

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010821\
 Data File : VN065457.D
 Acq On : 8 Jan 2021 20:46
 Operator : JC/MD
 Sample : PB133969ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133969ZHE#09

Quant Time: Jan 08 22:52:07 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)

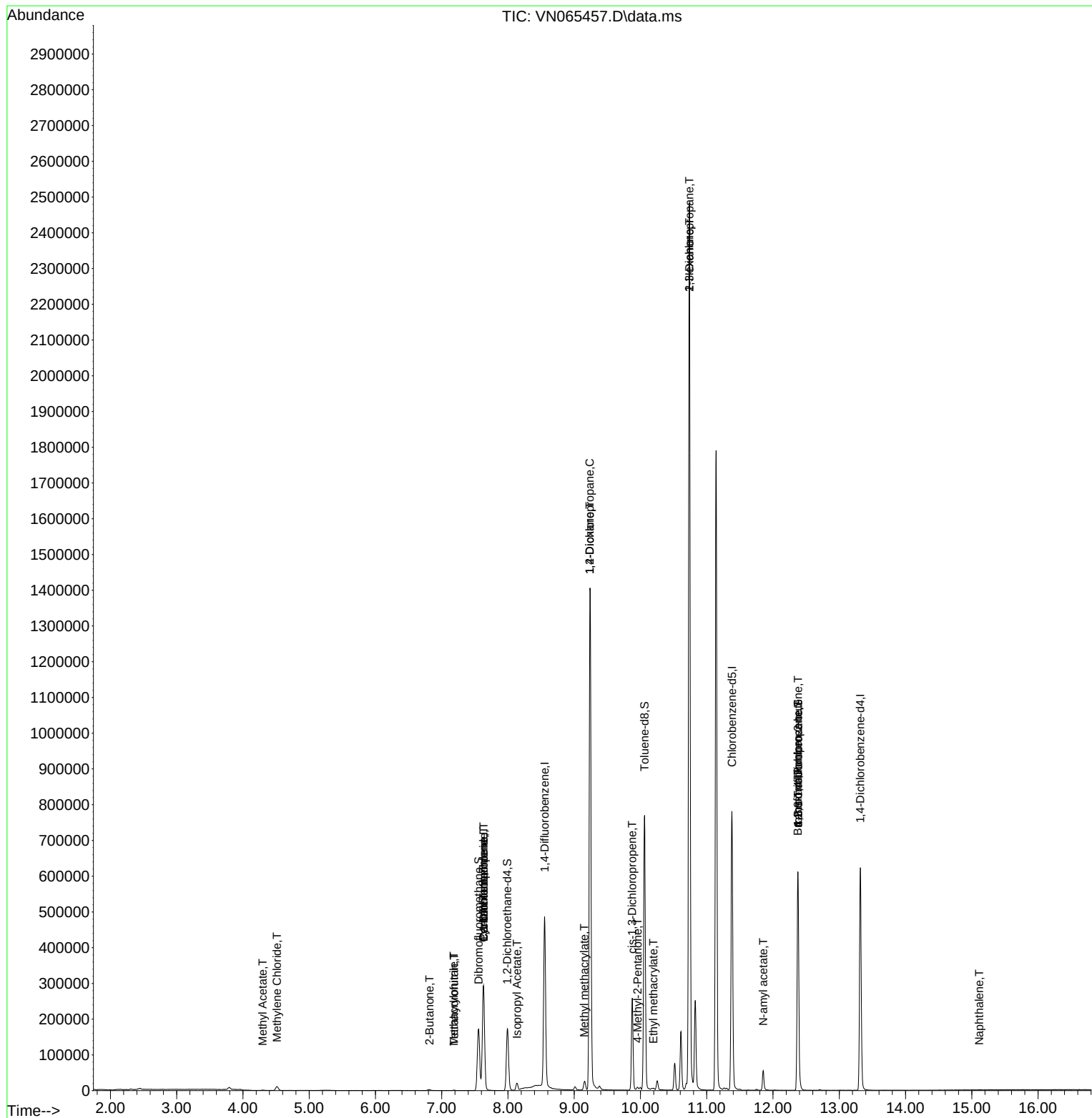
Internal Standards						
1) Pentafluorobenzene	7.630	168	267861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	451008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	485201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	192588	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	153281	50.69	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.38%			
35) Dibromofluoromethane	7.556	113	135811	49.91	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.82%			
50) Toluene-d8	10.061	98	559887	54.90	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.80%			
62) 4-Bromofluorobenzene	12.376	95	216914	53.40	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.80%			
Target Compounds					Qvalue	
16) Acetone	3.795	43	9167	Below Cal		93
18) Methyl Acetate	4.299	43	2333	0.86 ug/l #		69
20) Methylene Chloride	4.515	84	8855	3.00 ug/l		93
25) 2-Butanone	6.814	43	2545	1.50 ug/l		99
29) Tetrahydrofuran	7.187	42	1110	1.01 ug/l #		55
31) Cyclohexane	7.627	56	4143	0.93 ug/l #		1
36) 1,1-Dichloropropene	7.630	75	16908	4.12 ug/l #		48
38) Carbon Tetrachloride	7.630	117	21793	5.06 ug/l #		16
41) Methacrylonitrile	7.183	41	442	0.21 ug/l #		18
43) Isopropyl Acetate	8.135	43	25497	3.64 ug/l		97
45) 1,2-Dichloropropane	9.235	63	1729	0.55 ug/l #		43
48) Methyl methacrylate	9.151	41	6299	1.85 ug/l #		12
49) 1,4-Dioxane	9.235	88	59	1.07 ug/l #		1
51) 4-Methyl-2-Pentanone	9.955	43	5841	1.48 ug/l		96
54) cis-1,3-Dichloropropene	9.875	75	48075	8.84 ug/l #		61
56) Ethyl methacrylate	10.196	69	3189	0.68 ug/l #		76
57) 1,3-Dichloropropane	10.736	76	26974	5.37 ug/l #		42
59) 2-Hexanone	10.736	43	358711	123.88 ug/l #		49
71) Bromoform	12.373	173	1386	0.42 ug/l #		1
74) N-amyl acetate	11.852	43	16820	2.88 ug/l #		51
76) 1,2,3-Trichloropropane	12.376	75	106375	27.07 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.376	75	106375	68.27 ug/l #		15
95) Naphthalene	15.112	128	473	3.42 ug/l #		69

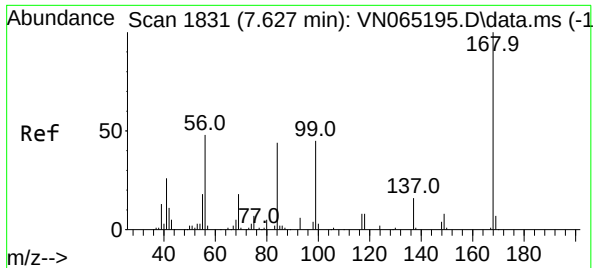
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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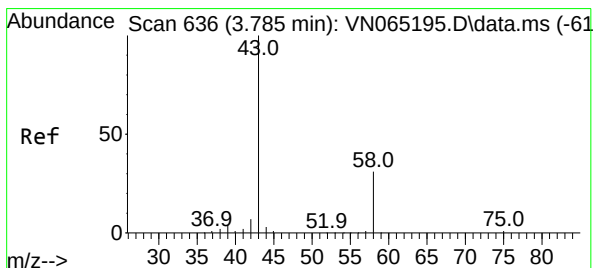
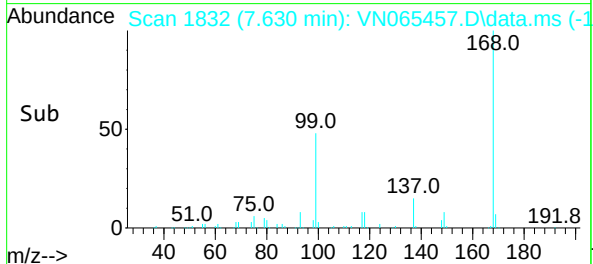
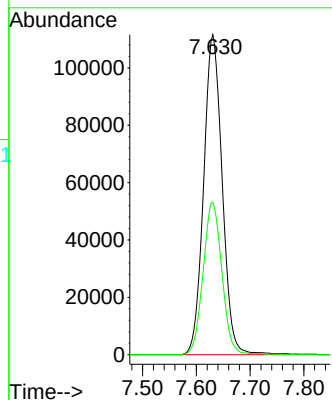
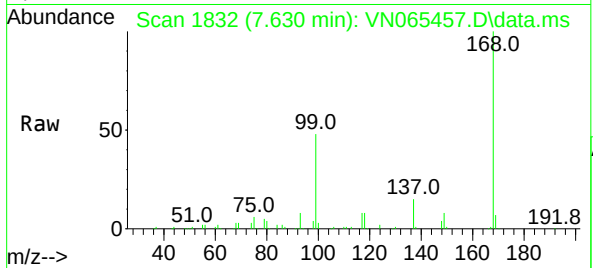




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

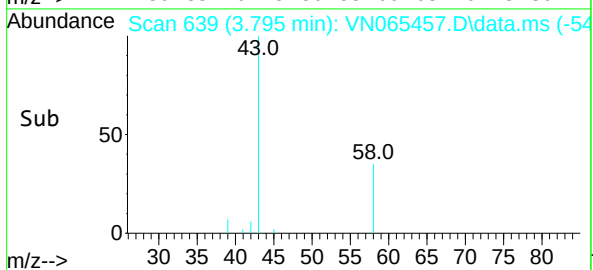
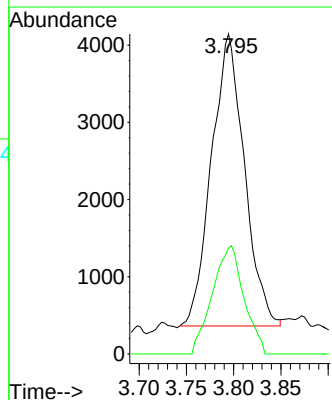
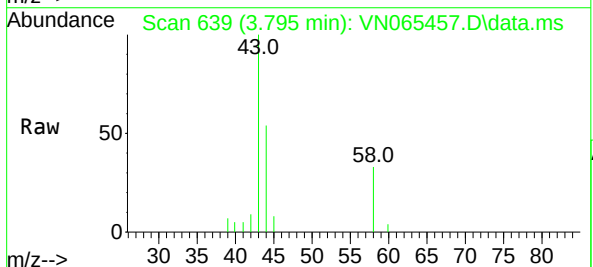
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

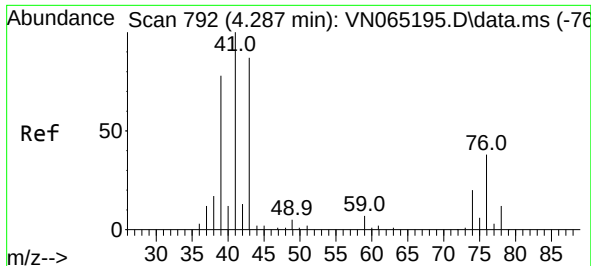
Tgt Ion:168 Resp: 267861
Ion Ratio Lower Upper
168 100
99 47.7 43.0 64.4



#16
Acetone
Concen: Below Cal
RT: 3.795 min Scan# 639
Delta R.T. 0.010 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

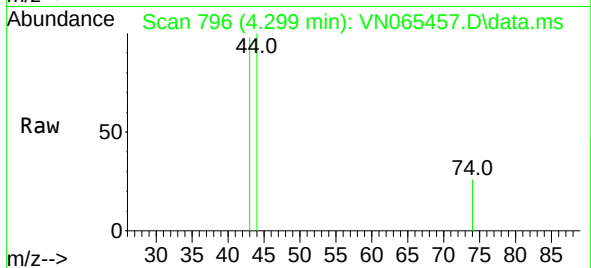
Tgt Ion: 43 Resp: 9167
Ion Ratio Lower Upper
43 100
58 36.3 25.7 38.5



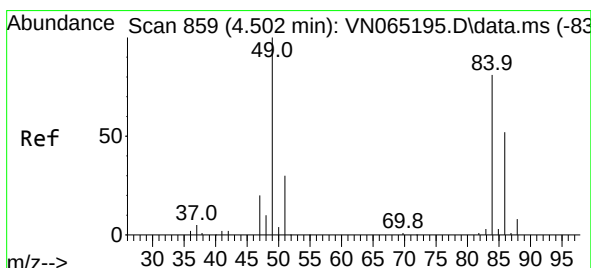
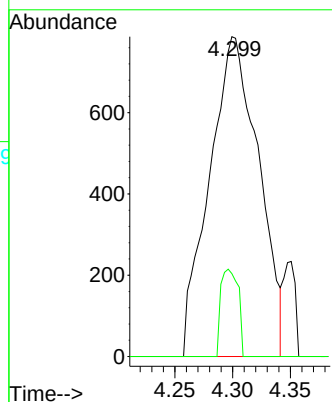
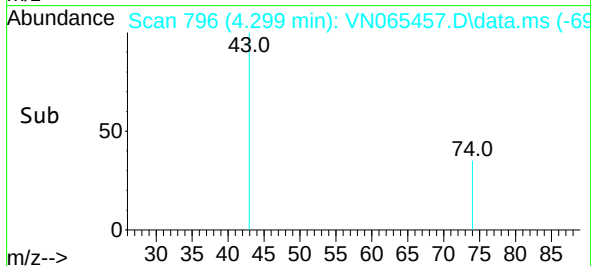


#18
Methyl Acetate
Concen: 0.86 ug/l
RT: 4.299 min Scan# 796
Delta R.T. 0.012 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

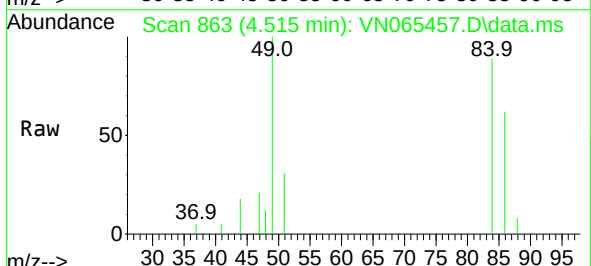
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09



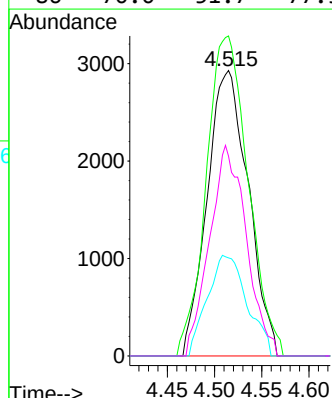
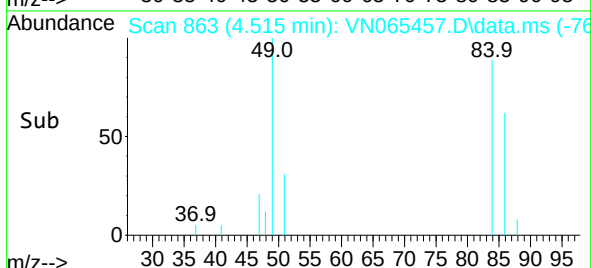
Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
74 9.6 20.2 30.2#

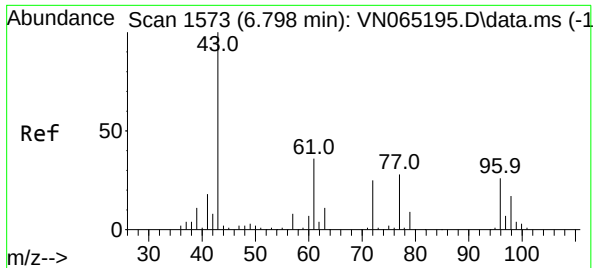


#20
Methylene Chloride
Concen: 3.00 ug/l
RT: 4.515 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46



Tgt Ion: 84 Resp: 8855
Ion Ratio Lower Upper
84 100
49 106.8 93.4 140.0
51 34.3 28.2 42.4
86 70.0 51.7 77.5

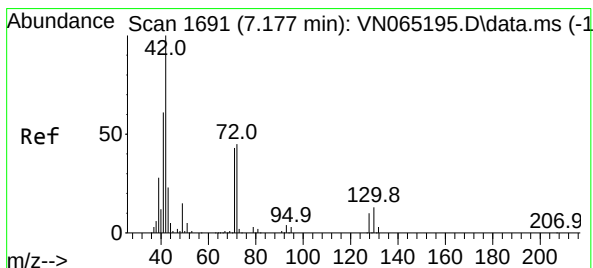
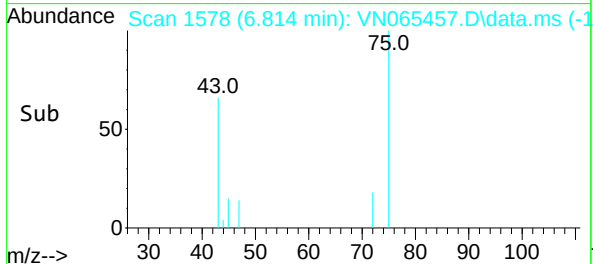
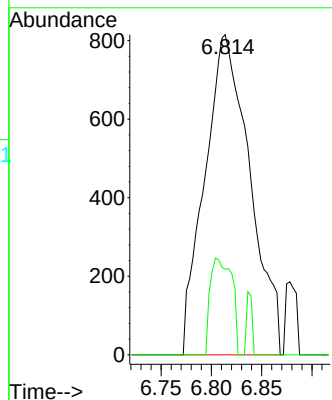
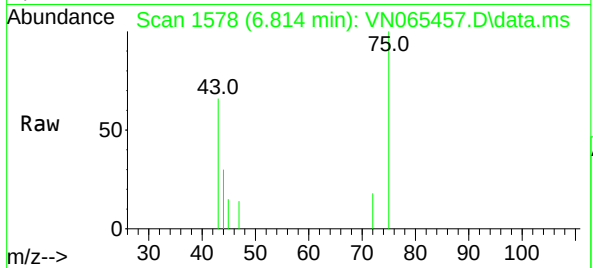




#25
2-Butanone
Concen: 1.50 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

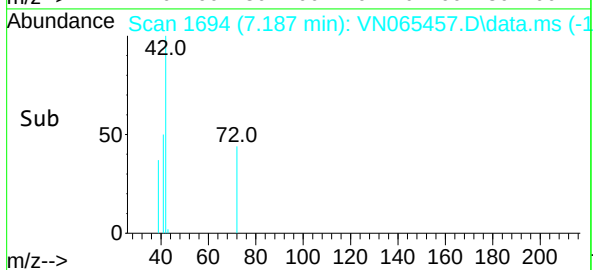
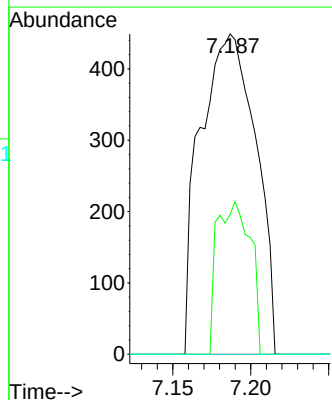
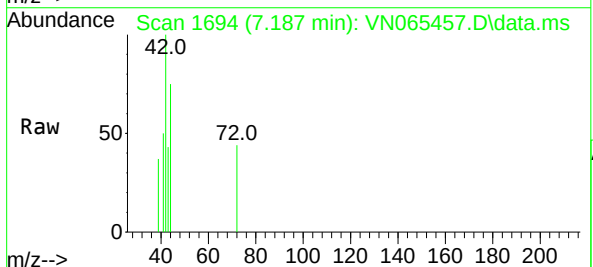
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

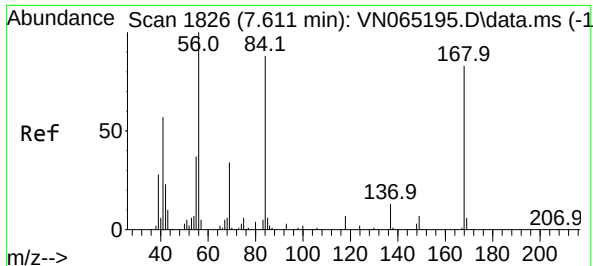
Tgt Ion: 43 Resp: 2545
Ion Ratio Lower Upper
43 100
72 26.7 21.0 31.6



#29
Tetrahydrofuran
Concen: 1.01 ug/l
RT: 7.187 min Scan# 1694
Delta R.T. 0.010 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

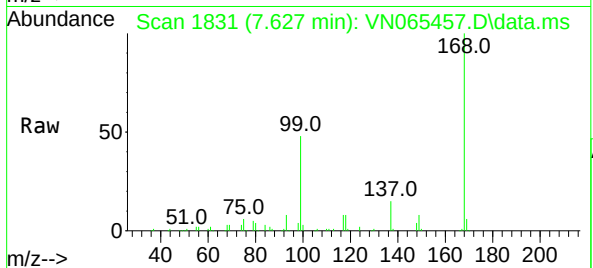
Tgt Ion: 42 Resp: 1110
Ion Ratio Lower Upper
42 100
72 28.7 36.6 54.8#
71 0.0 33.6 50.4#



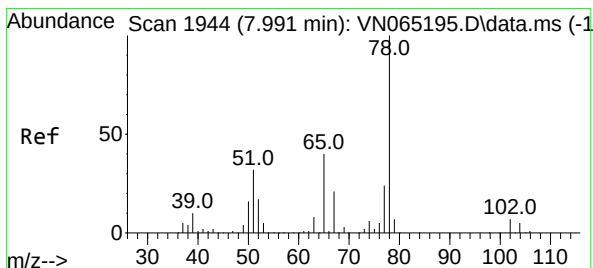
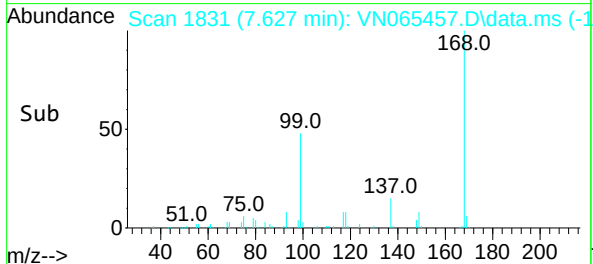
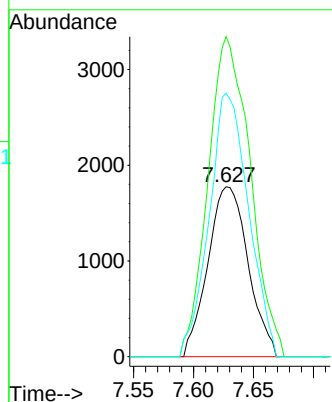


#31
Cyclohexane
Concen: 0.93 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

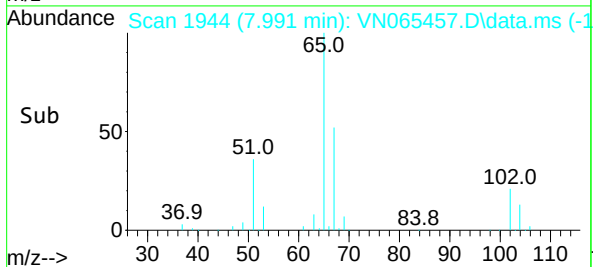
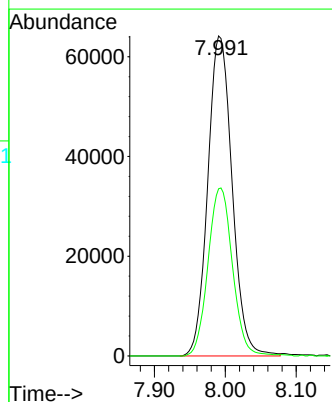
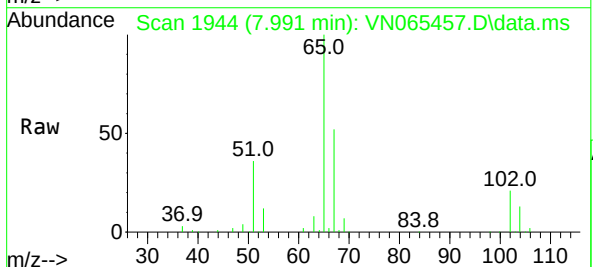


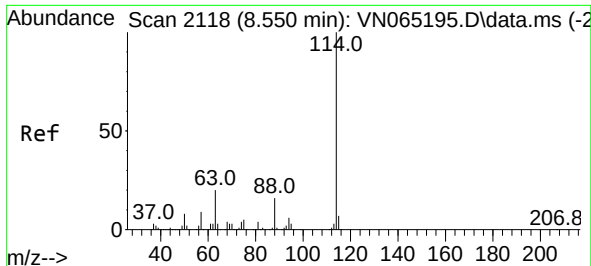
Tgt Ion: 56 Resp: 4143
Ion Ratio Lower Upper
56 100
69 188.2 27.5 41.3#
84 155.0 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 50.69 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Tgt Ion: 65 Resp: 153281
Ion Ratio Lower Upper
65 100
67 52.7 0.0 108.2

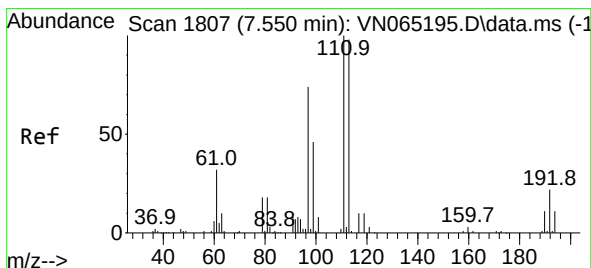
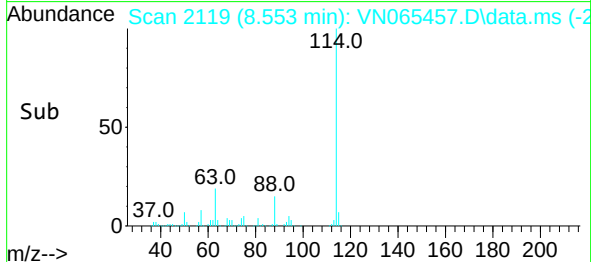
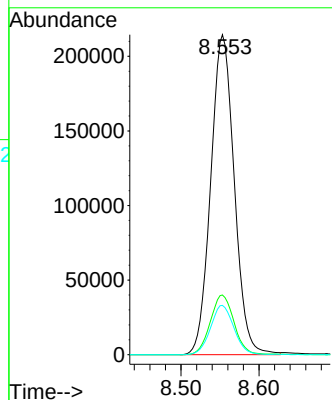
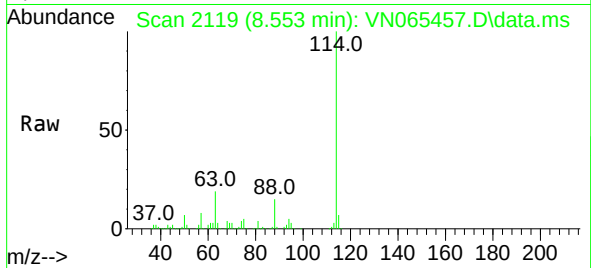




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

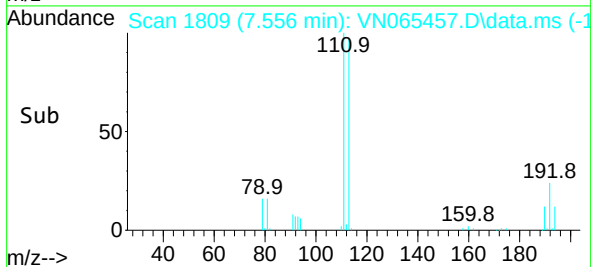
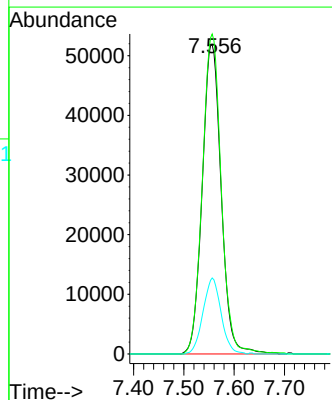
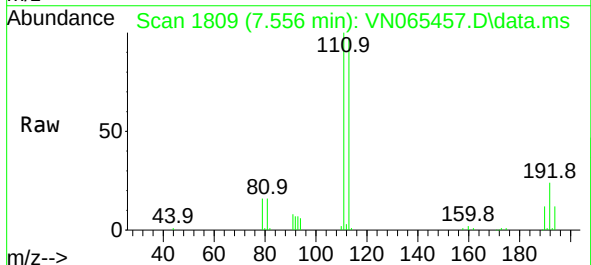
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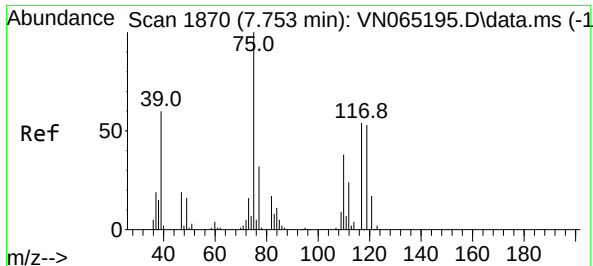
Tgt Ion:114 Resp: 451008
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.6
88 15.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.91 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Tgt Ion:113 Resp: 135811
Ion Ratio Lower Upper
113 100
111 102.7 81.6 122.4
192 23.4 16.2 24.2

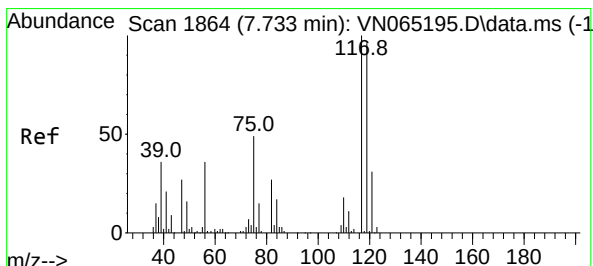
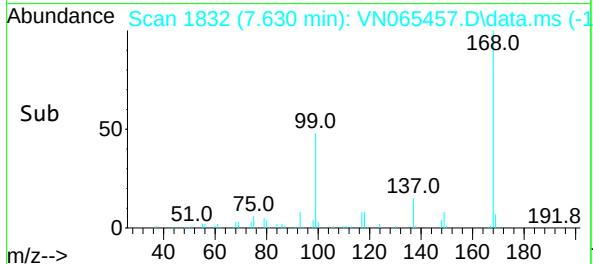
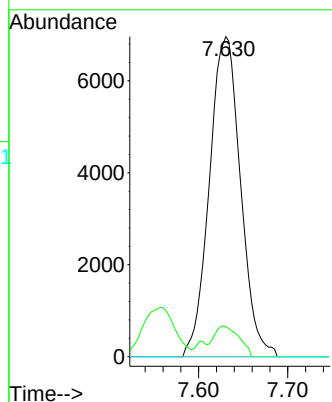
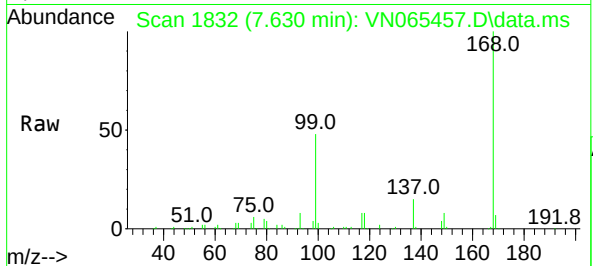




#36
1,1-Dichloropropene
Concen: 4.12 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

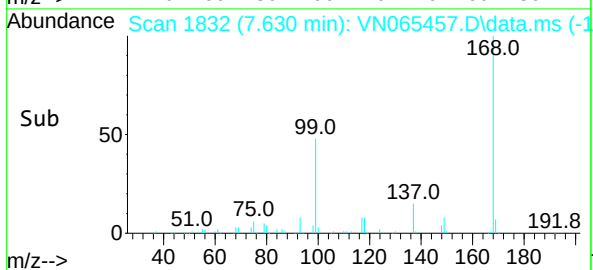
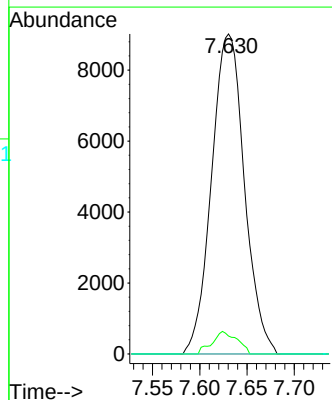
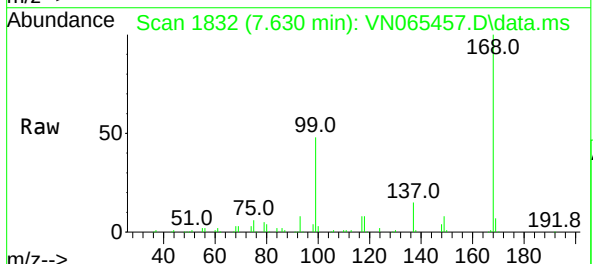
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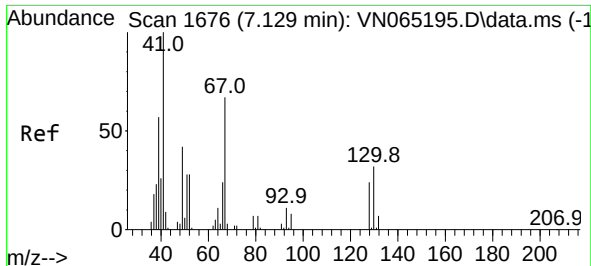
Tgt Ion: 75 Resp: 16908
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.06 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

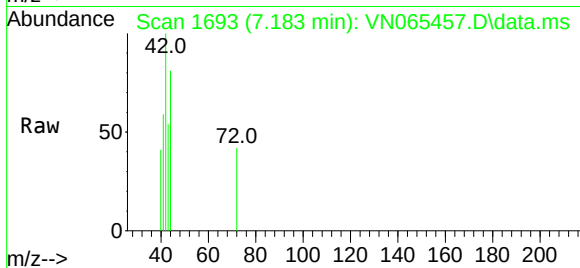
Tgt Ion: 117 Resp: 21793
Ion Ratio Lower Upper
117 100
119 5.6 76.7 115.1#
121 0.0 25.4 38.2#



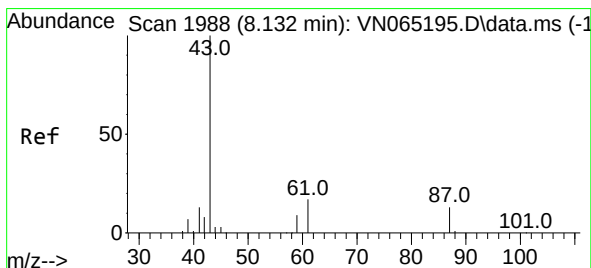
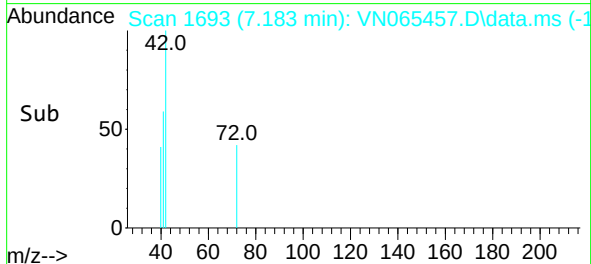
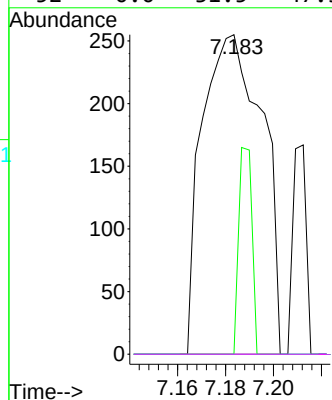


#41
Methacrylonitrile
Concen: 0.21 ug/l
RT: 7.183 min Scan# 1693
Delta R.T. 0.054 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

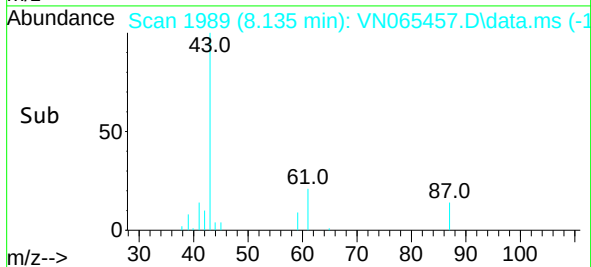
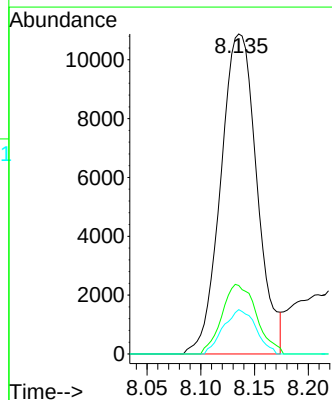
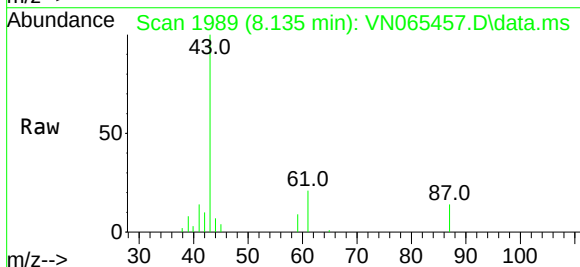


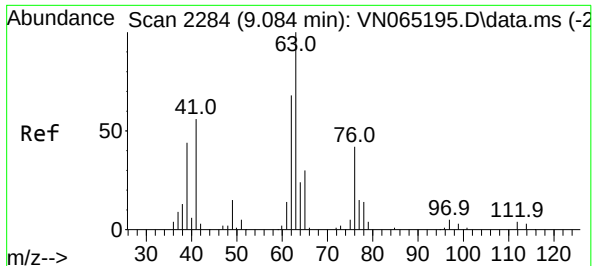
Tgt Ion: 41	Resp: 442
Ion Ratio	Lower Upper
41 100	
39 14.3	51.0 76.6#
67 0.0	79.8 119.8#
52 0.0	31.5 47.3#



#43
Isopropyl Acetate
Concen: 3.64 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Tgt Ion: 43	Resp: 25497
Ion Ratio	Lower Upper
43 100	
61 20.8	17.2 25.8
87 12.4	11.4 17.0

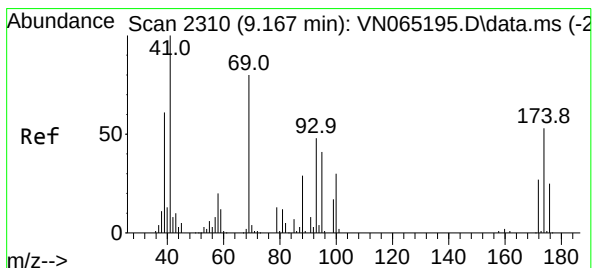
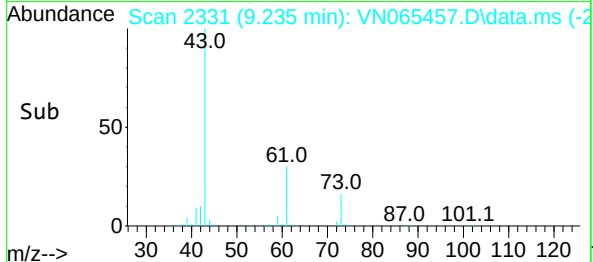
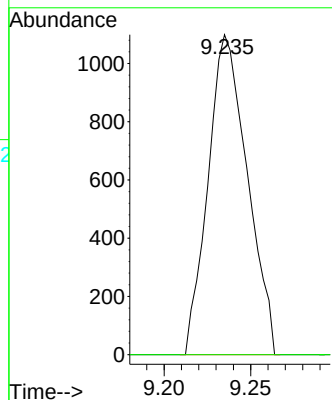
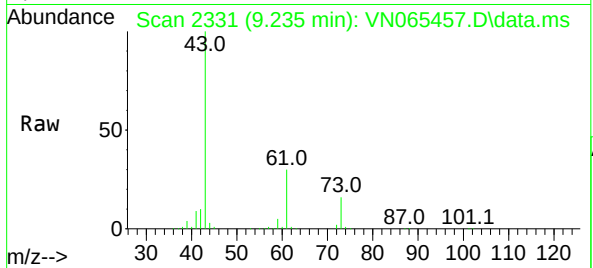




#45
1,2-Dichloropropane
Concen: 0.55 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.151 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

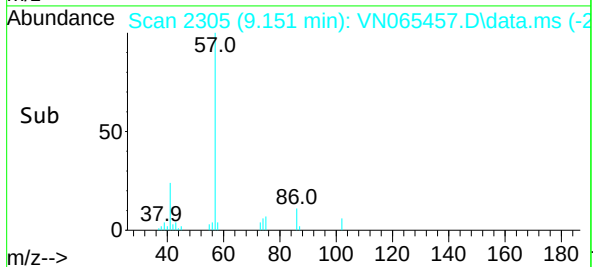
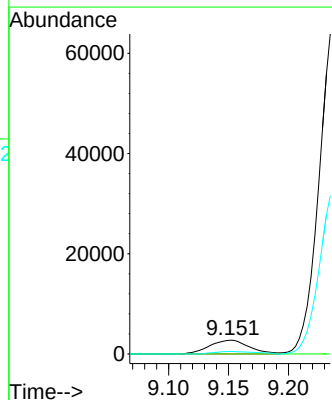
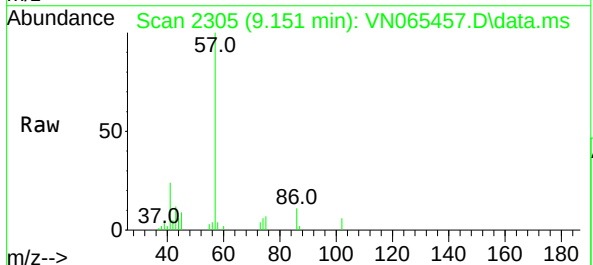
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

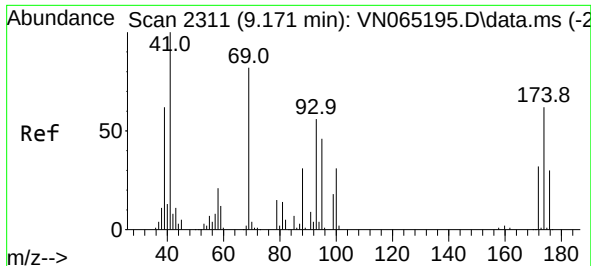
Tgt Ion: 63 Resp: 1729
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.85 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Tgt Ion: 41 Resp: 6299
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

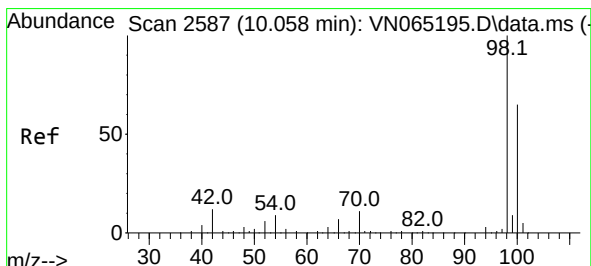
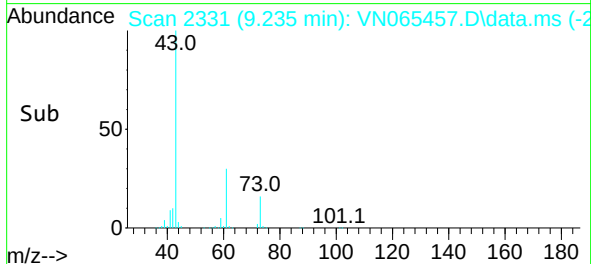
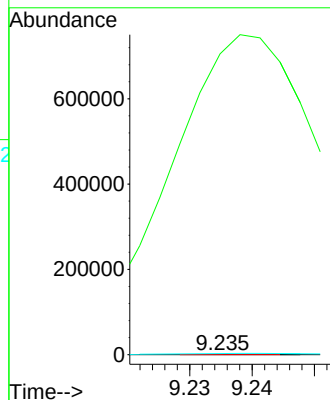
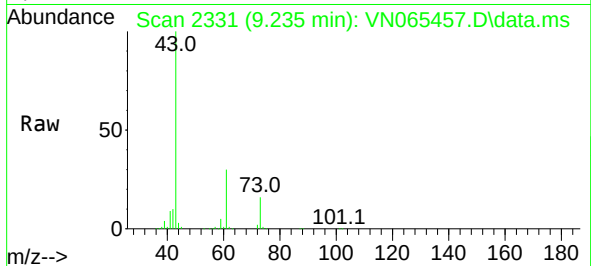




#49
1,4-Dioxane
Concen: 1.07 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.064 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

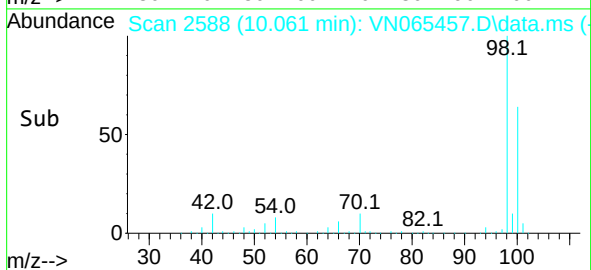
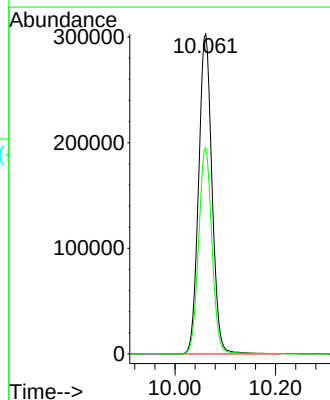
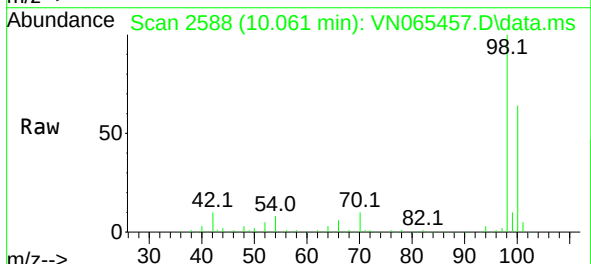
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

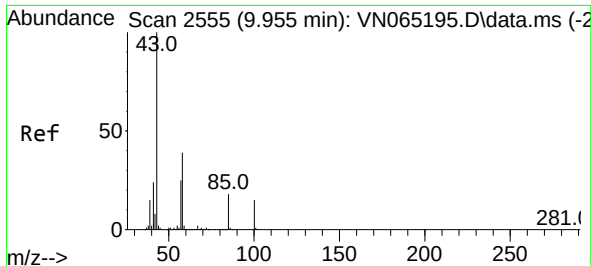
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 2368493.2 24.2 36.4#
58 9455.9 52.5 78.7#



#50
Toluene-d8
Concen: 54.90 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Tgt Ion: 98 Resp: 559887
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5

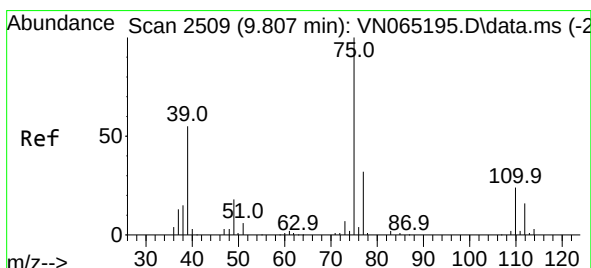
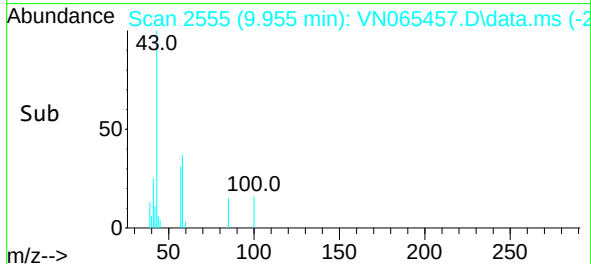
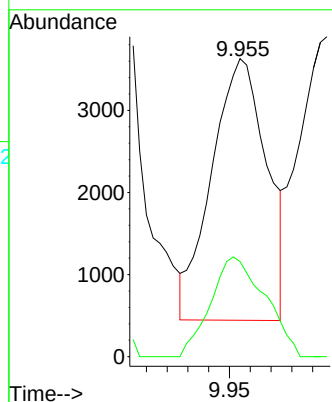
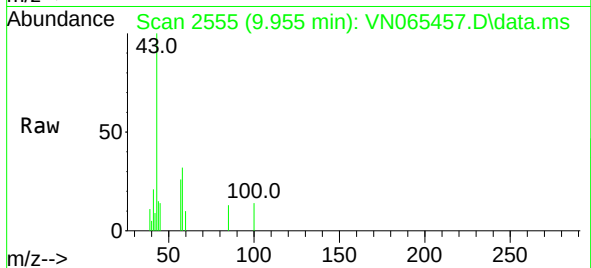




#51
4-Methyl-2-Pentanone
Concen: 1.48 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

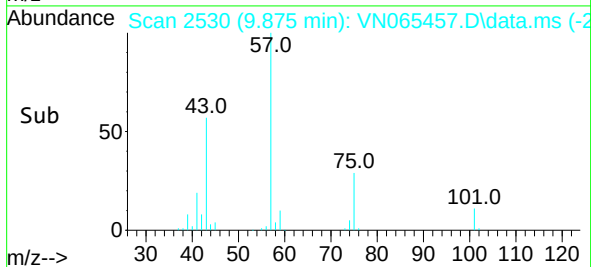
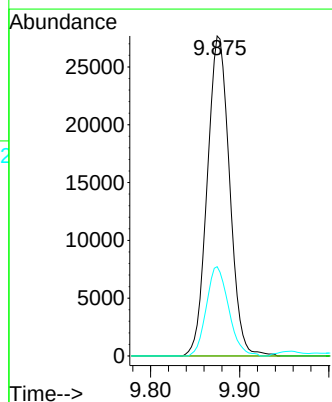
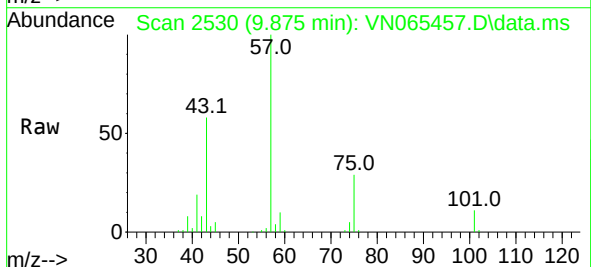
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

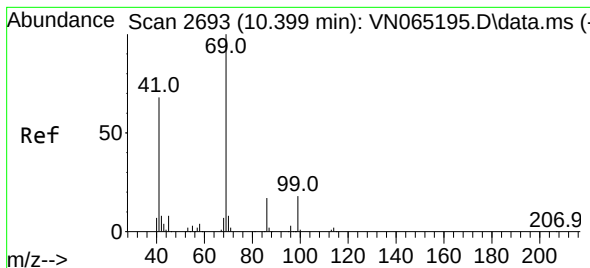
Tgt Ion: 43 Resp: 5841
Ion Ratio Lower Upper
43 100
58 37.8 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 8.84 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Tgt Ion: 75 Resp: 48075
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 27.9 35.6 53.4#

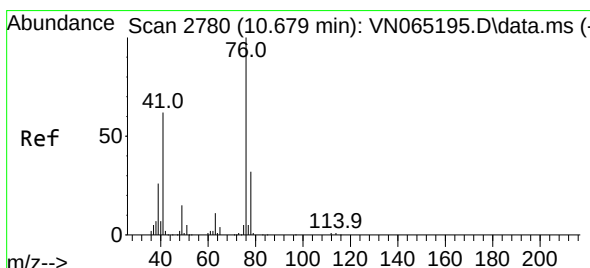
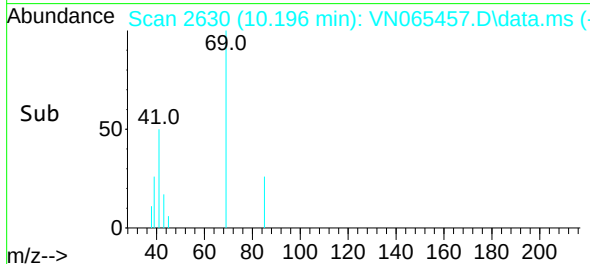
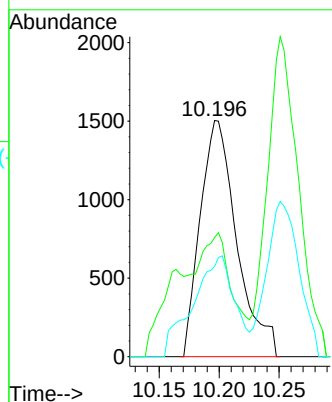
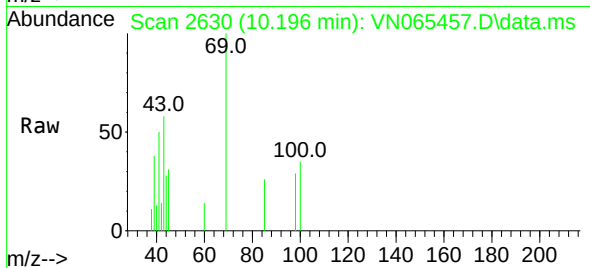




#56
Ethyl methacrylate
Concen: 0.68 ug/l
RT: 10.196 min Scan# 2630
Delta R.T. -0.203 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

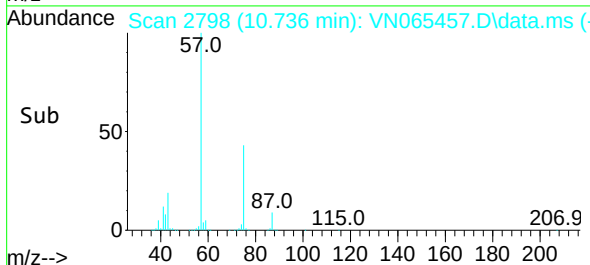
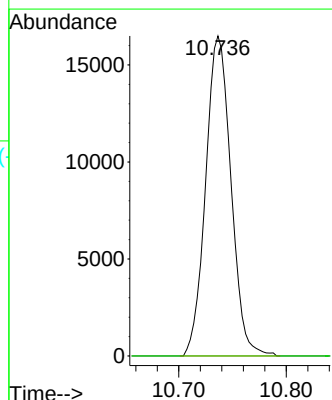
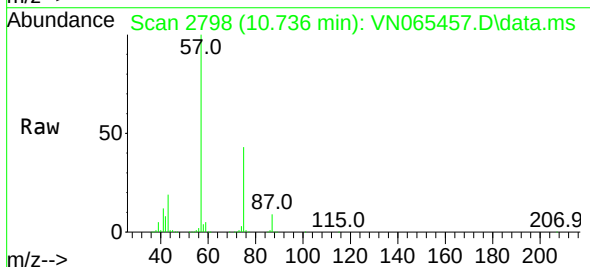
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

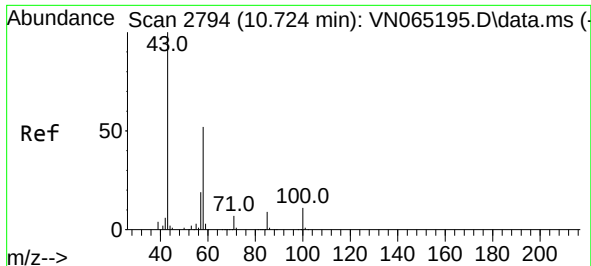
Tgt Ion: 69 Resp: 3189
Ion Ratio Lower Upper
69 100
41 45.1 49.4 74.0#
39 48.8 25.9 38.9#



#57
1,3-Dichloropropane
Concen: 5.37 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Tgt Ion: 76 Resp: 26974
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

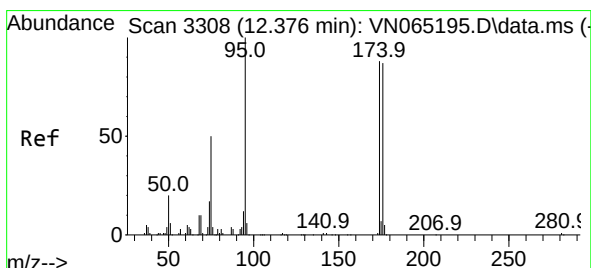
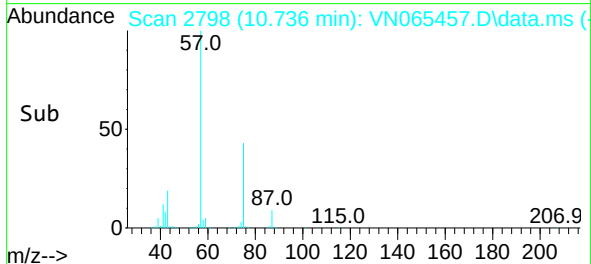
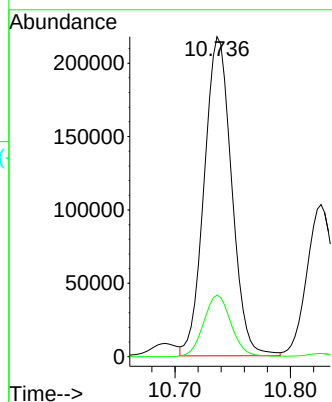
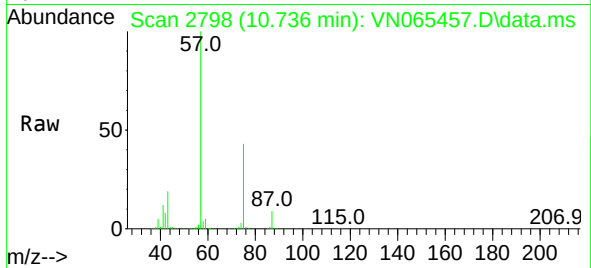




#59
2-Hexanone
Concen: 123.88 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

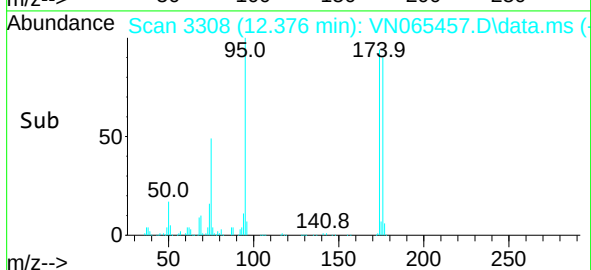
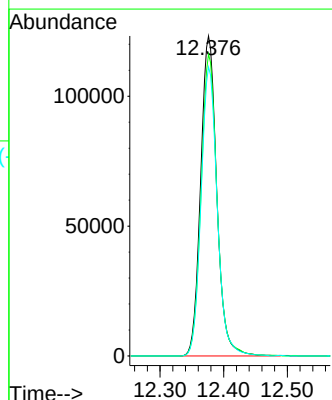
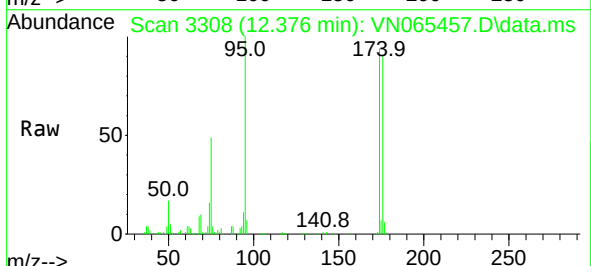
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

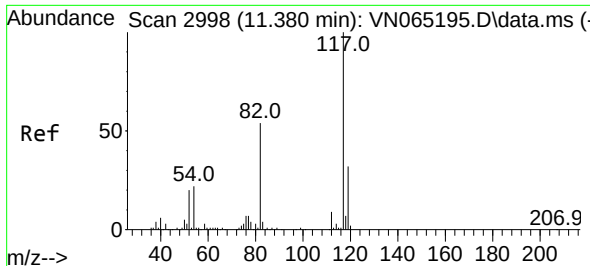
Tgt Ion: 43 Resp: 358711
Ion Ratio Lower Upper
43 100
58 19.4 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.40 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

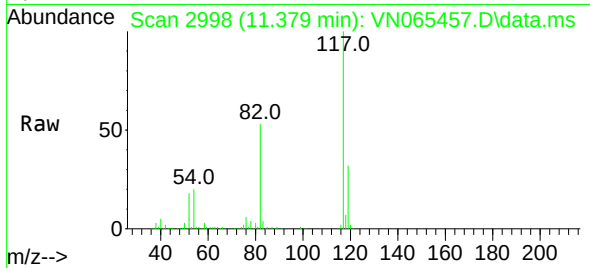
Tgt Ion: 95 Resp: 216914
Ion Ratio Lower Upper
95 100
174 93.9 0.0 160.4
176 90.6 0.0 158.4



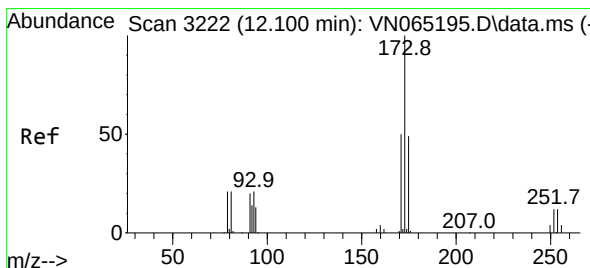
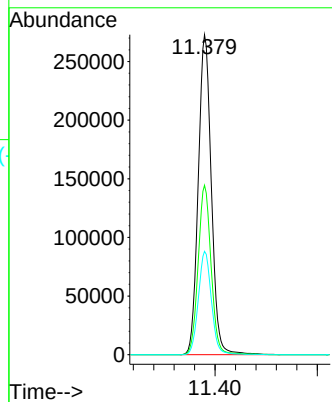
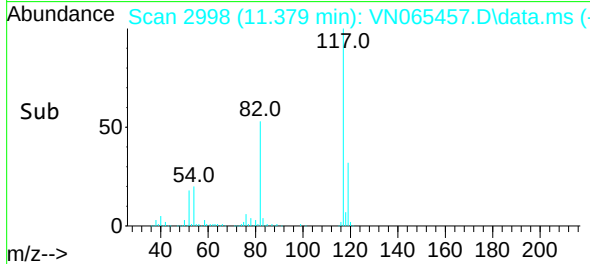


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

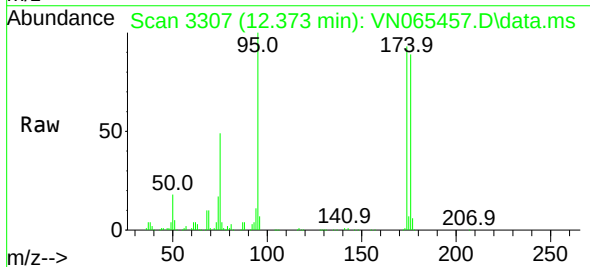
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09



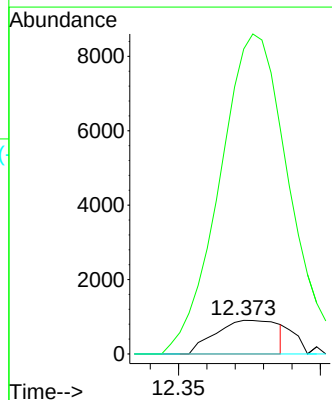
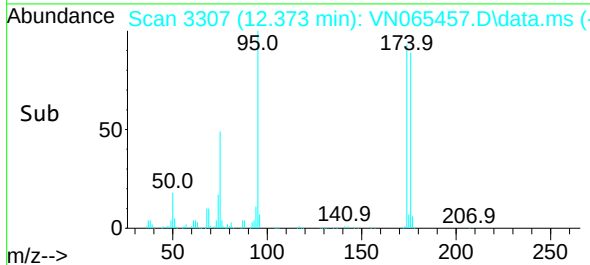
Tgt Ion:117 Resp: 485201
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 32.3 25.8 38.6

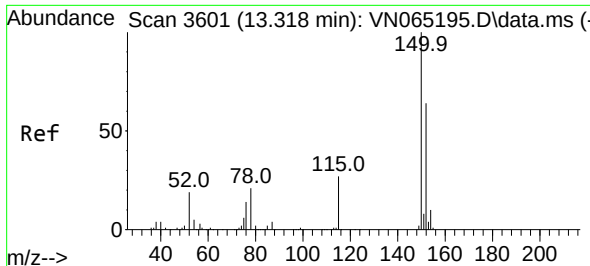


#71
Bromoform
Concen: 0.42 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46



Tgt Ion:173 Resp: 1386
Ion Ratio Lower Upper
173 100
175 869.3 24.3 72.8#
254 0.0 0.0 0.0

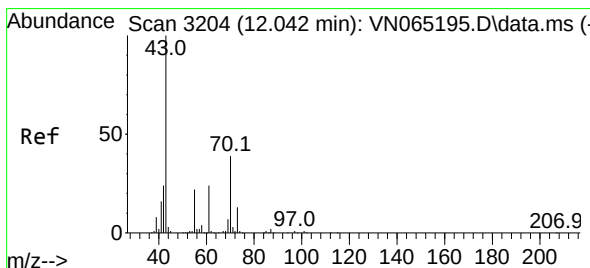
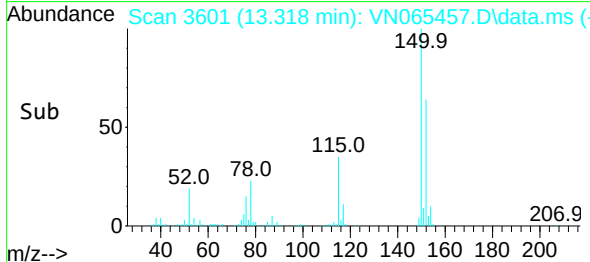
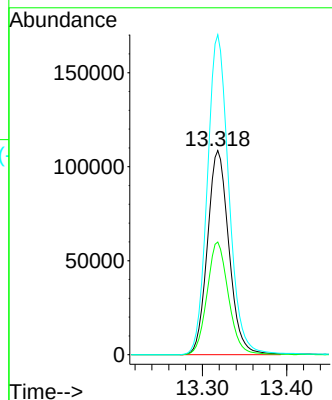
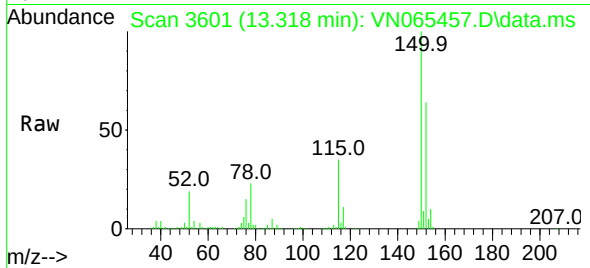




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

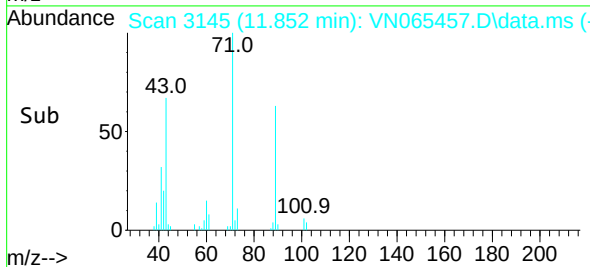
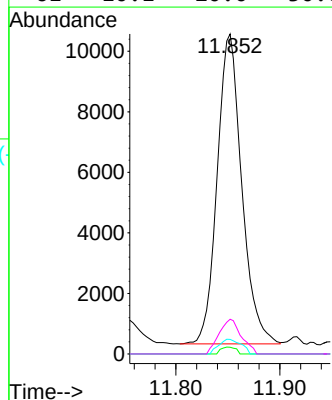
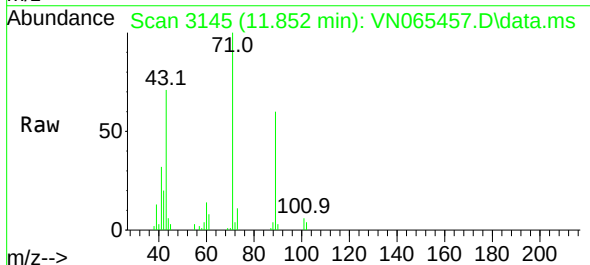
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

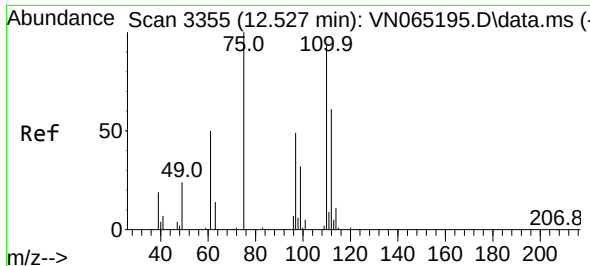
Tgt Ion:152 Resp: 192588
Ion Ratio Lower Upper
152 100
115 55.1 29.7 89.1
150 157.2 0.0 350.6



#74
N-ethyl acetate
Concen: 2.88 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.190 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Tgt Ion: 43 Resp: 16820
Ion Ratio Lower Upper
43 100
70 1.3 34.5 51.7#
55 4.3 20.4 30.6#
61 10.1 20.0 30.0#

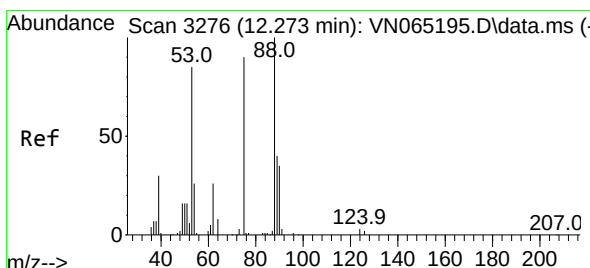
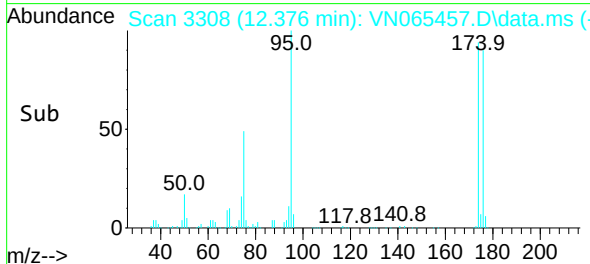
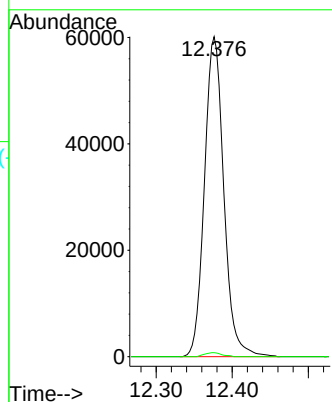
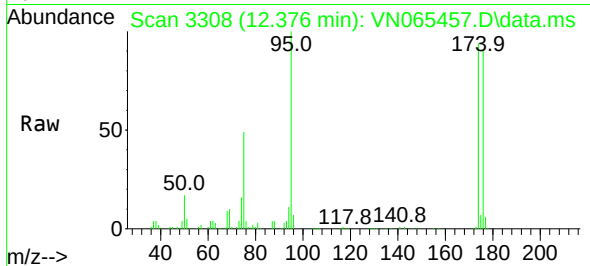




#76
1,2,3-Trichloropropane
Concen: 27.07 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

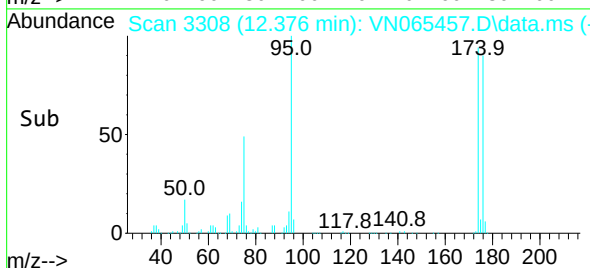
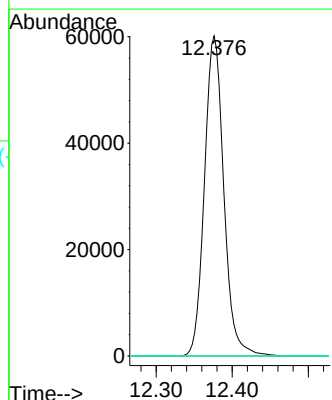
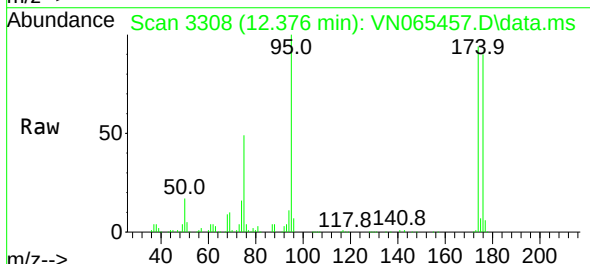
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#09

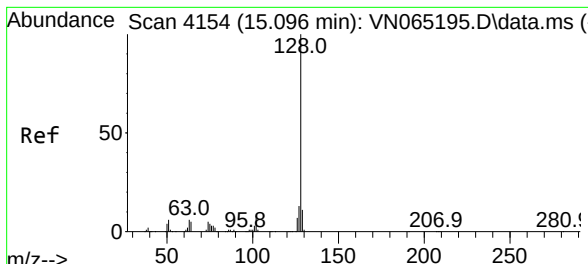
Tgt Ion: 75 Resp: 106375
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.27 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065457.D
Acq: 8 Jan 2021 20:46

Tgt Ion: 75 Resp: 106375
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
 Naphthalene
 Concen: 3.42 ug/l
 RT: 15.112 min Scan# 4159
 Delta R.T. 0.016 min
 Lab File: VN065457.D
 Acq: 8 Jan 2021 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133969ZHE#09

Tgt Ion:128 Resp: 473
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.7 13.1#

