

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011921\
 Data File : VN065552.D
 Acq On : 19 Jan 2021 13:02
 Operator : JC/MD
 Sample : PB134204TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB134204TB

Quant Time: Jan 20 00:28:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 18 18:11:15 2021
 Response via : Initial Calibration

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

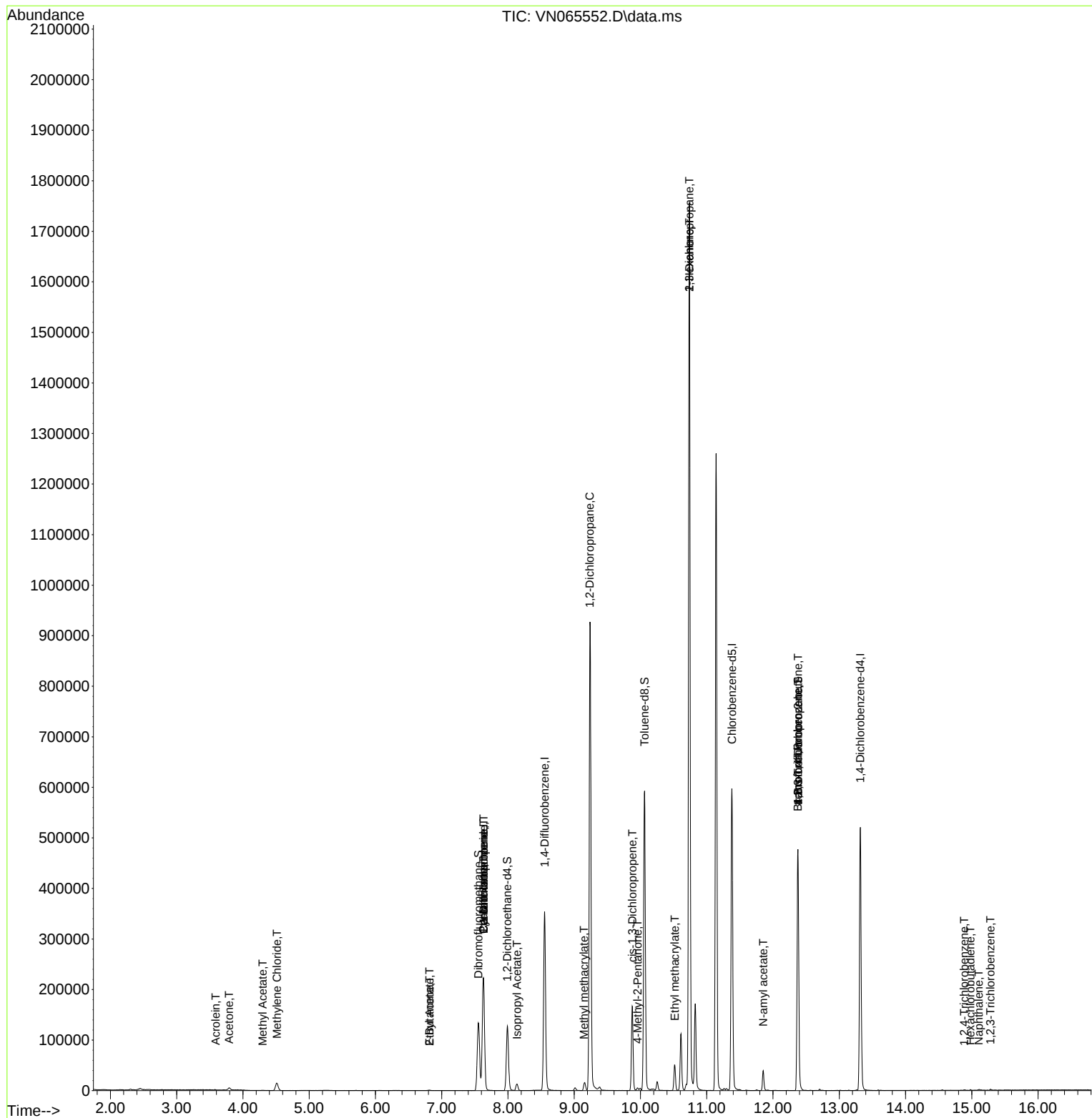
Internal Standards						
1) Pentafluorobenzene	7.630	168	212768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	350012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	385729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	165148	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	109318	55.62	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.24%			
35) Dibromofluoromethane	7.553	113	106913	51.16	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.32%			
50) Toluene-d8	10.061	98	440503	56.16	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 112.32%			
62) 4-Bromofluorobenzene	12.376	95	170787	58.02	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.04%			
Target Compounds					Qvalue	
13) Acrolein	3.589	56	92	9.79	ug/l #	1
16) Acetone	3.791	43	7075	9.45	ug/l	90
18) Methyl Acetate	4.299	43	1147	0.59	ug/l #	50
20) Methylene Chloride	4.515	84	12231	5.71	ug/l	93
25) 2-Butanone	6.817	43	666	0.68	ug/l #	49
31) Cyclohexane	7.627	56	3007	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	11921	4.12	ug/l #	49
37) Ethyl Acetate	6.817	43	666	0.27	ug/l #	66
38) Carbon Tetrachloride	7.630	117	17342	6.02	ug/l #	17
43) Isopropyl Acetate	8.135	43	15576	3.90	ug/l	98
45) 1,2-Dichloropropane	9.235	63	1221	0.53	ug/l #	43
48) Methyl methacrylate	9.148	41	3861	1.95	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	3885	1.61	ug/l	94
54) cis-1,3-Dichloropropene	9.878	75	33337	9.14	ug/l #	58
56) Ethyl methacrylate	10.518	69	166	2.18	ug/l #	1
57) 1,3-Dichloropropane	10.736	76	19322	5.14	ug/l #	42
59) 2-Hexanone	10.736	43	240327	138.55	ug/l #	50
71) Bromoform	12.373	173	1218	3.25	ug/l #	1
74) N-amyl acetate	11.852	43	12038	3.44	ug/l #	50
76) 1,2,3-Trichloropropane	12.376	75	78203	26.15	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	78203	76.00	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.884	180	725	3.03	ug/l #	78
94) Hexachlorobutadiene	14.981	225	488	0.25	ug/l	88
95) Naphthalene	15.106	128	2173	3.45	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.283	180	839	2.82	ug/l #	84

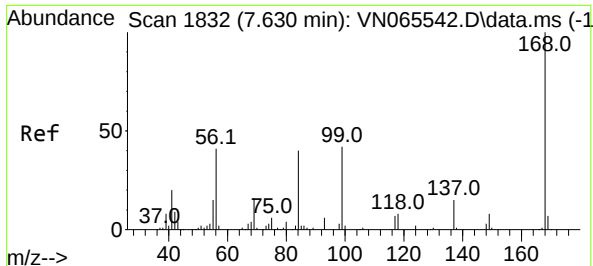
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 20 00:28:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011821W.M
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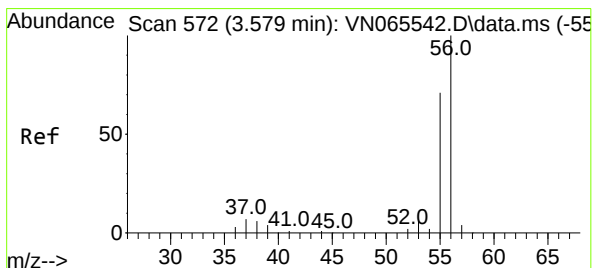
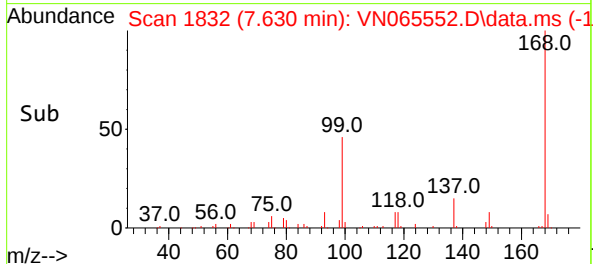
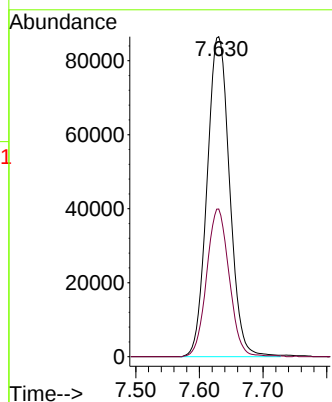
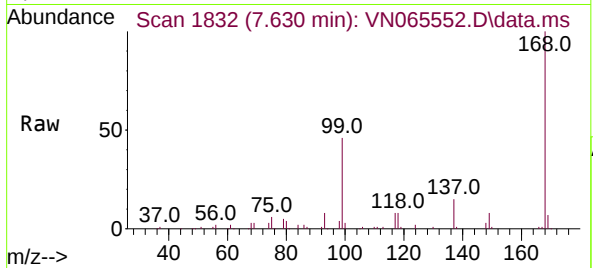




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

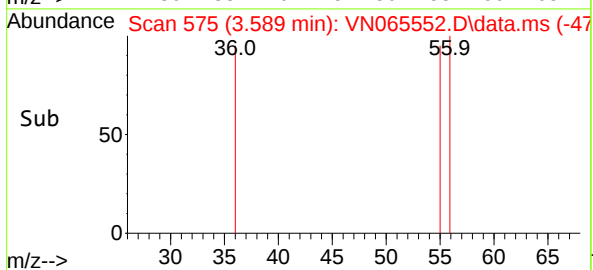
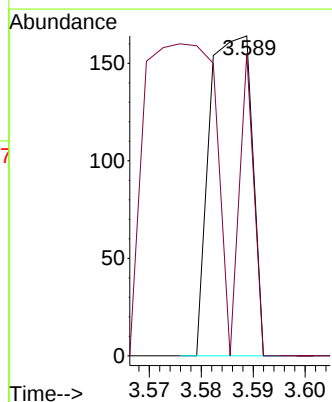
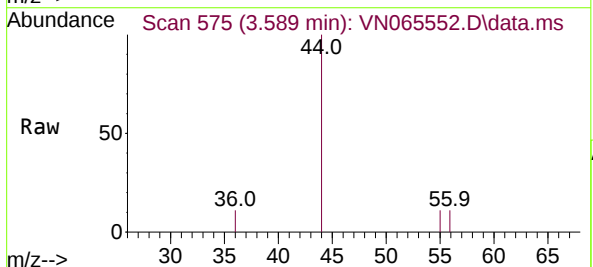
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

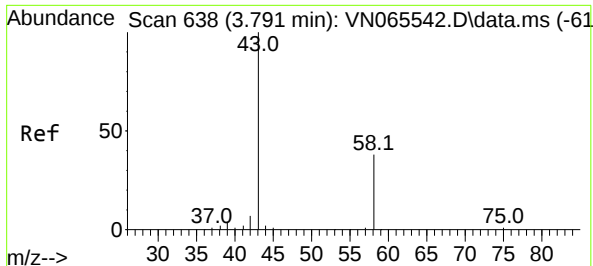
Tgt Ion:168 Resp: 212768
Ion Ratio Lower Upper
168 100
99 46.2 43.0 64.4



#13
Acrolein
Concen: 9.79 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.010 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 195.7 56.5 84.7#

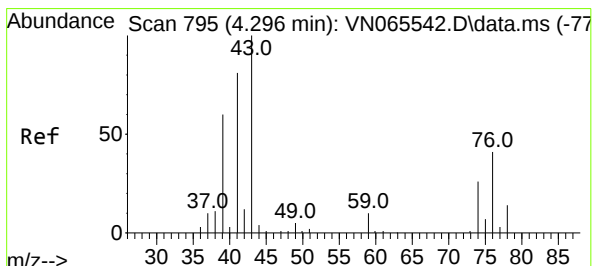
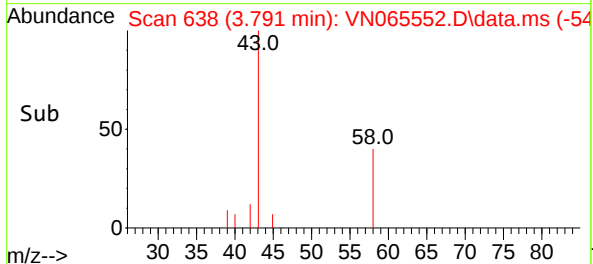
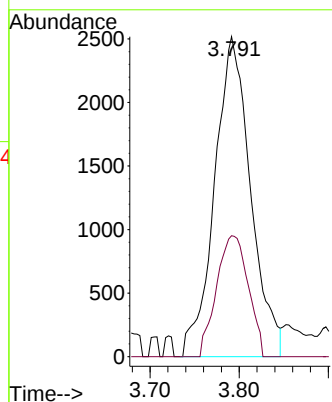
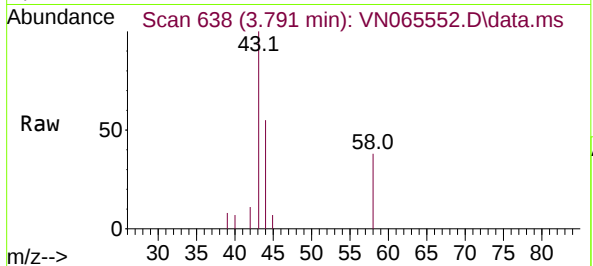




#16
Acetone
Concen: 9.45 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

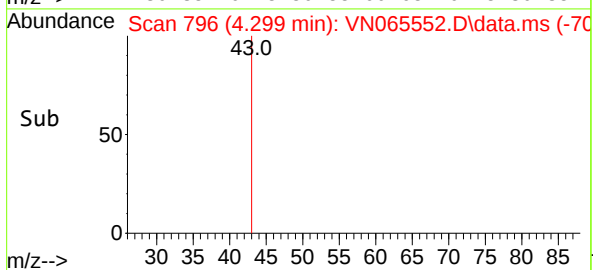
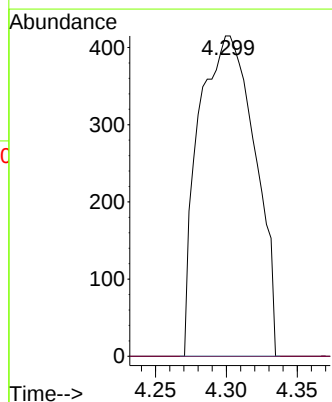
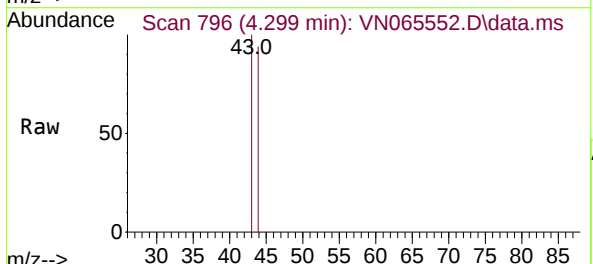
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

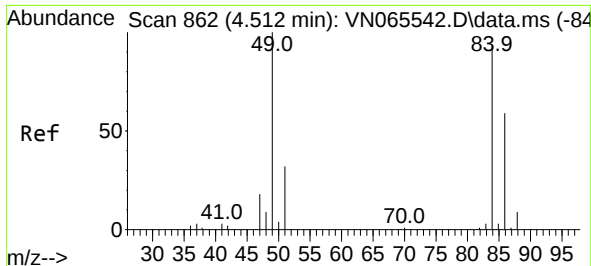
Tgt Ion: 43 Resp: 7075
Ion Ratio Lower Upper
43 100
58 37.8 25.7 38.5



#18
Methyl Acetate
Concen: 0.59 ug/l
RT: 4.299 min Scan# 796
Delta R.T. 0.003 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#





#20

Methylene Chloride

Concen: 5.71 ug/l

RT: 4.515 min Scan# 863

Delta R.T. 0.003 min

Lab File: VN065552.D

Acq: 19 Jan 2021 13:02

Instrument :

MSVOA_N

ClientSampleId :

PB134204TB

Tgt Ion: 84 Resp: 12231

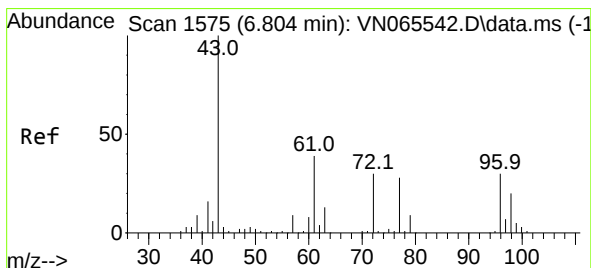
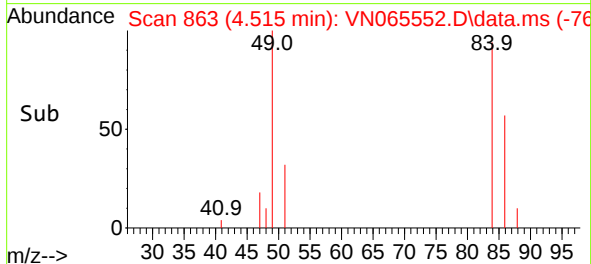
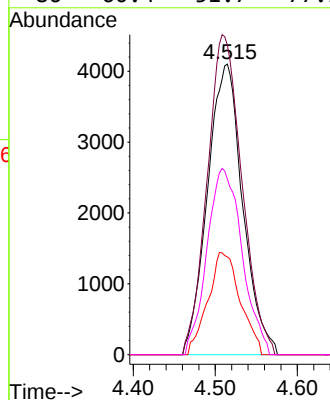
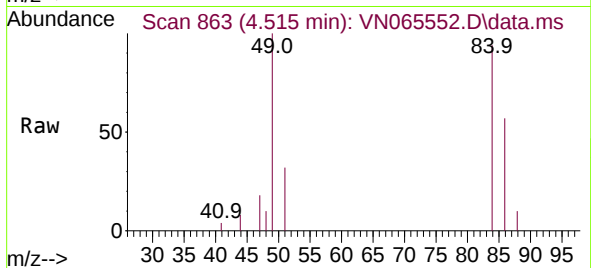
Ion Ratio Lower Upper

84 100

49 106.5 93.4 140.0

51 33.6 28.2 42.4

86 60.4 51.7 77.5



#25

2-Butanone

Concen: 0.68 ug/l

RT: 6.817 min Scan# 1579

Delta R.T. 0.013 min

Lab File: VN065552.D

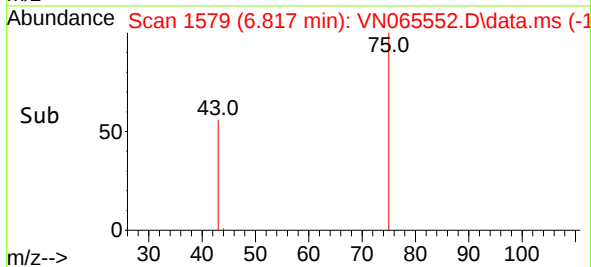
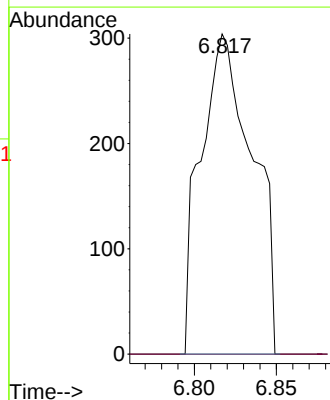
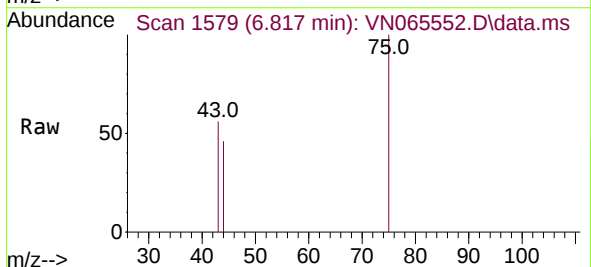
Acq: 19 Jan 2021 13:02

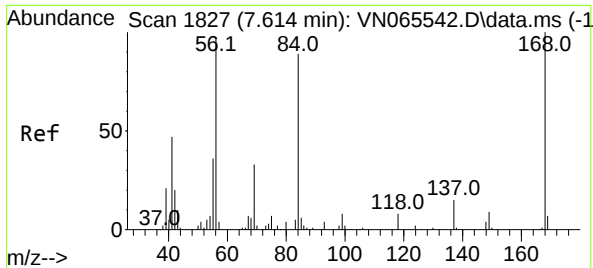
Tgt Ion: 43 Resp: 666

Ion Ratio Lower Upper

43 100

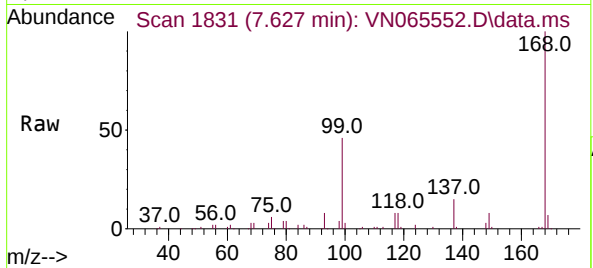
72 0.0 21.0 31.6#



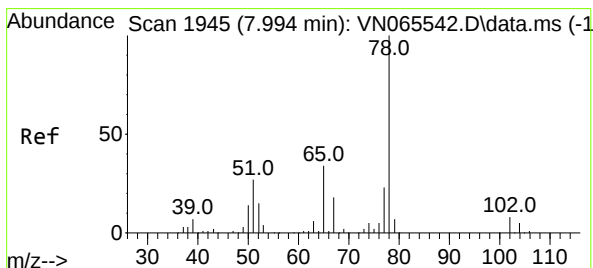
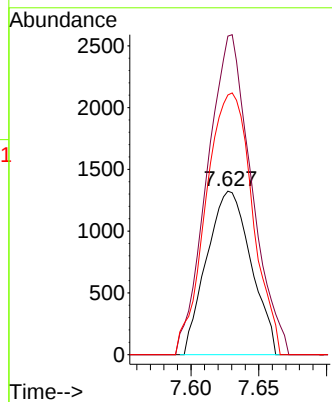
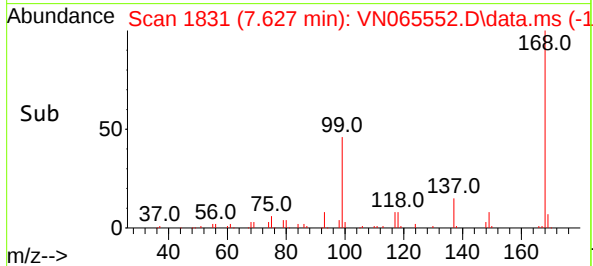


#31
Cyclohexane
Concen: 1.01 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.013 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

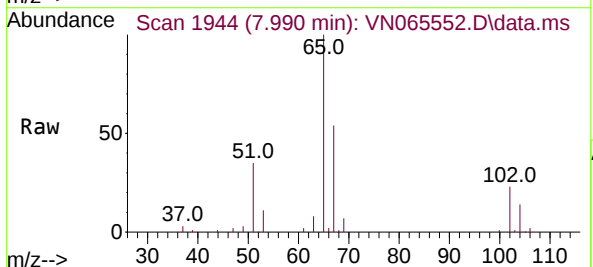
Instrument :
MSVOA_N
ClientSampled :
PB134204TB



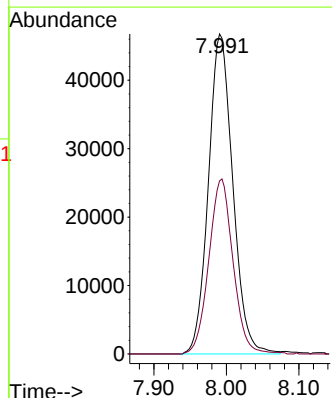
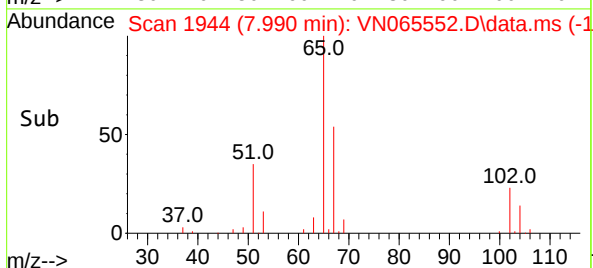
Tgt Ion: 56 Resp: 3007
Ion Ratio Lower Upper
56 100
69 181.9 27.5 41.3#
84 158.9 73.9 110.9#

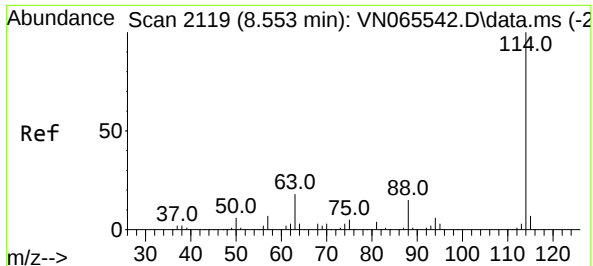


#33
1,2-Dichloroethane-d4
Concen: 55.62 ug/l
RT: 7.990 min Scan# 1944
Delta R.T. -0.003 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02



Tgt Ion: 65 Resp: 109318
Ion Ratio Lower Upper
65 100
67 54.4 0.0 108.2

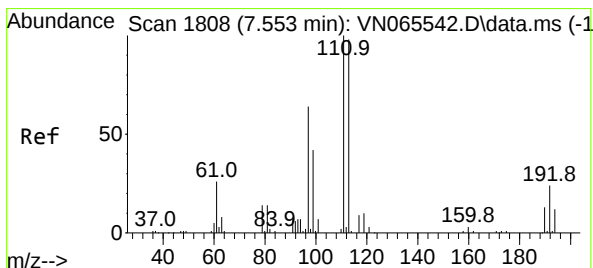
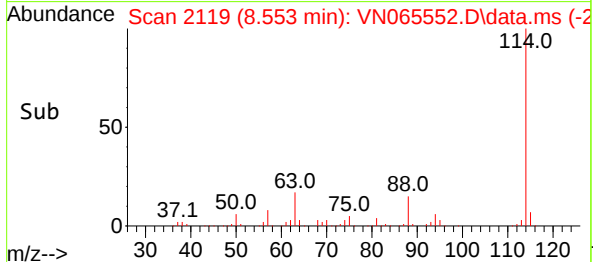
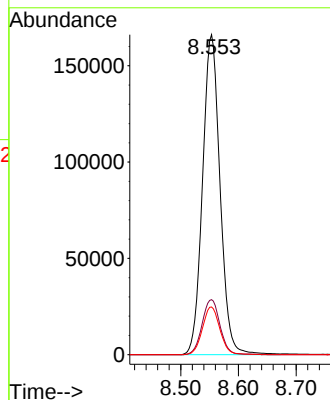
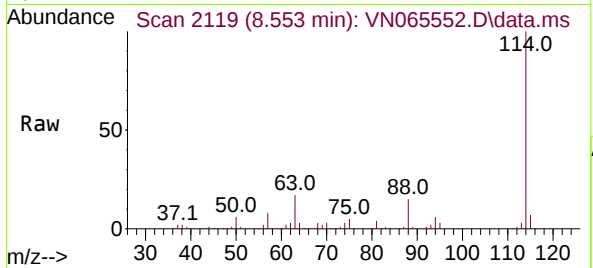




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

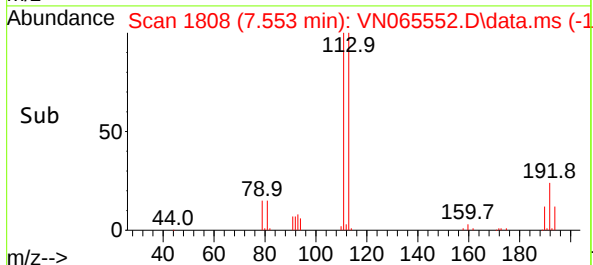
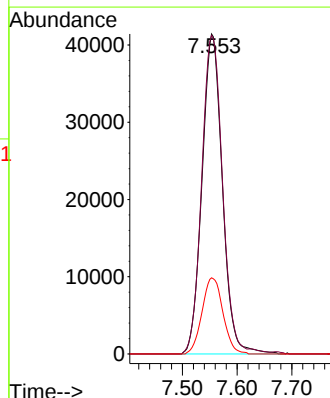
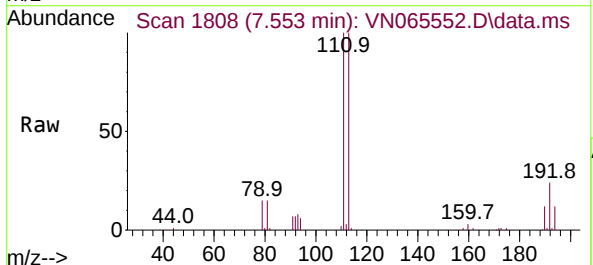
Instrument :
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ClientSampleId :
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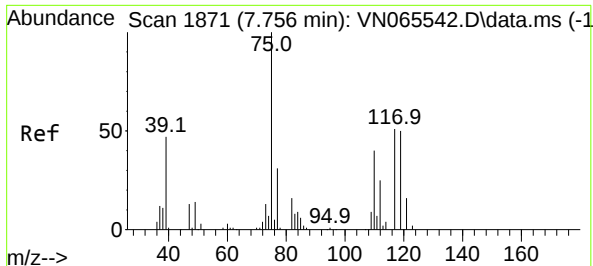
Tgt Ion:114 Resp: 350012
Ion Ratio Lower Upper
114 100
63 17.2 0.0 38.6
88 14.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.16 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

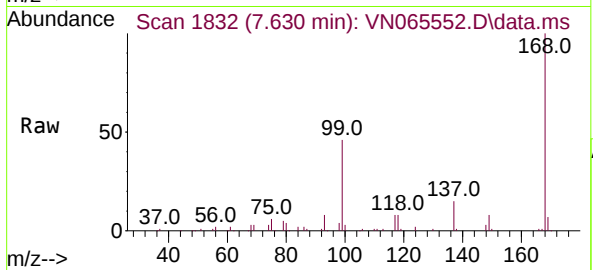
Tgt Ion:113 Resp: 106913
Ion Ratio Lower Upper
113 100
111 101.1 81.6 122.4
192 24.4 16.2 24.2#



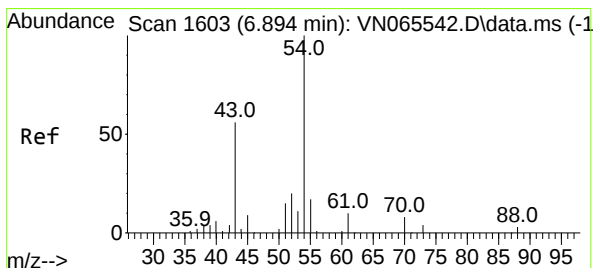
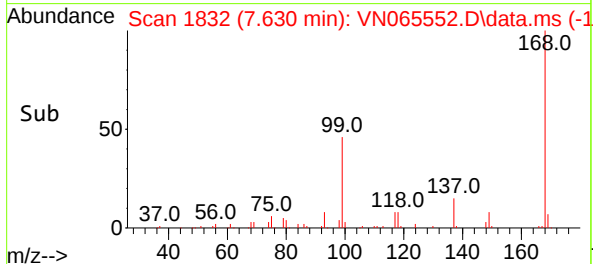
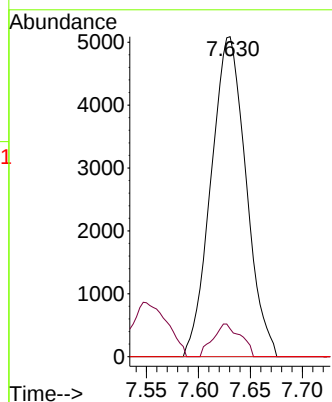


#36
1,1-Dichloropropene
Concen: 4.12 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.126 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Instrument :
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ClientSampleId :
PB134204TB

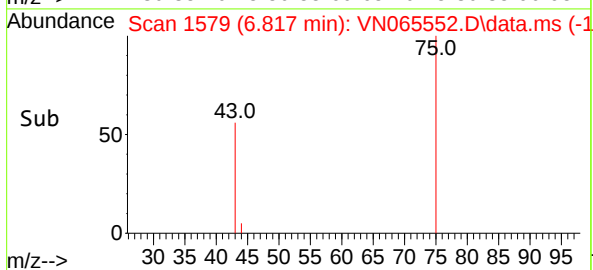
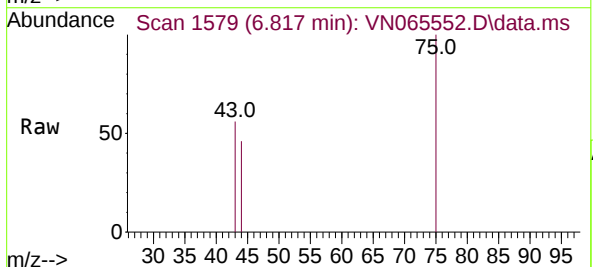
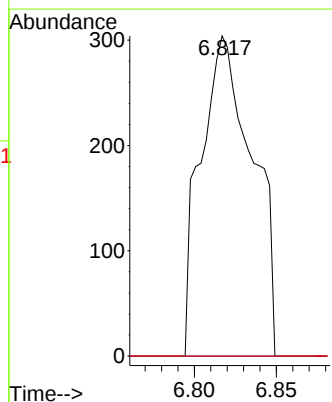


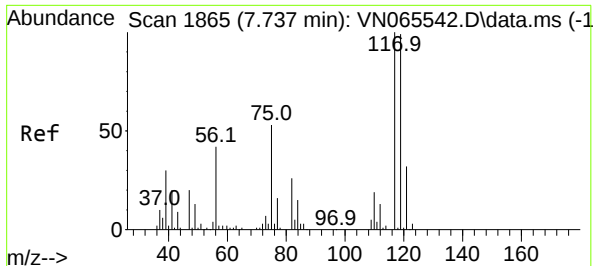
Tgt Ion: 75 Resp: 11921
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.27 ug/l
RT: 6.817 min Scan# 1579
Delta R.T. -0.077 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

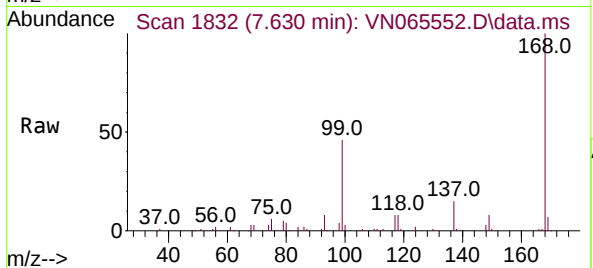
Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



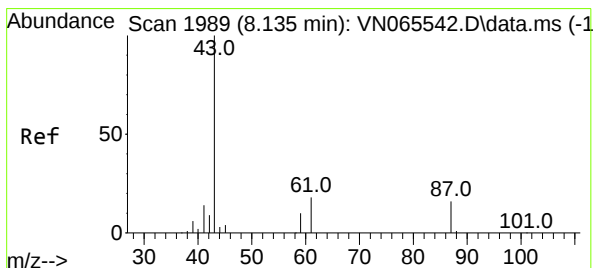
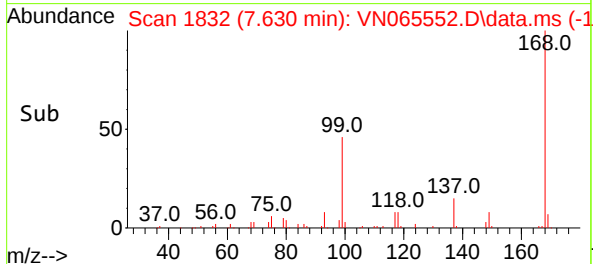
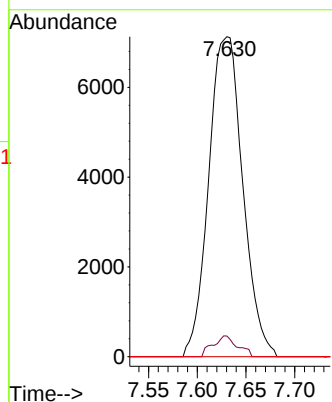


#38
Carbon Tetrachloride
Concen: 6.02 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.107 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

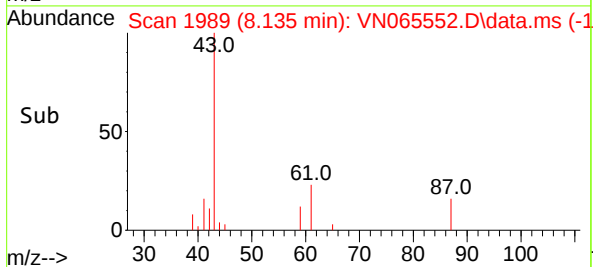
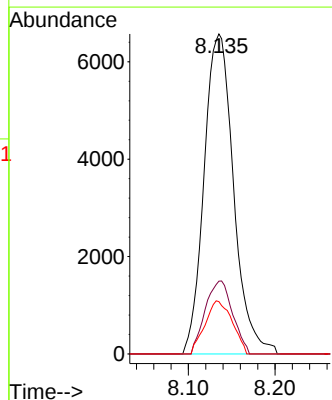
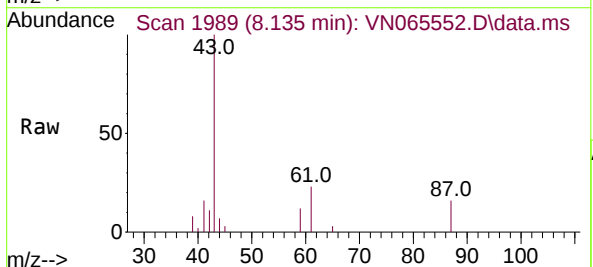


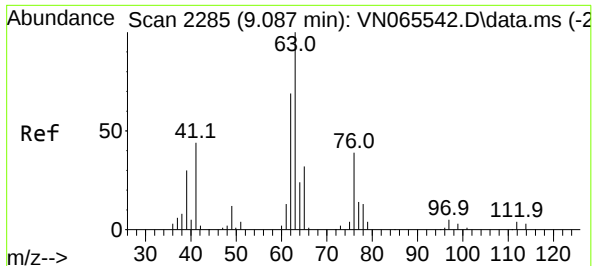
Tgt Ion:117 Resp: 17342
Ion Ratio Lower Upper
117 100
119 6.4 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 3.90 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion: 43 Resp: 15576
Ion Ratio Lower Upper
43 100
61 21.1 17.2 25.8
87 15.2 11.4 17.0

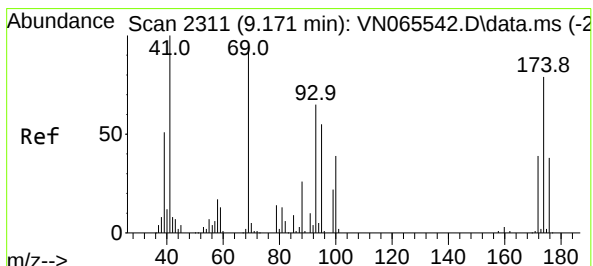
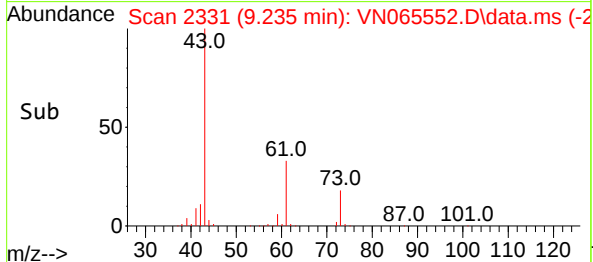
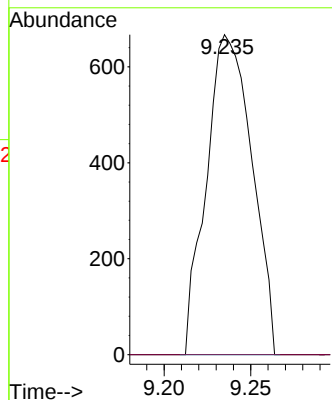
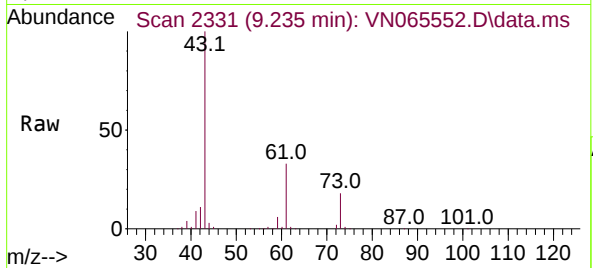




#45
1,2-Dichloropropane
Concen: 0.53 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.148 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

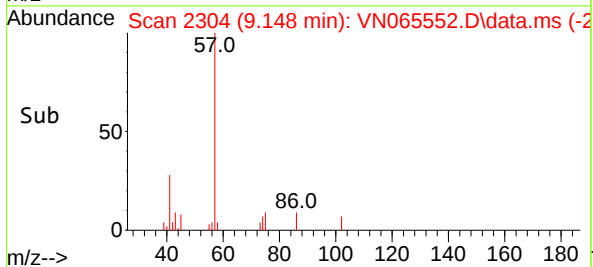
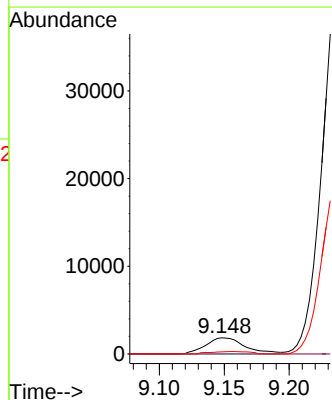
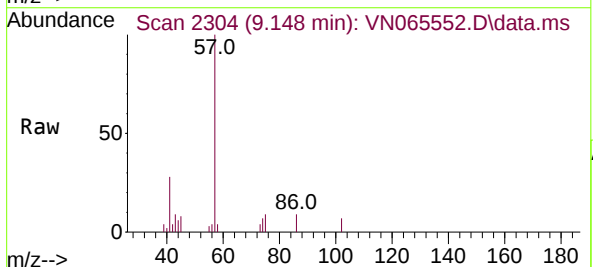
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

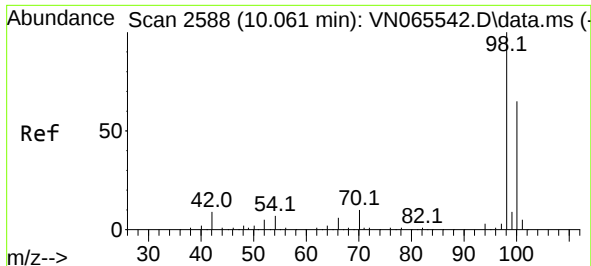
Tgt Ion: 63 Resp: 1221
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.95 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.023 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion: 41 Resp: 3861
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

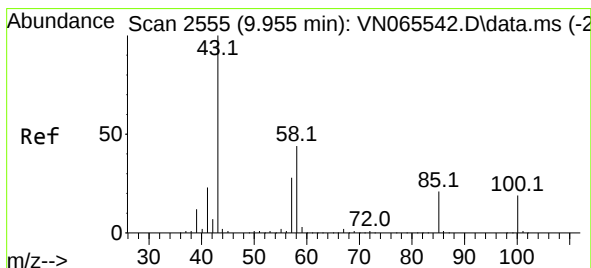
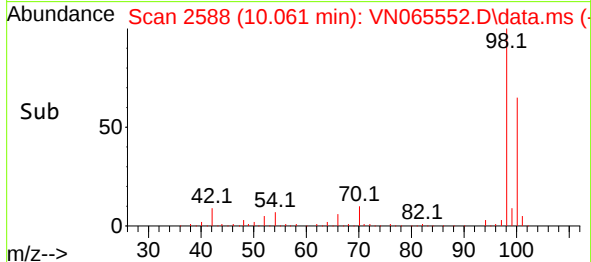
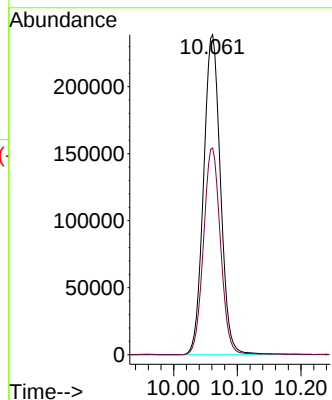
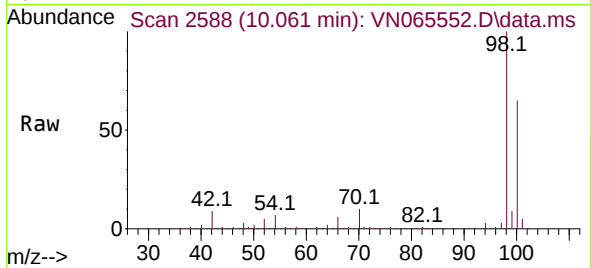




#50
Toluene-d8
Concen: 56.16 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

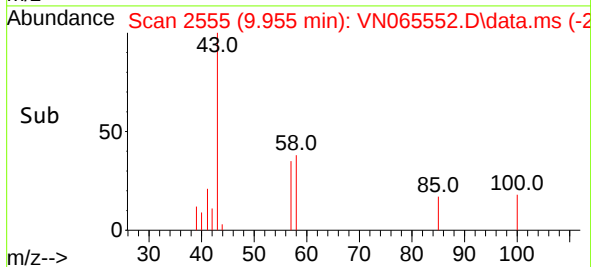
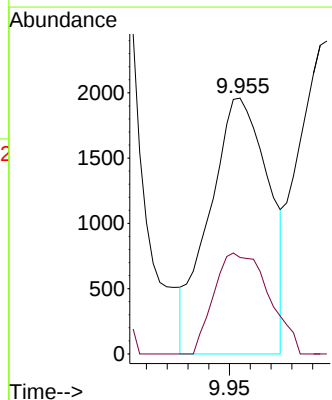
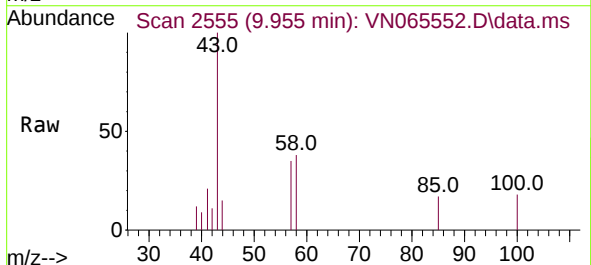
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

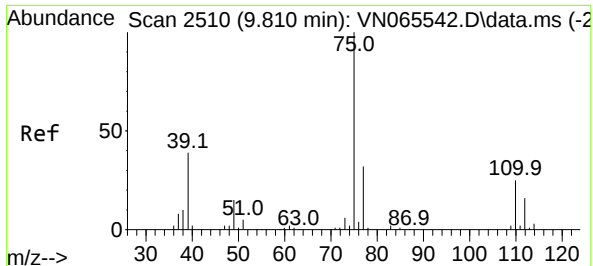
Tgt Ion: 98 Resp: 440503
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.61 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion: 43 Resp: 3885
Ion Ratio Lower Upper
43 100
58 36.6 32.4 48.6

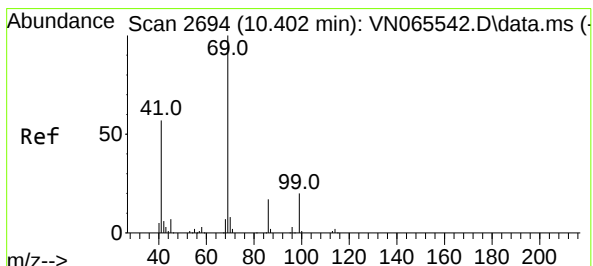
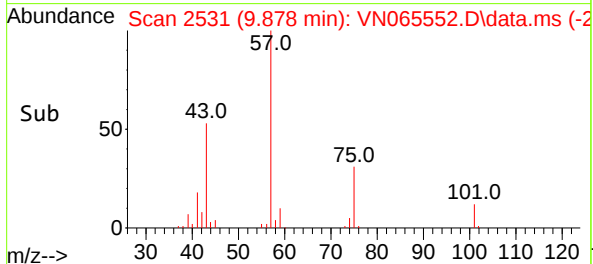
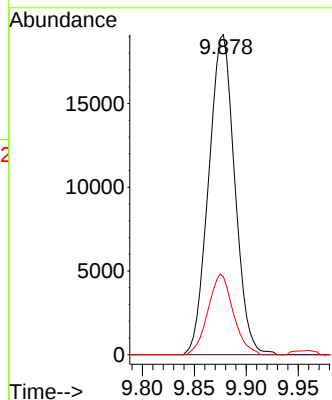
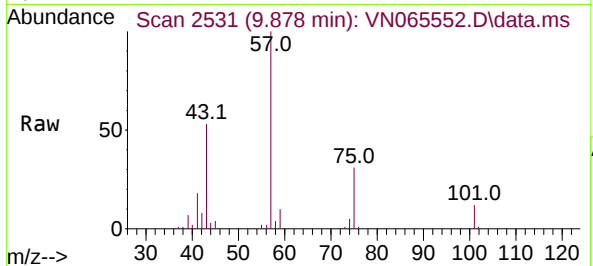




#54
 cis-1,3-Dichloropropene
 Concen: 9.14 ug/l
 RT: 9.878 min Scan# 2531
 Delta R.T. 0.068 min
 Lab File: VN065552.D
 Acq: 19 Jan 2021 13:02

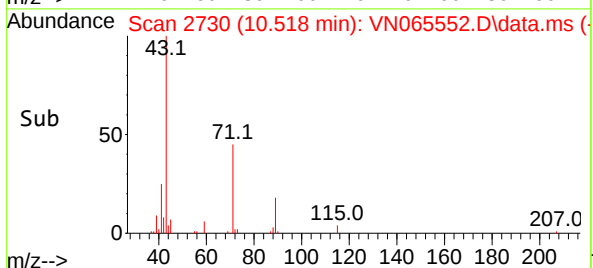
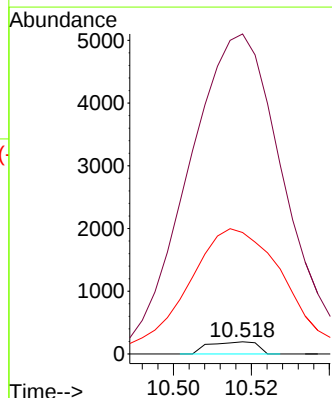
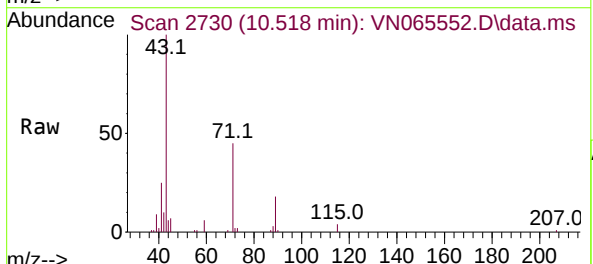
Instrument :
 MSVOA_N
 ClientSampled :
 PB134204TB

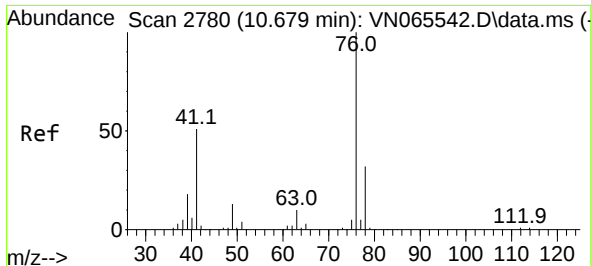
Tgt Ion: 75 Resp: 33337
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 24.4 35.6 53.4#



#56
 Ethyl methacrylate
 Concen: 2.18 ug/l
 RT: 10.518 min Scan# 2730
 Delta R.T. 0.116 min
 Lab File: VN065552.D
 Acq: 19 Jan 2021 13:02

Tgt Ion: 69 Resp: 166
 Ion Ratio Lower Upper
 69 100
 41 5280.1 49.4 74.0#
 39 2137.3 25.9 38.9#

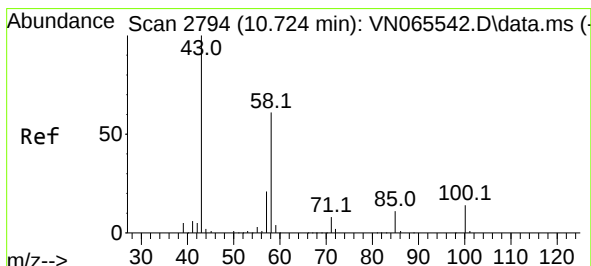
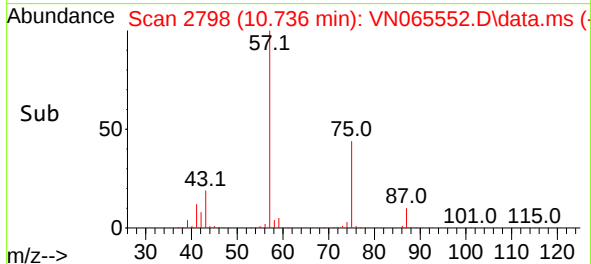
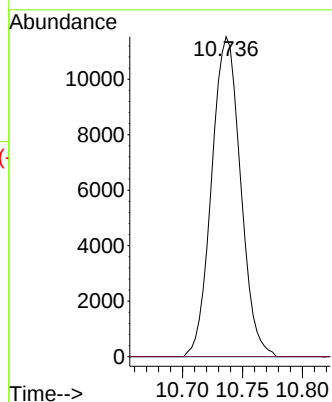
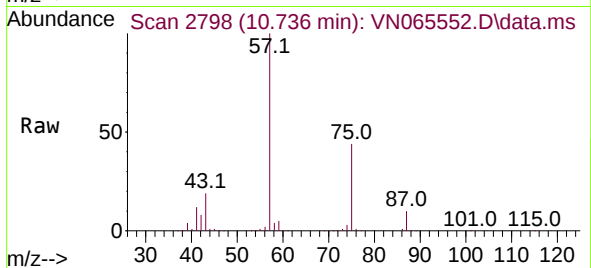




#57
1,3-Dichloropropane
Concen: 5.14 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

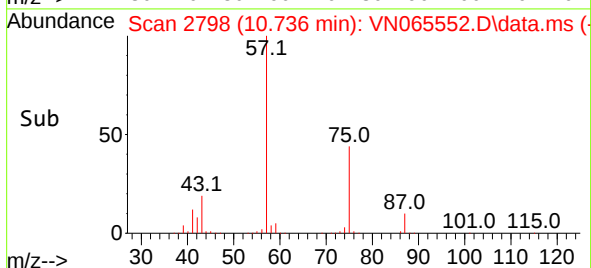
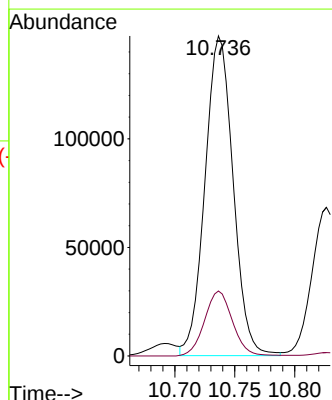
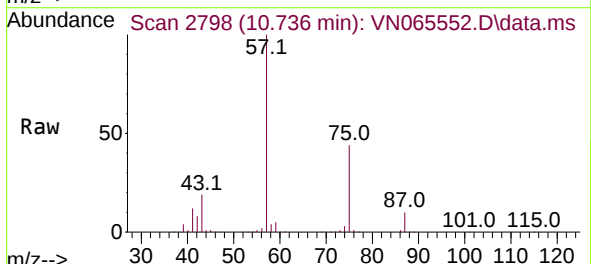
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

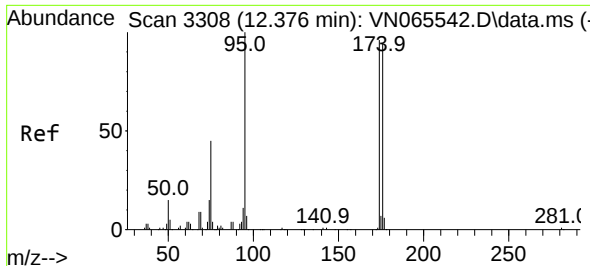
Tgt Ion: 76 Resp: 19322
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 138.55 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion: 43 Resp: 240327
Ion Ratio Lower Upper
43 100
58 20.2 28.3 84.9#

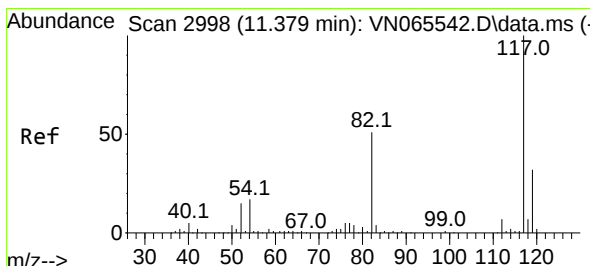
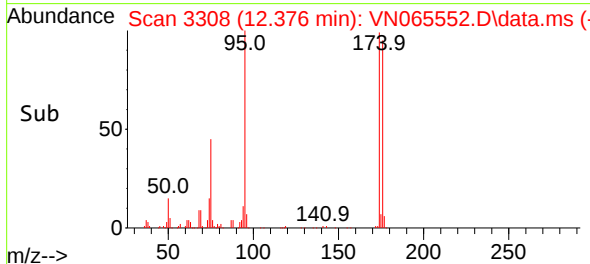
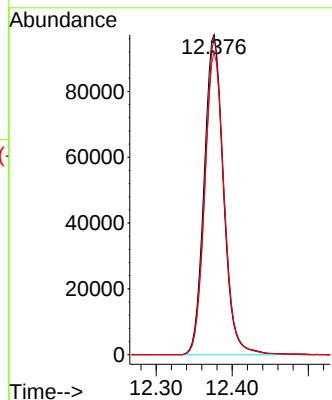
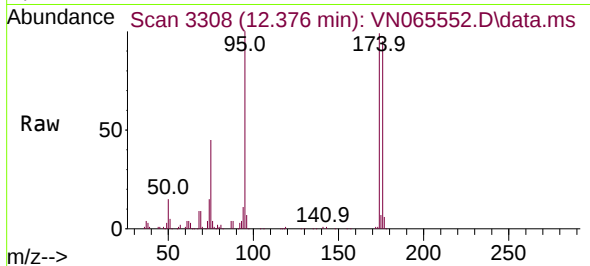




#62
4-Bromofluorobenzene
Concen: 58.02 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

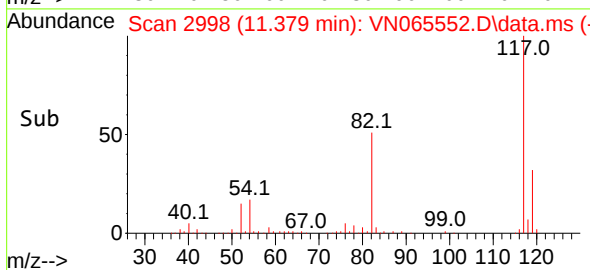
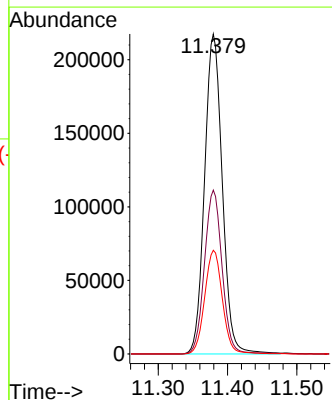
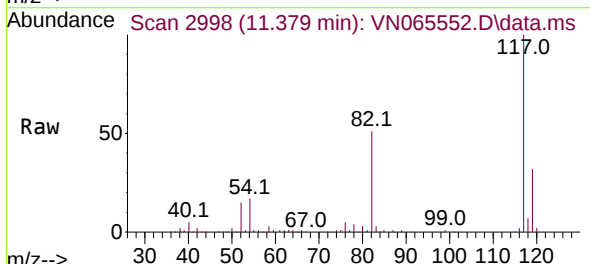
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

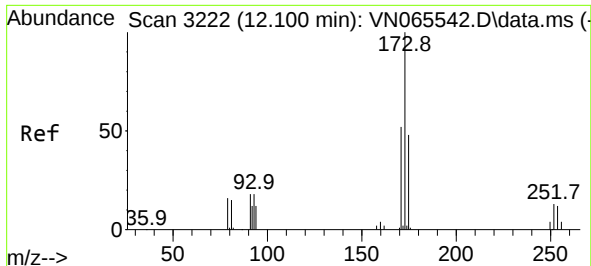
Tgt Ion:	95	Resp:	170787
Ion	Ratio	Lower	Upper
95	100		
174	98.3	0.0	160.4
176	94.9	0.0	158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion:	117	Resp:	385729
Ion	Ratio	Lower	Upper
117	100		
82	51.2	44.2	66.2
119	32.4	25.8	38.6

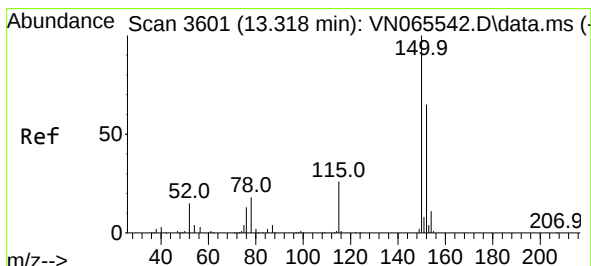
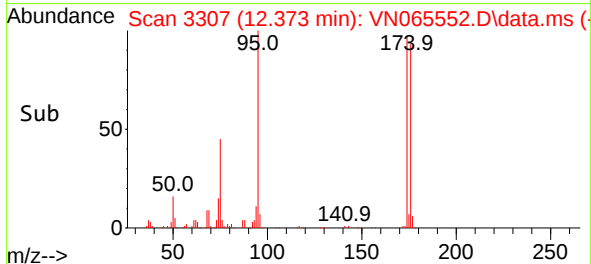
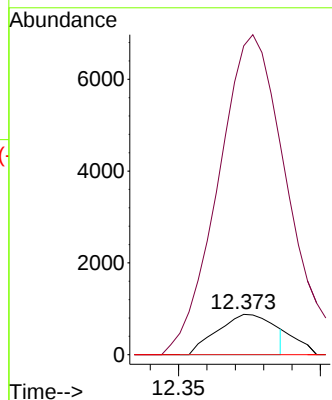
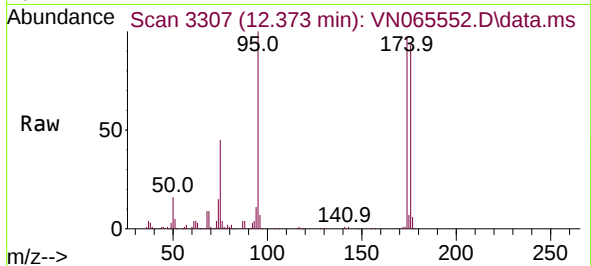




#71
Bromoform
Concen: 3.25 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

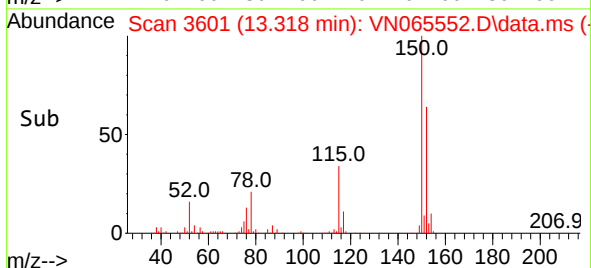
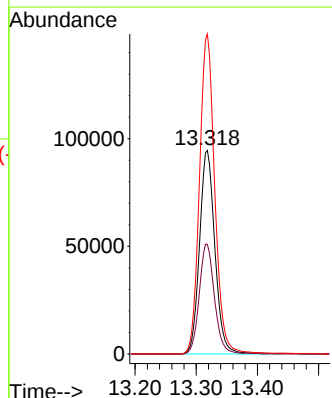
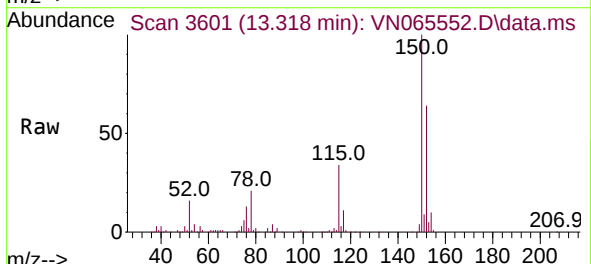
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

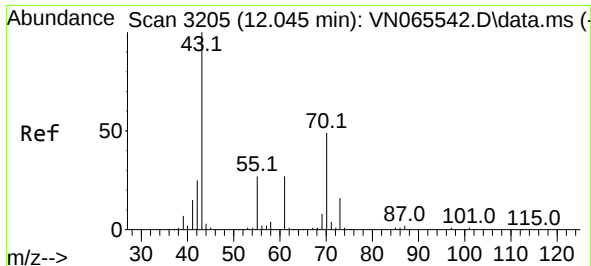
Tgt Ion:173 Resp: 1218
Ion Ratio Lower Upper
173 100
175 800.5 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion:152 Resp: 165148
Ion Ratio Lower Upper
152 100
115 53.2 29.7 89.1
150 156.5 0.0 350.6

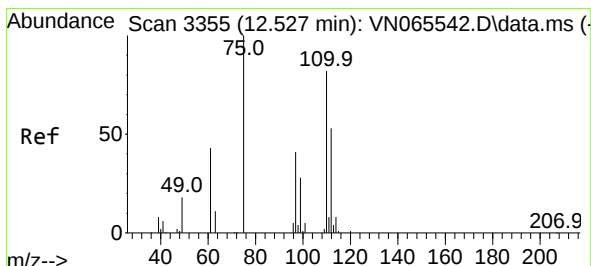
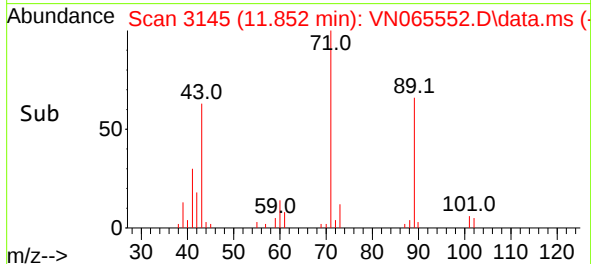
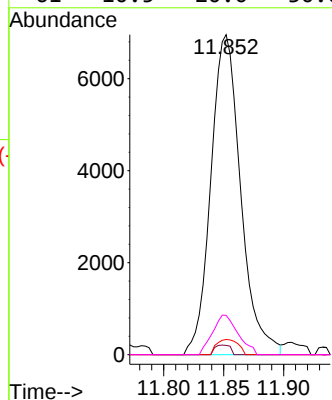
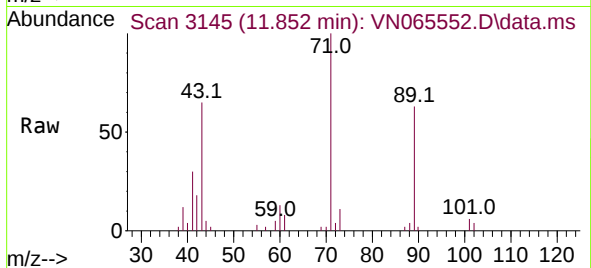




#74
N-amy1 acetate
Concen: 3.44 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.193 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

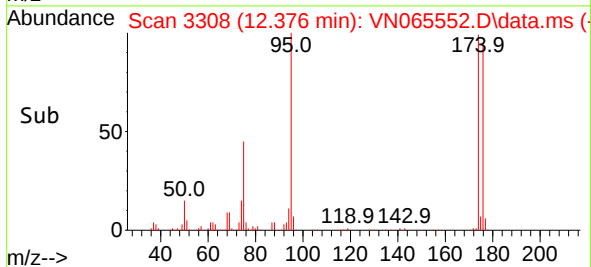
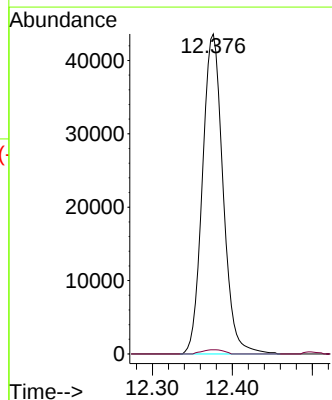
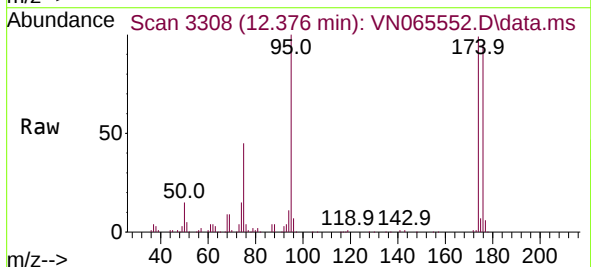
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

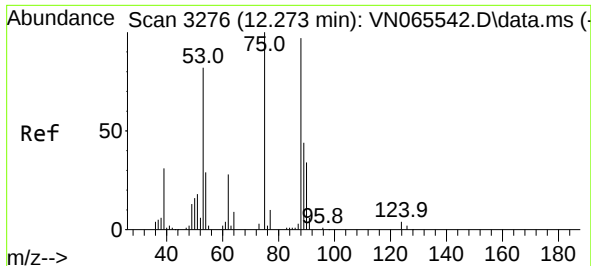
Tgt Ion:	43	Resp:	12038
Ion	Ratio	Lower	Upper
43	100		
70	1.5	34.5	51.7#
55	3.4	20.4	30.6#
61	10.5	20.0	30.0#



#76
1,2,3-Trichloropropane
Concen: 26.15 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion:	75	Resp:	78203
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

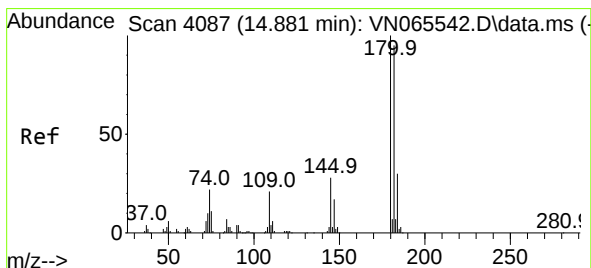
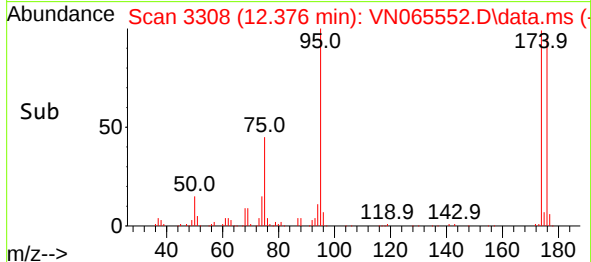
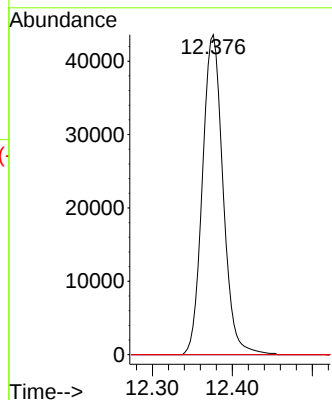
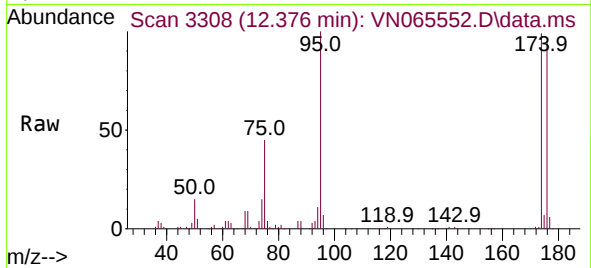




#81
trans-1,4-Dichloro-2-butene
Concen: 76.00 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

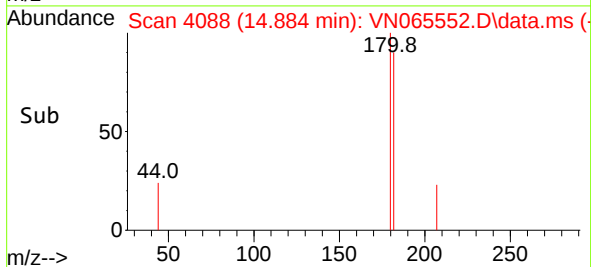
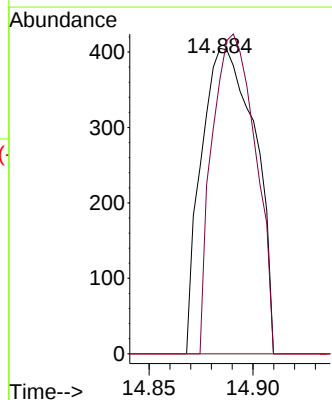
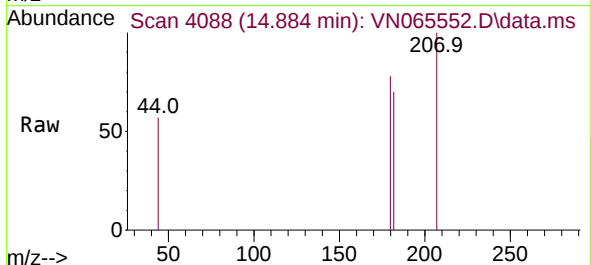
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

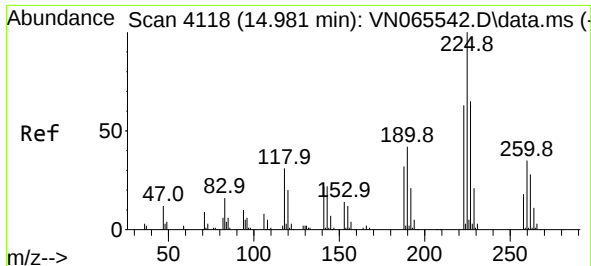
Tgt Ion: 75 Resp: 78203
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.03 ug/l
RT: 14.884 min Scan# 4088
Delta R.T. 0.003 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion:180 Resp: 725
Ion Ratio Lower Upper
180 100
182 84.4 47.6 142.9
145 0.0 15.3 45.8#

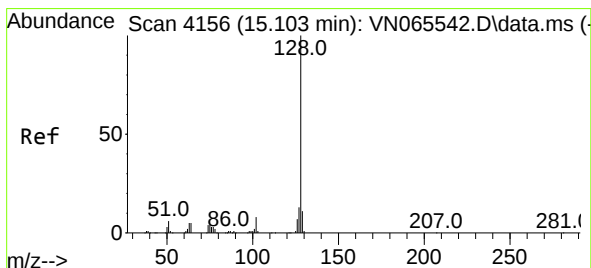
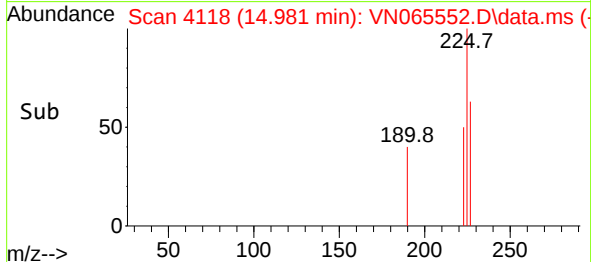
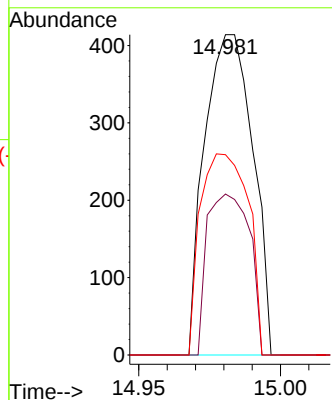
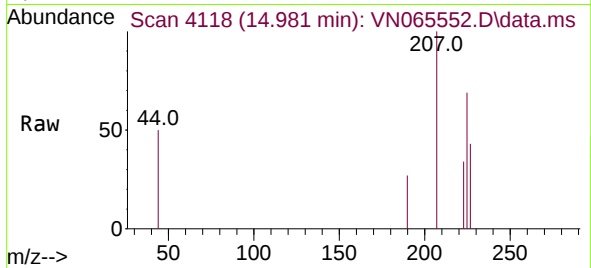




#94
Hexachlorobutadiene
Concen: 0.25 ug/l
RT: 14.981 min Scan# 4118
Delta R.T. -0.000 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

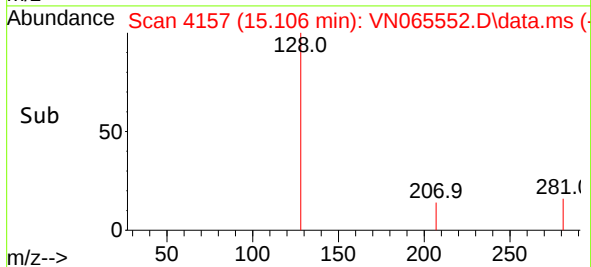
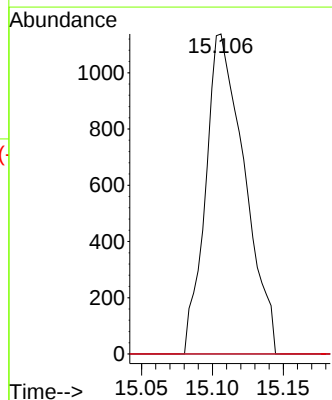
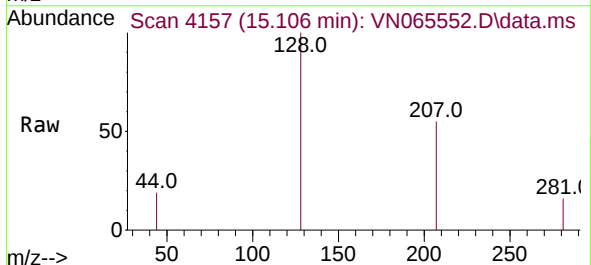
Instrument :
MSVOA_N
ClientSampleId :
PB134204TB

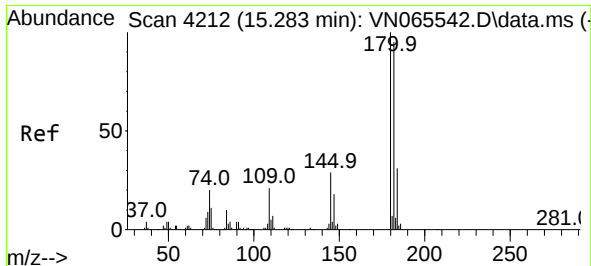
Tgt Ion:225 Resp: 488
Ion Ratio Lower Upper
225 100
223 44.3 31.0 93.0
227 62.5 32.0 96.0



#95
Naphthalene
Concen: 3.45 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.003 min
Lab File: VN065552.D
Acq: 19 Jan 2021 13:02

Tgt Ion:128 Resp: 2173
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.82 ug/l
 RT: 15.283 min Scan# 4212
 Delta R.T. -0.000 min
 Lab File: VN065552.D
 Acq: 19 Jan 2021 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB134204TB

Tgt Ion:180 Resp: 839
 Ion Ratio Lower Upper
 180 100
 182 104.4 48.1 144.4
 145 11.7 16.4 49.1#

