

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010821\
 Data File : VN065452.D
 Acq On : 8 Jan 2021 18:42
 Operator : JC/MD
 Sample : PB133969ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133969ZHE#04

Quant Time: Jan 08 22:50:41 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)

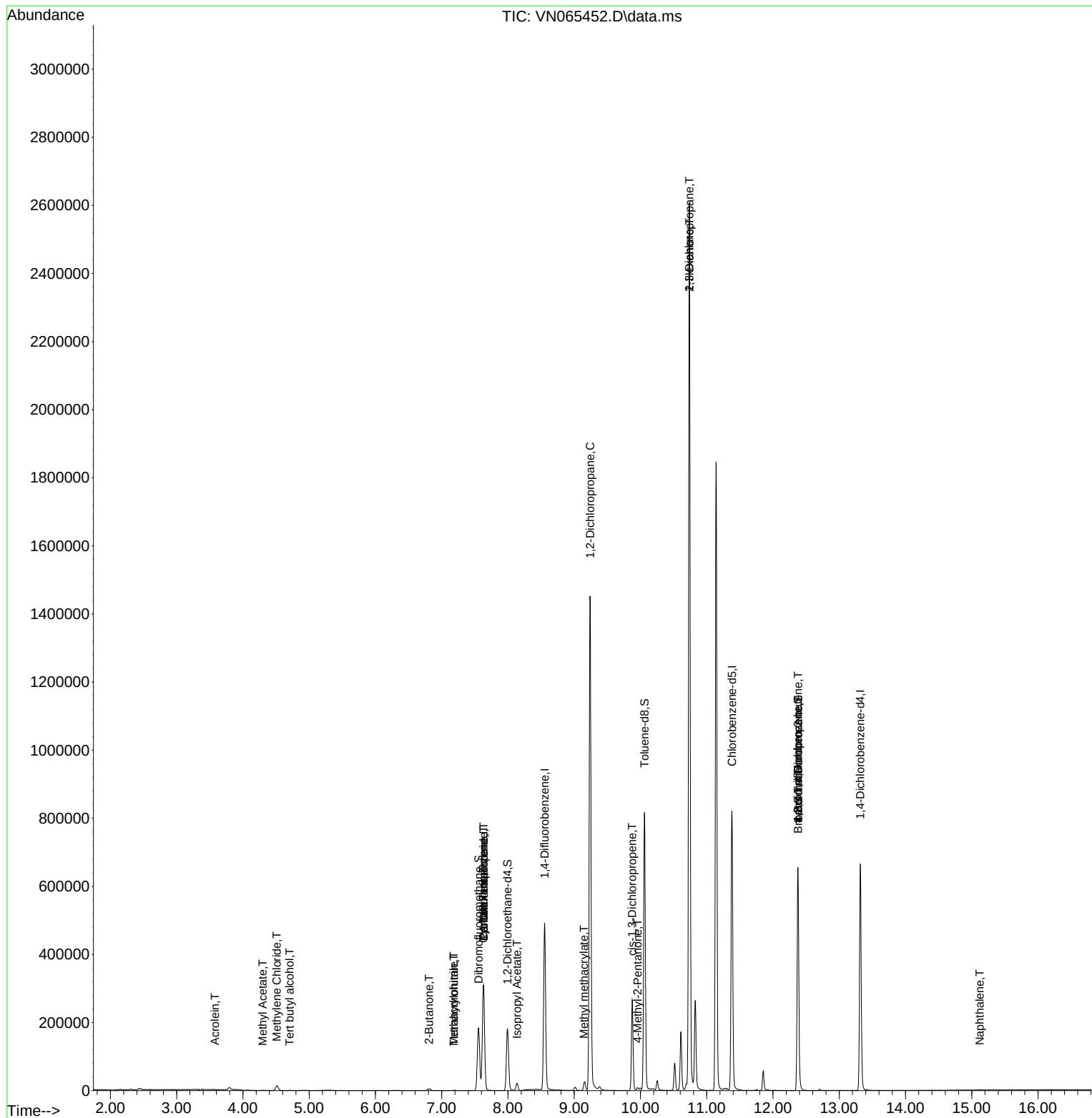
Internal Standards						
1) Pentafluorobenzene	7.630	168	280243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	470868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	514722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	205766	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	162641	51.41	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.82%			
35) Dibromofluoromethane	7.556	113	143284	50.44	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.88%			
50) Toluene-d8	10.061	98	587458	55.18	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.36%			
62) 4-Bromofluorobenzene	12.376	95	230556	54.27	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.54%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.704	59	404	0.78	ug/l #	73
13) Acrolein	3.576	56	62	2.59	ug/l #	62
16) Acetone	3.798	43	9984	Below Cal		95
18) Methyl Acetate	4.299	43	1382	0.49	ug/l #	59
20) Methylene Chloride	4.512	84	11625	3.77	ug/l	96
25) 2-Butanone	6.807	43	1319	0.74	ug/l	96
29) Tetrahydrofuran	7.183	42	1125	0.98	ug/l #	34
31) Cyclohexane	7.627	56	4503	0.96	ug/l #	9
36) 1,1-Dichloropropene	7.630	75	17756	4.15	ug/l #	50
38) Carbon Tetrachloride	7.630	117	23774	5.29	ug/l #	17
41) Methacrylonitrile	7.183	41	642	0.29	ug/l #	13
43) Isopropyl Acetate	8.135	43	26232	3.59	ug/l	96
45) 1,2-Dichloropropane	9.241	63	1721	0.52	ug/l #	43
48) Methyl methacrylate	9.148	41	6545	1.84	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	5907	1.44	ug/l	89
54) cis-1,3-Dichloropropene	9.875	75	49111	8.65	ug/l #	61
57) 1,3-Dichloropropane	10.736	76	27936	5.33	ug/l #	42
59) 2-Hexanone	10.736	43	378922	125.34	ug/l #	49
71) Bromoform	12.379	173	1354	0.39	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	112765	26.86	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	112765	67.74	ug/l #	15
95) Naphthalene	15.119	128	1245	3.48	ug/l #	69

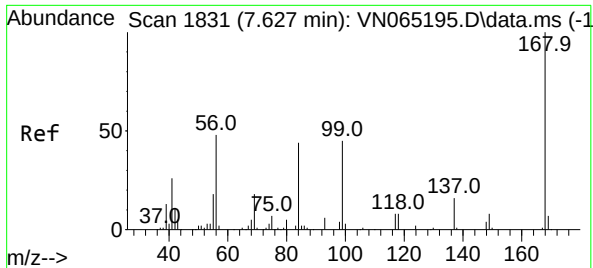
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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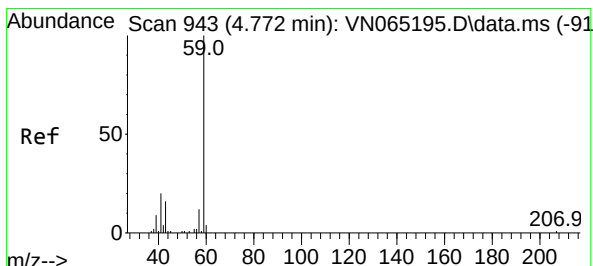
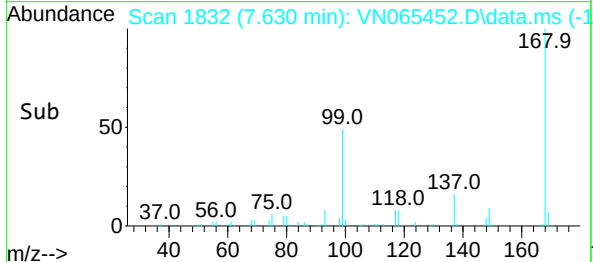
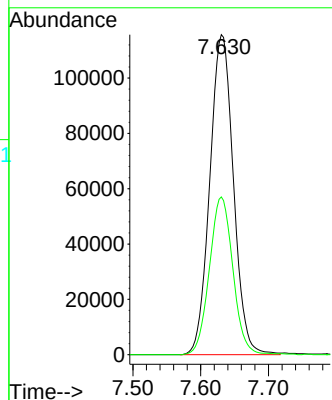
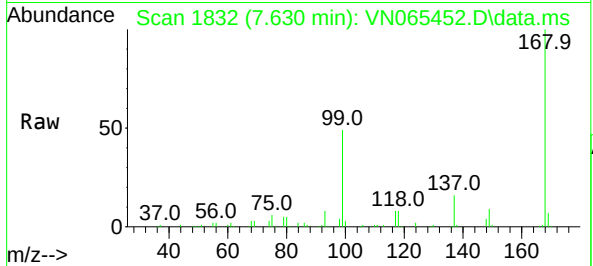




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

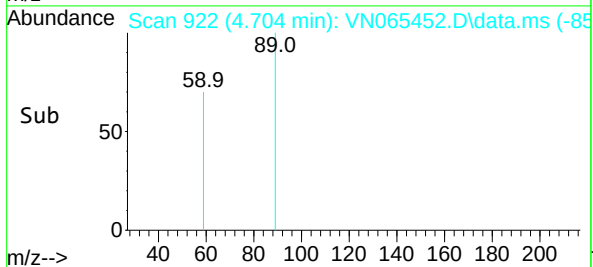
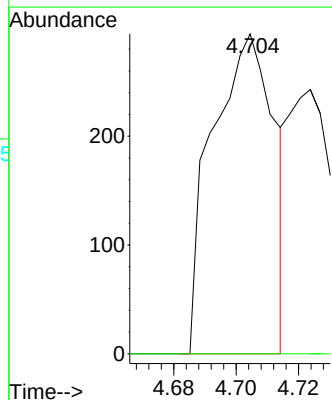
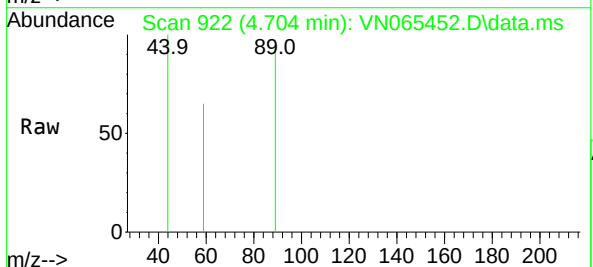
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04

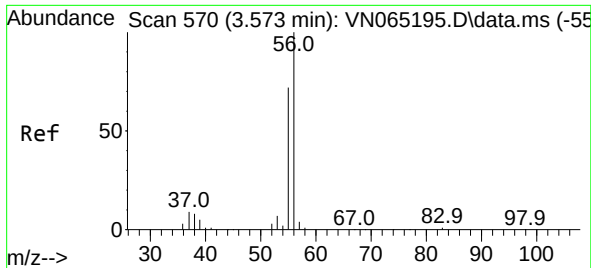
Tgt Ion:168 Resp: 280243
Ion Ratio Lower Upper
168 100
99 49.3 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.78 ug/l
RT: 4.704 min Scan# 922
Delta R.T. -0.068 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Tgt Ion: 59 Resp: 404
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

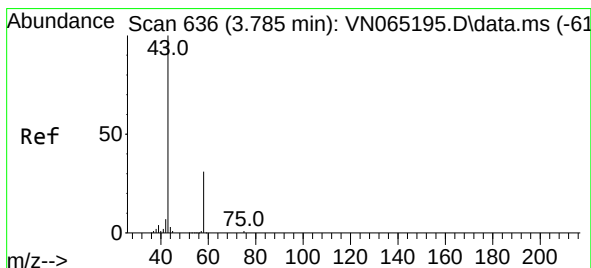
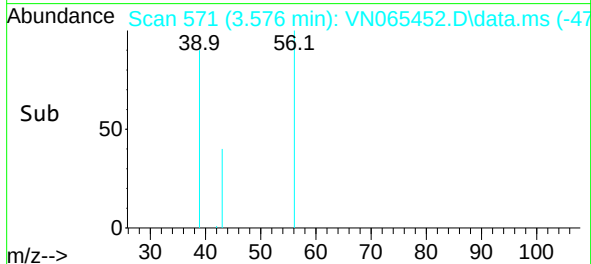
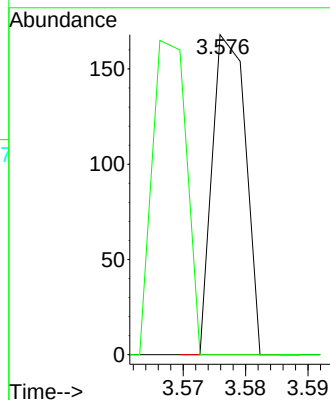
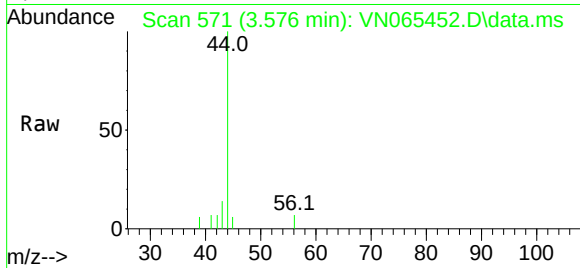




#13
Acrolein
Concen: 2.59 ug/l
RT: 3.576 min Scan# 571
Delta R.T. 0.003 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

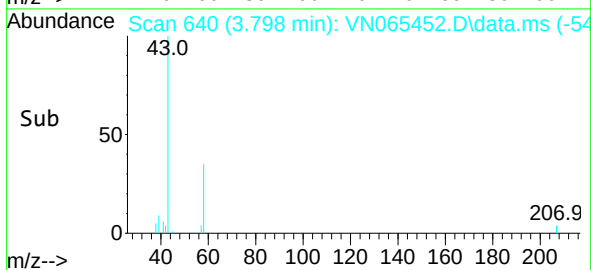
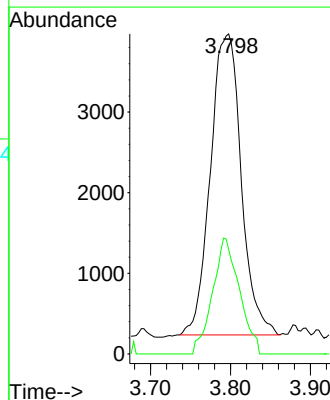
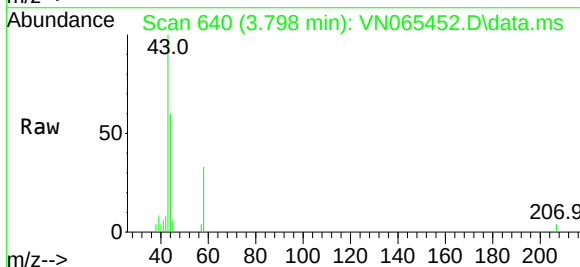
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04

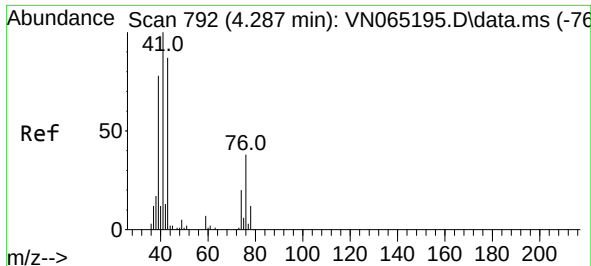
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 101.6 56.5 84.7#



#16
Acetone
Concen: Below Cal
RT: 3.798 min Scan# 640
Delta R.T. 0.013 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

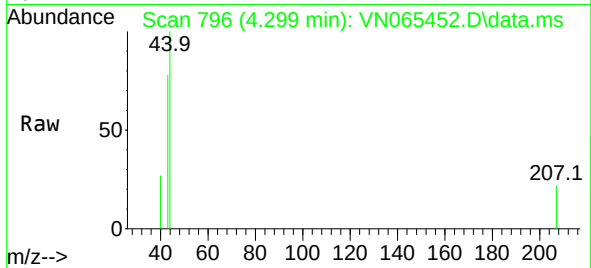
Tgt Ion: 43 Resp: 9984
Ion Ratio Lower Upper
43 100
58 34.7 25.7 38.5



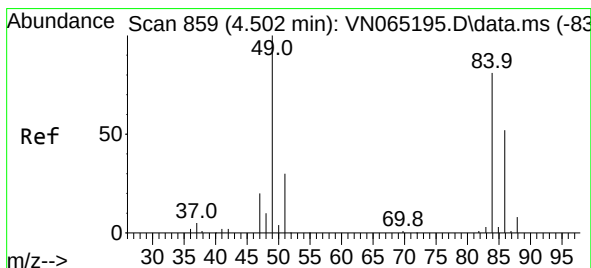
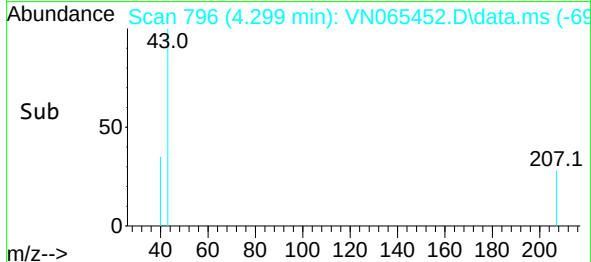
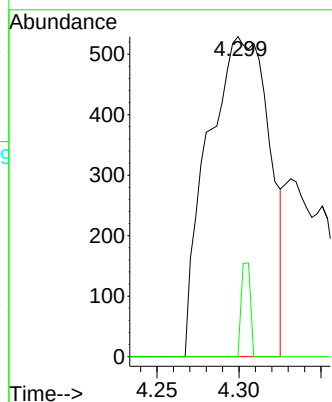


#18
Methyl Acetate
Concen: 0.49 ug/l
RT: 4.299 min Scan# 796
Delta R.T. 0.012 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04

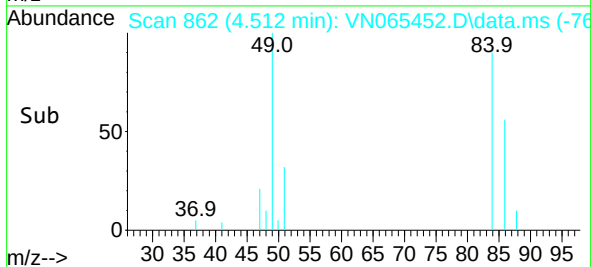
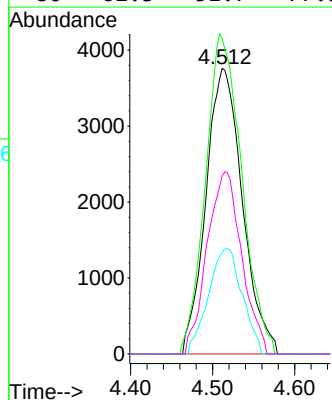
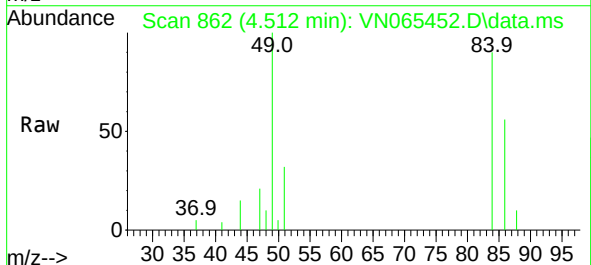


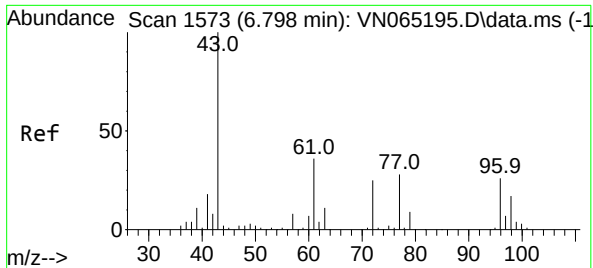
Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
74 4.3 20.2 30.2#



#20
Methylene Chloride
Concen: 3.77 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Tgt Ion: 84 Resp: 11625
Ion Ratio Lower Upper
84 100
49 110.6 93.4 140.0
51 35.5 28.2 42.4
86 62.3 51.7 77.5

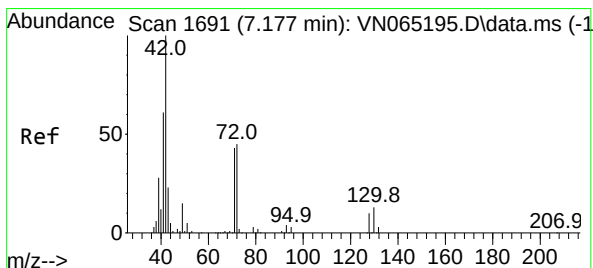
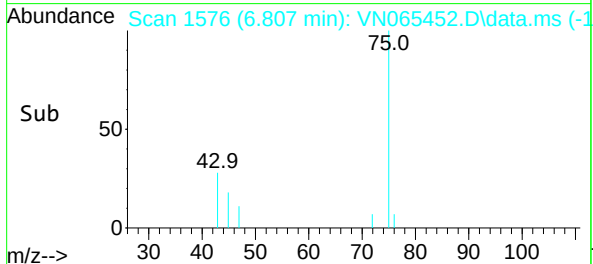
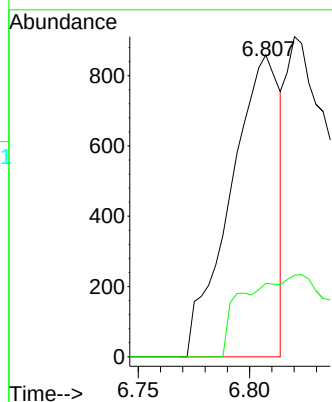
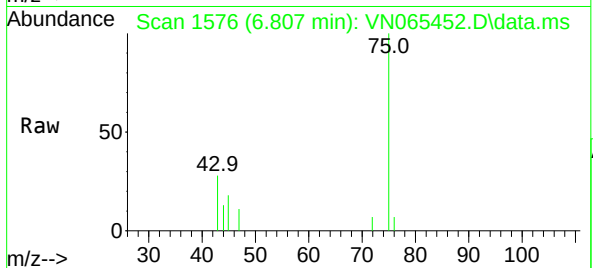




#25
2-Butanone
Concen: 0.74 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.009 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

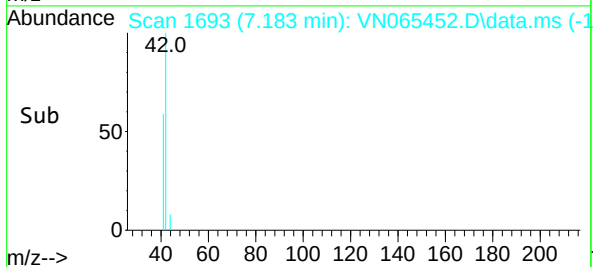
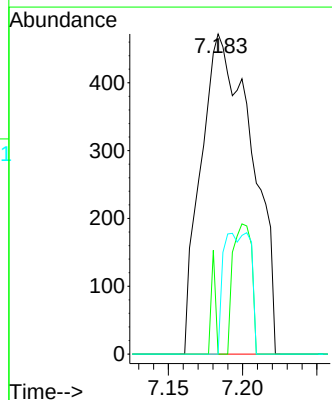
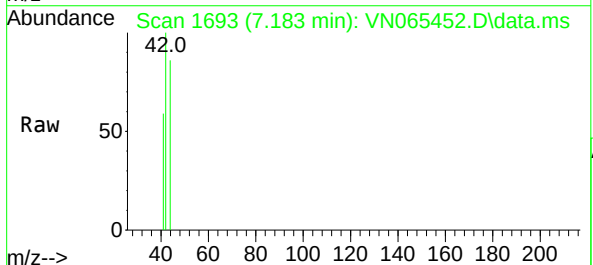
Instrument :
MSVOA_N
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PB133969ZHE#04

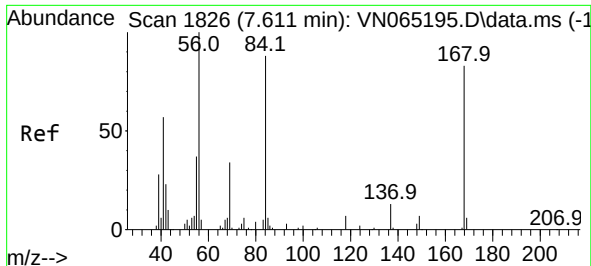
Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
72 24.3 21.0 31.6



#29
Tetrahydrofuran
Concen: 0.98 ug/l
RT: 7.183 min Scan# 1693
Delta R.T. 0.006 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

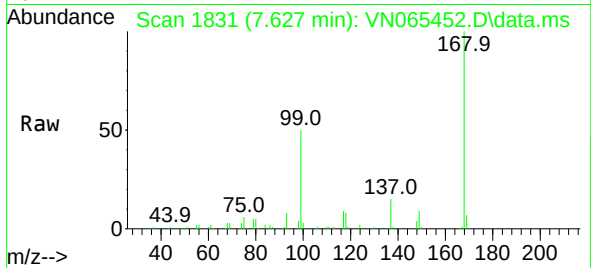
Tgt Ion: 42 Resp: 1125
Ion Ratio Lower Upper
42 100
72 2.7 36.6 54.8#
71 0.0 33.6 50.4#



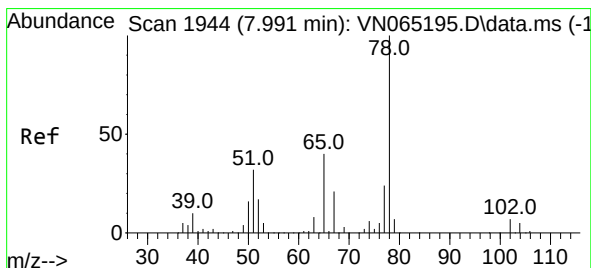
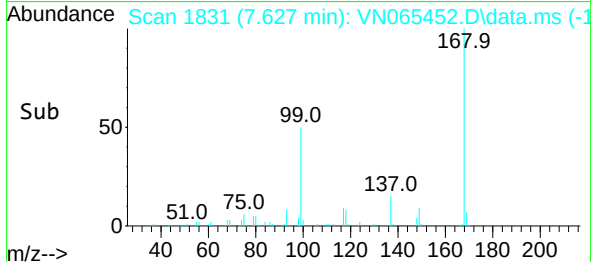
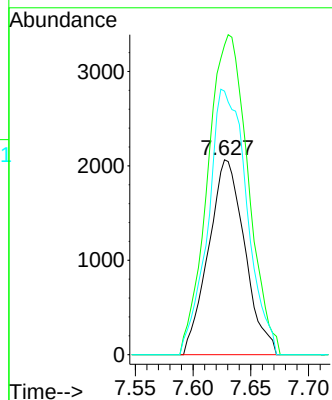


#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04

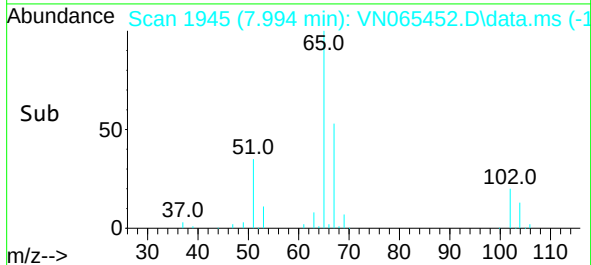
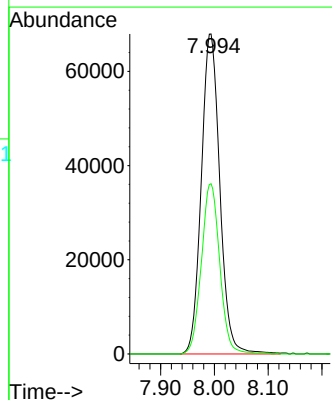
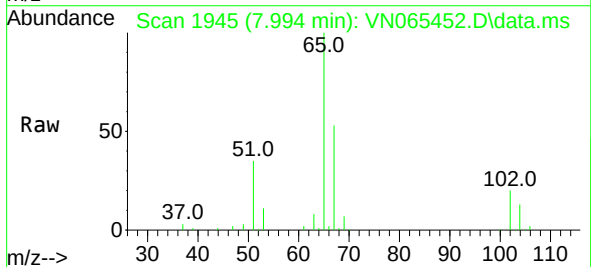


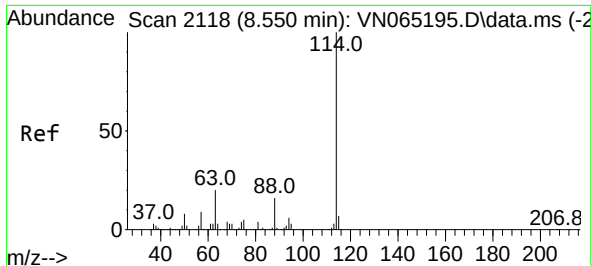
Tgt Ion: 56 Resp: 4503
Ion Ratio Lower Upper
56 100
69 158.8 27.5 41.3#
84 135.2 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 51.41 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Tgt Ion: 65 Resp: 162641
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.2

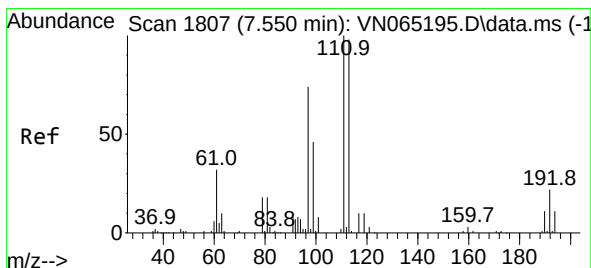
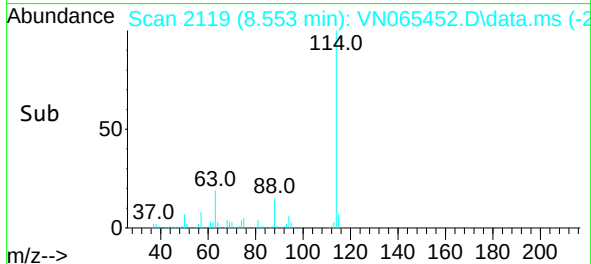
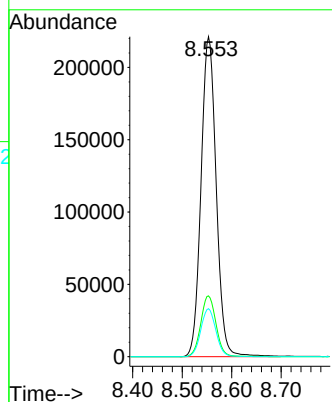
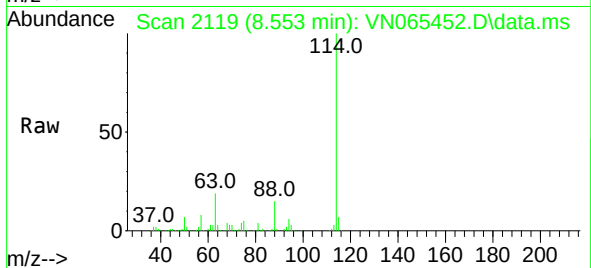




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

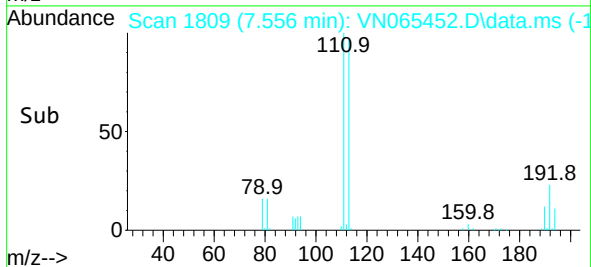
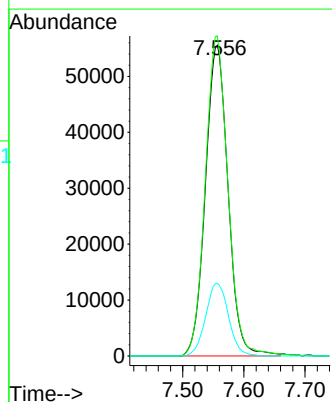
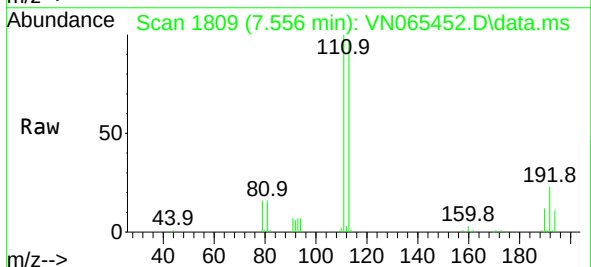
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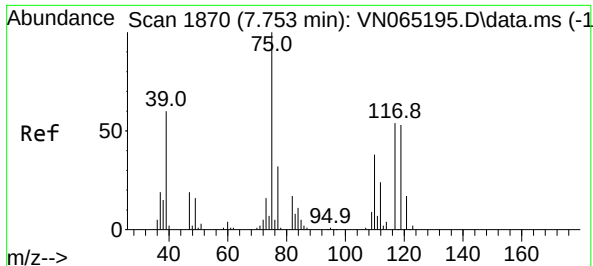
Tgt Ion:114 Resp: 470868
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.6
88 15.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.44 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Tgt Ion:113 Resp: 143284
Ion Ratio Lower Upper
113 100
111 103.0 81.6 122.4
192 23.5 16.2 24.2

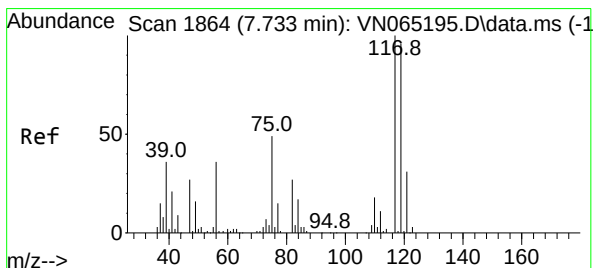
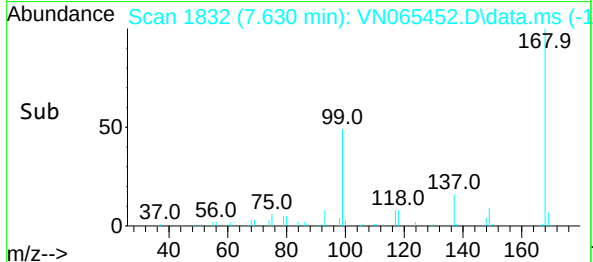
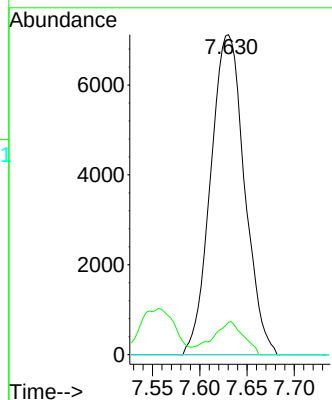
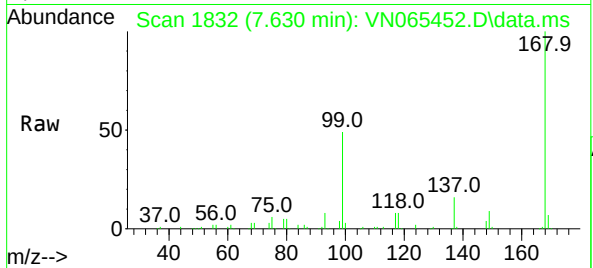




#36
1,1-Dichloropropene
Concen: 4.15 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

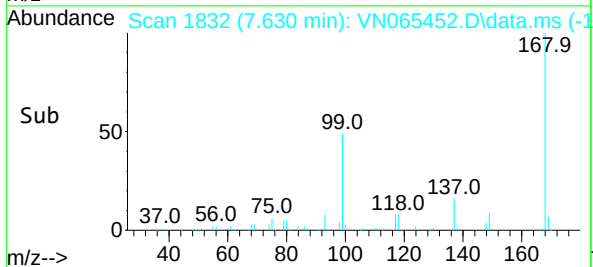
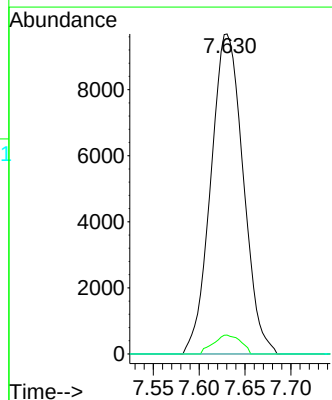
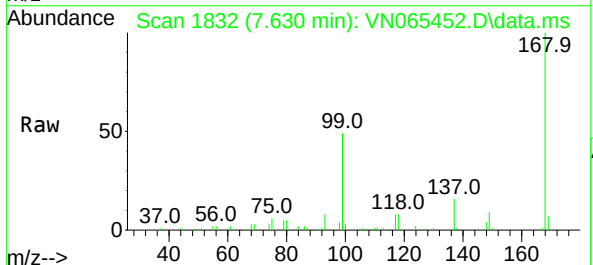
Instrument :
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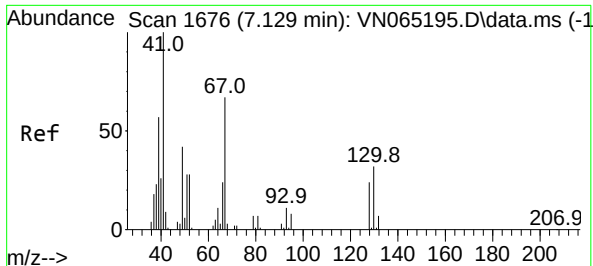
Tgt Ion: 75 Resp: 17756
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

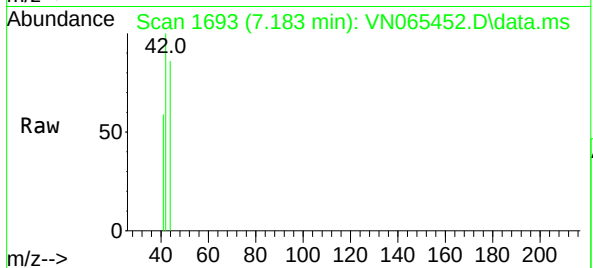
Tgt Ion: 117 Resp: 23774
Ion Ratio Lower Upper
117 100
119 5.9 76.7 115.1#
121 0.0 25.4 38.2#



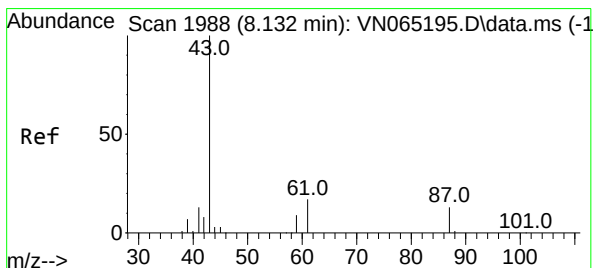
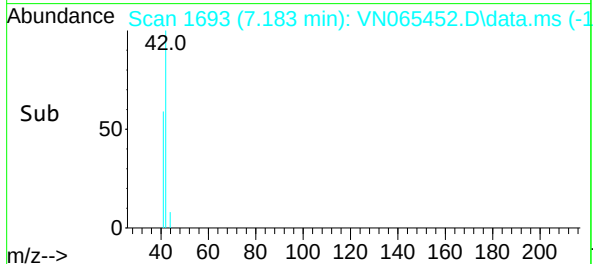
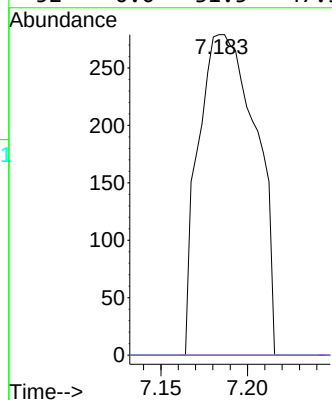


#41
Methacrylonitrile
Concen: 0.29 ug/l
RT: 7.183 min Scan# 1693
Delta R.T. 0.054 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04

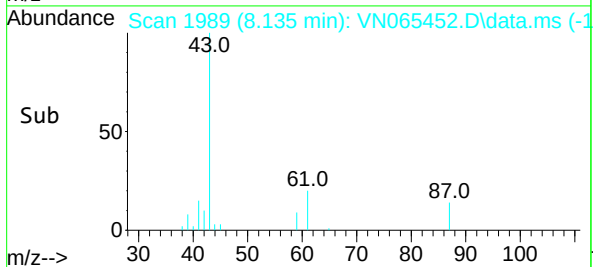
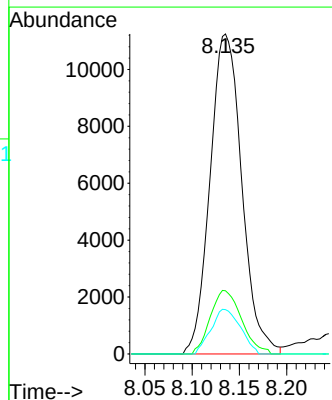
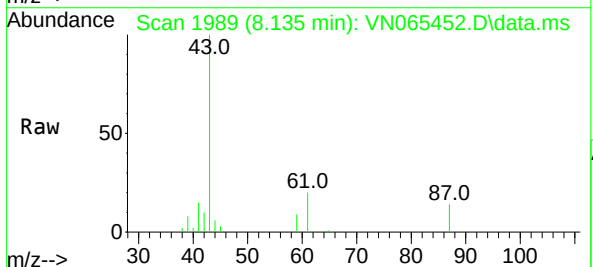


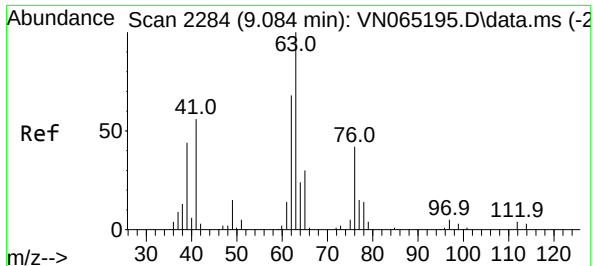
Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	79.8	119.8#
52	0.0	31.5	47.3#



#43
Isopropyl Acetate
Concen: 3.59 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	17.2	25.8
87	12.9	11.4	17.0

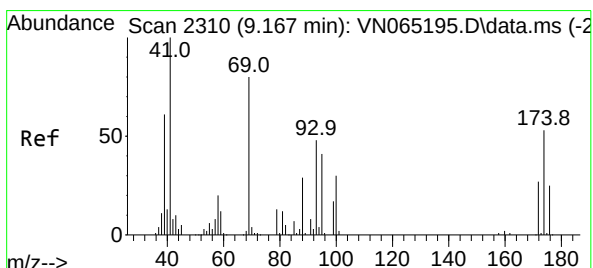
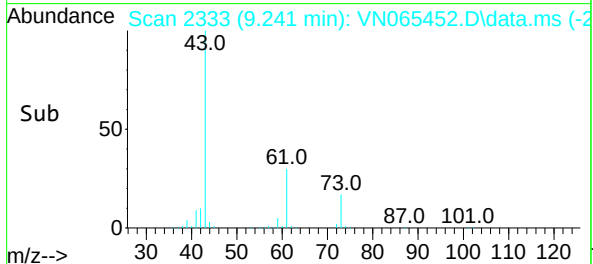
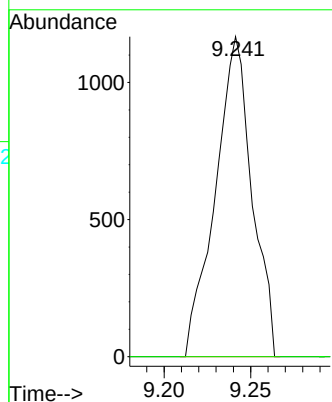
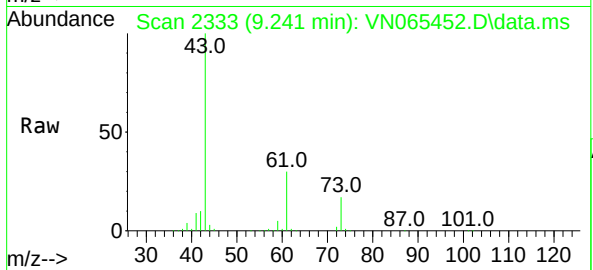




#45
1,2-Dichloropropane
Concen: 0.52 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

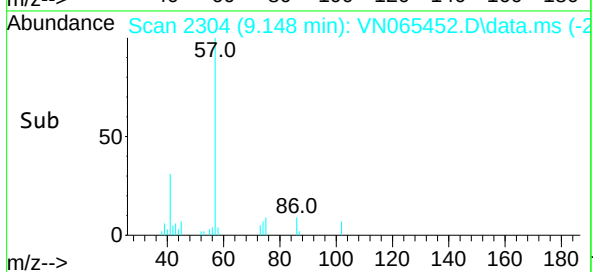
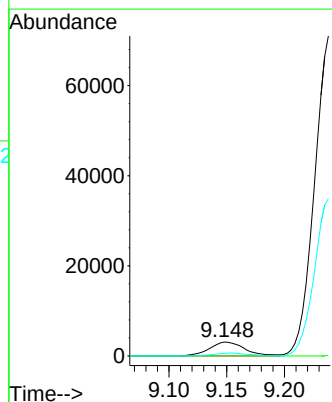
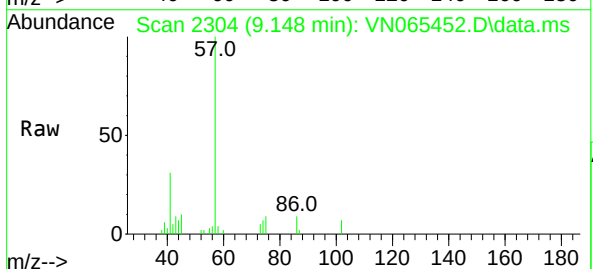
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04

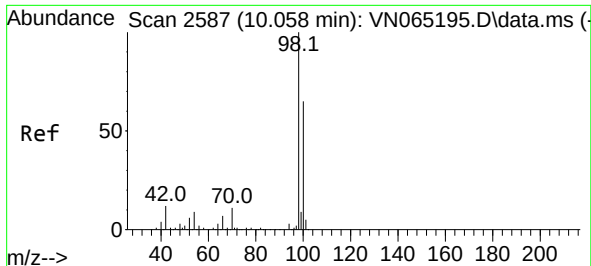
Tgt Ion: 63 Resp: 1721
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.84 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Tgt Ion: 41 Resp: 6545
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

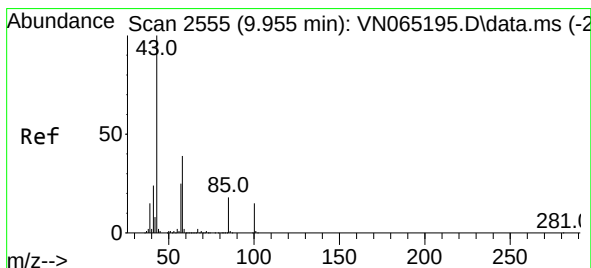
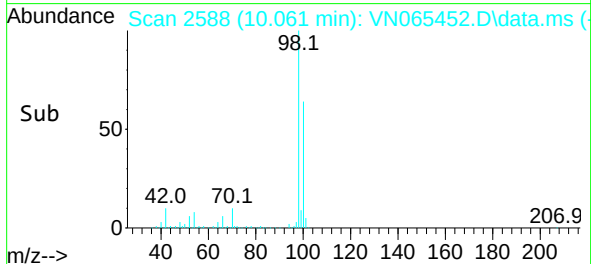
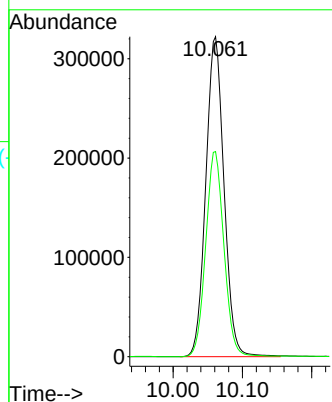
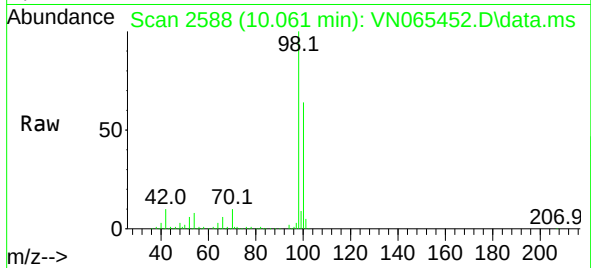




#50
Toluene-d8
Concen: 55.18 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

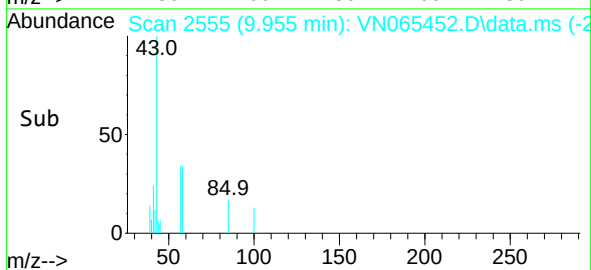
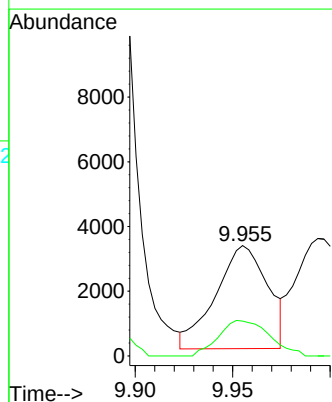
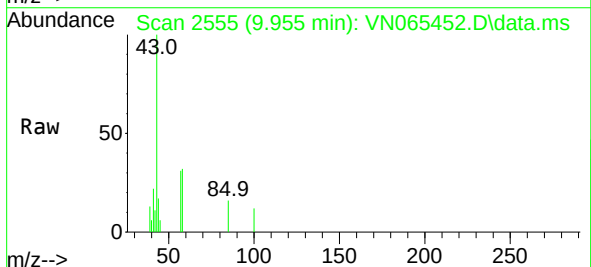
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04

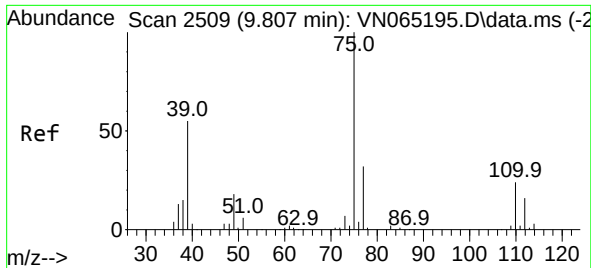
Tgt Ion: 98 Resp: 587458
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.44 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Tgt Ion: 43 Resp: 5907
Ion Ratio Lower Upper
43 100
58 33.7 32.4 48.6

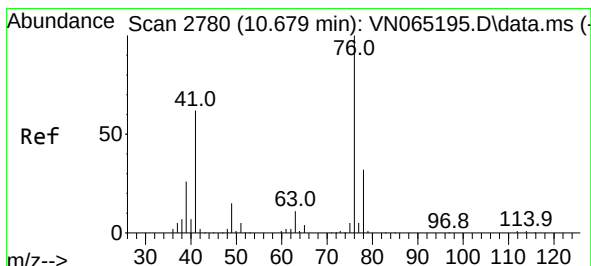
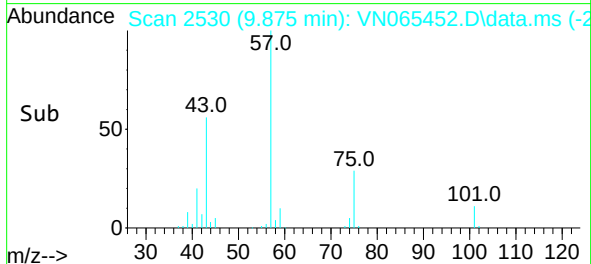
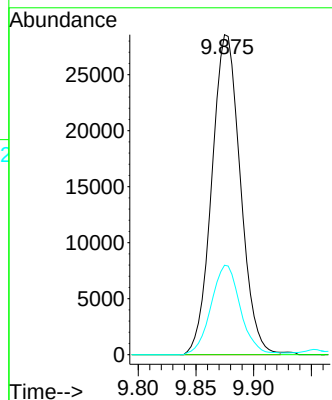
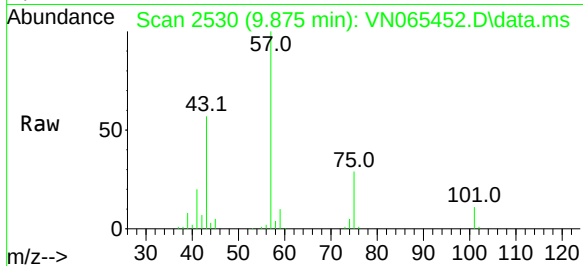




#54
 cis-1,3-Dichloropropene
 Concen: 8.65 ug/l
 RT: 9.875 min Scan# 2530
 Delta R.T. 0.068 min
 Lab File: VN065452.D
 Acq: 8 Jan 2021 18:42

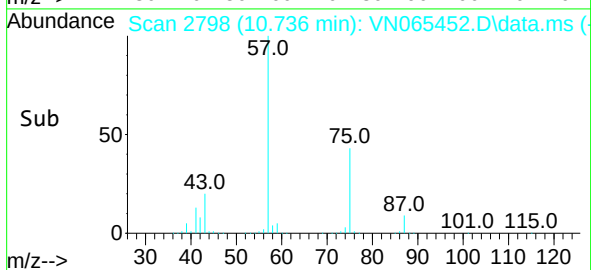
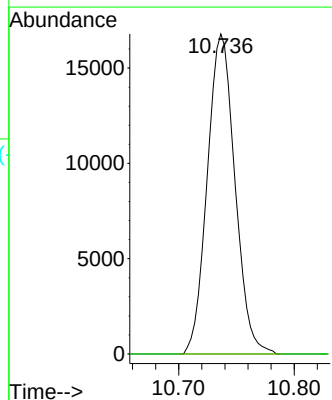
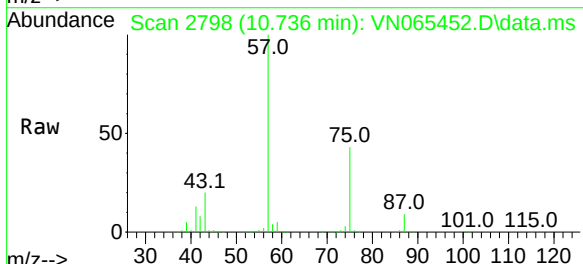
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133969ZHE#04

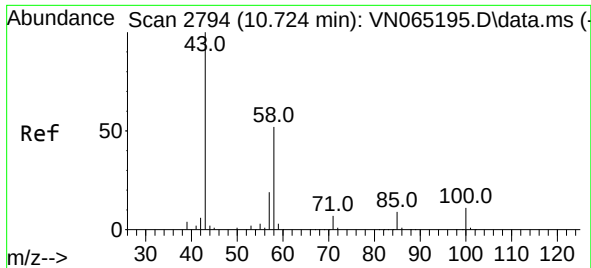
Tgt Ion: 75 Resp: 49111
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 28.0 35.6 53.4#



#57
 1,3-Dichloropropane
 Concen: 5.33 ug/l
 RT: 10.736 min Scan# 2798
 Delta R.T. 0.057 min
 Lab File: VN065452.D
 Acq: 8 Jan 2021 18:42

Tgt Ion: 76 Resp: 27936
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

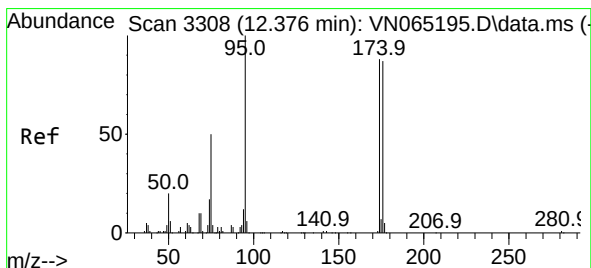
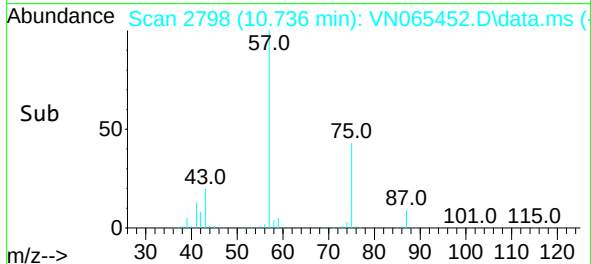
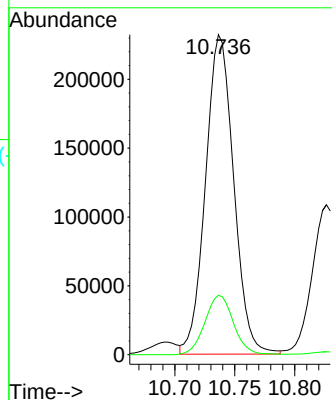
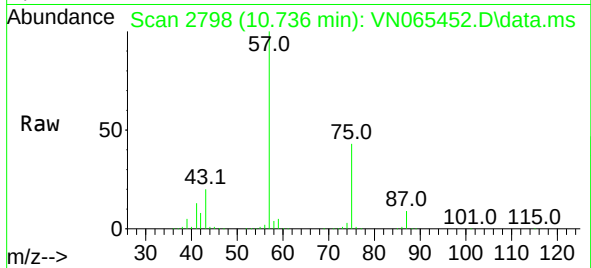




#59
2-Hexanone
Concen: 125.34 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

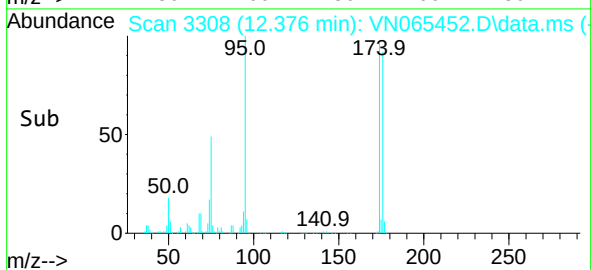
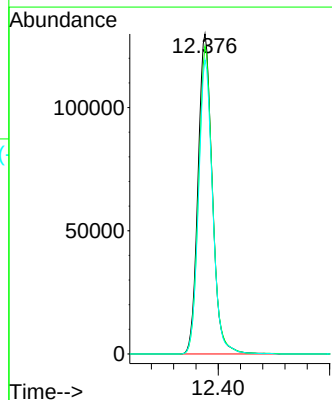
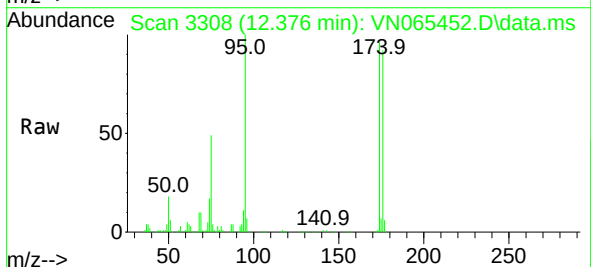
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04

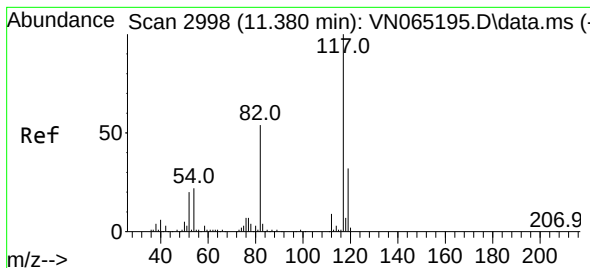
Tgt Ion: 43 Resp: 378922
Ion Ratio Lower Upper
43 100
58 18.9 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.27 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Tgt Ion: 95 Resp: 230556
Ion Ratio Lower Upper
95 100
174 94.5 0.0 160.4
176 90.9 0.0 158.4

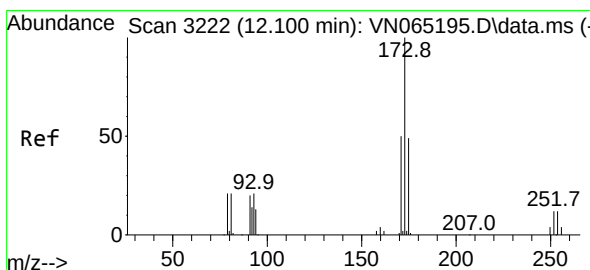
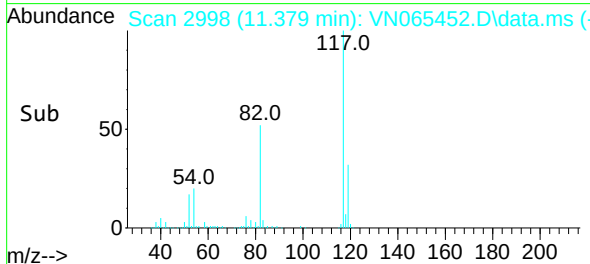
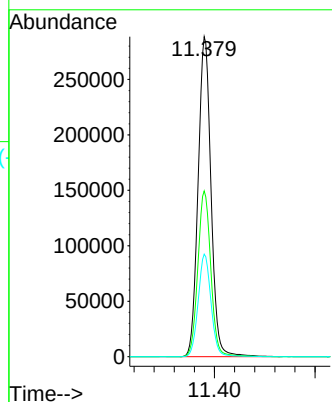
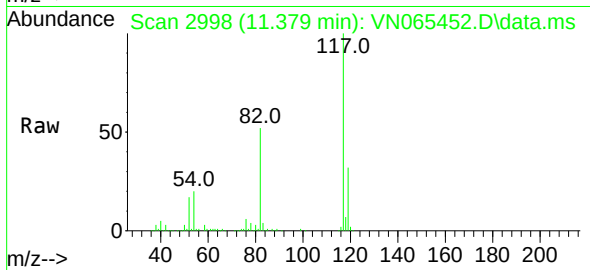




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

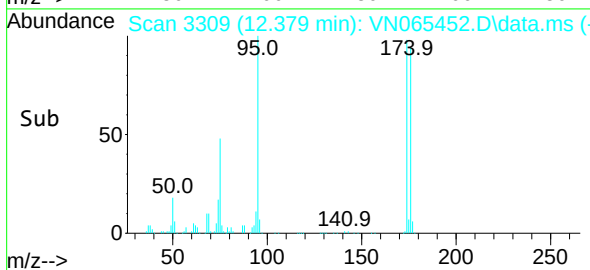
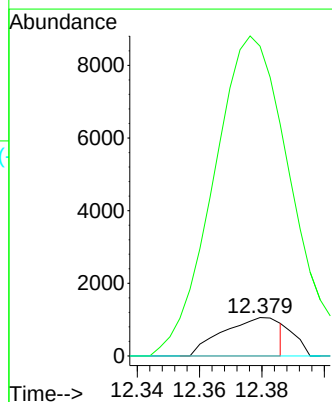
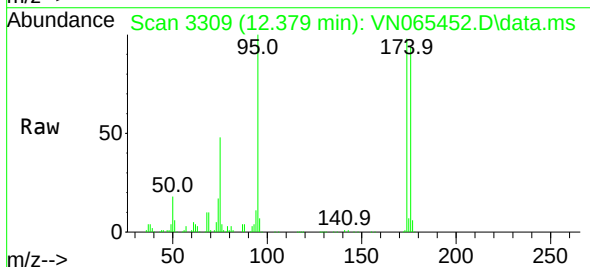
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04

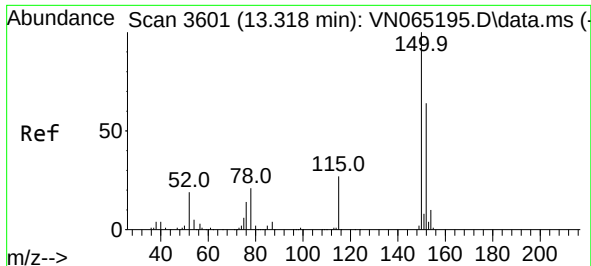
Tgt Ion:117 Resp: 514722
Ion Ratio Lower Upper
117 100
82 51.8 44.2 66.2
119 32.1 25.8 38.6



#71
Bromoform
Concen: 0.39 ug/l
RT: 12.379 min Scan# 3309
Delta R.T. 0.279 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

Tgt Ion:173 Resp: 1354
Ion Ratio Lower Upper
173 100
175 912.6 24.3 72.8#
254 0.0 0.0 0.0

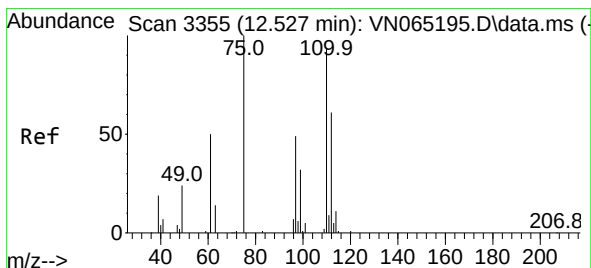
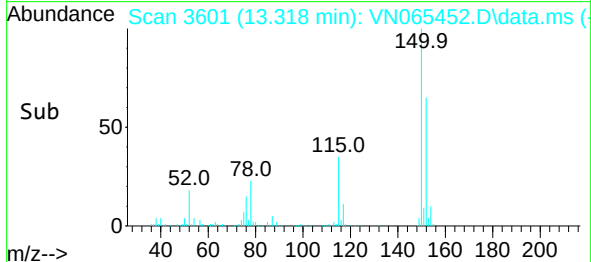
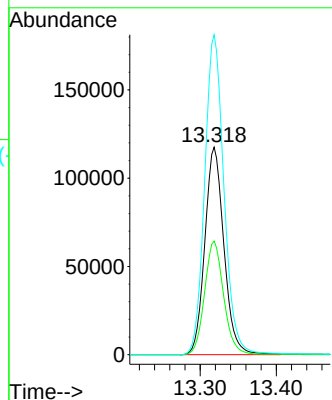
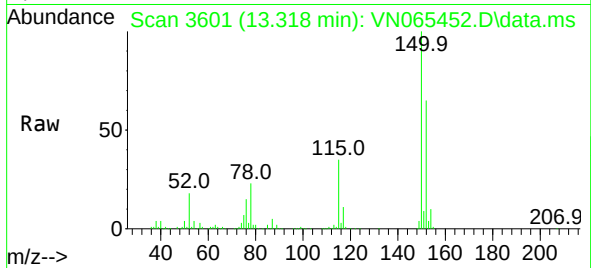




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.318 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: VN065452.D
 Acq: 8 Jan 2021 18:42

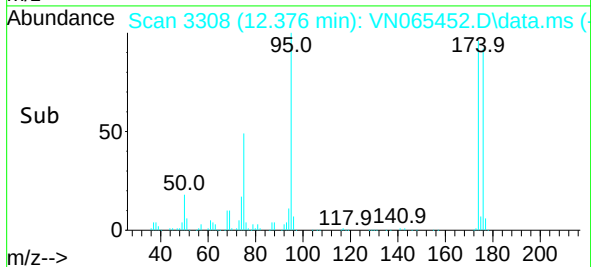
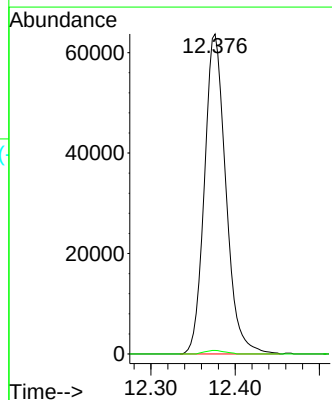
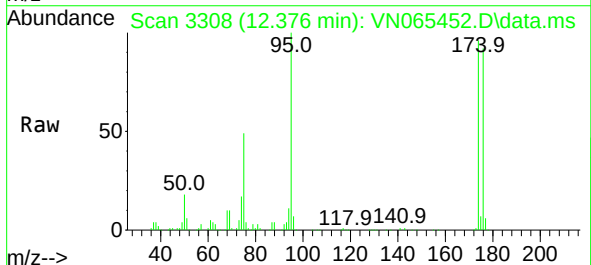
Instrument :
 MSVOA_N
 ClientSampleId :
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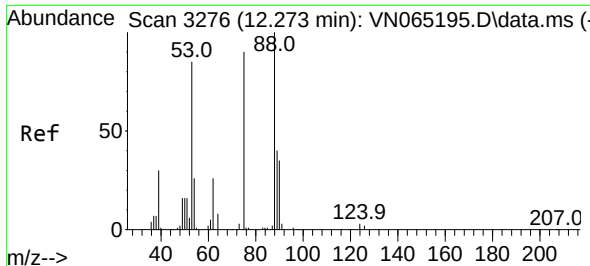
Tgt Ion:152 Resp: 205766
 Ion Ratio Lower Upper
 152 100
 115 54.9 29.7 89.1
 150 155.8 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 26.86 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.151 min
 Lab File: VN065452.D
 Acq: 8 Jan 2021 18:42

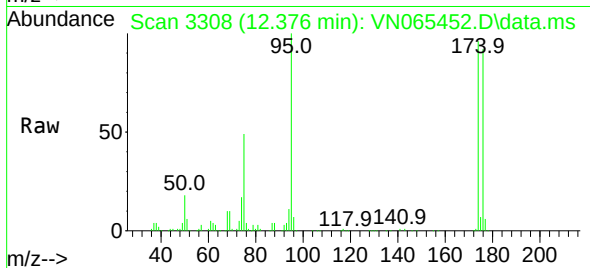
Tgt Ion: 75 Resp: 112765
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



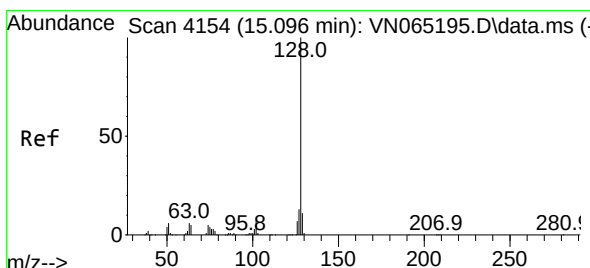
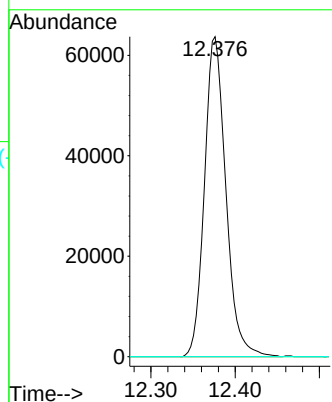
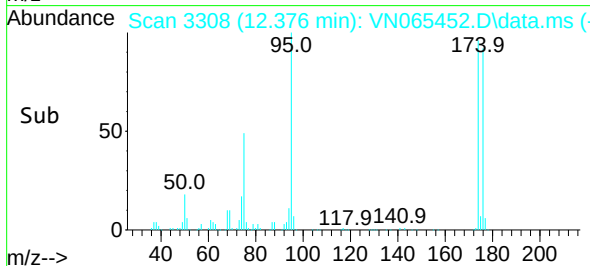


#81
trans-1,4-Dichloro-2-butene
Concen: 67.74 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42

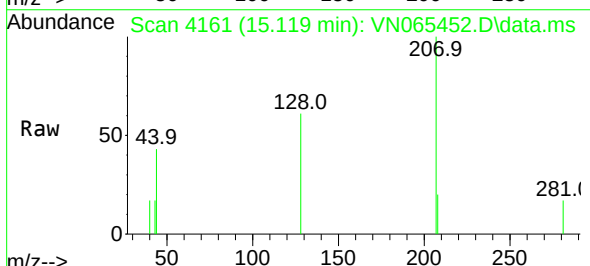
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#04



Tgt Ion: 75 Resp: 112765
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#95
Naphthalene
Concen: 3.48 ug/l
RT: 15.119 min Scan# 4161
Delta R.T. 0.023 min
Lab File: VN065452.D
Acq: 8 Jan 2021 18:42



Tgt Ion: 128 Resp: 1245
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

