

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
 Data File : VN065404.D
 Acq On : 6 Jan 2021 16:53
 Operator : JC/MD
 Sample : M1022-06 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41099

Quant Time: Jan 07 01:29:18 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)

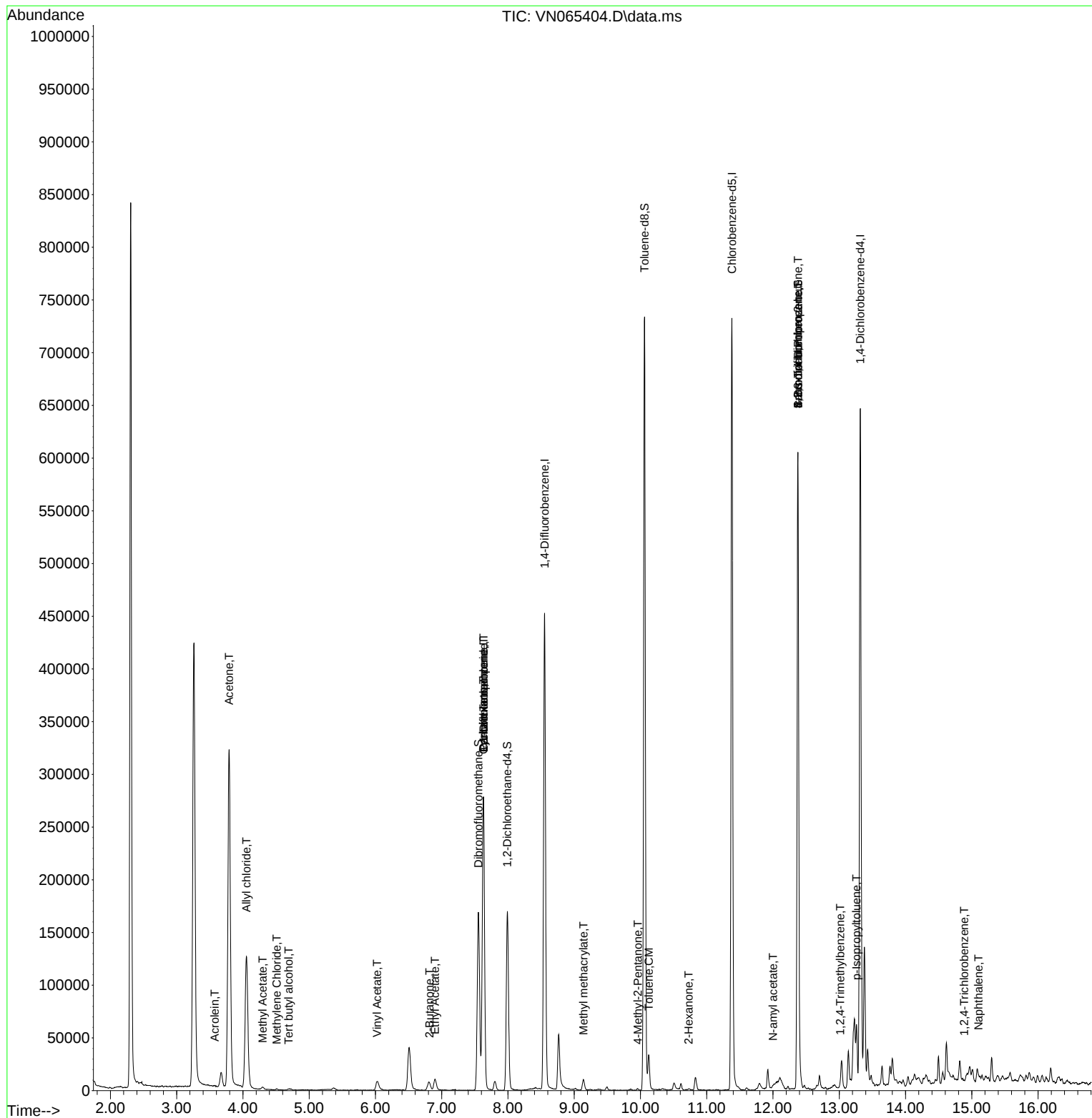
Internal Standards						
1) Pentafluorobenzene	7.630	168	258211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	430816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	459006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	200499	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	145782	50.01	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.02%			
35) Dibromofluoromethane	7.553	113	130786	50.32	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.64%			
50) Toluene-d8	10.061	98	539342	55.37	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.74%			
62) 4-Bromofluorobenzene	12.376	95	211193	54.33	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.66%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.688	59	361	0.76	ug/l #	73
13) Acrolein	3.573	56	29	2.50	ug/l #	1
14) Allyl chloride	4.052	41	19614	4.69	ug/l #	62
16) Acetone	3.791	43	528029	439.84	ug/l	95
18) Methyl Acetate	4.296	43	4065	1.55	ug/l #	89
20) Methylene Chloride	4.512	84	768	0.27	ug/l #	85
23) Vinyl Acetate	6.023	43	1784	0.25	ug/l #	71
25) 2-Butanone	6.814	43	3644	2.23	ug/l	98
31) Cyclohexane	7.627	56	4319	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	15842	4.04	ug/l #	50
37) Ethyl Acetate	6.897	43	16688	4.30	ug/l	99
38) Carbon Tetrachloride	7.630	117	21482	5.22	ug/l #	17
48) Methyl methacrylate	9.138	41	3239	1.00	ug/l #	38
51) 4-Methyl-2-Pentanone	9.962	43	1591	0.42	ug/l #	67
52) Toluene	10.126	92	13348	1.82	ug/l	96
59) 2-Hexanone	10.727	43	954	0.34	ug/l	74
71) Bromoform	12.376	173	1501	0.48	ug/l #	1
74) N-amyl acetate	12.000	43	1818	0.30	ug/l #	50
76) 1,2,3-Trichloropropane	12.376	75	102822	25.14	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	102822	63.39	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.016	105	3329	0.26	ug/l	69
86) p-Isopropyltoluene	13.260	119	34330	2.54	ug/l	97
93) 1,2,4-Trichlorobenzene	14.884	180	60	2.85	ug/l #	1
95) Naphthalene	15.103	128	1368	3.49	ug/l #	79

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

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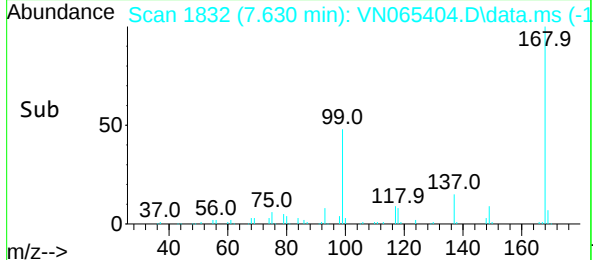
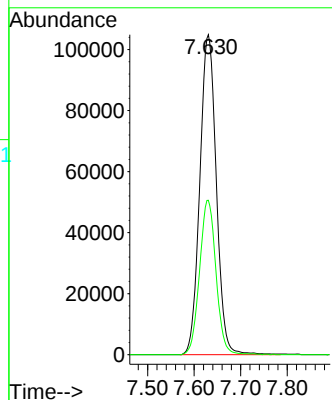
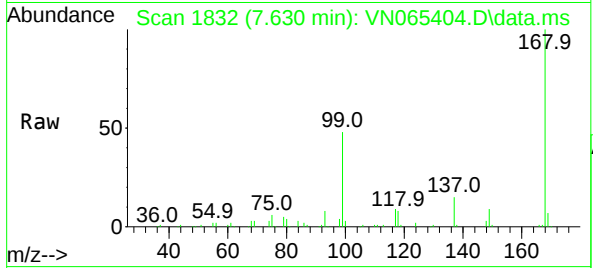




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

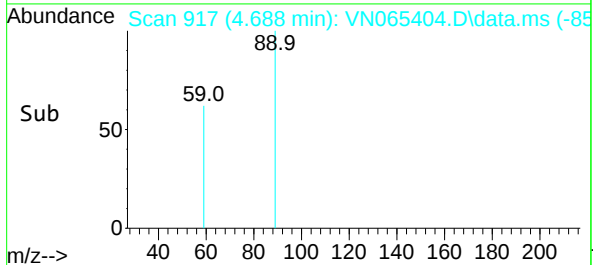
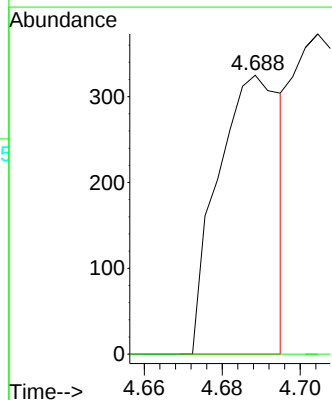
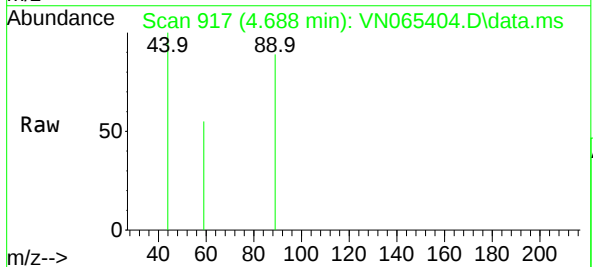
Instrument :
MSVOA_N
ClientSampled :
41099

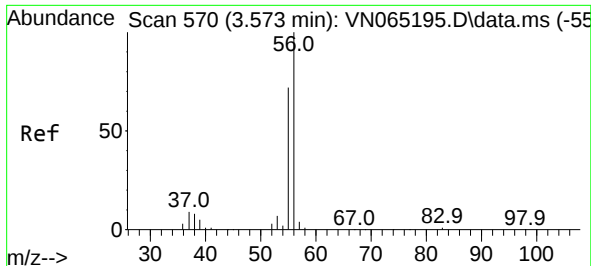
Tgt Ion:168 Resp: 258211
Ion Ratio Lower Upper
168 100
99 48.3 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.76 ug/l
RT: 4.688 min Scan# 917
Delta R.T. -0.084 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Tgt Ion: 59 Resp: 361
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

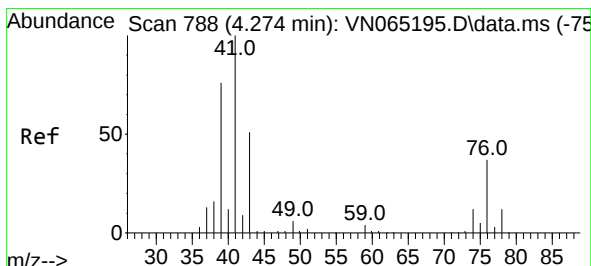
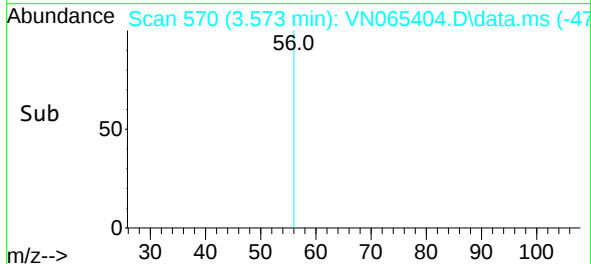
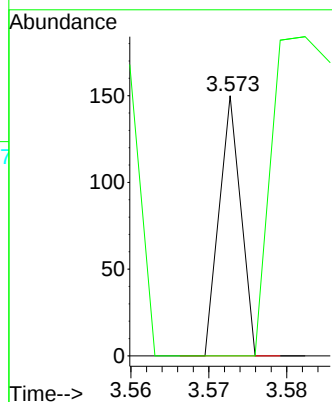
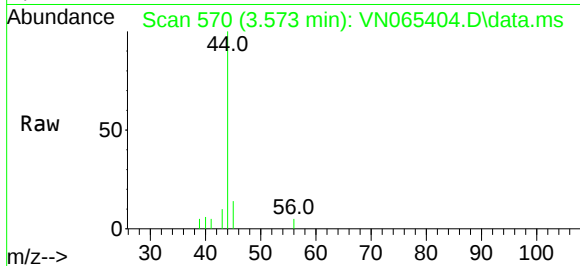




#13
Acrolein
Concen: 2.50 ug/l
RT: 3.573 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

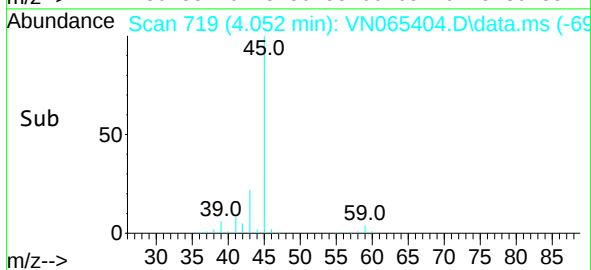
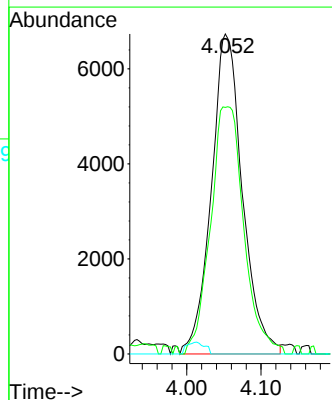
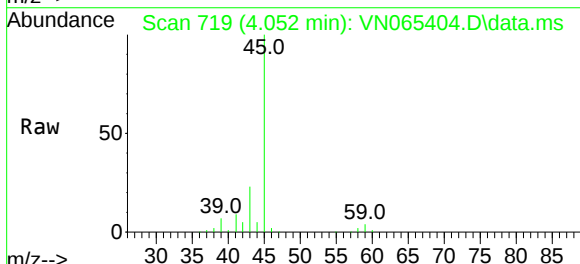
Instrument :
MSVOA_N
ClientSampled :
41099

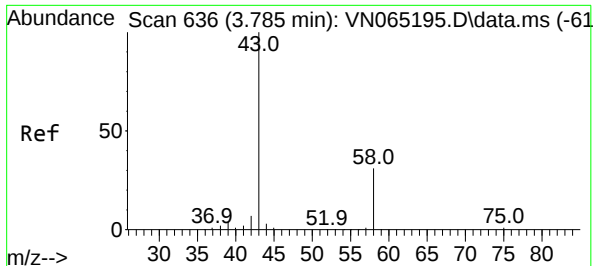
Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 465.5 56.5 84.7#



#14
Allyl chloride
Concen: 4.69 ug/l
RT: 4.052 min Scan# 719
Delta R.T. -0.222 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

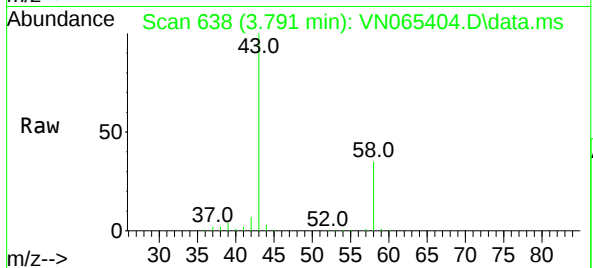
Tgt Ion: 41 Resp: 19614
Ion Ratio Lower Upper
41 100
39 82.7 50.9 76.3#
76 0.0 29.0 43.4#



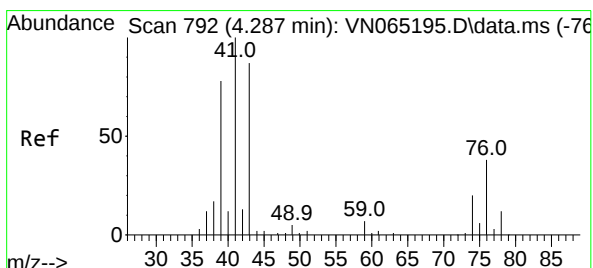
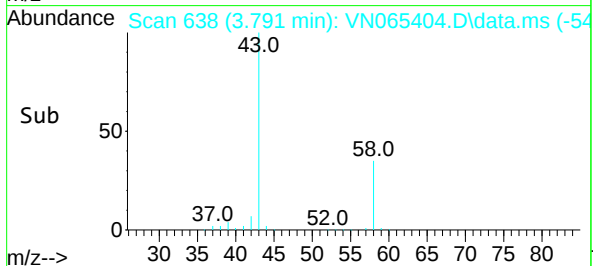
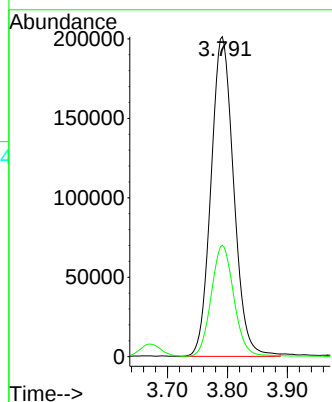


#16
Acetone
Concen: 439.84 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Instrument :
MSVOA_N
ClientSampled :
41099

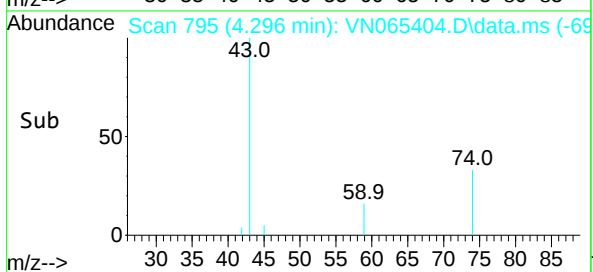
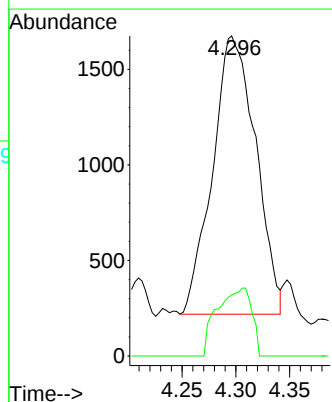
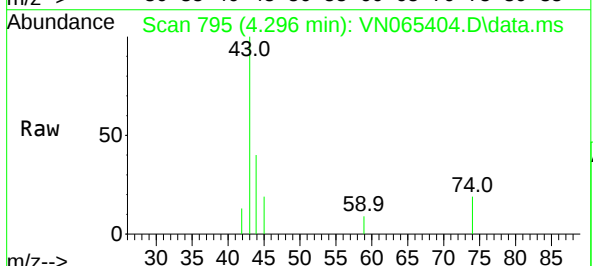


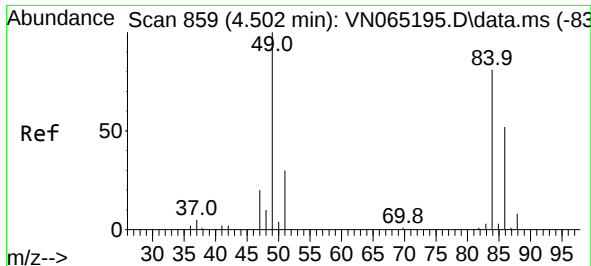
Tgt Ion: 43 Resp: 528029
Ion Ratio Lower Upper
43 100
58 34.7 25.7 38.5



#18
Methyl Acetate
Concen: 1.55 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.009 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Tgt Ion: 43 Resp: 4065
Ion Ratio Lower Upper
43 100
74 19.5 20.2 30.2#





#20

Methylene Chloride

Concen: 0.27 ug/l

RT: 4.512 min Scan# 862

Delta R.T. 0.010 min

Lab File: VN065404.D

Acq: 6 Jan 2021 16:53

Tgt Ion: 84 Resp: 768

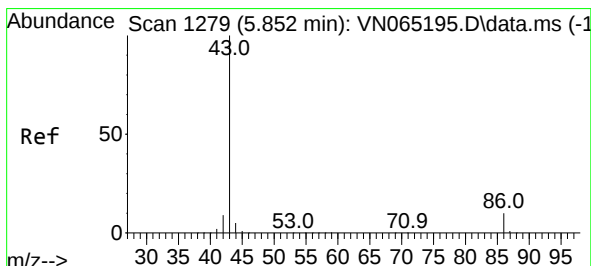
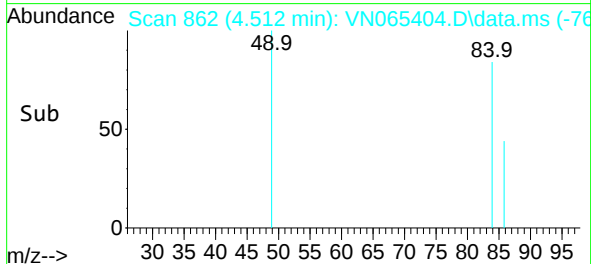
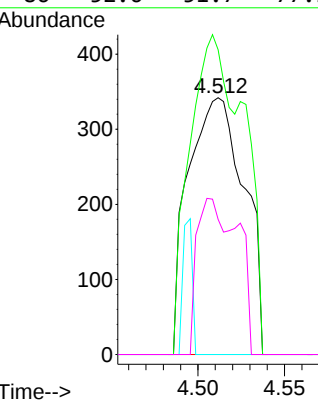
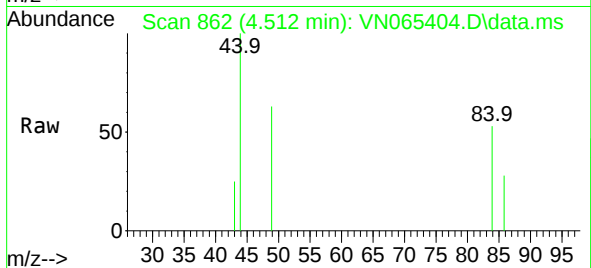
Ion Ratio Lower Upper

84 100

49 118.7 93.4 140.0

51 0.0 28.2 42.4#

86 52.6 51.7 77.5



#23

Vinyl Acetate

Concen: 0.25 ug/l

RT: 6.023 min Scan# 1332

Delta R.T. 0.171 min

Lab File: VN065404.D

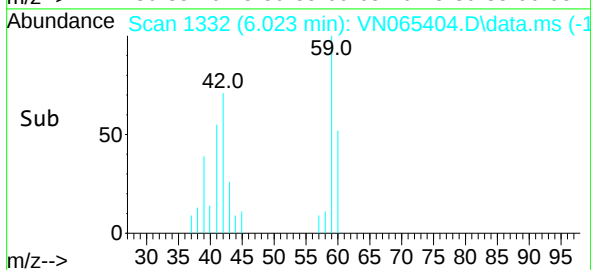
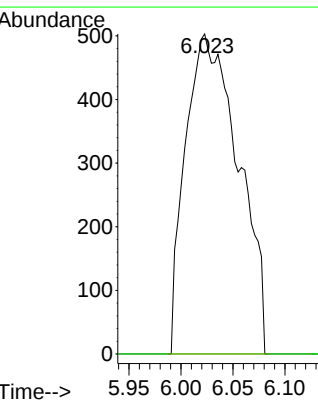
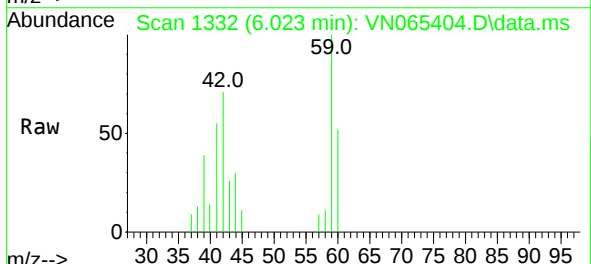
Acq: 6 Jan 2021 16:53

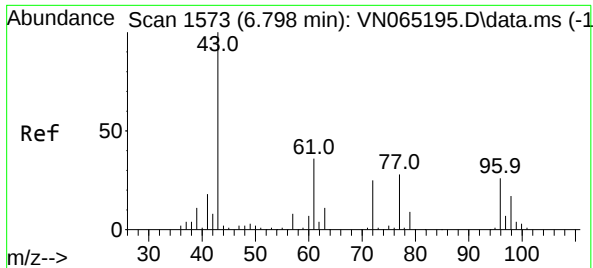
Tgt Ion: 43 Resp: 1784

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#

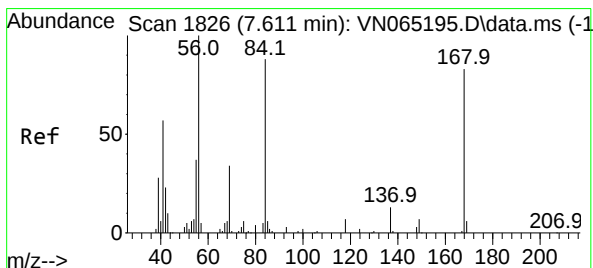
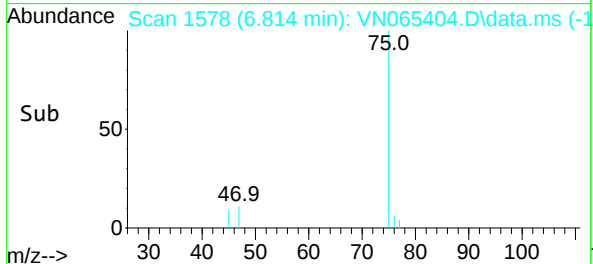
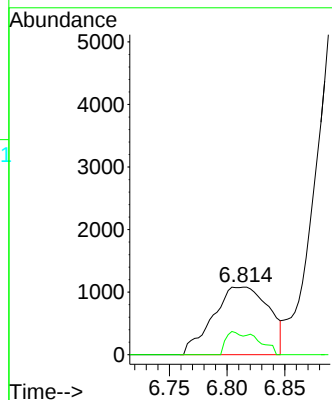
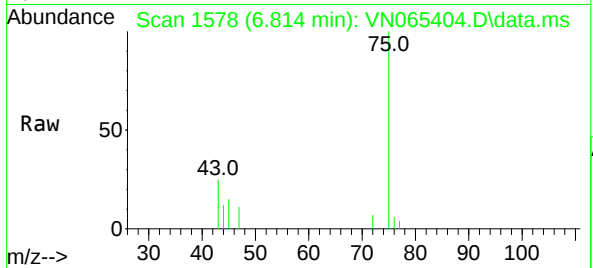




#25
2-Butanone
Concen: 2.23 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

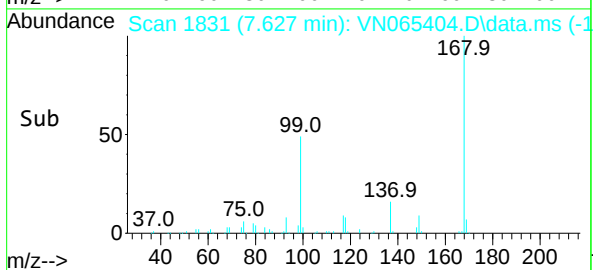
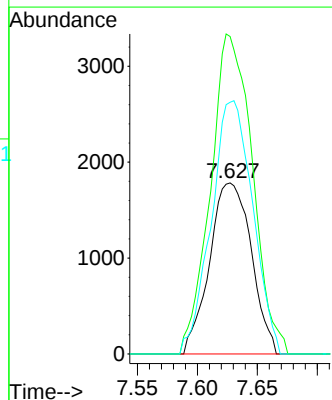
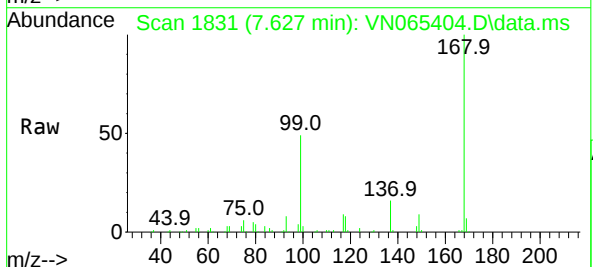
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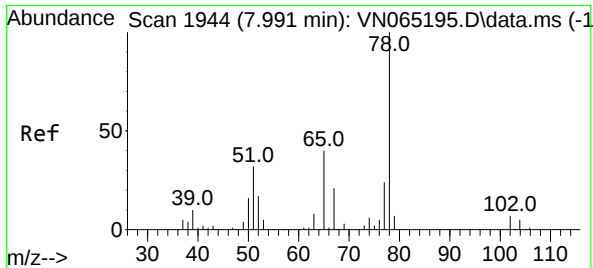
Tgt Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Tgt Ion: 56 Resp: 4319
Ion Ratio Lower Upper
56 100
69 185.7 27.5 41.3#
84 147.2 73.9 110.9#

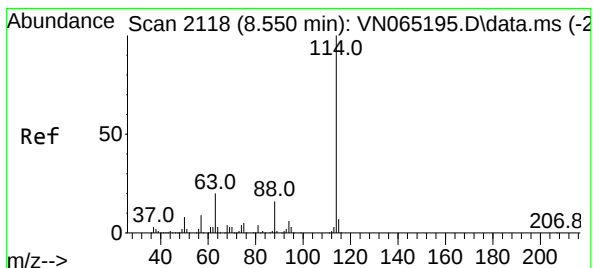
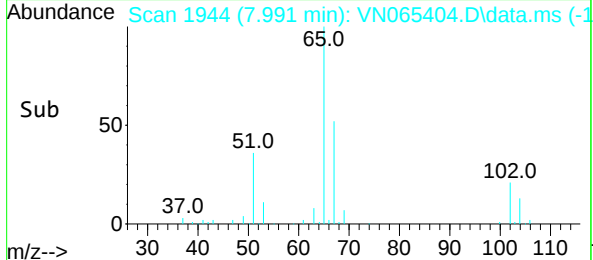
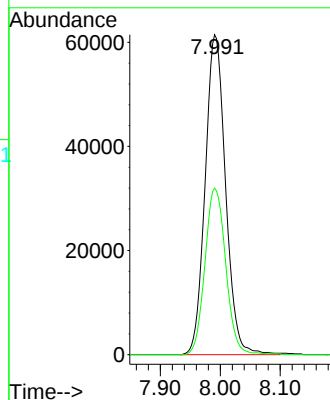
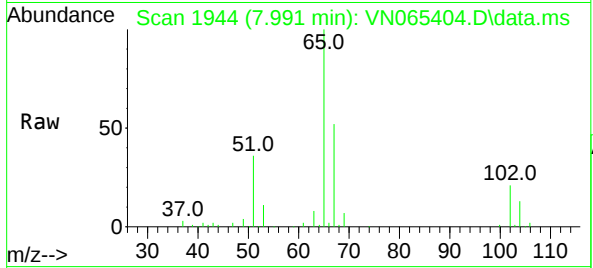




#33
1,2-Dichloroethane-d4
Concen: 50.01 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

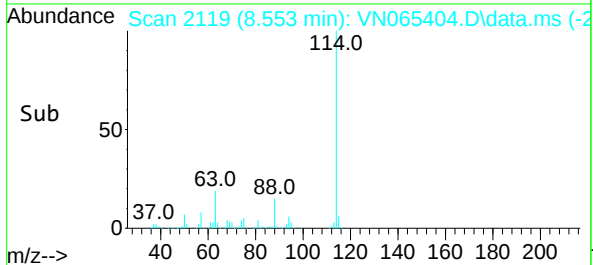
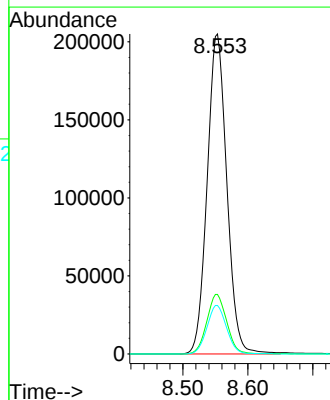
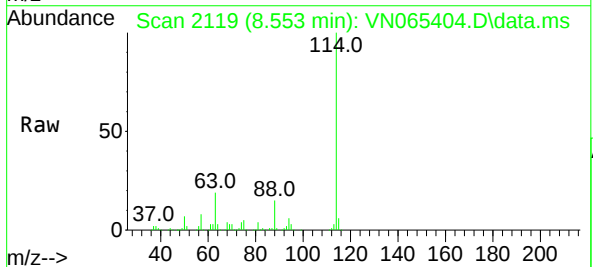
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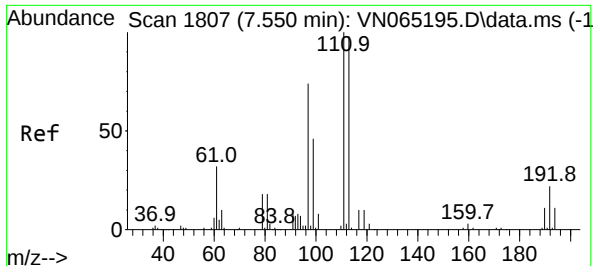
Tgt Ion: 65 Resp: 145782
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

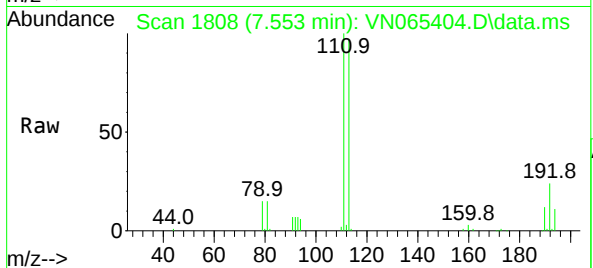
Tgt Ion: 114 Resp: 430816
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.6
88 15.1 0.0 32.6





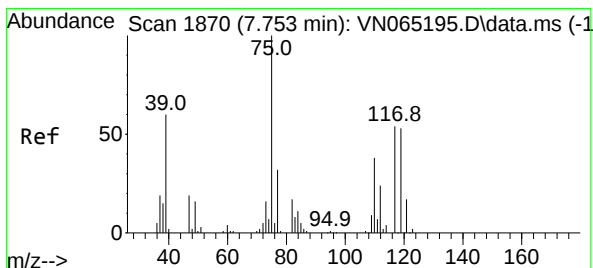
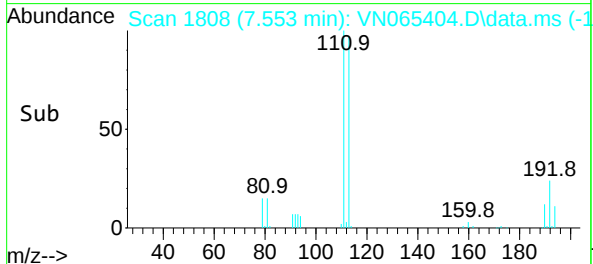
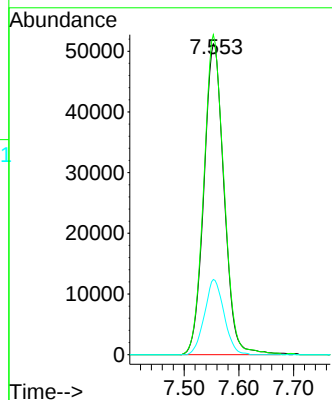
#35
 Dibromofluoromethane
 Concen: 50.32 ug/l
 RT: 7.553 min Scan# 1808
 Delta R.T. 0.003 min
 Lab File: VN065404.D
 Acq: 6 Jan 2021 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:113 Resp: 130786

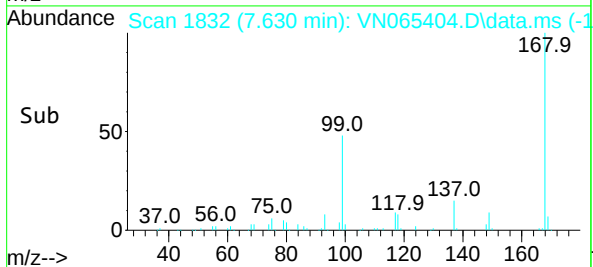
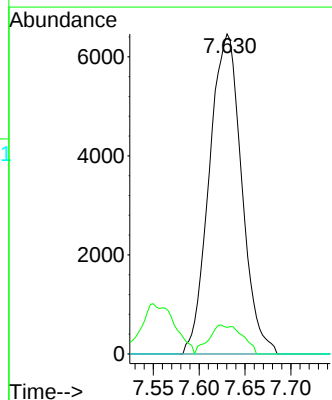
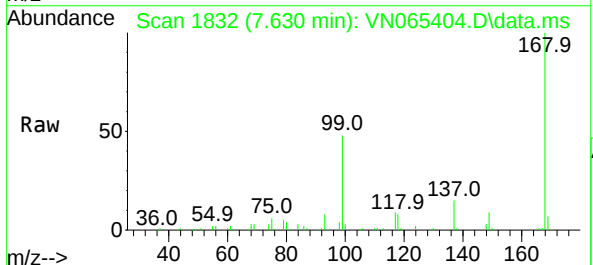
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.6	122.4
192	23.5	16.2	24.2

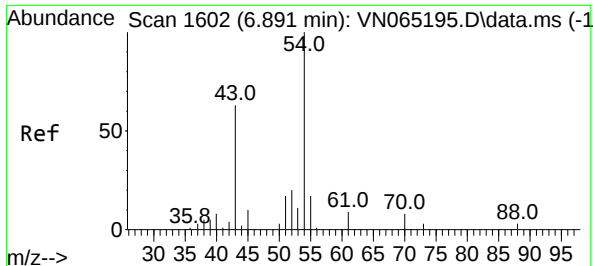


#36
 1,1-Dichloropropene
 Concen: 4.04 ug/l
 RT: 7.630 min Scan# 1832
 Delta R.T. -0.123 min
 Lab File: VN065404.D
 Acq: 6 Jan 2021 16:53

Tgt Ion: 75 Resp: 15842

Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.8	53.3#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 4.30 ug/l

RT: 6.897 min Scan# 1604

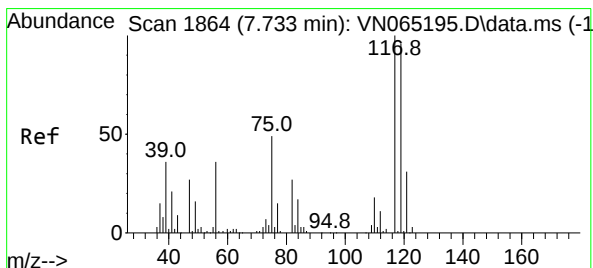
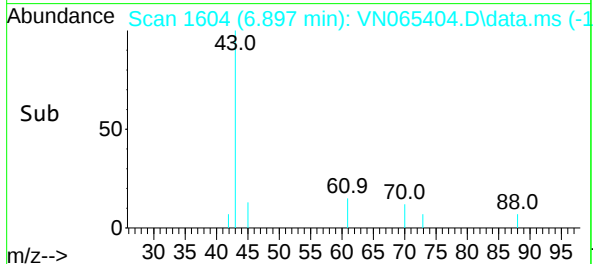
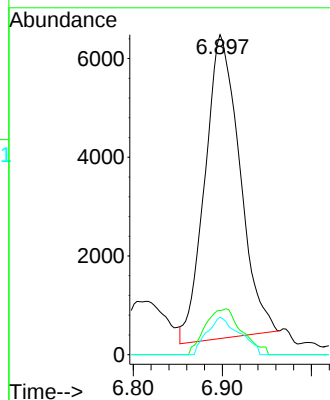
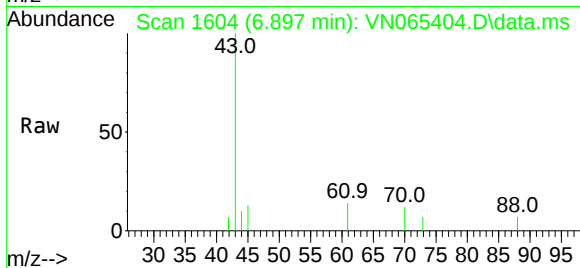
Delta R.T. 0.006 min

Lab File: VN065404.D

Acq: 6 Jan 2021 16:53

Instrument :
MSVOA_N
ClientSampled :
41099

Tgt Ion: 43	Resp: 16688
Ion Ratio	Lower Upper
43 100	
61 16.0	12.8 19.2
70 11.5	8.8 13.2



#38

Carbon Tetrachloride

Concen: 5.22 ug/l

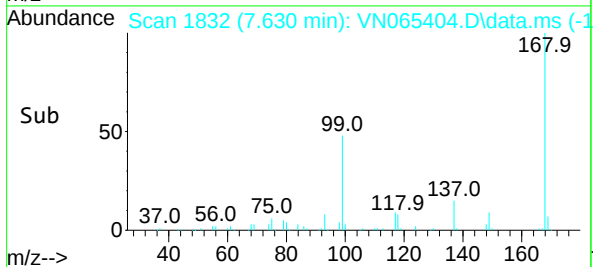
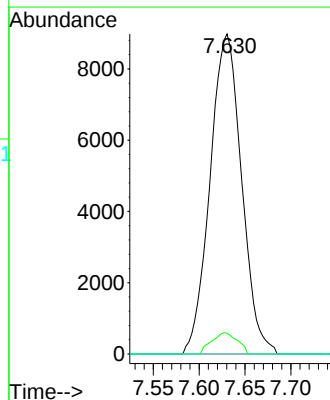
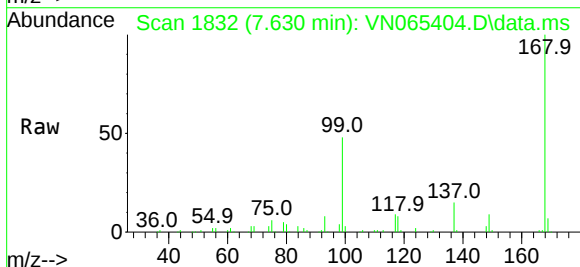
RT: 7.630 min Scan# 1832

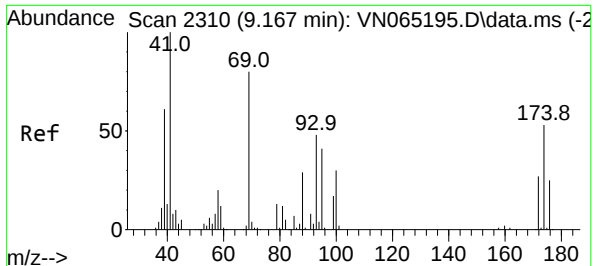
Delta R.T. -0.103 min

Lab File: VN065404.D

Acq: 6 Jan 2021 16:53

Tgt Ion:117	Resp:	21482	
Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.7	115.1#
121	0.0	25.4	38.2#

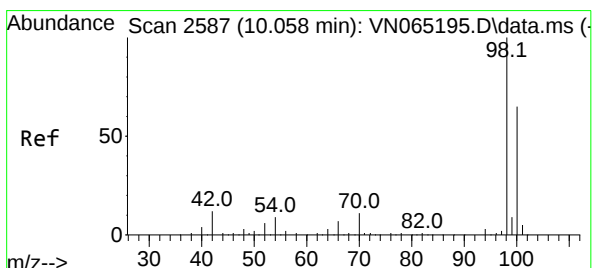
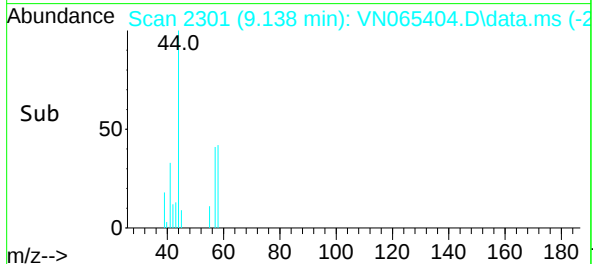
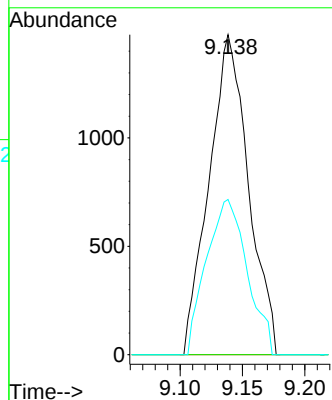
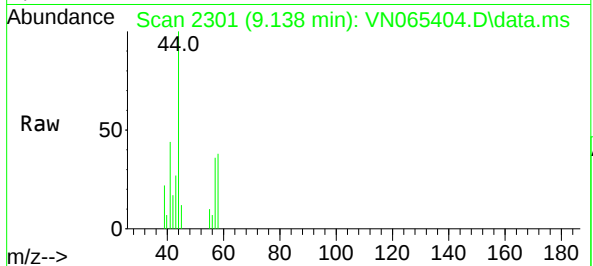




#48
Methyl methacrylate
Concen: 1.00 ug/l
RT: 9.138 min Scan# 2301
Delta R.T. -0.029 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

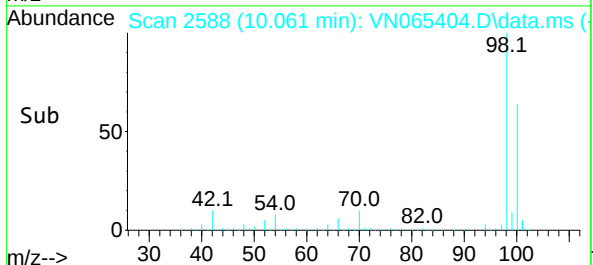
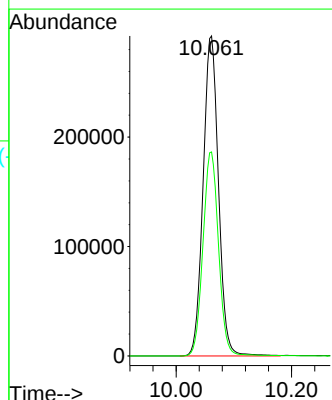
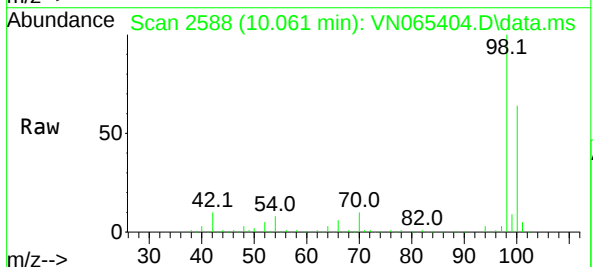
Instrument :
MSVOA_N
ClientSampleId :
41099

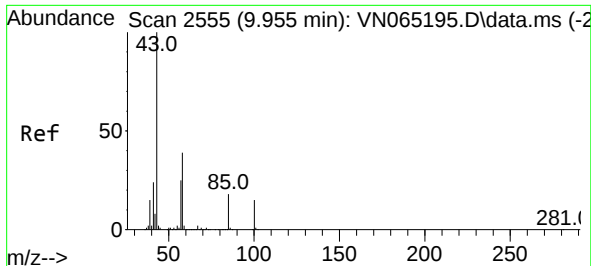
Tgt Ion: 41 Resp: 3239
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 50.3 44.1 66.1



#50
Toluene-d8
Concen: 55.37 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Tgt Ion: 98 Resp: 539342
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

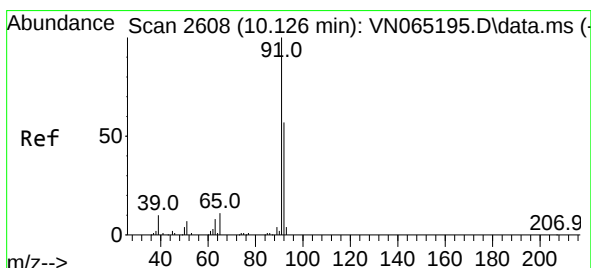
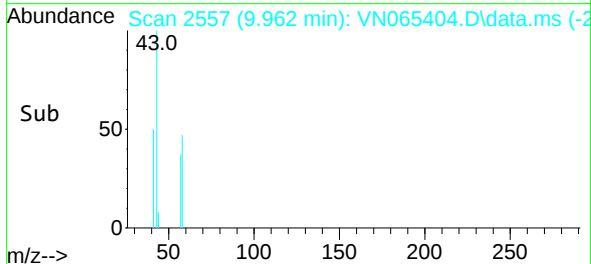
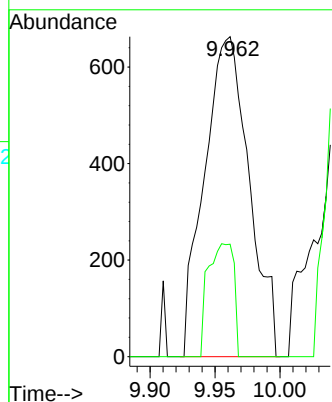
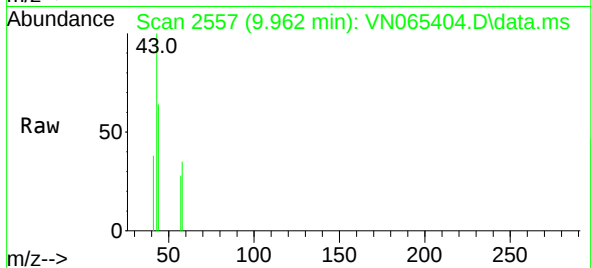




#51
4-Methyl-2-Pentanone
Concen: 0.42 ug/l
RT: 9.962 min Scan# 2557
Delta R.T. 0.007 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

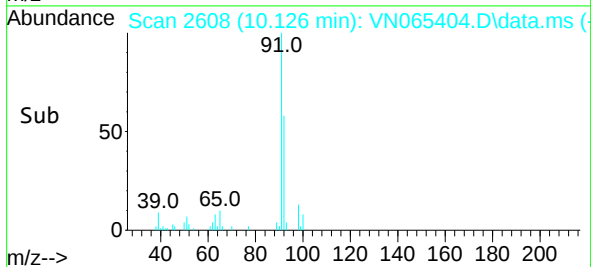
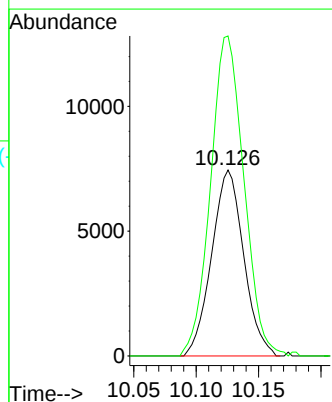
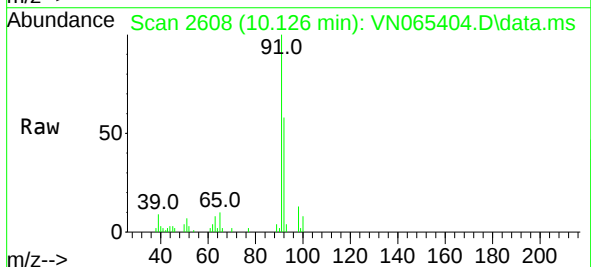
Instrument :
MSVOA_N
ClientSampled :
41099

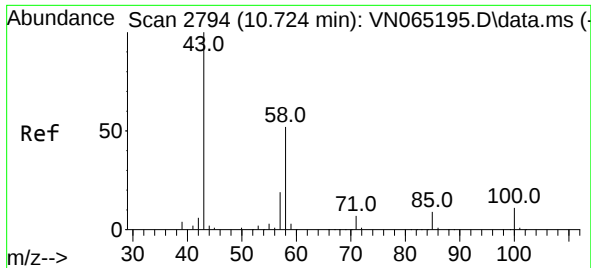
Tgt Ion: 43 Resp: 1591
Ion Ratio Lower Upper
43 100
58 20.2 32.4 48.6#



#52
Toluene
Concen: 1.82 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Tgt Ion: 92 Resp: 13348
Ion Ratio Lower Upper
92 100
91 178.8 139.1 208.7

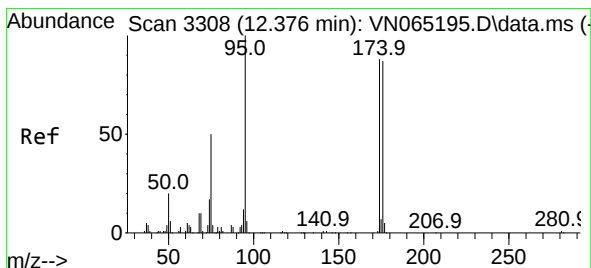
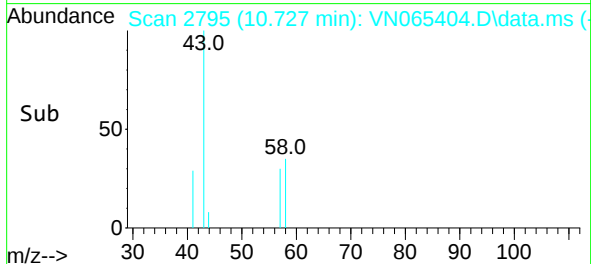
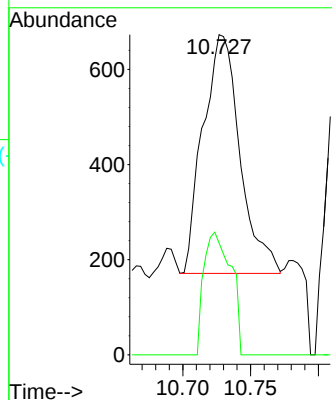
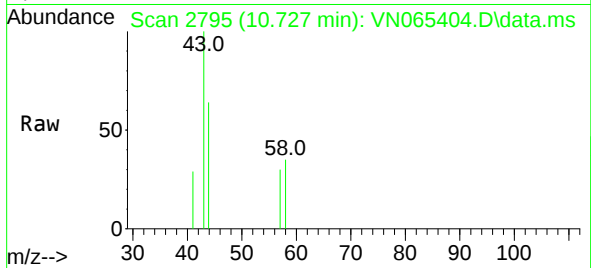




#59
2-Hexanone
Concen: 0.34 ug/l
RT: 10.727 min Scan# 2795
Delta R.T. 0.003 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

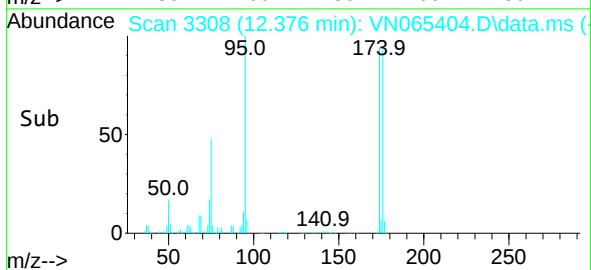
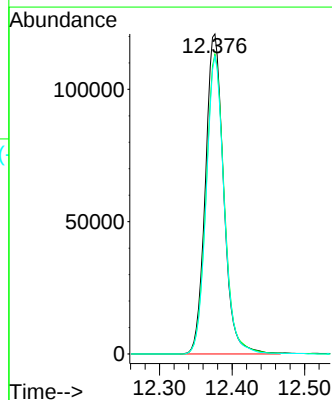
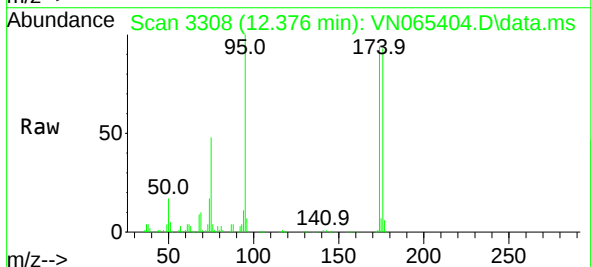
Instrument :
MSVOA_N
ClientSampled :
41099

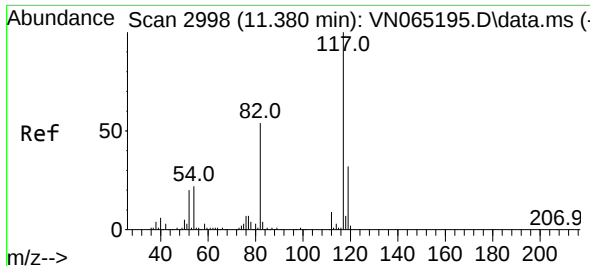
Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
58 37.6 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 54.33 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

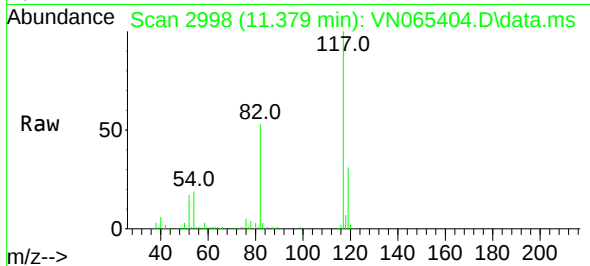
Tgt Ion: 95 Resp: 211193
Ion Ratio Lower Upper
95 100
174 94.1 0.0 160.4
176 91.5 0.0 158.4



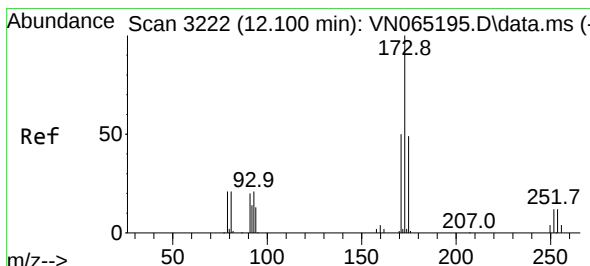
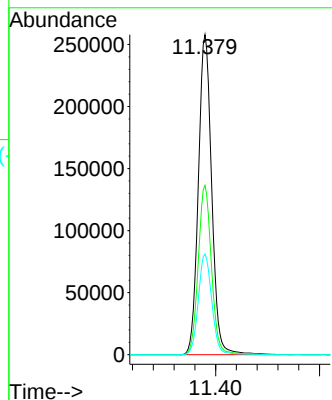
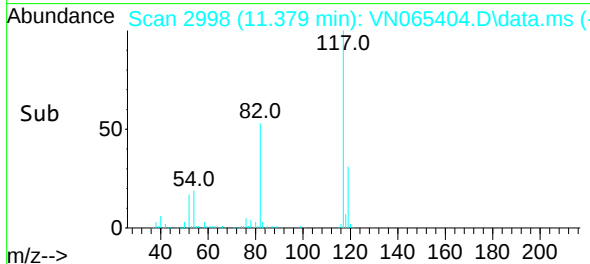


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

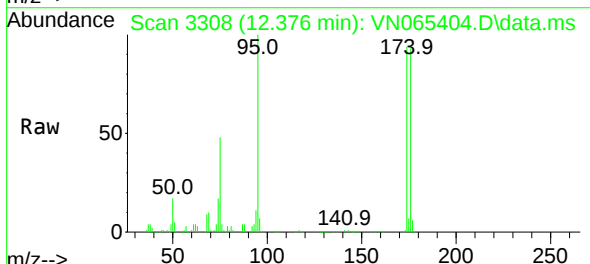
Instrument :
MSVOA_N
ClientSampleId :
41099



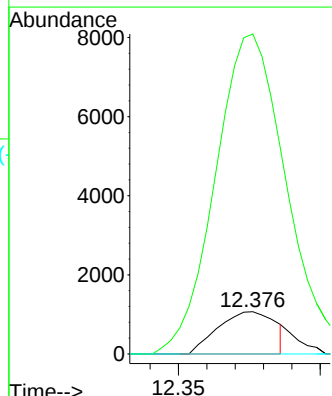
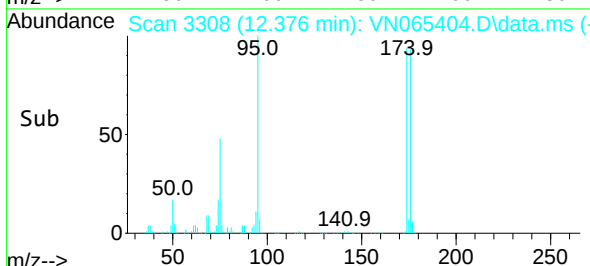
Tgt Ion:117 Resp: 459006
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 31.4 25.8 38.6

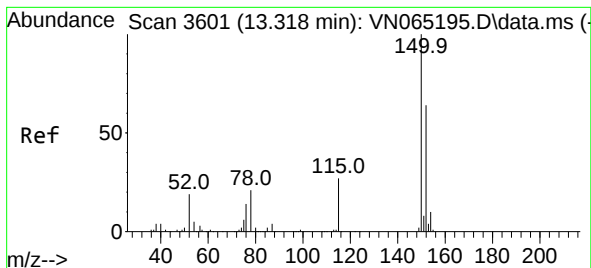


#71
Bromoform
Concen: 0.48 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53



Tgt Ion:173 Resp: 1501
Ion Ratio Lower Upper
173 100
175 784.4 24.3 72.8#
254 0.0 0.0 0.0

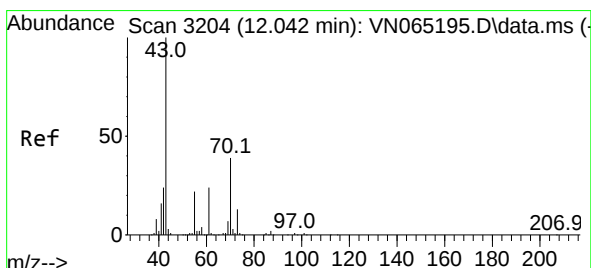
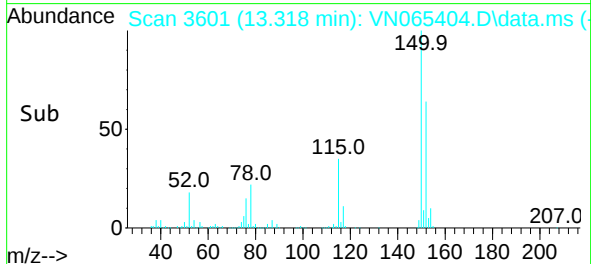
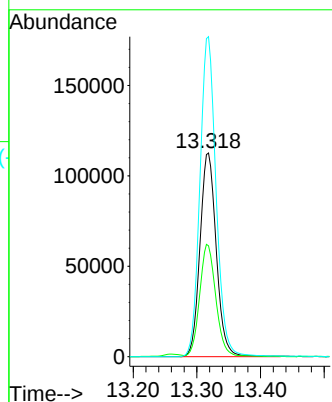
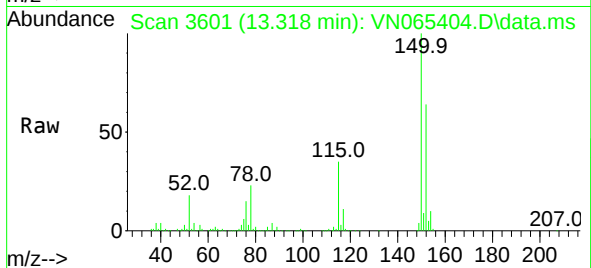




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

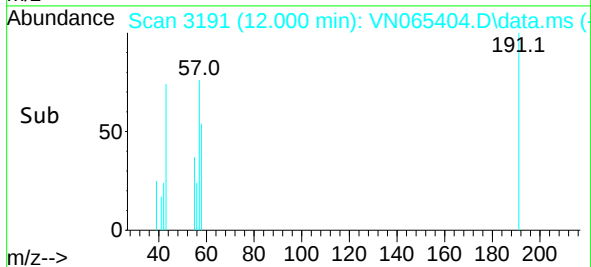
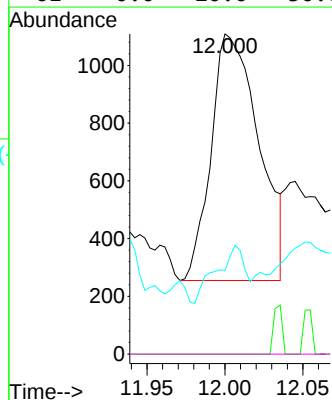
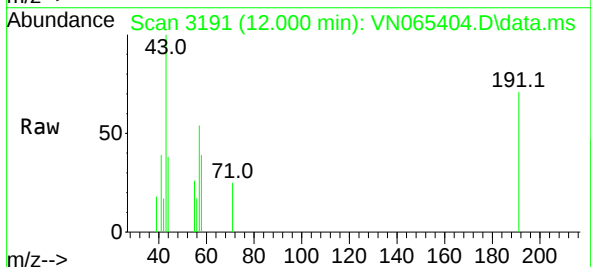
Instrument :
MSVOA_N
ClientSampled :
41099

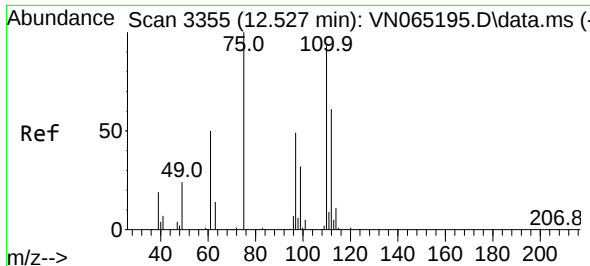
Tgt Ion:152 Resp: 200499
Ion Ratio Lower Upper
152 100
115 54.3 29.7 89.1
150 156.3 0.0 350.6



#74
N-ethyl acetate
Concen: 0.30 ug/l
RT: 12.000 min Scan# 3191
Delta R.T. -0.042 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Tgt Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 14.2 20.4 30.6#
61 0.0 20.0 30.0#

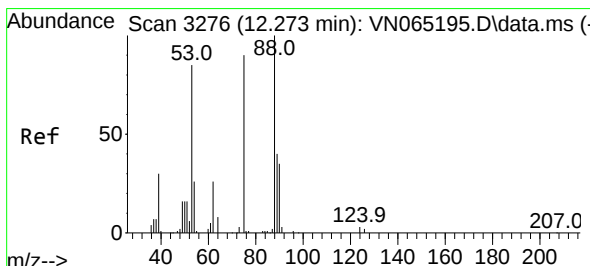
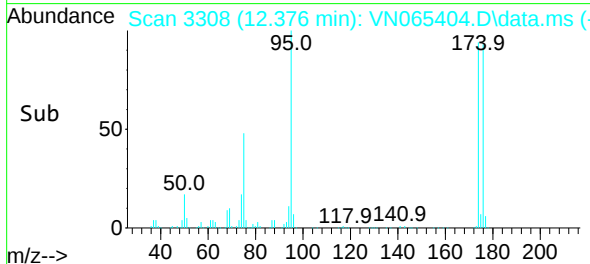
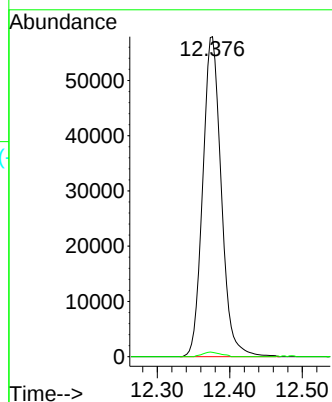
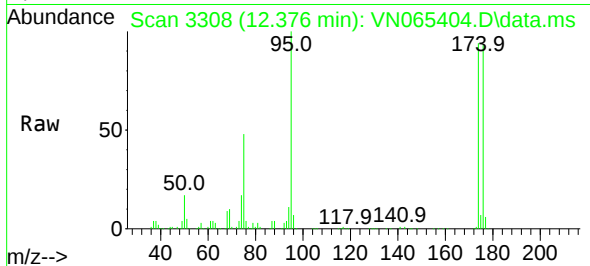




#76
1,2,3-Trichloropropane
Concen: 25.14 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

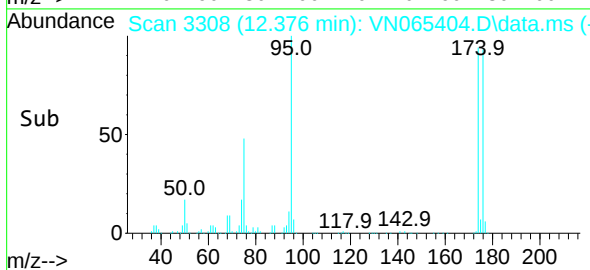
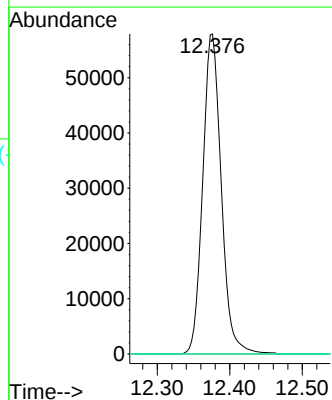
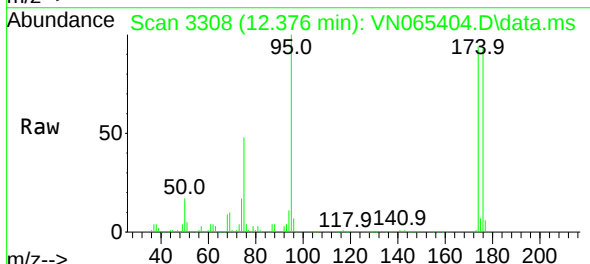
Instrument :
MSVOA_N
ClientSampleId :
41099

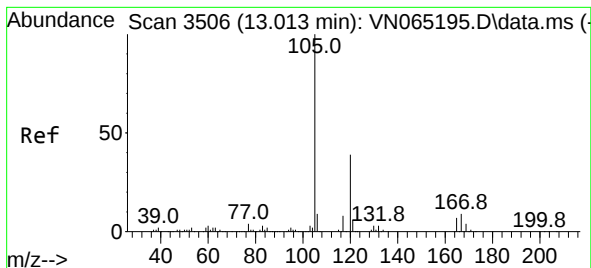
Tgt Ion: 75 Resp: 102822
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.39 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Tgt Ion: 75 Resp: 102822
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

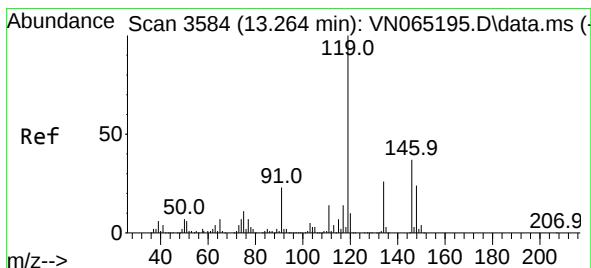
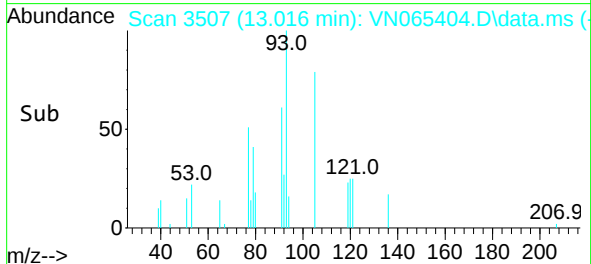
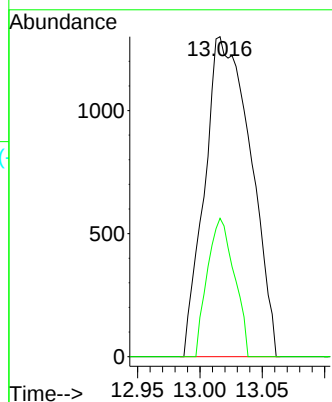
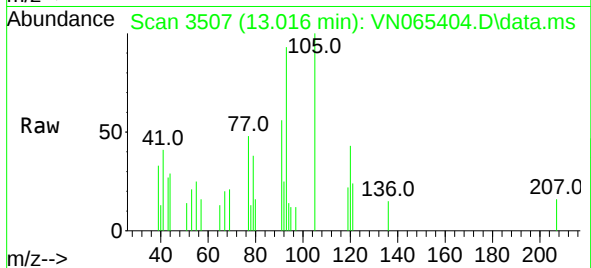




#84
1,2,4-Trimethylbenzene
Concen: 0.26 ug/l
RT: 13.016 min Scan# 3507
Delta R.T. 0.003 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

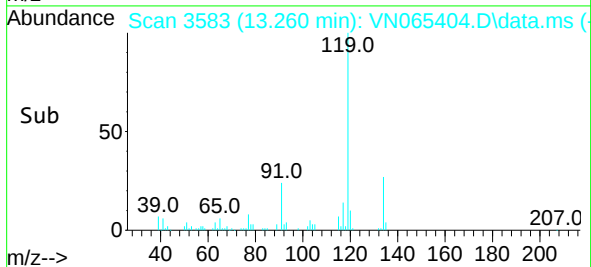
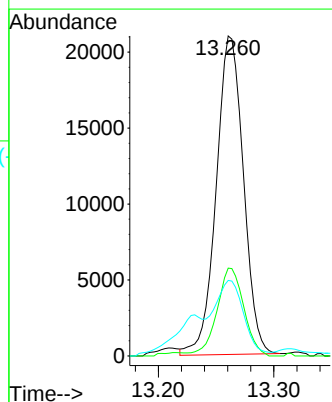
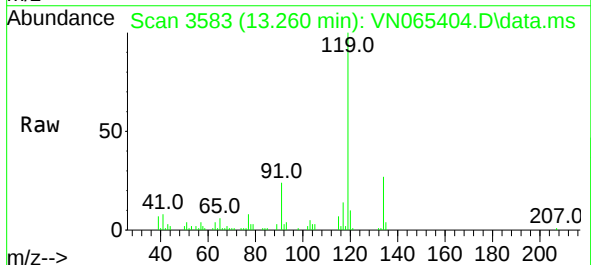
Instrument :
MSVOA_N
ClientSampled :
41099

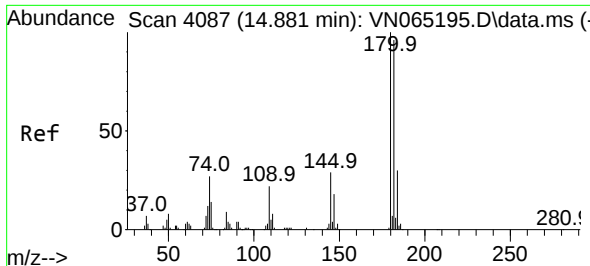
Tgt Ion:105 Resp: 3329
Ion Ratio Lower Upper
105 100
120 25.3 23.1 69.2



#86
p-Isopropyltoluene
Concen: 2.54 ug/l
RT: 13.260 min Scan# 3583
Delta R.T. -0.004 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Tgt Ion:119 Resp: 34330
Ion Ratio Lower Upper
119 100
134 27.2 13.1 39.1
91 24.6 11.5 34.5

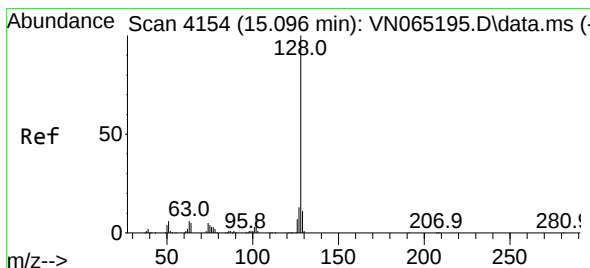
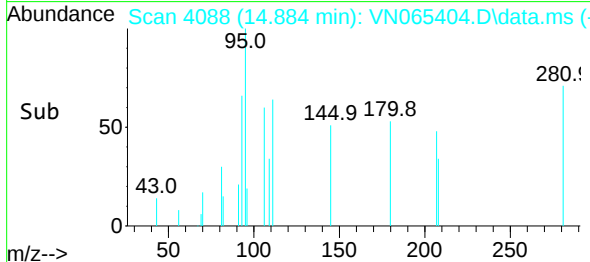
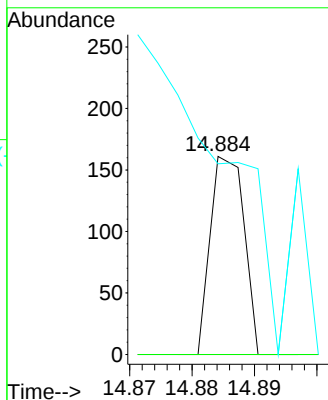
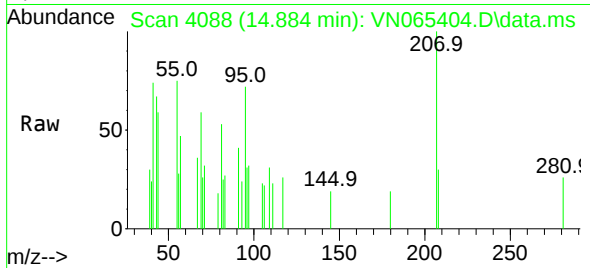




#93
1,2,4-Trichlorobenzene
Concen: 2.85 ug/l
RT: 14.884 min Scan# 4088
Delta R.T. 0.003 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Instrument :
MSVOA_N
ClientSampled :
41099

Tgt Ion:180 Resp: 60
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 886.7 15.3 45.8#



#95
Naphthalene
Concen: 3.49 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.007 min
Lab File: VN065404.D
Acq: 6 Jan 2021 16:53

Tgt Ion:128 Resp: 1368
Ion Ratio Lower Upper
128 100
127 7.4 10.3 15.5#
129 0.0 8.7 13.1#

