

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080321\
 Data File : VN067981.D
 Acq On : 3 Aug 2021 14:58
 Operator : JC/MD
 Sample : M3269-02 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

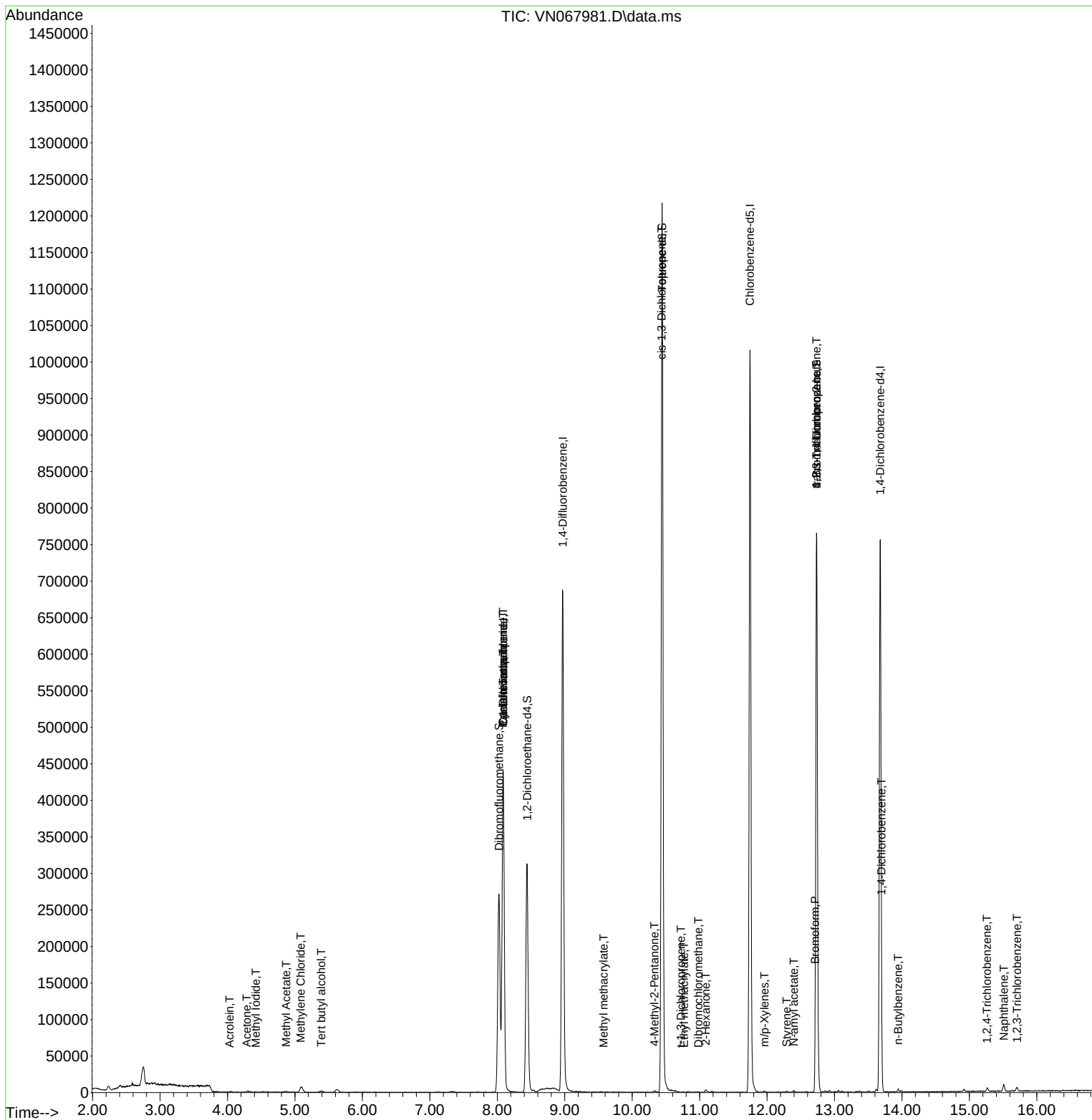
Quant Time: Aug 04 03:38:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

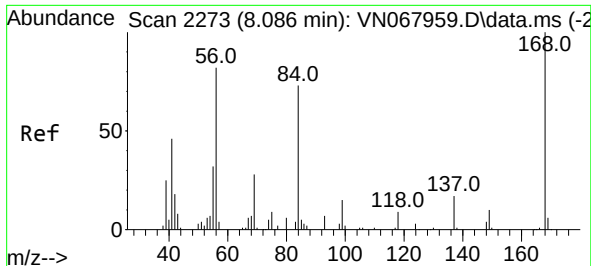
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	321776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	606082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	590569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	199981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	269610	59.186	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 118.380%			
35) Dibromofluoromethane	8.027	113	201253	56.977	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 113.960%			
50) Toluene-d8	10.443	98	845118	51.701	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.400%			
62) 4-Bromofluorobenzene	12.733	95	274471	46.399	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.800%			
Target Compounds						Qvalue
10) Methyl Iodide	4.419	142	362	3.200	ug/l #	33
11) Tert butyl alcohol	5.390	59	144	0.236	ug/l #	81
13) Acrolein	4.030	56	230	0.555	ug/l #	1
16) Acetone	4.285	43	783	0.471	ug/l #	89
18) Methyl Acetate	4.870	43	1458	0.263	ug/l #	76
20) Methylene Chloride	5.087	84	4522	0.899	ug/l #	76
31) Cyclohexane	8.086	56	7821	1.164	ug/l #	2
36) 1,1-Dichloropropene	8.086	75	28713	5.122	ug/l #	52
38) Carbon Tetrachloride	8.086	117	34887	6.328	ug/l #	17
48) Methyl methacrylate	9.577	41	26	2.311	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	1700	12.819	ug/l #	77
53) t-1,3-Dichloropropene	10.725	75	53	2.840	ug/l #	43
54) cis-1,3-Dichloropropene	10.435	75	117	2.370	ug/l #	1
56) Ethyl methacrylate	10.770	69	143	3.117	ug/l #	43
59) 2-Hexanone	11.089	43	2912	13.892	ug/l	86
60) Dibromochloromethane	10.982	129	261	3.349	ug/l #	11
68) m/p-Xylenes	11.961	106	576	4.121	ug/l	92
70) Styrene	12.291	104	234	2.646	ug/l #	76
71) Bromoform	12.712	173	138	4.064	ug/l #	29
74) N-amyl acetate	12.396	43	1325	0.234	ug/l #	71
76) 1,2,3-Trichloropropane	12.733	75	152466	37.963	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	152466	101.341	ug/l #	6
88) 1,4-Dichlorobenzene	13.696	146	1684	0.248	ug/l #	50
89) n-Butylbenzene	13.943	91	2569	0.245	ug/l	96
93) 1,2,4-Trichlorobenzene	15.260	180	1587	2.986	ug/l	91
95) Naphthalene	15.512	128	8394	4.064	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	1893	3.023	ug/l	93

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

Quant Time: Aug 04 03:38:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

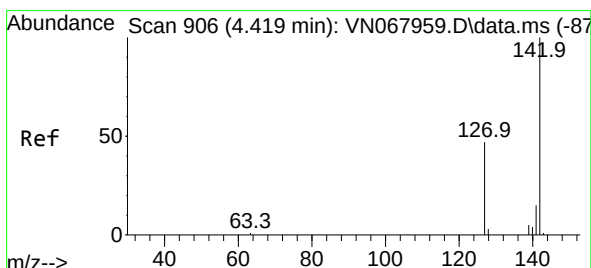
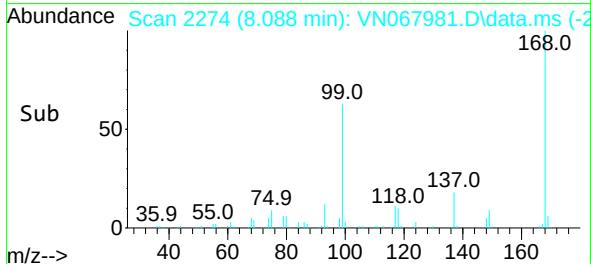
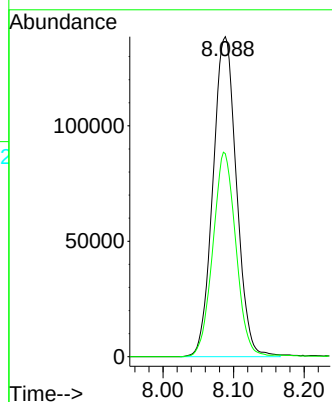
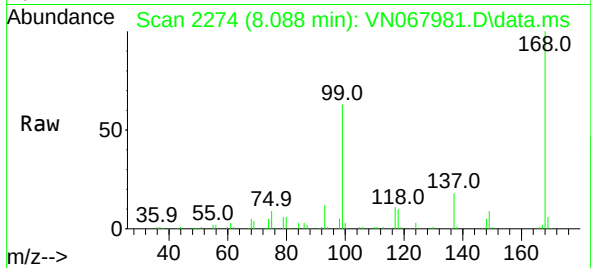




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

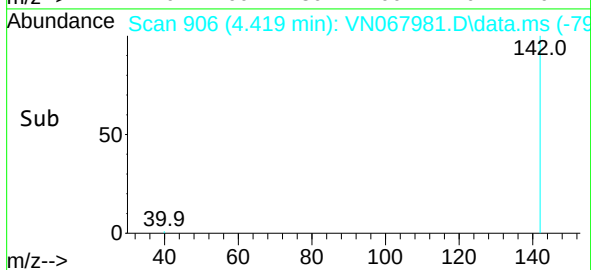
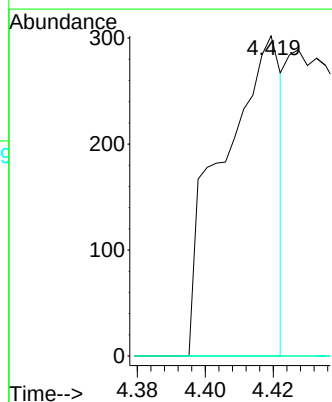
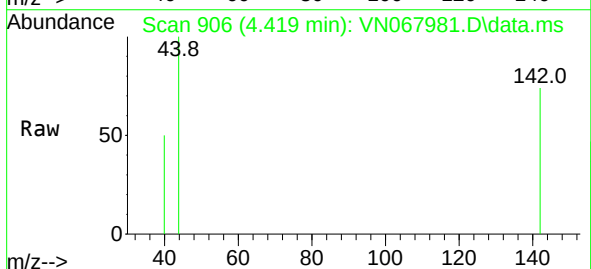
Instrument :
MSVOA_N
ClientSampleId :

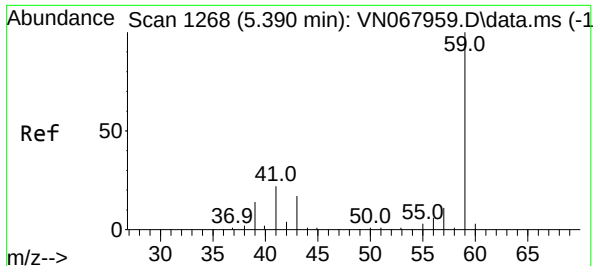
Tgt Ion:168 Resp: 321776
Ion Ratio Lower Upper
168 100
99 63.4 62.9 94.3



#10
Methyl Iodide
Concen: 3.200 ug/l
RT: 4.419 min Scan# 906
Delta R.T. 0.000 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Tgt Ion:142 Resp: 362
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



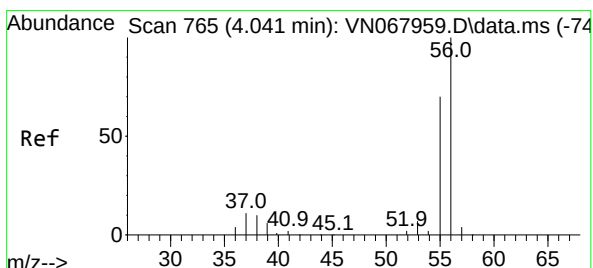
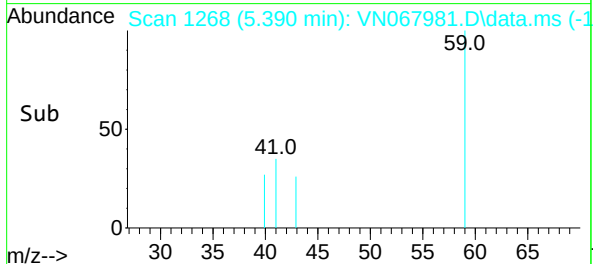
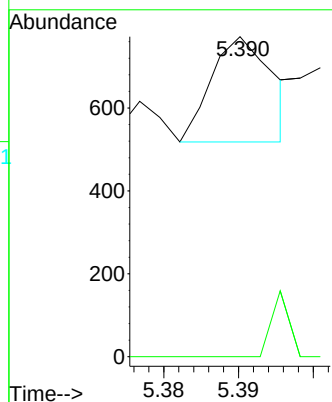
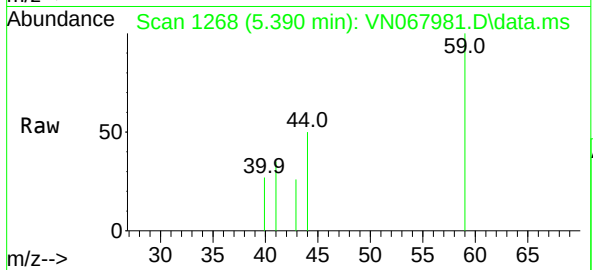


#11

Tert butyl alcohol
Concen: 0.236 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Instrument :
MSVOA_N
ClientSampled :

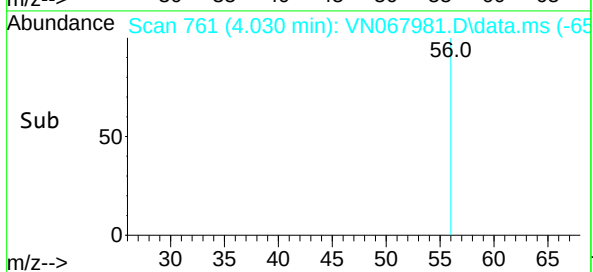
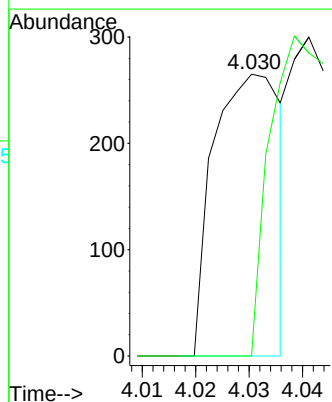
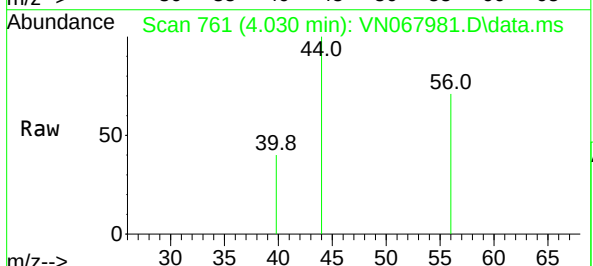
Tgt Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 18.1 8.7 13.1#

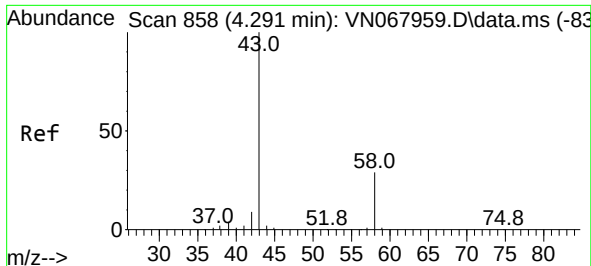


#13

Acrolein
Concen: 0.555 ug/l
RT: 4.030 min Scan# 761
Delta R.T. -0.011 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 183.9 57.4 86.0#

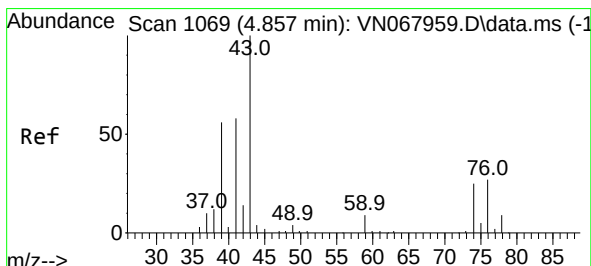
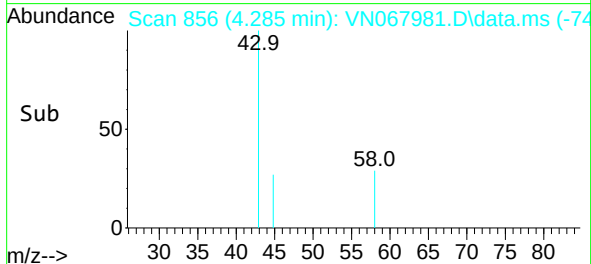
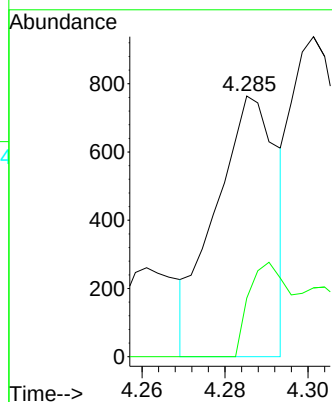
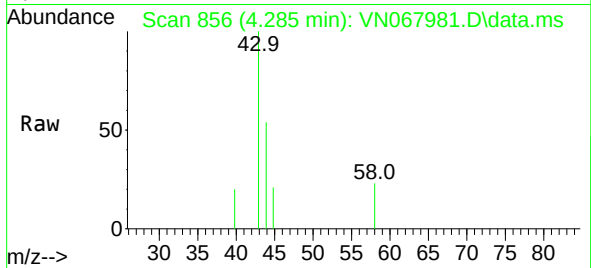




#16
Acetone
Concen: 0.471 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.006 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

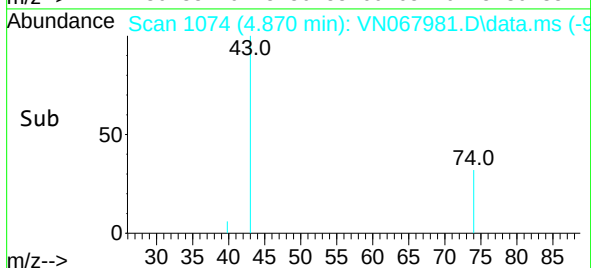
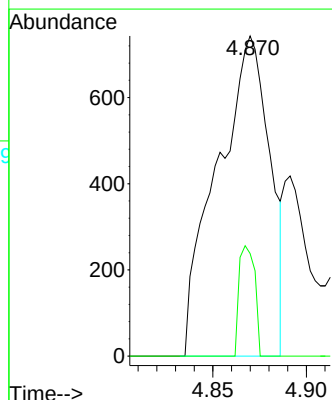
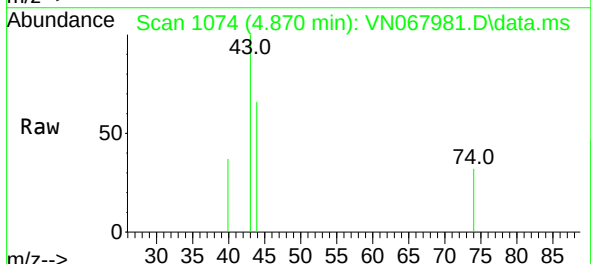
Instrument :
MSVOA_N
ClientSampled :

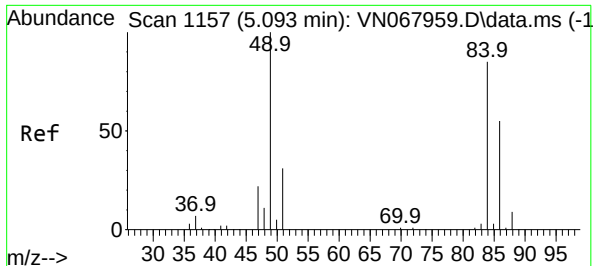
Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
58 32.0 21.2 31.8#



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.013 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

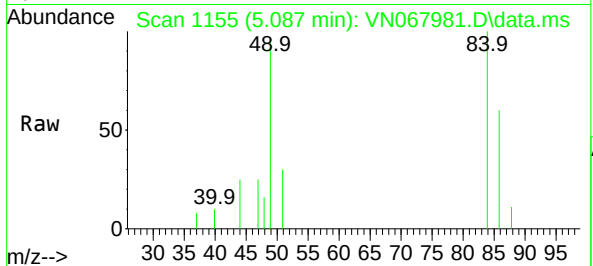
Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
74 10.2 17.4 26.0#





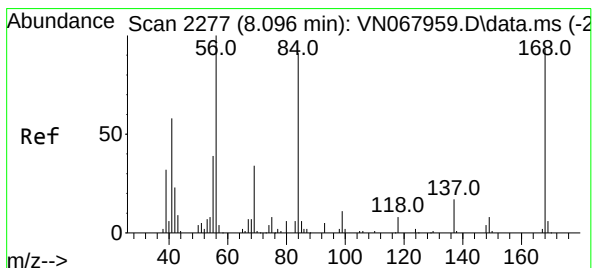
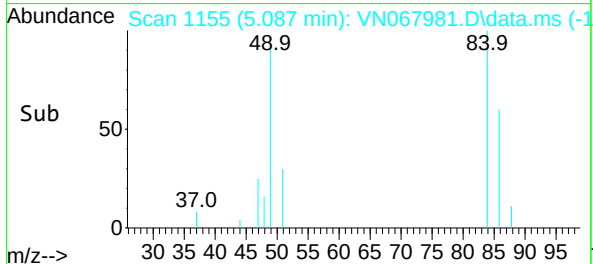
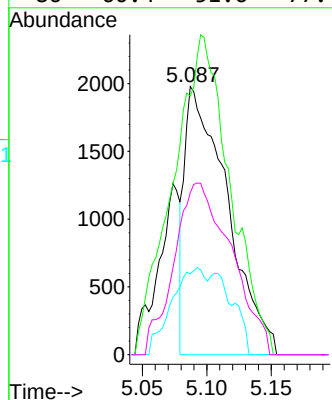
#20
Methylene Chloride
Concen: 0.899 ug/l
RT: 5.087 min Scan# 1155
Delta R.T. -0.006 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Instrument :
MSVOA_N
ClientSampled :

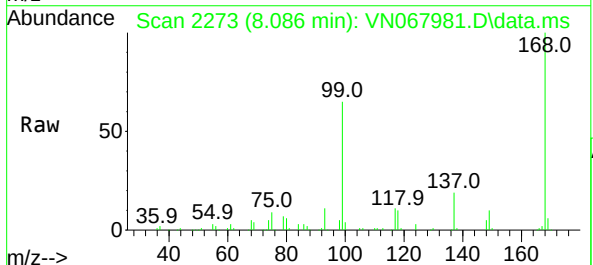


Tgt Ion: 84 Resp: 4522

Ion	Ratio	Lower	Upper
84	100		
49	96.4	110.9	166.3#
51	30.1	32.6	49.0#
86	60.4	51.6	77.4

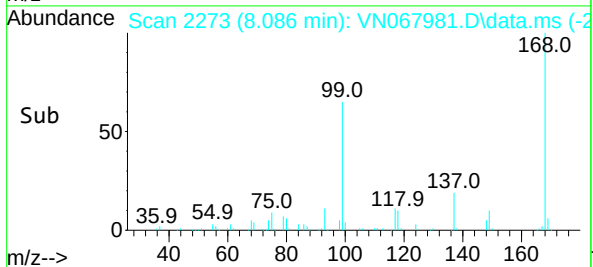
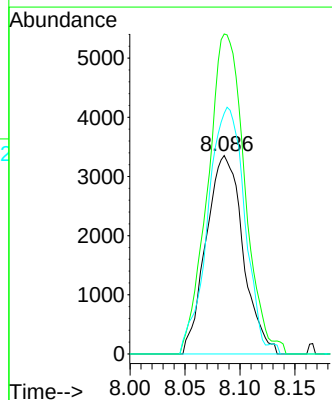


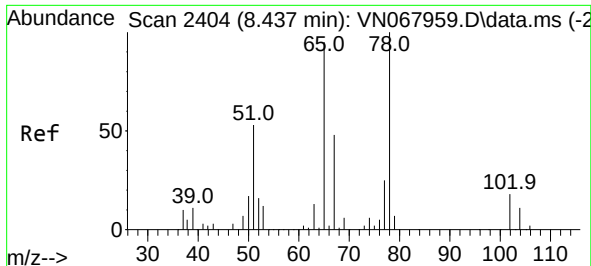
#31
Cyclohexane
Concen: 1.164 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58



Tgt Ion: 56 Resp: 7821

Ion	Ratio	Lower	Upper
56	100		
69	161.3	27.3	40.9#
84	121.4	64.9	97.3#

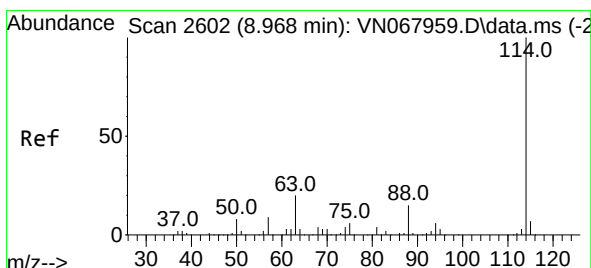
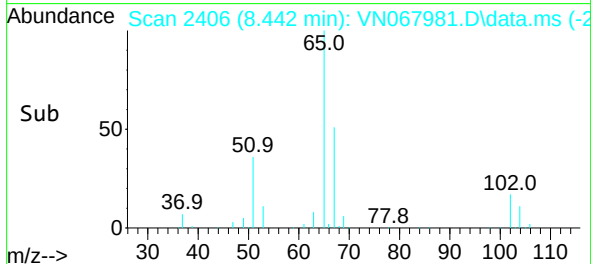
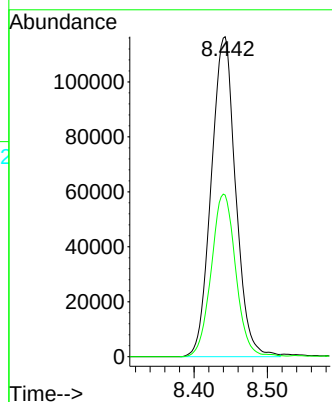
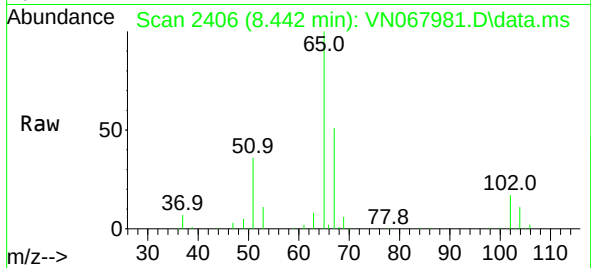




#33
 1,2-Dichloroethane-d4
 Concen: 59.186 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.005 min
 Lab File: VN067981.D
 Acq: 3 Aug 2021 14:58

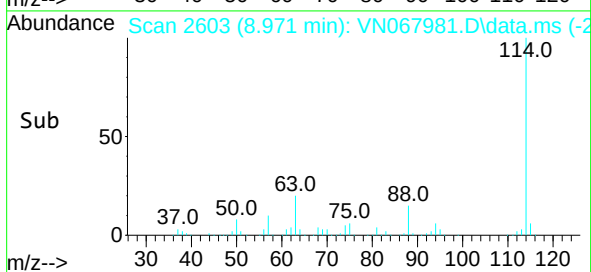
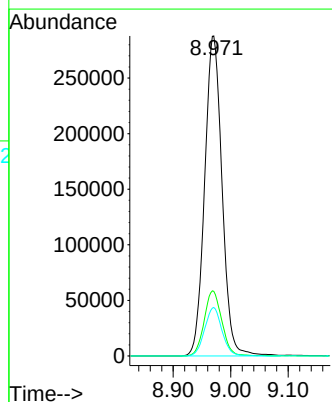
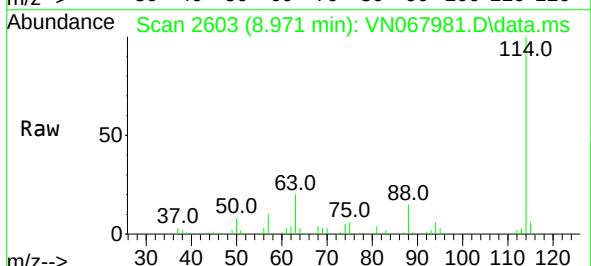
Instrument :
 MSVOA_N
 ClientSampled :

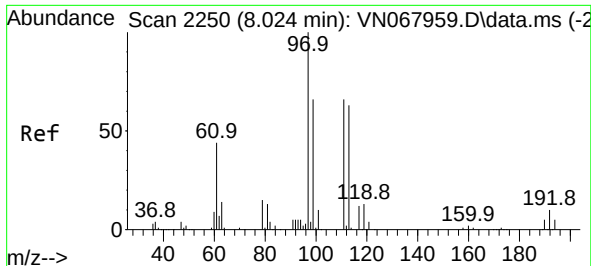
Tgt Ion: 65 Resp: 269610
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067981.D
 Acq: 3 Aug 2021 14:58

Tgt Ion: 114 Resp: 606082
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 49.0
 88 15.2 0.0 36.6

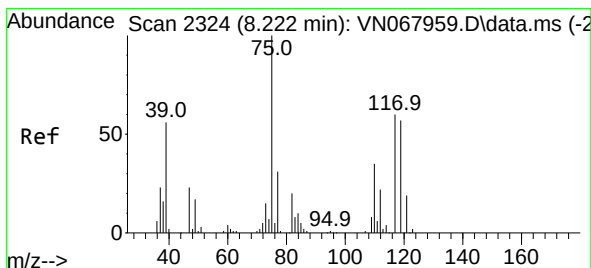
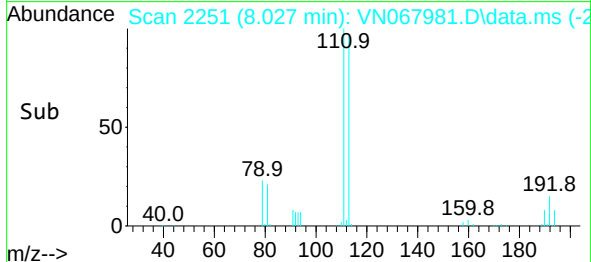
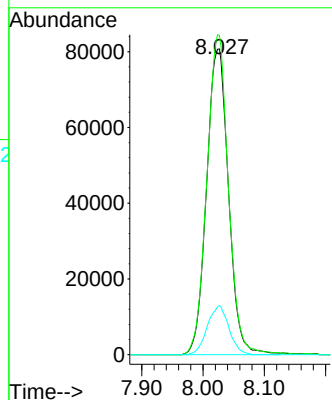
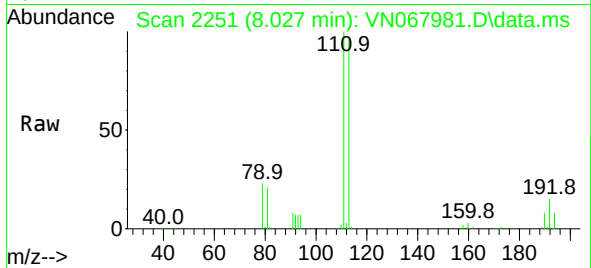




#35
Dibromofluoromethane
Concen: 56.977 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

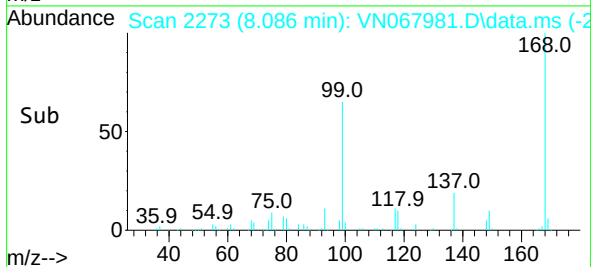
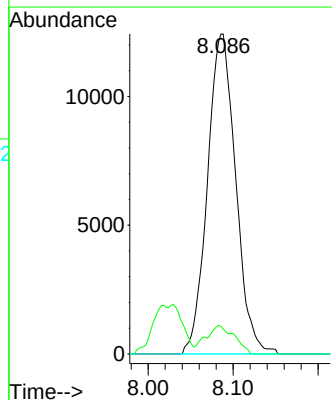
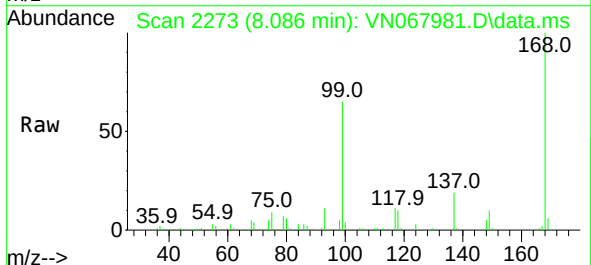
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ClientSampleId :

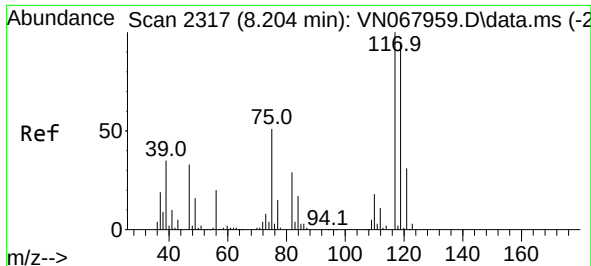
Tgt Ion:113 Resp: 201253
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 15.8 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.122 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

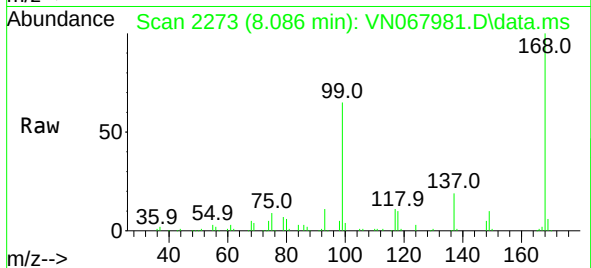
Tgt Ion: 75 Resp: 28713
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#



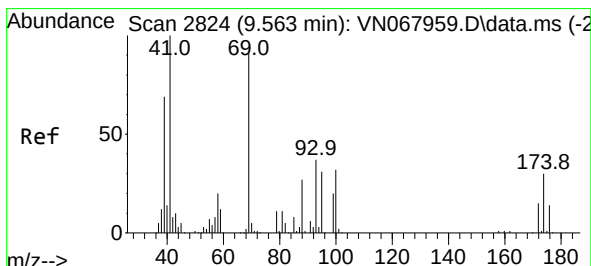
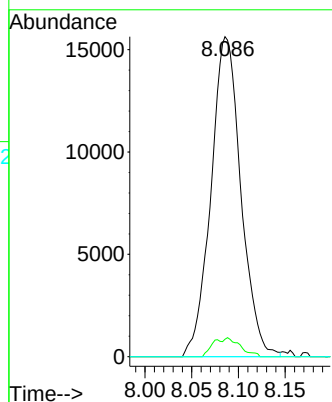
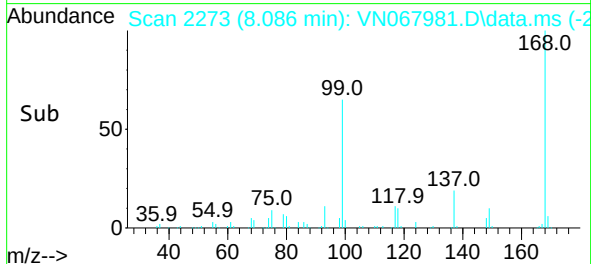


#38
Carbon Tetrachloride
Concen: 6.328 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

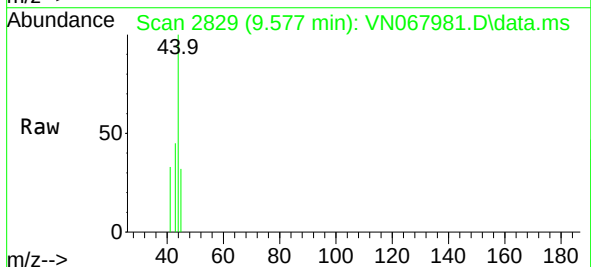
Instrument :
MSVOA_N
ClientSampleId :



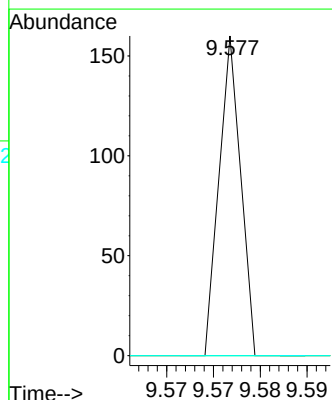
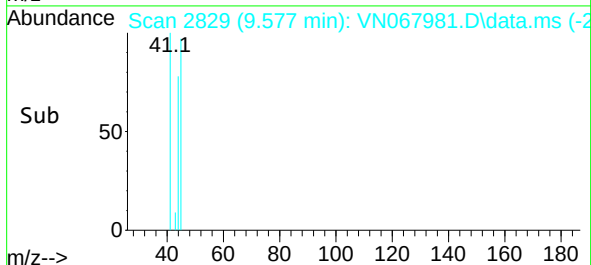
Tgt Ion:117 Resp: 34887
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#

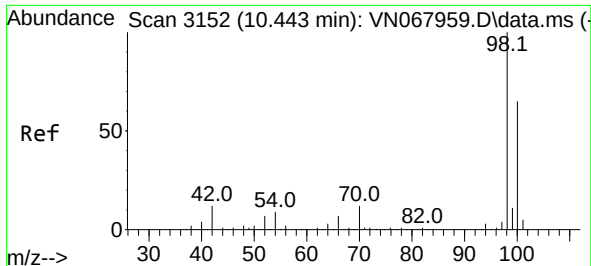


#48
Methyl methacrylate
Concen: 2.311 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.014 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58



Tgt Ion: 41 Resp: 26
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 353.8 53.3 79.9#

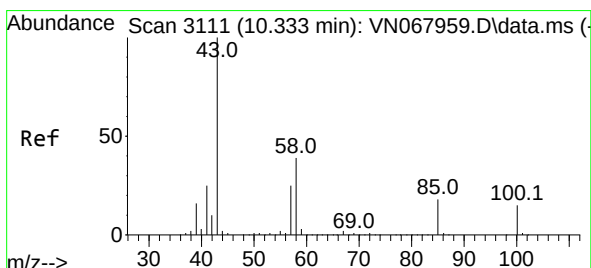
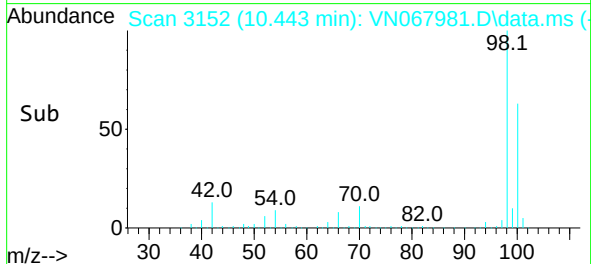
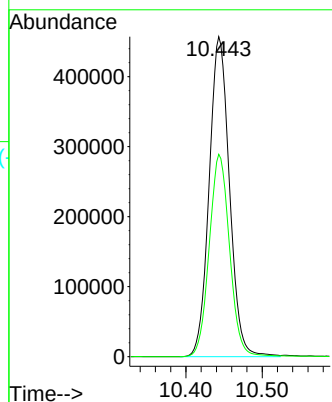
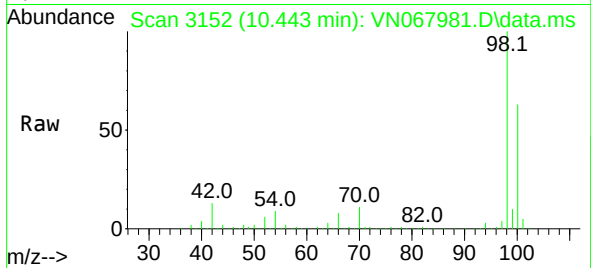




#50
Toluene-d8
Concen: 51.701 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

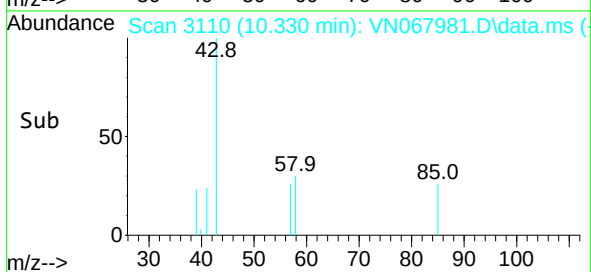
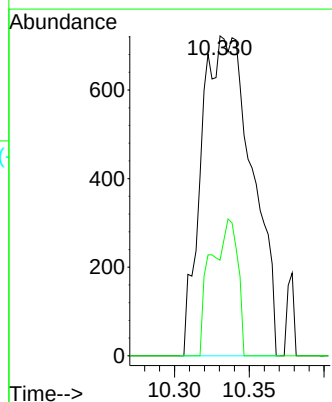
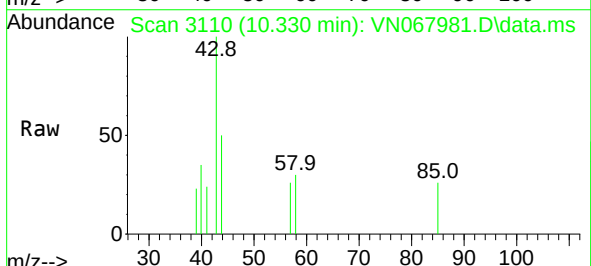
Instrument :
MSVOA_N
ClientSampled :

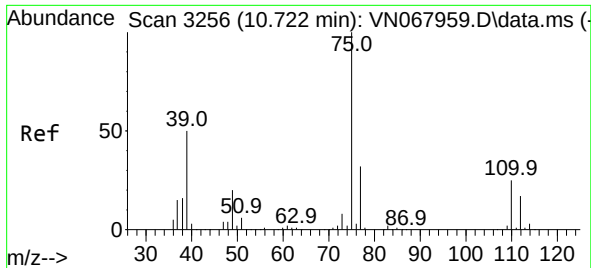
Tgt Ion: 98 Resp: 845118
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.819 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
58 22.4 28.6 43.0#

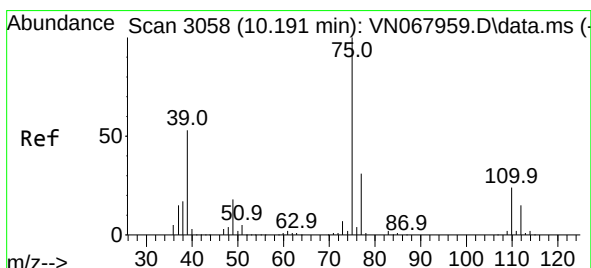
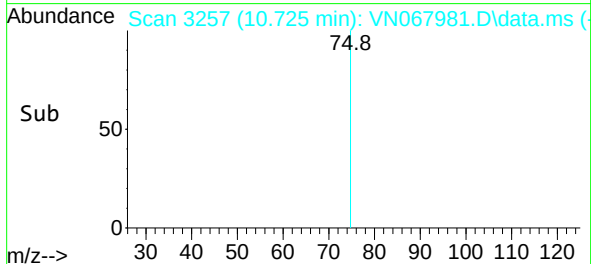
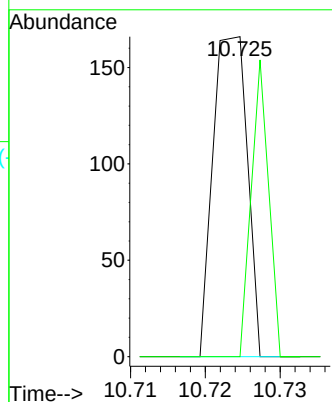
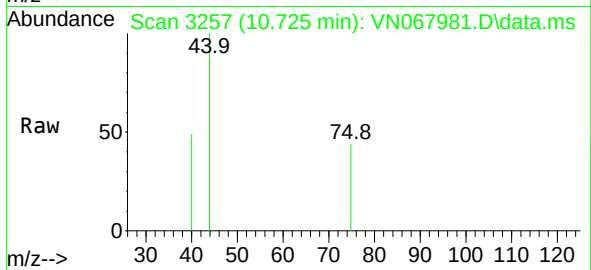




#53
t-1,3-Dichloropropene
Concen: 2.840 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

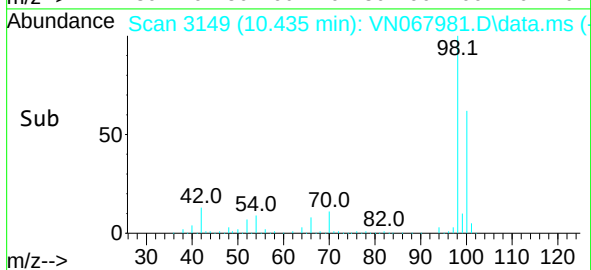
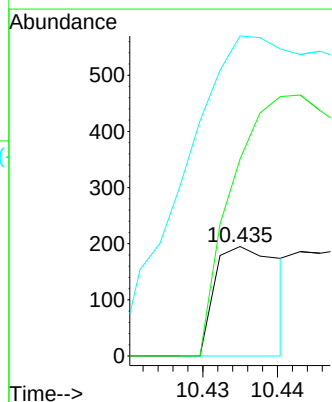
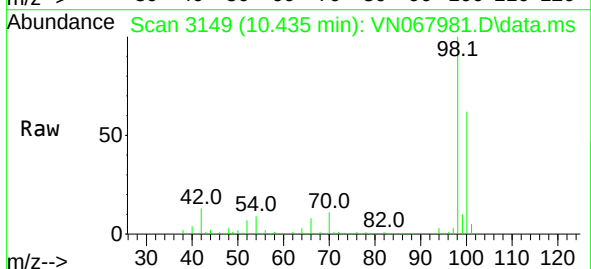
Instrument :
MSVOA_N
ClientSampled :

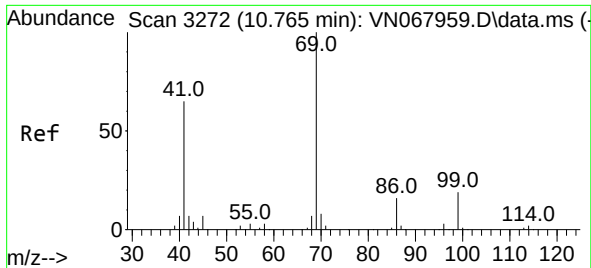
Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.370 ug/l
RT: 10.435 min Scan# 3149
Delta R.T. 0.244 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Tgt Ion: 75 Resp: 117
Ion Ratio Lower Upper
75 100
77 180.0 24.6 37.0#
39 137.4 50.7 76.1#

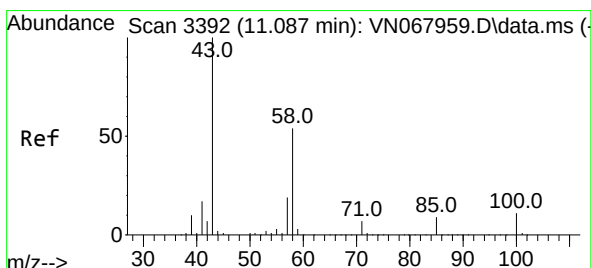
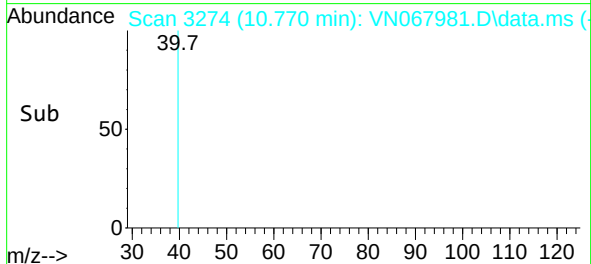
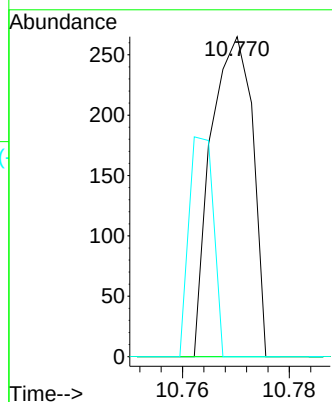
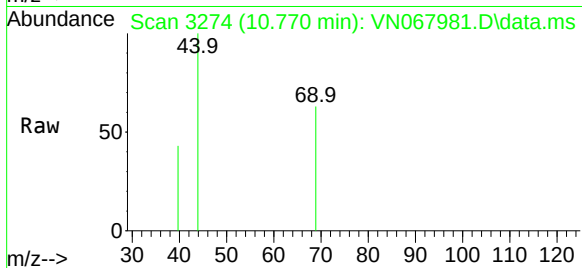




#56
Ethyl methacrylate
Concen: 3.117 ug/l
RT: 10.770 min Scan# 3274
Delta R.T. 0.005 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

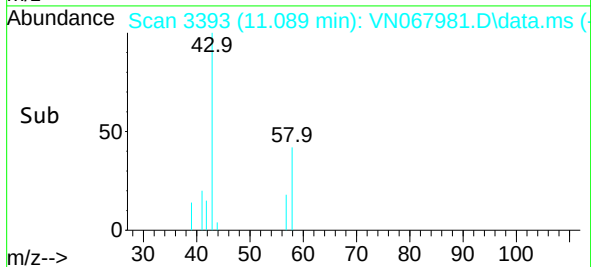
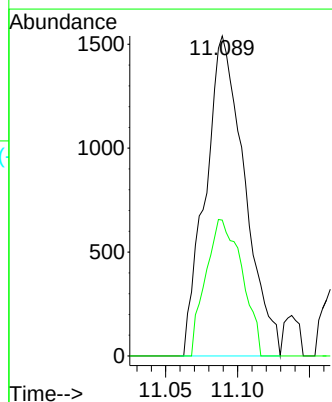
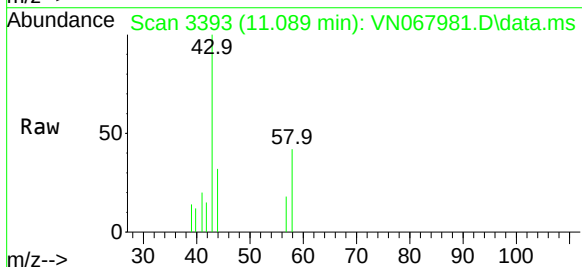
Instrument :
MSVOA_N
ClientSampleId :

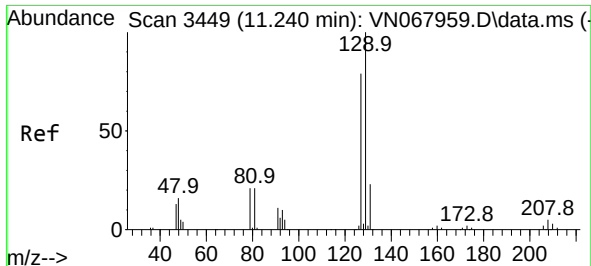
Tgt Ion: 69 Resp: 143
Ion Ratio Lower Upper
69 100
41 0.0 58.6 88.0#
39 40.6 38.3 57.5



#59
2-Hexanone
Concen: 13.892 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Tgt Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
58 39.5 24.7 74.1

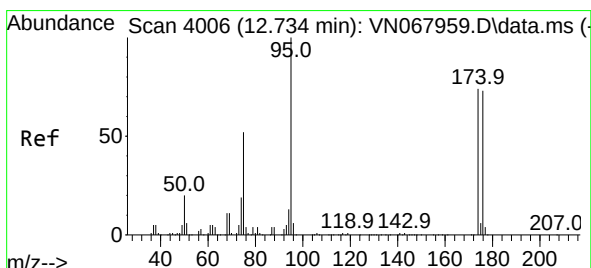
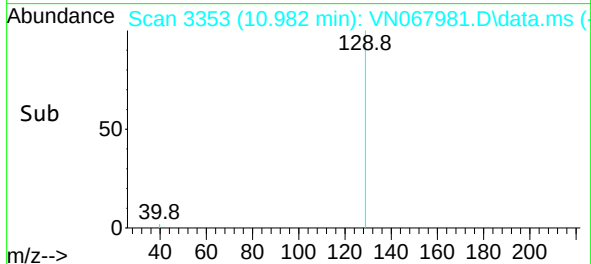
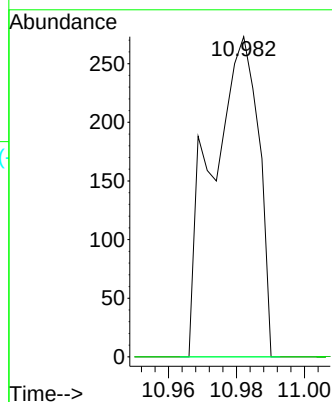
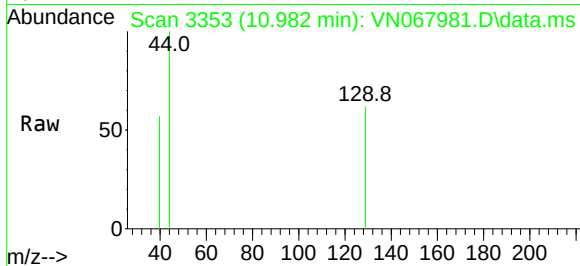




#60
Dibromochloromethane
Concen: 3.349 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

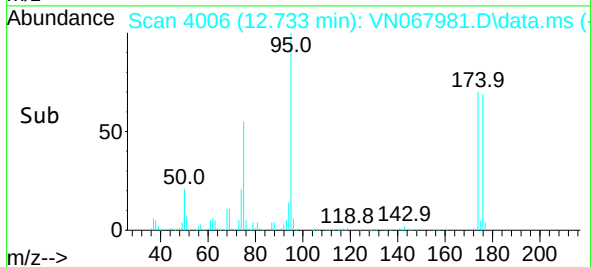
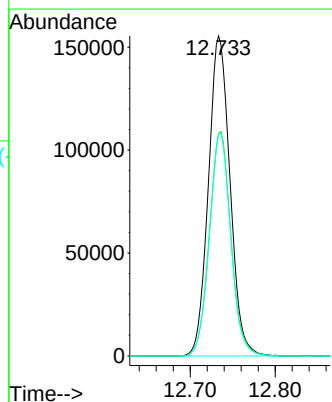
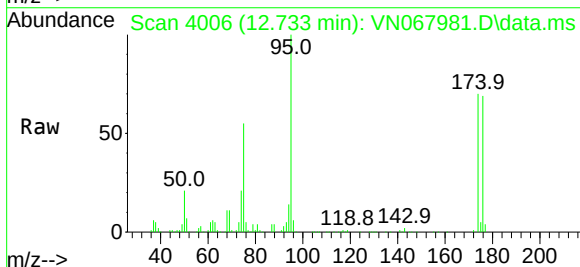
Instrument :
MSVOA_N
ClientSampleId :

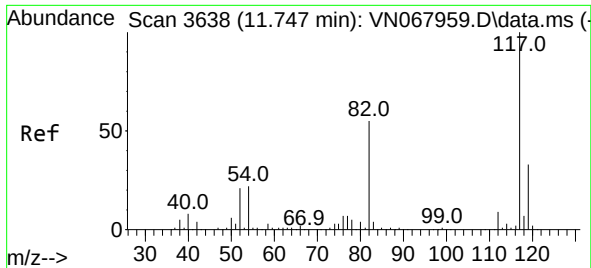
Tgt Ion:129 Resp: 261
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 46.399 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Tgt Ion: 95 Resp: 274471
Ion Ratio Lower Upper
95 100
174 70.1 0.0 122.0
176 68.6 0.0 117.6

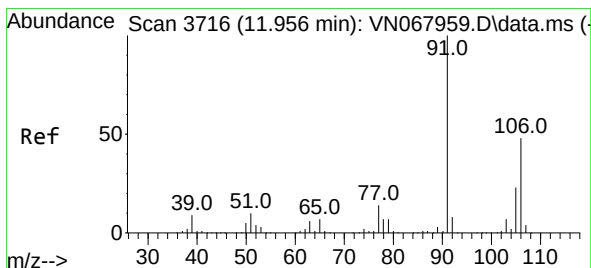
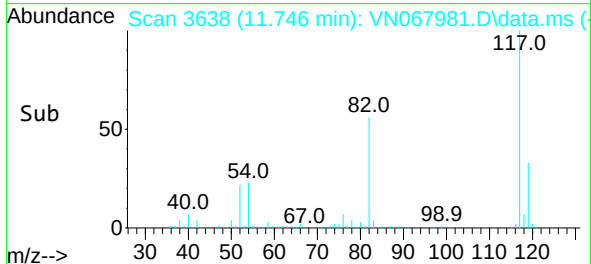
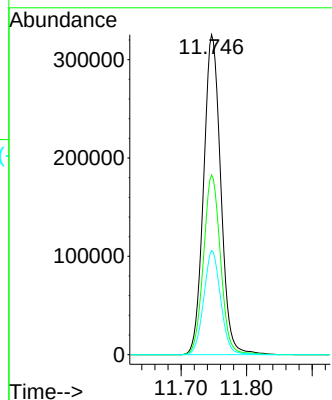
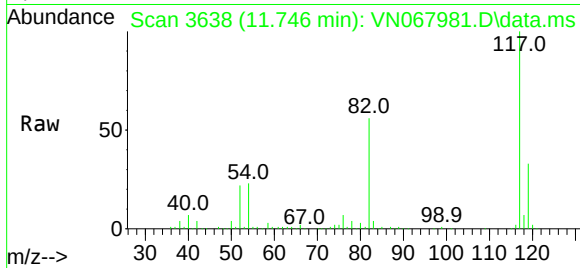




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

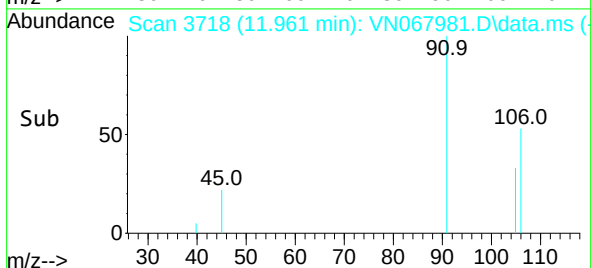
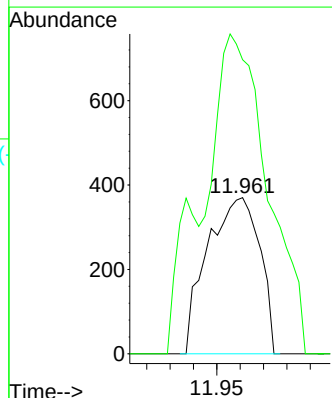
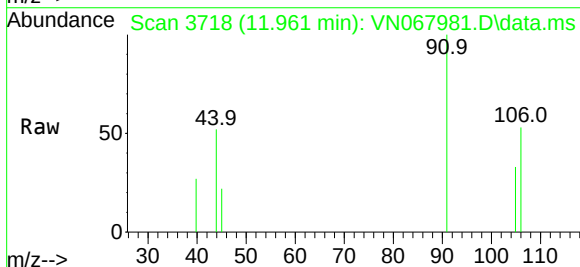
Instrument :
MSVOA_N
ClientSampleId :

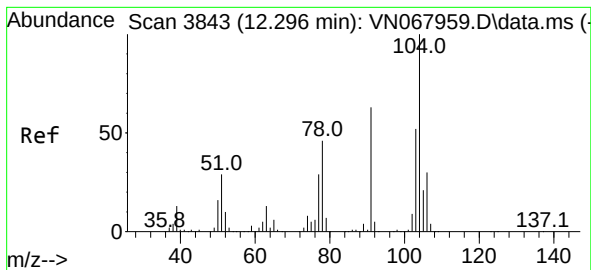
Tgt Ion:117 Resp: 590569
Ion Ratio Lower Upper
117 100
82 56.2 53.1 79.7
119 32.5 25.5 38.3



#68
m/p-Xylenes
Concen: 4.121 ug/l
RT: 11.961 min Scan# 3718
Delta R.T. 0.005 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Tgt Ion:106 Resp: 576
Ion Ratio Lower Upper
106 100
91 212.7 180.6 270.8





#70

Styrene

Concen: 2.646 ug/l

RT: 12.291 min Scan# 3841

Delta R.T. -0.005 min

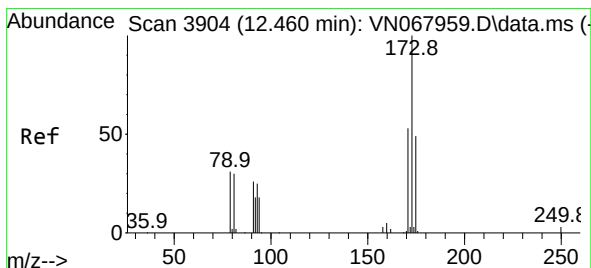
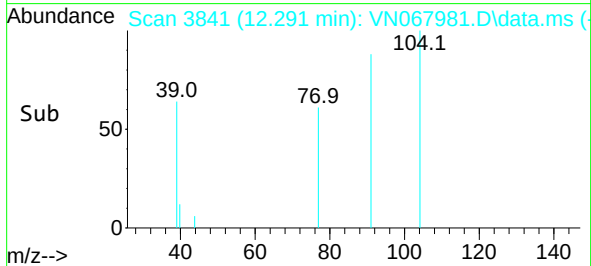
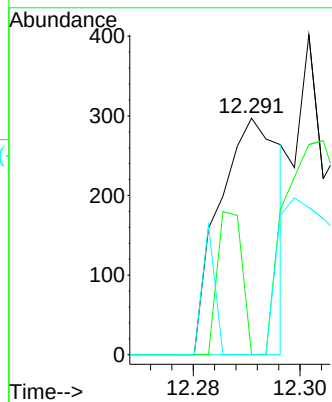
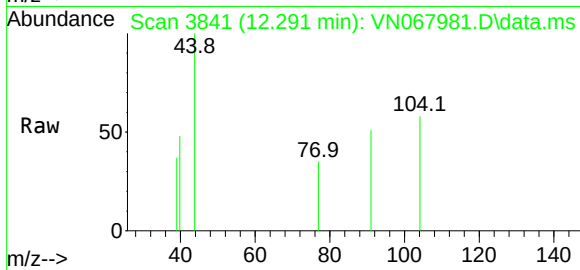
Lab File: VN067981.D

Acq: 3 Aug 2021 14:58

Tgt Ion:104 Resp: 234

Ion	Ratio	Lower	Upper
104	100		
78	90.2	48.2	72.2#
103	61.1	44.5	66.7

Instrument :
MSVOA_N
ClientSampled :



#71

Bromoform

Concen: 4.064 ug/l

RT: 12.712 min Scan# 3998

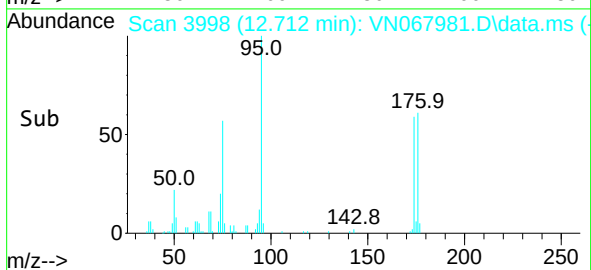
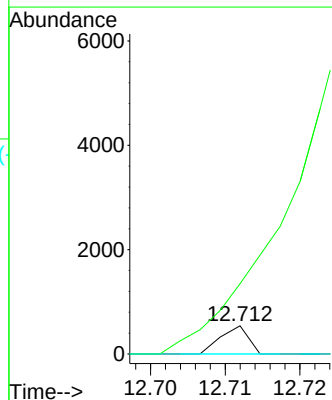
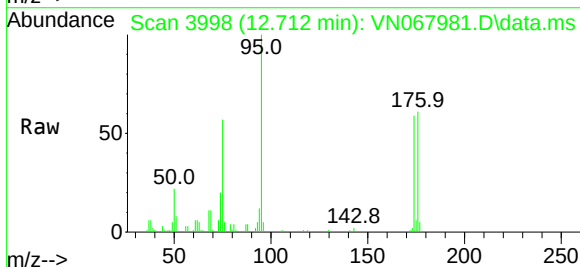
Delta R.T. 0.252 min

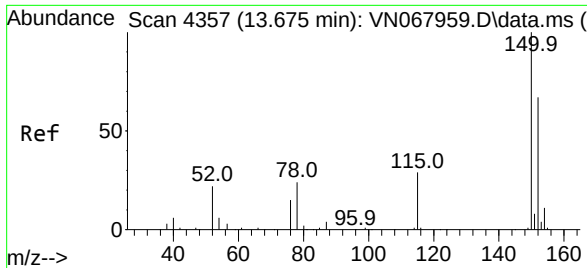
Lab File: VN067981.D

Acq: 3 Aug 2021 14:58

Tgt Ion:173 Resp: 138

Ion	Ratio	Lower	Upper
173	100		
175	0.0	23.9	71.8#
254	0.0	0.0	0.0

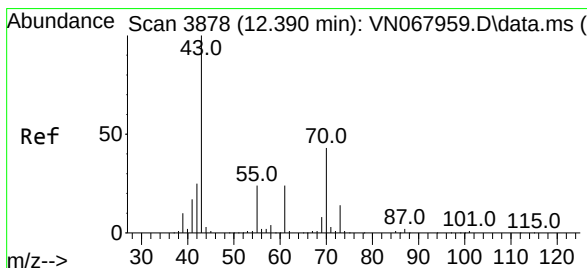
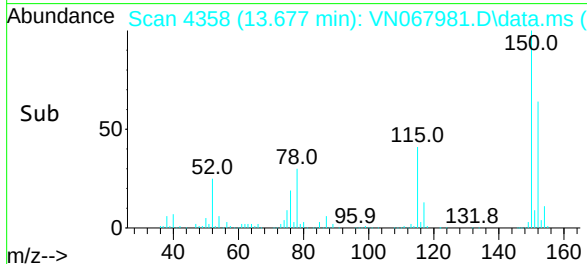
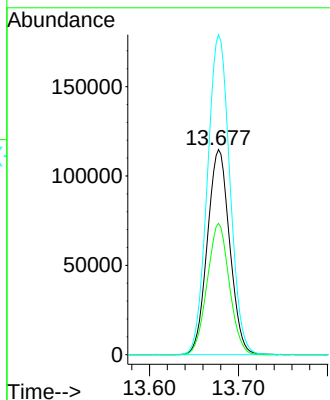
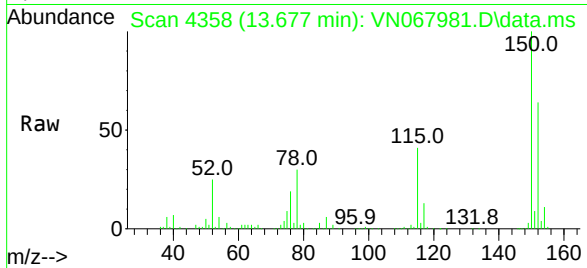




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

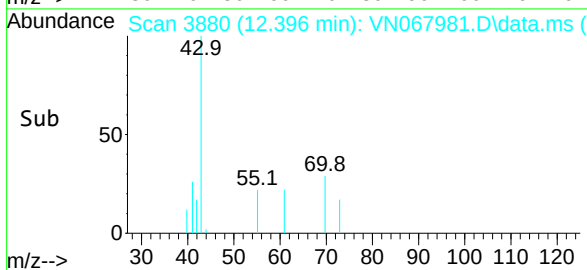
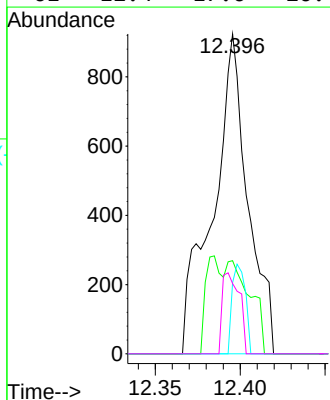
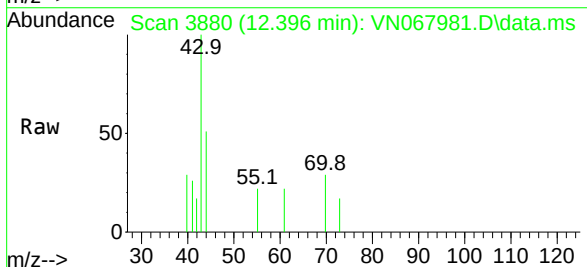
Instrument :
MSVOA_N
ClientSampled :

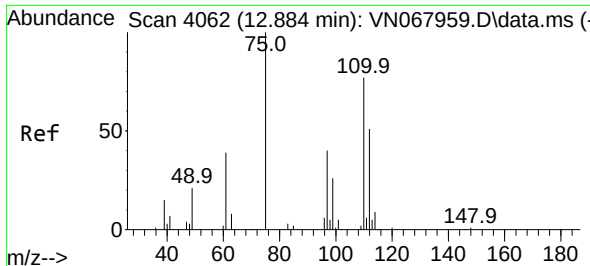
Tgt Ion:152 Resp: 199981
Ion Ratio Lower Upper
152 100
115 63.5 36.1 108.5
150 157.2 0.0 351.8



#74
N-ethyl acetate
Concen: 0.234 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.005 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Tgt Ion: 43 Resp: 1325
Ion Ratio Lower Upper
43 100
70 14.9 29.4 44.2#
55 10.6 17.0 25.4#
61 12.4 17.6 26.4#

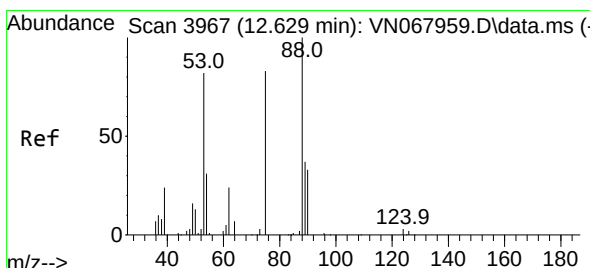
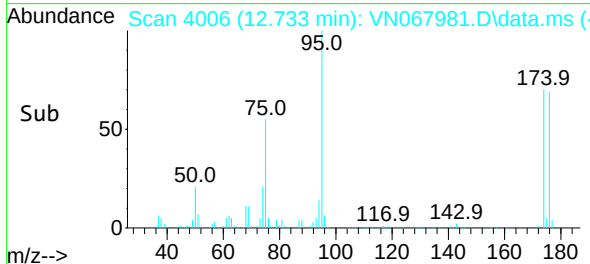
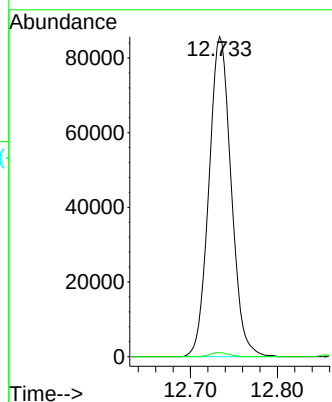
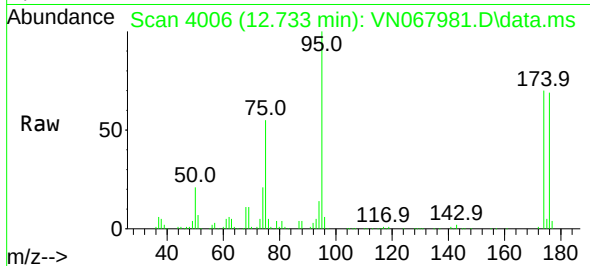




#76
1,2,3-Trichloropropane
Concen: 37.963 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

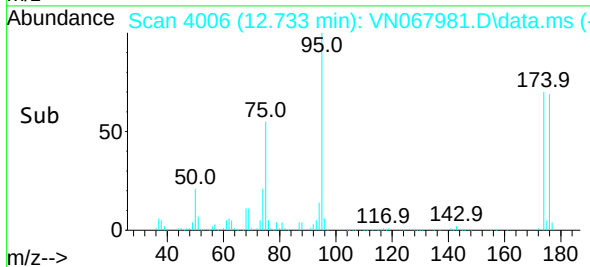
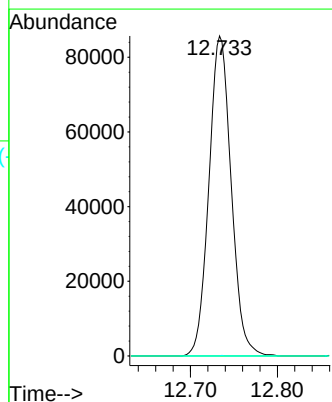
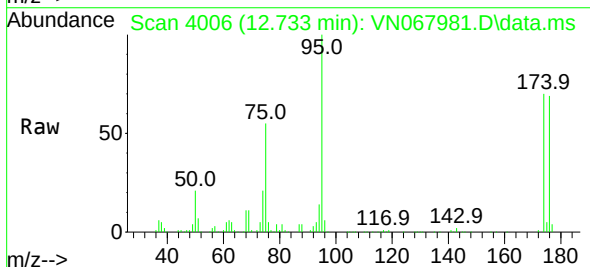
Instrument :
MSVOA_N
ClientSampled :

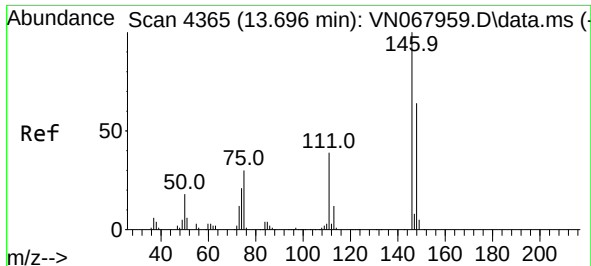
Tgt Ion: 75 Resp: 152466
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.341 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

Tgt Ion: 75 Resp: 152466
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

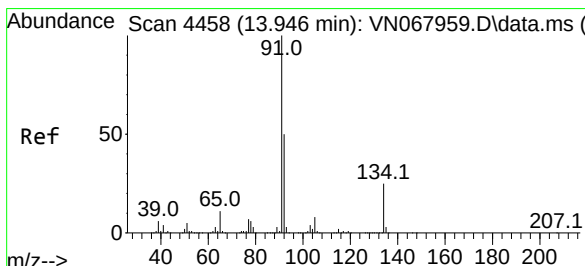
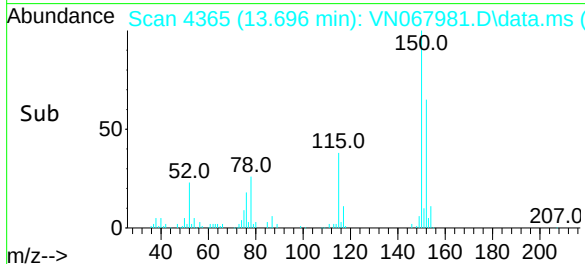
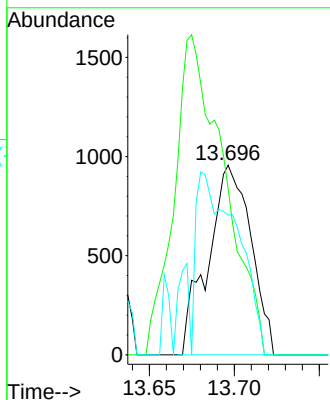
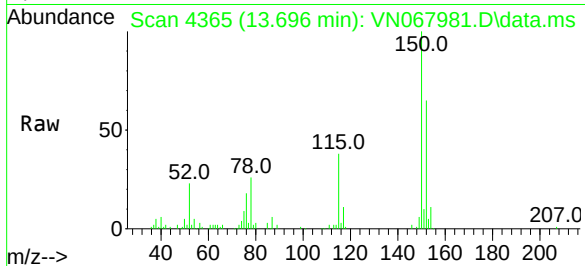




#88
1,4-Dichlorobenzene
Concen: 0.248 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

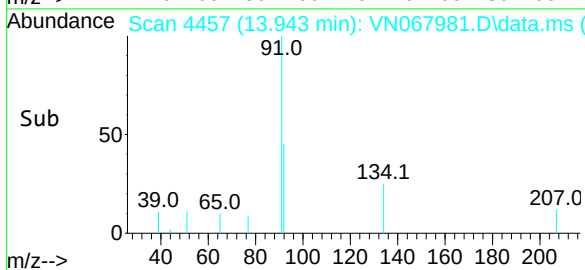
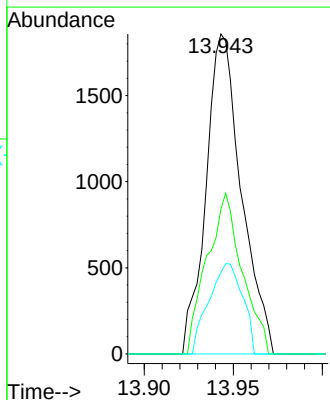
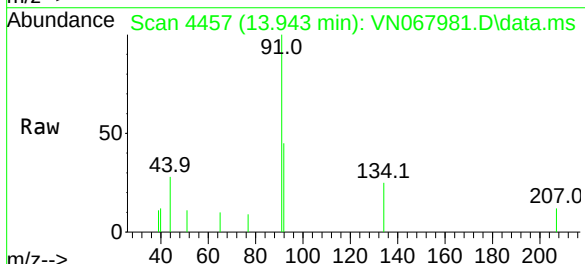
Instrument :
MSVOA_N
ClientSampled :

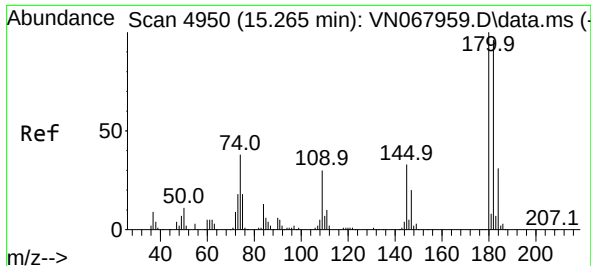
Tgt Ion:146 Resp: 1684
Ion Ratio Lower Upper
146 100
111 0.0 23.4 70.2#
148 91.2 31.8 95.3



#89
n-Butylbenzene
Concen: 0.245 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

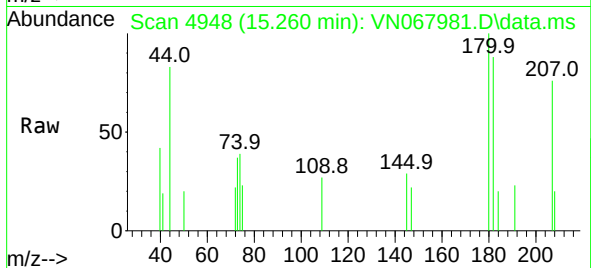
Tgt Ion: 91 Resp: 2569
Ion Ratio Lower Upper
91 100
92 49.9 25.7 77.1
134 26.8 11.2 33.6



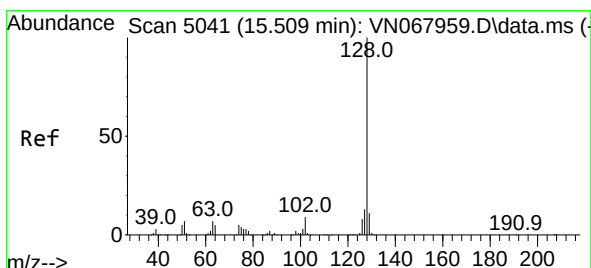
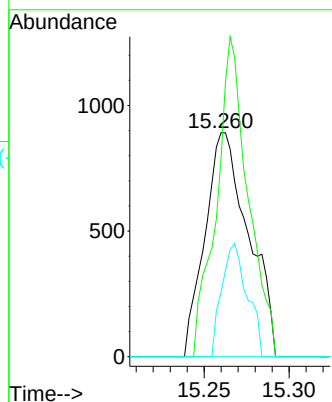
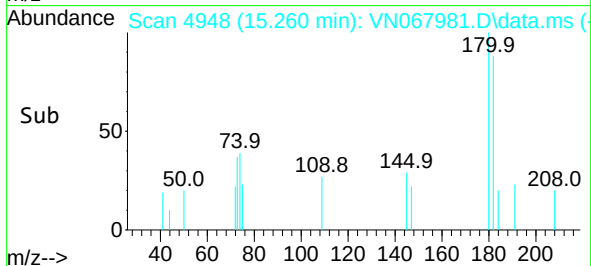


#93
1,2,4-Trichlorobenzene
Concen: 2.986 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58

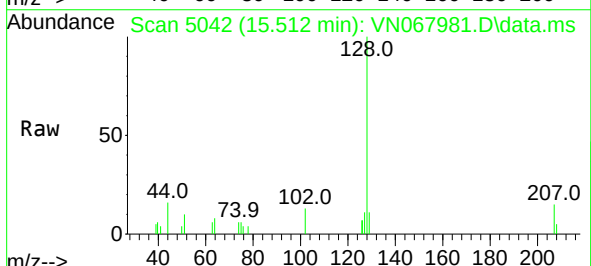
Instrument :
MSVOA_N
ClientSampled :



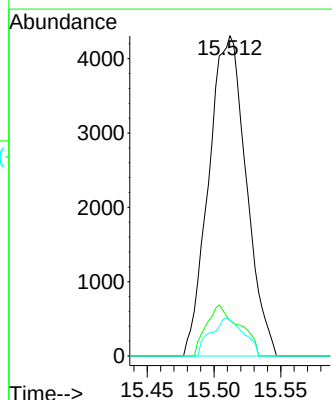
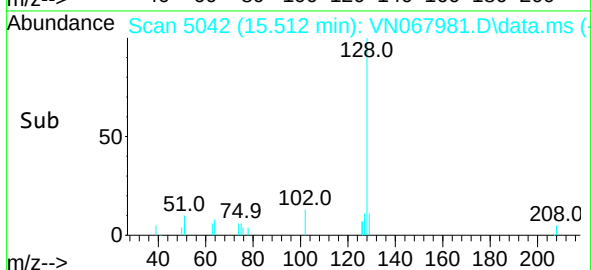
Tgt Ion:180 Resp: 1587
Ion Ratio Lower Upper
180 100
182 103.7 47.5 142.5
145 29.6 17.2 51.6

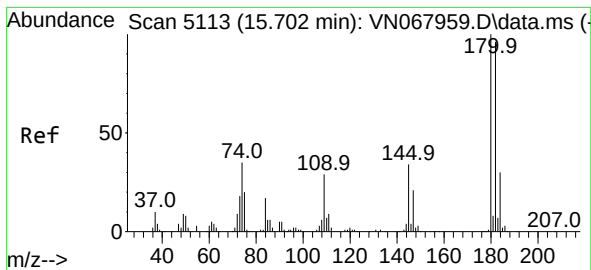


#95
Naphthalene
Concen: 4.064 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067981.D
Acq: 3 Aug 2021 14:58



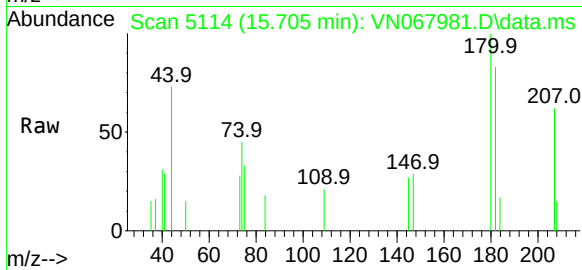
Tgt Ion:128 Resp: 8394
Ion Ratio Lower Upper
128 100
127 14.1 10.6 15.8
129 10.4 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.023 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067981.D
 Acq: 3 Aug 2021 14:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1893

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.8	143.3
145	23.9	18.2	54.6

