

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
 Data File : VN065401.D
 Acq On : 6 Jan 2021 15:39
 Operator : JC/MD
 Sample : PB133928TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133928TB

Quant Time: Jan 07 01:28:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

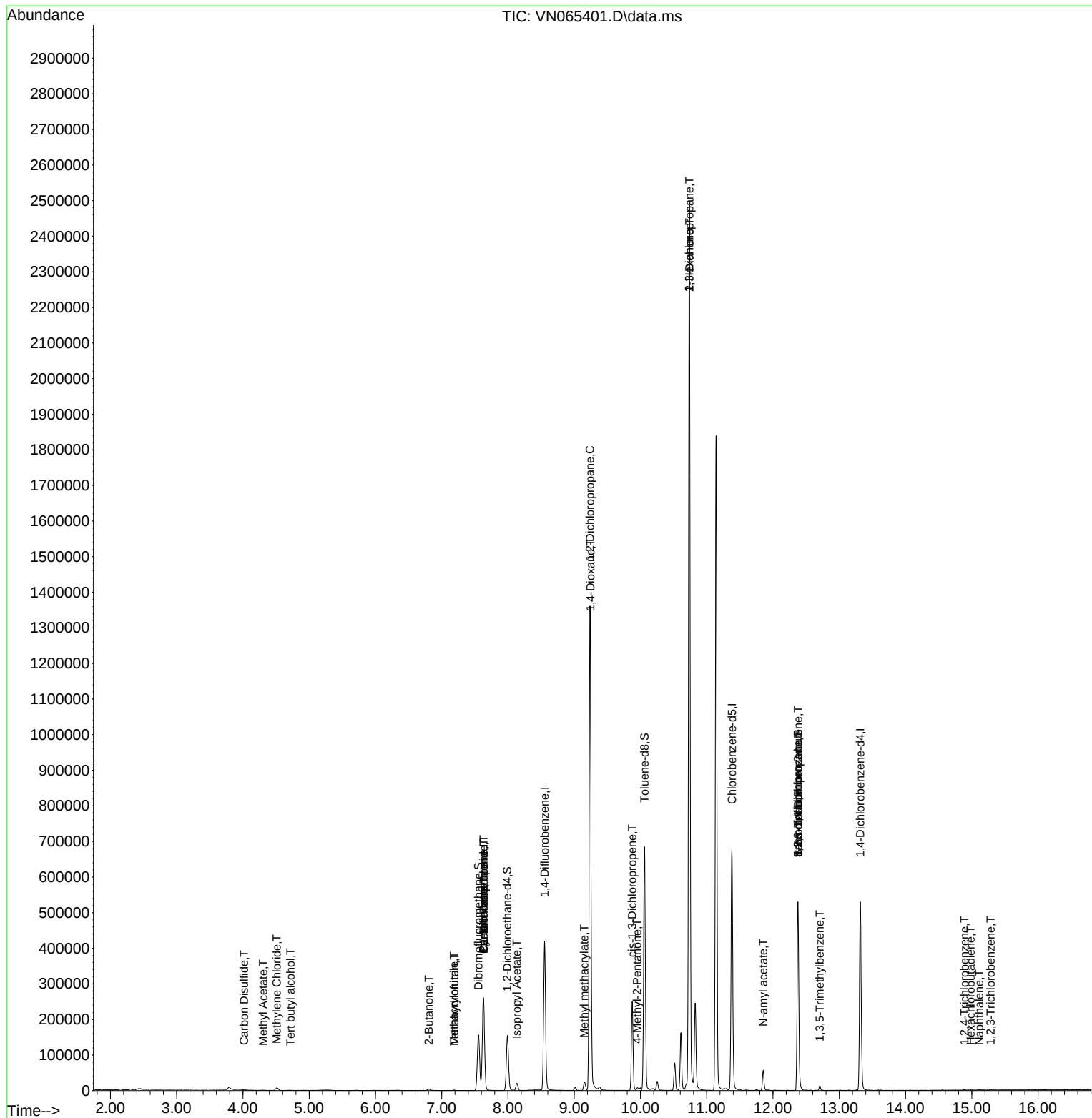
Internal Standards						
1) Pentafluorobenzene	7.630	168	237633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	397391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	431439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	168314	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	134597	50.17	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.34%			
35) Dibromofluoromethane	7.553	113	121759	50.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.58%			
50) Toluene-d8	10.061	98	503257	56.01	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 112.02%			
62) 4-Bromofluorobenzene	12.376	95	189051	52.87	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.74%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.721	59	198	0.45	ug/l #	73
16) Acetone	3.791	43	9592	Below Cal		100
17) Carbon Disulfide	4.016	76	1235	0.21	ug/l #	75
18) Methyl Acetate	4.306	43	1275	0.53	ug/l #	60
20) Methylene Chloride	4.512	84	5827	2.23	ug/l	93
25) 2-Butanone	6.804	43	1133	0.75	ug/l #	49
29) Tetrahydrofuran	7.190	42	1203	1.24	ug/l #	63
31) Cyclohexane	7.630	56	4009	1.01	ug/l #	3
36) 1,1-Dichloropropene	7.630	75	15188	4.20	ug/l #	49
38) Carbon Tetrachloride	7.630	117	19555	5.15	ug/l #	16
41) Methacrylonitrile	7.187	41	517	0.28	ug/l #	17
43) Isopropyl Acetate	8.132	43	24554	3.98	ug/l	98
45) 1,2-Dichloropropane	9.238	63	1664	0.60	ug/l #	43
48) Methyl methacrylate	9.151	41	5774	1.93	ug/l #	12
49) 1,4-Dioxane	9.244	88	30	0.62	ug/l #	1
51) 4-Methyl-2-Pentanone	9.949	43	5715	1.65	ug/l	93
54) cis-1,3-Dichloropropene	9.875	75	46911	9.79	ug/l #	60
57) 1,3-Dichloropropane	10.736	76	26906	6.08	ug/l #	42
59) 2-Hexanone	10.736	43	354929	139.11	ug/l #	49
71) Bromoform	12.376	173	988	0.34	ug/l #	1
74) N-amyl acetate	11.852	43	17931	3.51	ug/l #	50
76) 1,2,3-Trichloropropane	12.376	75	90383	26.32	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.704	105	8028	0.73	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.376	75	90383	66.37	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.891	180	859	3.08	ug/l #	83
94) Hexachlorobutadiene	14.984	225	527	0.25	ug/l	75
95) Naphthalene	15.112	128	2544	3.64	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.286	180	988	3.52	ug/l	90

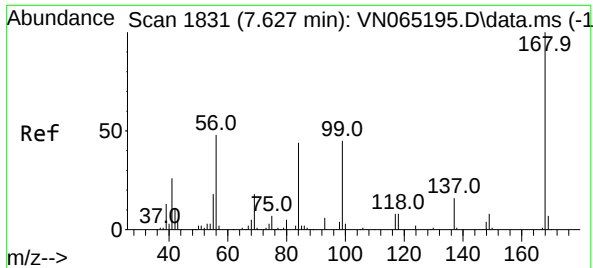
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
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Acq On : 6 Jan 2021 15:39
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Jan 07 01:28:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

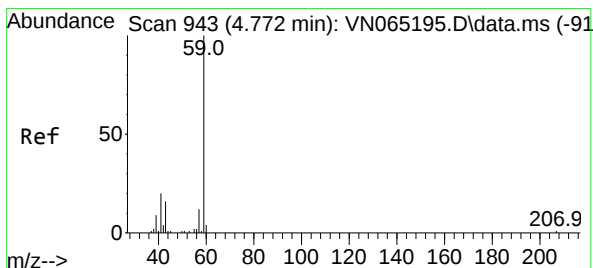
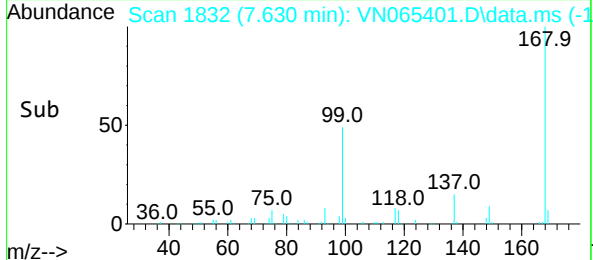
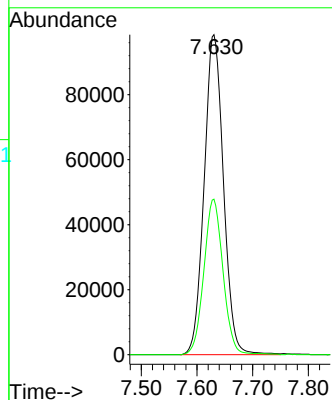
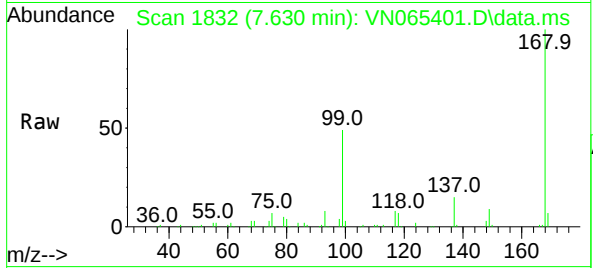




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

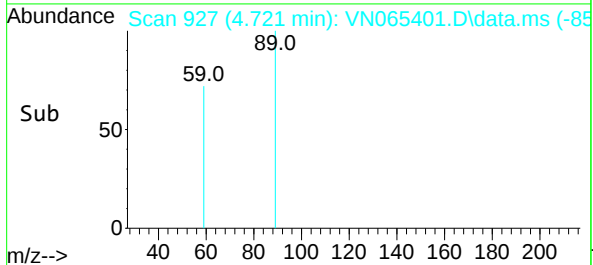
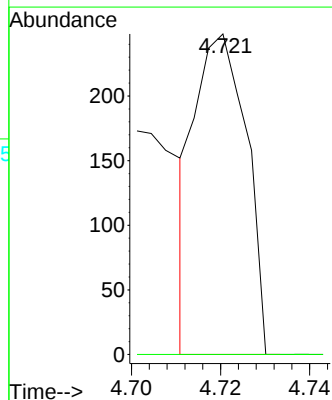
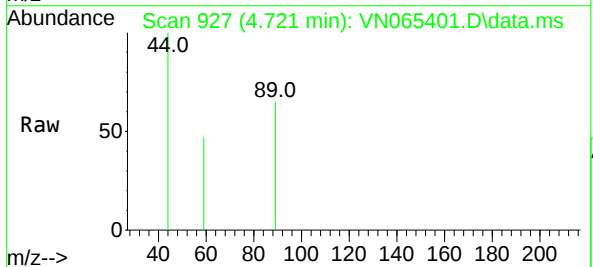
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

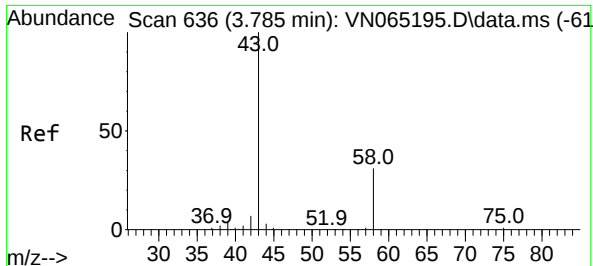
Tgt Ion:168 Resp: 237633
Ion Ratio Lower Upper
168 100
99 48.6 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.45 ug/l
RT: 4.721 min Scan# 927
Delta R.T. -0.051 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

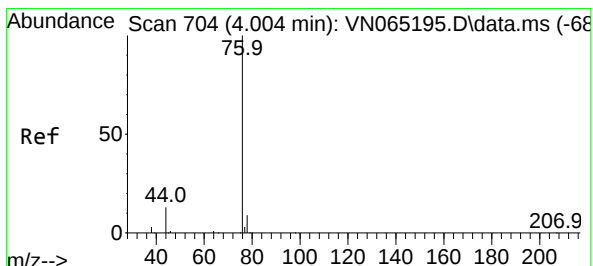
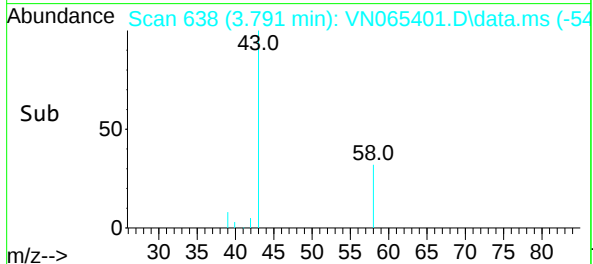
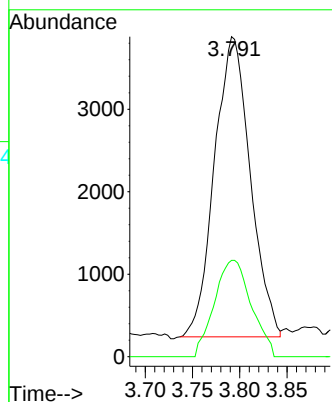
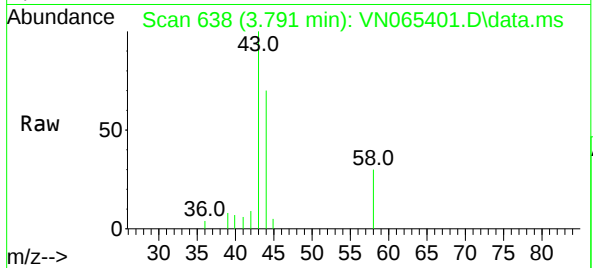




#16
Acetone
Concen: Below Cal
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

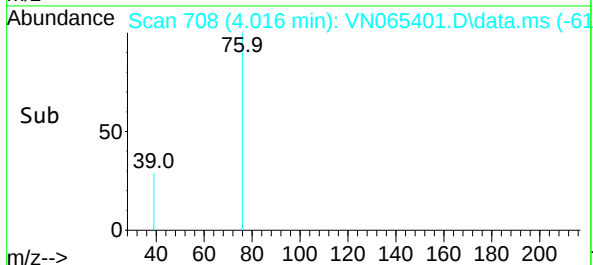
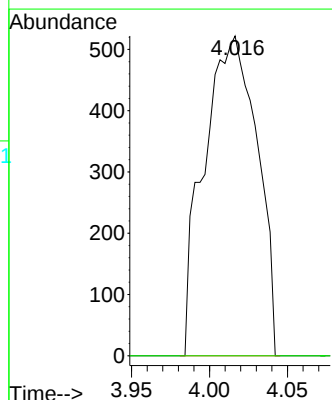
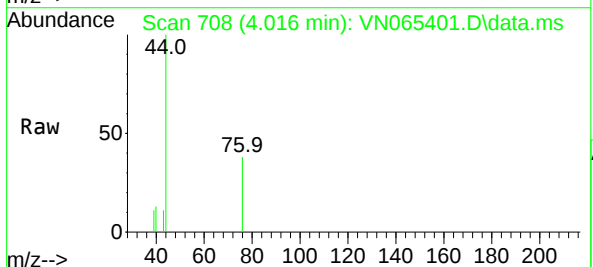
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

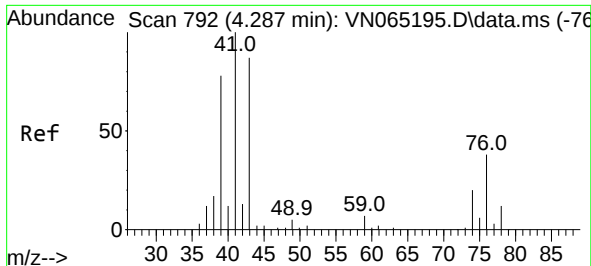
Tgt Ion: 43 Resp: 9592
Ion Ratio Lower Upper
43 100
58 32.1 25.7 38.5



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.016 min Scan# 708
Delta R.T. 0.012 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

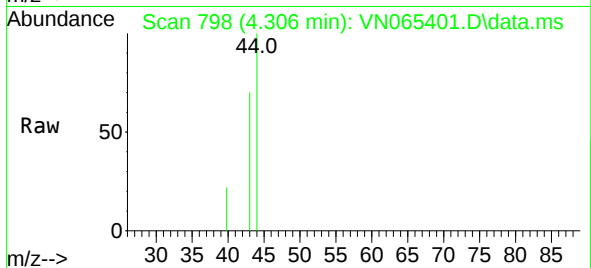
Tgt Ion: 76 Resp: 1235
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



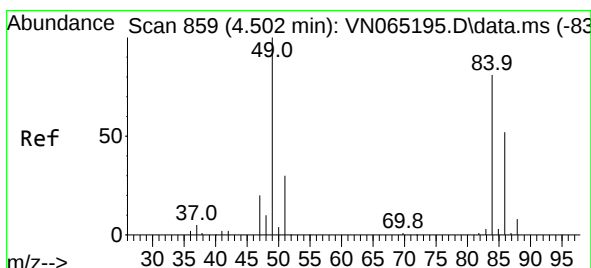
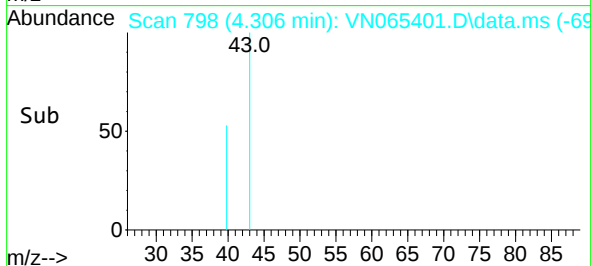
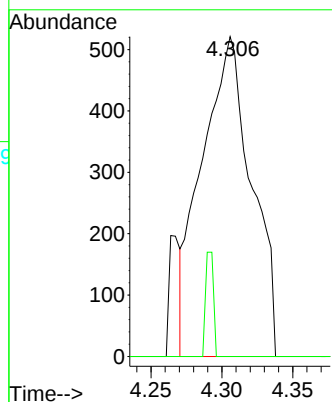


#18
Methyl Acetate
Concen: 0.53 ug/l
RT: 4.306 min Scan# 798
Delta R.T. 0.019 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

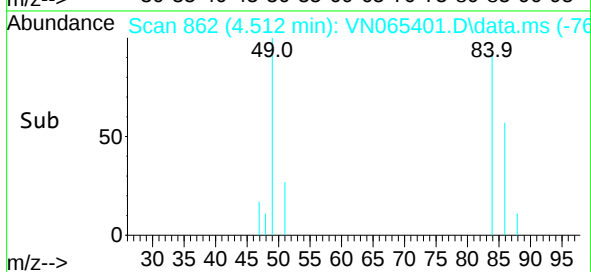
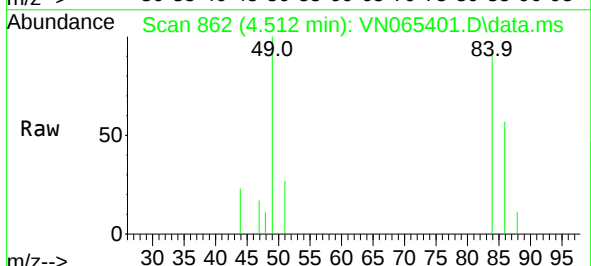
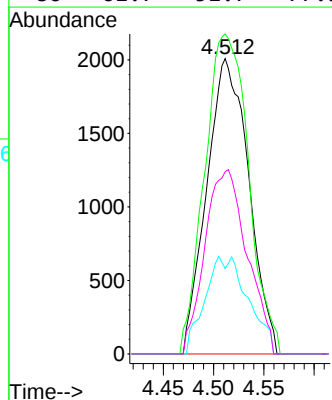


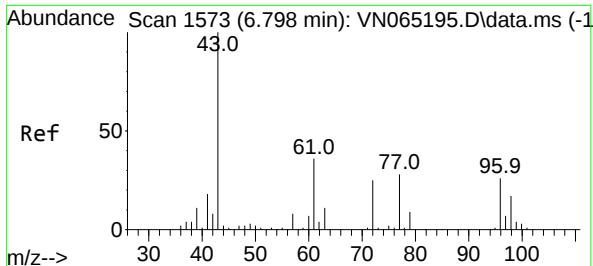
Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
74 5.2 20.2 30.2#



#20
Methylene Chloride
Concen: 2.23 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 84 Resp: 5827
Ion Ratio Lower Upper
84 100
49 108.3 93.4 140.0
51 28.9 28.2 42.4
86 61.7 51.7 77.5

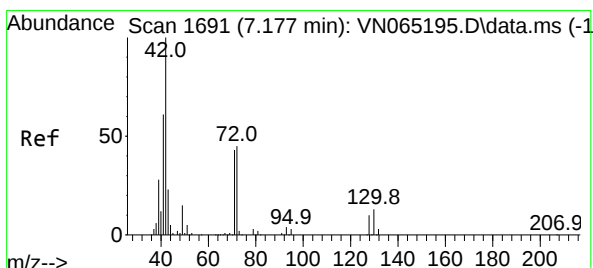
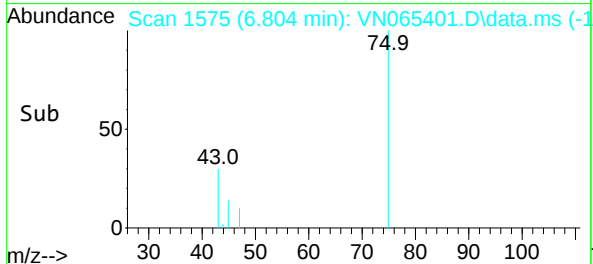
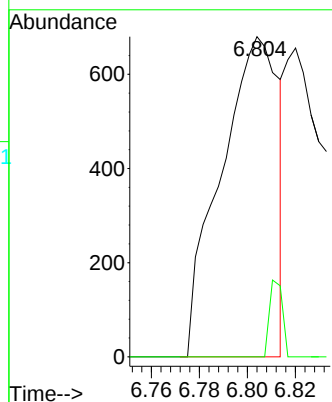
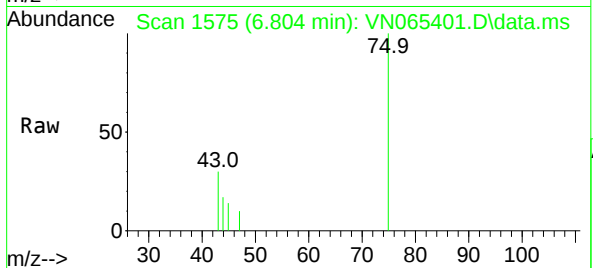




#25
2-Butanone
Concen: 0.75 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

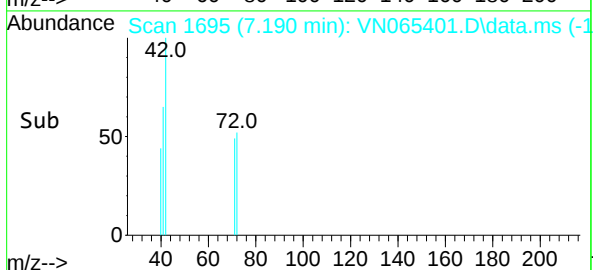
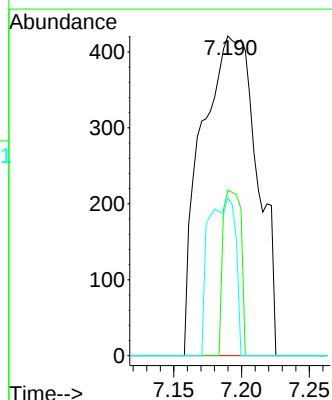
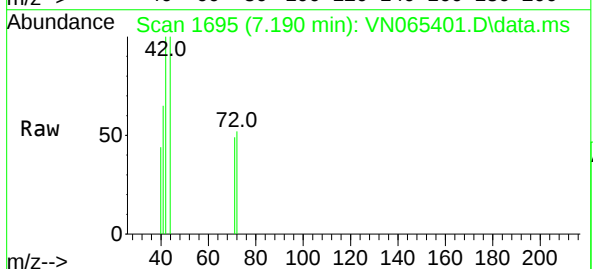
Instrument :
MSVOA_N
ClientSampled :
PB133928TB

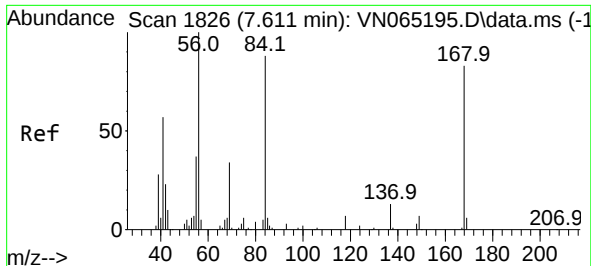
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#29
Tetrahydrofuran
Concen: 1.24 ug/l
RT: 7.190 min Scan# 1695
Delta R.T. 0.013 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

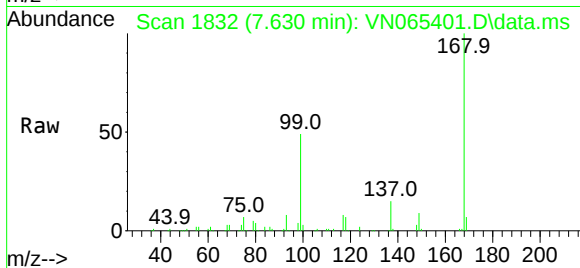
Tgt Ion: 42 Resp: 1203
Ion Ratio Lower Upper
42 100
72 16.5 36.6 54.8#
71 23.9 33.6 50.4#



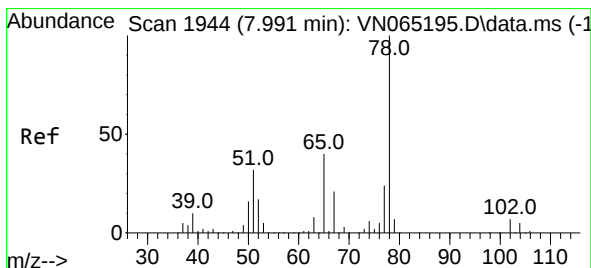
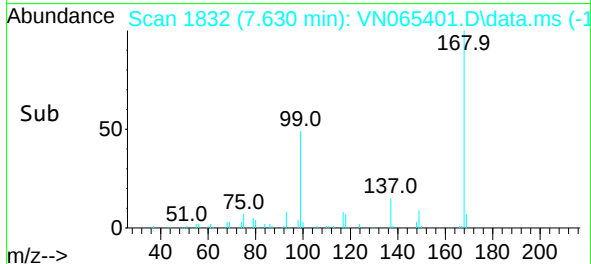
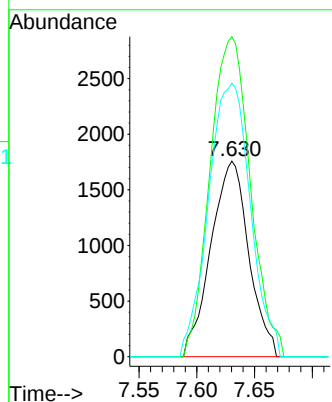


#31
Cyclohexane
Concen: 1.01 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.019 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

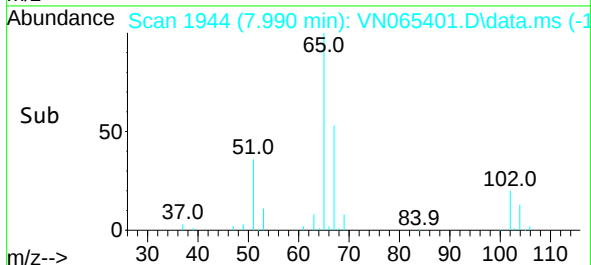
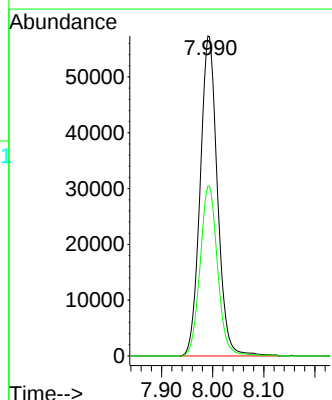
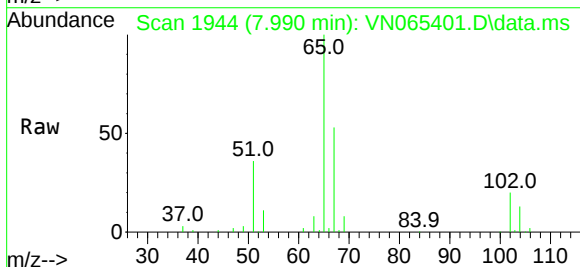


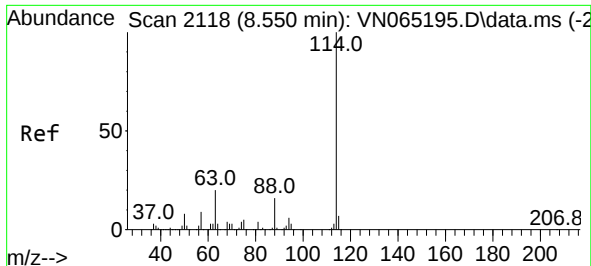
Tgt Ion: 56 Resp: 4009
Ion Ratio Lower Upper
56 100
69 163.7 27.5 41.3#
84 139.8 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 50.17 ug/l
RT: 7.990 min Scan# 1944
Delta R.T. -0.001 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 65 Resp: 134597
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. 0.003 min

Lab File: VN065401.D

Acq: 6 Jan 2021 15:39

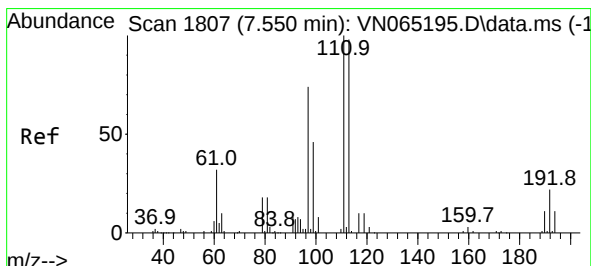
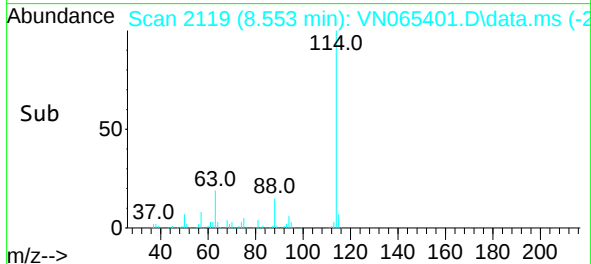
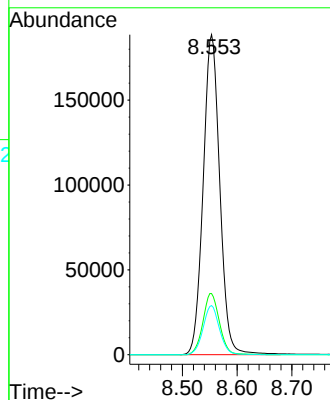
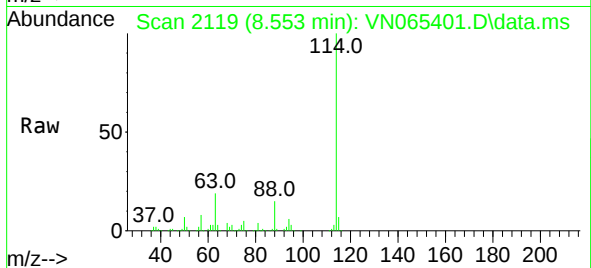
Tgt Ion:114 Resp: 397391

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.79 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065401.D

Acq: 6 Jan 2021 15:39

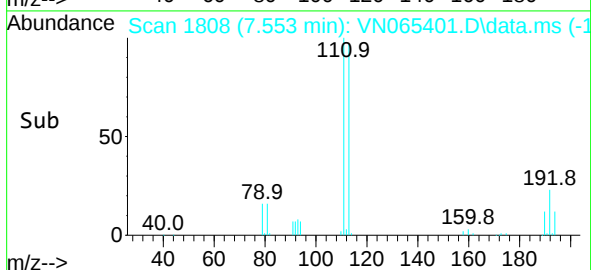
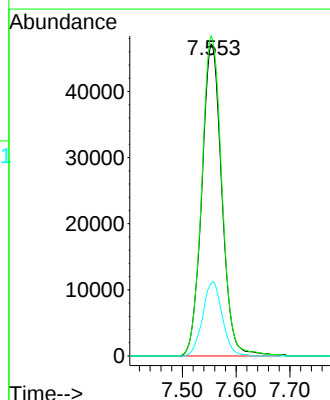
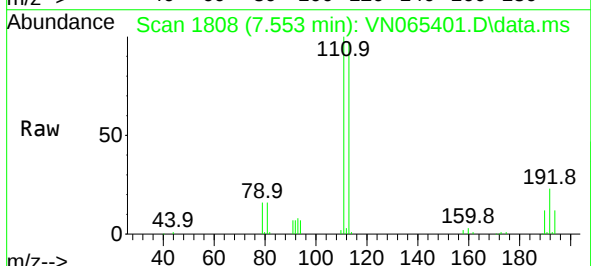
Tgt Ion:113 Resp: 121759

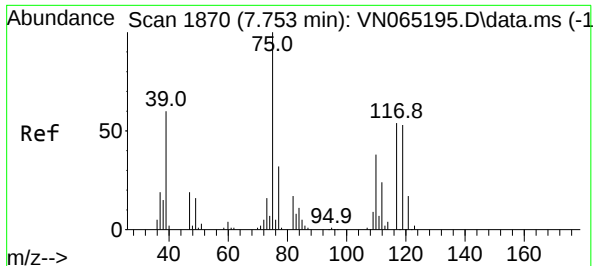
Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

192 23.3 16.2 24.2

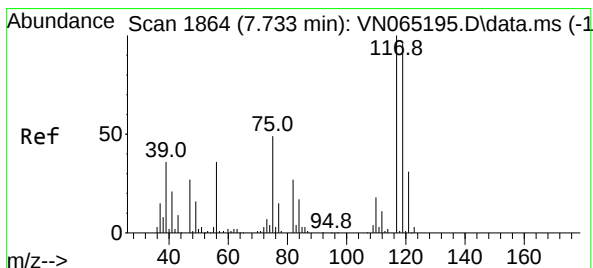
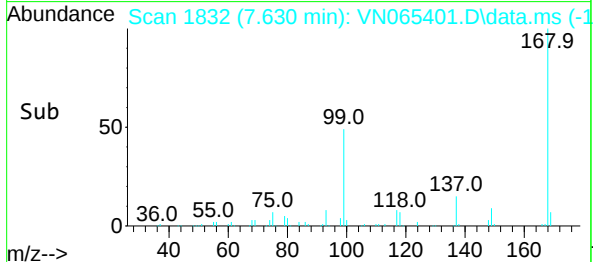
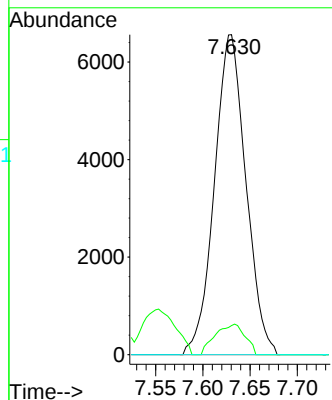
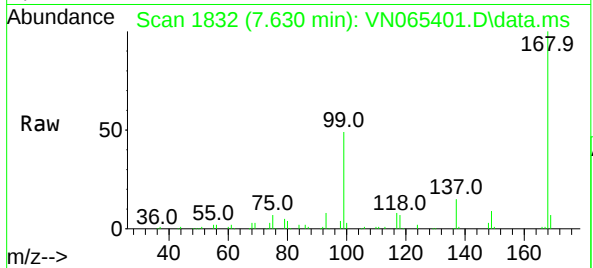




#36
1,1-Dichloropropene
Concen: 4.20 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

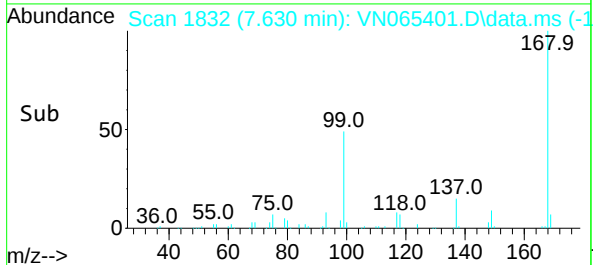
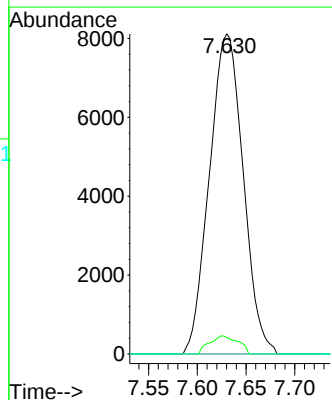
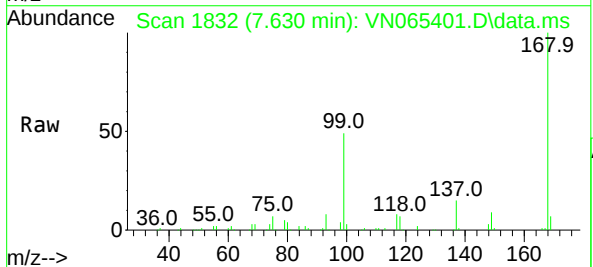
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

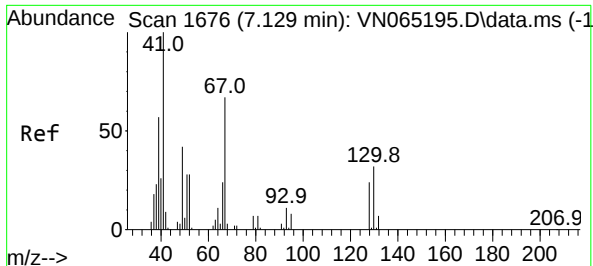
Tgt Ion: 75 Resp: 15188
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.15 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

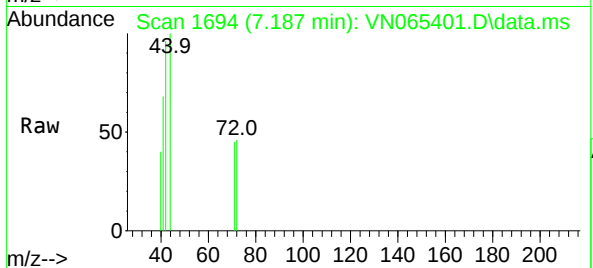
Tgt Ion: 117 Resp: 19555
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 25.4 38.2#



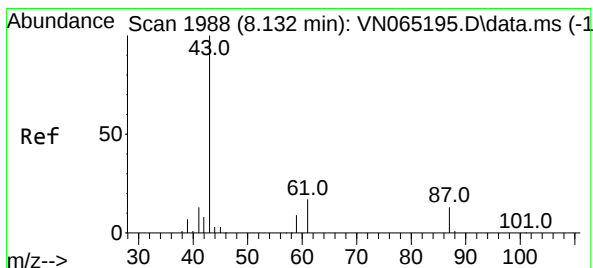
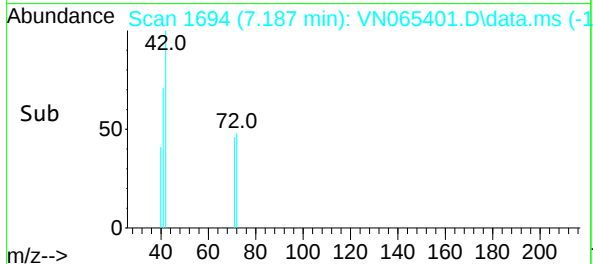
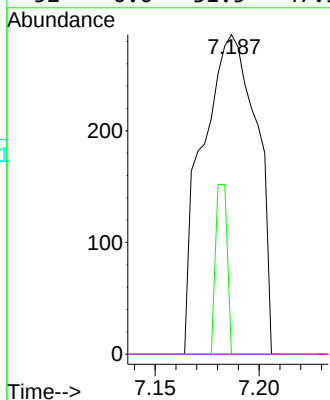


#41
Methacrylonitrile
Concen: 0.28 ug/l
RT: 7.187 min Scan# 1694
Delta R.T. 0.058 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

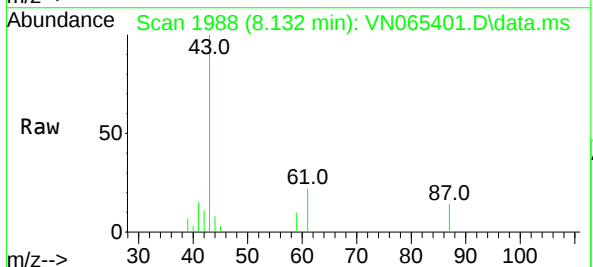
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB



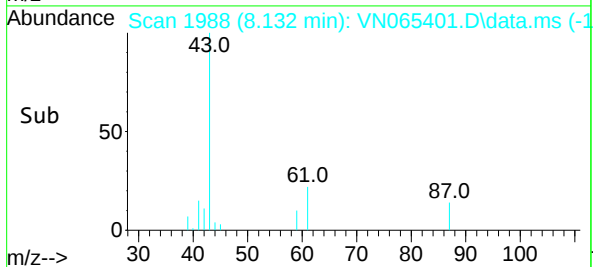
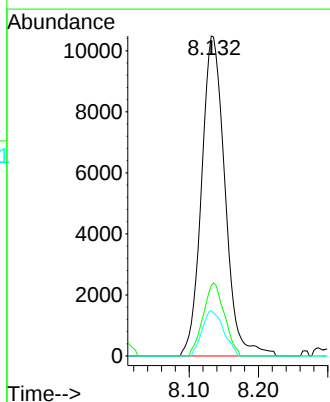
Tgt Ion: 41	Resp: 517
Ion Ratio	Lower Upper
41 100	
39 11.4	51.0 76.6#
67 0.0	79.8 119.8#
52 0.0	31.5 47.3#

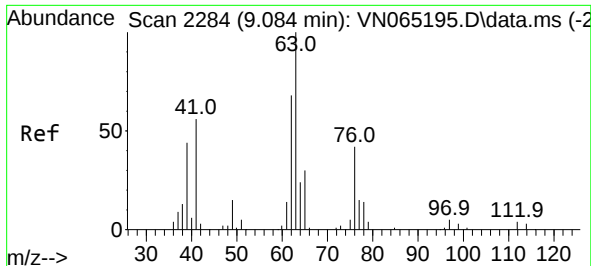


#43
Isopropyl Acetate
Concen: 3.98 ug/l
RT: 8.132 min Scan# 1988
Delta R.T. -0.000 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39



Tgt Ion: 43	Resp: 24554
Ion Ratio	Lower Upper
43 100	
61 20.7	17.2 25.8
87 13.0	11.4 17.0

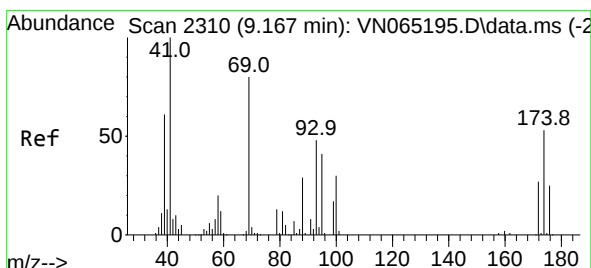
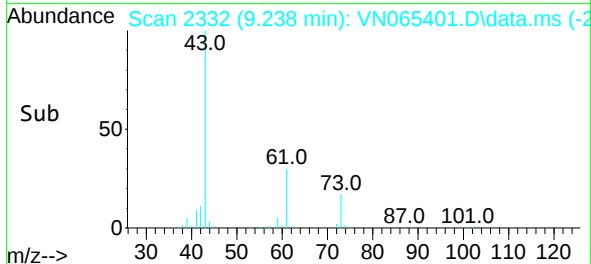
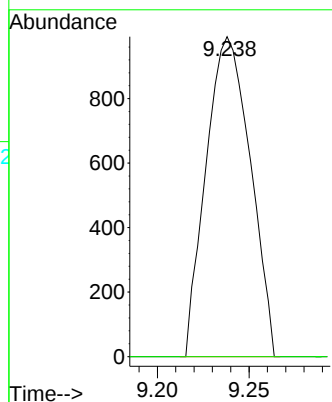
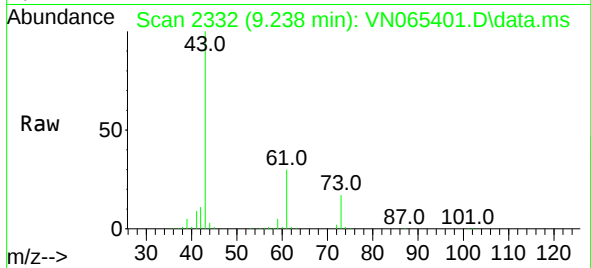




#45
1,2-Dichloropropane
Concen: 0.60 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

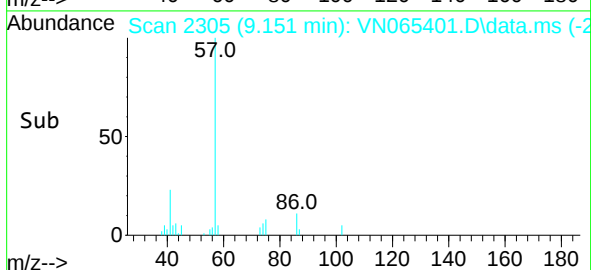
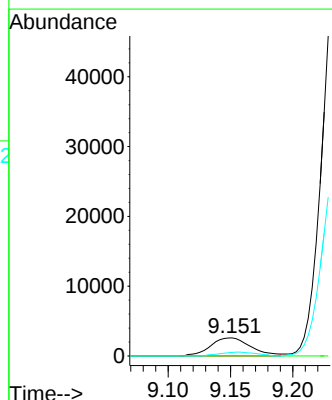
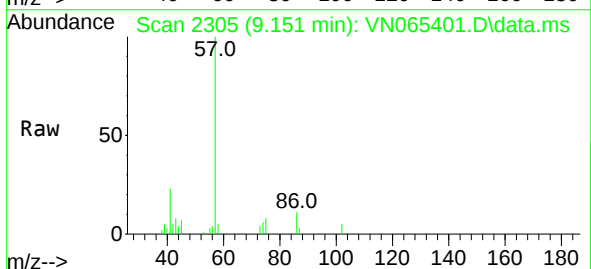
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

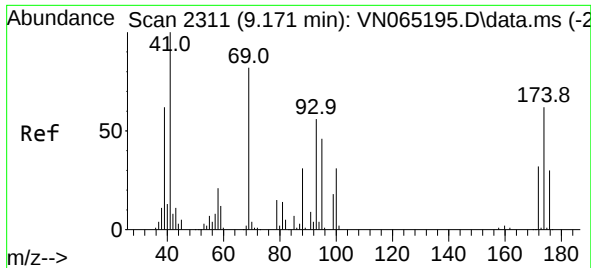
Tgt Ion: 63 Resp: 1664
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.93 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 41 Resp: 5774
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

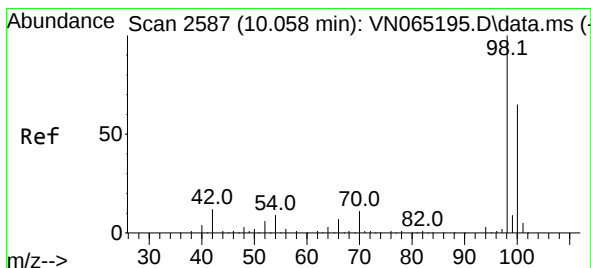
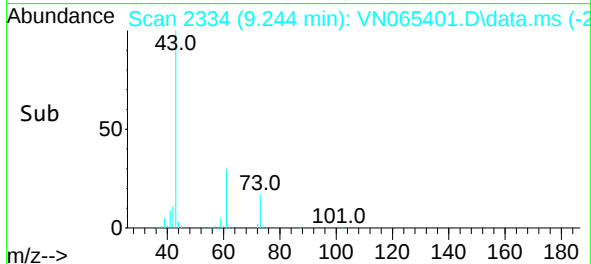
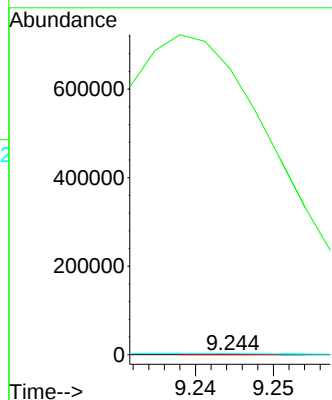
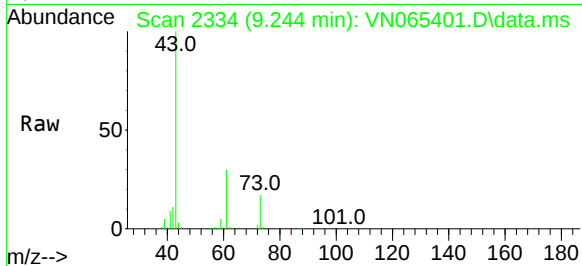




#49
1,4-Dioxane
Concen: 0.62 ug/l
RT: 9.244 min Scan# 2334
Delta R.T. 0.073 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

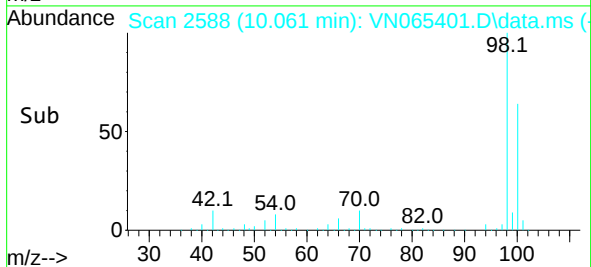
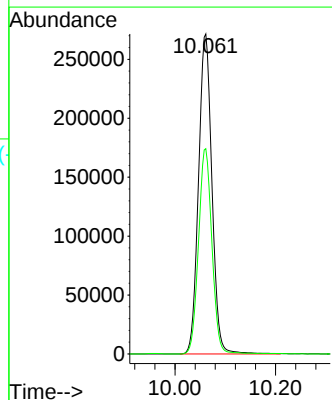
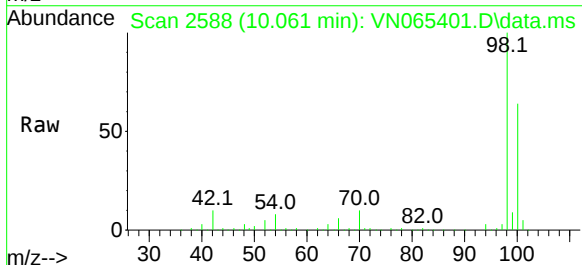
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

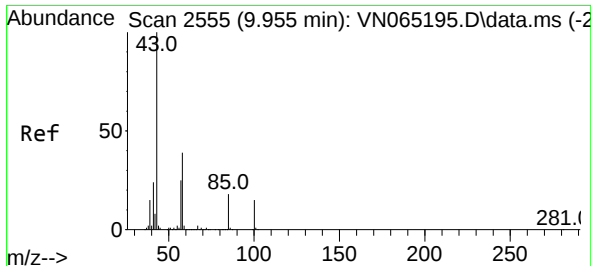
Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 4487320.0 24.2 36.4#
58 18663.3 52.5 78.7#



#50
Toluene-d8
Concen: 56.01 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 98 Resp: 503257
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5

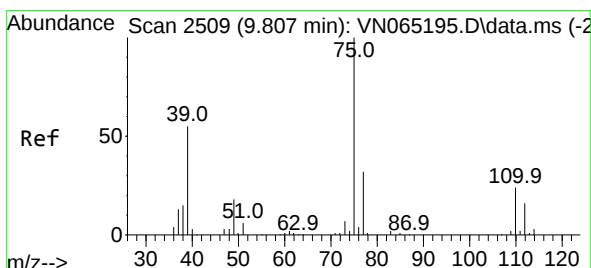
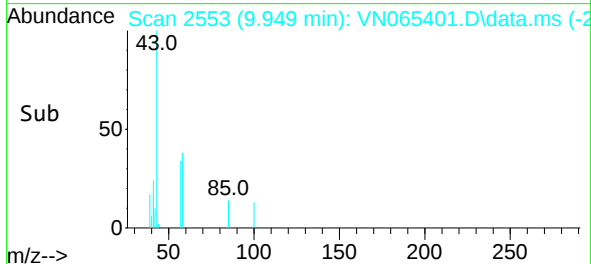
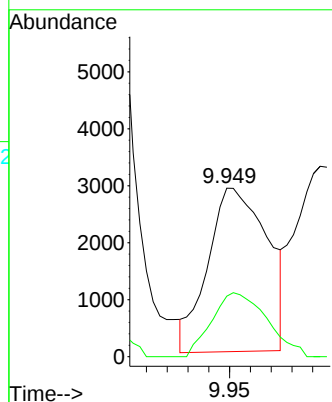
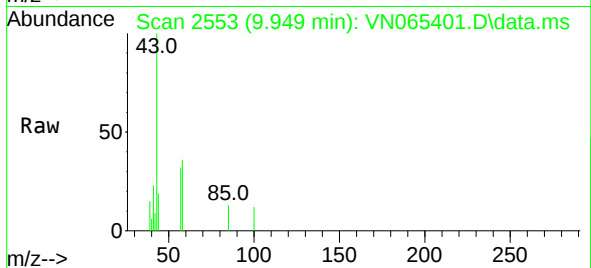




#51
4-Methyl-2-Pentanone
Concen: 1.65 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.006 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

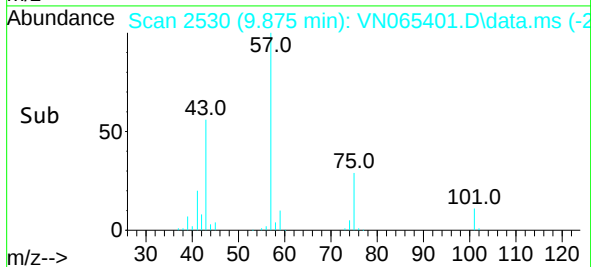
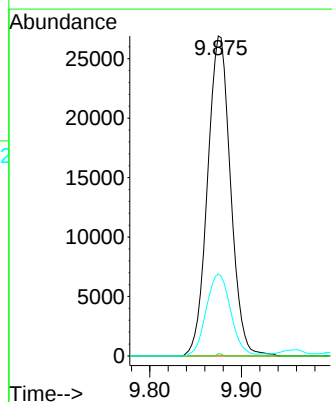
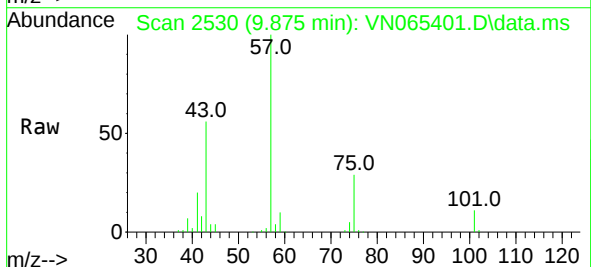
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

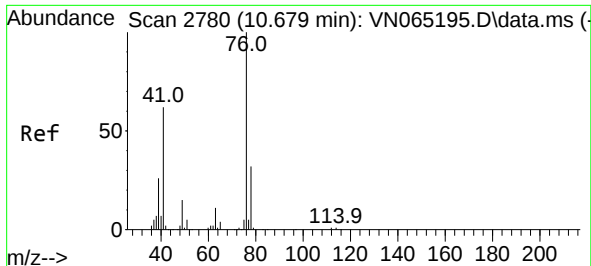
Tgt Ion: 43 Resp: 5715
Ion Ratio Lower Upper
43 100
58 36.3 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 9.79 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 75 Resp: 46911
Ion Ratio Lower Upper
75 100
77 0.7 25.5 38.3#
39 25.7 35.6 53.4#

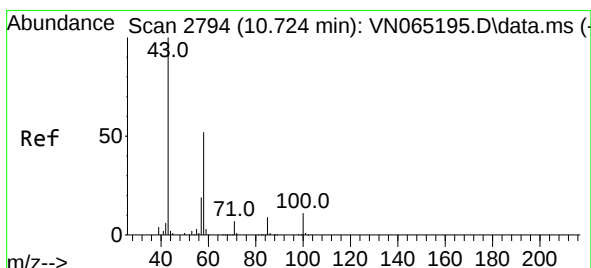
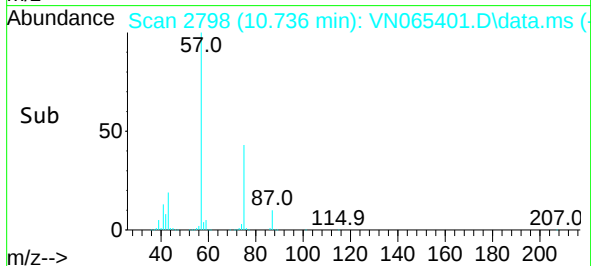
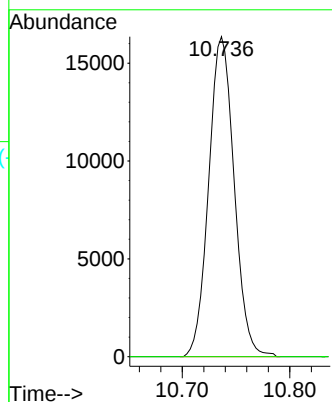
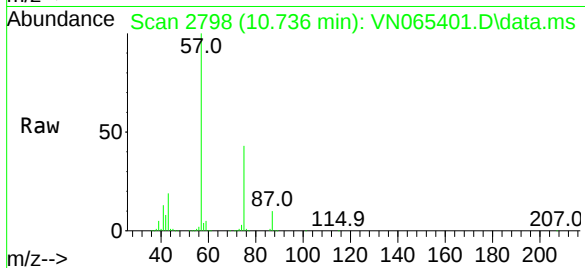




#57
1,3-Dichloropropane
Concen: 6.08 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

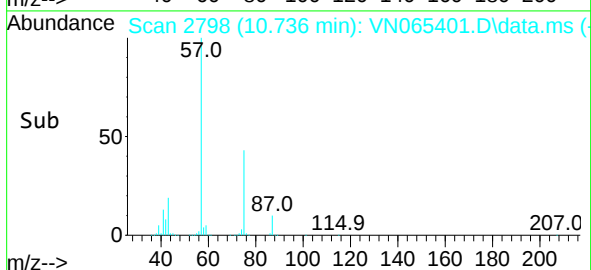
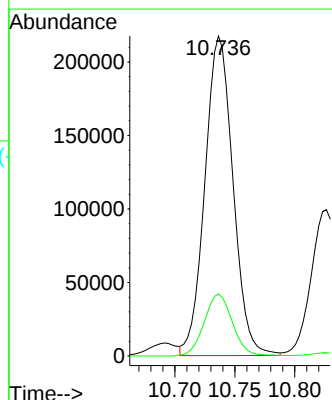
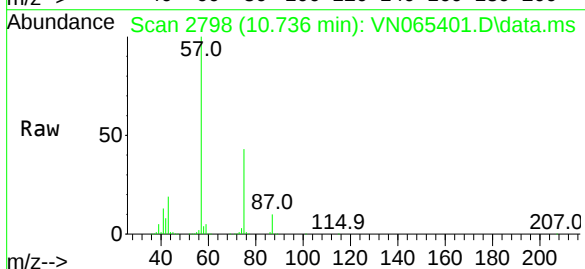
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

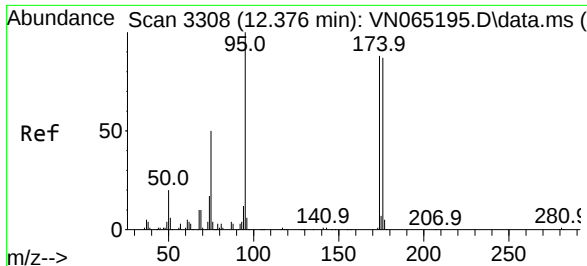
Tgt Ion: 76 Resp: 26906
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 139.11 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 43 Resp: 354929
Ion Ratio Lower Upper
43 100
58 19.5 28.3 84.9#

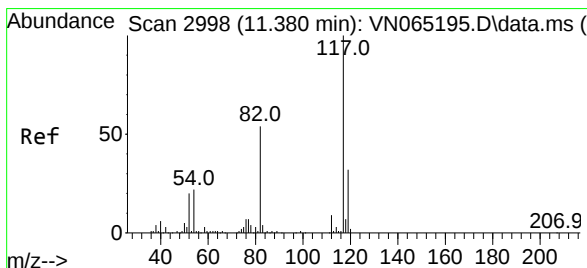
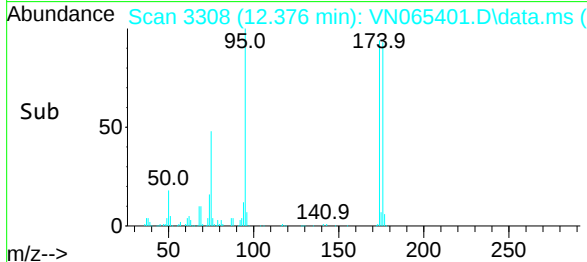
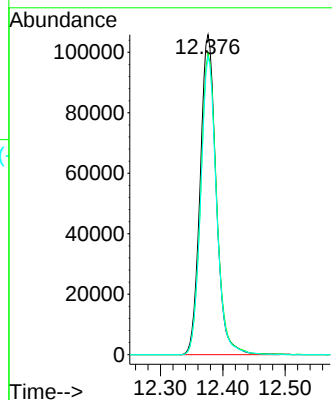
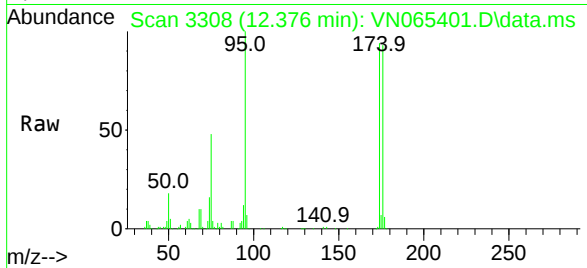




#62
4-Bromofluorobenzene
Concen: 52.87 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

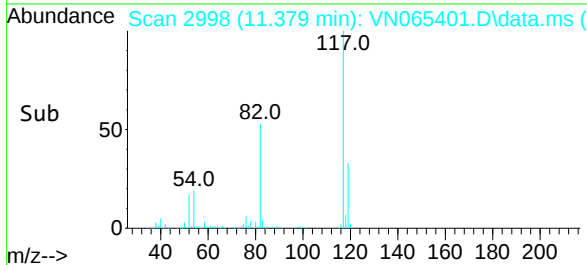
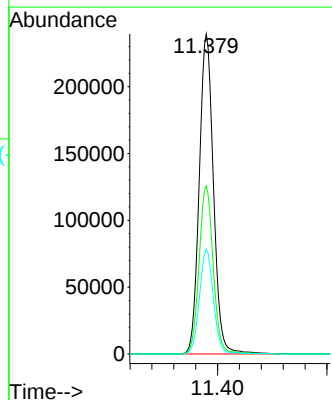
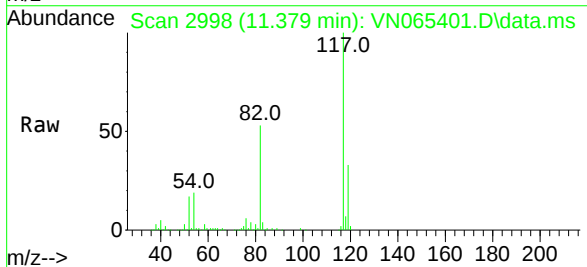
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

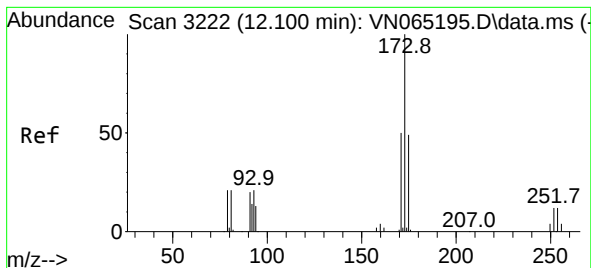
Tgt Ion: 95 Resp: 189051
Ion Ratio Lower Upper
95 100
174 94.1 0.0 160.4
176 91.5 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 117 Resp: 431439
Ion Ratio Lower Upper
117 100
82 52.5 44.2 66.2
119 32.7 25.8 38.6





#71

Bromoform

Concen: 0.34 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.276 min

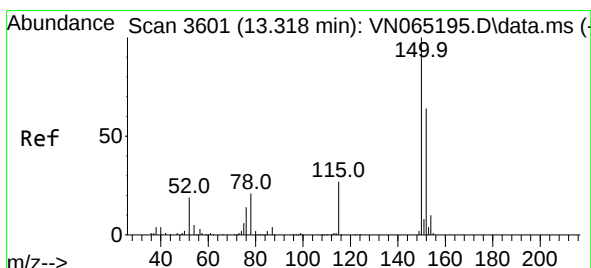
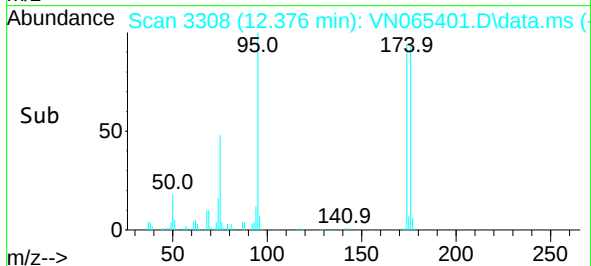
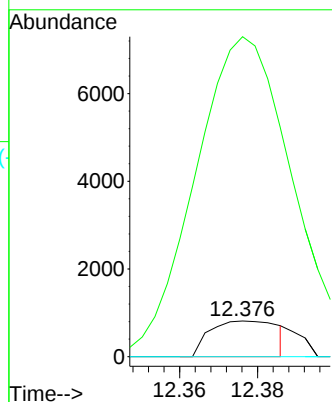
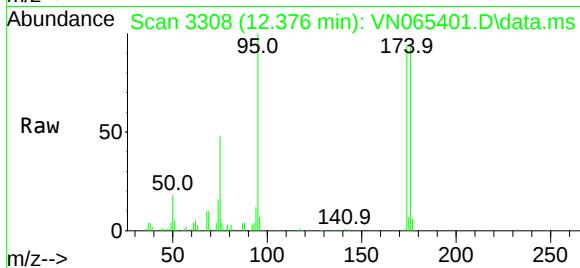
Lab File: VN065401.D

Acq: 6 Jan 2021 15:39

Tgt Ion:173 Resp: 988

Ion	Ratio	Lower	Upper
173	100		
175	1056.3	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
PB133928TB



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

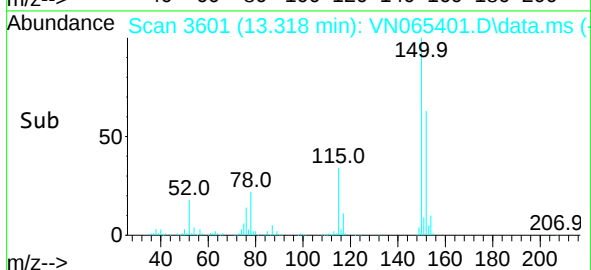
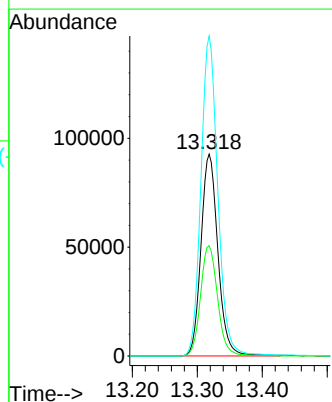
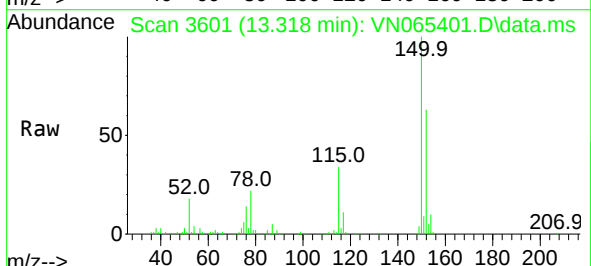
Delta R.T. 0.000 min

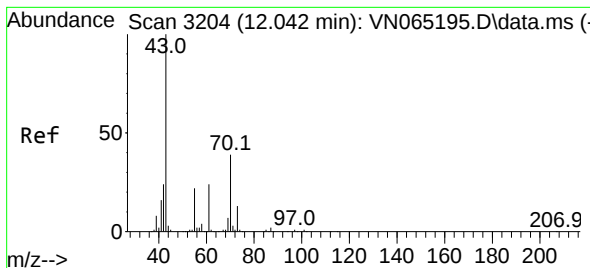
Lab File: VN065401.D

Acq: 6 Jan 2021 15:39

Tgt Ion:152 Resp: 168314

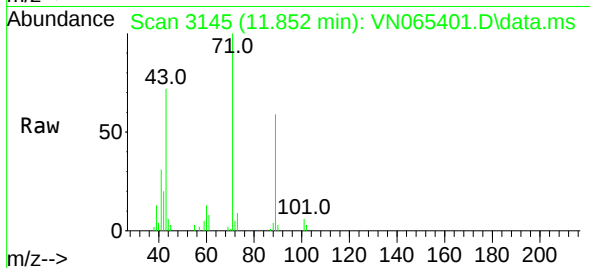
Ion	Ratio	Lower	Upper
152	100		
115	55.0	29.7	89.1
150	157.9	0.0	350.6



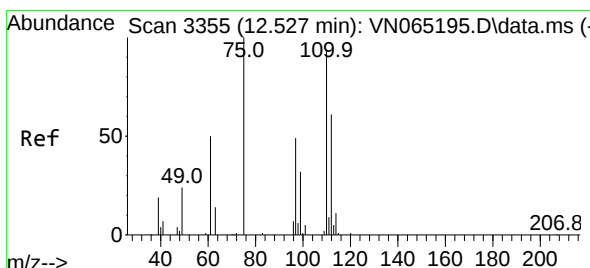
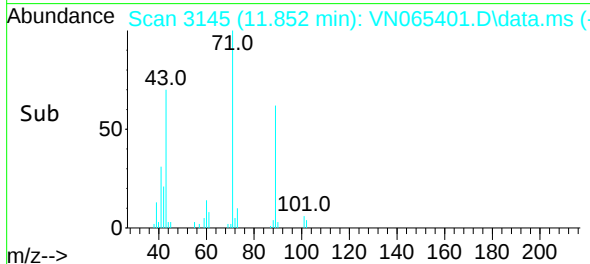
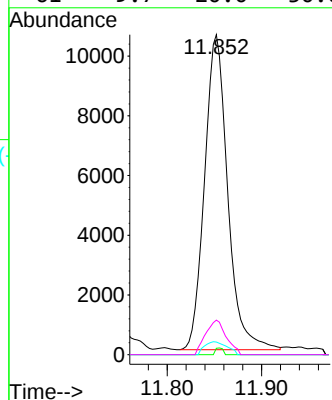


#74
N-amy1 acetate
Concen: 3.51 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.190 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

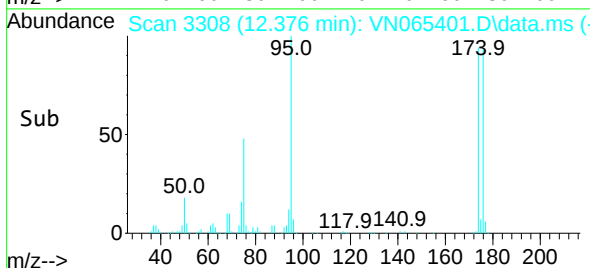
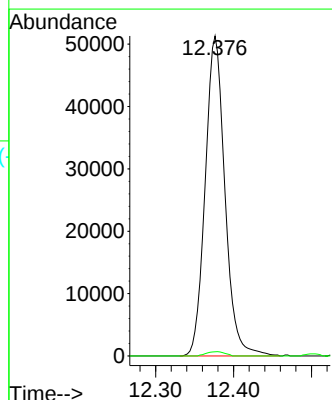
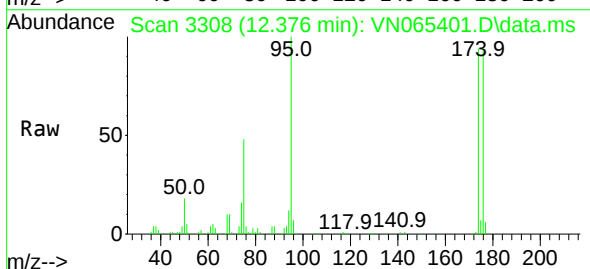


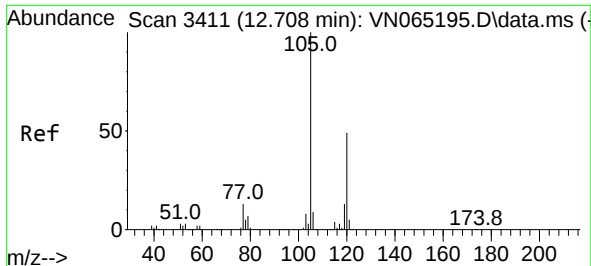
Tgt Ion: 43	Resp: 17931
Ion Ratio	Lower Upper
43	100
70	0.7 34.5 51.7#
55	4.0 20.4 30.6#
61	9.7 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 26.32 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 75	Resp: 90383
Ion Ratio	Lower Upper
75	100
77	1.3 0.0 0.0#

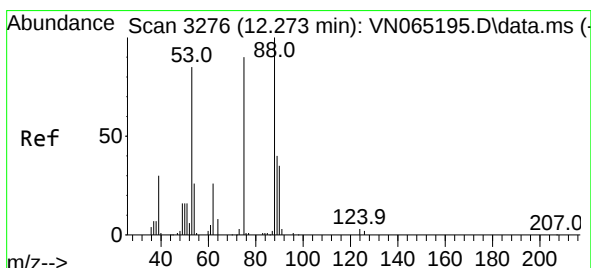
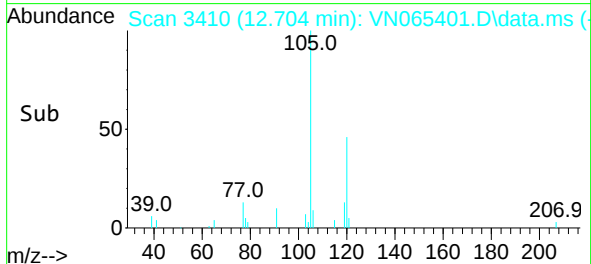
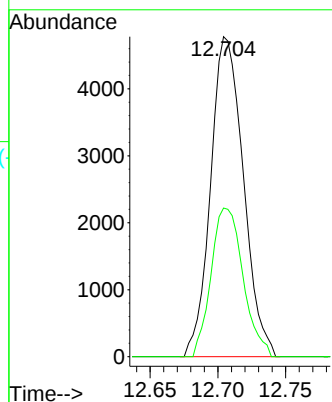
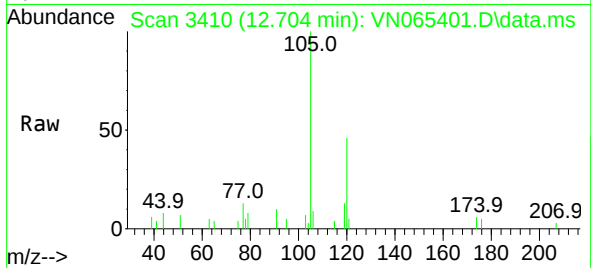




#80
1,3,5-Trimethylbenzene
Concen: 0.73 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. -0.004 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

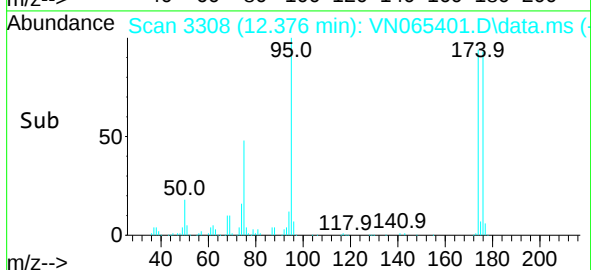
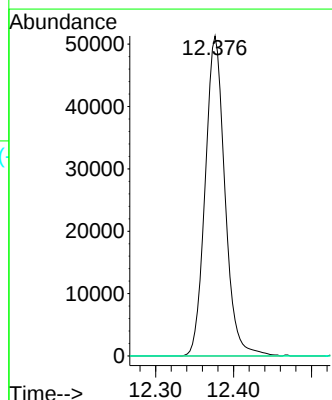
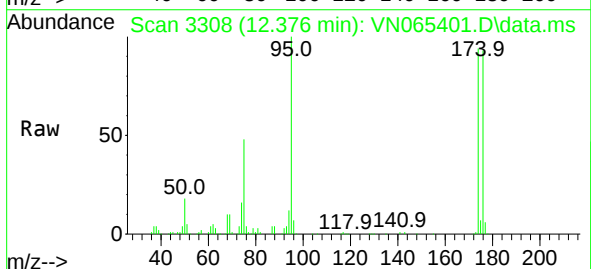
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

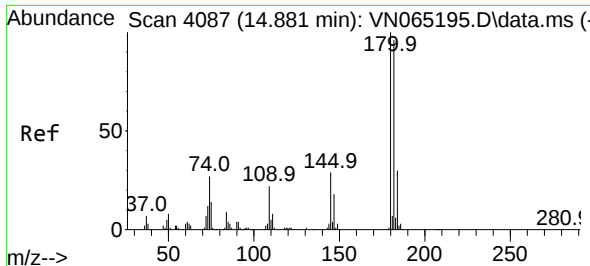
Tgt Ion:105 Resp: 8028
Ion Ratio Lower Upper
105 100
120 45.3 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 66.37 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion: 75 Resp: 90383
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

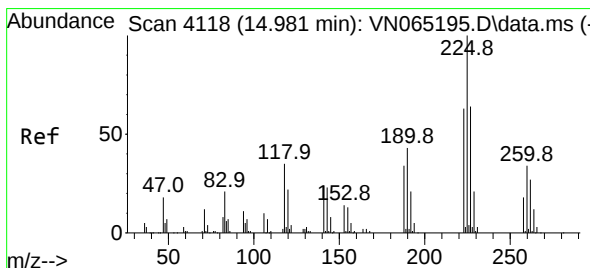
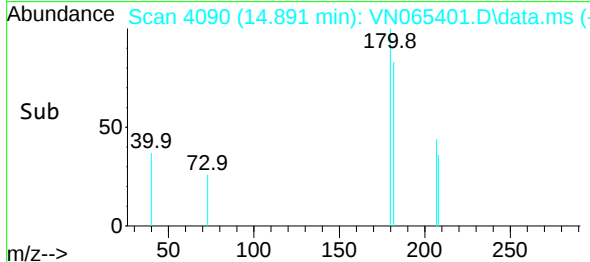
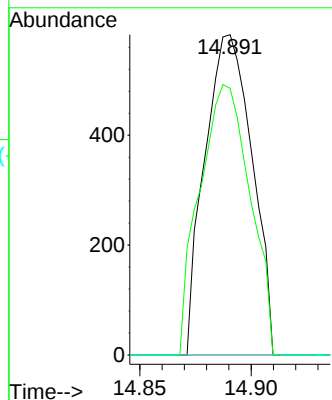
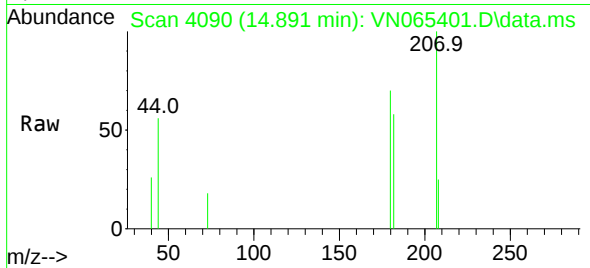




#93
1,2,4-Trichlorobenzene
Concen: 3.08 ug/l
RT: 14.891 min Scan# 4090
Delta R.T. 0.010 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

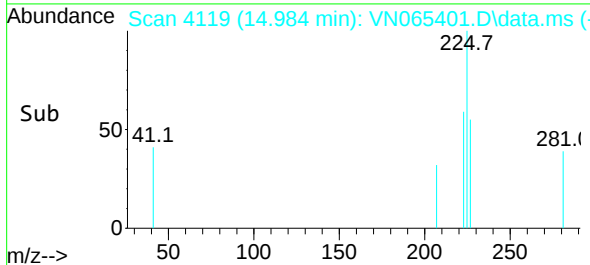
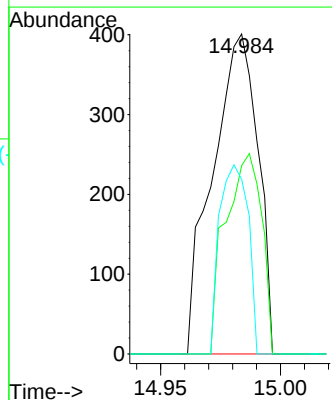
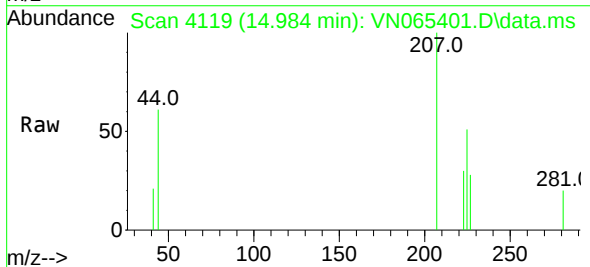
Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

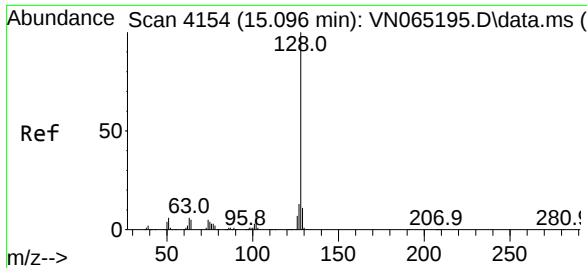
Tgt Ion:180 Resp: 859
Ion Ratio Lower Upper
180 100
182 90.3 47.6 142.9
145 0.0 15.3 45.8#



#94
Hexachlorobutadiene
Concen: 0.25 ug/l
RT: 14.984 min Scan# 4119
Delta R.T. 0.003 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion:225 Resp: 527
Ion Ratio Lower Upper
225 100
223 49.9 31.0 93.0
227 37.4 32.0 96.0

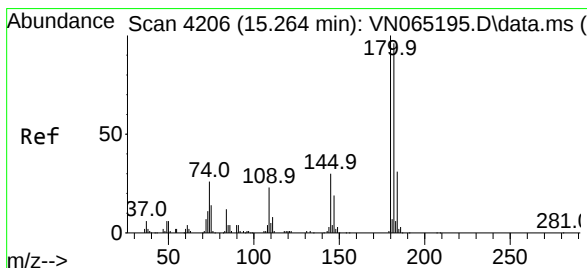
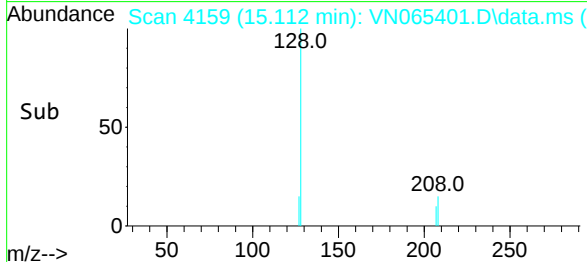
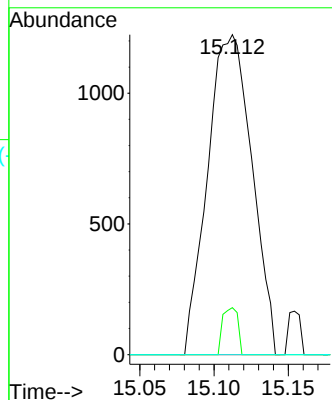
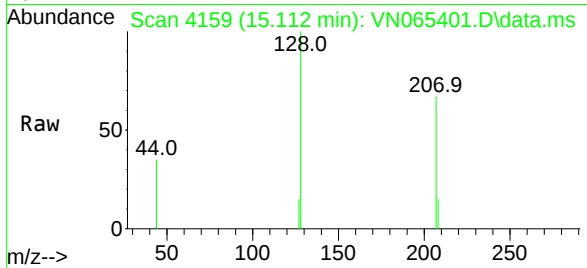




#95
Naphthalene
Concen: 3.64 ug/l
RT: 15.112 min Scan# 4159
Delta R.T. 0.016 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Instrument :
MSVOA_N
ClientSampleId :
PB133928TB

Tgt Ion:128 Resp: 2544
Ion Ratio Lower Upper
128 100
127 5.0 10.3 15.5#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.52 ug/l
RT: 15.286 min Scan# 4213
Delta R.T. 0.022 min
Lab File: VN065401.D
Acq: 6 Jan 2021 15:39

Tgt Ion:180 Resp: 988
Ion Ratio Lower Upper
180 100
182 101.0 48.1 144.4
145 17.6 16.4 49.1

