

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010821\
 Data File : VN065450.D
 Acq On : 8 Jan 2021 17:53
 Operator : JC/MD
 Sample : PB133969ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133969ZHE#02

Quant Time: Jan 08 22:50:08 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)

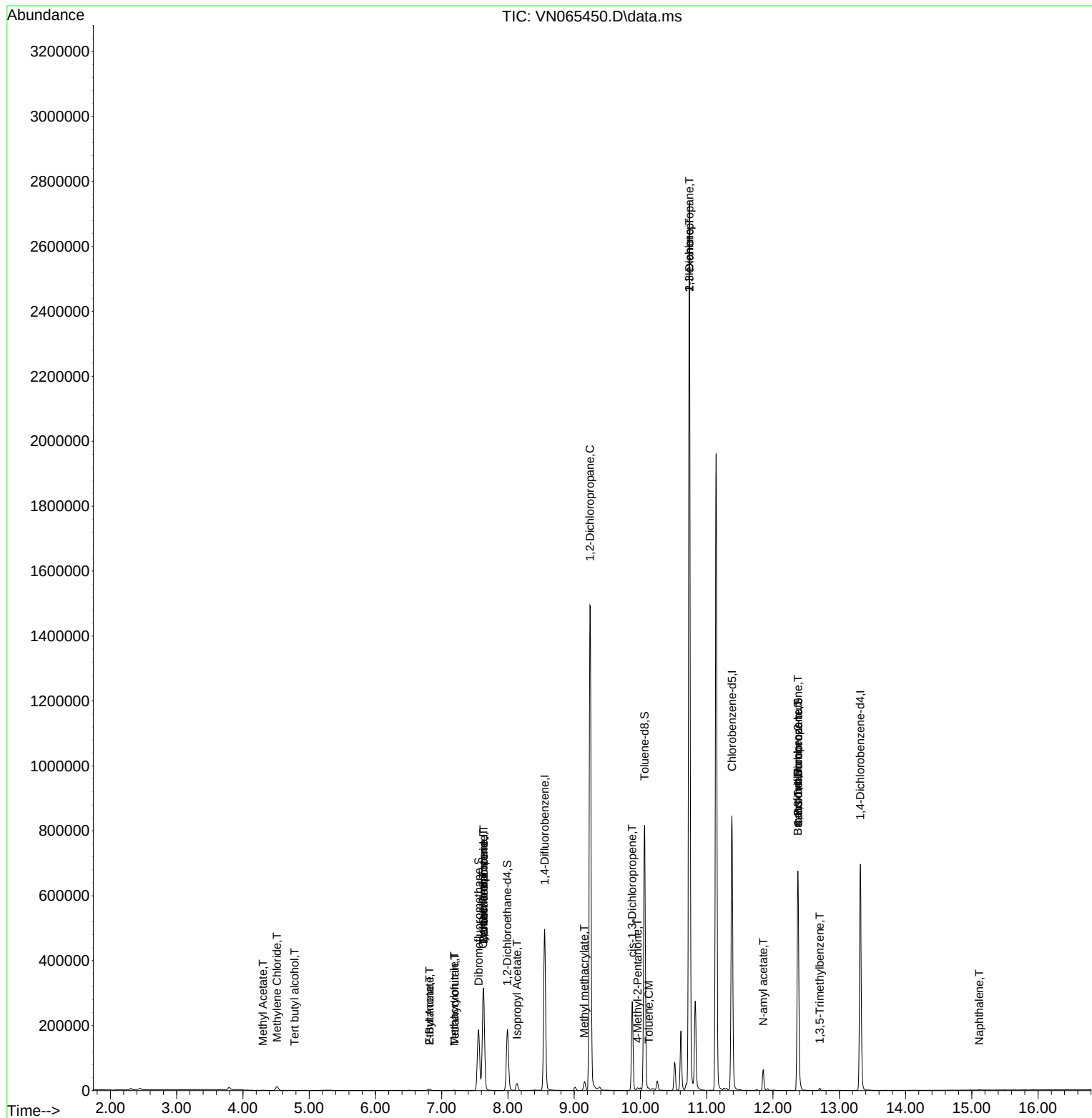
Internal Standards						
1) Pentafluorobenzene	7.630	168	287808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	475156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	525628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	214531	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	164112	50.51	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.02%			
35) Dibromofluoromethane	7.556	113	144187	50.30	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.60%			
50) Toluene-d8	10.061	98	598742	55.73	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 111.46%			
62) 4-Bromofluorobenzene	12.376	95	237986	55.39	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.78%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.778	59	248	0.47	ug/l #	73
16) Acetone	3.791	43	11261	Below Cal		93
18) Methyl Acetate	4.303	43	1745	0.60	ug/l #	57
20) Methylene Chloride	4.515	84	9646	3.04	ug/l	92
25) 2-Butanone	6.814	43	5005	2.74	ug/l	99
29) Tetrahydrofuran	7.196	42	1032	0.87	ug/l #	53
31) Cyclohexane	7.624	56	4814	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	18235	4.22	ug/l #	50
37) Ethyl Acetate	6.814	43	5005	1.17	ug/l #	66
38) Carbon Tetrachloride	7.630	117	24590	5.42	ug/l #	16
41) Methacrylonitrile	7.190	41	642	0.29	ug/l #	22
43) Isopropyl Acetate	8.135	43	26904	3.65	ug/l	96
45) 1,2-Dichloropropane	9.238	63	1730	0.52	ug/l #	43
48) Methyl methacrylate	9.151	41	6523	1.82	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	6071	1.46	ug/l	94
52) Toluene	10.126	92	1860	0.23	ug/l	98
54) cis-1,3-Dichloropropene	9.875	75	50879	8.88	ug/l #	61
57) 1,3-Dichloropropane	10.736	76	29640	5.60	ug/l #	42
59) 2-Hexanone	10.736	43	402626	131.98	ug/l #	49
71) Bromoform	12.373	173	1427	0.40	ug/l #	1
74) N-amyl acetate	11.852	43	19775	3.04	ug/l #	51
76) 1,2,3-Trichloropropane	12.376	75	116599	26.64	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.707	105	4193	0.30	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.376	75	116599	67.18	ug/l #	15
95) Naphthalene	15.112	128	2349	3.57	ug/l #	69

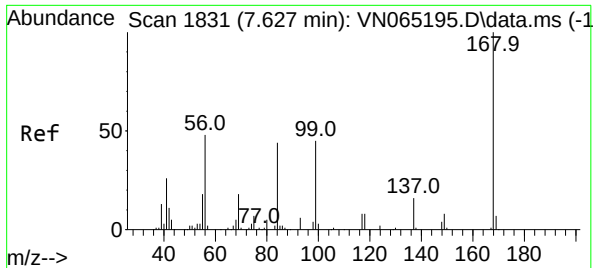
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 22 15:42:18 2020
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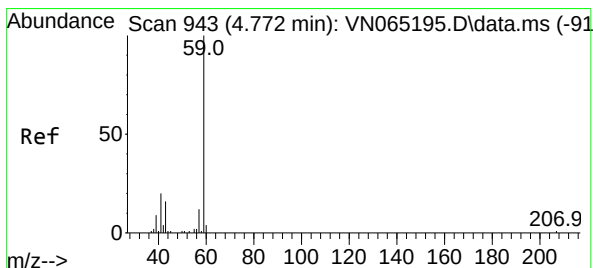
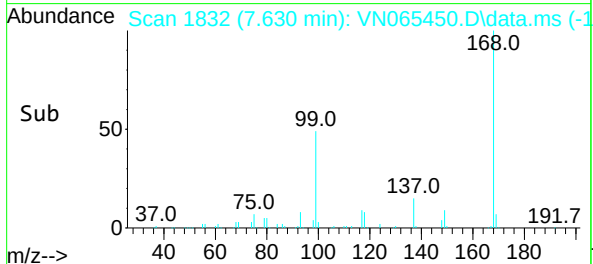
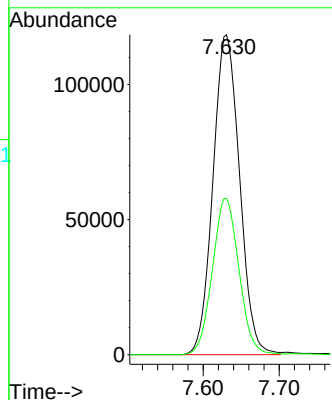
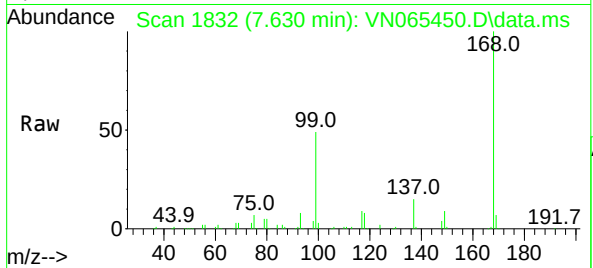




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

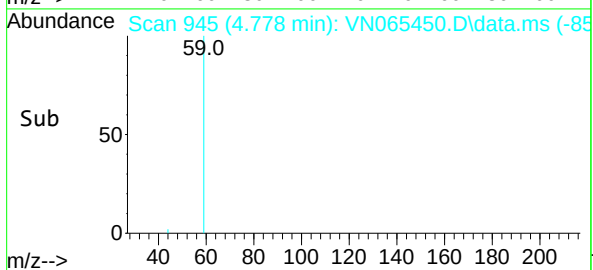
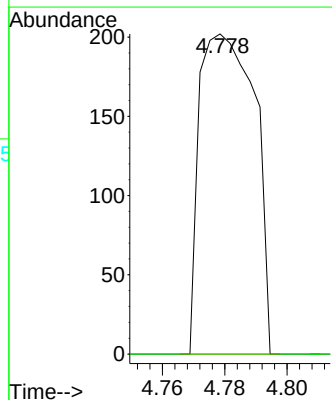
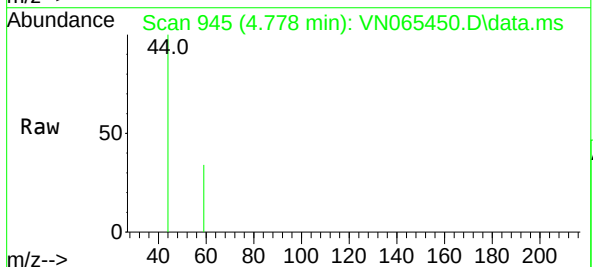
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

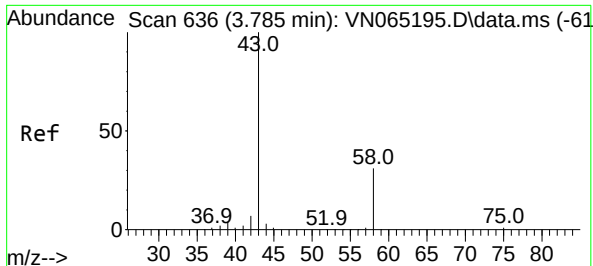
Tgt Ion:168 Resp: 287808
Ion Ratio Lower Upper
168 100
99 48.9 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.47 ug/l
RT: 4.778 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

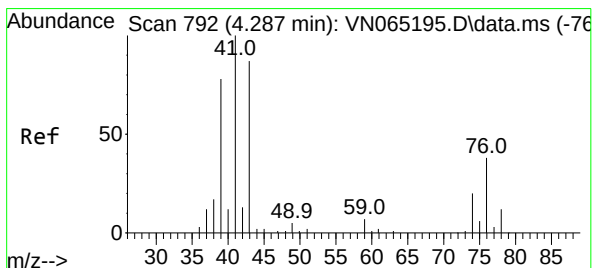
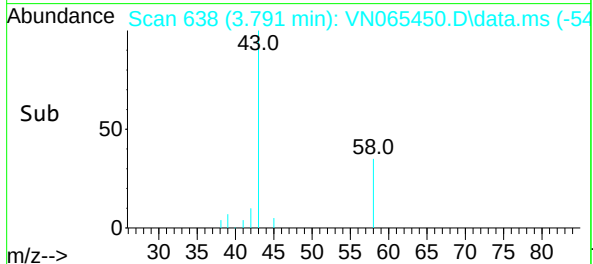
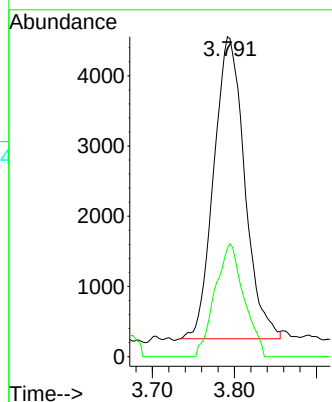
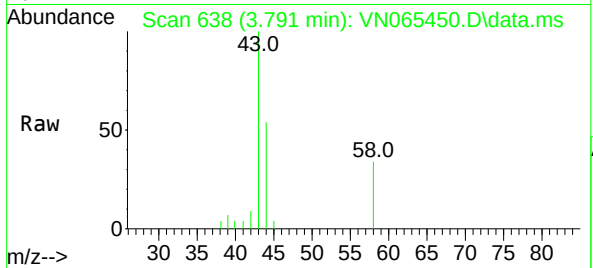




#16
Acetone
Concen: Below Cal
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

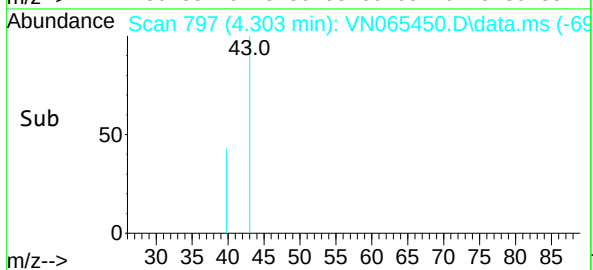
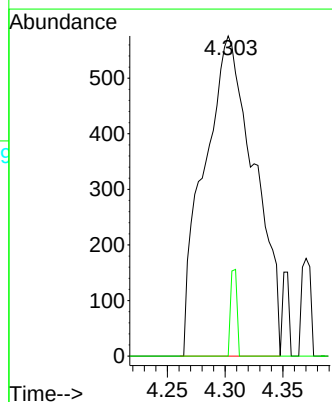
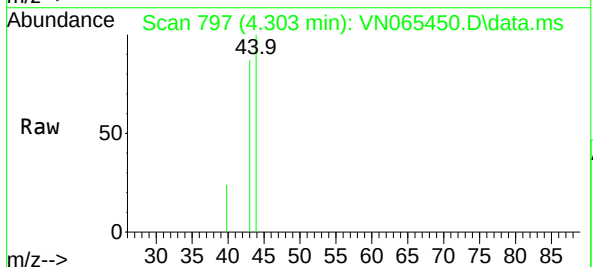
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

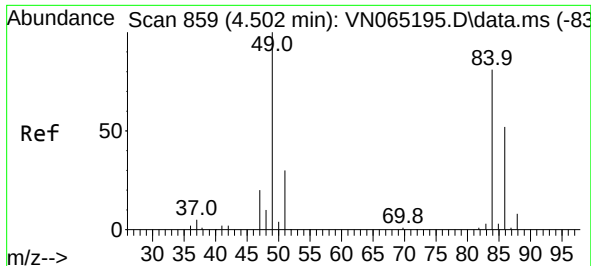
Tgt Ion: 43 Resp: 11261
Ion Ratio Lower Upper
43 100
58 35.8 25.7 38.5



#18
Methyl Acetate
Concen: 0.60 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.016 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
74 3.4 20.2 30.2#



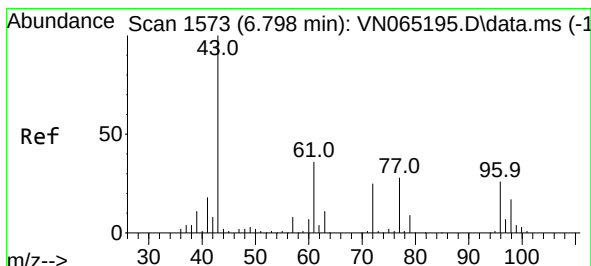
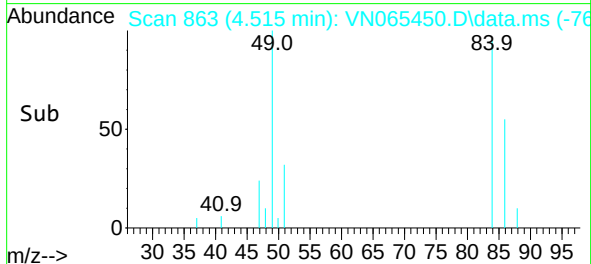
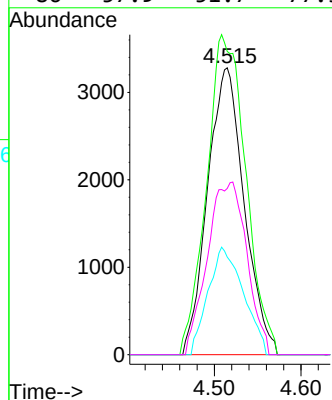
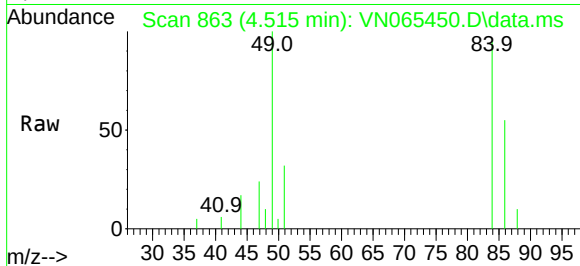


#20
Methylene Chloride
Concen: 3.04 ug/l
RT: 4.515 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

Tgt Ion: 84 Resp: 9646

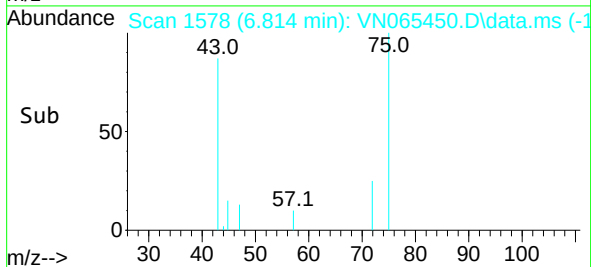
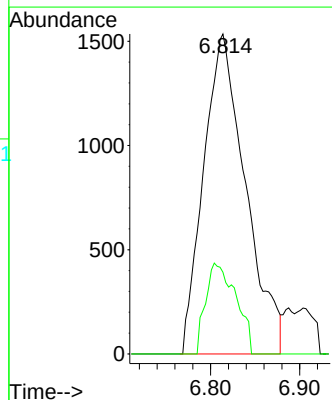
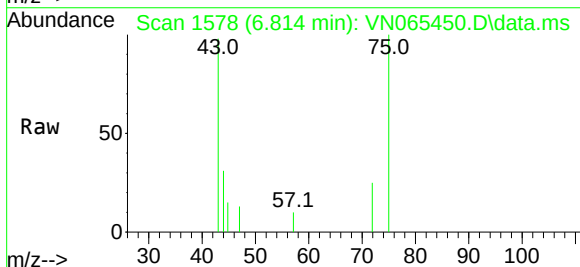
Ion	Ratio	Lower	Upper
84	100		
49	105.7	93.4	140.0
51	34.0	28.2	42.4
86	57.9	51.7	77.5

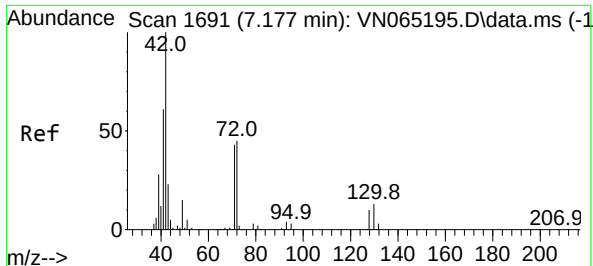


#25
2-Butanone
Concen: 2.74 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Tgt Ion: 43 Resp: 5005

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.87 ug/l

RT: 7.196 min Scan# 1697

Delta R.T. 0.019 min

Lab File: VN065450.D

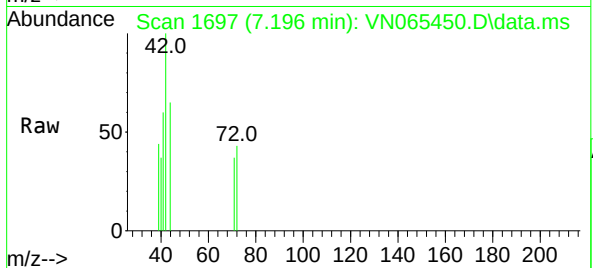
Acq: 8 Jan 2021 17:53

Instrument :

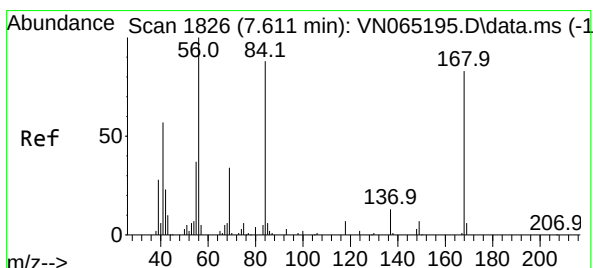
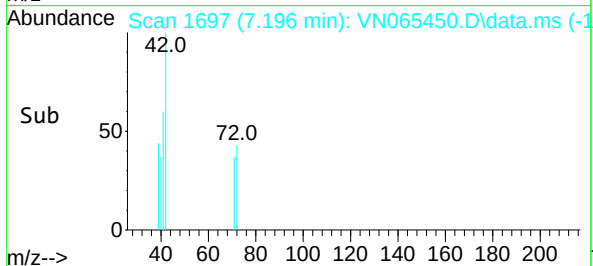
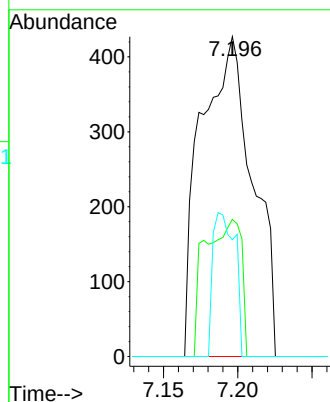
MSVOA_N

ClientSampleId :

PB133969ZHE#02



Tgt Ion:	42	Resp:	1032
Ion	Ratio	Lower	Upper
42	100		
72	8.5	36.6	54.8#
71	19.2	33.6	50.4#



#31

Cyclohexane

Concen: 1.00 ug/l

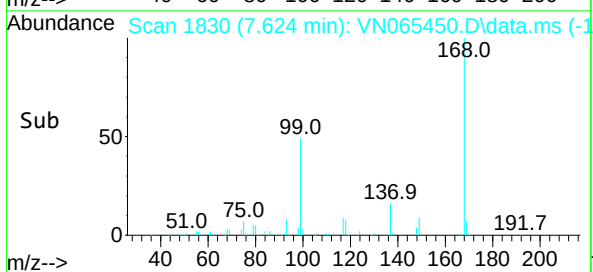
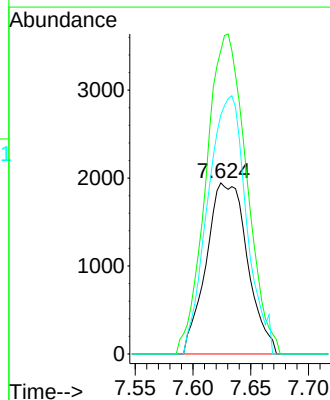
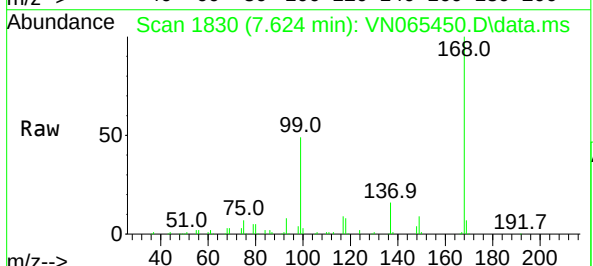
RT: 7.624 min Scan# 1830

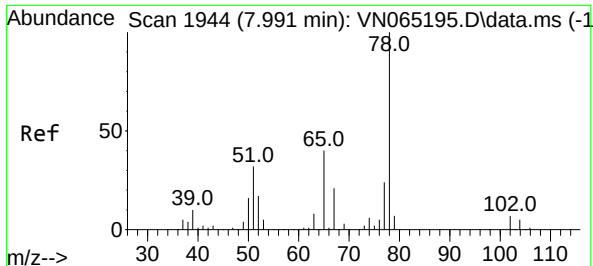
Delta R.T. 0.013 min

Lab File: VN065450.D

Acq: 8 Jan 2021 17:53

Tgt Ion:	56	Resp:	4814
Ion	Ratio	Lower	Upper
56	100		
69	177.4	27.5	41.3#
84	139.9	73.9	110.9#





#33

1,2-Dichloroethane-d4

Concen: 50.51 ug/l

RT: 7.991 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VN065450.D

Acq: 8 Jan 2021 17:53

Tgt Ion: 65 Resp: 164112

Ion Ratio Lower Upper

65 100

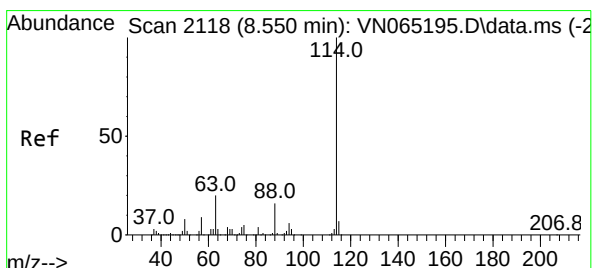
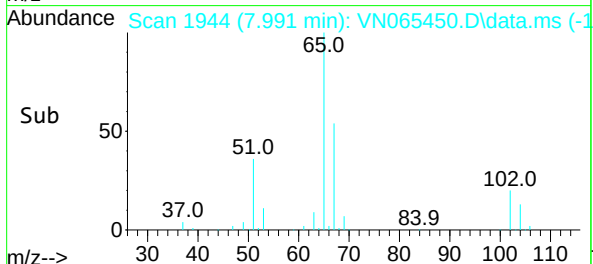
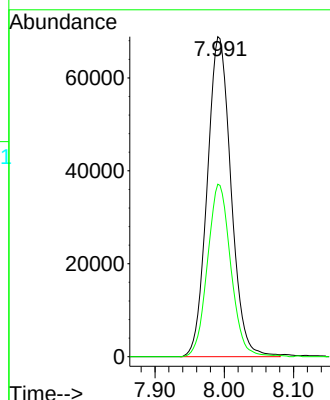
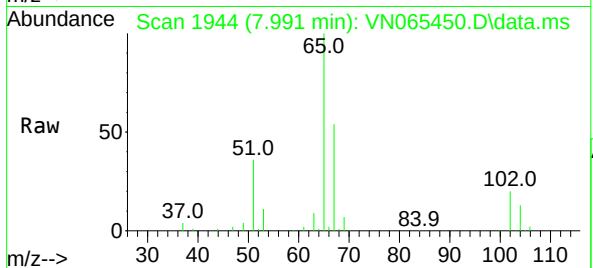
67 52.6 0.0 108.2

Instrument :

MSVOA_N

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PB133969ZHE#02



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. 0.003 min

Lab File: VN065450.D

Acq: 8 Jan 2021 17:53

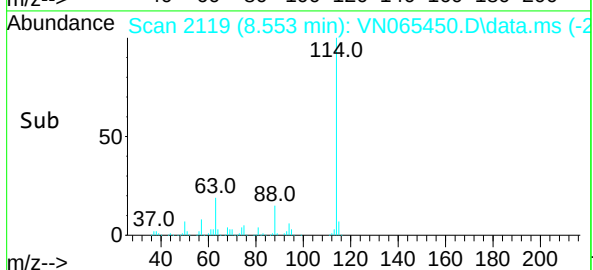
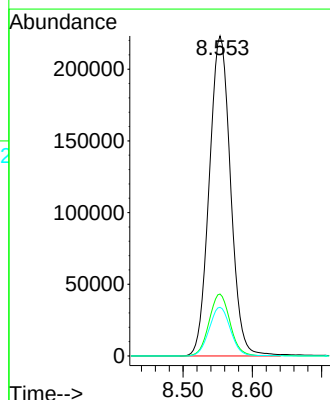
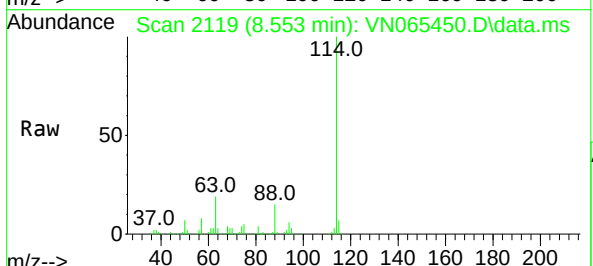
Tgt Ion: 114 Resp: 475156

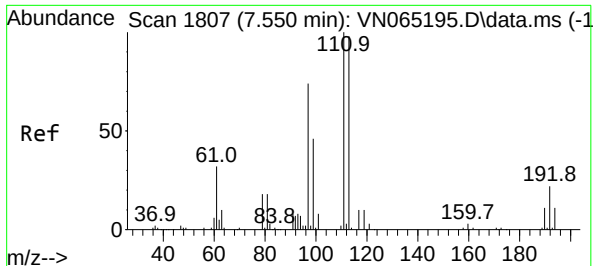
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

88 15.2 0.0 32.6

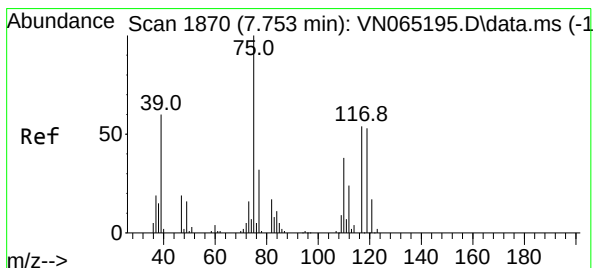
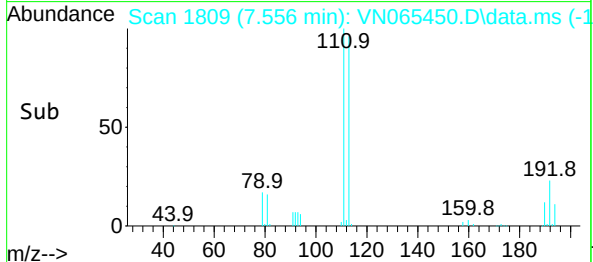
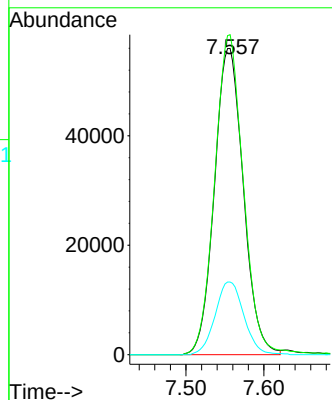
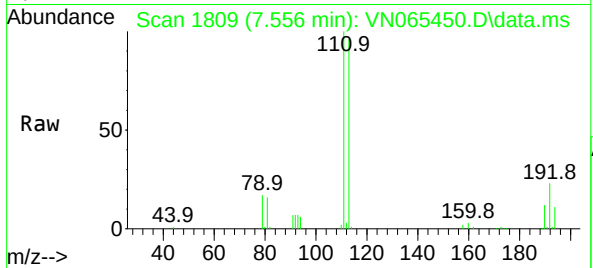




#35
Dibromofluoromethane
Concen: 50.30 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

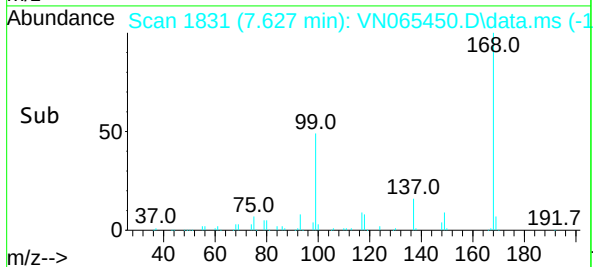
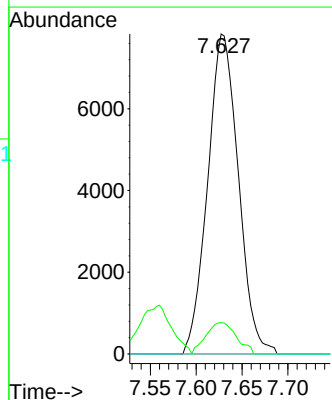
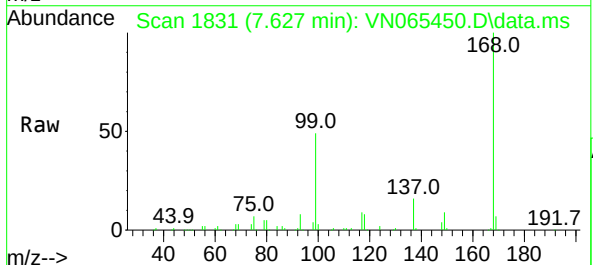
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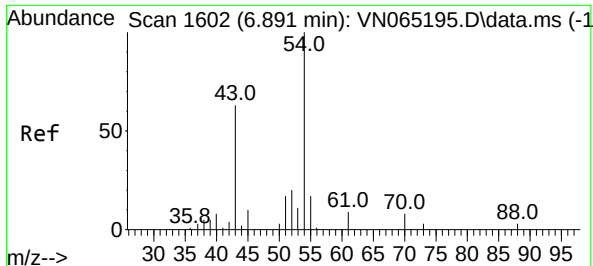
Tgt Ion:113 Resp: 144187
Ion Ratio Lower Upper
113 100
111 103.8 81.6 122.4
192 23.6 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.22 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Tgt Ion: 75 Resp: 18235
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.17 ug/l

RT: 6.814 min Scan# 1578

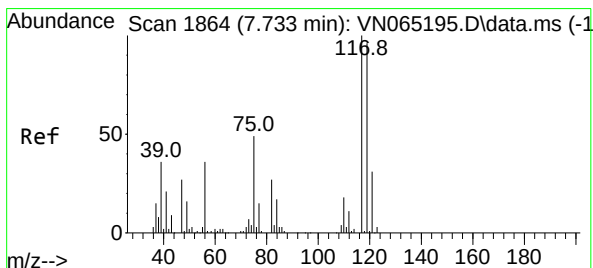
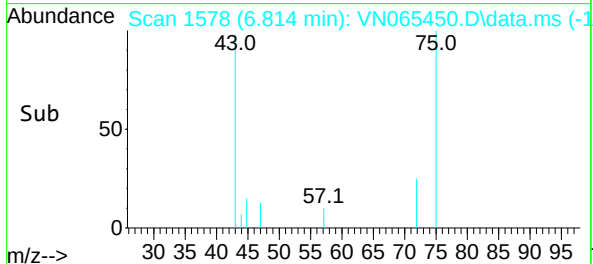
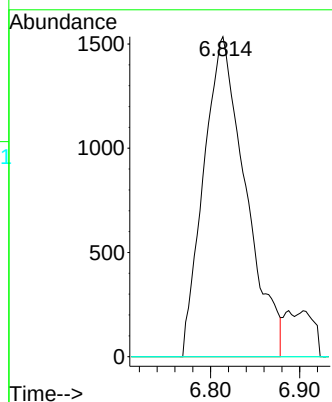
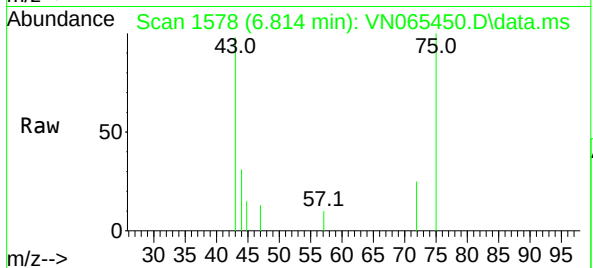
Delta R.T. -0.077 min

Lab File: VN065450.D

Acq: 8 Jan 2021 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

Tgt Ion: 43	Resp: 5005
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.42 ug/l

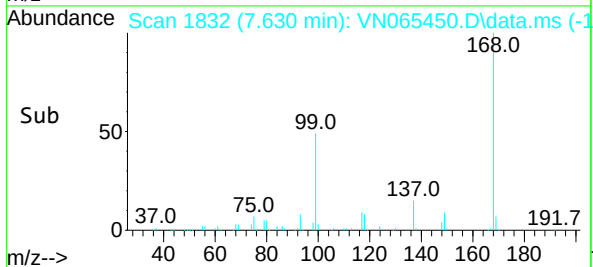
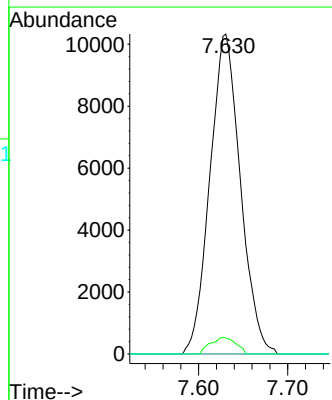
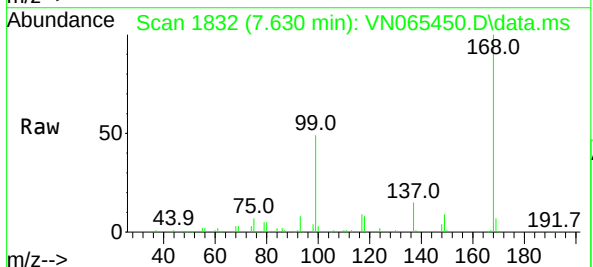
RT: 7.630 min Scan# 1832

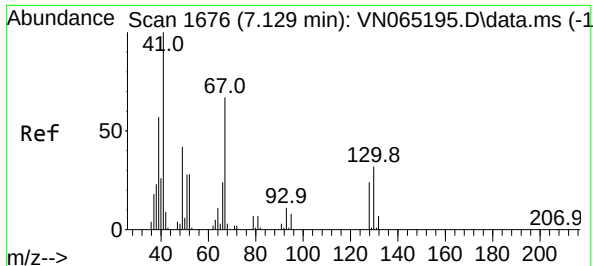
Delta R.T. -0.103 min

Lab File: VN065450.D

Acq: 8 Jan 2021 17:53

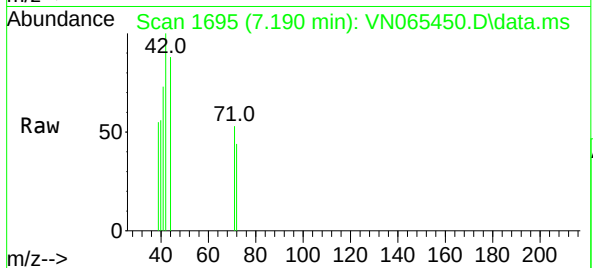
Tgt Ion:117	Resp:	24590	
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.7	115.1#
121	0.0	25.4	38.2#



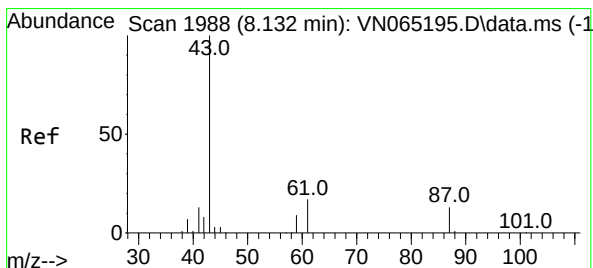
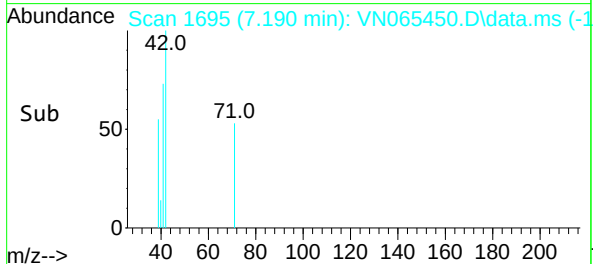
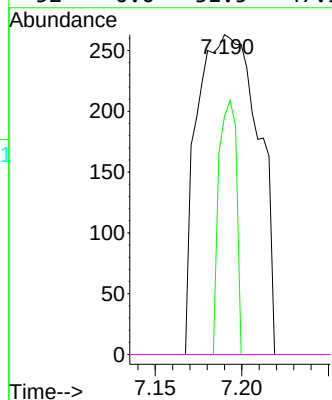


#41
Methacrylonitrile
Concen: 0.29 ug/l
RT: 7.190 min Scan# 1695
Delta R.T. 0.061 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

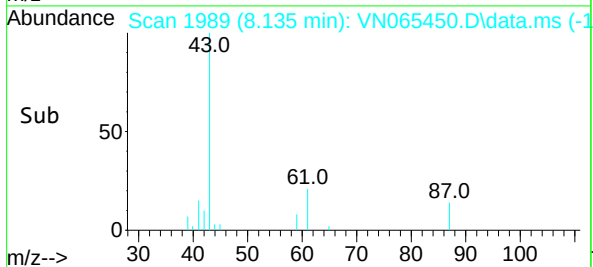
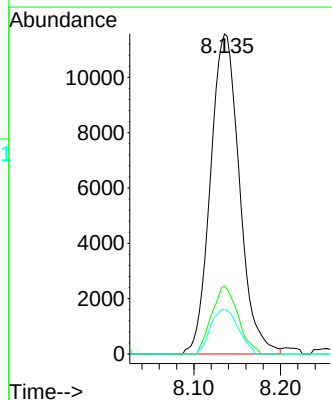
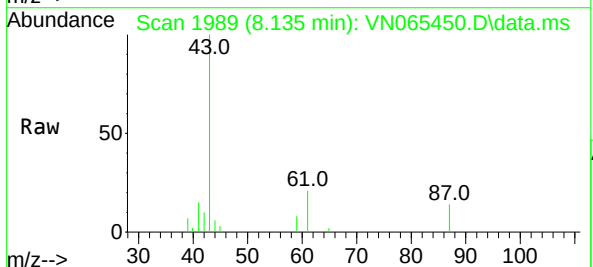


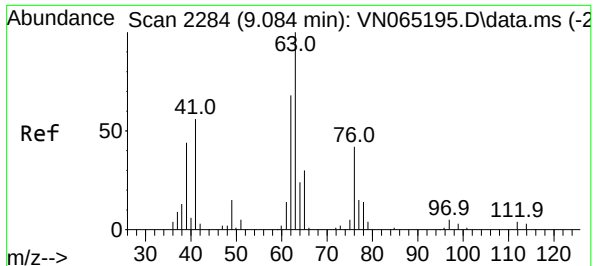
Tgt Ion:	41	Resp:	642
Ion	Ratio	Lower	Upper
41	100		
39	22.7	51.0	76.6#
67	0.0	79.8	119.8#
52	0.0	31.5	47.3#



#43
Isopropyl Acetate
Concen: 3.65 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Tgt Ion:	43	Resp:	26904
Ion	Ratio	Lower	Upper
43	100		
61	19.3	17.2	25.8
87	13.3	11.4	17.0



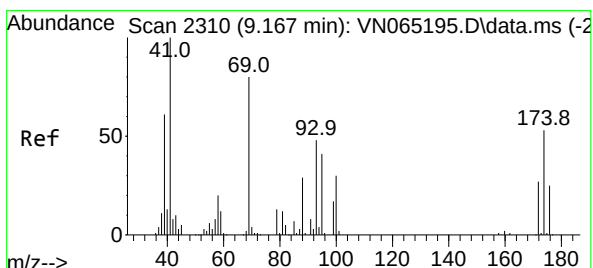
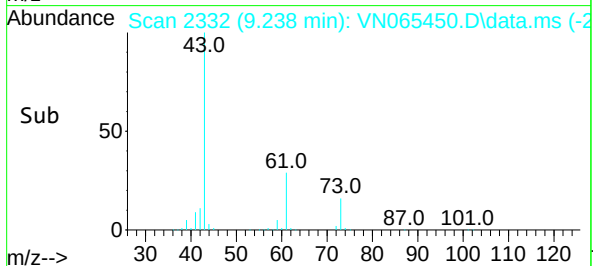
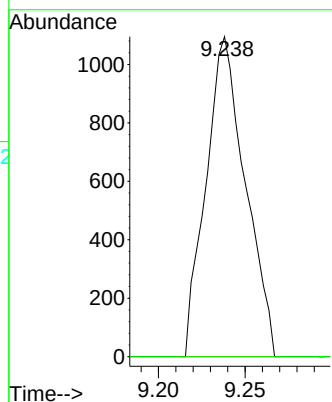
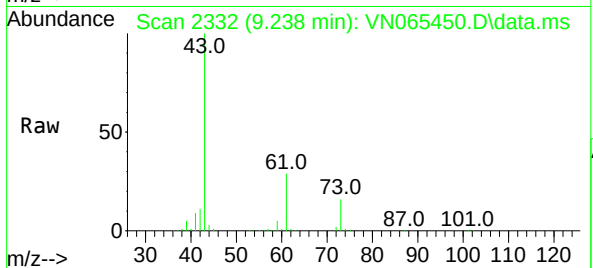


#45

1,2-Dichloropropane
Concen: 0.52 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

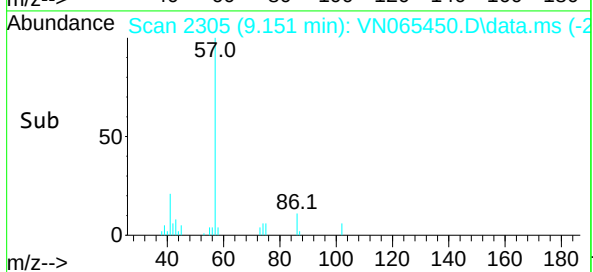
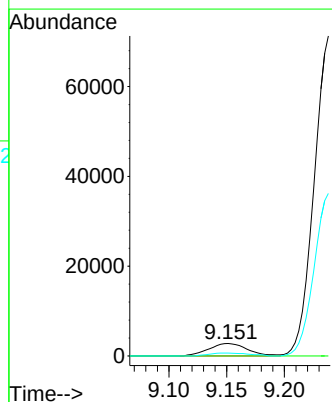
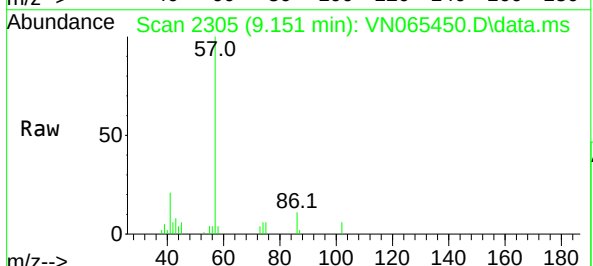
Tgt Ion: 63 Resp: 1730
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#

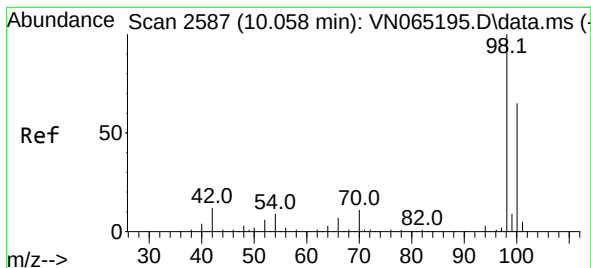


#48

Methyl methacrylate
Concen: 1.82 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Tgt Ion: 41 Resp: 6523
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

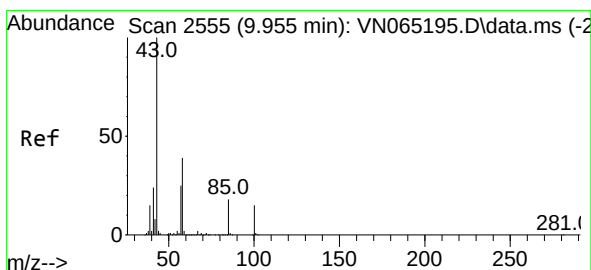
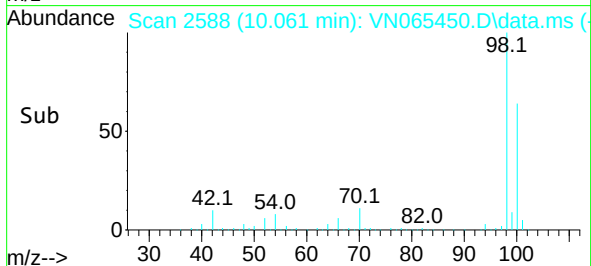
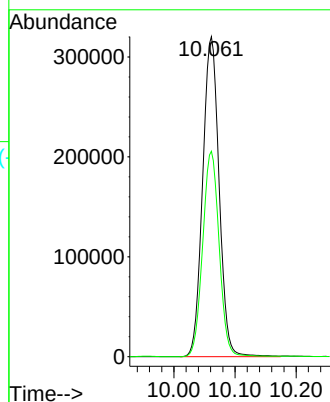
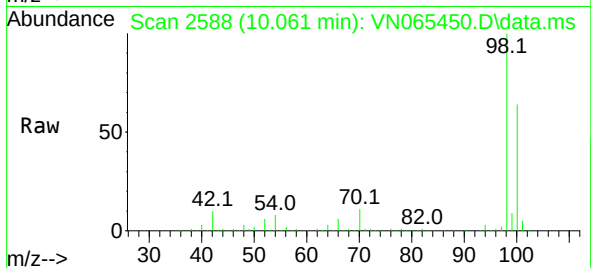




#50
Toluene-d8
Concen: 55.73 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

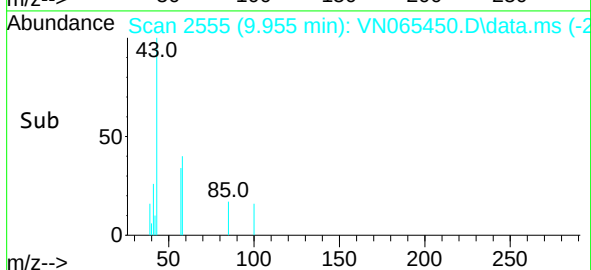
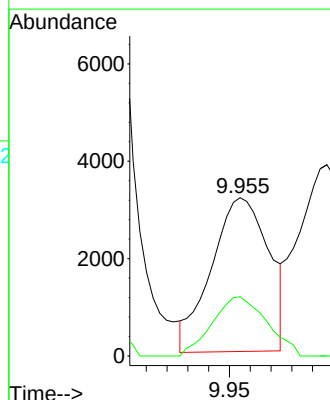
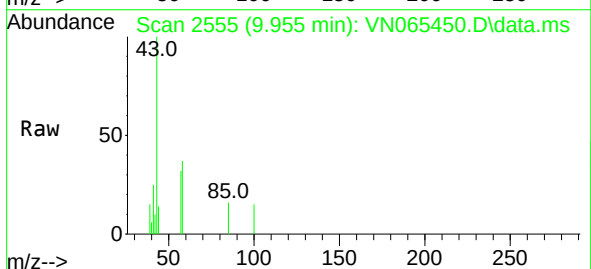
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

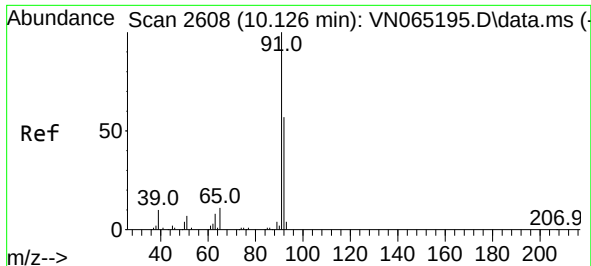
Tgt Ion: 98 Resp: 598742
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.46 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Tgt Ion: 43 Resp: 6071
Ion Ratio Lower Upper
43 100
58 36.5 32.4 48.6

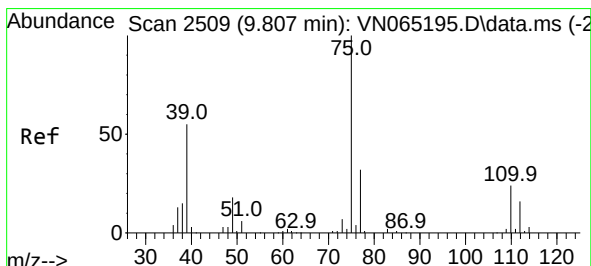
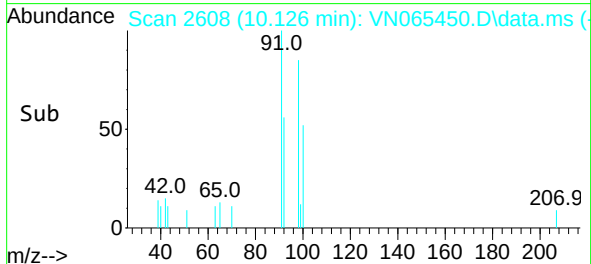
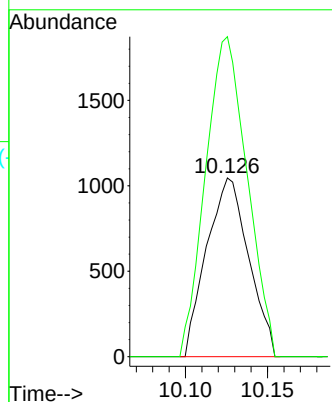
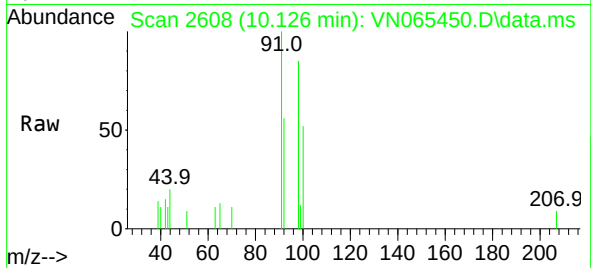




#52
Toluene
Concen: 0.23 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

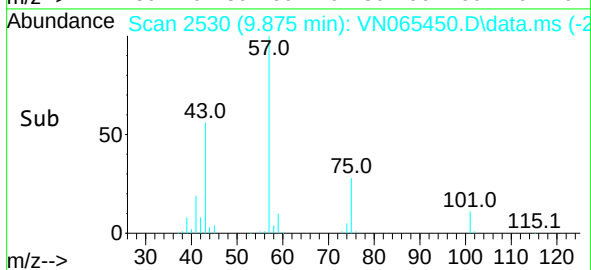
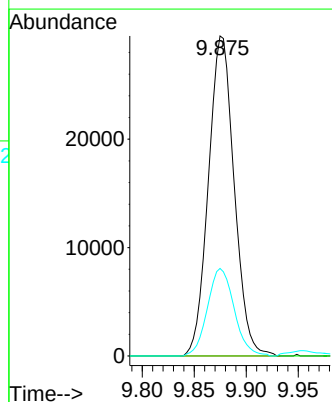
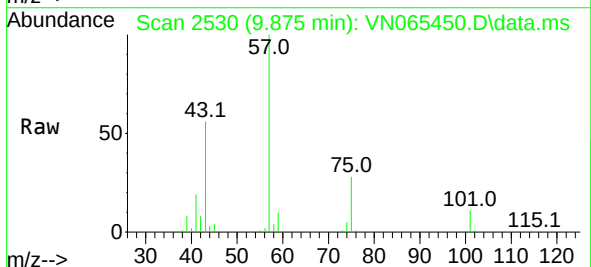
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

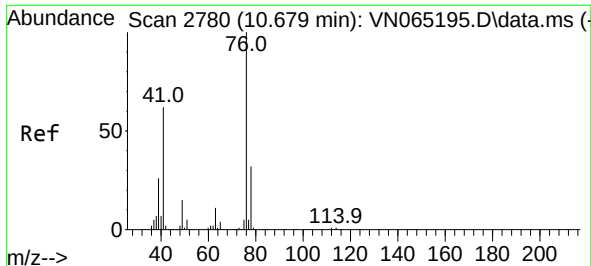
Tgt Ion: 92 Resp: 1860
Ion Ratio Lower Upper
92 100
91 177.0 139.1 208.7



#54
cis-1,3-Dichloropropene
Concen: 8.88 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Tgt Ion: 75 Resp: 50879
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 27.3 35.6 53.4#

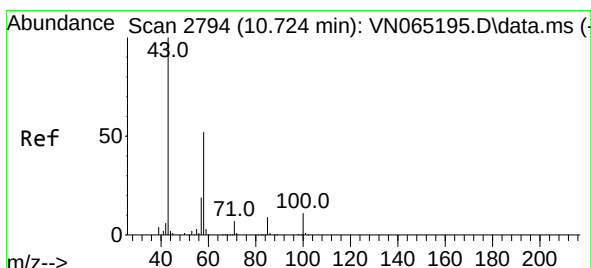
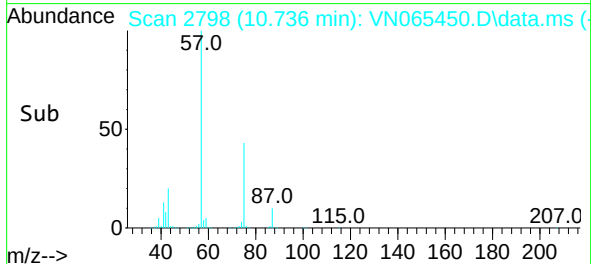
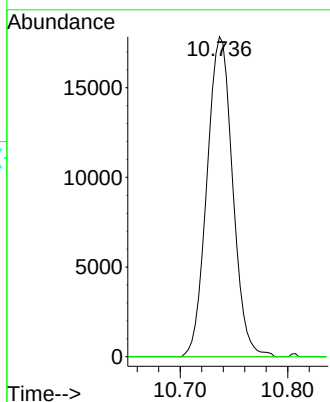
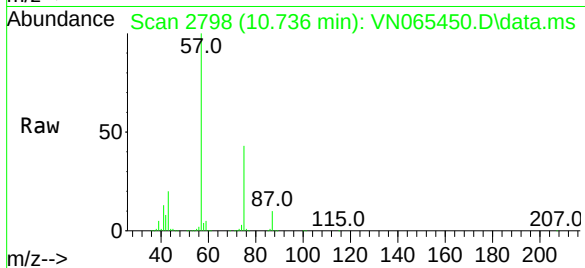




#57
1,3-Dichloropropane
Concen: 5.60 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

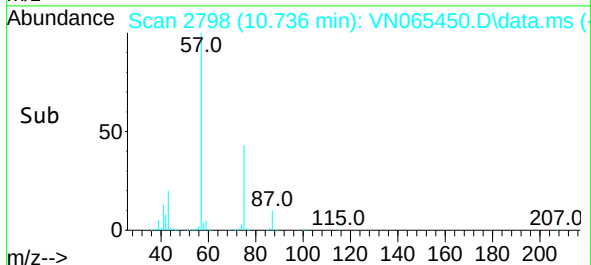
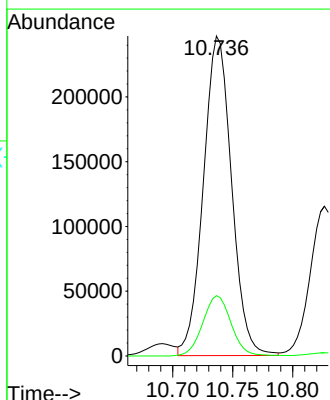
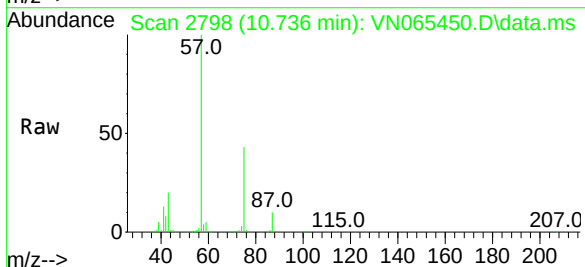
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

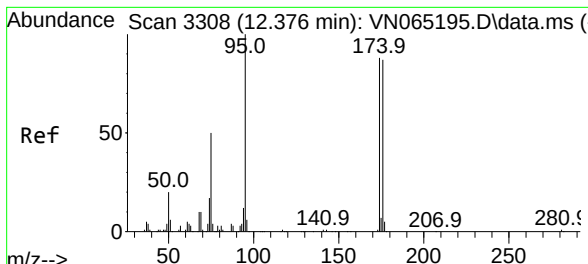
Tgt Ion: 76 Resp: 29640
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 131.98 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

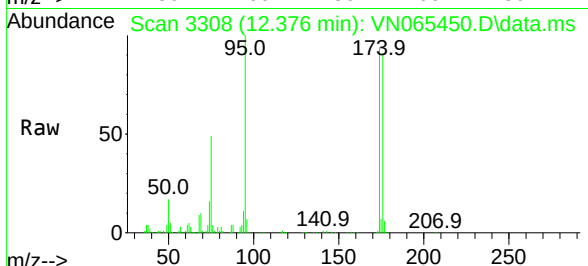
Tgt Ion: 43 Resp: 402626
Ion Ratio Lower Upper
43 100
58 19.1 28.3 84.9#



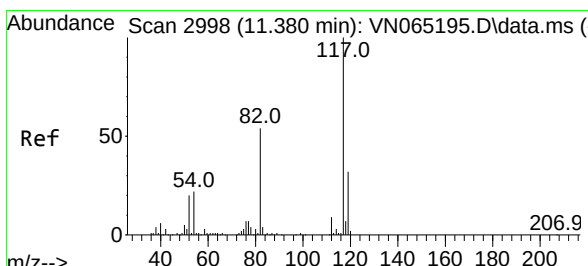
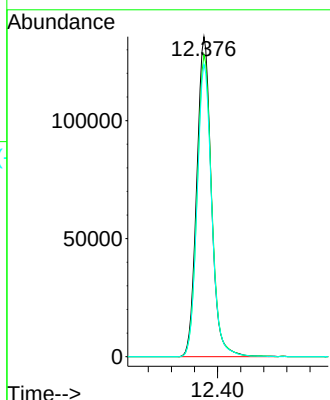
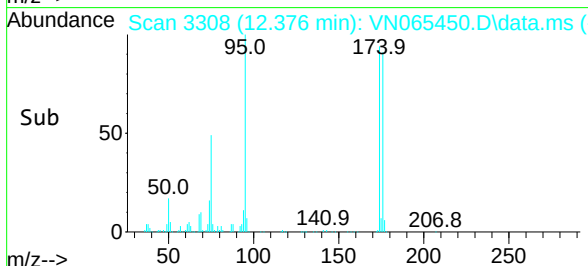


#62
 4-Bromofluorobenzene
 Concen: 55.39 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.000 min
 Lab File: VN065450.D
 Acq: 8 Jan 2021 17:53

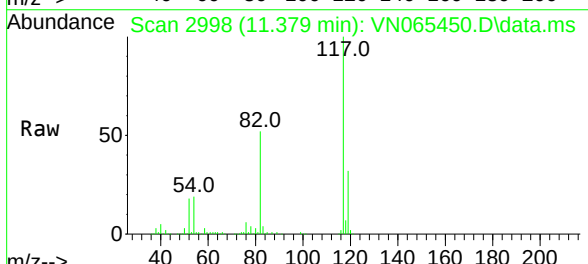
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133969ZHE#02



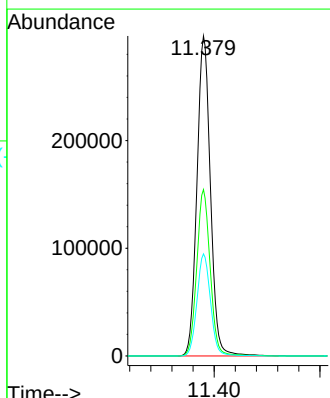
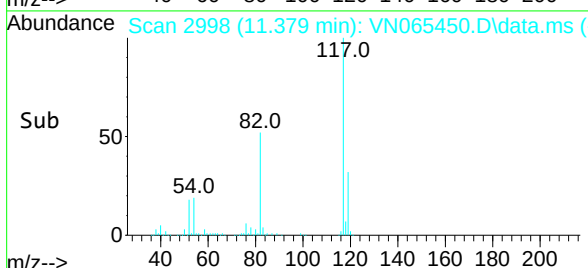
Tgt Ion:	95	Resp:	237986
Ion Ratio	Lower	Upper	
95	100		
174	94.2	0.0	160.4
176	91.2	0.0	158.4

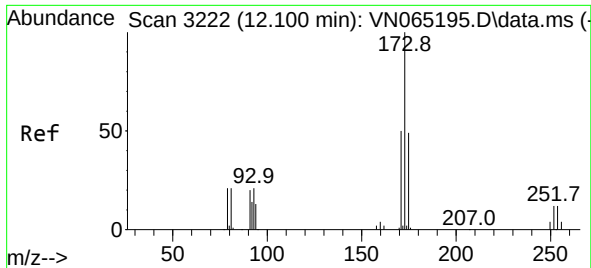


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.379 min Scan# 2998
 Delta R.T. -0.001 min
 Lab File: VN065450.D
 Acq: 8 Jan 2021 17:53



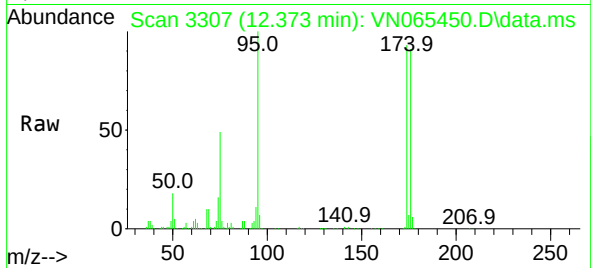
Tgt Ion:	117	Resp:	525628
Ion Ratio	Lower	Upper	
117	100		
82	52.0	44.2	66.2
119	31.9	25.8	38.6



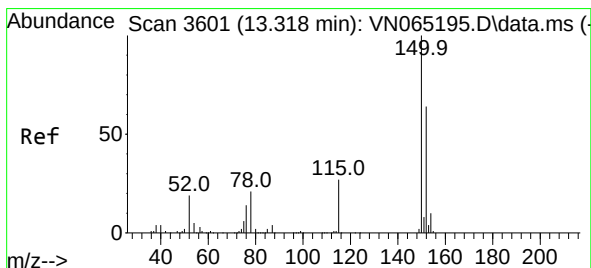
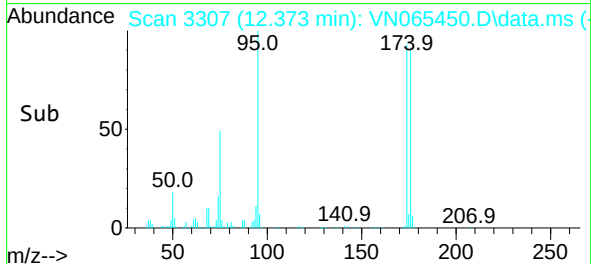
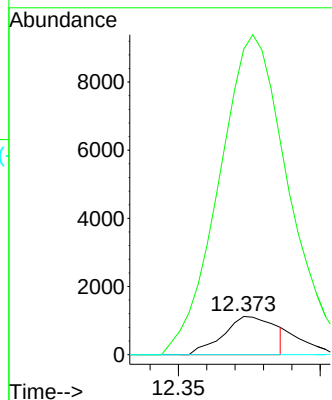


#71
Bromoform
Concen: 0.40 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

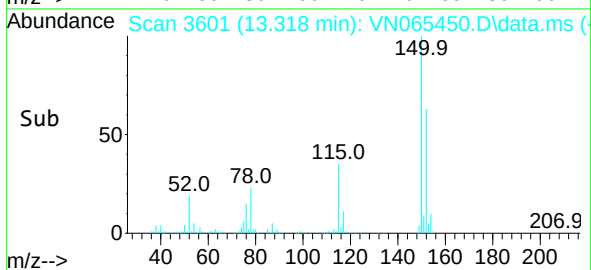
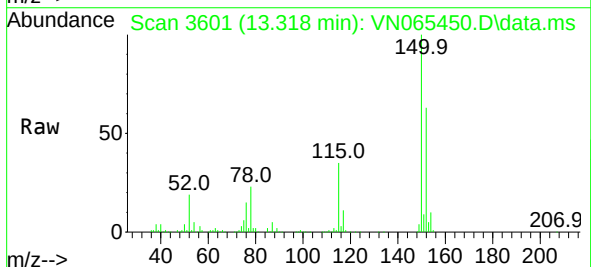
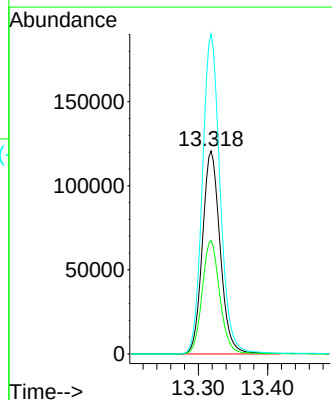


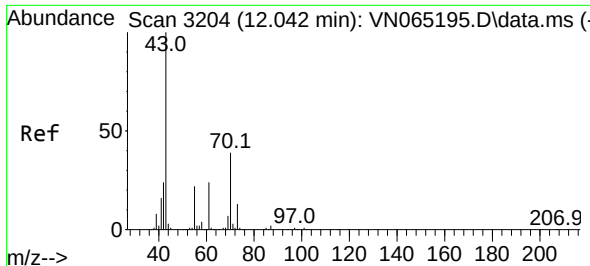
Tgt Ion:173 Resp: 1427
Ion Ratio Lower Upper
173 100
175 914.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

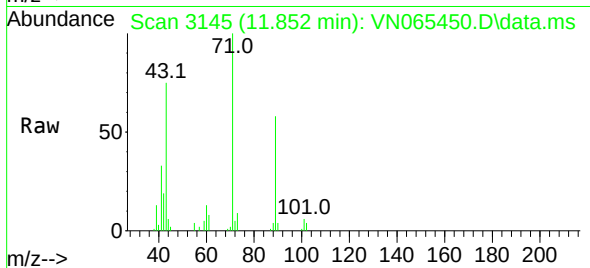
Tgt Ion:152 Resp: 214531
Ion Ratio Lower Upper
152 100
115 55.5 29.7 89.1
150 157.7 0.0 350.6





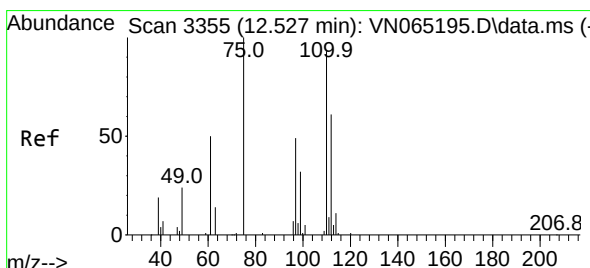
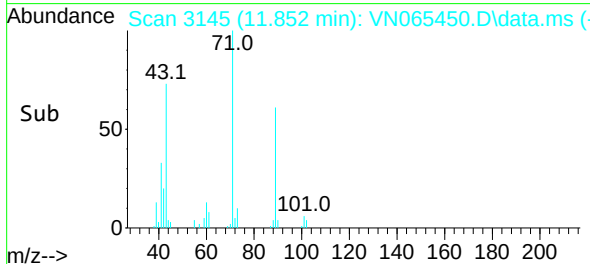
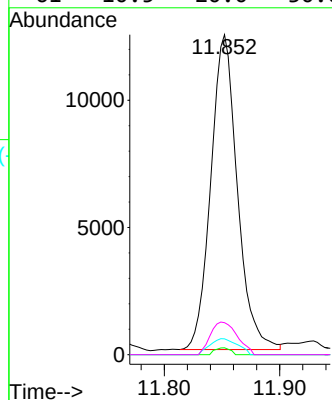
#74
N-amy1 acetate
Concen: 3.04 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.190 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02



Tgt Ion: 43 Resp: 19775

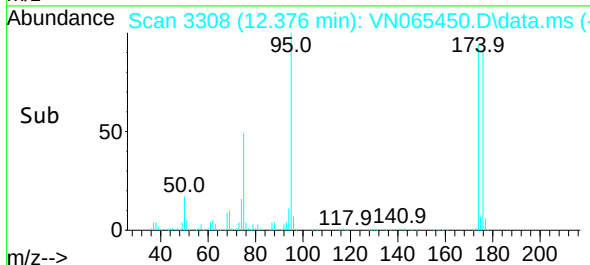
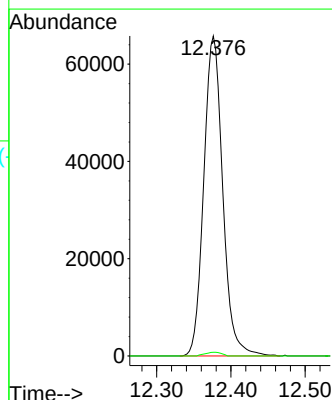
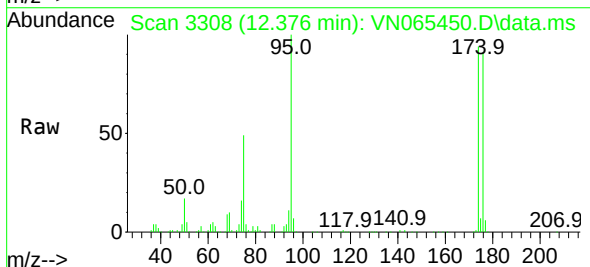
Ion	Ratio	Lower	Upper
43	100		
70	1.3	34.5	51.7#
55	5.3	20.4	30.6#
61	10.5	20.0	30.0#

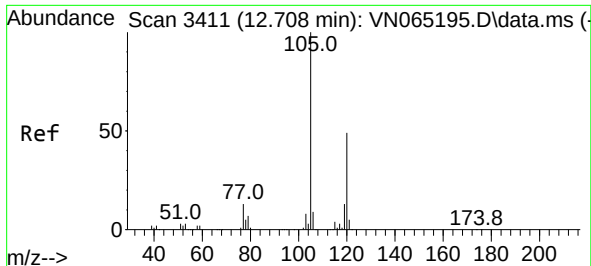


#76
1,2,3-Trichloropropane
Concen: 26.64 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Tgt Ion: 75 Resp: 116599

Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

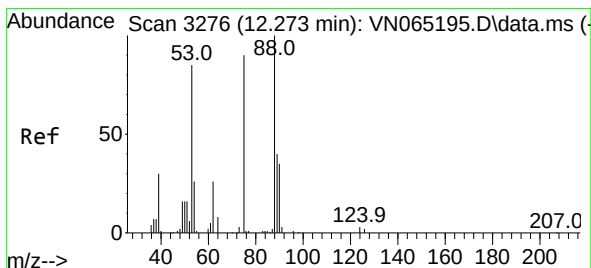
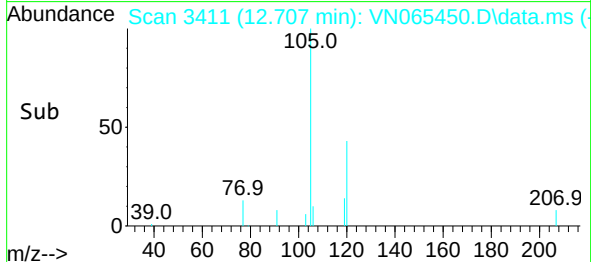
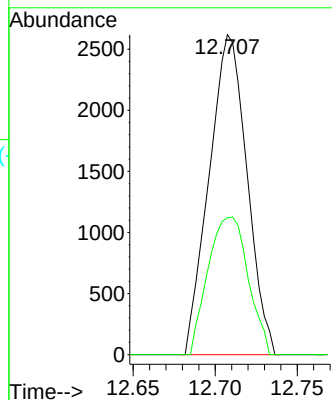
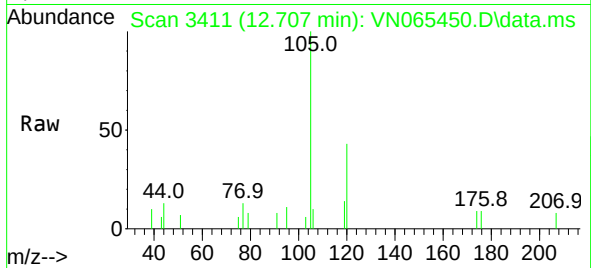




#80
1,3,5-Trimethylbenzene
Concen: 0.30 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. -0.001 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

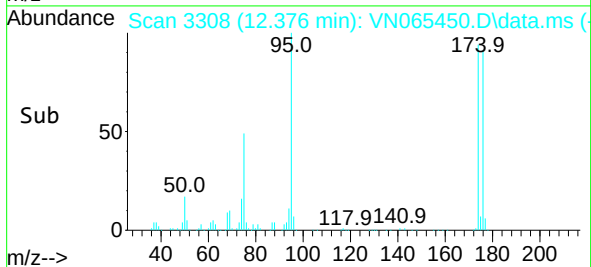
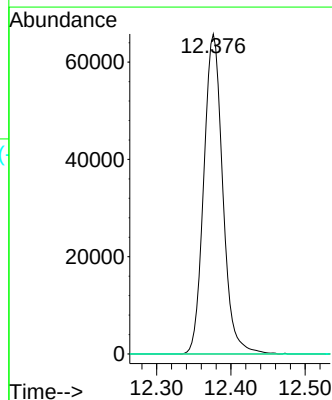
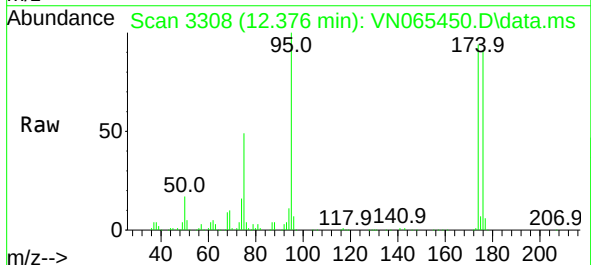
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02

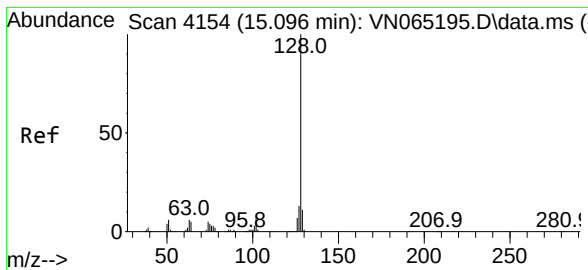
Tgt Ion:105 Resp: 4193
Ion Ratio Lower Upper
105 100
120 45.6 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 67.18 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

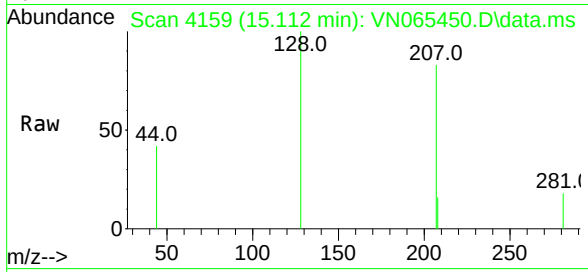
Tgt Ion: 75 Resp: 116599
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
Naphthalene
Concen: 3.57 ug/l
RT: 15.112 min Scan# 4159
Delta R.T. 0.016 min
Lab File: VN065450.D
Acq: 8 Jan 2021 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#02



Tgt Ion:128 Resp: 2349
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

