.T. 0.008 min

Lab File: VN067096.D

Acq: 17 May 2021 13:14

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 3891

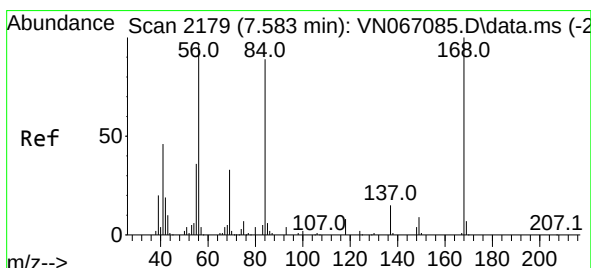
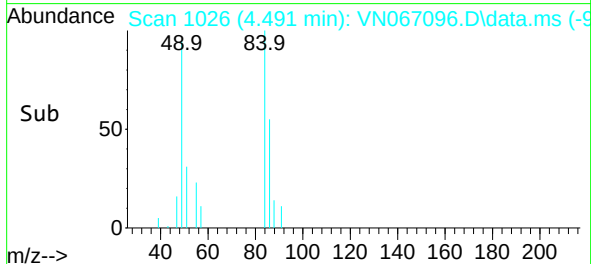
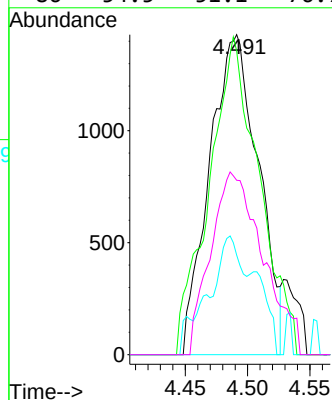
Ion Ratio Lower Upper

84 100

49 81.9 88.3 132.5#

51 31.1 26.7 40.1

86 54.5 51.1 76.7



#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.594 min Scan# 2183

Delta R.T. 0.011 min

Lab File: VN067096.D

Acq: 17 May 2021 13:14

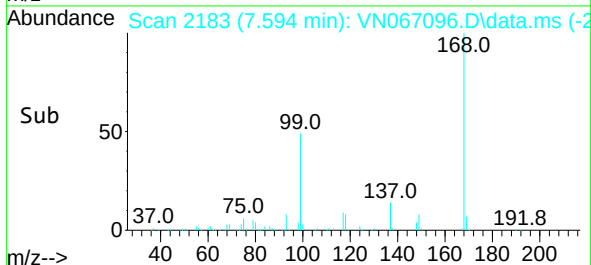
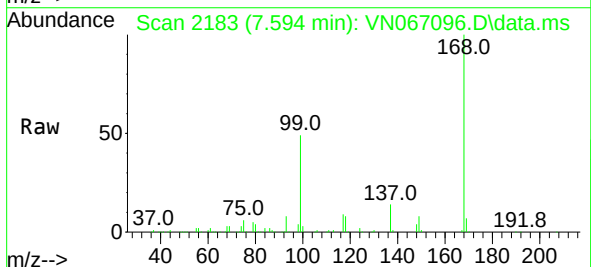
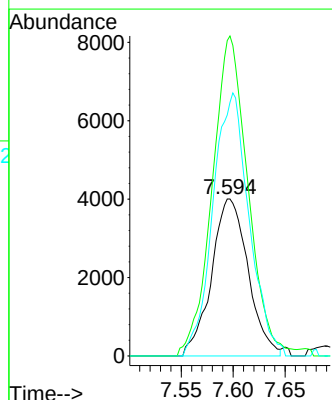
Tgt Ion: 56 Resp: 9824

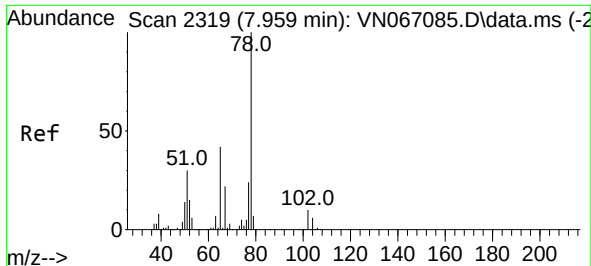
Ion Ratio Lower Upper

56 100

69 195.9 28.0 42.0#

84 153.5 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 42.67 ug/l

RT: 7.962 min Scan# 2320

Delta R.T. 0.003 min

Lab File: VN067096.D

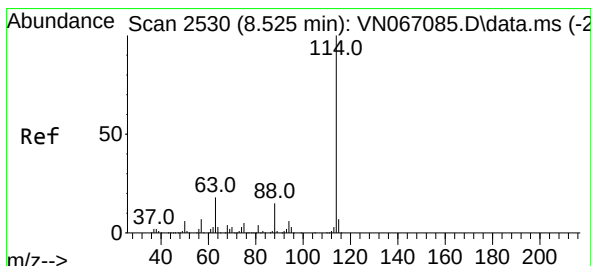
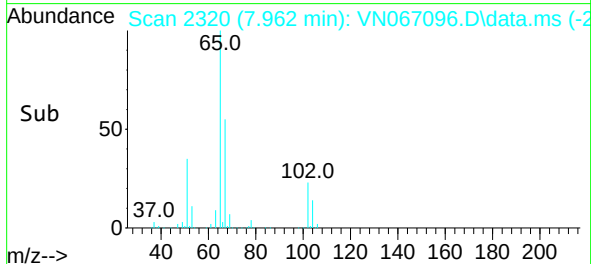
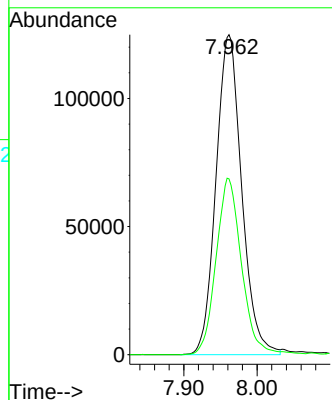
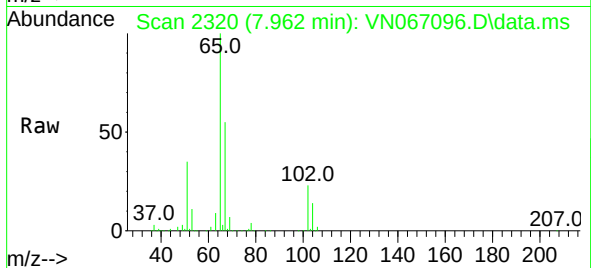
Acq: 17 May 2021 13:14

Tgt Ion: 65 Resp: 304523

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.525 min Scan# 2530

Delta R.T. -0.000 min

Lab File: VN067096.D

Acq: 17 May 2021 13:14

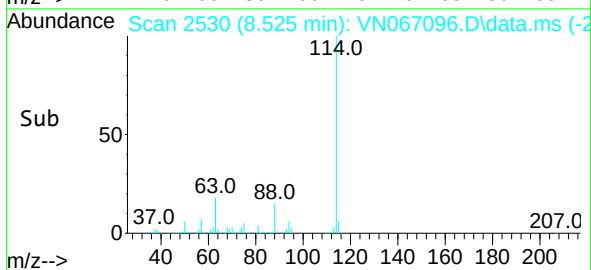
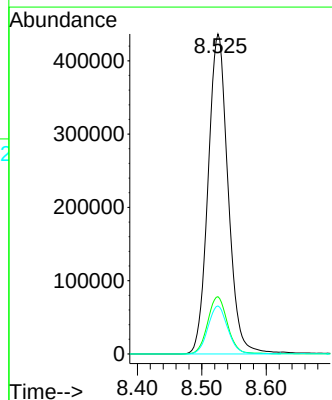
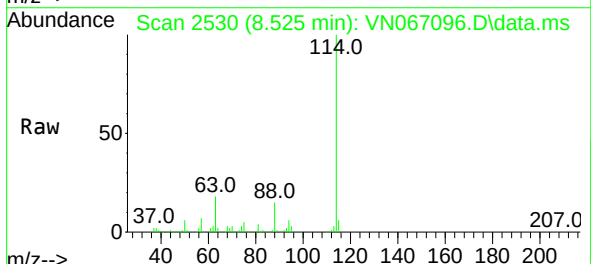
Tgt Ion: 114 Resp: 938255

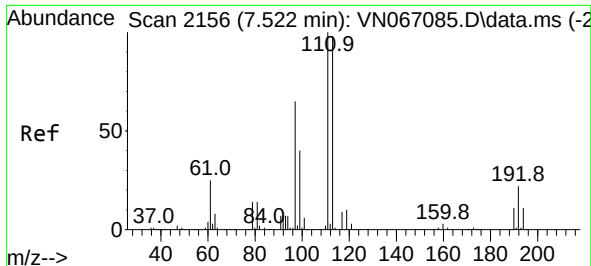
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.8

88 15.0 0.0 30.4

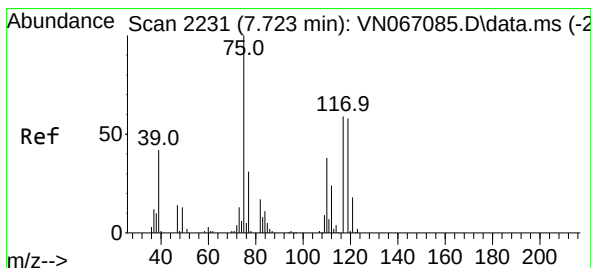
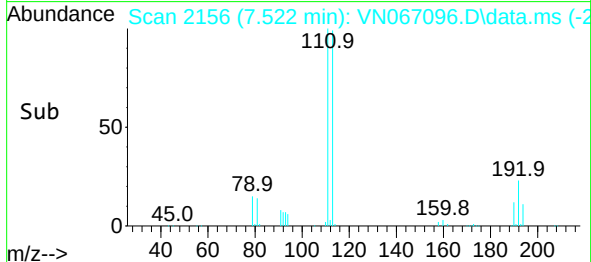
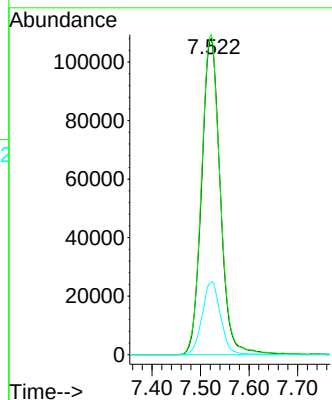
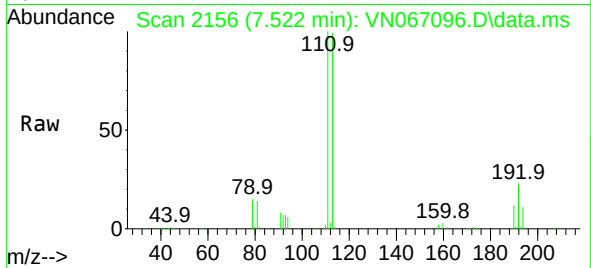




#35
Dibromofluoromethane
Concen: 46.66 ug/l
RT: 7.522 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

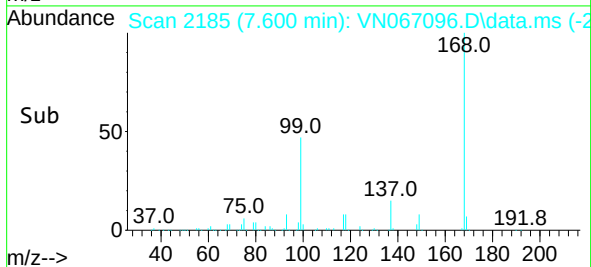
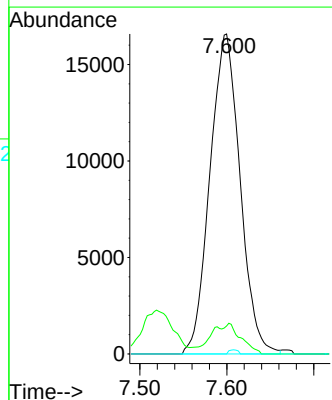
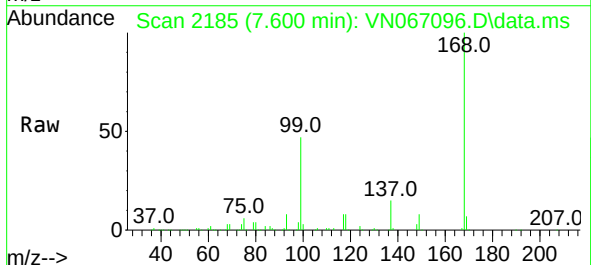
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MSVOA_N
ClientSampled :

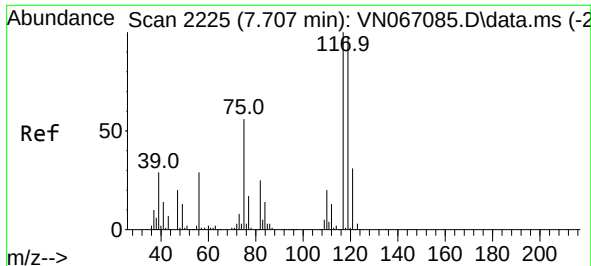
Tgt Ion:113 Resp: 287459
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 22.7 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. -0.123 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

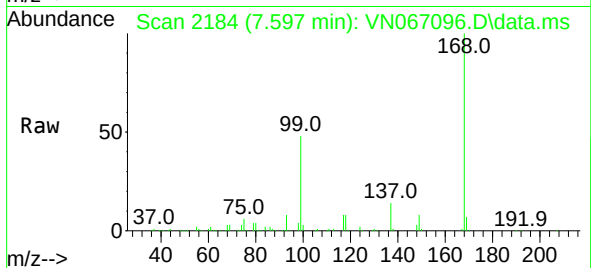
Tgt Ion: 75 Resp: 39939
Ion Ratio Lower Upper
75 100
110 2.4 19.1 57.3#
77 0.4 24.8 37.2#



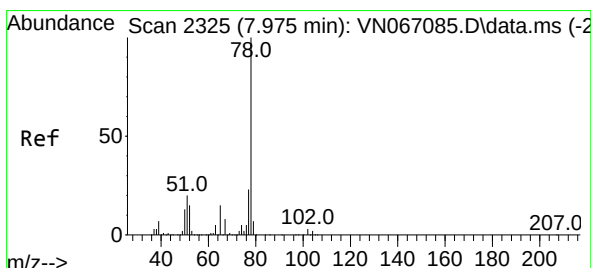
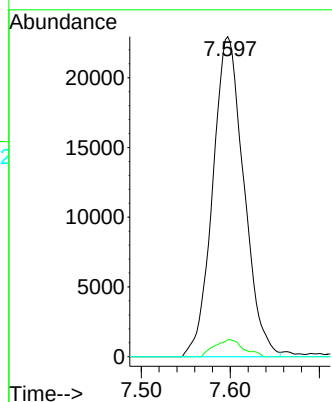
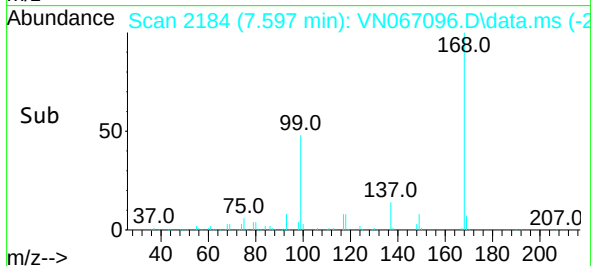


#38
Carbon Tetrachloride
Concen: 6.11 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.110 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

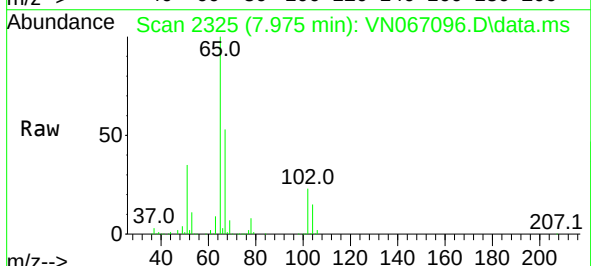
Instrument :
MSVOA_N
ClientSampled :



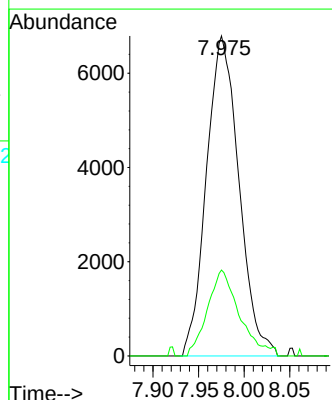
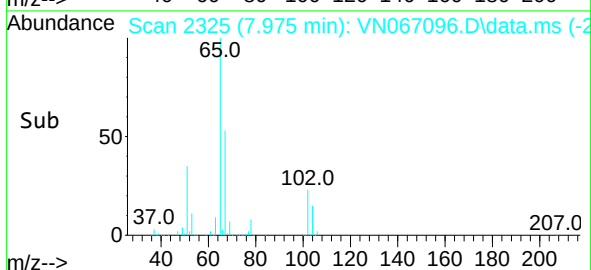
Tgt Ion: 117 Resp: 55698
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.7 37.1#

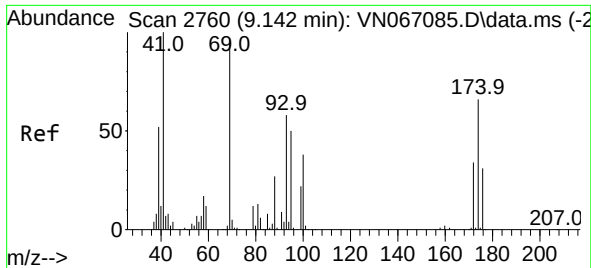


#40
Benzene
Concen: 0.65 ug/l
RT: 7.975 min Scan# 2325
Delta R.T. 0.000 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14



Tgt Ion: 78 Resp: 16830
Ion Ratio Lower Upper
78 100
77 26.9 18.4 27.6

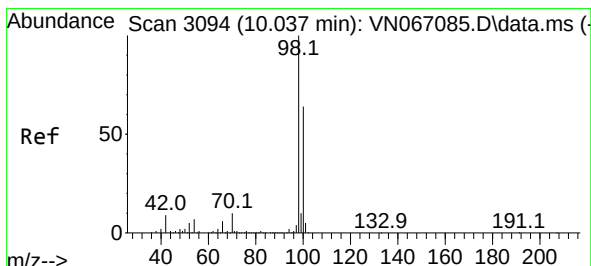
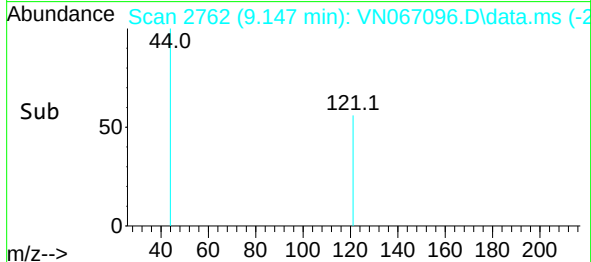
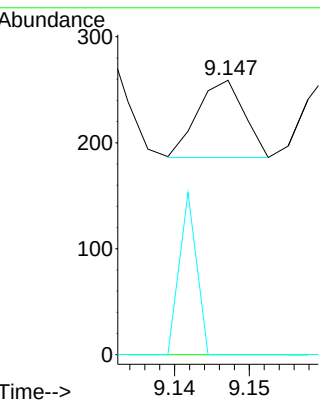
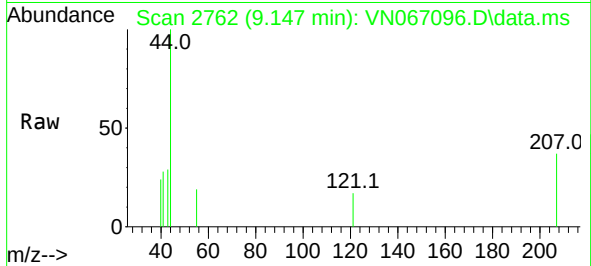




#48
Methyl methacrylate
Concen: 1.95 ug/l
RT: 9.147 min Scan# 2762
Delta R.T. 0.005 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

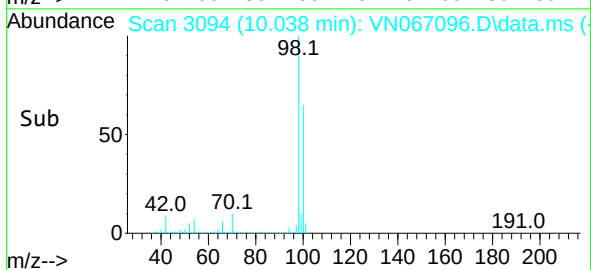
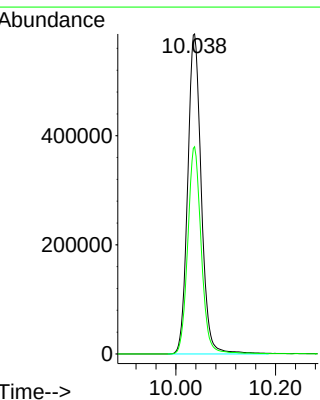
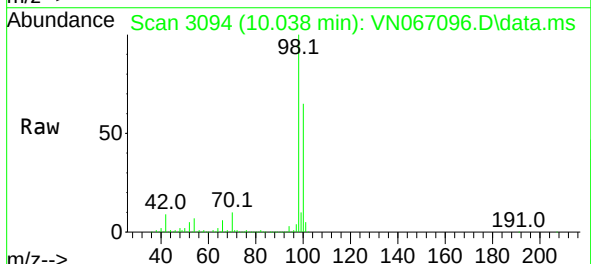
Instrument :
MSVOA_N
ClientSampled :

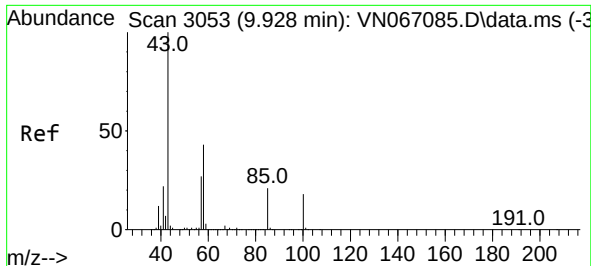
Tgt Ion: 41 Resp: 32
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 78.1 41.4 62.0#



#50
Toluene-d8
Concen: 47.61 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.001 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Tgt Ion: 98 Resp: 1111765
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8

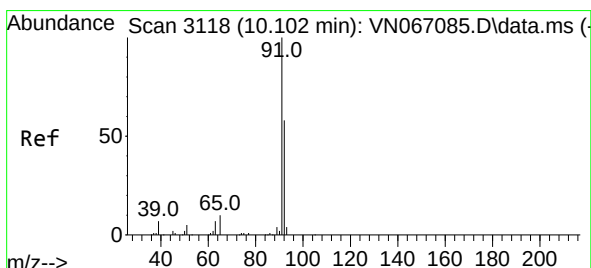
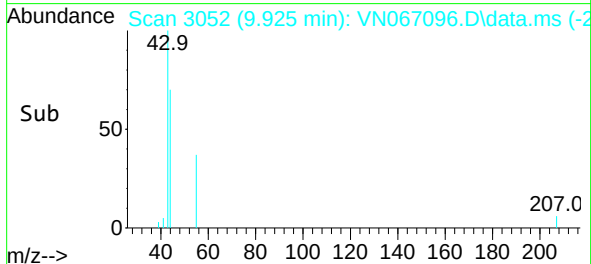
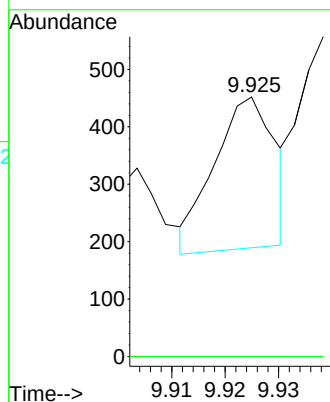
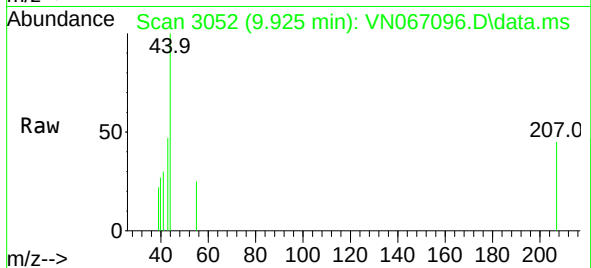




#51
4-Methyl-2-Pentanone
Concen: 5.43 ug/l
RT: 9.925 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

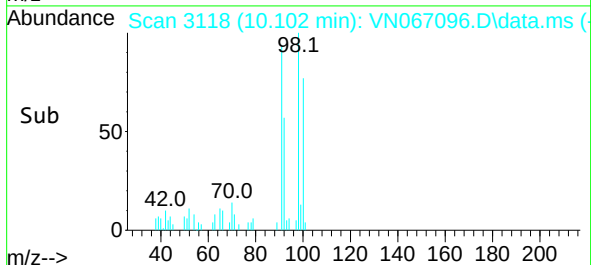
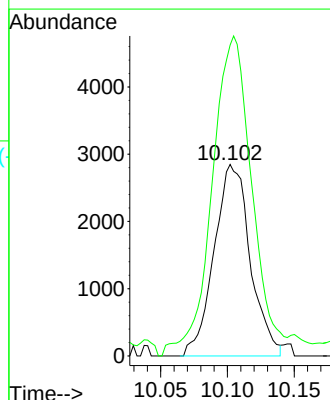
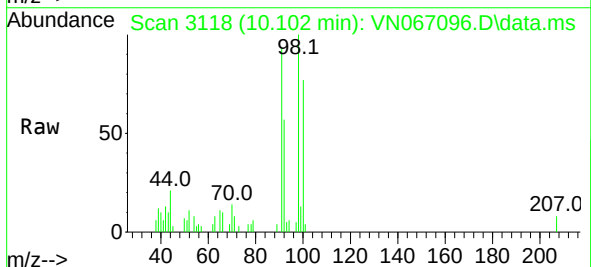
Instrument :
MSVOA_N
ClientSampled :

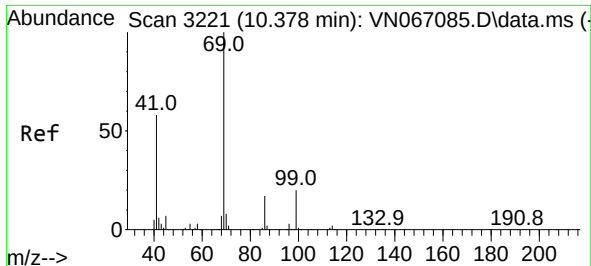
Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
58 0.0 34.5 51.7#



#52
Toluene
Concen: 0.32 ug/l
RT: 10.102 min Scan# 3118
Delta R.T. -0.000 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

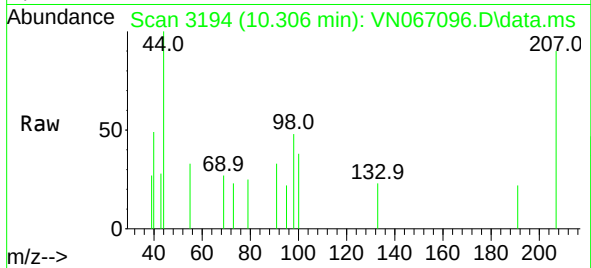
Tgt Ion: 92 Resp: 5364
Ion Ratio Lower Upper
92 100
91 183.9 138.7 208.1



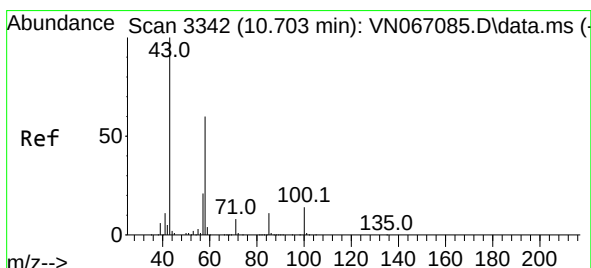
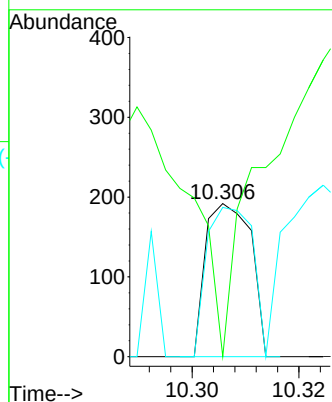
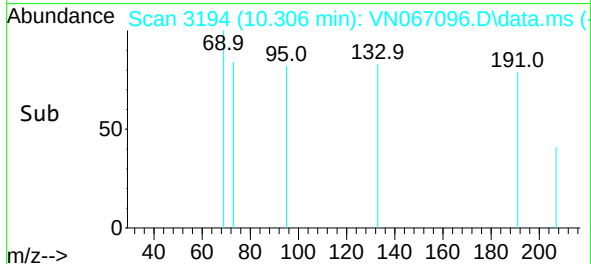


#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.306 min Scan# 3194
Delta R.T. -0.072 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

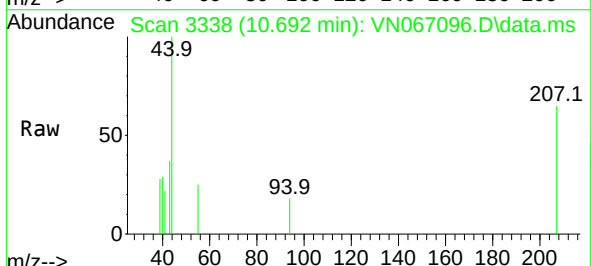
Instrument :
MSVOA_N
ClientSampled :



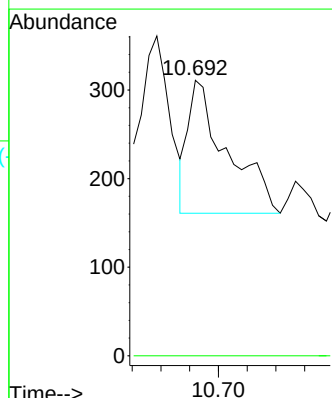
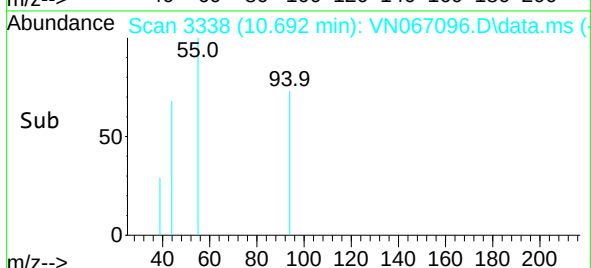
Tgt Ion: 69 Resp: 113
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 98.2 22.9 34.3#

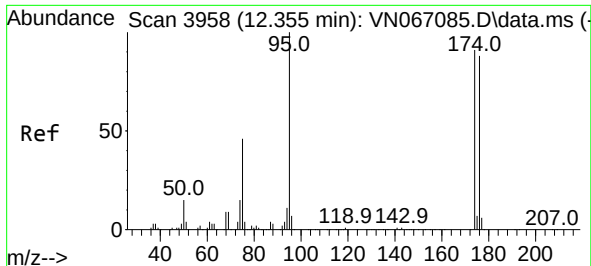


#59
2-Hexanone
Concen: 21.94 ug/l
RT: 10.692 min Scan# 3338
Delta R.T. -0.011 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14



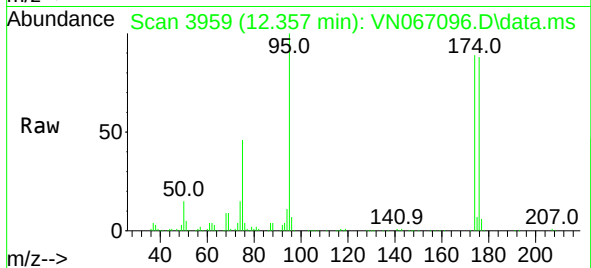
Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



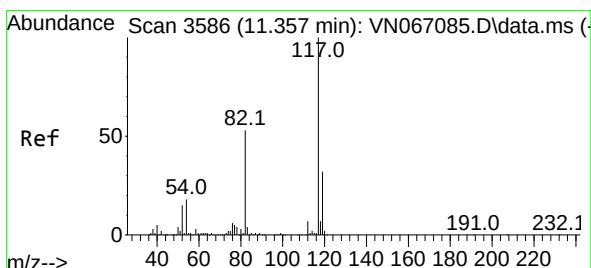
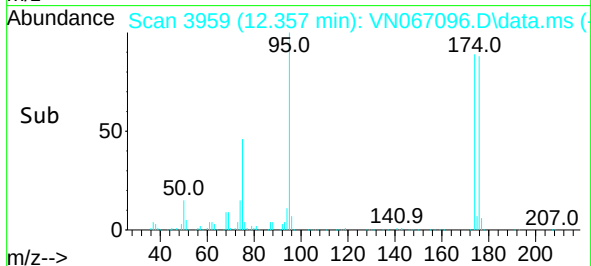
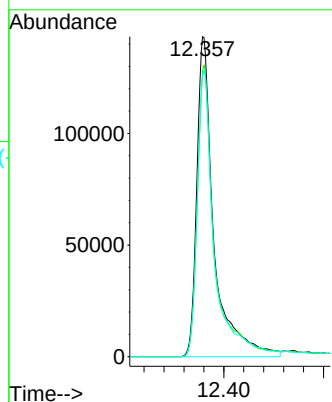


#62
4-Bromofluorobenzene
Concen: 43.71 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Instrument :
MSVOA_N
ClientSampled :

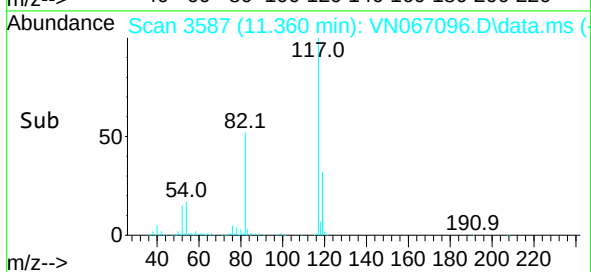
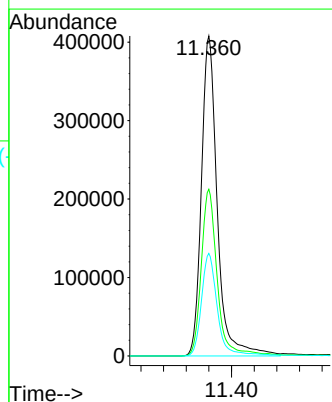
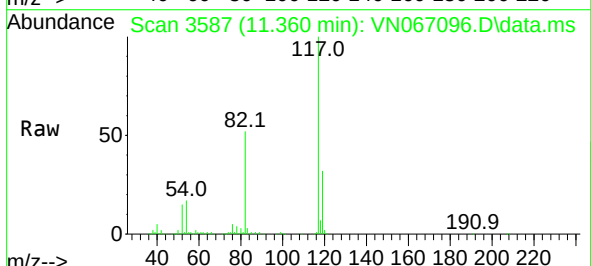


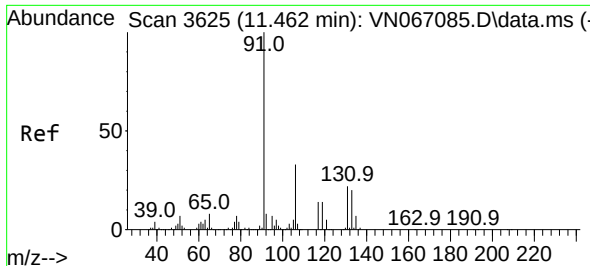
Tgt Ion: 95 Resp: 341863
Ion Ratio Lower Upper
95 100
174 90.7 0.0 182.8
176 88.0 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Tgt Ion: 117 Resp: 793835
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.2
119 32.1 25.8 38.6

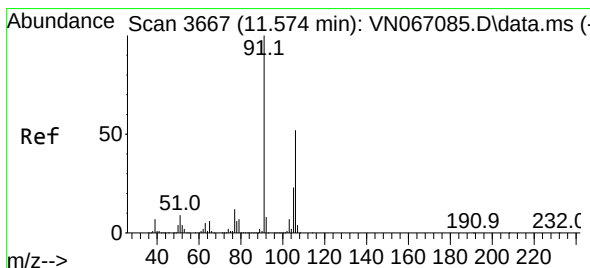
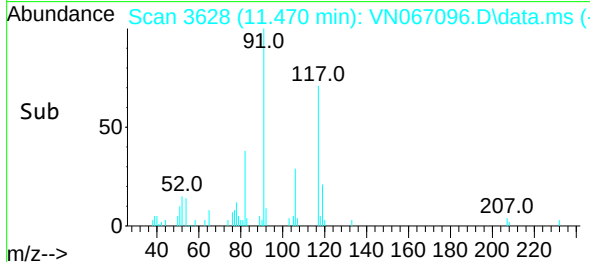
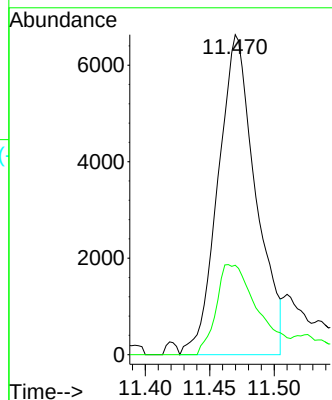
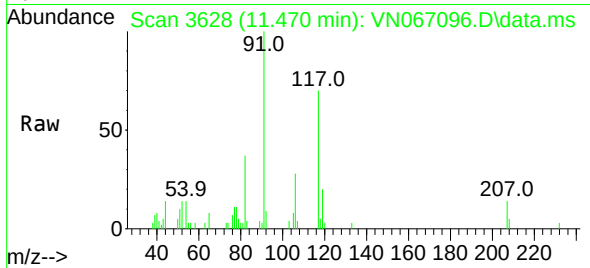




#67
Ethyl Benzene
Concen: 0.45 ug/l
RT: 11.470 min Scan# 3628
Delta R.T. 0.008 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

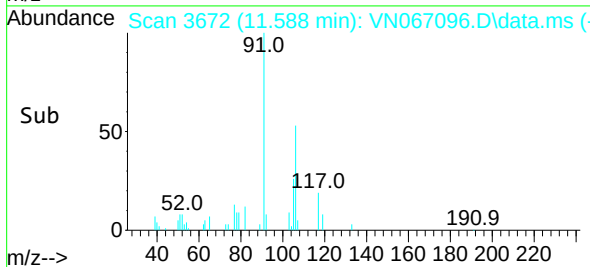
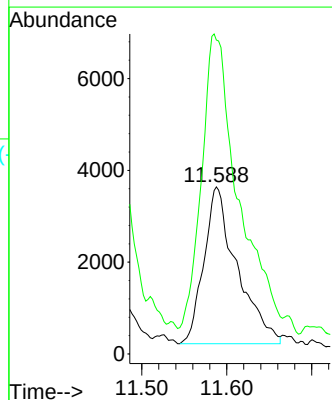
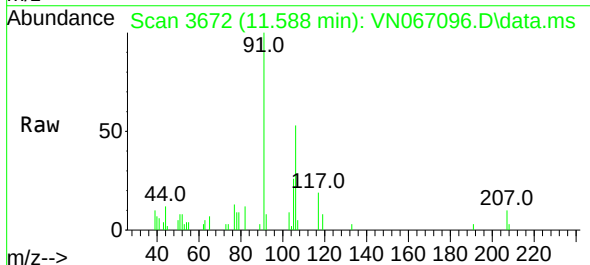
Instrument :
MSVOA_N
ClientSampled :

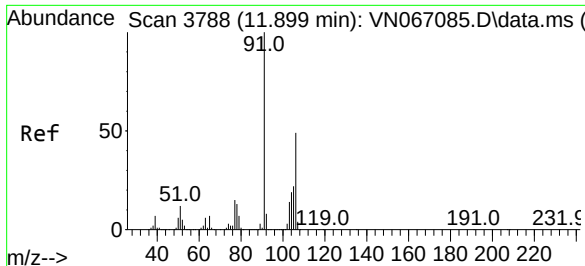
Tgt Ion: 91 Resp: 13456
Ion Ratio Lower Upper
91 100
106 28.0 26.2 39.2



#68
m/p-Xylenes
Concen: 0.80 ug/l
RT: 11.588 min Scan# 3672
Delta R.T. 0.014 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Tgt Ion: 106 Resp: 9259
Ion Ratio Lower Upper
106 100
91 204.7 155.2 232.8

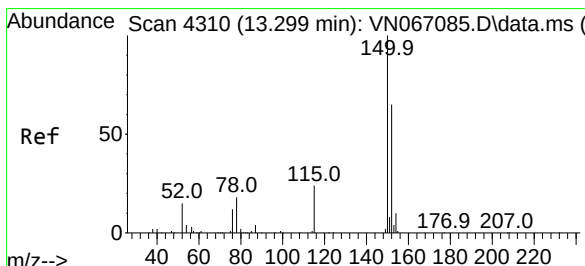
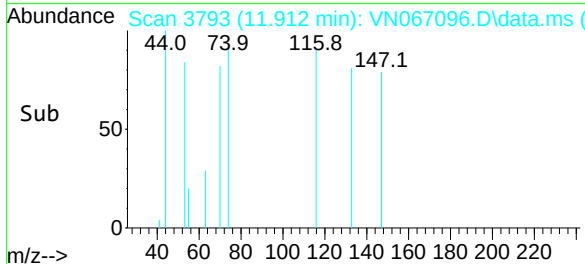
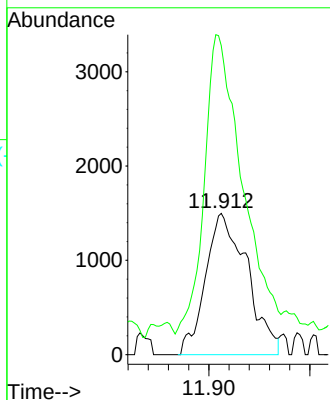
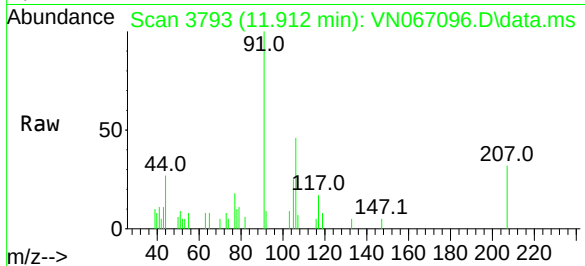




#69
o-Xylene
Concen: 0.37 ug/l
RT: 11.912 min Scan# 3793
Delta R.T. 0.013 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

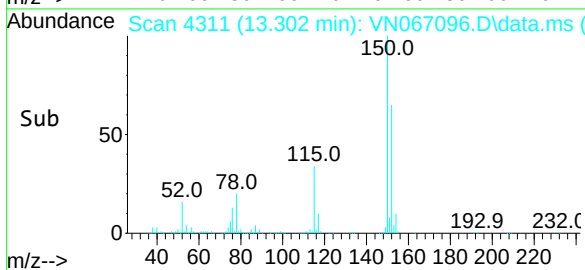
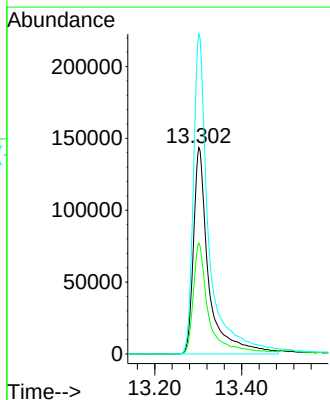
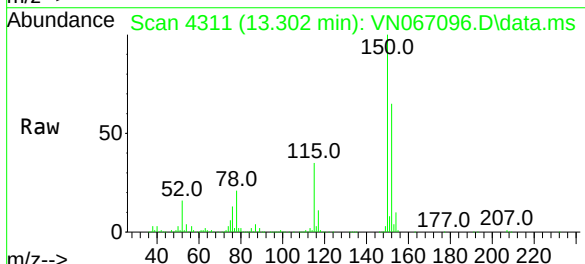
Instrument :
MSVOA_N
ClientSampleId :

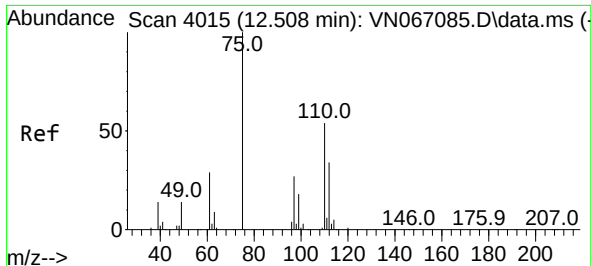
Tgt Ion:106 Resp: 4284
Ion Ratio Lower Upper
106 100
91 192.9 102.3 306.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.302 min Scan# 4311
Delta R.T. 0.003 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Tgt Ion:152 Resp: 352051
Ion Ratio Lower Upper
152 100
115 53.7 27.0 80.8
150 154.8 0.0 350.2

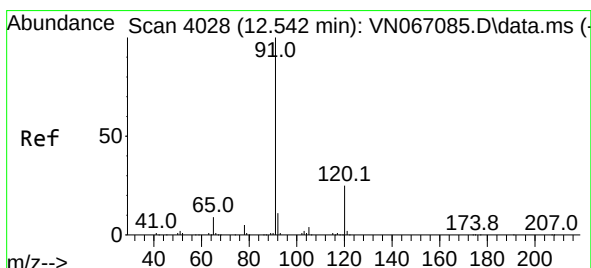
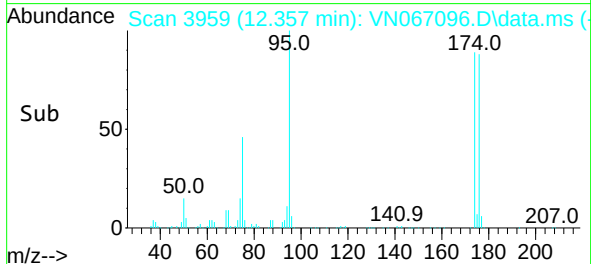
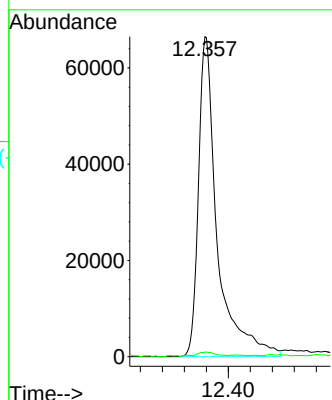
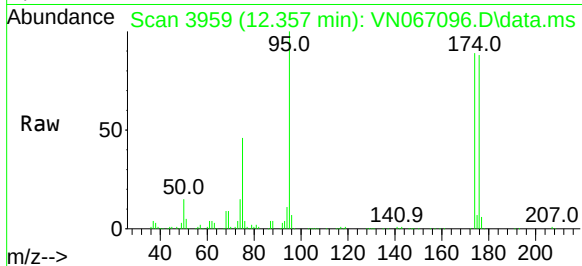




#76
1,2,3-Trichloropropane
Concen: 21.22 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. -0.151 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

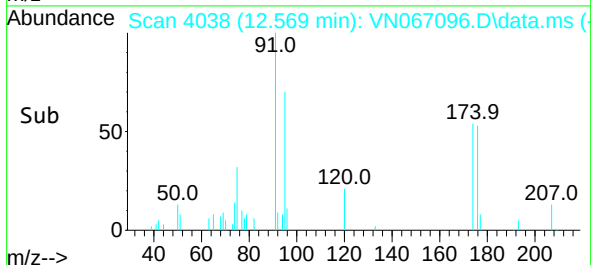
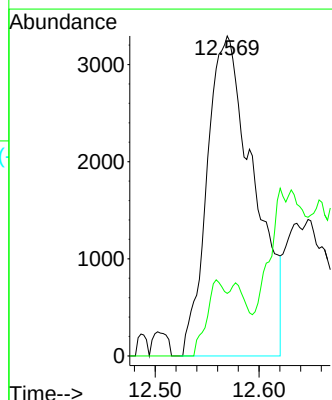
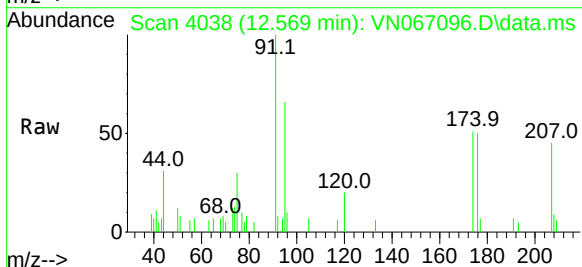
Instrument :
MSVOA_N
ClientSampled :

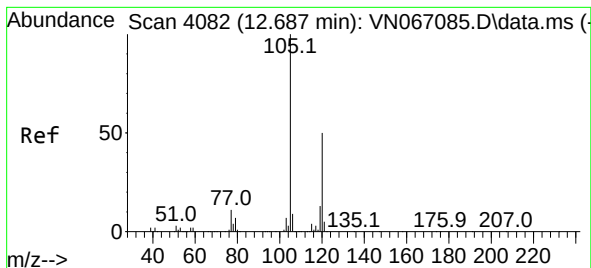
Tgt Ion: 75 Resp: 157624
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#78
n-propylbenzene
Concen: 0.35 ug/l
RT: 12.569 min Scan# 4038
Delta R.T. 0.027 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Tgt Ion: 91 Resp: 10264
Ion Ratio Lower Upper
91 100
120 9.7 12.7 38.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.70 ug/l

RT: 12.695 min Scan# 4085

Delta R.T. 0.008 min

Lab File: VN067096.D

Acq: 17 May 2021 13:14

Tgt Ion:105 Resp: 17249

Ion Ratio Lower Upper

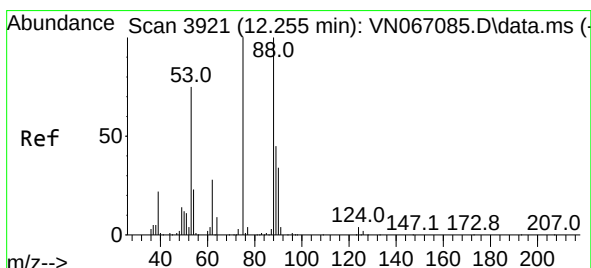
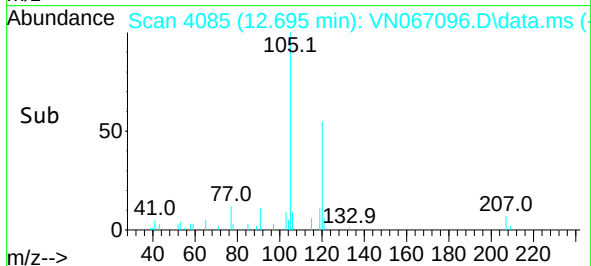
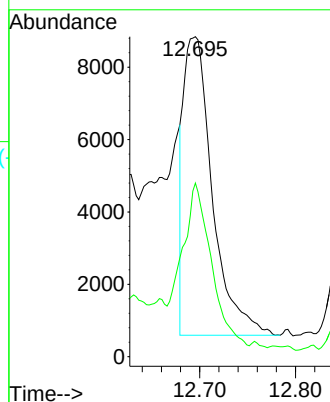
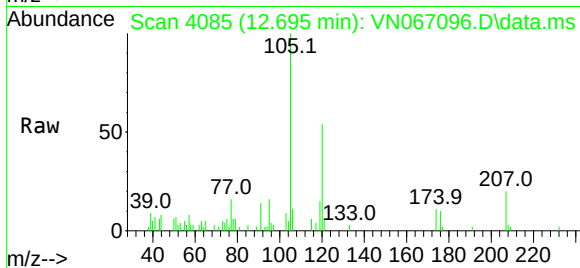
105 100

120 55.7 25.0 75.0

Instrument :

MSVOA_N

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 63.91 ug/l

RT: 12.357 min Scan# 3959

Delta R.T. 0.102 min

Lab File: VN067096.D

Acq: 17 May 2021 13:14

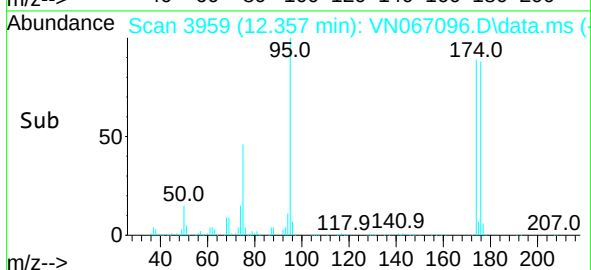
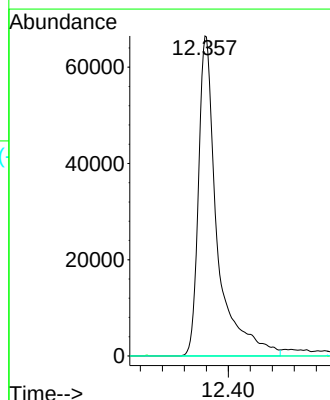
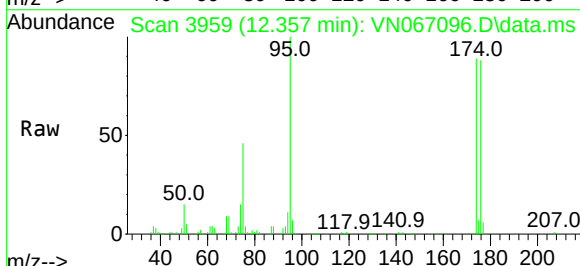
Tgt Ion: 75 Resp: 157624

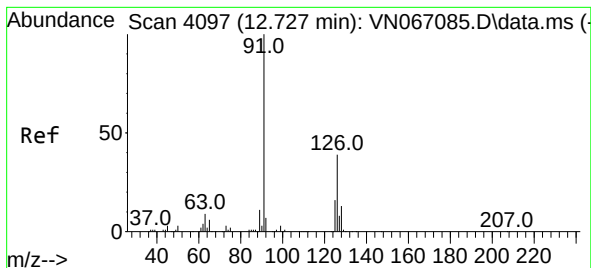
Ion Ratio Lower Upper

75 100

53 0.0 66.3 99.5#

89 0.0 39.5 59.3#

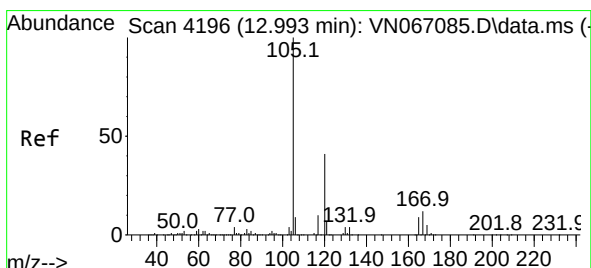
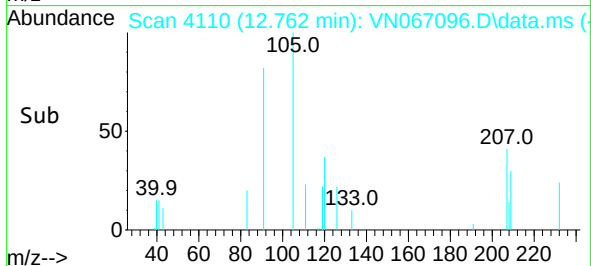
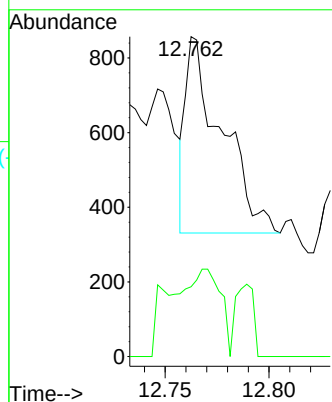
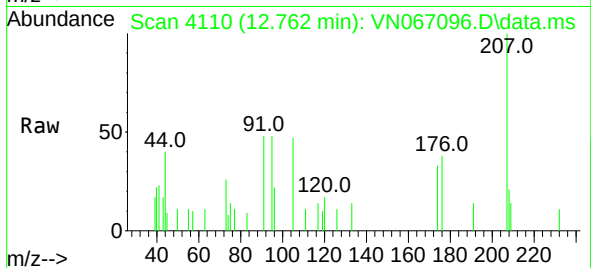




#82
4-Chlorotoluene
Concen: 1.21 ug/l
RT: 12.762 min Scan# 4110
Delta R.T. 0.035 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

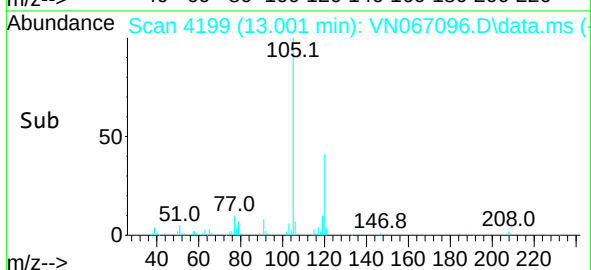
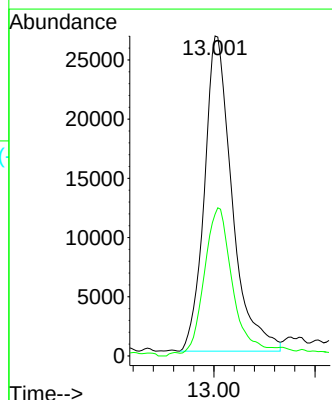
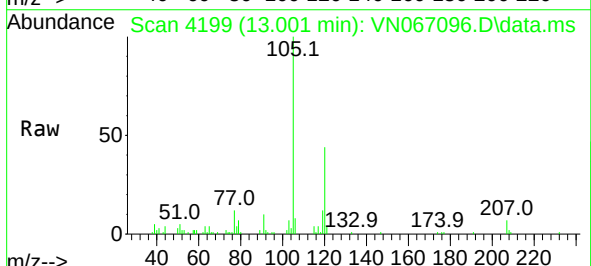
Instrument :
MSVOA_N
ClientSampled :

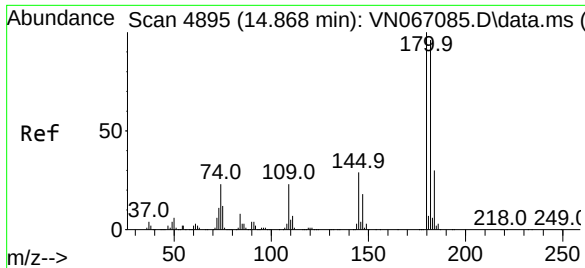
Tgt Ion: 91 Resp: 636
Ion Ratio Lower Upper
91 100
126 30.7 17.7 53.1



#84
1,2,4-Trimethylbenzene
Concen: 2.25 ug/l
RT: 13.001 min Scan# 4199
Delta R.T. 0.008 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

Tgt Ion: 105 Resp: 50780
Ion Ratio Lower Upper
105 100
120 46.1 23.8 71.2

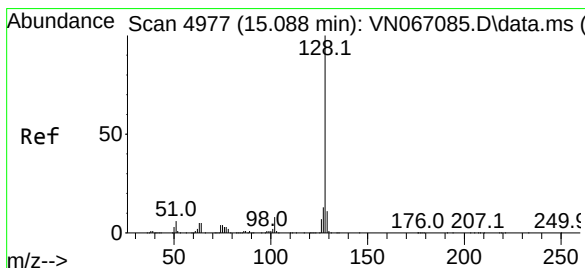
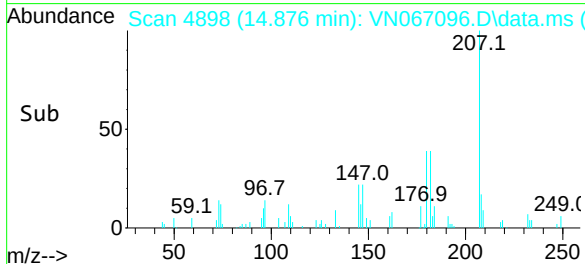
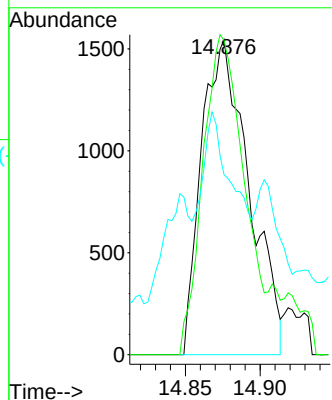
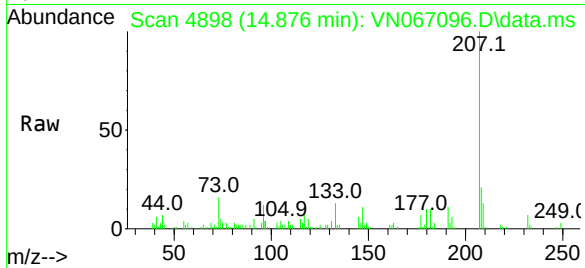




#93
1,2,4-Trichlorobenzene
Concen: 0.55 ug/l
RT: 14.876 min Scan# 4898
Delta R.T. 0.008 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

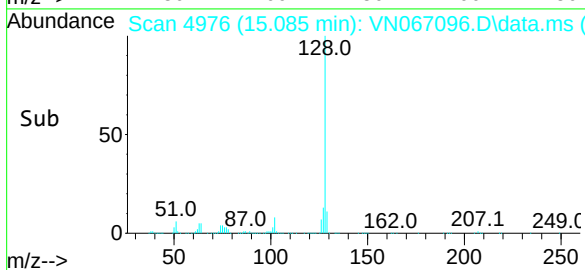
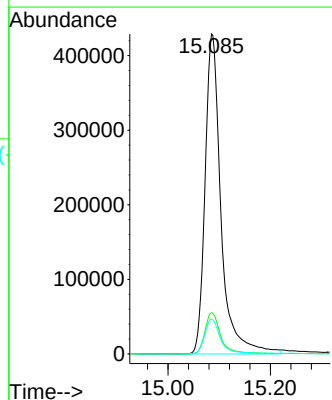
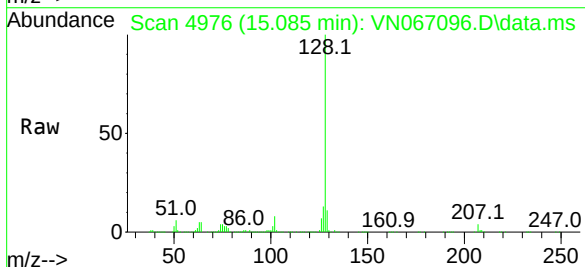
Instrument :
MSVOA_N
ClientSampled :

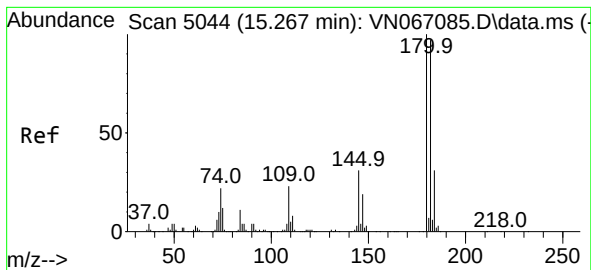
Tgt Ion:180 Resp: 3408
Ion Ratio Lower Upper
180 100
182 88.8 47.3 141.8
145 21.8 14.0 42.0



#95
Naphthalene
Concen: 61.24 ug/l
RT: 15.085 min Scan# 4976
Delta R.T. -0.003 min
Lab File: VN067096.D
Acq: 17 May 2021 13:14

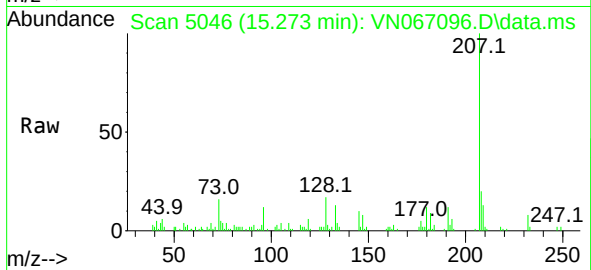
Tgt Ion:128 Resp: 927927
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.72 ug/l
 RT: 15.273 min Scan# 5046
 Delta R.T. 0.006 min
 Lab File: VN067096.D
 Acq: 17 May 2021 13:14

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.5	145.6
145	46.8	15.4	46.2#

