

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012821\
 Data File : VN065653.D
 Acq On : 28 Jan 2021 16:40
 Operator : JC/MD
 Sample : PB134372ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB134372ZHE#01

Quant Time: Jan 29 01:24:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

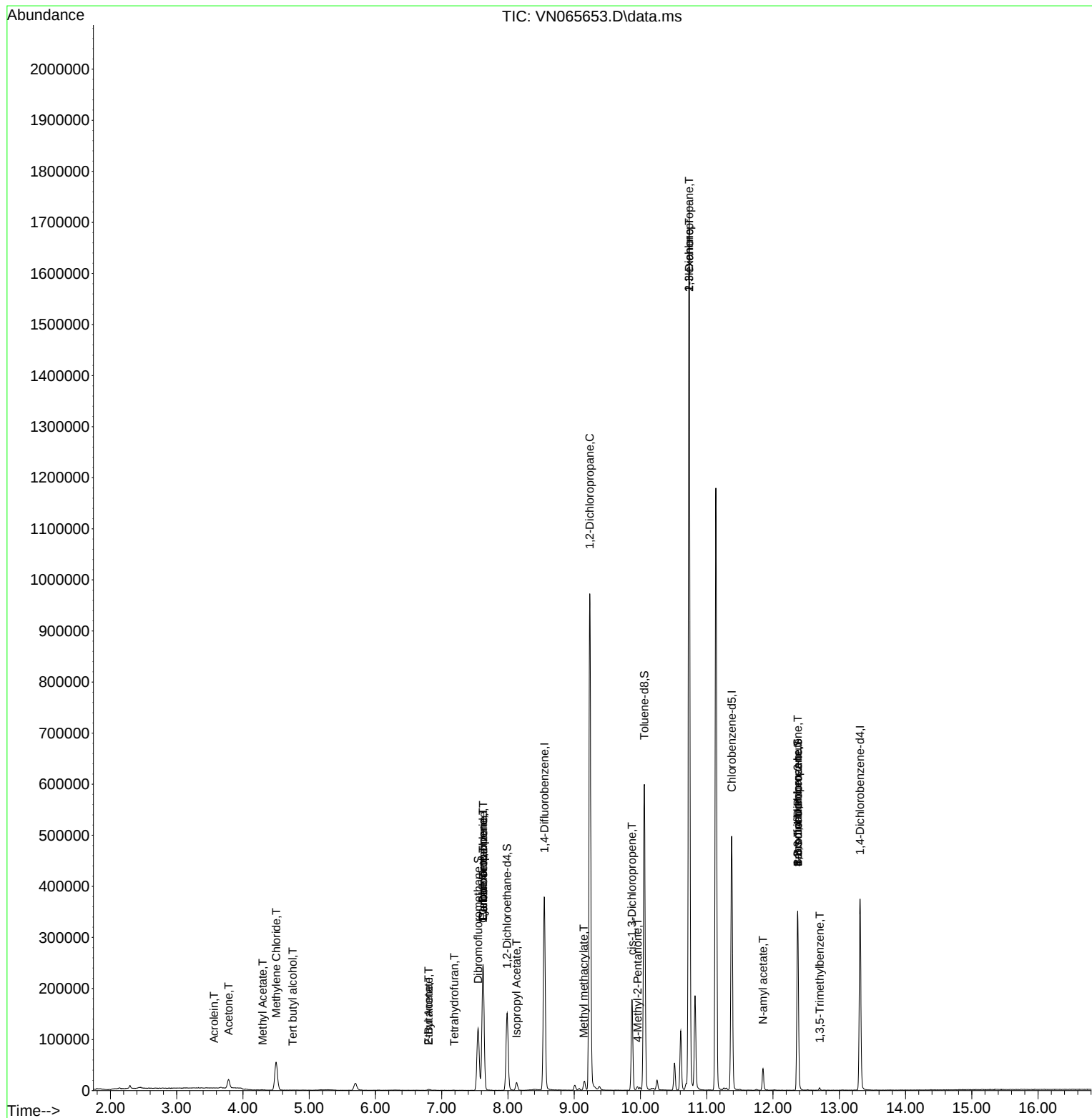
Internal Standards						
1) Pentafluorobenzene	7.624	168	199529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	348433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	298651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	107734	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	126871	48.33	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.66%		
35) Dibromofluoromethane	7.550	113	99037	47.96	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.92%		
50) Toluene-d8	10.058	98	433767	53.44	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.88%		
62) 4-Bromofluorobenzene	12.373	95	140944	48.22	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.44%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.753	59	172	0.35	ug/l #	73
13) Acrolein	3.563	56	29	18.15	ug/l #	1
16) Acetone	3.782	43	26719	26.15	ug/l	99
18) Methyl Acetate	4.299	43	732	0.26	ug/l #	51
20) Methylene Chloride	4.502	84	40618	14.35	ug/l	94
25) 2-Butanone	6.801	43	1950	1.22	ug/l #	86
29) Tetrahydrofuran	7.190	42	256	0.22	ug/l #	32
31) Cyclohexane	7.621	56	4178	0.85	ug/l #	1
36) 1,1-Dichloropropene	7.621	75	16243	4.63	ug/l #	47
37) Ethyl Acetate	6.801	43	1950	0.58	ug/l #	68
38) Carbon Tetrachloride	7.624	117	19042	6.60	ug/l #	16
43) Isopropyl Acetate	8.129	43	18795	3.15	ug/l #	89
45) 1,2-Dichloropropane	9.235	63	1177	0.40	ug/l #	44
48) Methyl methacrylate	9.145	41	4851	1.71	ug/l #	10
51) 4-Methyl-2-Pentanone	9.955	43	5183	1.58	ug/l	94
54) cis-1,3-Dichloropropene	9.871	75	34391	7.59	ug/l #	56
57) 1,3-Dichloropropane	10.733	76	17954	4.22	ug/l #	43
59) 2-Hexanone	10.733	43	245156	107.39	ug/l #	50
71) Bromoform	12.373	173	465	0.30	ug/l #	1
74) N-amyl acetate	11.849	43	13363	3.35	ug/l #	50
76) 1,2,3-Trichloropropane	12.373	75	66417	23.58	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.704	105	3060	0.38	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.373	75	66417	60.39	ug/l #	12

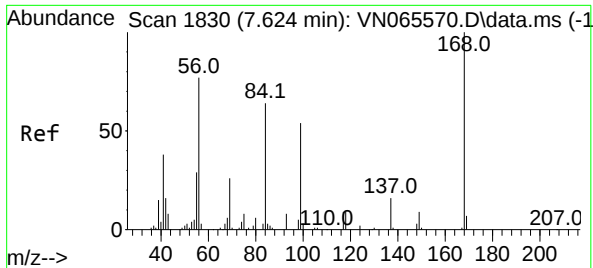
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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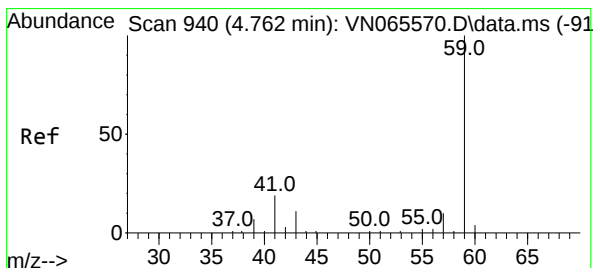
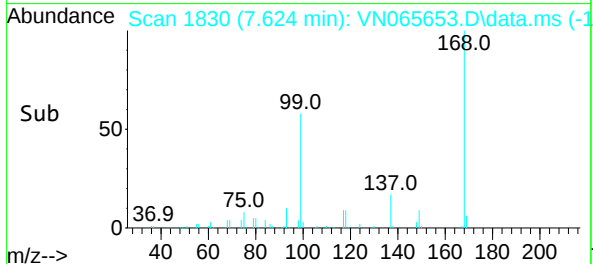
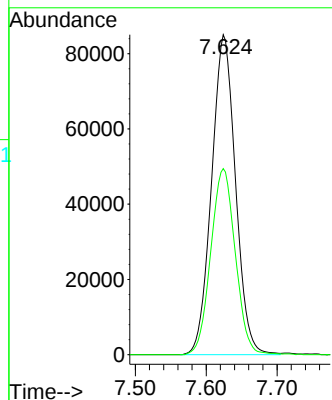
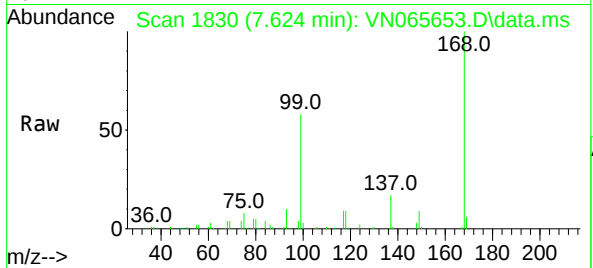




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

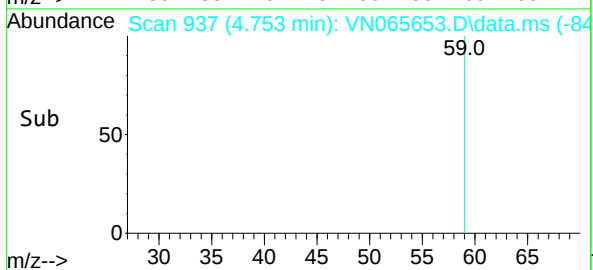
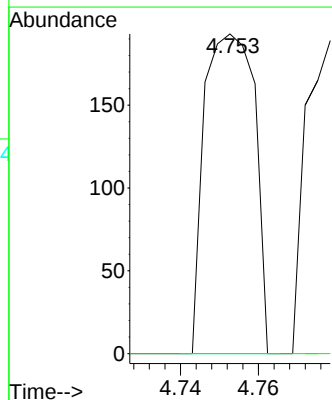
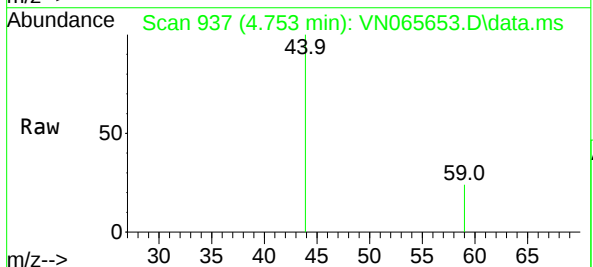
Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

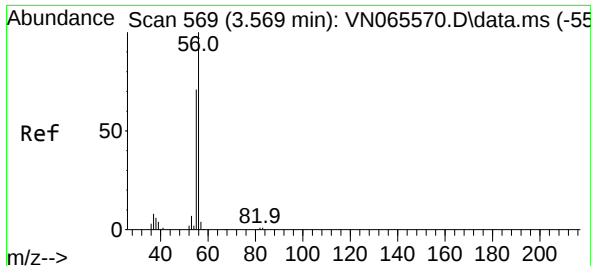
Tgt Ion:168 Resp: 199529
Ion Ratio Lower Upper
168 100
99 58.2 42.6 63.8



#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 4.753 min Scan# 937
Delta R.T. -0.009 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

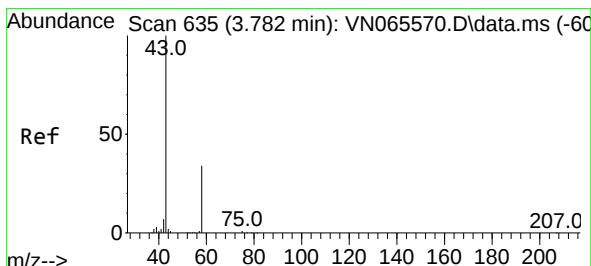
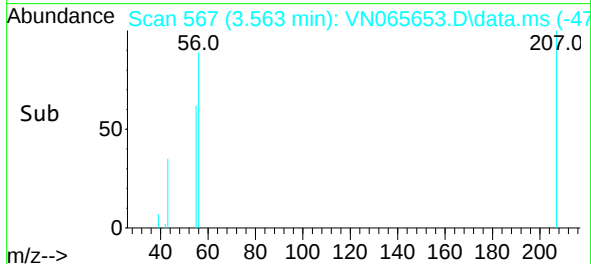
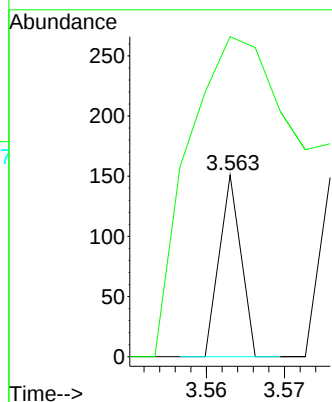
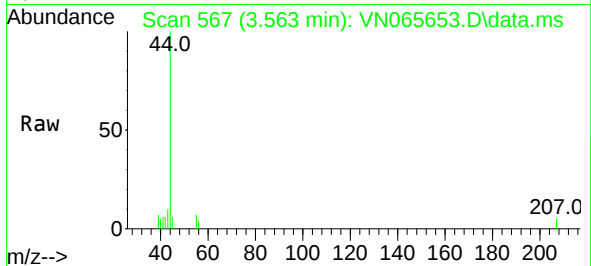




#13
Acrolein
Concen: 18.15 ug/l
RT: 3.563 min Scan# 567
Delta R.T. -0.006 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

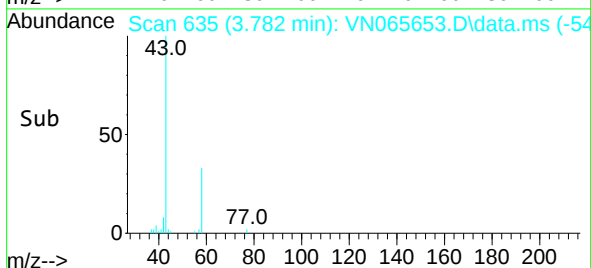
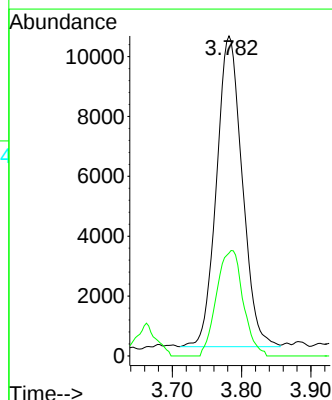
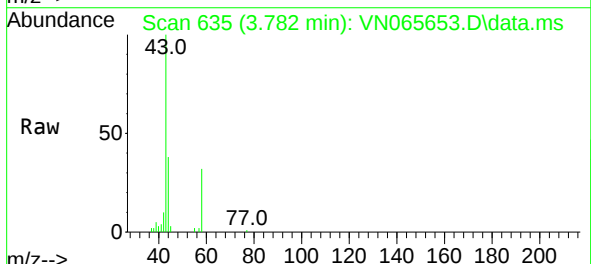
Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

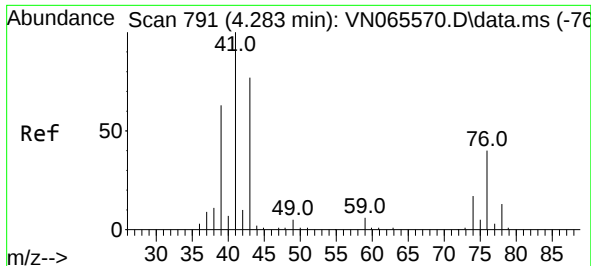
Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 848.3 56.0 84.0#



#16
Acetone
Concen: 26.15 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 43 Resp: 26719
Ion Ratio Lower Upper
43 100
58 33.1 27.0 40.6





#18

Methyl Acetate

Concen: 0.26 ug/l

RT: 4.299 min Scan# 796

Delta R.T. 0.016 min

Lab File: VN065653.D

Acq: 28 Jan 2021 16:40

Tgt Ion: 43 Resp: 732

Ion Ratio Lower Upper

43 100

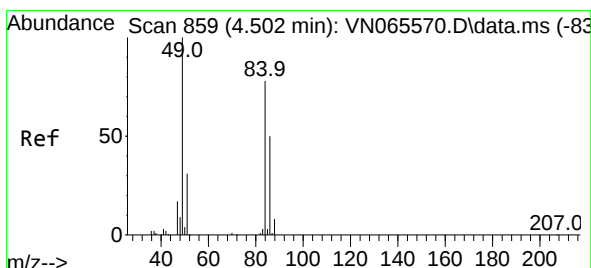
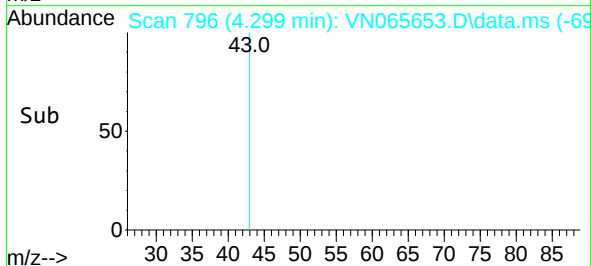
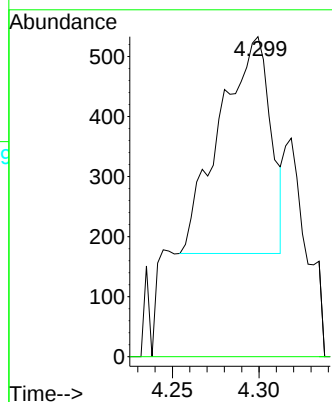
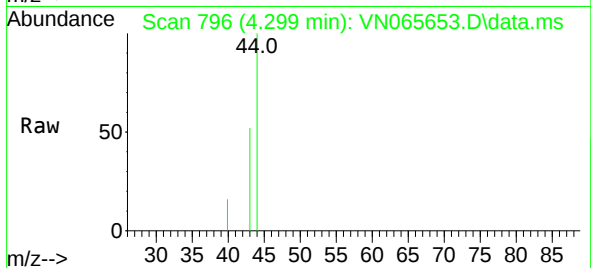
74 0.0 19.5 29.3#

Instrument :

MSVOA_N

ClientSampleId :

PB134372ZHE#01



#20

Methylene Chloride

Concen: 14.35 ug/l

RT: 4.502 min Scan# 859

Delta R.T. -0.000 min

Lab File: VN065653.D

Acq: 28 Jan 2021 16:40

Tgt Ion: 84 Resp: 40618

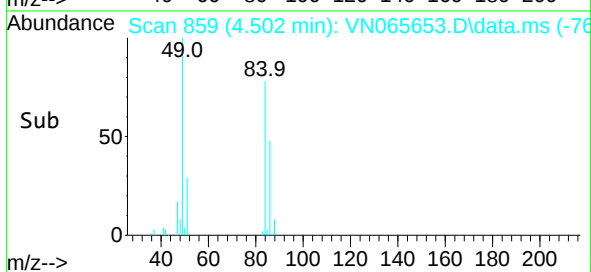
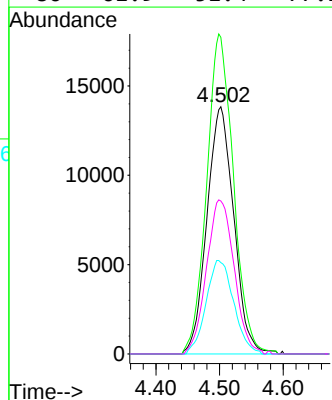
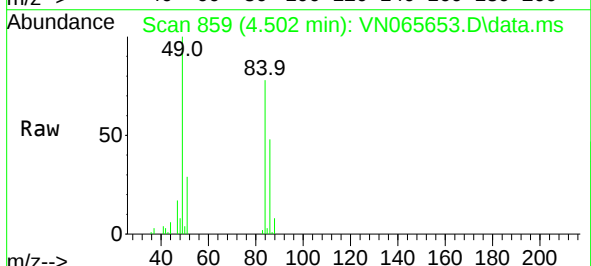
Ion Ratio Lower Upper

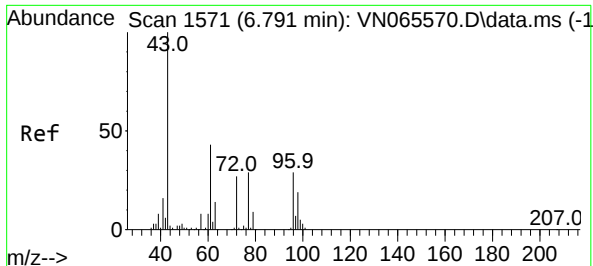
84 100

49 128.0 94.6 141.8

51 37.0 29.9 44.9

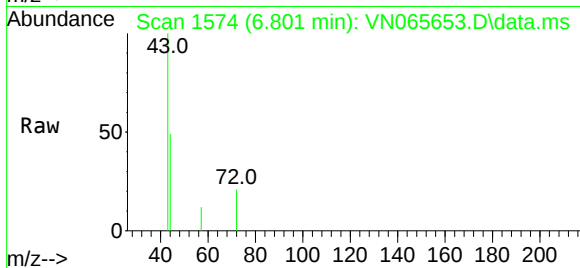
86 61.9 51.4 77.2



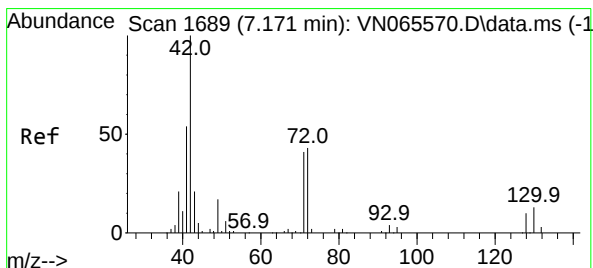
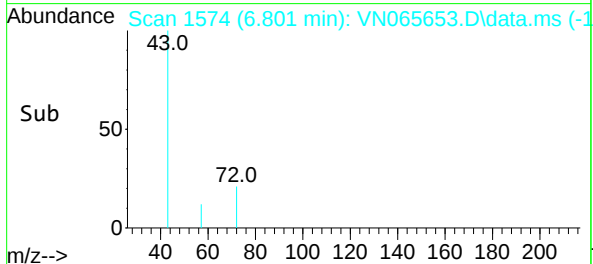
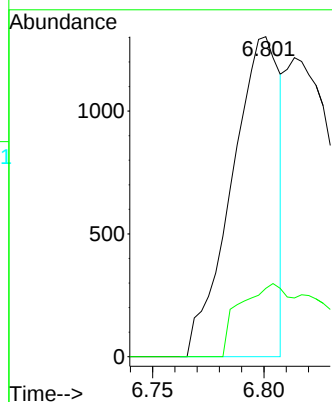


#25
2-Butanone
Concen: 1.22 ug/l
RT: 6.801 min Scan# 1574
Delta R.T. 0.010 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

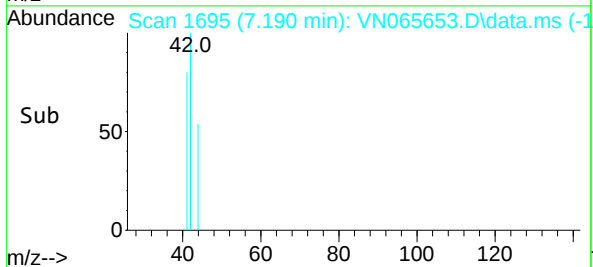
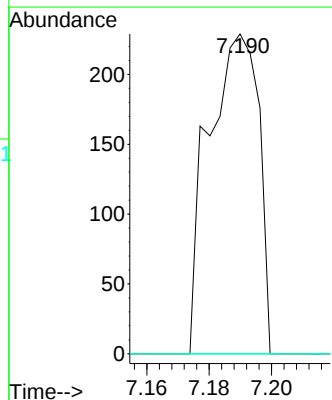
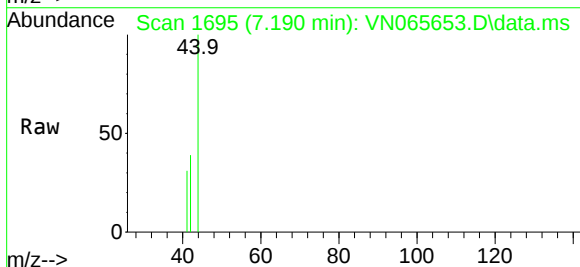


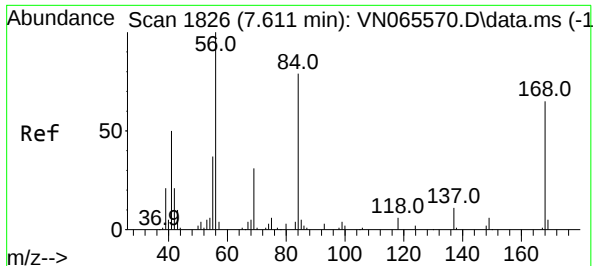
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
72 21.3 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 7.190 min Scan# 1695
Delta R.T. 0.019 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 42 Resp: 256
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

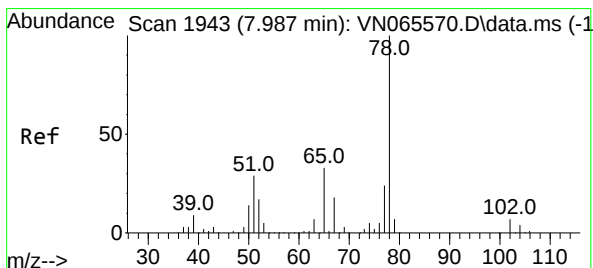
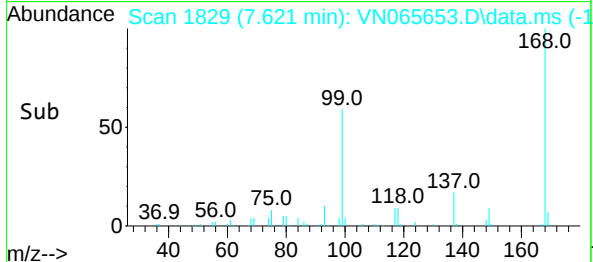
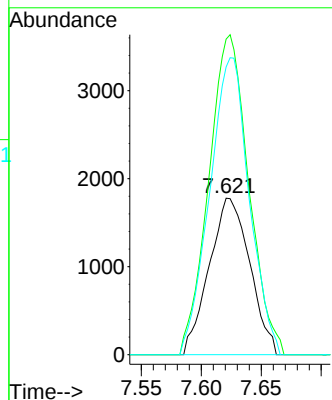
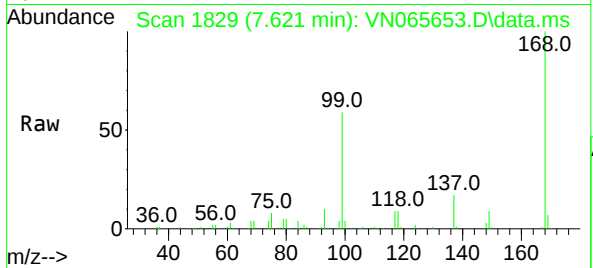




#31
Cyclohexane
Concen: 0.85 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

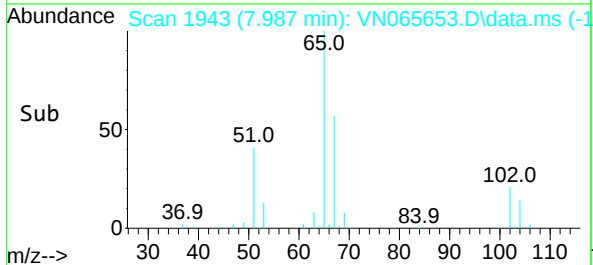
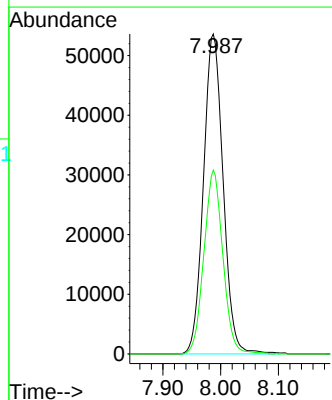
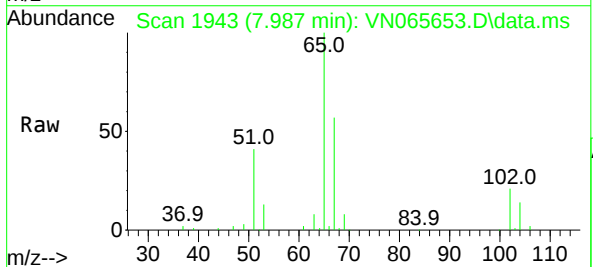
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PB134372ZHE#01

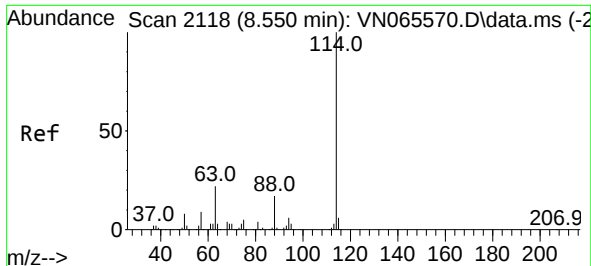
Tgt Ion: 56 Resp: 4178
Ion Ratio Lower Upper
56 100
69 201.6 26.6 39.8#
84 183.8 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 48.33 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 65 Resp: 126871
Ion Ratio Lower Upper
65 100
67 55.4 0.0 107.2

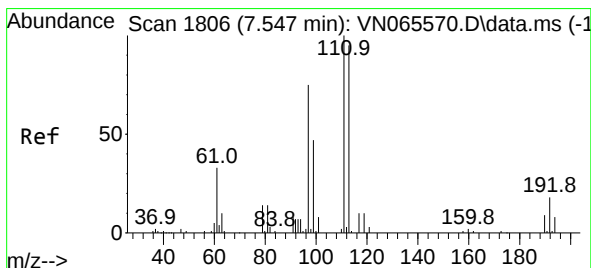
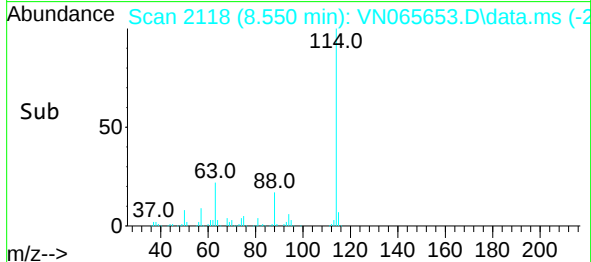
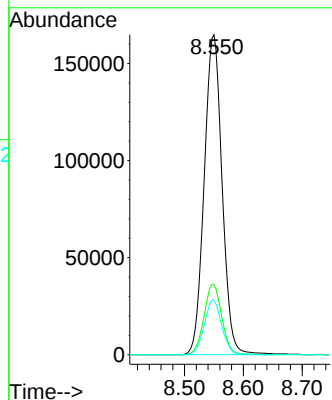
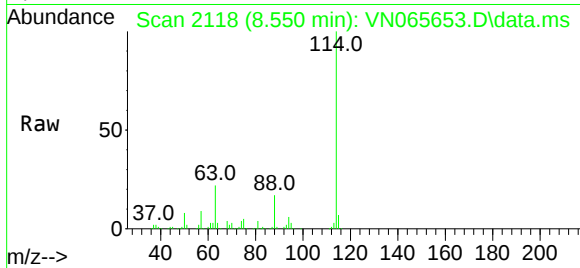




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

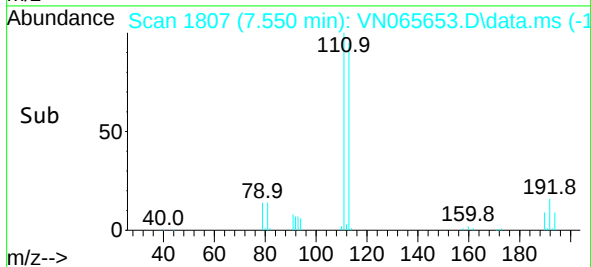
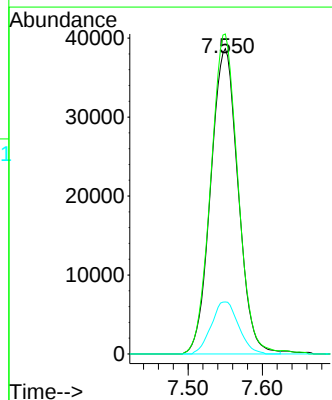
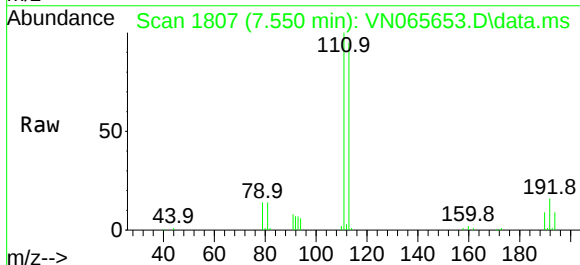
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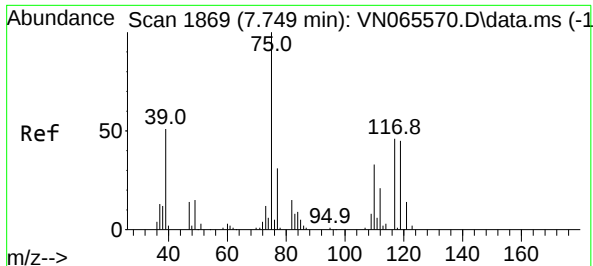
Tgt Ion:	114	Resp:	348433
Ion Ratio	Lower	Upper	
114	100		
63	21.9	0.0	38.6
88	17.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 47.96 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion:	113	Resp:	99037
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.2	123.2
192	17.0	15.4	23.0



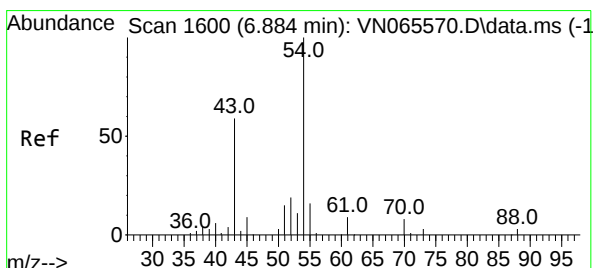
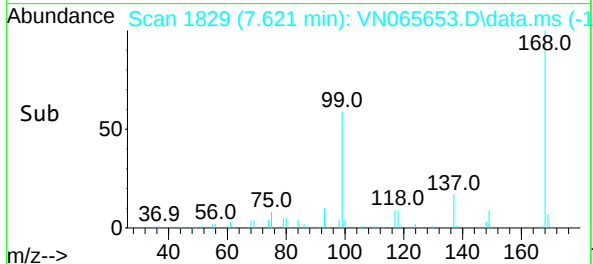
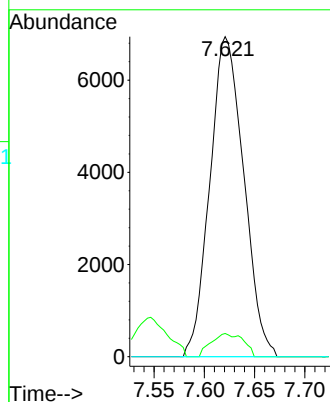
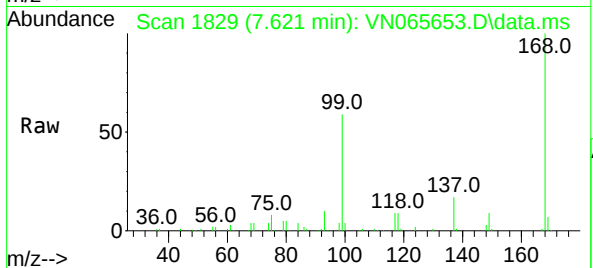


#36

1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.128 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

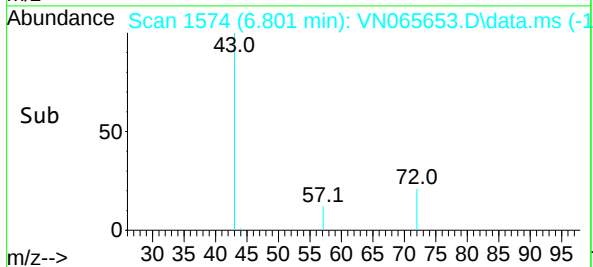
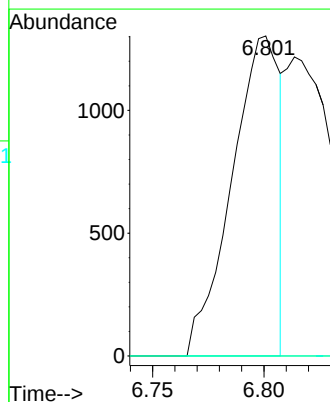
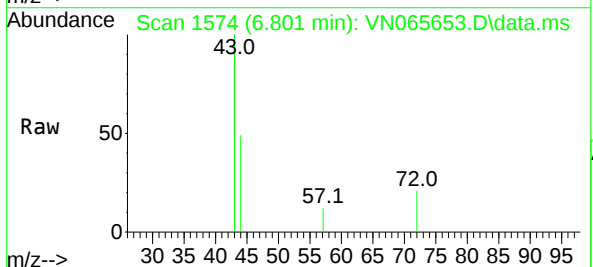
Tgt Ion: 75 Resp: 16243
Ion Ratio Lower Upper
75 100
110 6.9 18.2 54.6#
77 0.0 24.9 37.3#

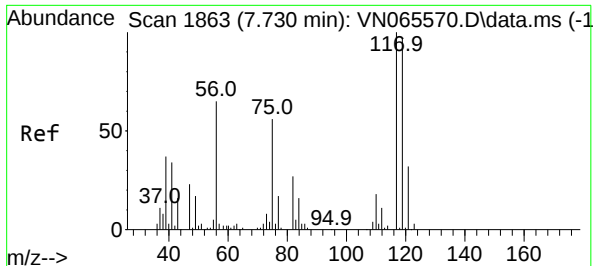


#37

Ethyl Acetate
Concen: 0.58 ug/l
RT: 6.801 min Scan# 1574
Delta R.T. -0.083 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

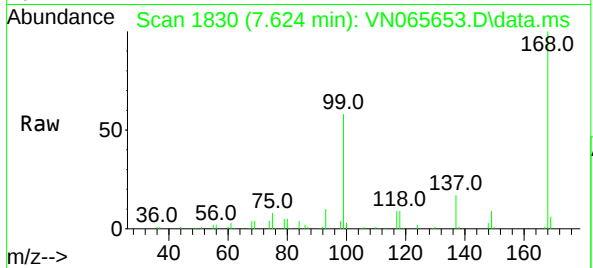
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



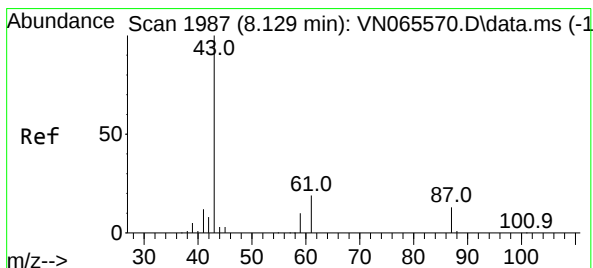
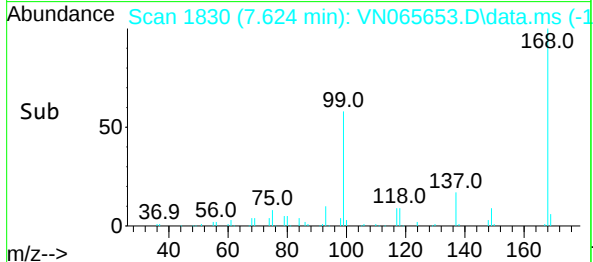
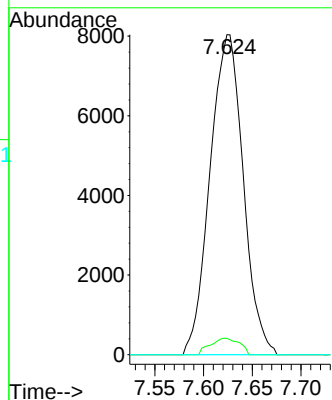


#38
Carbon Tetrachloride
Concen: 6.60 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.106 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

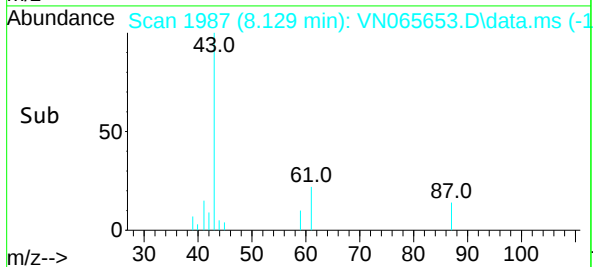
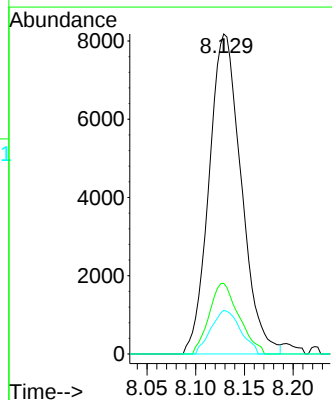
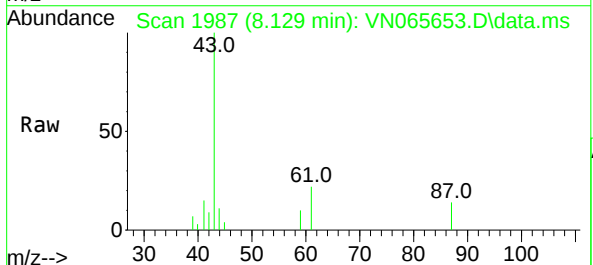


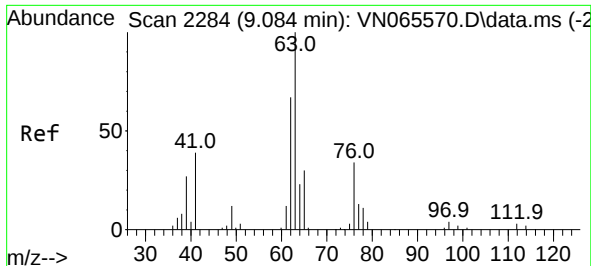
Tgt Ion:117 Resp: 19042
Ion Ratio Lower Upper
117 100
119 5.1 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.15 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 43 Resp: 18795
Ion Ratio Lower Upper
43 100
61 20.4 22.5 33.7#
87 12.5 11.1 16.7

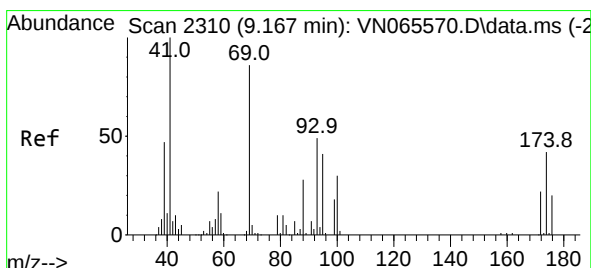
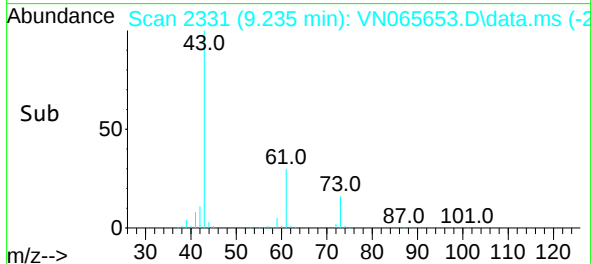
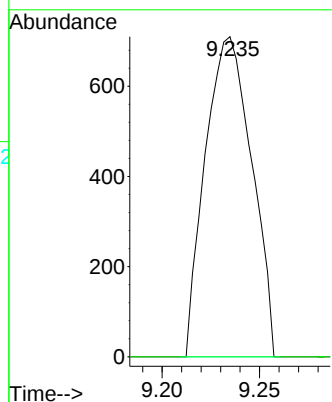
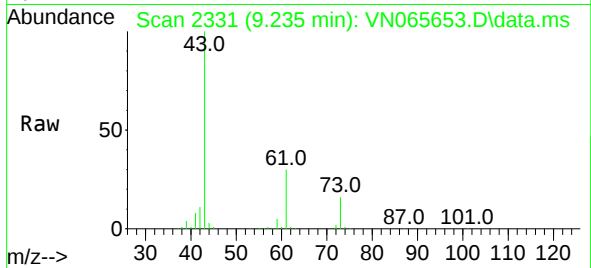




#45
1,2-Dichloropropane
Concen: 0.40 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.151 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

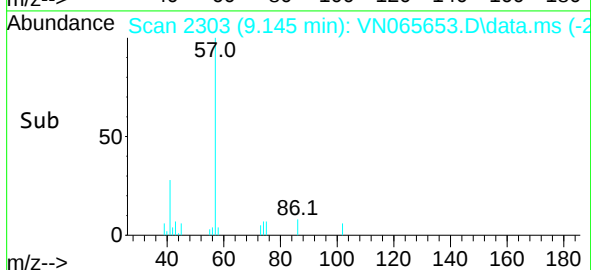
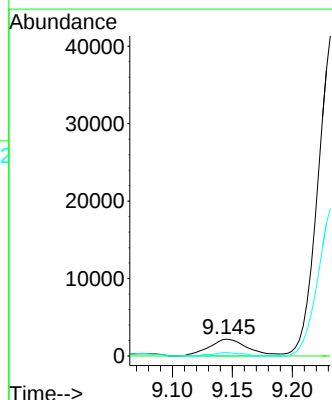
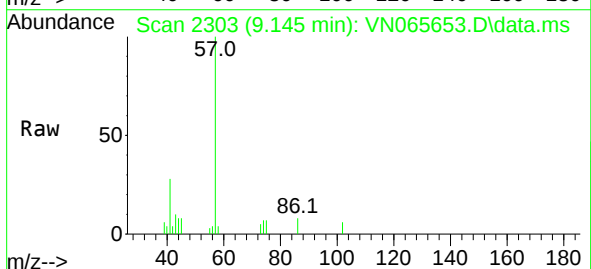
Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

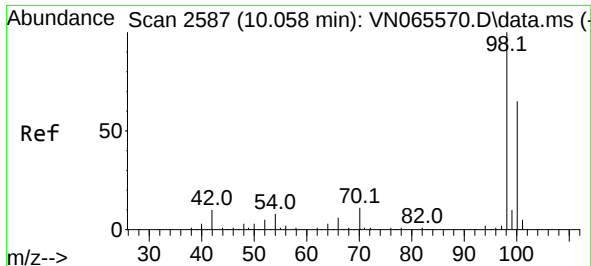
Tgt Ion: 63 Resp: 1177
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.71 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.022 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 41 Resp: 4851
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

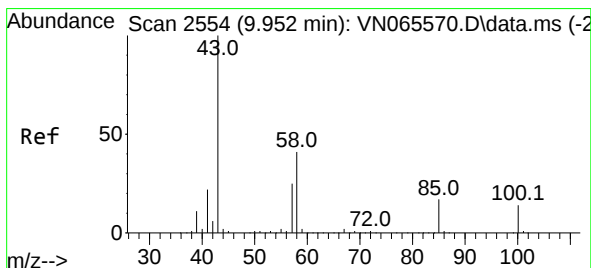
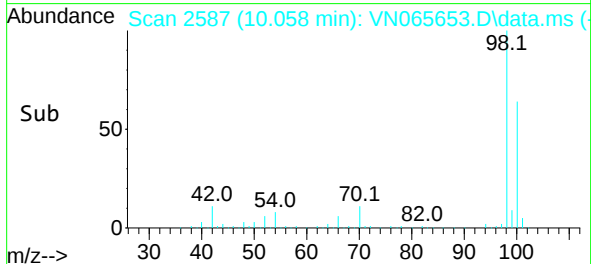
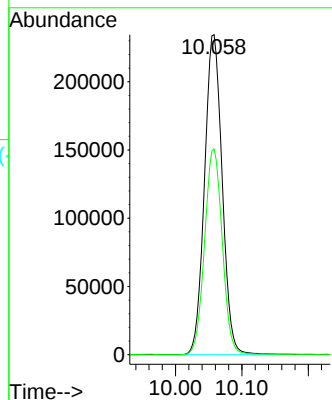
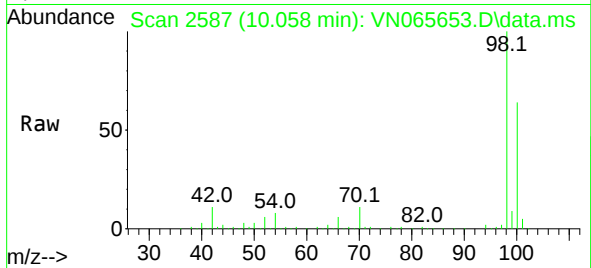




#50
Toluene-d8
Concen: 53.44 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

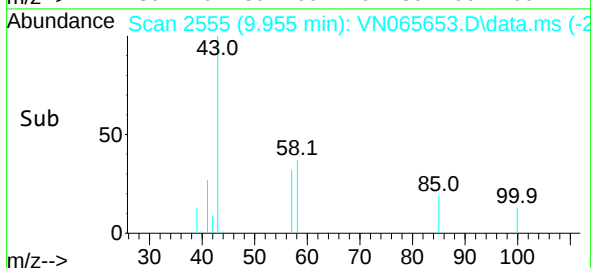
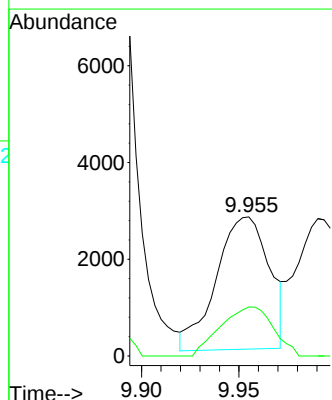
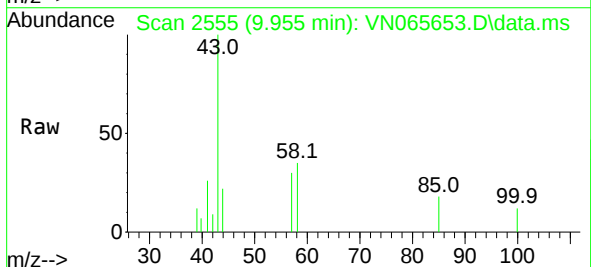
Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

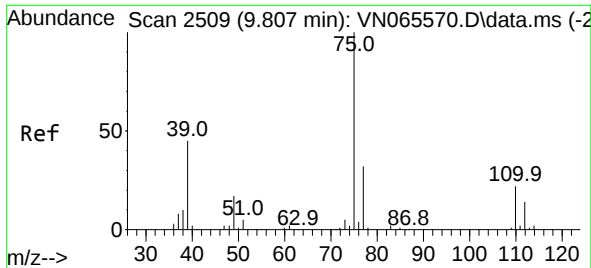
Tgt Ion: 98 Resp: 433767
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.58 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.003 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 43 Resp: 5183
Ion Ratio Lower Upper
43 100
58 36.6 32.5 48.7

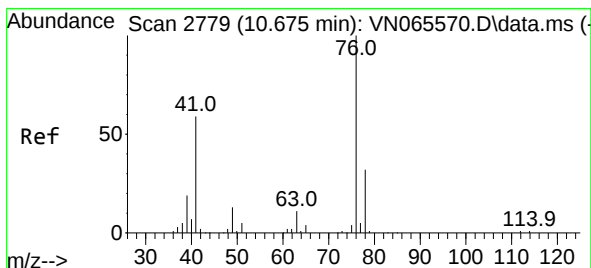
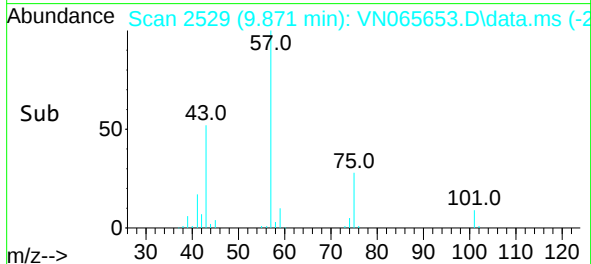
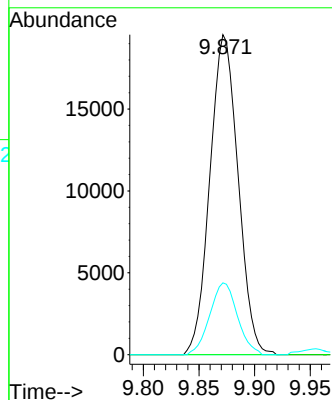
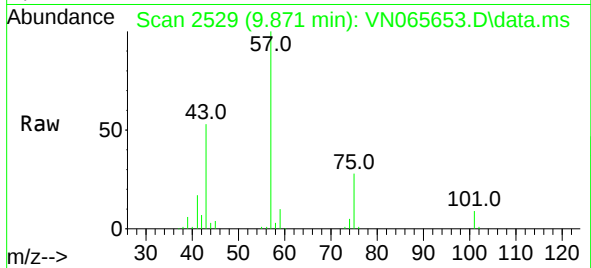




#54
cis-1,3-Dichloropropene
Concen: 7.59 ug/l
RT: 9.871 min Scan# 2529
Delta R.T. 0.064 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

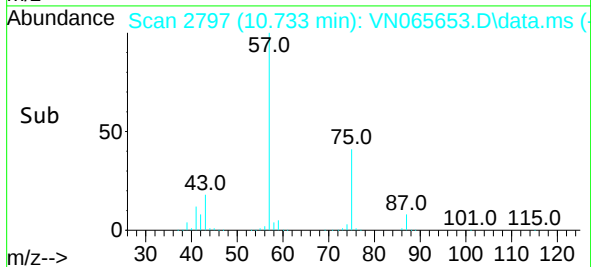
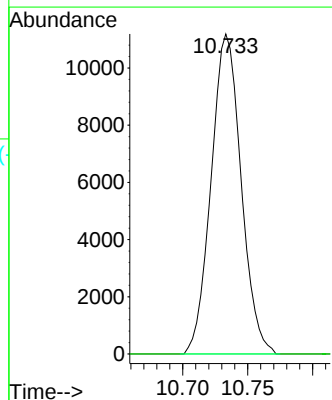
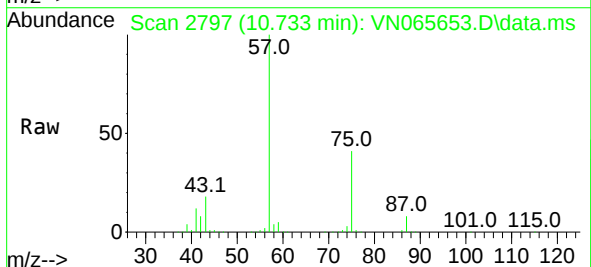
Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

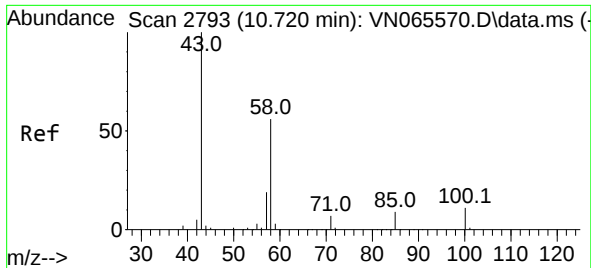
Tgt Ion: 75 Resp: 34391
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 22.5 36.2 54.4#



#57
1,3-Dichloropropane
Concen: 4.22 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.058 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 76 Resp: 17954
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

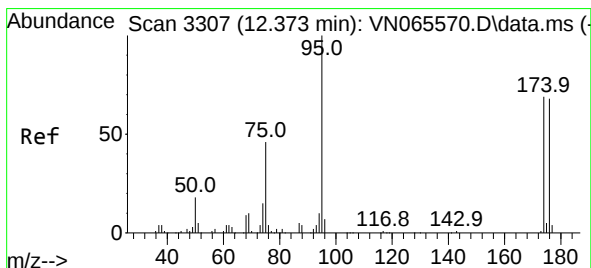
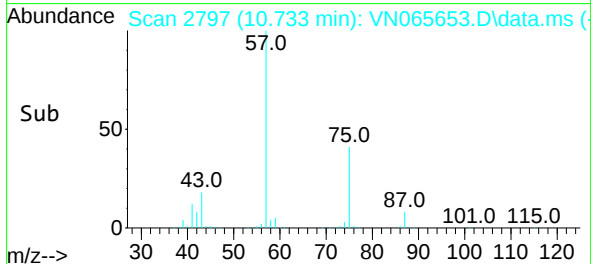
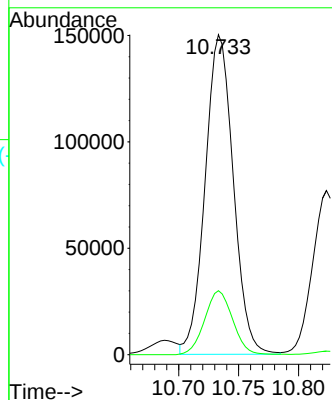
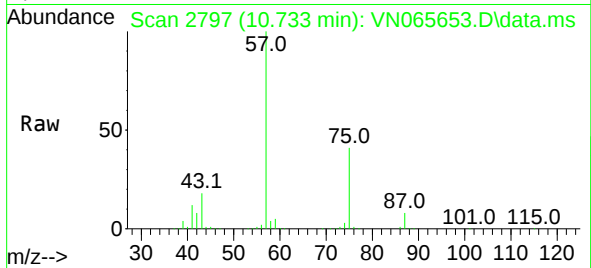




#59
2-Hexanone
Concen: 107.39 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

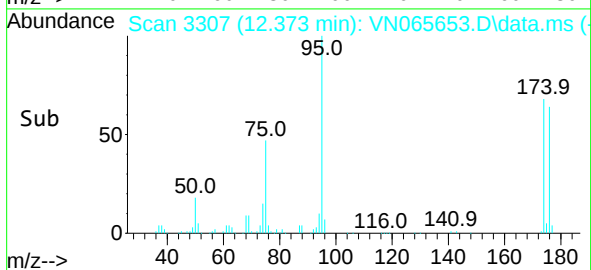
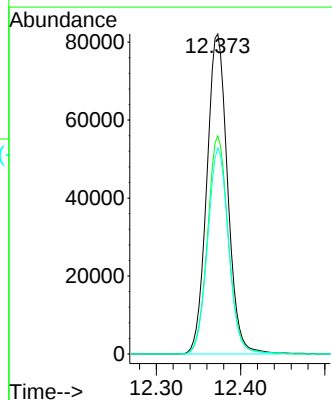
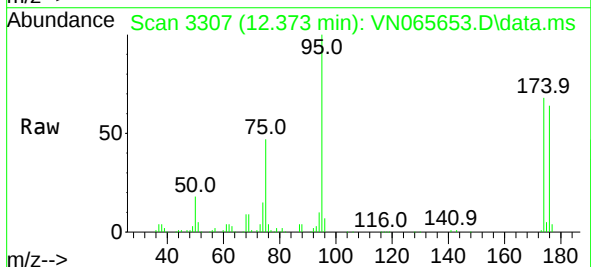
Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

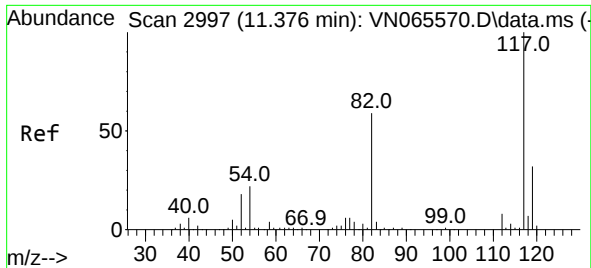
Tgt Ion: 43 Resp: 245156
Ion Ratio Lower Upper
43 100
58 20.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 48.22 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.000 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 95 Resp: 140944
Ion Ratio Lower Upper
95 100
174 68.4 0.0 169.0
176 64.8 0.0 162.4

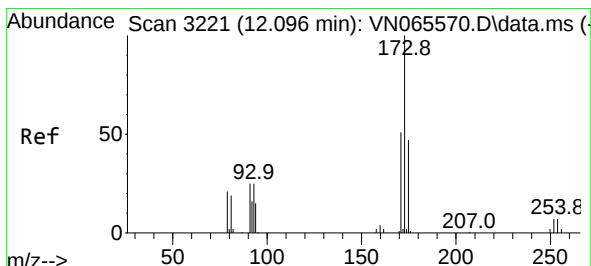
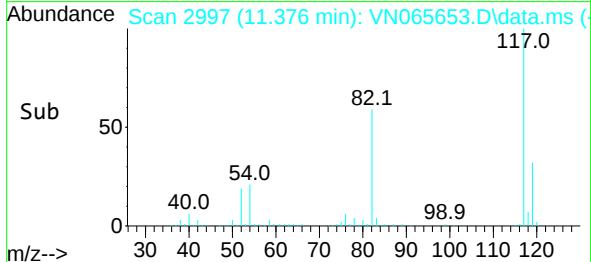
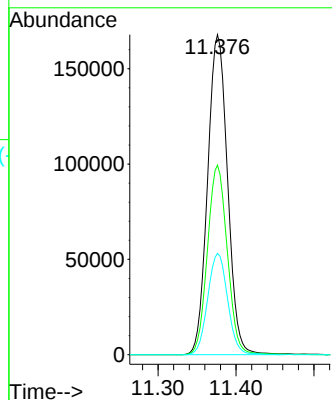
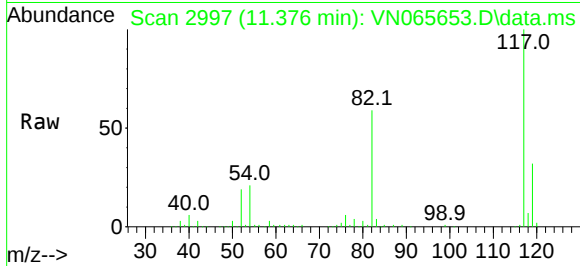




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

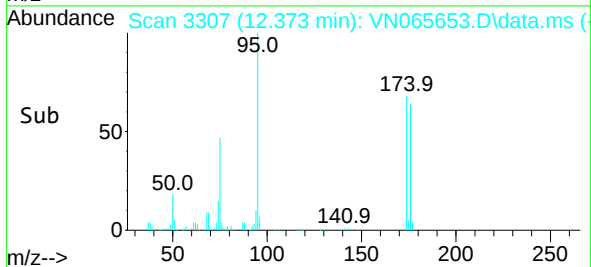
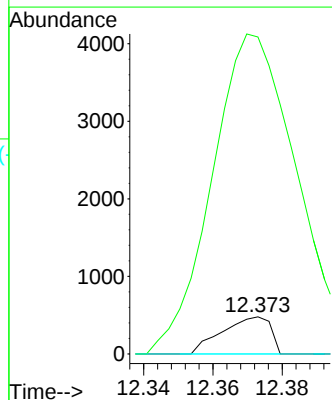
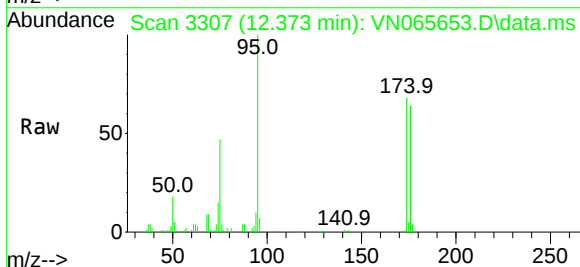
Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

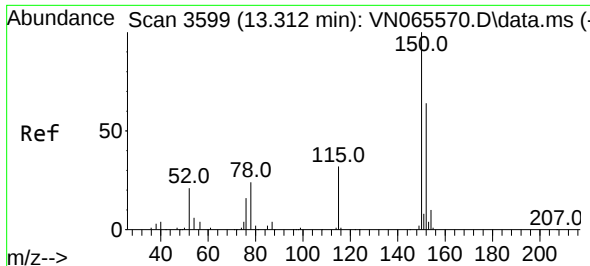
Tgt Ion:	117	Resp:	298651
Ion Ratio	Lower	Upper	
117	100		
82	59.2	43.7	65.5
119	31.6	26.1	39.1



#71
Bromoform
Concen: 0.30 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.277 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion:	173	Resp:	465
Ion Ratio	Lower	Upper	
173	100		
175	1275.7	23.8	71.2#
254	0.0	0.0	0.0

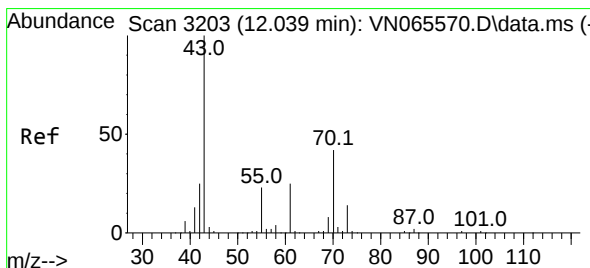
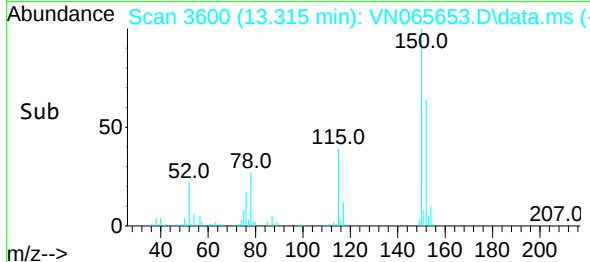
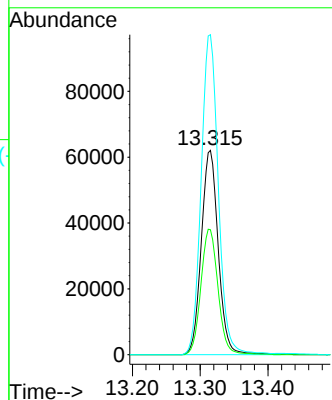
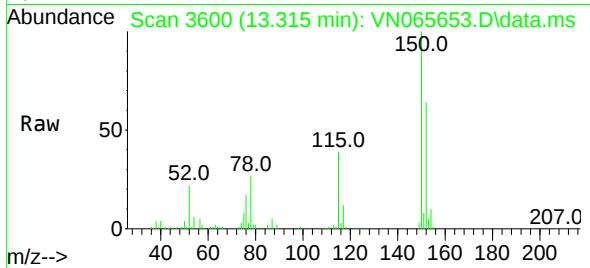




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

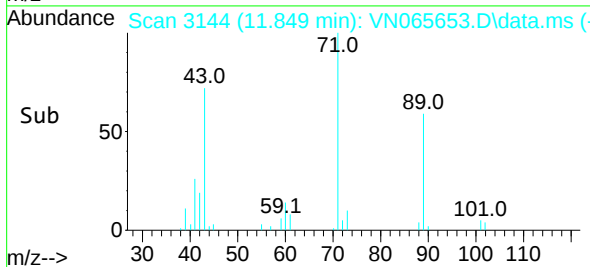
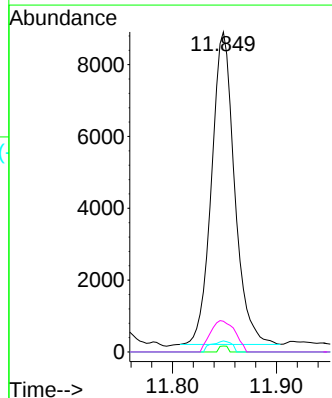
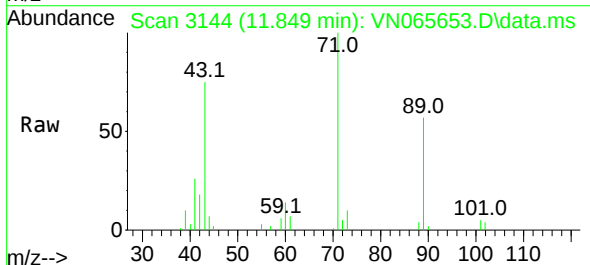
Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

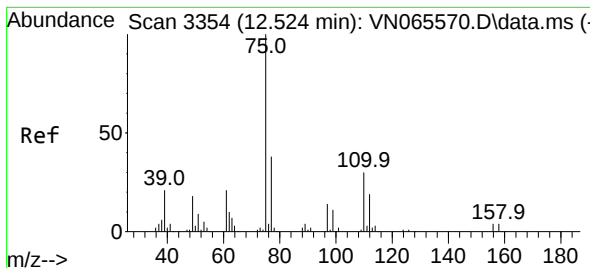
Tgt Ion:152 Resp: 107734
Ion Ratio Lower Upper
152 100
115 62.0 28.5 85.6
150 158.1 0.0 347.6



#74
N-ethyl acetate
Concen: 3.35 ug/l
RT: 11.849 min Scan# 3144
Delta R.T. -0.190 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

Tgt Ion: 43 Resp: 13363
Ion Ratio Lower Upper
43 100
70 0.7 34.4 51.6#
55 3.1 20.7 31.1#
61 10.8 19.1 28.7#

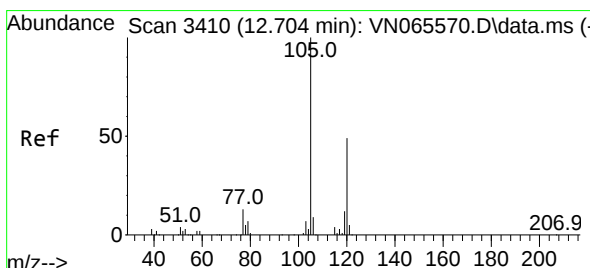
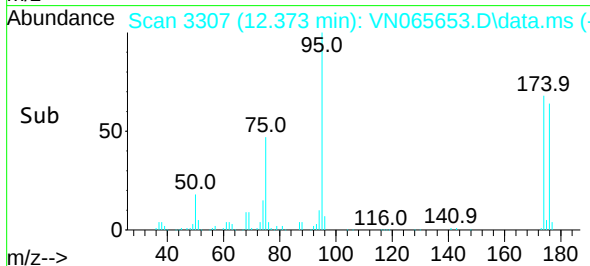
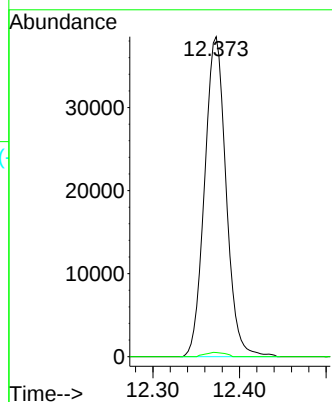
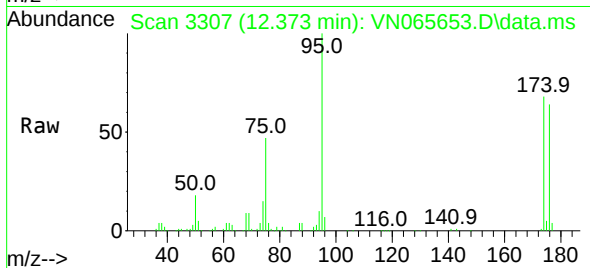




#76
1,2,3-Trichloropropane
Concen: 23.58 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

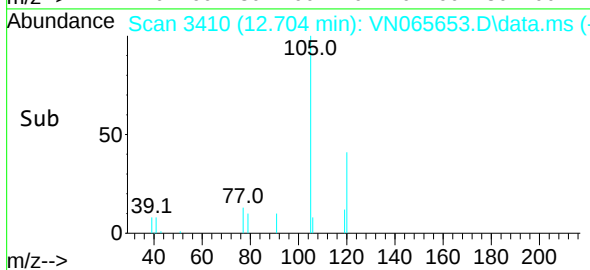
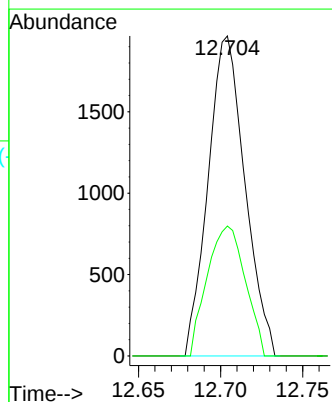
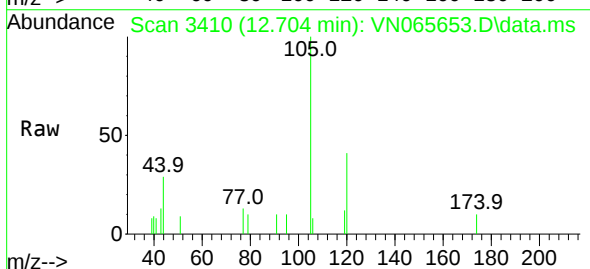
Instrument :
MSVOA_N
ClientSampleId :
PB134372ZHE#01

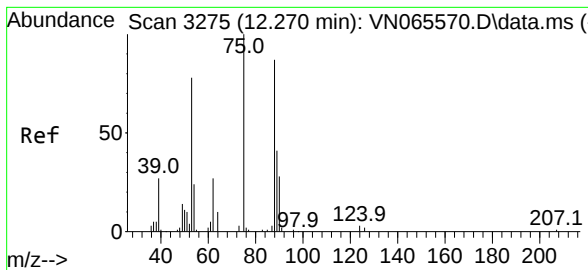
Tgt Ion: 75 Resp: 66417
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.38 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN065653.D
Acq: 28 Jan 2021 16:40

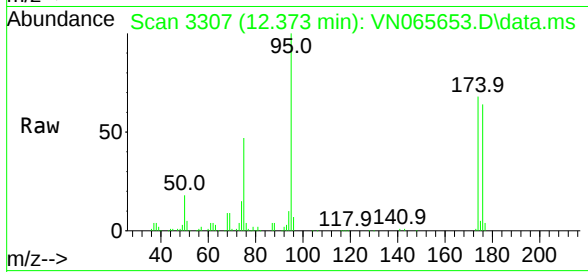
Tgt Ion: 105 Resp: 3060
Ion Ratio Lower Upper
105 100
120 41.9 24.3 72.8





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.39 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.103 min
 Lab File: VN065653.D
 Acq: 28 Jan 2021 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 PB134372ZHE#01



Tgt Ion: 75 Resp: 66417
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.0 35.8 53.8#

