

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010821\
 Data File : VN065453.D
 Acq On : 8 Jan 2021 19:07
 Operator : JC/MD
 Sample : PB133969ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133969ZHE#05

Quant Time: Jan 08 22:51:01 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)

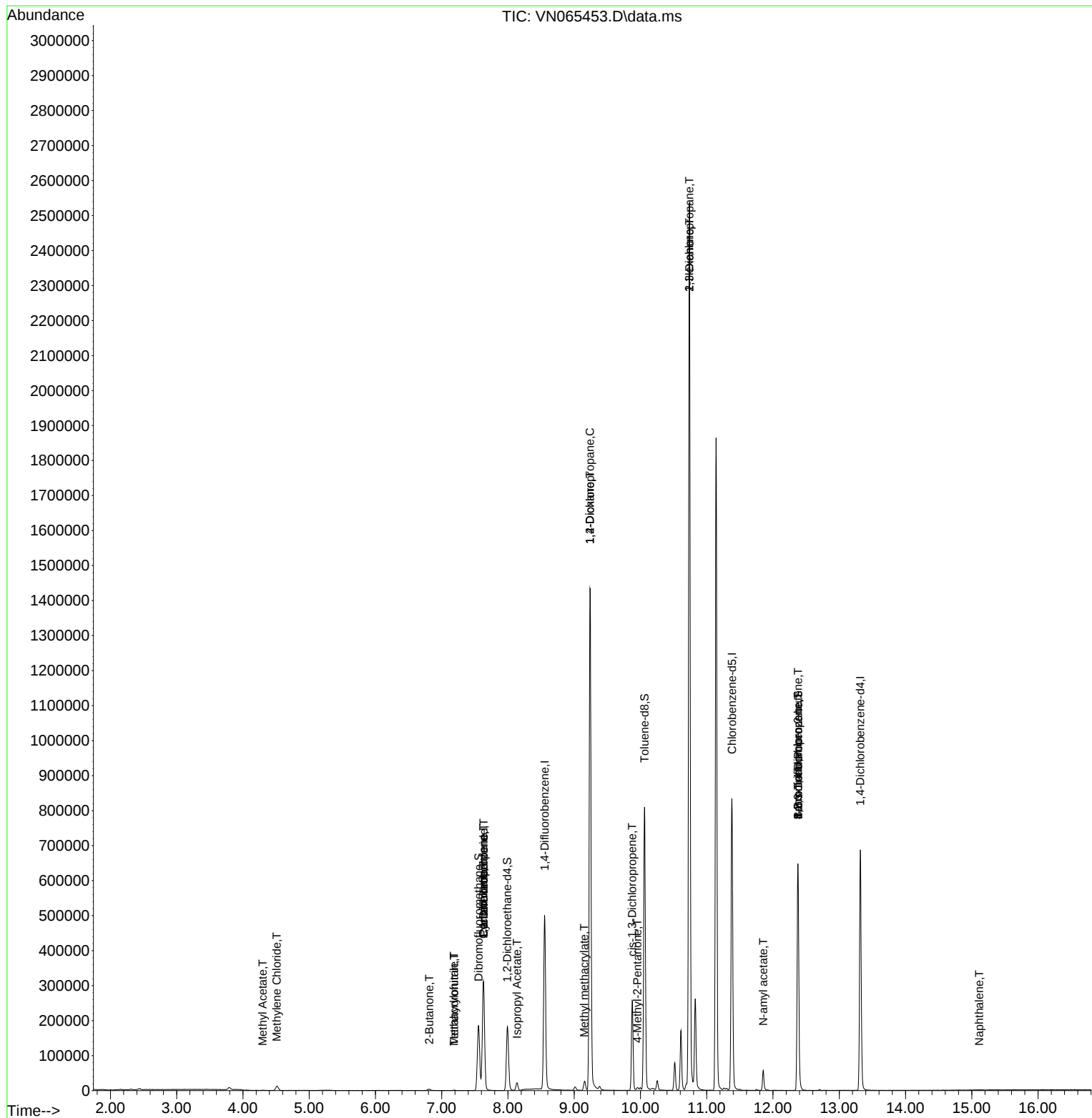
Internal Standards						
1) Pentafluorobenzene	7.631	168	282371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	473192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	515213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.319	152	209974	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	163712	51.36	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.72%			
35) Dibromofluoromethane	7.557	113	140963	49.38	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.76%			
50) Toluene-d8	10.061	98	585830	54.75	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.50%			
62) 4-Bromofluorobenzene	12.376	95	232612	54.46	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.92%			
Target Compounds					Qvalue	
16) Acetone	3.795	43	9704	Below Cal		99
18) Methyl Acetate	4.296	43	758	0.26 ug/l #		84
20) Methylene Chloride	4.512	84	9782	3.15 ug/l		95
25) 2-Butanone	6.811	43	1769	0.99 ug/l		98
29) Tetrahydrofuran	7.187	42	1061	0.92 ug/l #		69
31) Cyclohexane	7.627	56	4744	1.01 ug/l #		1
36) 1,1-Dichloropropene	7.627	75	17634	4.10 ug/l #		50
38) Carbon Tetrachloride	7.631	117	23858	5.28 ug/l #		16
41) Methacrylonitrile	7.187	41	632	0.28 ug/l #		19
43) Isopropyl Acetate	8.135	43	25759	3.50 ug/l		98
45) 1,2-Dichloropropane	9.238	63	1901	0.57 ug/l #		43
48) Methyl methacrylate	9.151	41	6455	1.81 ug/l #		12
49) 1,4-Dioxane	9.238	88	60	1.04 ug/l #		1
51) 4-Methyl-2-Pentanone	9.952	43	5442	1.32 ug/l		92
54) cis-1,3-Dichloropropene	9.875	75	49272	8.64 ug/l #		60
57) 1,3-Dichloropropane	10.737	76	27559	5.23 ug/l #		42
59) 2-Hexanone	10.737	43	372553	122.63 ug/l #		49
71) Bromoform	12.376	173	1354	0.39 ug/l #		1
74) N-amyl acetate	11.852	43	17180	2.70 ug/l #		51
76) 1,2,3-Trichloropropane	12.376	75	112539	26.27 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.376	75	112539	66.24 ug/l #		15
95) Naphthalene	15.113	128	825	3.44 ug/l #		69

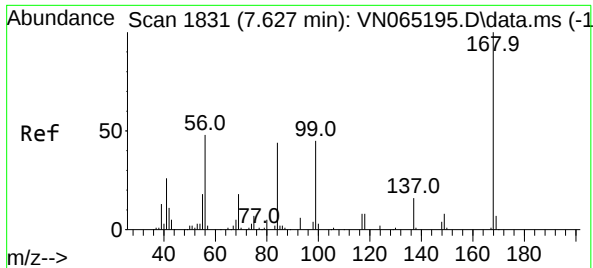
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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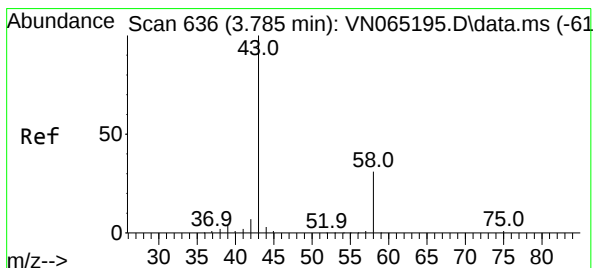
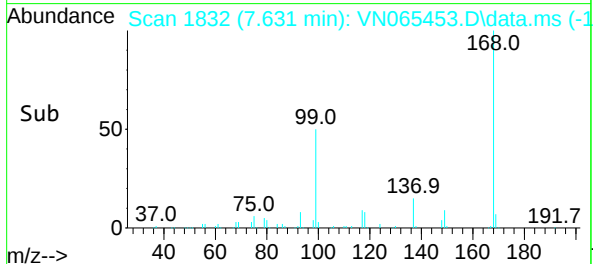
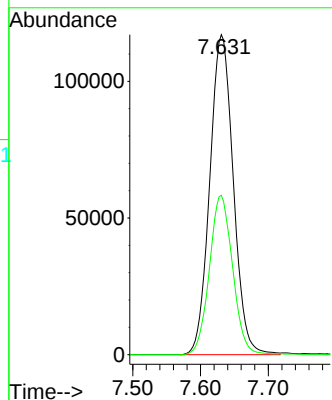
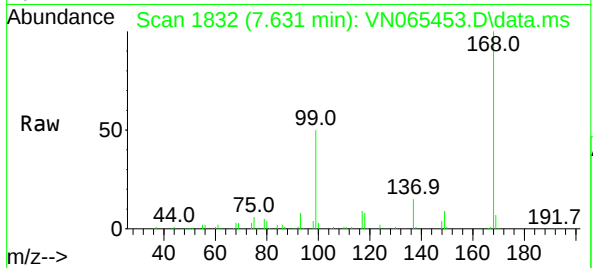




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

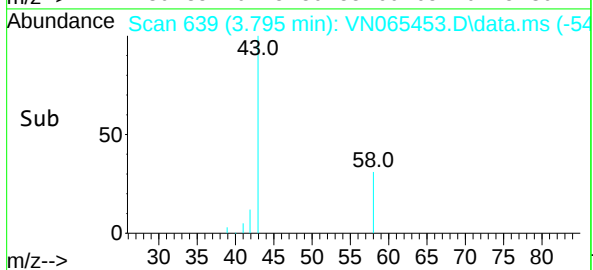
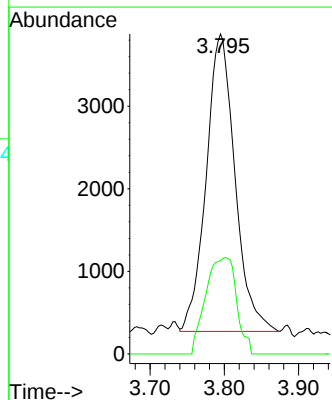
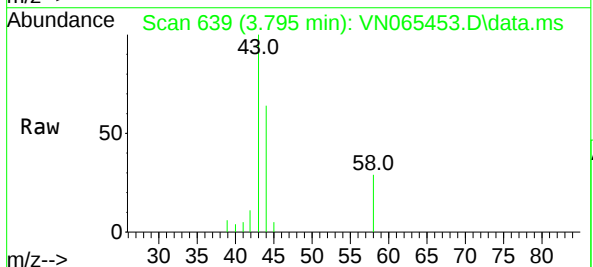
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

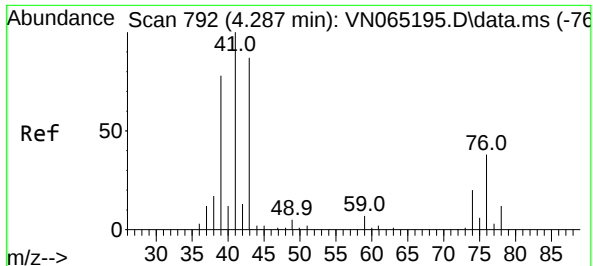
Tgt Ion:168 Resp: 282371
Ion Ratio Lower Upper
168 100
99 49.8 43.0 64.4



#16
Acetone
Concen: Below Cal
RT: 3.795 min Scan# 639
Delta R.T. 0.010 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

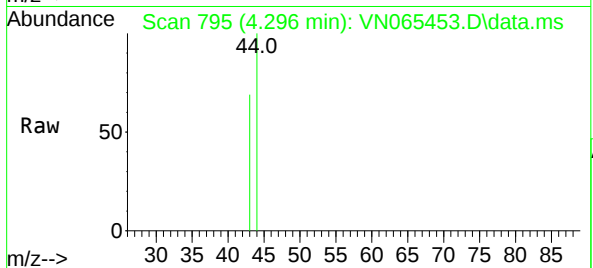
Tgt Ion: 43 Resp: 9704
Ion Ratio Lower Upper
43 100
58 31.4 25.7 38.5



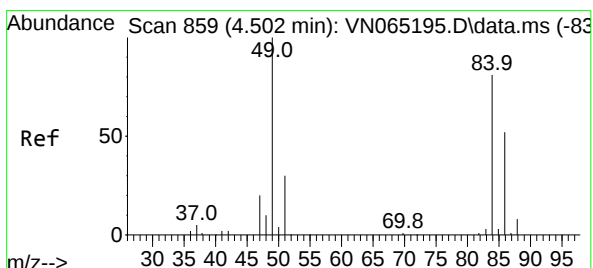
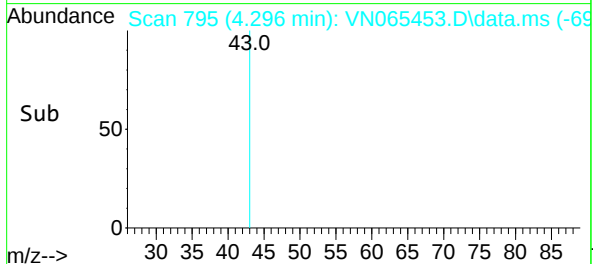
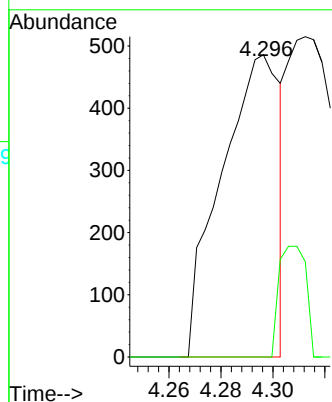


#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.009 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

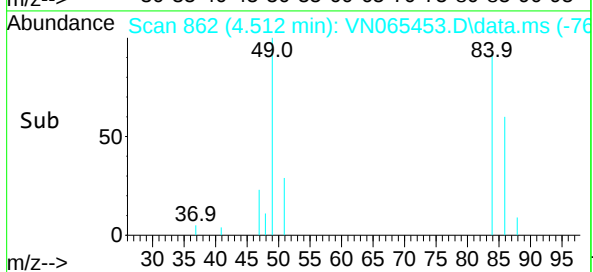
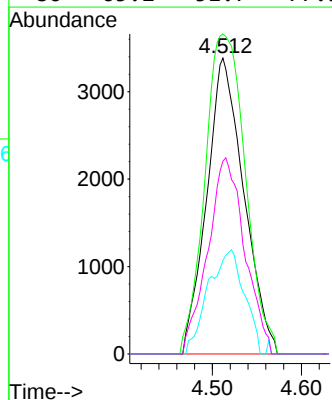
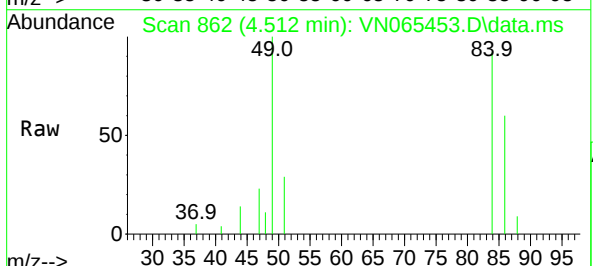


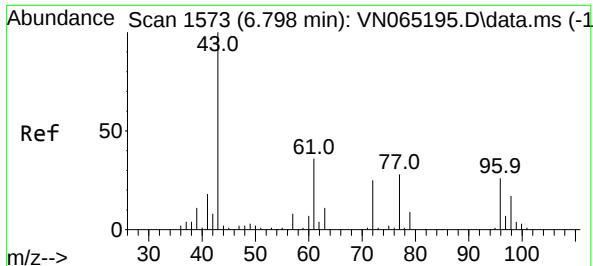
Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
74 17.0 20.2 30.2#



#20
Methylene Chloride
Concen: 3.15 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Tgt Ion: 84 Resp: 9782
Ion Ratio Lower Upper
84 100
49 108.2 93.4 140.0
51 31.6 28.2 42.4
86 65.2 51.7 77.5





#25

2-Butanone

Concen: 0.99 ug/l

RT: 6.811 min Scan# 1577

Delta R.T. 0.013 min

Lab File: VN065453.D

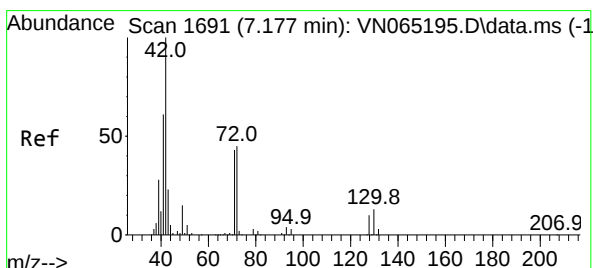
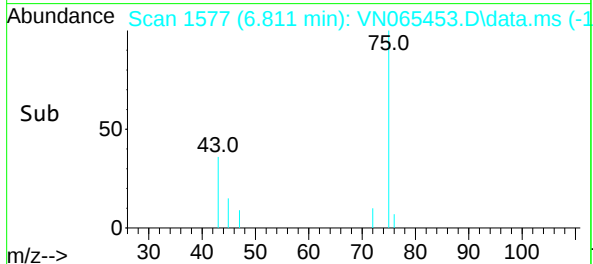
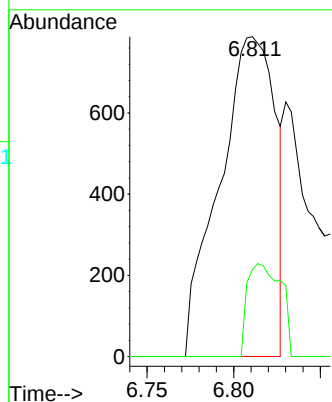
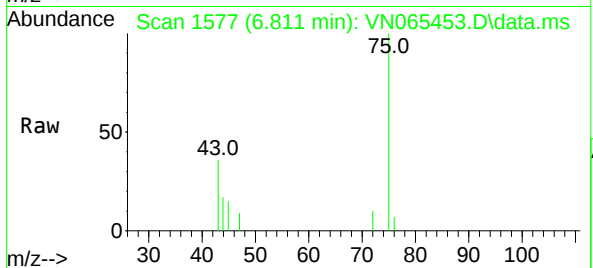
Acq: 8 Jan 2021 19:07

Tgt Ion: 43 Resp: 1769

Ion Ratio Lower Upper

43 100

72 27.2 21.0 31.6



#29

Tetrahydrofuran

Concen: 0.92 ug/l

RT: 7.187 min Scan# 1694

Delta R.T. 0.010 min

Lab File: VN065453.D

Acq: 8 Jan 2021 19:07

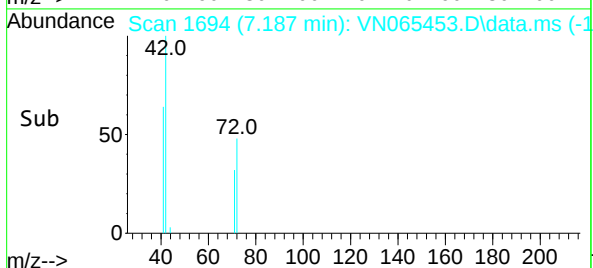
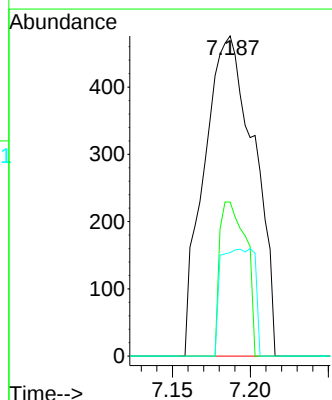
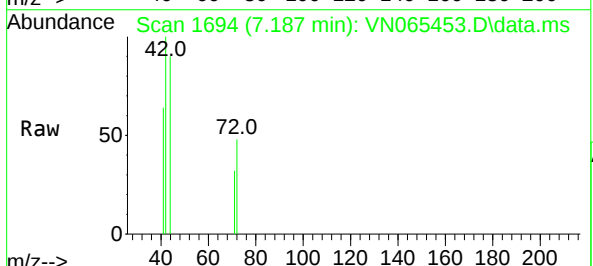
Tgt Ion: 42 Resp: 1061

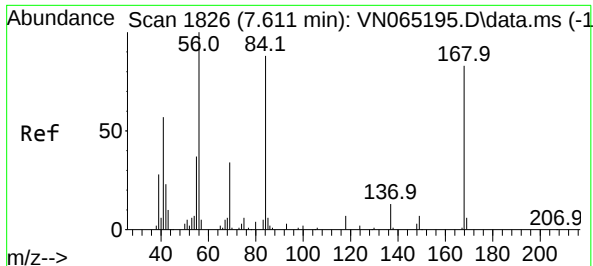
Ion Ratio Lower Upper

42 100

72 25.2 36.6 54.8#

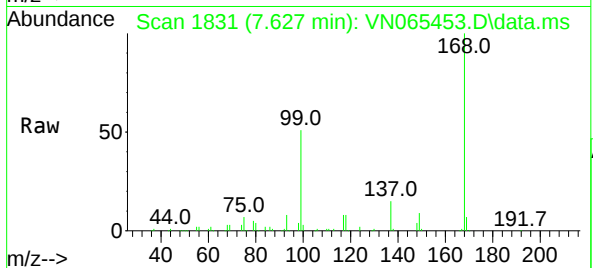
71 22.5 33.6 50.4#



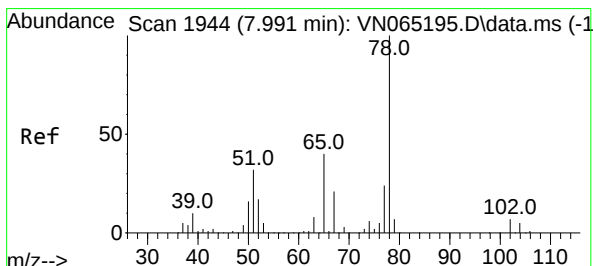
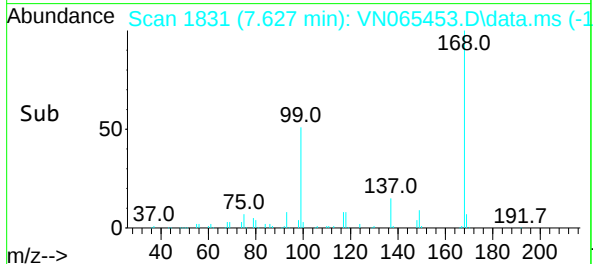
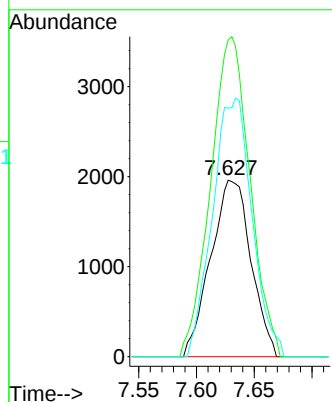


#31
Cyclohexane
Concen: 1.01 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Instrument :
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ClientSampleId :
PB133969ZHE#05

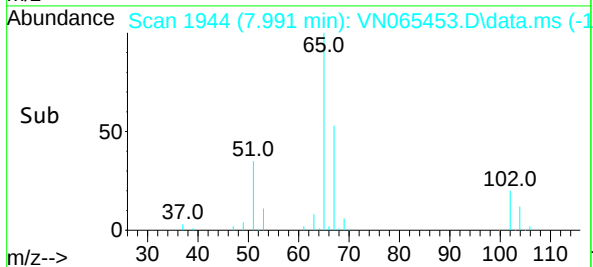
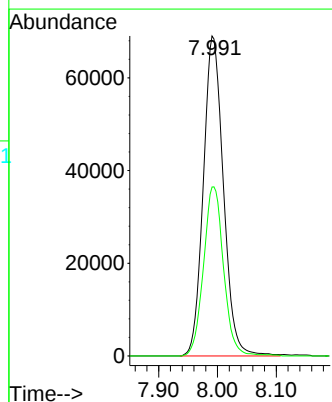
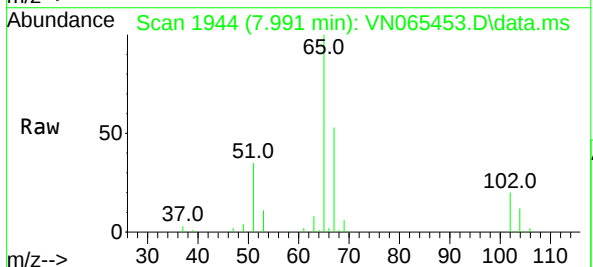


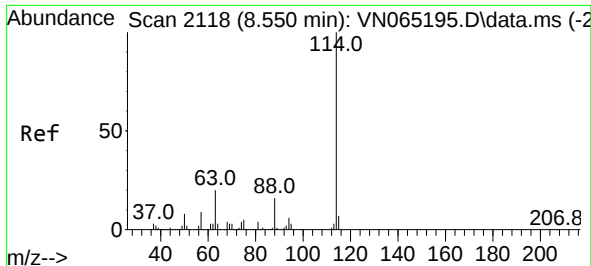
Tgt Ion: 56 Resp: 4744
Ion Ratio Lower Upper
56 100
69 179.6 27.5 41.3#
84 140.8 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 51.36 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Tgt Ion: 65 Resp: 163712
Ion Ratio Lower Upper
65 100
67 52.7 0.0 108.2

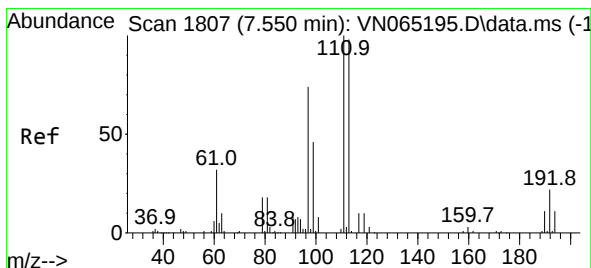
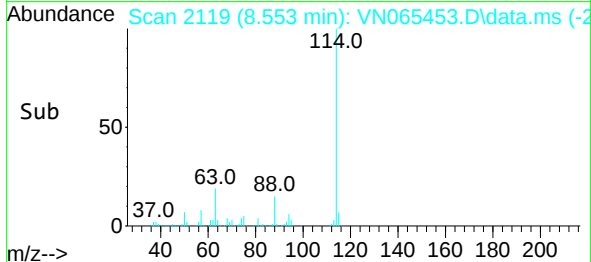
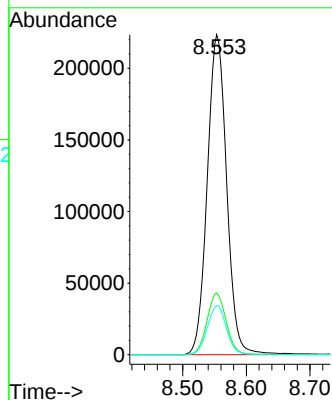
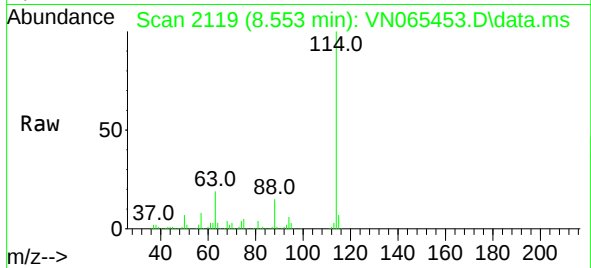




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

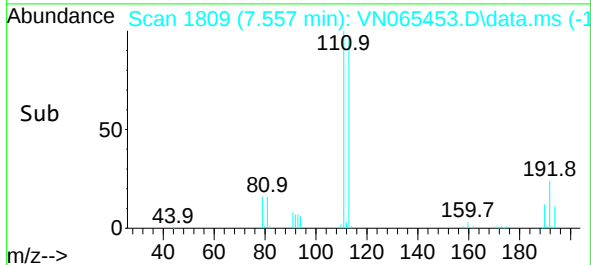
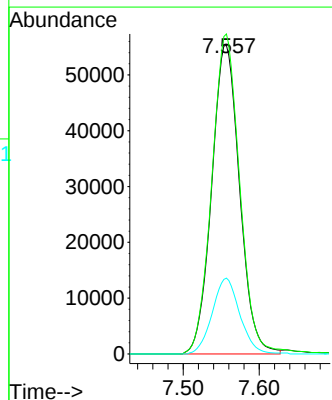
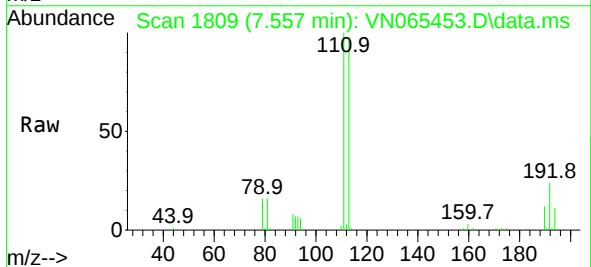
Instrument :
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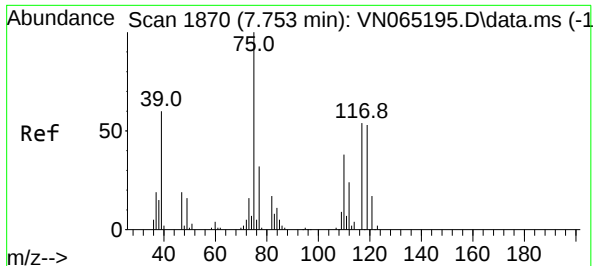
Tgt Ion:114 Resp: 473192
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.6
88 15.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.38 ug/l
RT: 7.557 min Scan# 1809
Delta R.T. 0.007 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Tgt Ion:113 Resp: 140963
Ion Ratio Lower Upper
113 100
111 104.0 81.6 122.4
192 24.3 16.2 24.2#

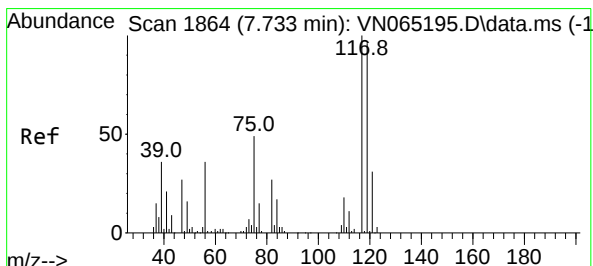
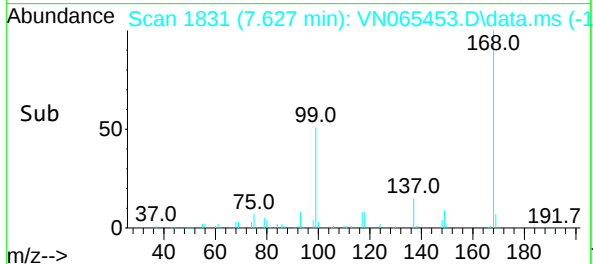
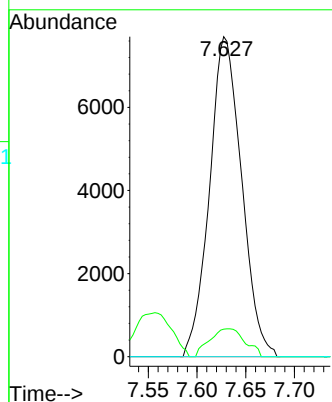
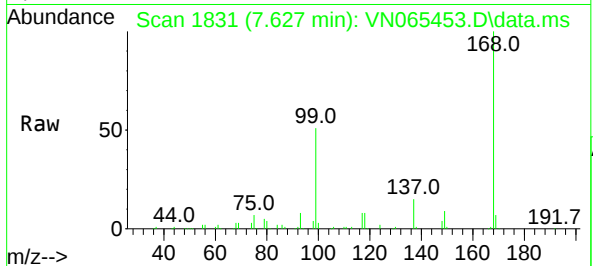




#36
1,1-Dichloropropene
Concen: 4.10 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

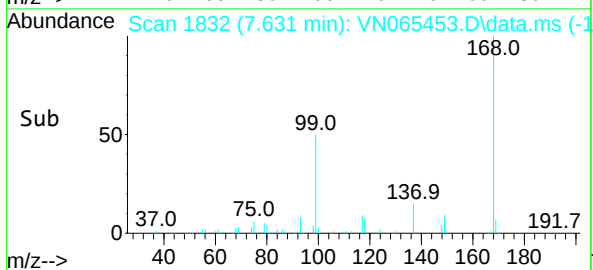
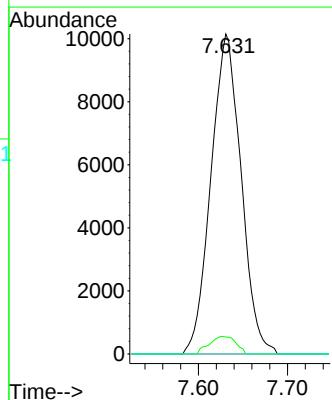
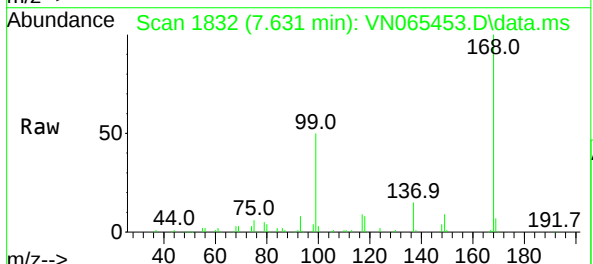
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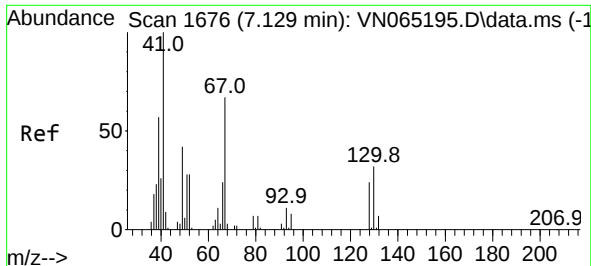
Tgt Ion: 75 Resp: 17634
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.28 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.102 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

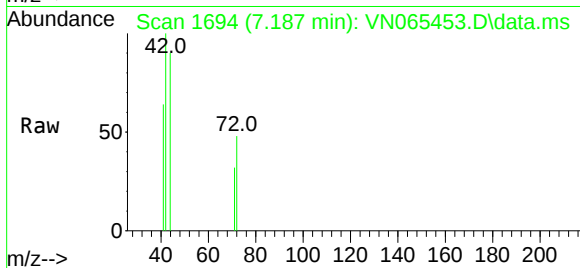
Tgt Ion: 117 Resp: 23858
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 25.4 38.2#



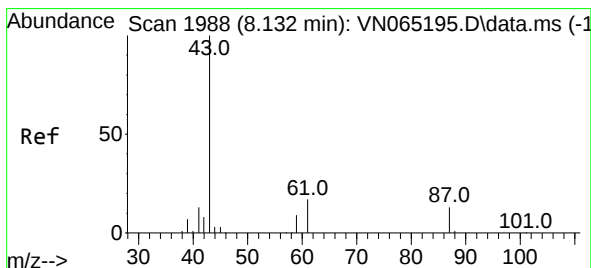
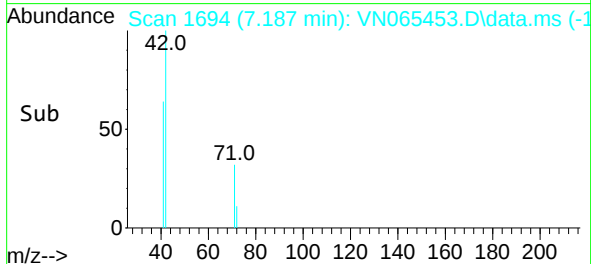
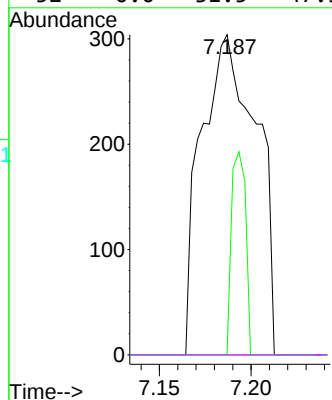


#41
Methacrylonitrile
Concen: 0.28 ug/l
RT: 7.187 min Scan# 1694
Delta R.T. 0.058 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

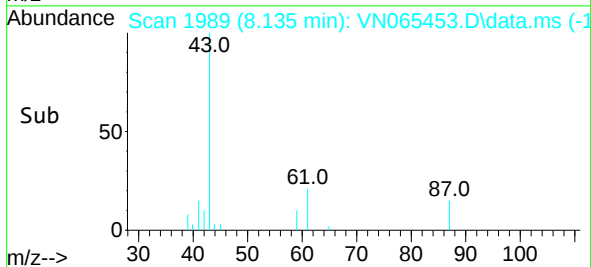
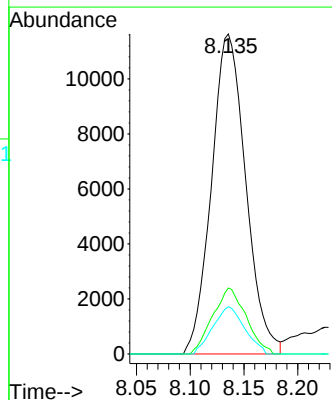
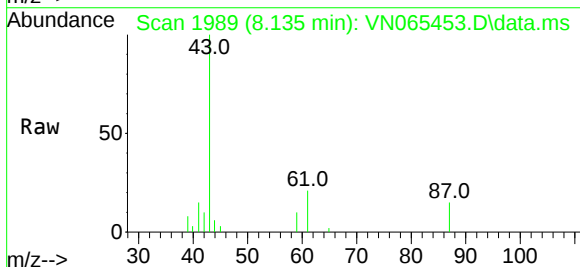


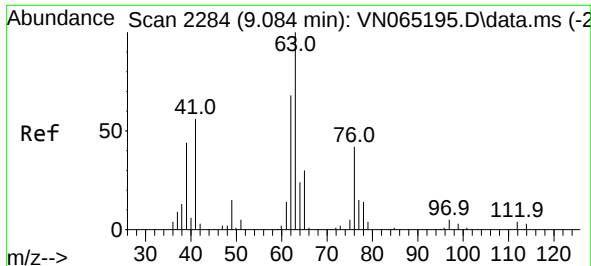
Tgt Ion:	41	Resp:	632
Ion	Ratio	Lower	Upper
41	100		
39	16.3	51.0	76.6#
67	0.0	79.8	119.8#
52	0.0	31.5	47.3#



#43
Isopropyl Acetate
Concen: 3.50 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Tgt Ion:	43	Resp:	25759
Ion	Ratio	Lower	Upper
43	100		
61	20.1	17.2	25.8
87	13.6	11.4	17.0

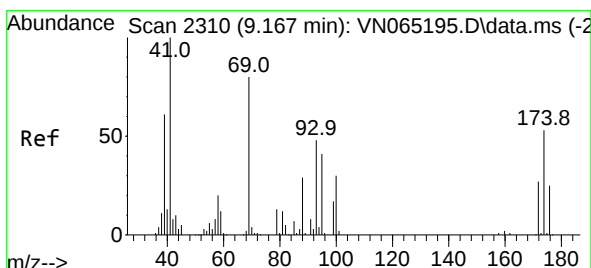
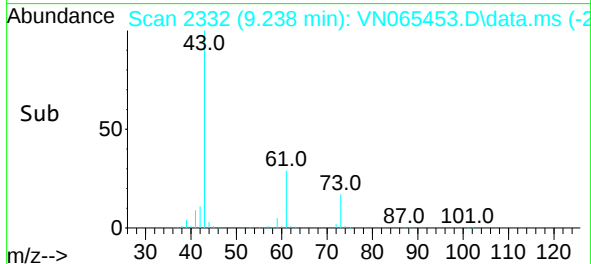
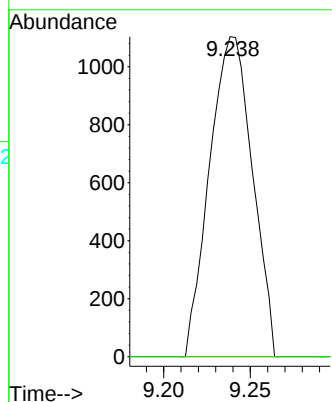
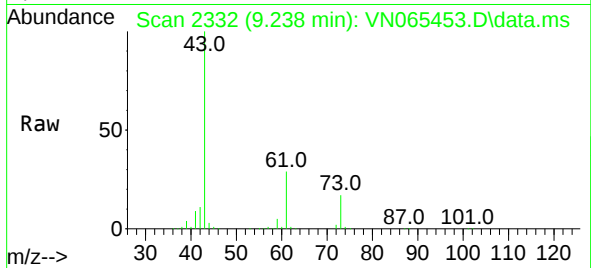




#45
1,2-Dichloropropane
Concen: 0.57 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

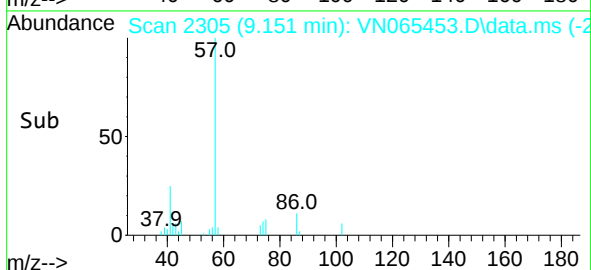
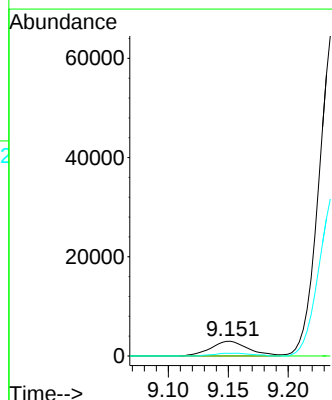
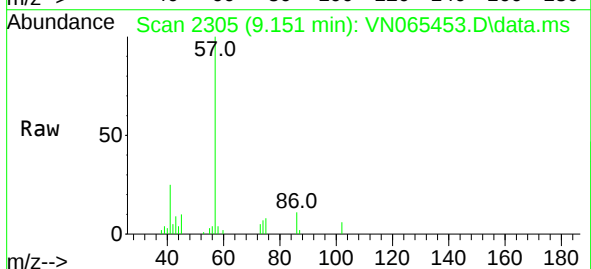
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

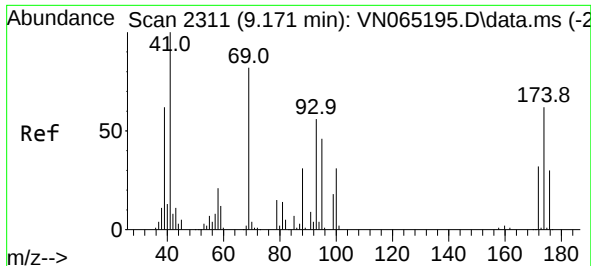
Tgt Ion: 63 Resp: 1901
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.81 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Tgt Ion: 41 Resp: 6455
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

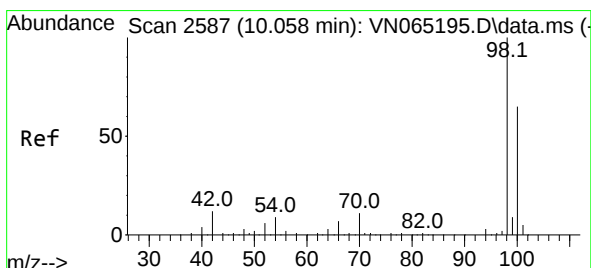
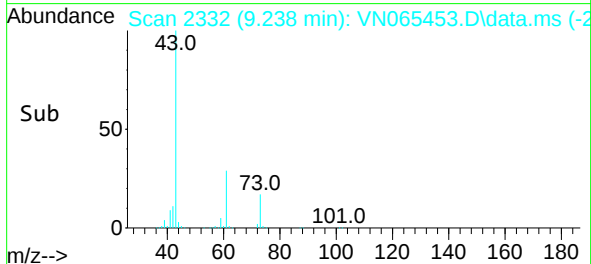
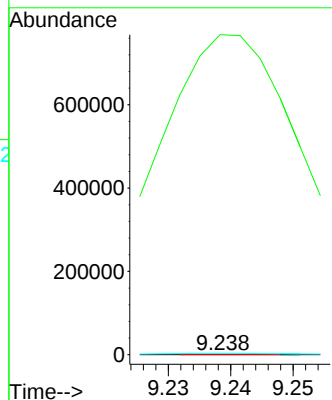
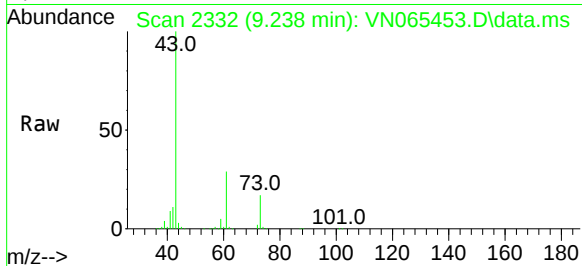




#49
1,4-Dioxane
Concen: 1.04 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.067 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

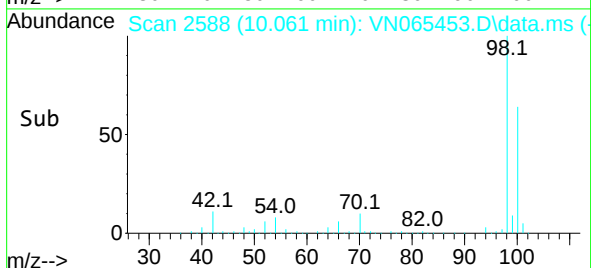
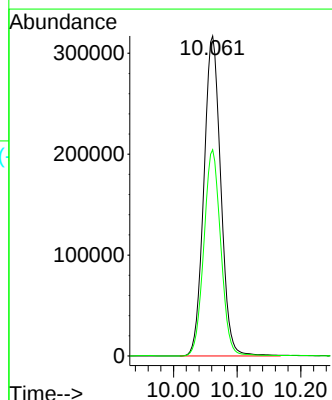
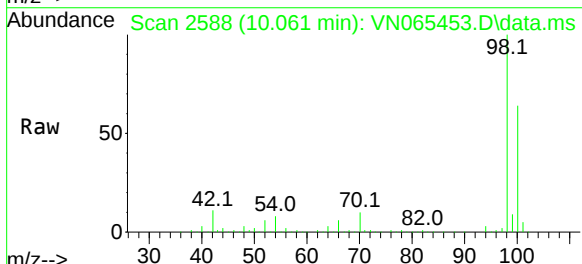
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

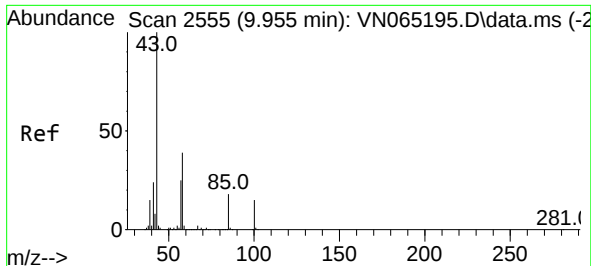
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 2416973.3 24.2 36.4#
58 9811.7 52.5 78.7#



#50
Toluene-d8
Concen: 54.75 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Tgt Ion: 98 Resp: 585830
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

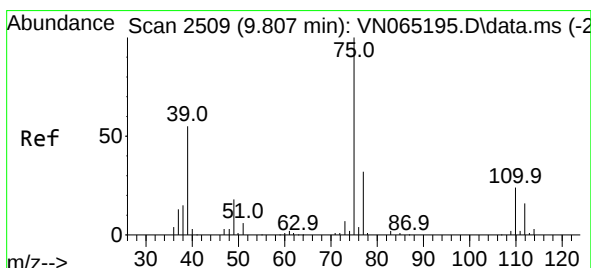
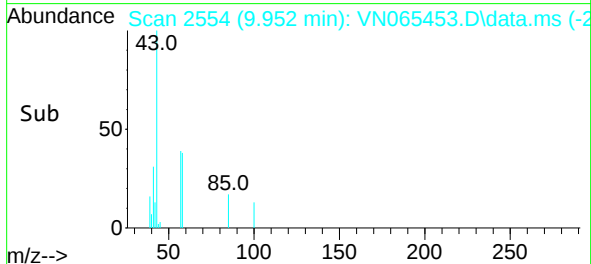
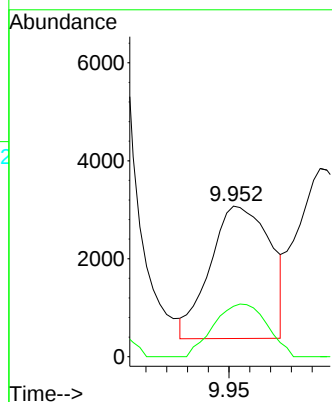
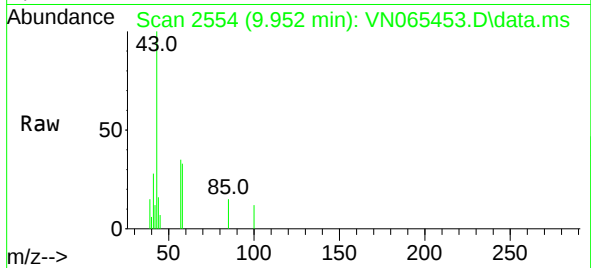




#51
4-Methyl-2-Pentanone
Concen: 1.32 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.003 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

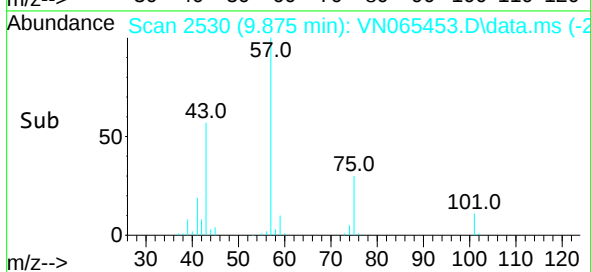
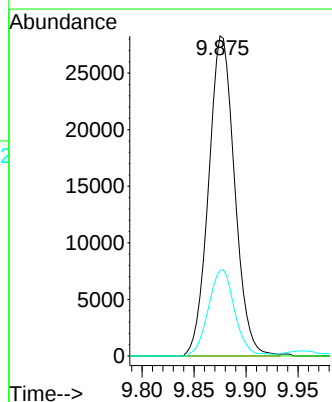
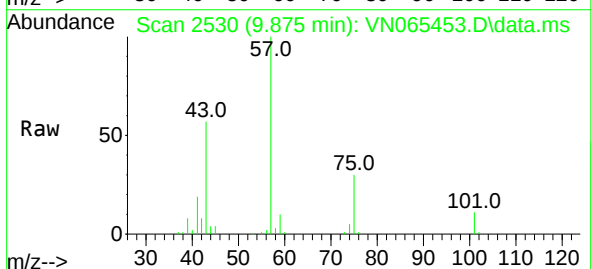
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

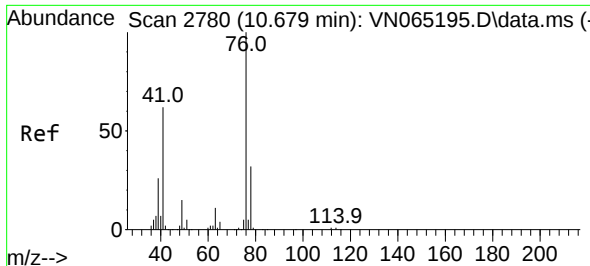
Tgt Ion: 43 Resp: 5442
Ion Ratio Lower Upper
43 100
58 35.3 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 8.64 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Tgt Ion: 75 Resp: 49272
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 26.7 35.6 53.4#

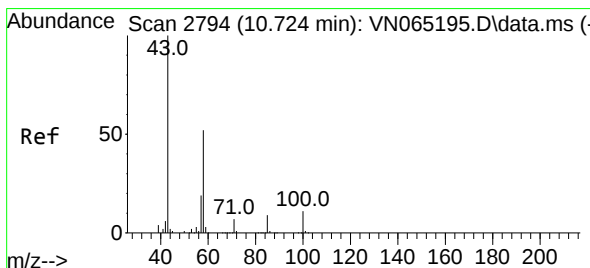
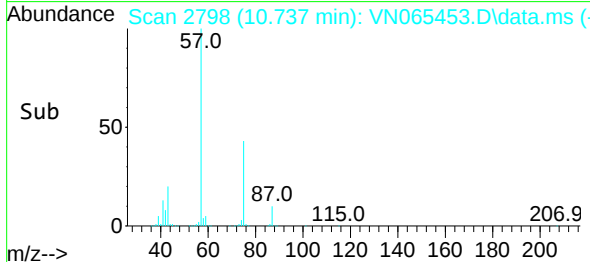
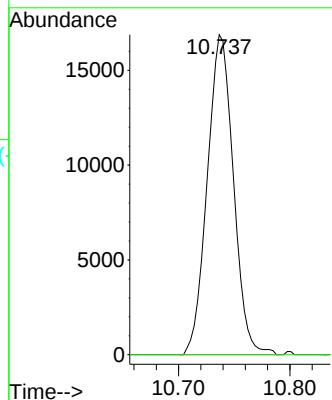
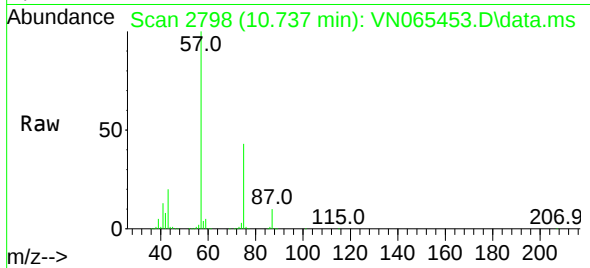




#57
1,3-Dichloropropane
Concen: 5.23 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.058 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

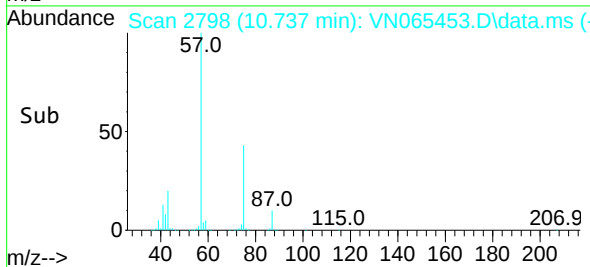
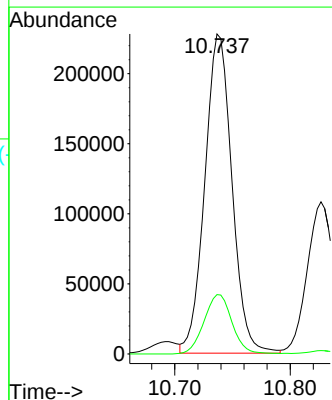
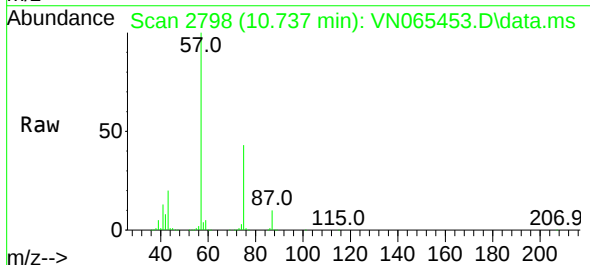
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

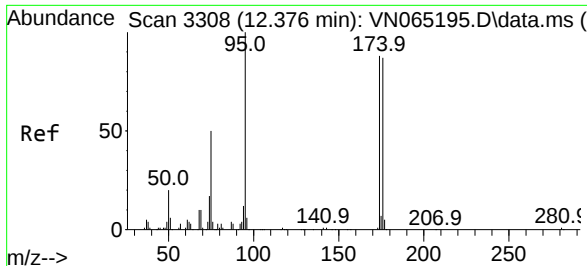
Tgt Ion: 76 Resp: 27559
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 122.63 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Tgt Ion: 43 Resp: 372553
Ion Ratio Lower Upper
43 100
58 19.2 28.3 84.9#

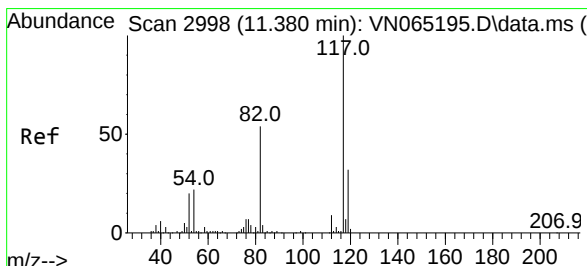
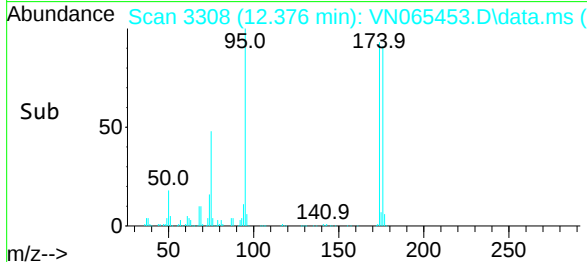
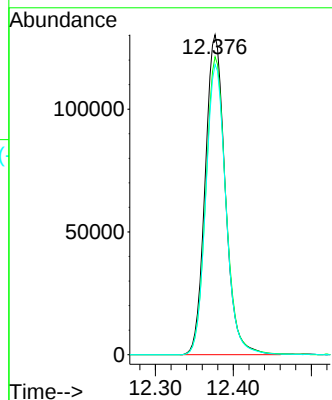
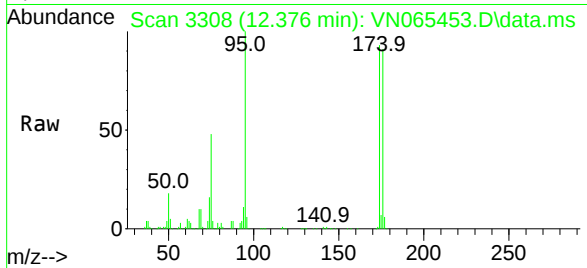




#62
4-Bromofluorobenzene
Concen: 54.46 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

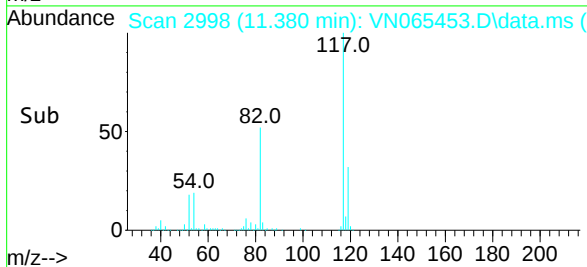
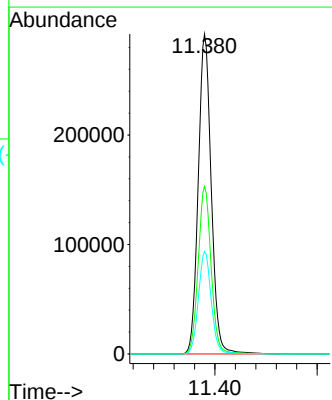
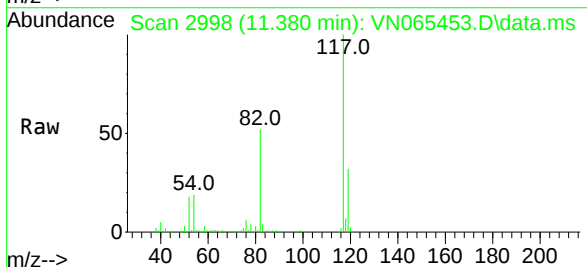
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

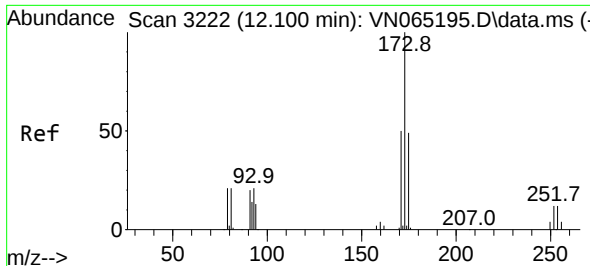
Tgt Ion: 95 Resp: 232612
Ion Ratio Lower Upper
95 100
174 93.5 0.0 160.4
176 90.9 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Tgt Ion: 117 Resp: 515213
Ion Ratio Lower Upper
117 100
82 52.4 44.2 66.2
119 32.0 25.8 38.6

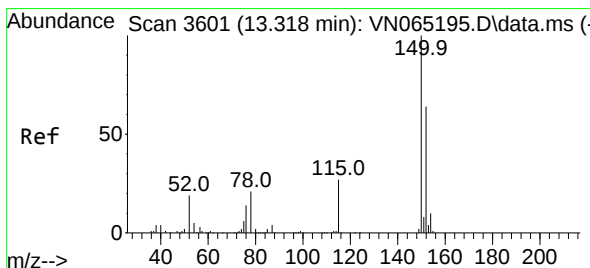
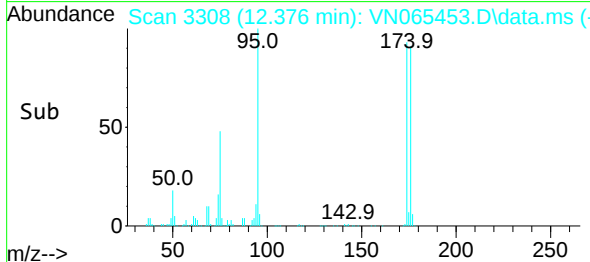
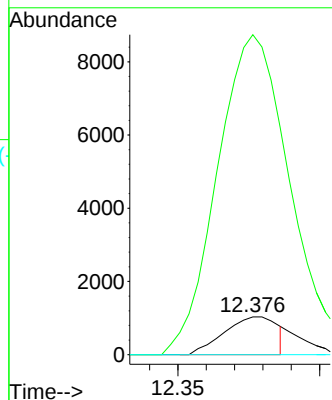
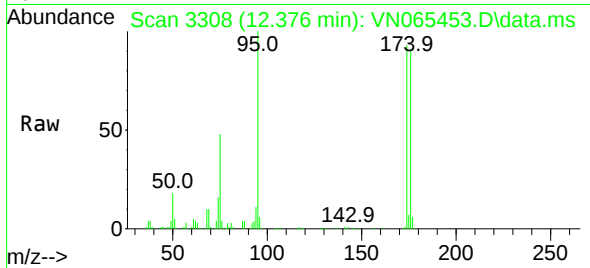




#71
Bromoform
Concen: 0.39 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

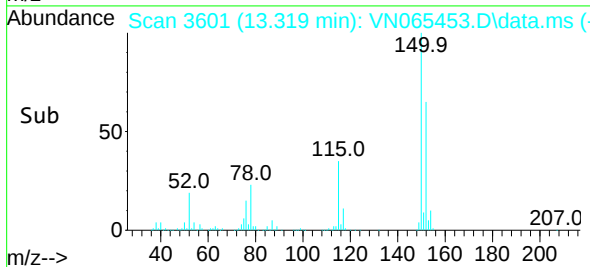
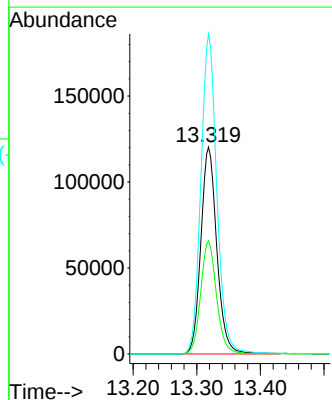
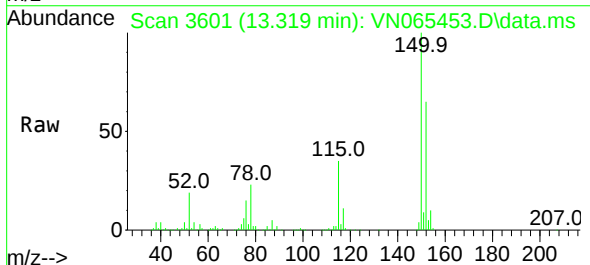
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

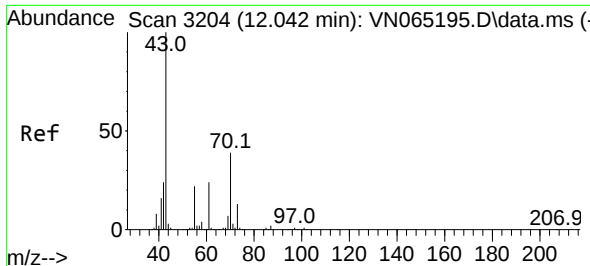
Tgt Ion:173 Resp: 1354
Ion Ratio Lower Upper
173 100
175 931.3 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.319 min Scan# 3601
Delta R.T. 0.001 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

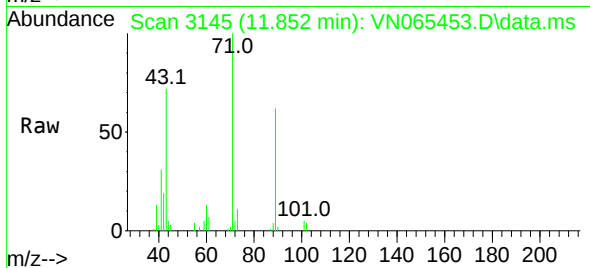
Tgt Ion:152 Resp: 209974
Ion Ratio Lower Upper
152 100
115 54.1 29.7 89.1
150 154.2 0.0 350.6



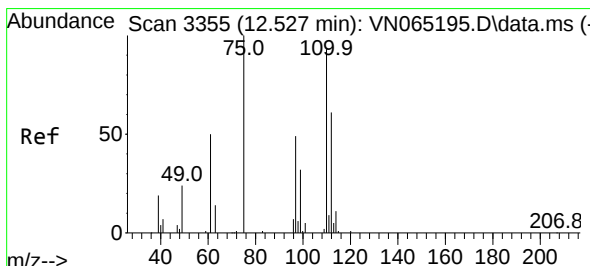
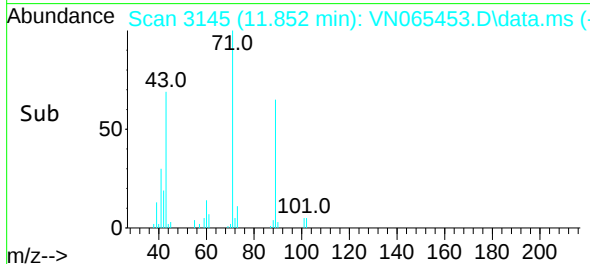
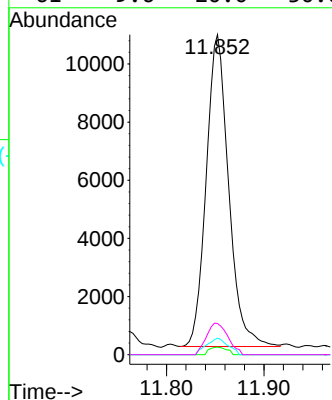


#74
N-amy1 acetate
Concen: 2.70 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.190 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05

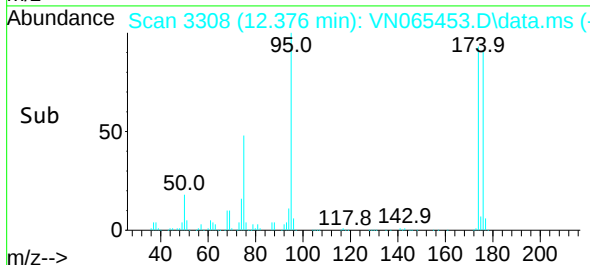
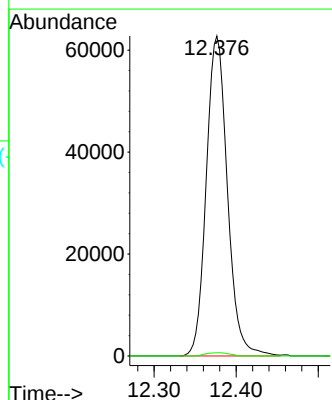
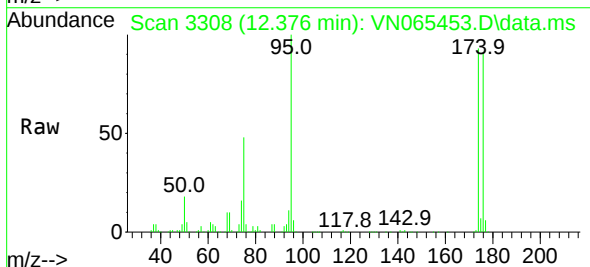


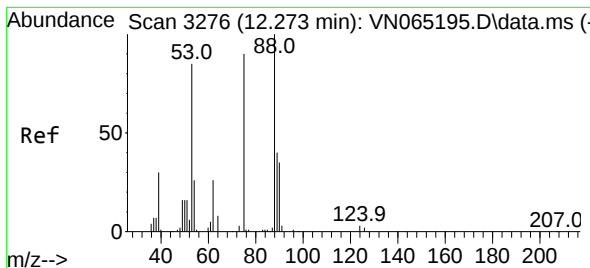
Tgt Ion: 43 Resp: 17180
Ion Ratio Lower Upper
43 100
70 1.9 34.5 51.7#
55 5.0 20.4 30.6#
61 9.6 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 26.27 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

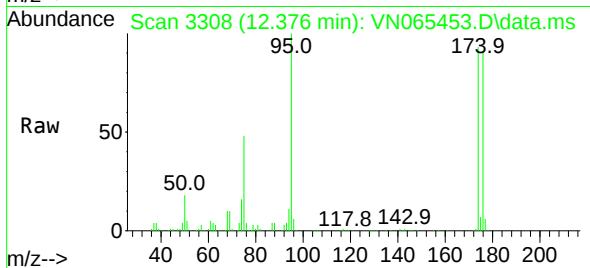
Tgt Ion: 75 Resp: 112539
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



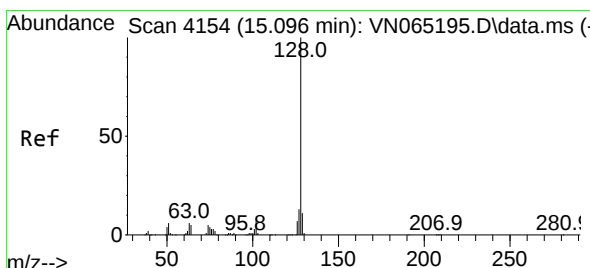
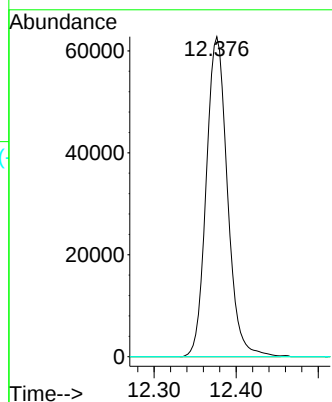
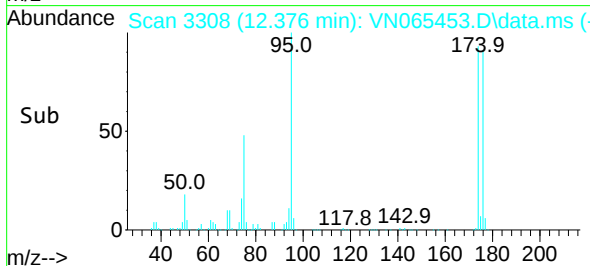


#81
trans-1,4-Dichloro-2-butene
Concen: 66.24 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07

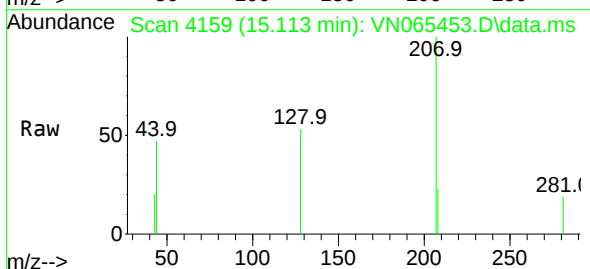
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#05



Tgt Ion: 75 Resp: 112539
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#95
Naphthalene
Concen: 3.44 ug/l
RT: 15.113 min Scan# 4159
Delta R.T. 0.017 min
Lab File: VN065453.D
Acq: 8 Jan 2021 19:07



Tgt Ion: 128 Resp: 825
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

