

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010821\
 Data File : VN065451.D
 Acq On : 8 Jan 2021 18:18
 Operator : JC/MD
 Sample : PB133969ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133969ZHE#03

Quant Time: Jan 08 22:50:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

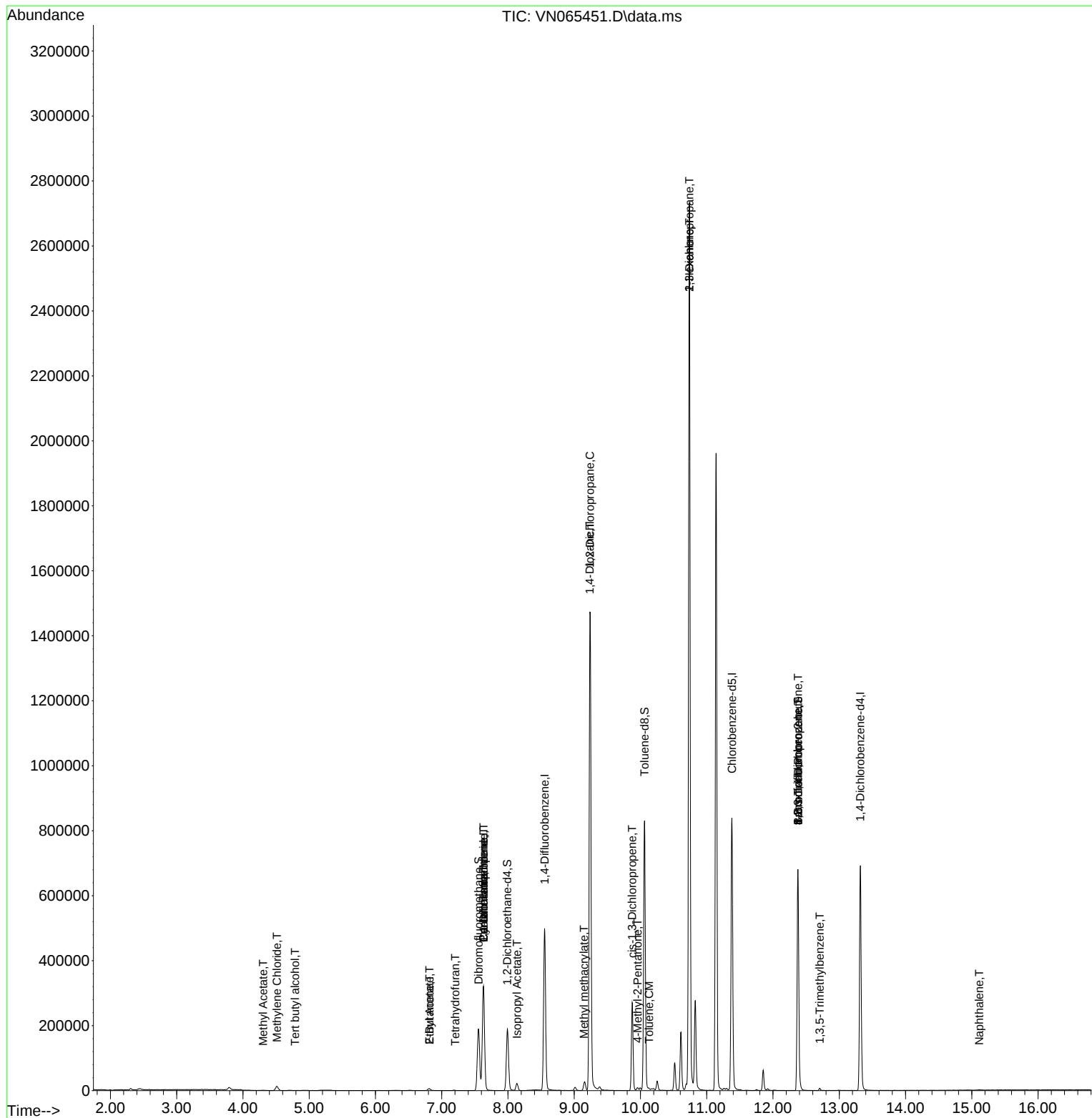
Internal Standards						
1) Pentafluorobenzene	7.630	168	289043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	476252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	524915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	214140	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	167249	51.25	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.50%			
35) Dibromofluoromethane	7.557	113	147713	51.41	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.82%			
50) Toluene-d8	10.061	98	605086	56.19	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 112.38%			
62) 4-Bromofluorobenzene	12.376	95	239301	55.56	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.12%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.788	59	292	0.55	ug/l #	73
16) Acetone	3.791	43	11406	Below Cal		100
18) Methyl Acetate	4.306	43	1482	0.51	ug/l #	50
20) Methylene Chloride	4.515	84	9615	3.02	ug/l	94
25) 2-Butanone	6.814	43	5181	2.83	ug/l #	90
29) Tetrahydrofuran	7.203	42	1268	1.07	ug/l #	60
31) Cyclohexane	7.630	56	4788	0.99	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	17744	4.10	ug/l #	49
37) Ethyl Acetate	6.814	43	5181	1.21	ug/l #	66
38) Carbon Tetrachloride	7.630	117	24756	5.44	ug/l #	15
43) Isopropyl Acetate	8.135	43	27228	3.68	ug/l	96
45) 1,2-Dichloropropane	9.238	63	1772	0.53	ug/l #	43
48) Methyl methacrylate	9.148	41	6868	1.91	ug/l #	12
49) 1,4-Dioxane	9.235	88	29	0.50	ug/l #	1
51) 4-Methyl-2-Pentanone	9.955	43	6689	1.61	ug/l	87
52) Toluene	10.129	92	1794	0.22	ug/l	99
54) cis-1,3-Dichloropropene	9.875	75	49787	8.67	ug/l #	63
57) 1,3-Dichloropropane	10.736	76	29503	5.57	ug/l #	42
59) 2-Hexanone	10.736	43	393621	128.73	ug/l #	49
71) Bromoform	12.376	173	1256	0.35	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	116581	26.69	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.707	105	3792	0.27	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.376	75	116581	67.29	ug/l #	15
95) Naphthalene	15.113	128	1628	3.51	ug/l #	72

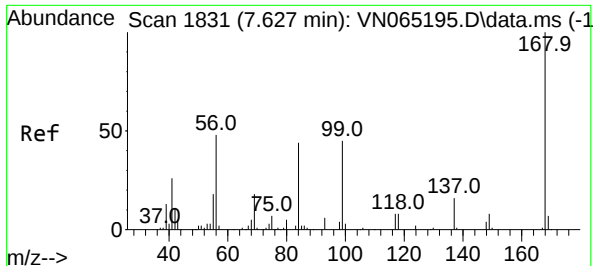
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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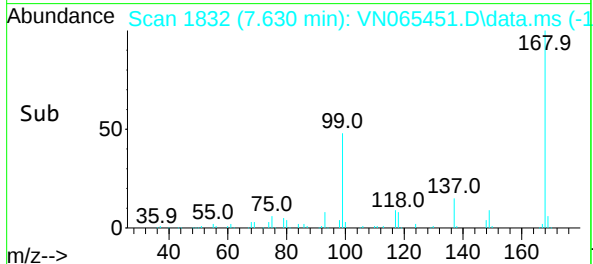
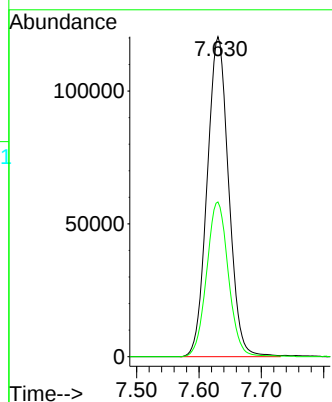
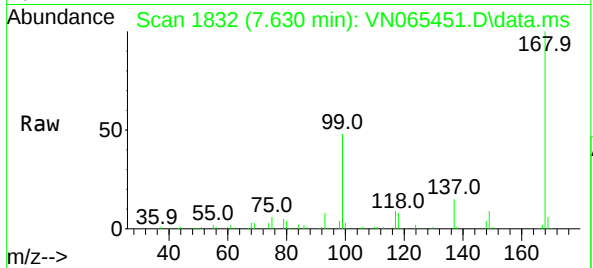




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

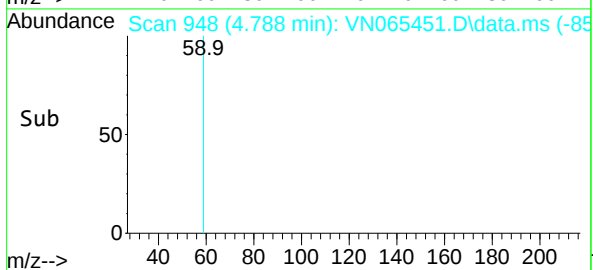
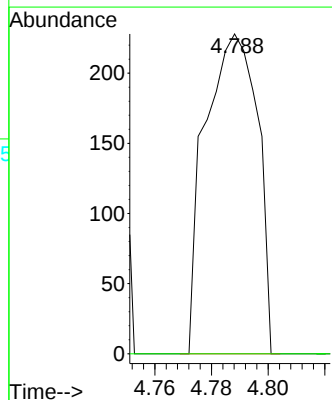
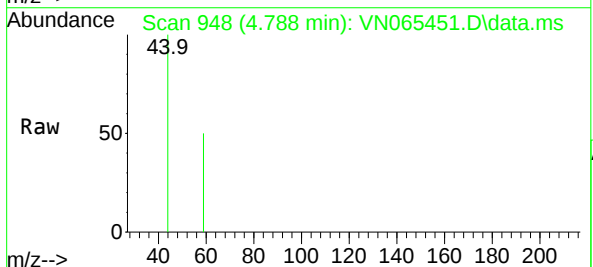
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

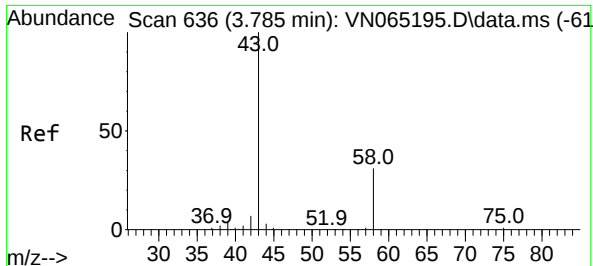
Tgt Ion:168 Resp: 289043
Ion Ratio Lower Upper
168 100
99 48.4 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.55 ug/l
RT: 4.788 min Scan# 948
Delta R.T. 0.016 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

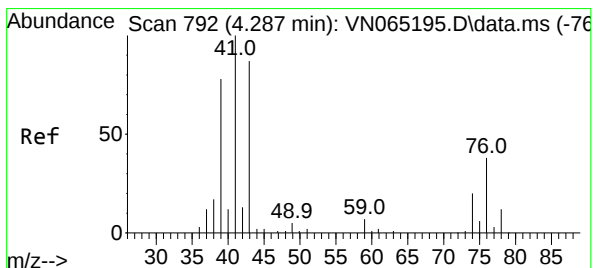
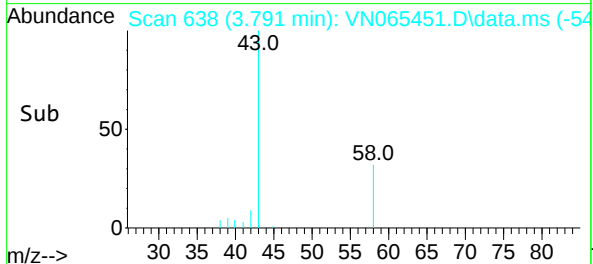
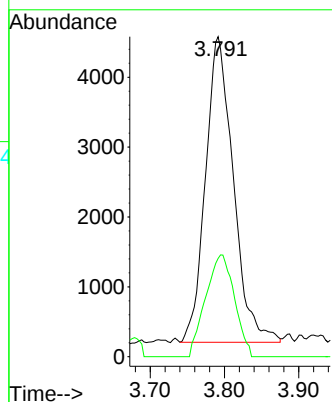
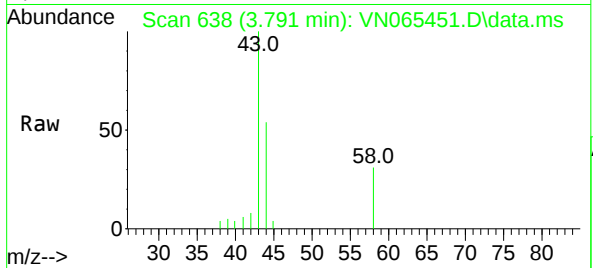




#16
Acetone
Concen: Below Cal
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

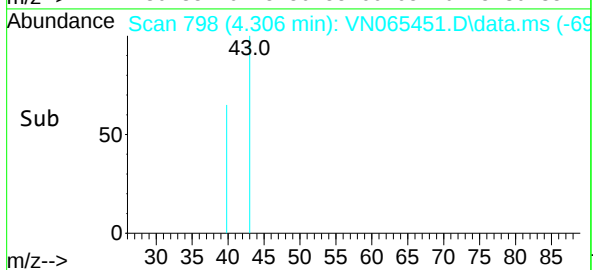
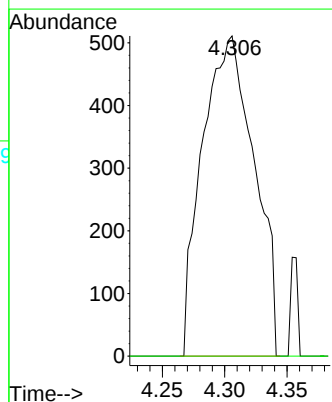
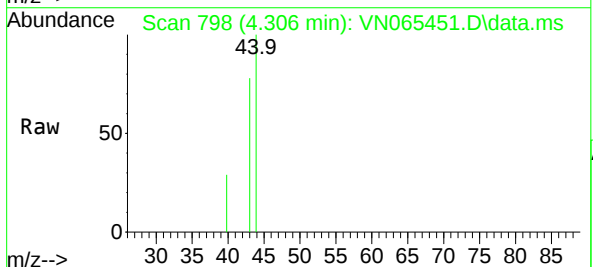
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

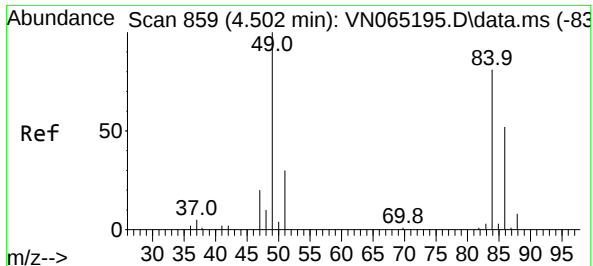
Tgt Ion: 43 Resp: 11406
Ion Ratio Lower Upper
43 100
58 32.1 25.7 38.5



#18
Methyl Acetate
Concen: 0.51 ug/l
RT: 4.306 min Scan# 798
Delta R.T. 0.019 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

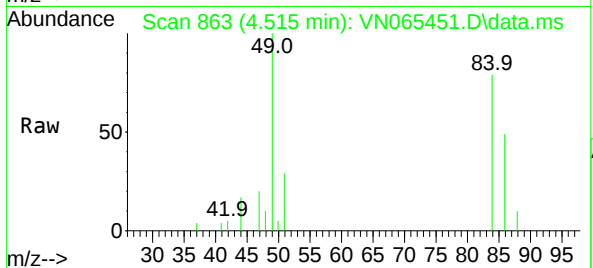
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



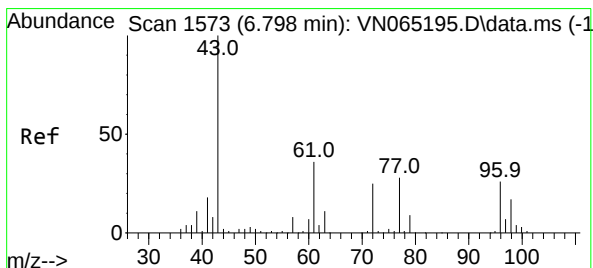
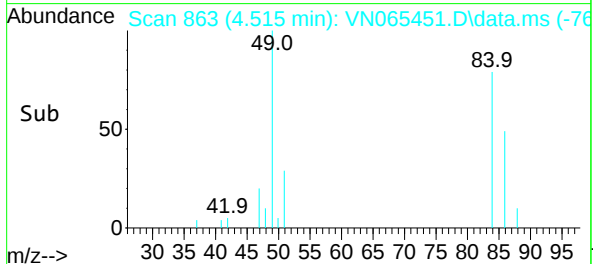
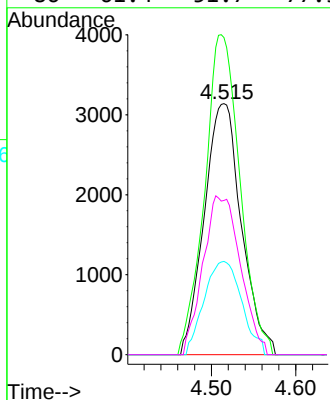


#20
Methylene Chloride
Concen: 3.02 ug/l
RT: 4.515 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

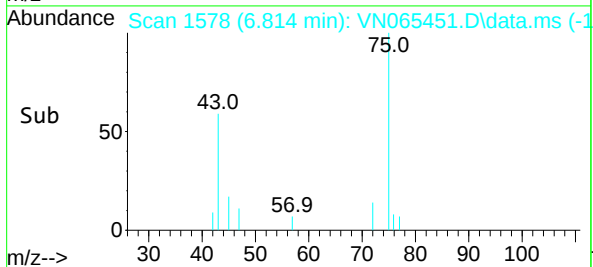
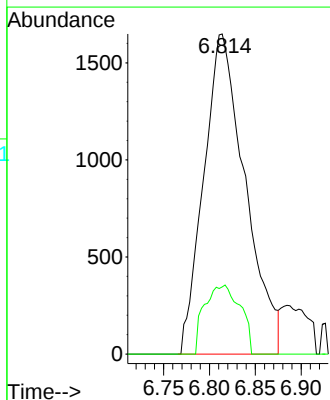
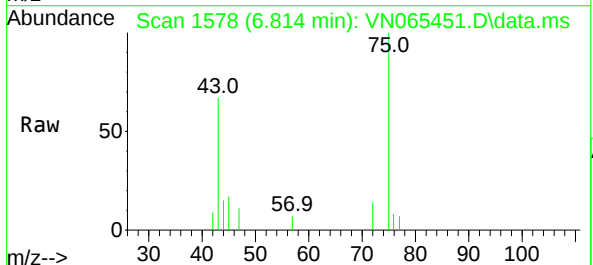


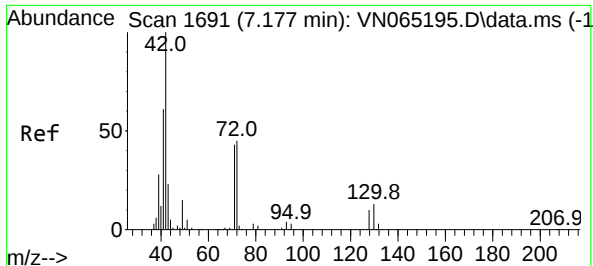
Tgt Ion:	84	Resp:	9615
Ion	Ratio	Lower	Upper
84	100		
49	126.3	93.4	140.0
51	37.1	28.2	42.4
86	61.4	51.7	77.5



#25
2-Butanone
Concen: 2.83 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

Tgt Ion:	43	Resp:	5181
Ion	Ratio	Lower	Upper
43	100		
72	21.0	21.0	31.6#





#29

Tetrahydrofuran

Concen: 1.07 ug/l

RT: 7.203 min Scan# 1699

Delta R.T. 0.026 min

Lab File: VN065451.D

Acq: 8 Jan 2021 18:18

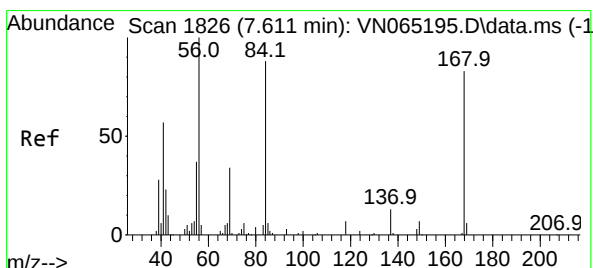
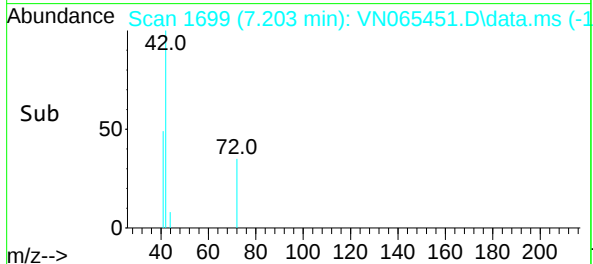
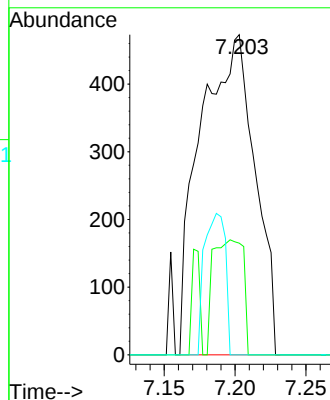
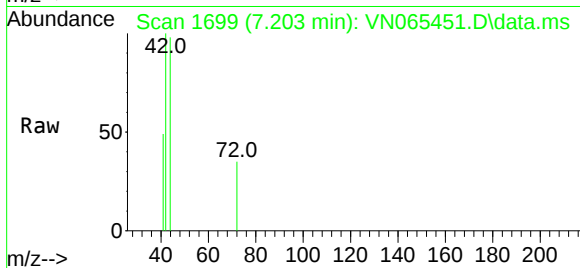
Instrument :

MSVOA_N

ClientSampleId :

PB133969ZHE#03

Tgt Ion:	42	Resp:	1268
Ion	Ratio	Lower	Upper
42	100		
72	19.7	36.6	54.8#
71	16.9	33.6	50.4#



#31

Cyclohexane

Concen: 0.99 ug/l

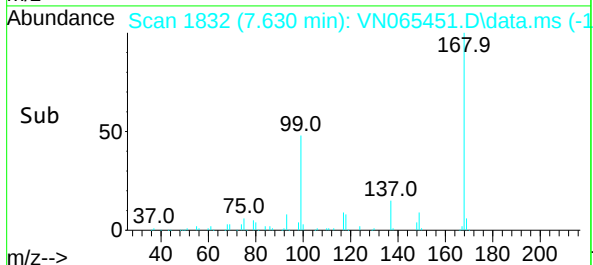
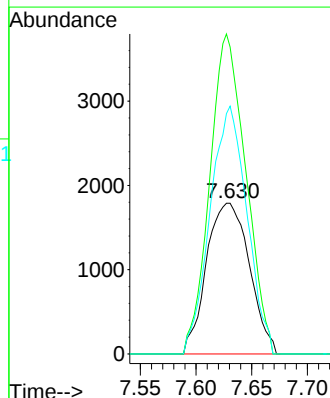
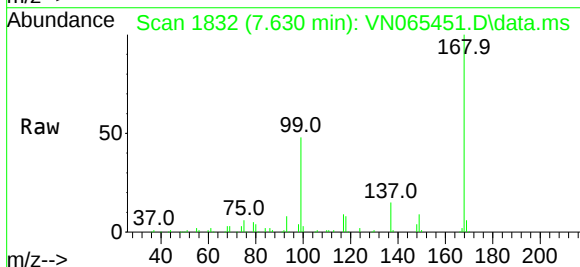
RT: 7.630 min Scan# 1832

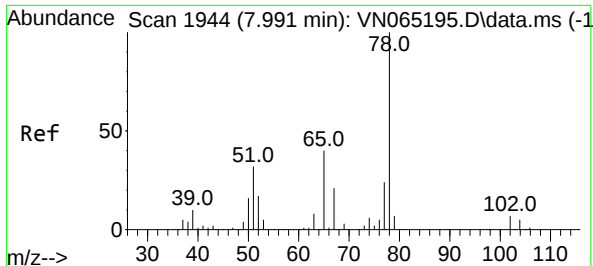
Delta R.T. 0.019 min

Lab File: VN065451.D

Acq: 8 Jan 2021 18:18

Tgt Ion:	56	Resp:	4788
Ion	Ratio	Lower	Upper
56	100		
69	203.6	27.5	41.3#
84	164.3	73.9	110.9#

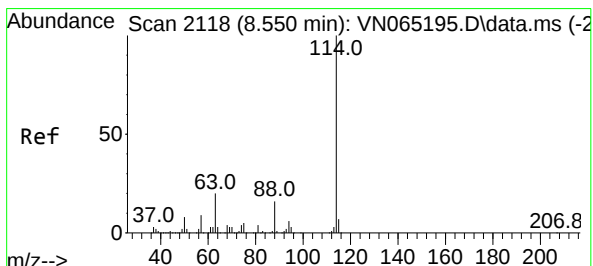
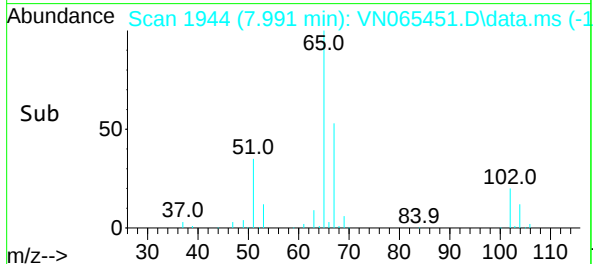
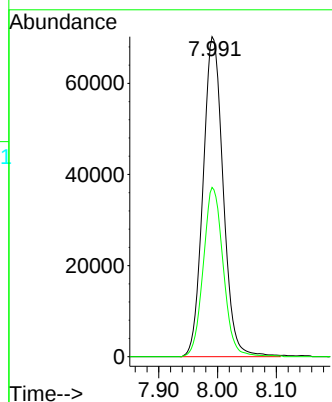
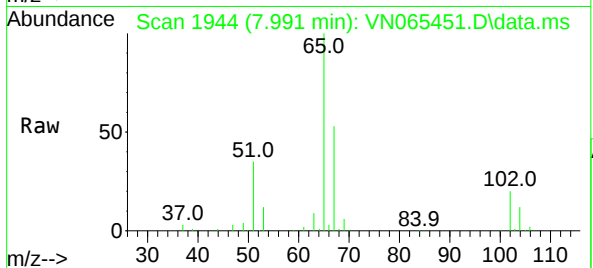




#33
1,2-Dichloroethane-d4
Concen: 51.25 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

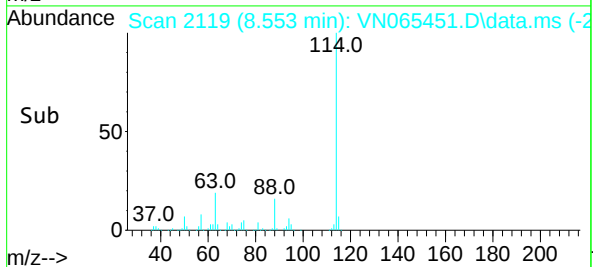
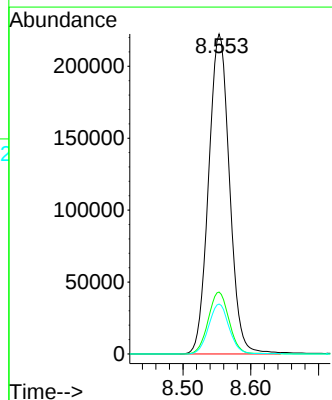
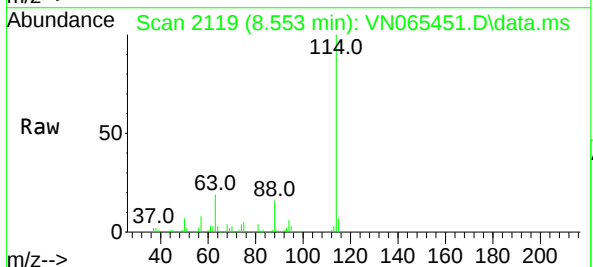
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

Tgt Ion: 65 Resp: 167249
Ion Ratio Lower Upper
65 100
67 52.4 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: VN065451.D
Acq: 8 Jan 2021 18:18

Tgt Ion: 114 Resp: 476252
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.6
88 15.6 0.0 32.6

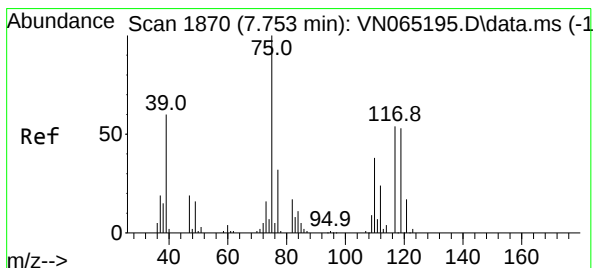
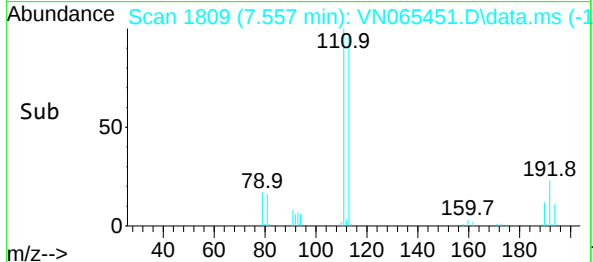
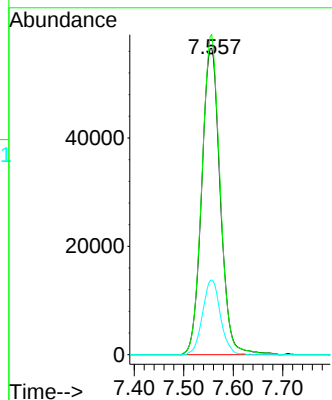
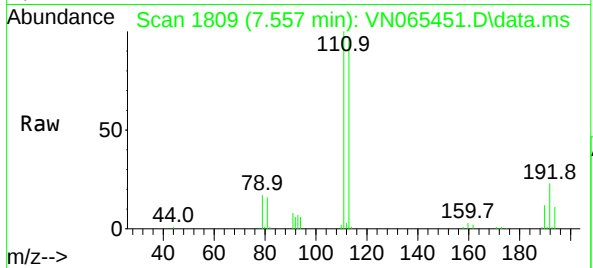




#35
Dibromofluoromethane
Concen: 51.41 ug/l
RT: 7.557 min Scan# 1809
Delta R.T. 0.007 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

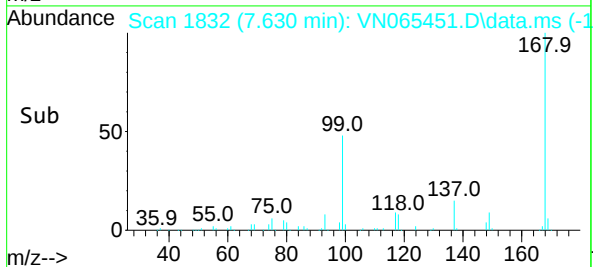
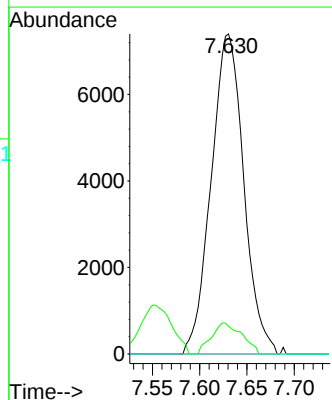
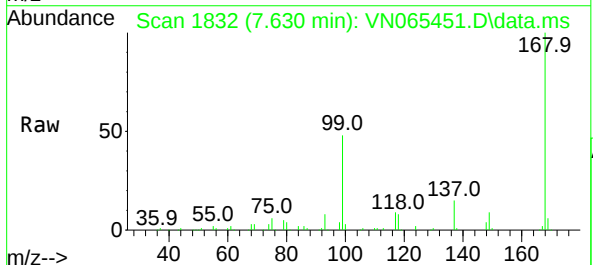
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ClientSampleId :
PB133969ZHE#03

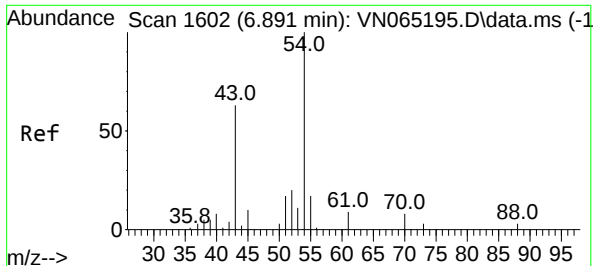
Tgt Ion:113 Resp: 147713
Ion Ratio Lower Upper
113 100
111 101.7 81.6 122.4
192 23.5 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.10 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

Tgt Ion: 75 Resp: 17744
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.21 ug/l

RT: 6.814 min Scan# 1578

Delta R.T. -0.077 min

Lab File: VN065451.D

Acq: 8 Jan 2021 18:18

Instrument :

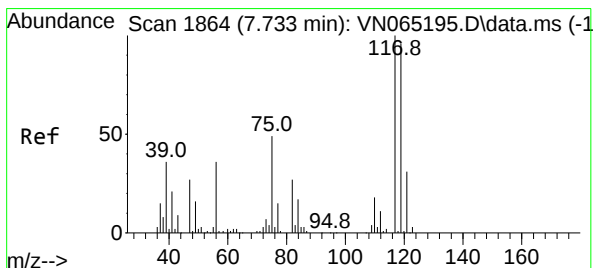
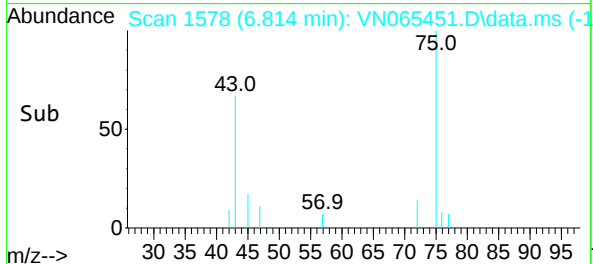
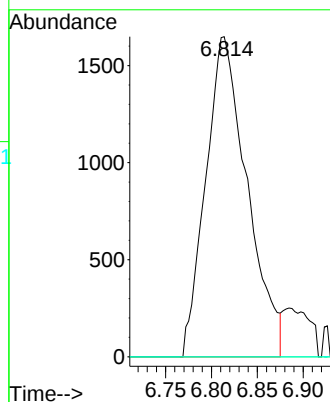
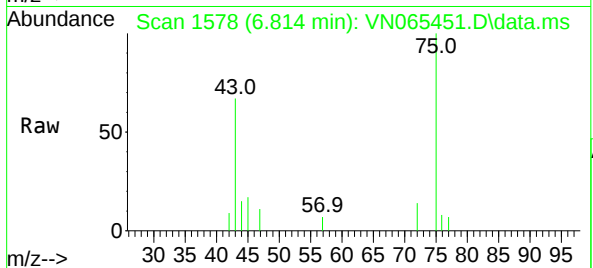
MSVOA_N

ClientSampleId :

PB133969ZHE#03

Tgt Ion: 43 Resp: 5181

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.44 ug/l

RT: 7.630 min Scan# 1832

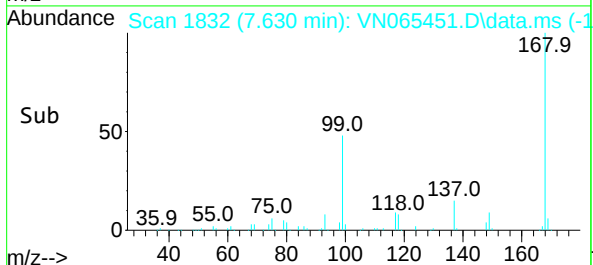
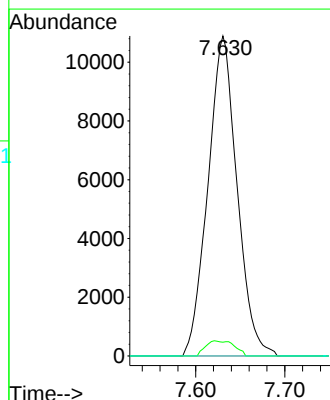
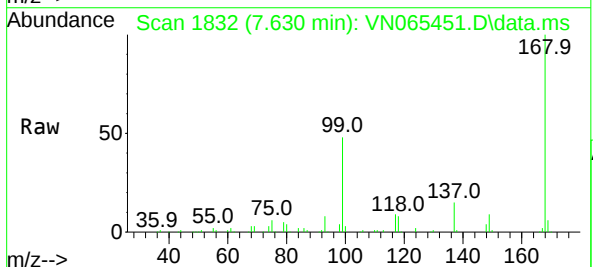
Delta R.T. -0.103 min

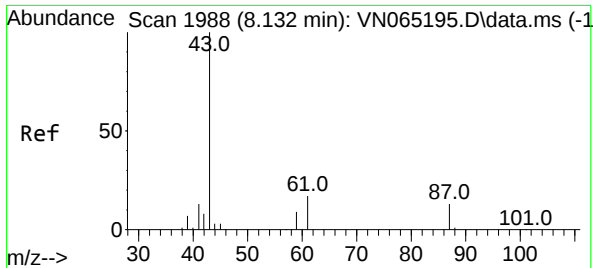
Lab File: VN065451.D

Acq: 8 Jan 2021 18:18

Tgt Ion: 117 Resp: 24756

Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.7	115.1#
121	0.0	25.4	38.2#

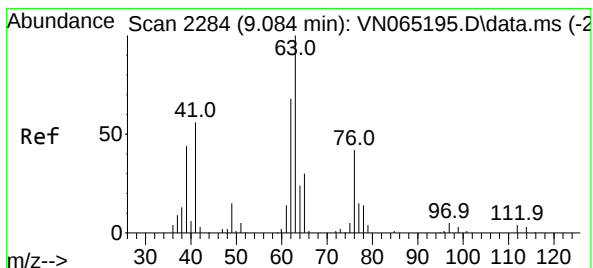
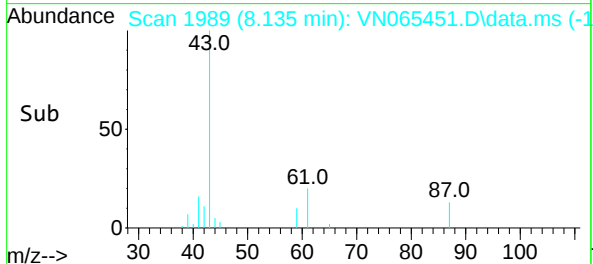
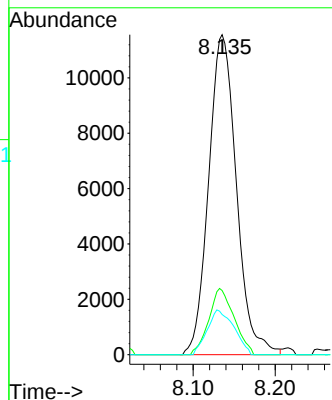
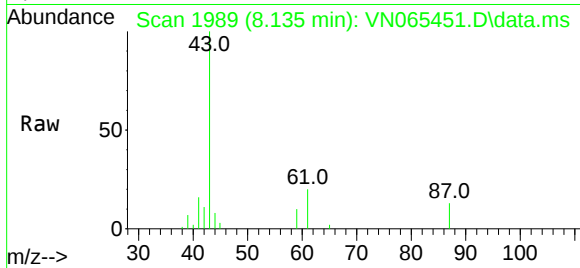




#43
Isopropyl Acetate
Concen: 3.68 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

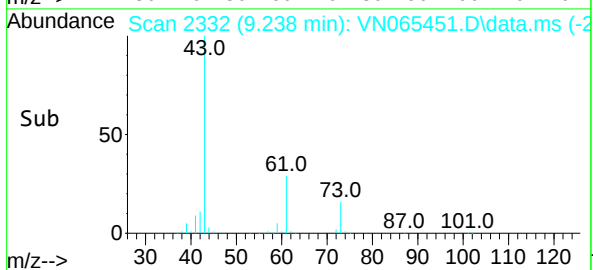
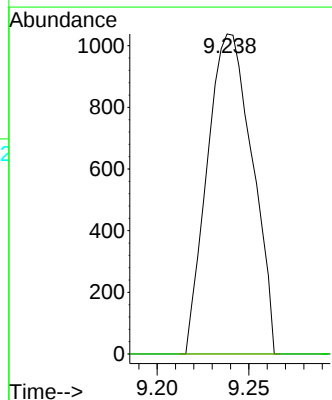
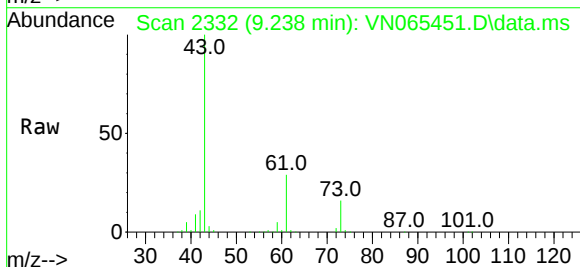
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

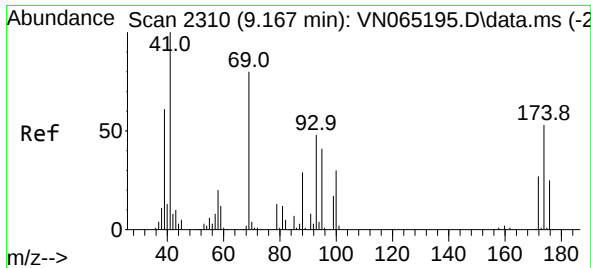
Tgt Ion:	43	Resp:	27228
Ion	Ratio	Lower	Upper
43	100		
61	18.8	17.2	25.8
87	13.4	11.4	17.0



#45
1,2-Dichloropropane
Concen: 0.53 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

Tgt Ion:	63	Resp:	1772
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

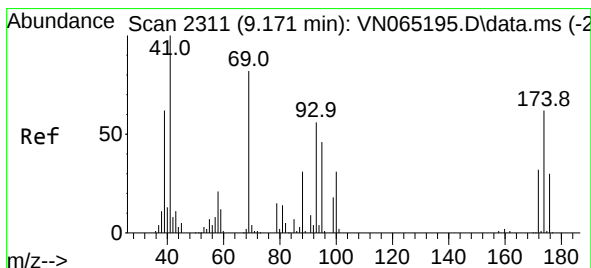
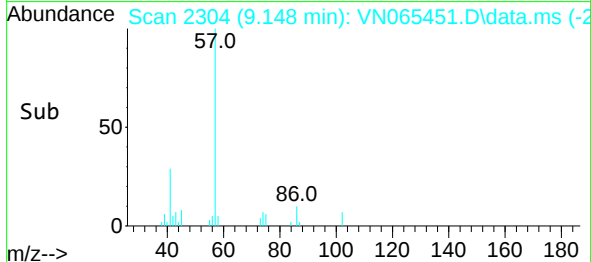
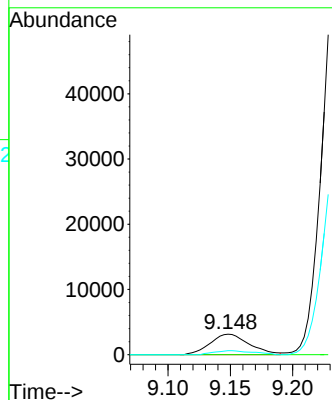
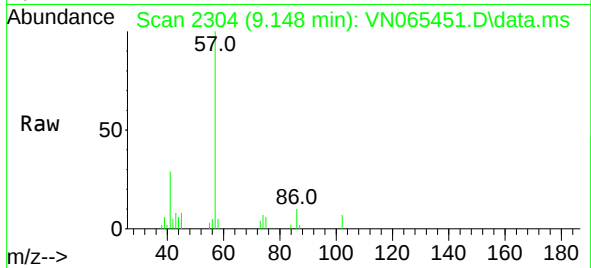




#48
Methyl methacrylate
Concen: 1.91 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

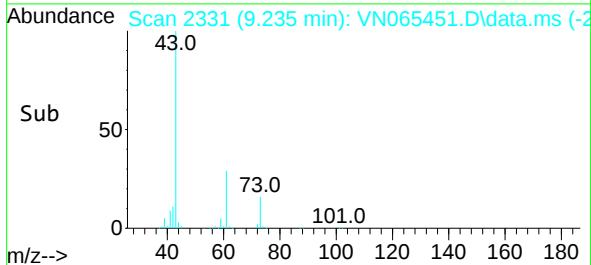
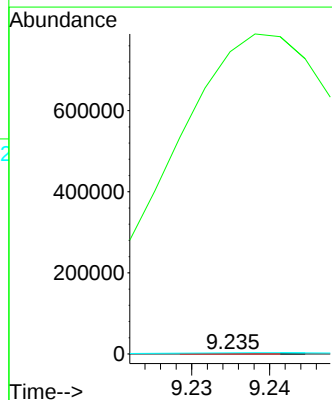
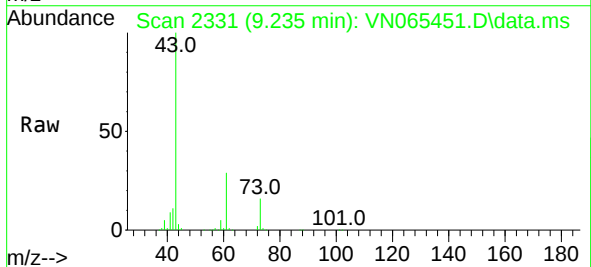
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

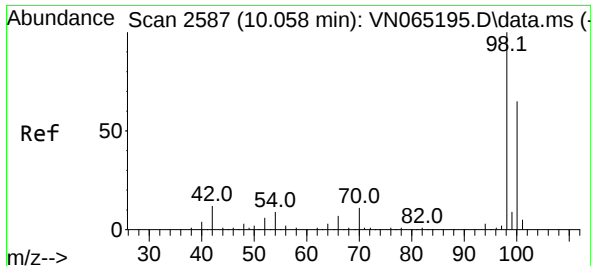
Tgt Ion: 41 Resp: 6868
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#49
1,4-Dioxane
Concen: 0.50 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.064 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 5171772.4 24.2 36.4#
58 20762.1 52.5 78.7#

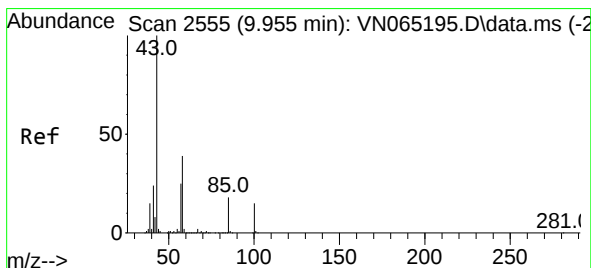
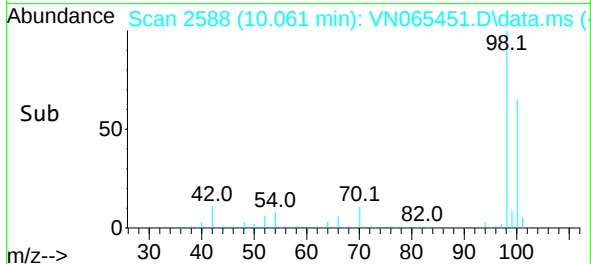
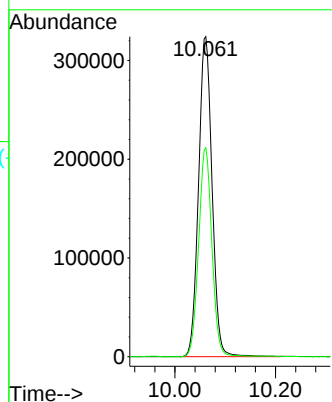
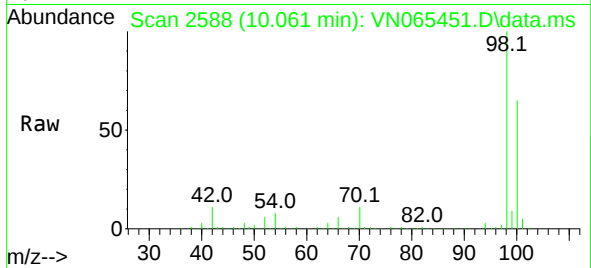




#50
Toluene-d8
Concen: 56.19 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

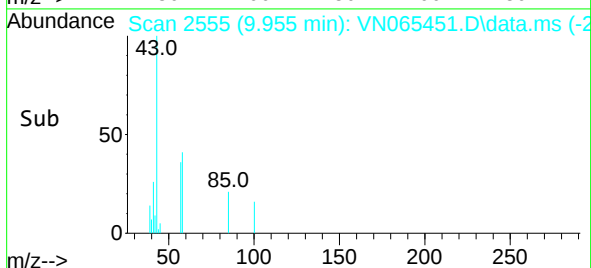
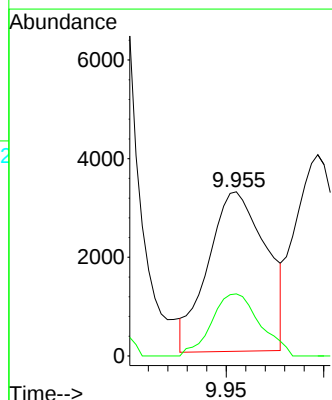
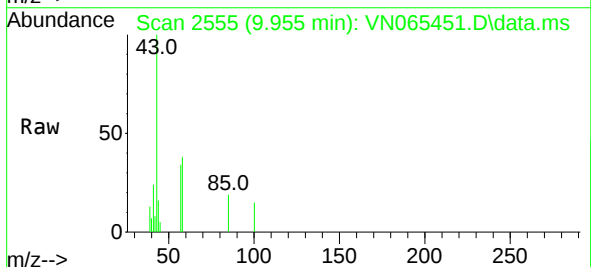
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

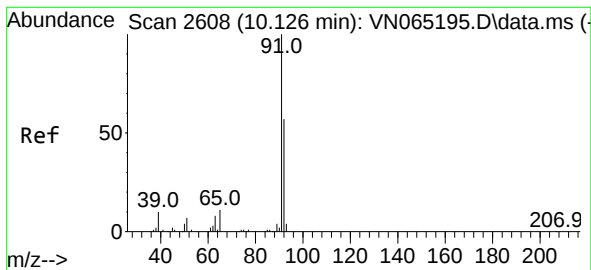
Tgt Ion: 98 Resp: 605086
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.61 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

Tgt Ion: 43 Resp: 6689
Ion Ratio Lower Upper
43 100
58 32.4 32.4 48.6





#52

Toluene

Concen: 0.22 ug/l

RT: 10.129 min Scan# 2609

Delta R.T. 0.003 min

Lab File: VN065451.D

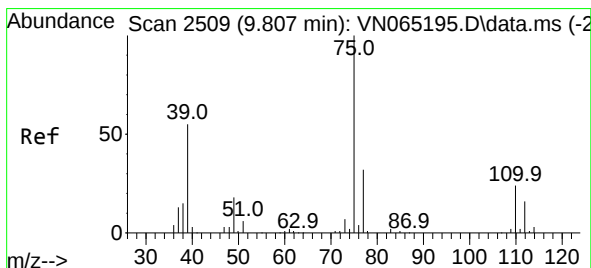
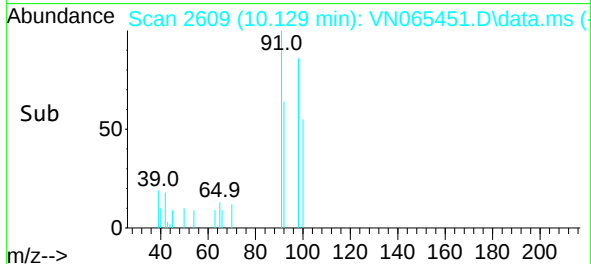
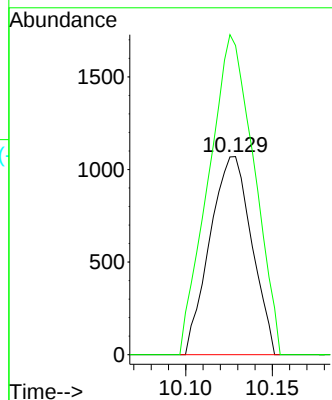
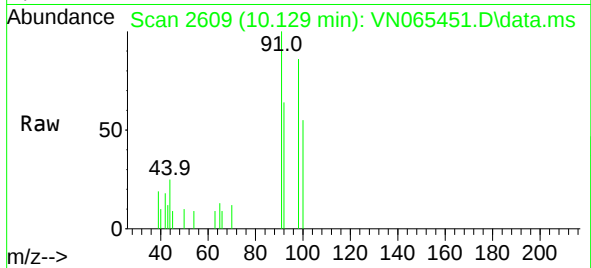
Acq: 8 Jan 2021 18:18

Tgt Ion: 92 Resp: 1794

Ion Ratio Lower Upper

92 100

91 175.8 139.1 208.7



#54

cis-1,3-Dichloropropene

Concen: 8.67 ug/l

RT: 9.875 min Scan# 2530

Delta R.T. 0.068 min

Lab File: VN065451.D

Acq: 8 Jan 2021 18:18

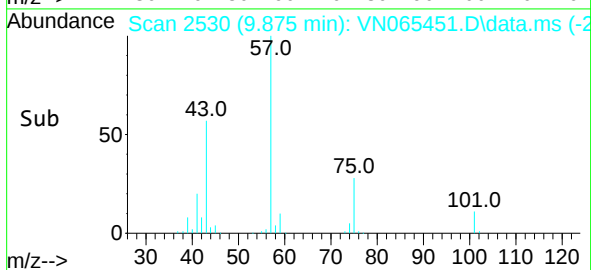
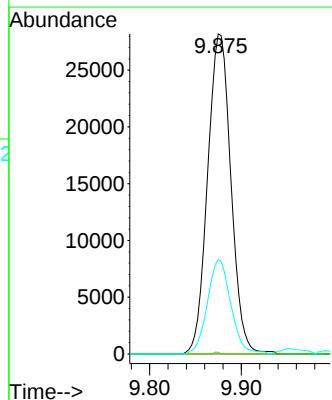
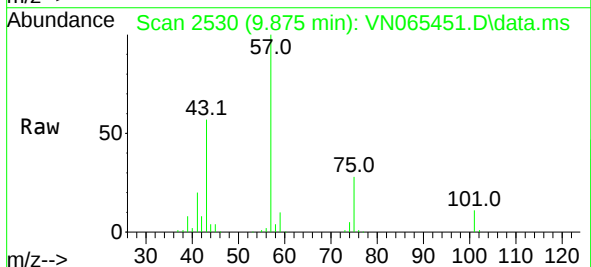
Tgt Ion: 75 Resp: 49787

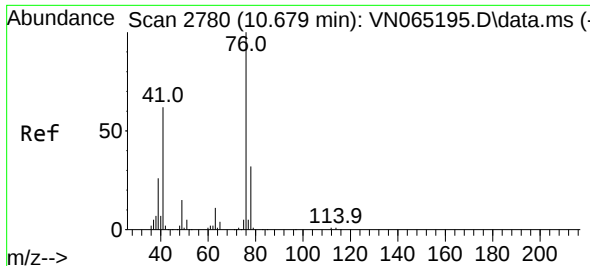
Ion Ratio Lower Upper

75 100

77 0.5 25.5 38.3#

39 29.5 35.6 53.4#

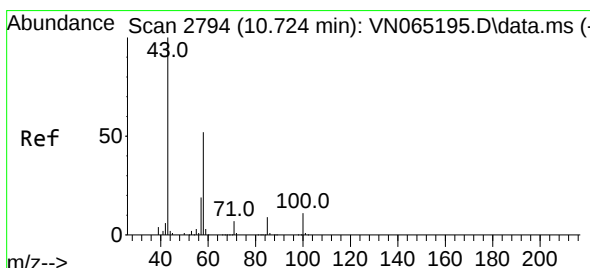
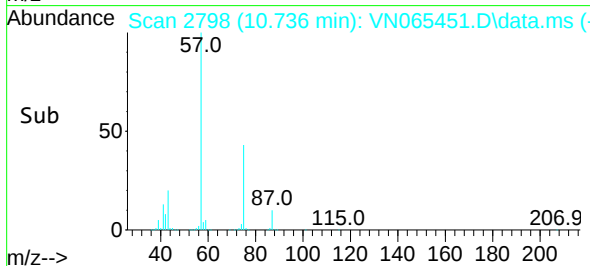
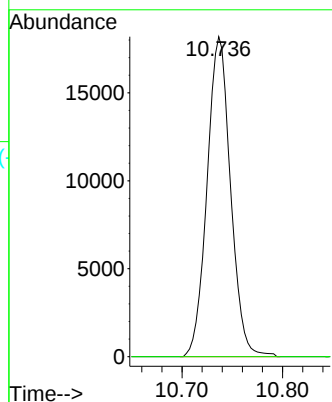
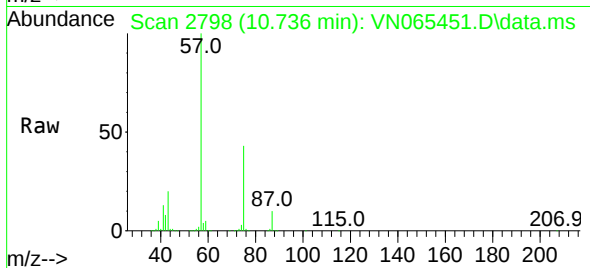




#57
1,3-Dichloropropane
Concen: 5.57 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

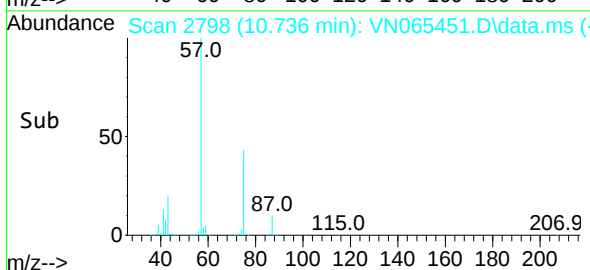
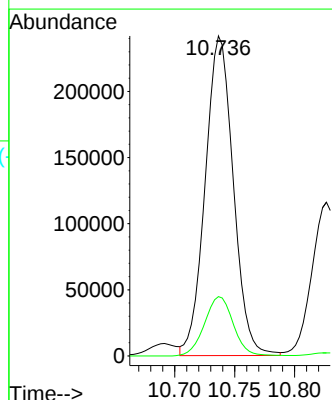
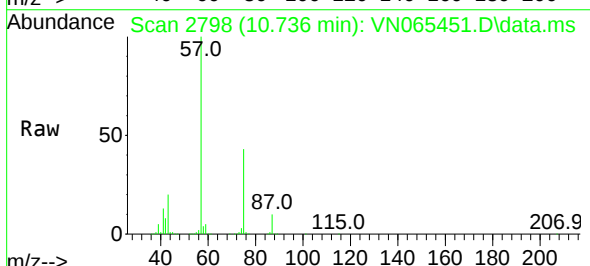
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

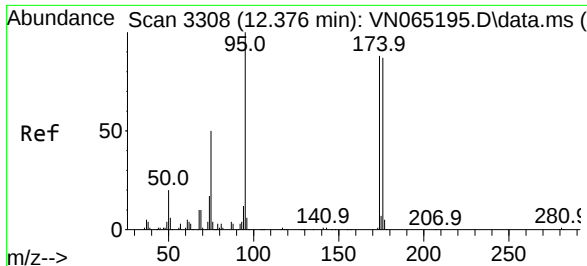
Tgt Ion: 76 Resp: 29503
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 128.73 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

Tgt Ion: 43 Resp: 393621
Ion Ratio Lower Upper
43 100
58 19.1 28.3 84.9#

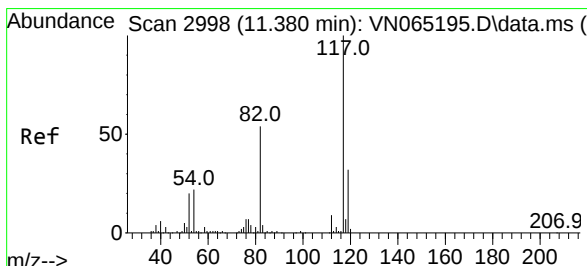
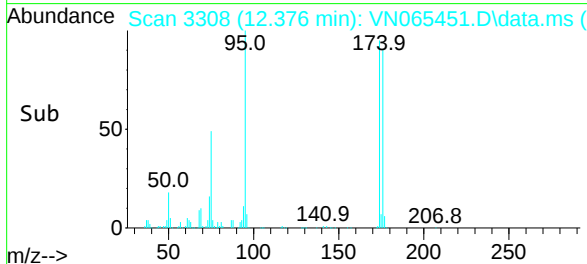
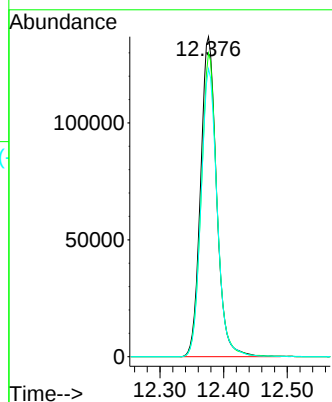
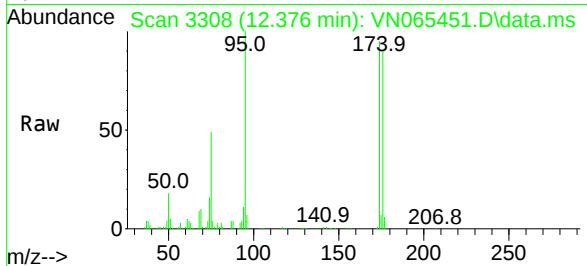




#62
4-Bromofluorobenzene
Concen: 55.56 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

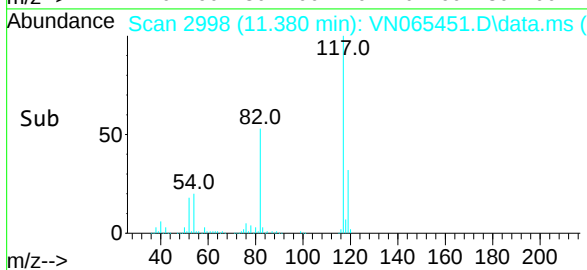
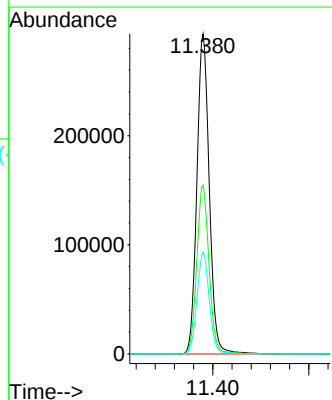
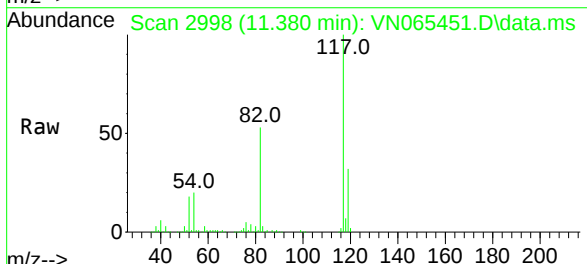
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

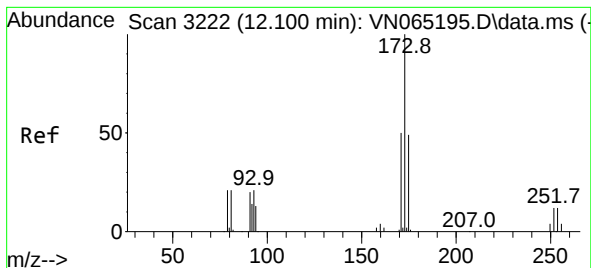
Tgt Ion: 95 Resp: 239301
Ion Ratio Lower Upper
95 100
174 93.5 0.0 160.4
176 90.5 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

Tgt Ion: 117 Resp: 524915
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 31.8 25.8 38.6





#71

Bromoform

Concen: 0.35 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.276 min

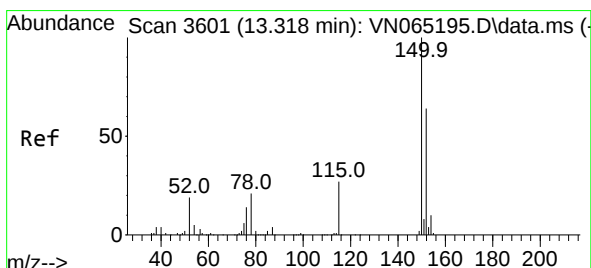
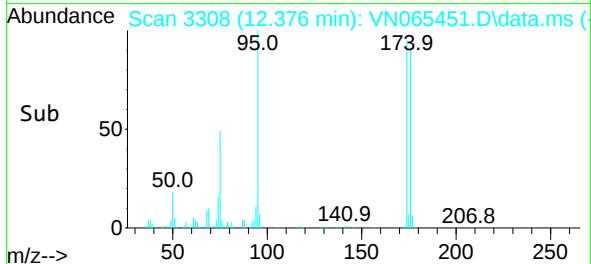
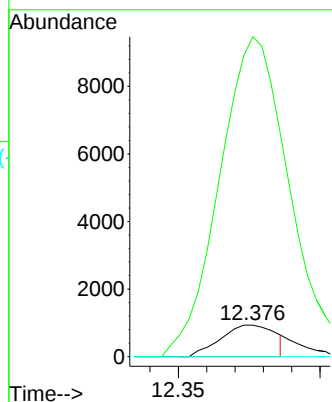
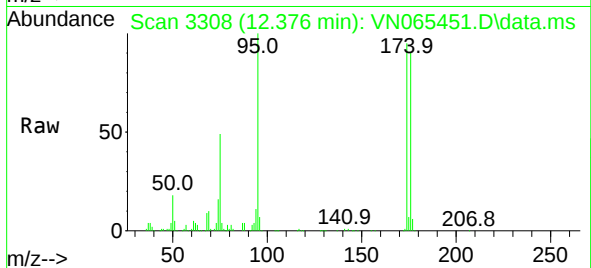
Lab File: VN065451.D

Acq: 8 Jan 2021 18:18

Tgt Ion:173 Resp: 1256

Ion	Ratio	Lower	Upper
173	100		
175	1049.7	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

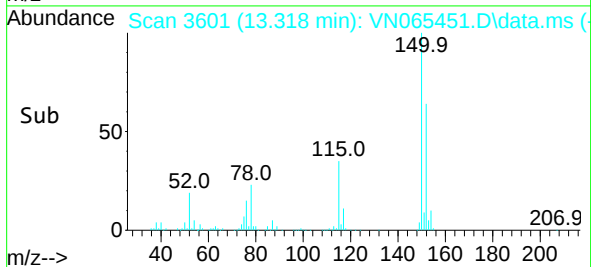
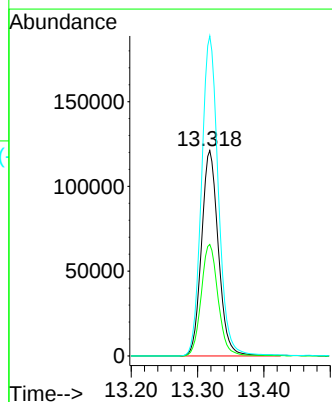
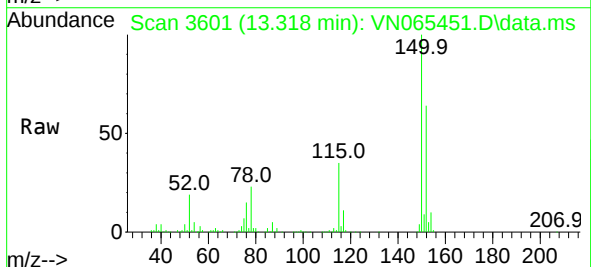
Delta R.T. 0.000 min

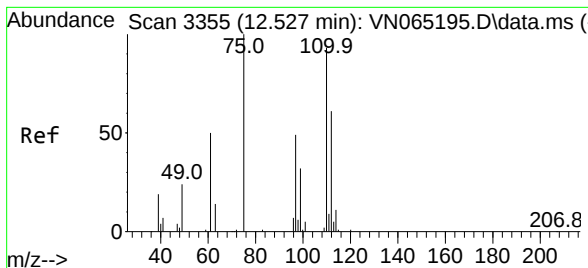
Lab File: VN065451.D

Acq: 8 Jan 2021 18:18

Tgt Ion:152 Resp: 214140

Ion	Ratio	Lower	Upper
152	100		
115	54.6	29.7	89.1
150	155.8	0.0	350.6

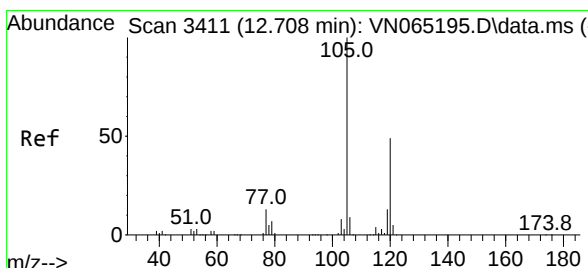
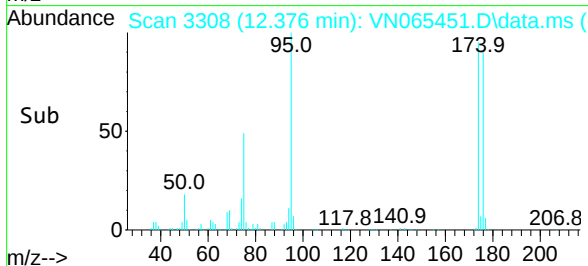
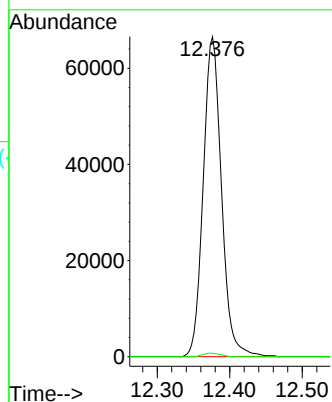
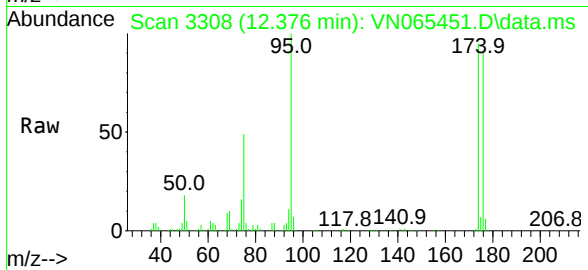




#76
1,2,3-Trichloropropane
Concen: 26.69 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

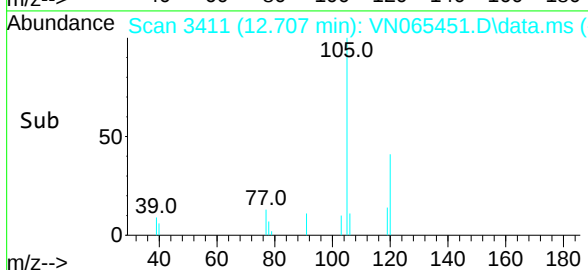
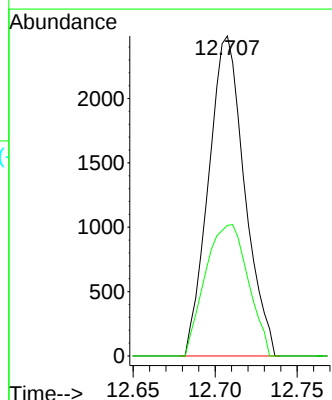
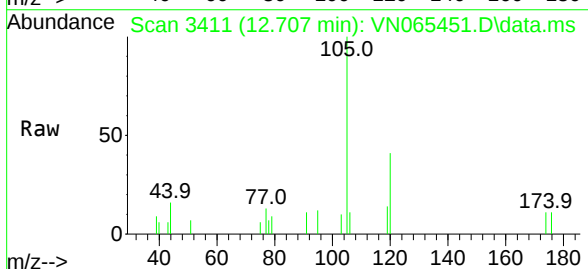
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03

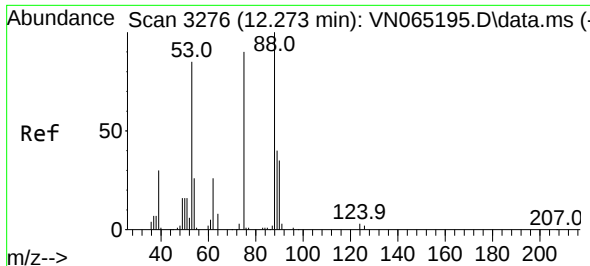
Tgt Ion: 75 Resp: 116581
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.27 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. -0.001 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

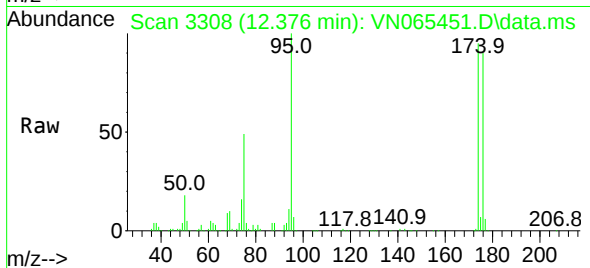
Tgt Ion: 105 Resp: 3792
Ion Ratio Lower Upper
105 100
120 48.7 24.6 73.6



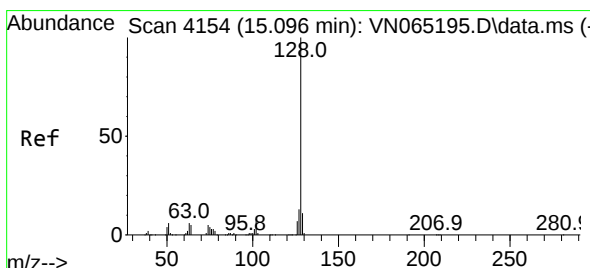
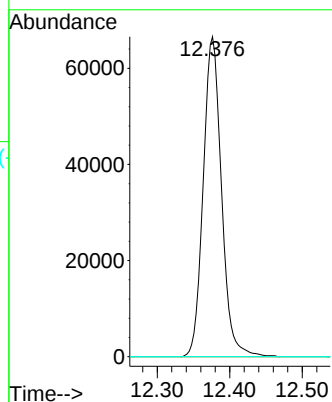
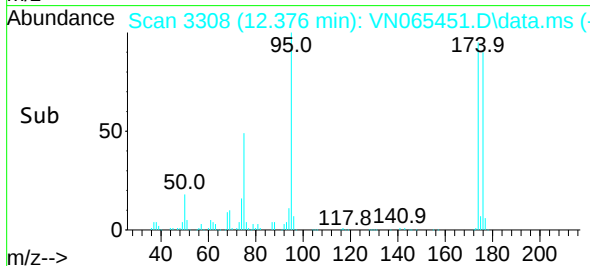


#81
trans-1,4-Dichloro-2-butene
Concen: 67.29 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18

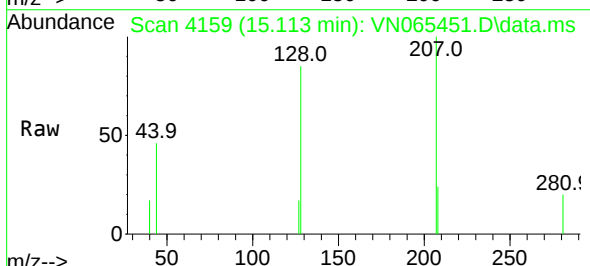
Instrument :
MSVOA_N
ClientSampleId :
PB133969ZHE#03



Tgt Ion: 75 Resp: 116581
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#95
Naphthalene
Concen: 3.51 ug/l
RT: 15.113 min Scan# 4159
Delta R.T. 0.017 min
Lab File: VN065451.D
Acq: 8 Jan 2021 18:18



Tgt Ion: 128 Resp: 1628
Ion Ratio Lower Upper
128 100
127 1.8 10.3 15.5#
129 0.0 8.7 13.1#

