

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123020\
 Data File : VN065330.D
 Acq On : 30 Dec 2020 19:15
 Operator : JC/MD
 Sample : PB133547ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 31 03:05:47 2020
 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)

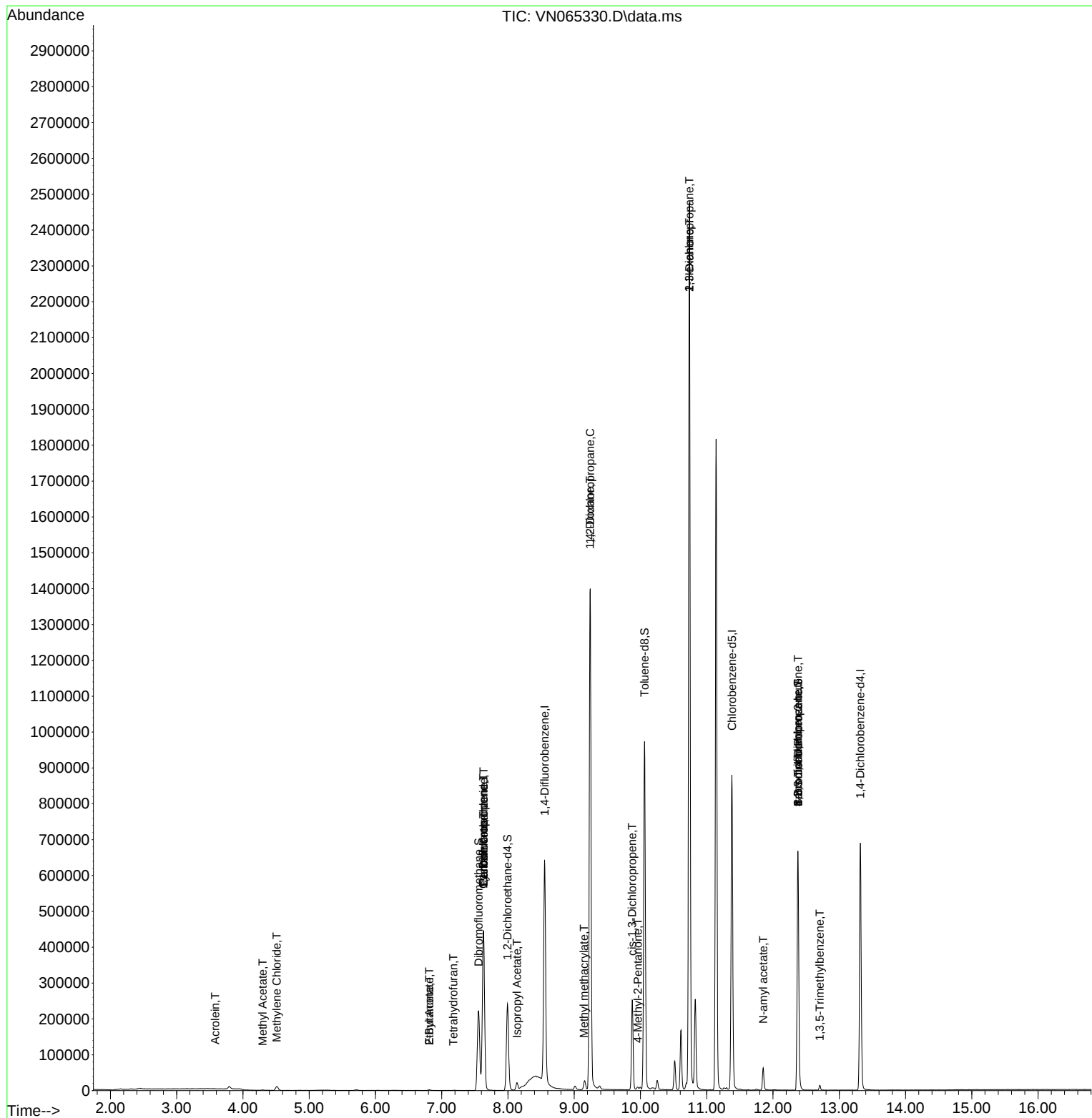
Internal Standards						
1) Pentafluorobenzene	7.630	168	399526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	581446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	533192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	214191	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	210003	46.56	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.12%		
35) Dibromofluoromethane	7.556	113	175155	49.93	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.86%		
50) Toluene-d8	10.061	98	698657	53.14	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.28%		
62) 4-Bromofluorobenzene	12.376	95	232034	45.17	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.34%		
Target Compounds						Qvalue
13) Acrolein	3.582	56	59	2.53	ug/l #	1
16) Acetone	3.795	43	10873	Below Cal		94
18) Methyl Acetate	4.299	43	2897	0.72	ug/l #	74
20) Methylene Chloride	4.512	84	8573	1.95	ug/l	95
25) 2-Butanone	6.811	43	2423	0.96	ug/l	92
29) Tetrahydrofuran	7.177	42	338	0.21	ug/l #	32
31) Cyclohexane	7.627	56	6814	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	25944	4.91	ug/l #	49
37) Ethyl Acetate	6.811	43	2423	0.46	ug/l #	66
38) Carbon Tetrachloride	7.630	117	34411	6.20	ug/l #	16
43) Isopropyl Acetate	8.135	43	25816	2.86	ug/l	97
45) 1,2-Dichloropropane	9.241	63	1620	0.40	ug/l #	43
48) Methyl methacrylate	9.148	41	6838	1.56	ug/l #	12
49) 1,4-Dioxane	9.238	88	92	1.29	ug/l #	1
51) 4-Methyl-2-Pentanone	9.958	43	5238	1.03	ug/l	97
54) cis-1,3-Dichloropropene	9.875	75	48005	6.85	ug/l #	60
57) 1,3-Dichloropropane	10.736	76	26224	4.05	ug/l #	42
59) 2-Hexanone	10.736	43	356904	95.61	ug/l #	49
71) Bromoform	12.376	173	1159	0.32	ug/l #	1
74) N-amyl acetate	11.852	43	18913	2.91	ug/l #	51
76) 1,2,3-Trichloropropane	12.376	75	112967	25.85	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.707	105	7539	0.54	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.376	75	112967	65.19	ug/l #	15

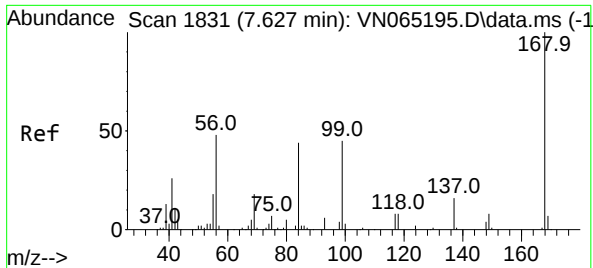
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

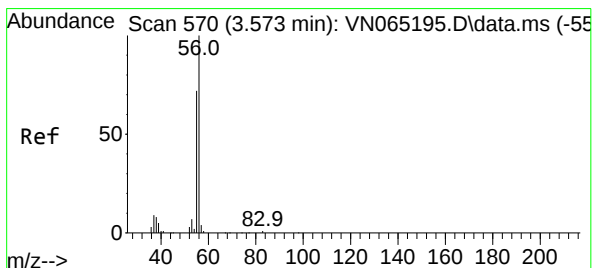
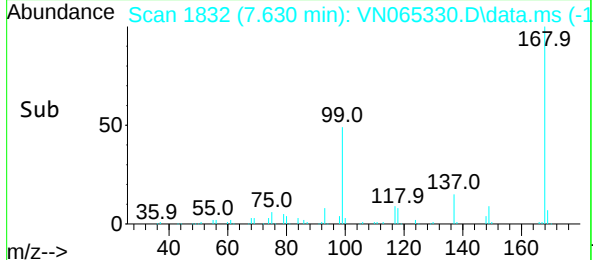
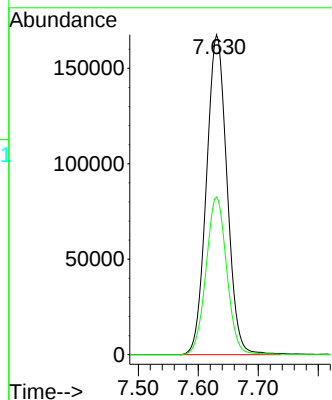
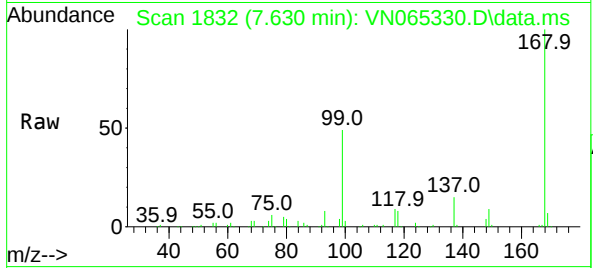




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

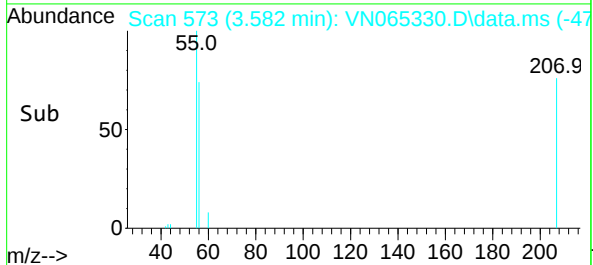
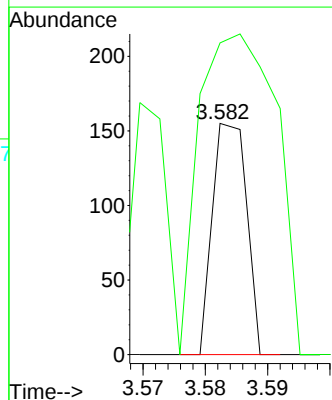
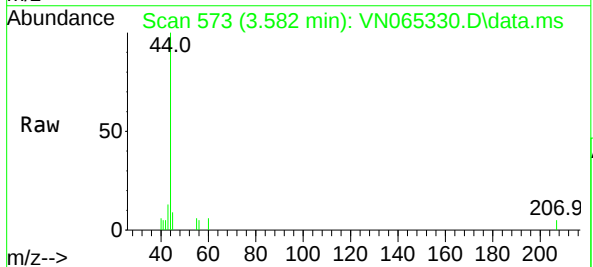
Instrument :
MSVOA_N
ClientSampled :

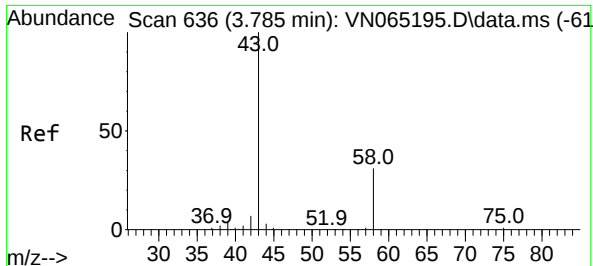
Tgt Ion:168 Resp: 399526
Ion Ratio Lower Upper
168 100
99 49.3 43.0 64.4



#13
Acrolein
Concen: 2.53 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.009 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

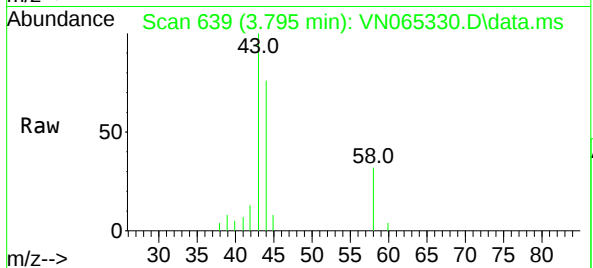
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 313.6 56.5 84.7#



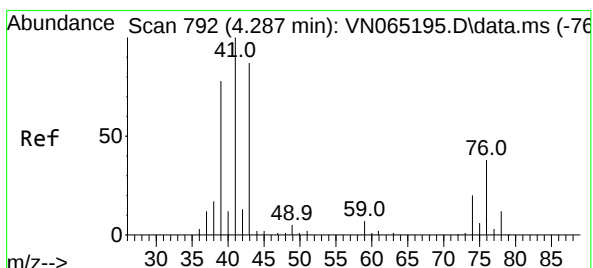
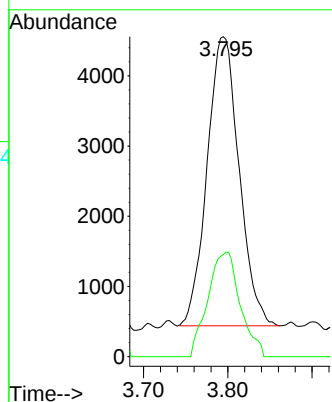
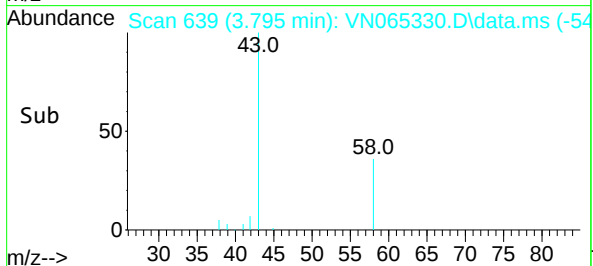


#16
Acetone
Concen: Below Cal
RT: 3.795 min Scan# 639
Delta R.T. 0.010 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

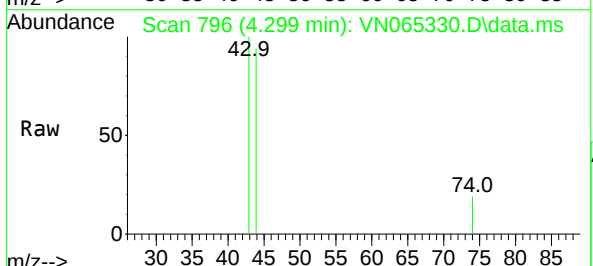
Instrument :
MSVOA_N
ClientSampled :



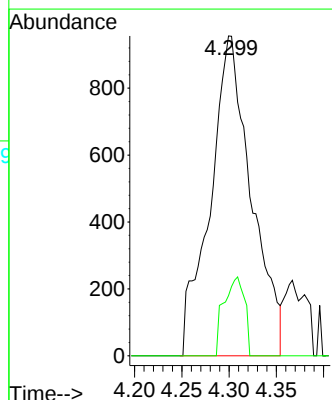
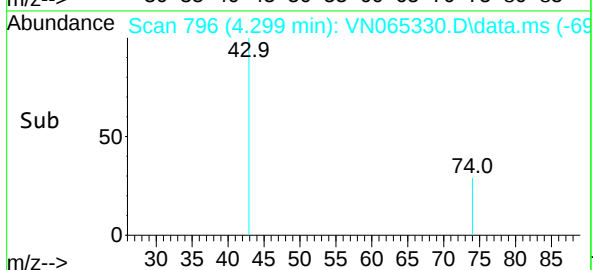
Tgt Ion: 43 Resp: 10873
Ion Ratio Lower Upper
43 100
58 35.3 25.7 38.5

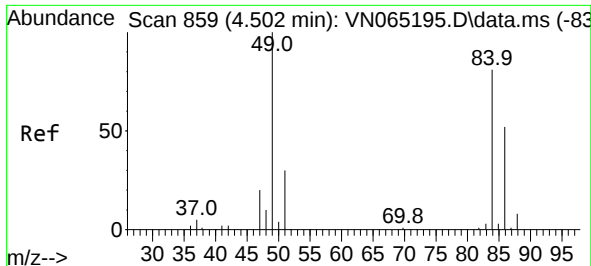


#18
Methyl Acetate
Concen: 0.72 ug/l
RT: 4.299 min Scan# 796
Delta R.T. 0.012 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15



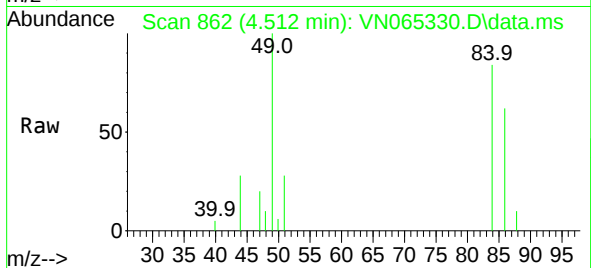
Tgt Ion: 43 Resp: 2897
Ion Ratio Lower Upper
43 100
74 12.3 20.2 30.2#





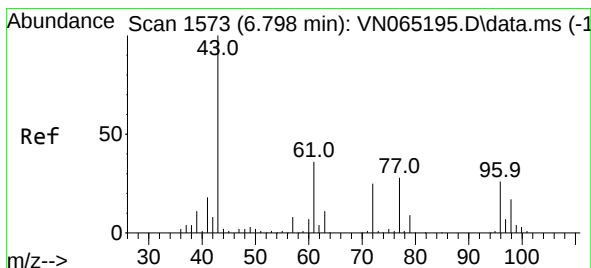
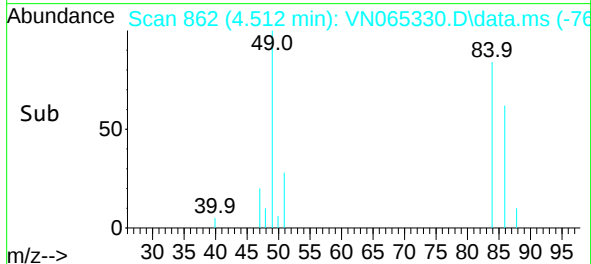
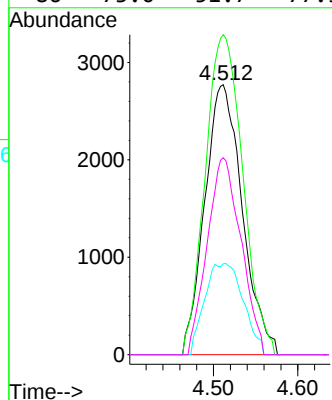
#20
Methylene Chloride
Concen: 1.95 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

Instrument :
MSVOA_N
ClientSampled :

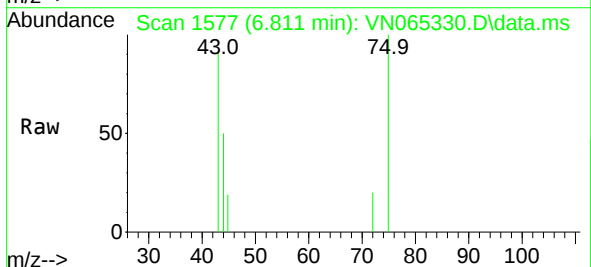


Tgt Ion: 84 Resp: 8573

Ion	Ratio	Lower	Upper
84	100		
49	118.5	93.4	140.0
51	33.7	28.2	42.4
86	73.0	51.7	77.5

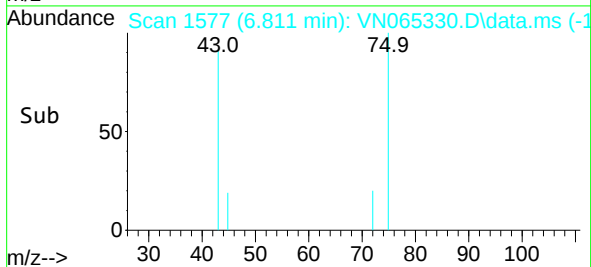
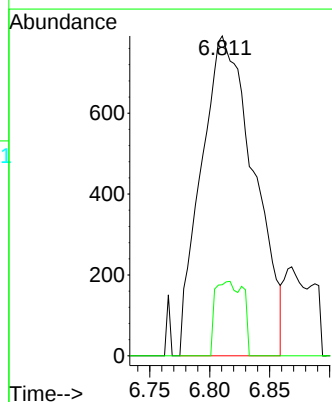


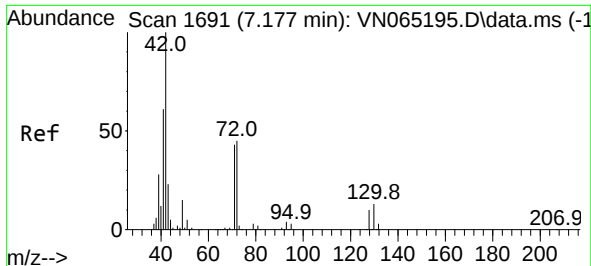
#25
2-Butanone
Concen: 0.96 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15



Tgt Ion: 43 Resp: 2423

Ion	Ratio	Lower	Upper
43	100		
72	22.3	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.21 ug/l

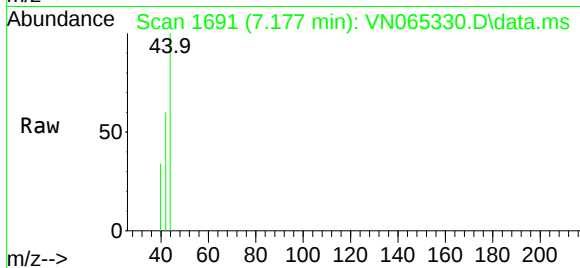
RT: 7.177 min Scan# 1691

Delta R.T. 0.000 min

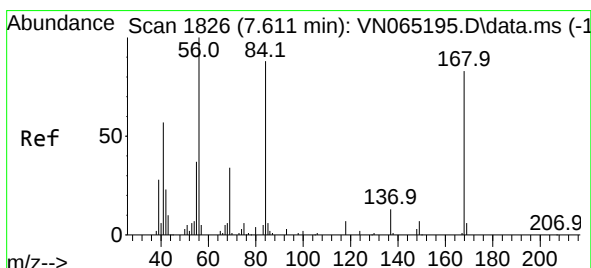
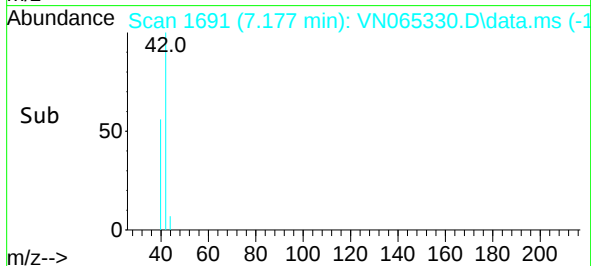
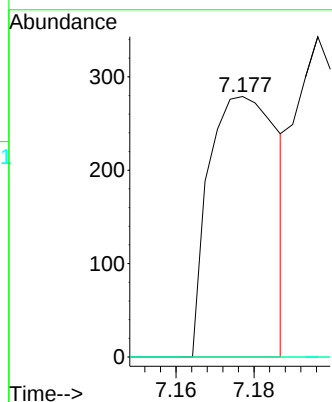
Lab File: VN065330.D

Acq: 30 Dec 2020 19:15

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	338
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

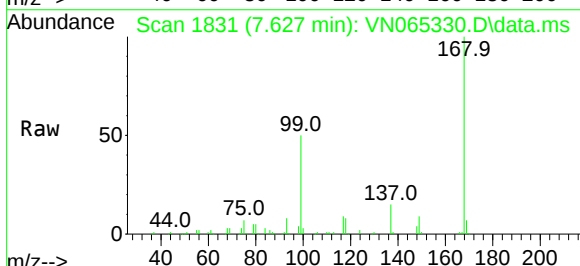
Concen: 1.02 ug/l

RT: 7.627 min Scan# 1831

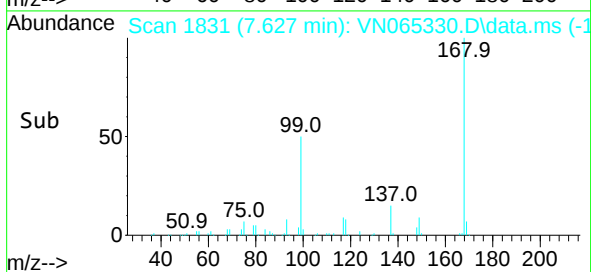
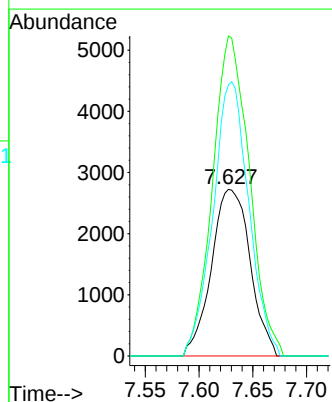
Delta R.T. 0.016 min

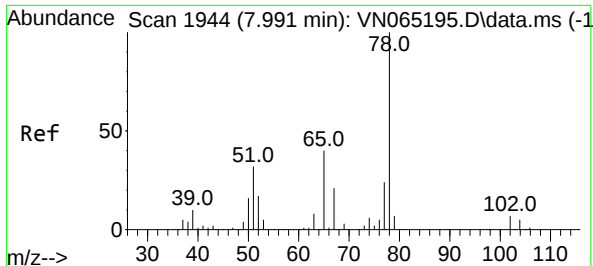
Lab File: VN065330.D

Acq: 30 Dec 2020 19:15



Tgt Ion:	56	Resp:	6814
Ion	Ratio	Lower	Upper
56	100		
69	192.1	27.5	41.3#
84	162.6	73.9	110.9#

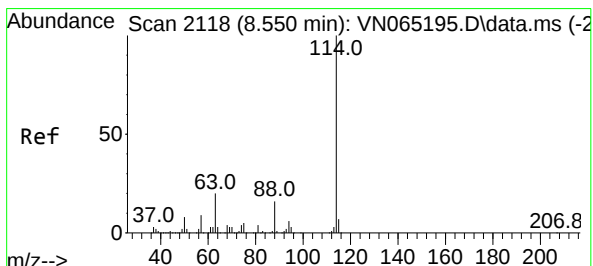
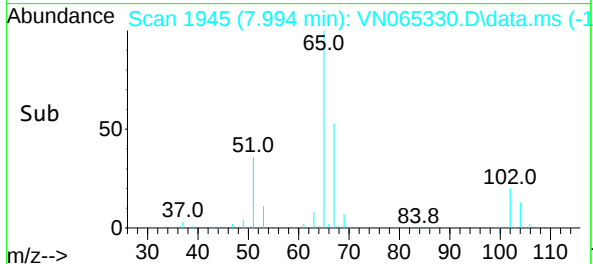
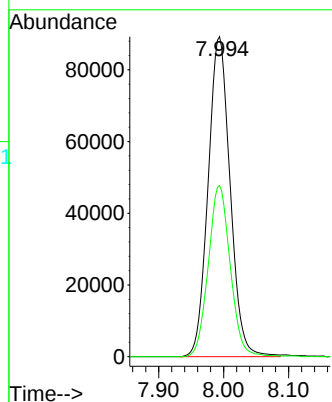
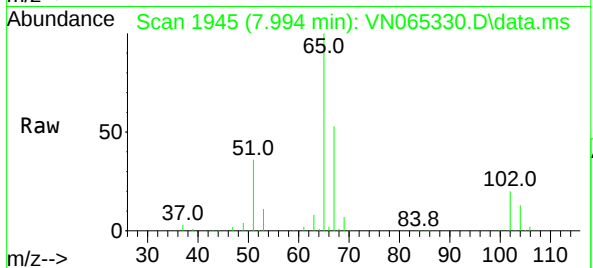




#33
1,2-Dichloroethane-d4
Concen: 46.56 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

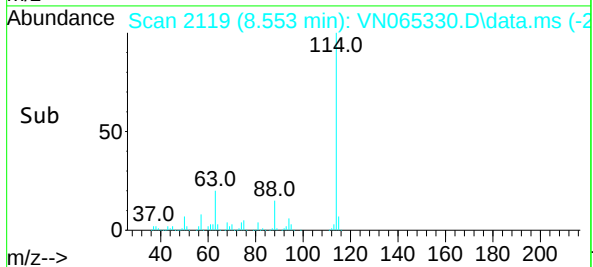
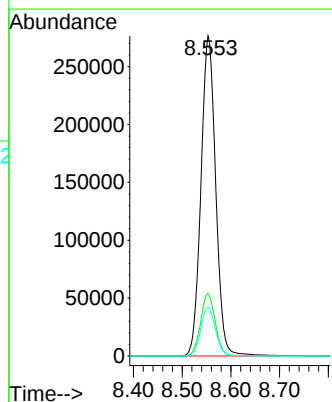
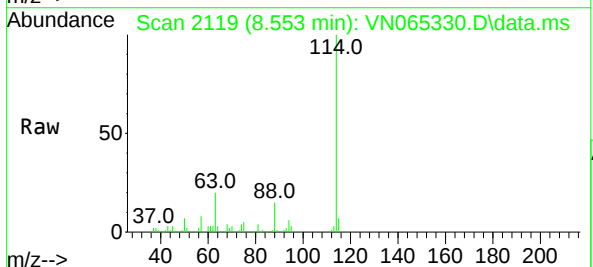
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 65 Resp: 210003
Ion Ratio Lower Upper
65 100
67 53.3 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: VN065330.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 114 Resp: 581446
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.6
88 15.2 0.0 32.6

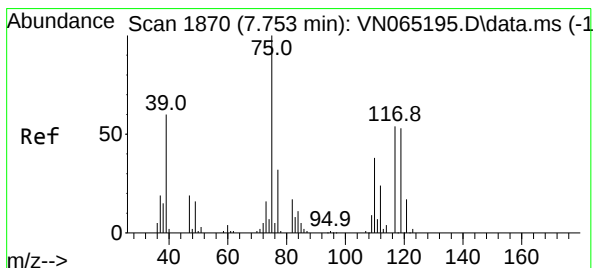
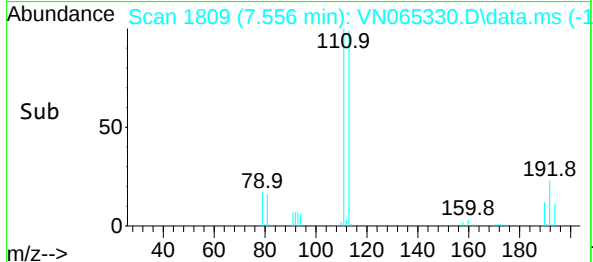
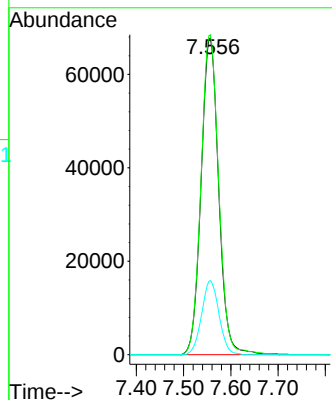
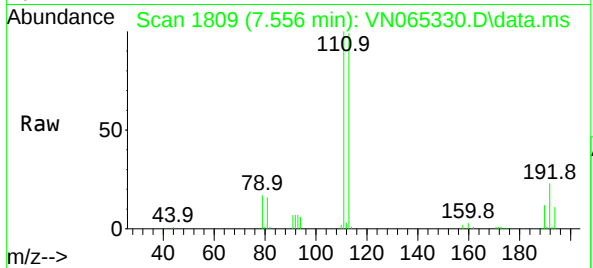




#35
Dibromofluoromethane
Concen: 49.93 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

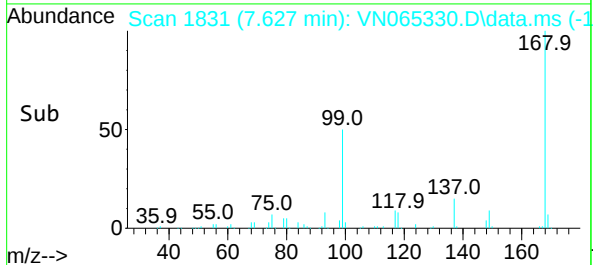
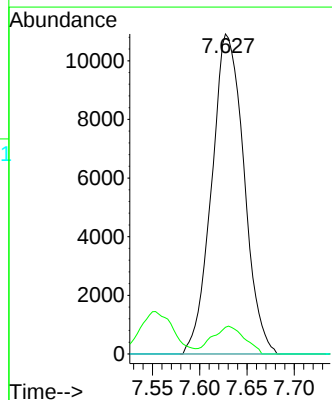
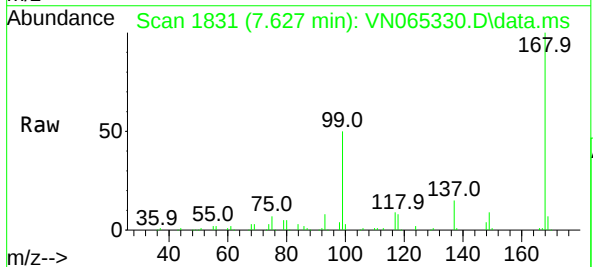
Instrument :
MSVOA_N
ClientSampled :

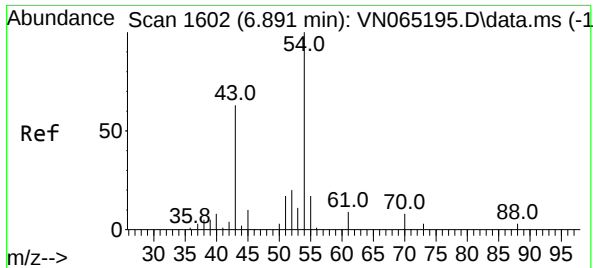
Tgt Ion:113 Resp: 175155
Ion Ratio Lower Upper
113 100
111 101.8 81.6 122.4
192 23.1 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.91 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 75 Resp: 25944
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.3#
77 0.0 25.0 37.4#

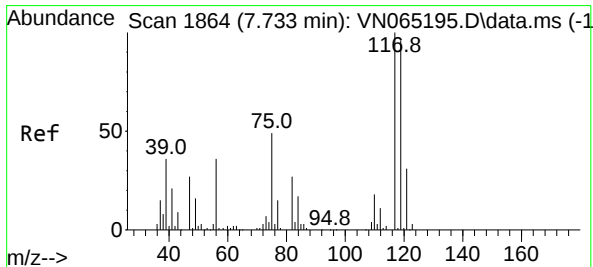
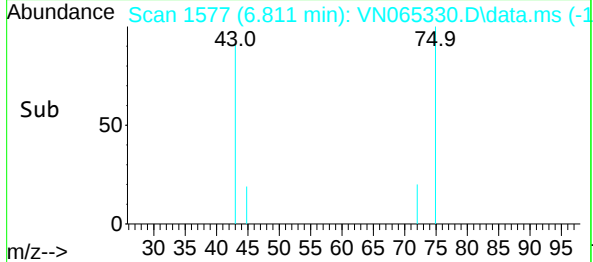
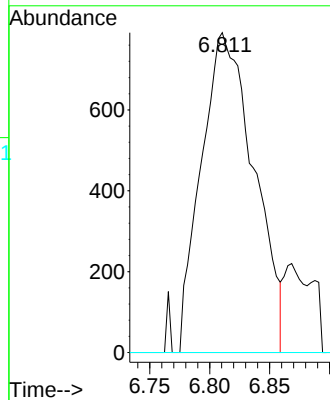
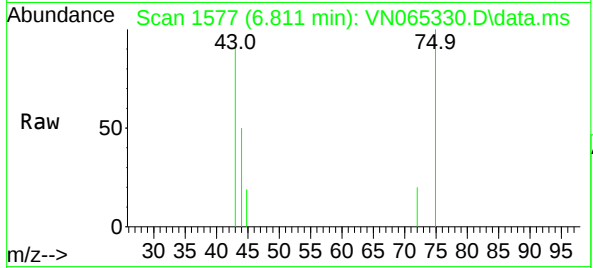




#37
Ethyl Acetate
Concen: 0.46 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. -0.080 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

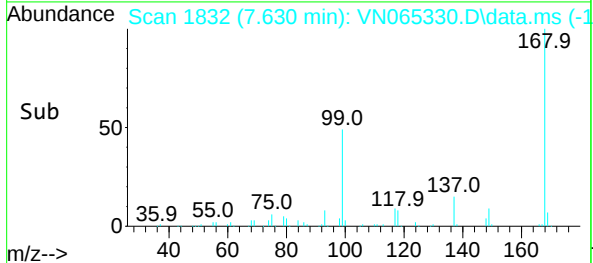
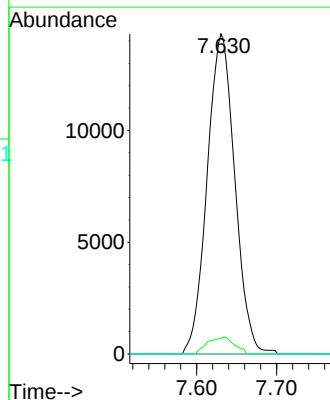
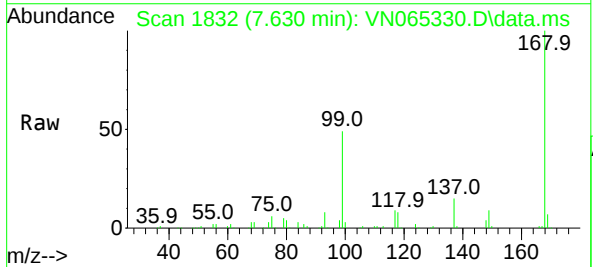
Instrument :
MSVOA_N
ClientSampleId :

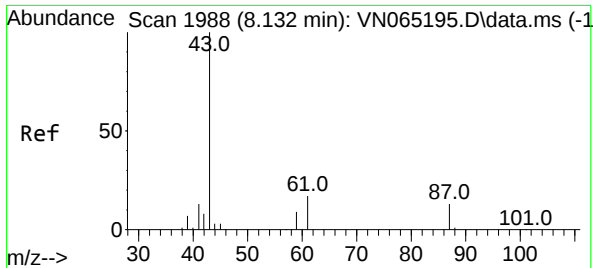
Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.20 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 117 Resp: 34411
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 25.4 38.2#

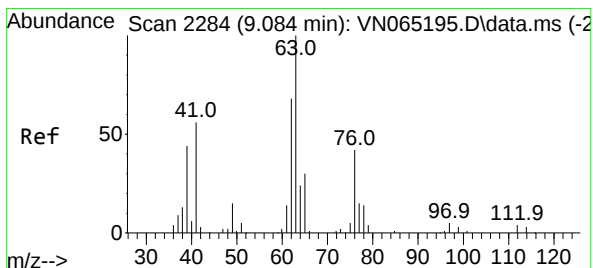
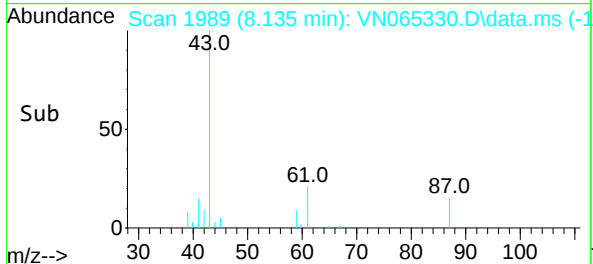
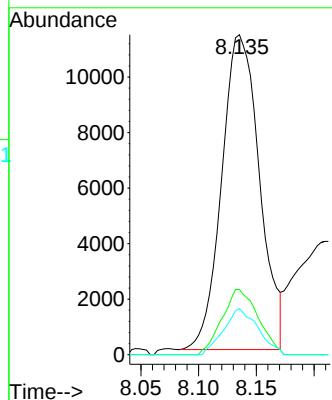
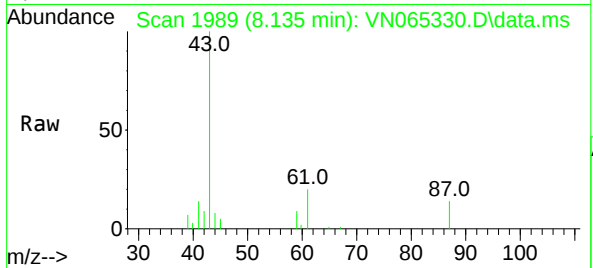




#43
Isopropyl Acetate
Concen: 2.86 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

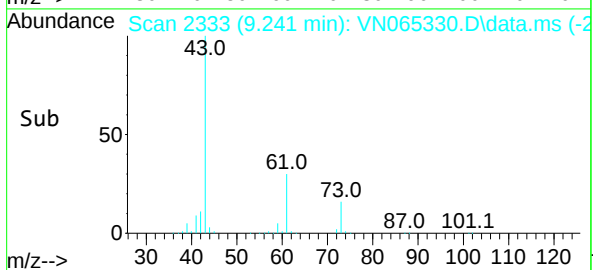
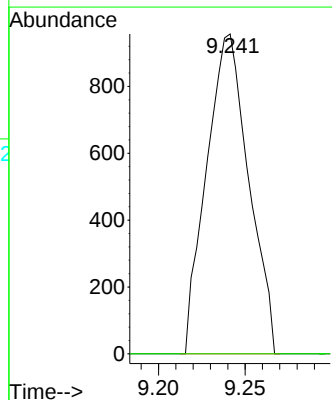
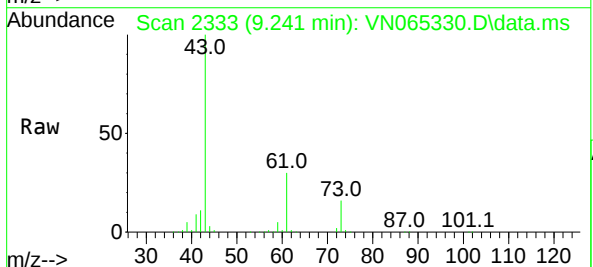
Instrument :
MSVOA_N
ClientSampled :

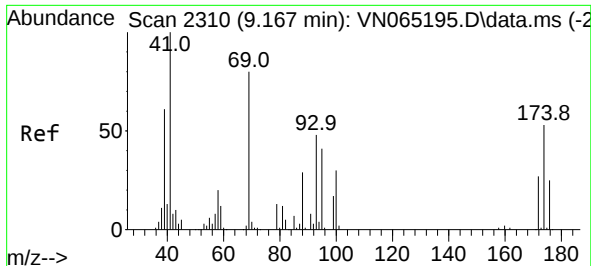
Tgt Ion:	43	Resp:	25816
Ion	Ratio	Lower	Upper
43	100		
61	19.8	17.2	25.8
87	13.3	11.4	17.0



#45
1,2-Dichloropropane
Concen: 0.40 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

Tgt Ion:	63	Resp:	1620
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

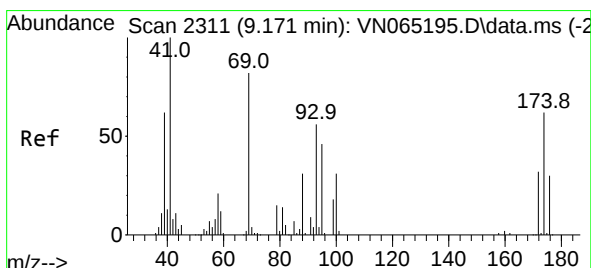
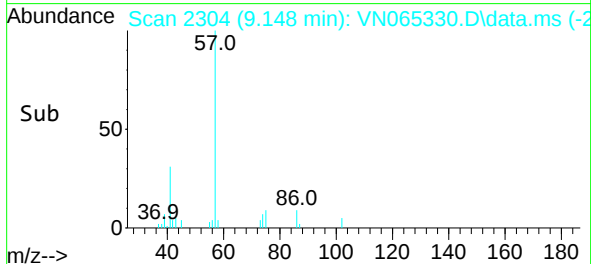
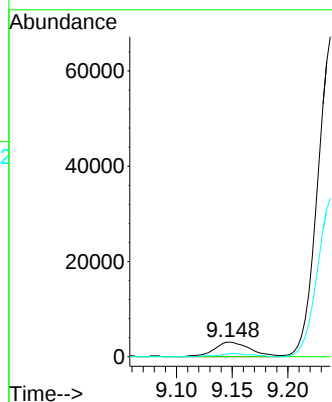
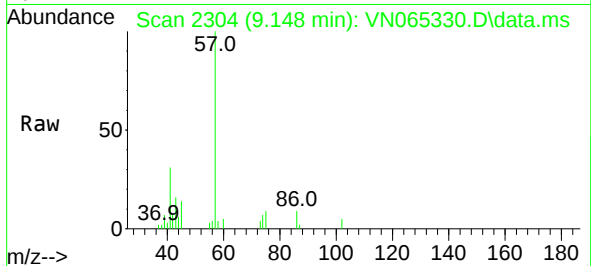




#48
Methyl methacrylate
Concen: 1.56 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

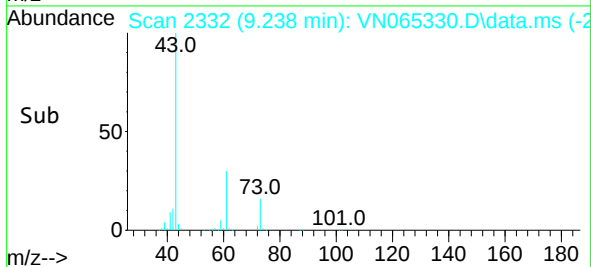
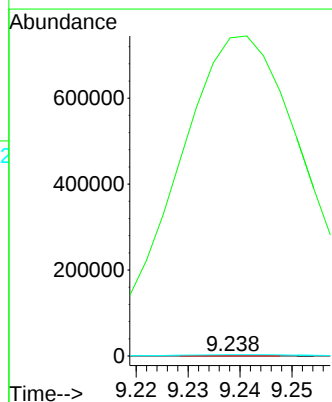
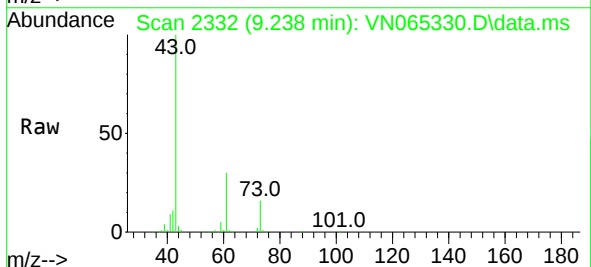
Instrument :
MSVOA_N
ClientSampled :

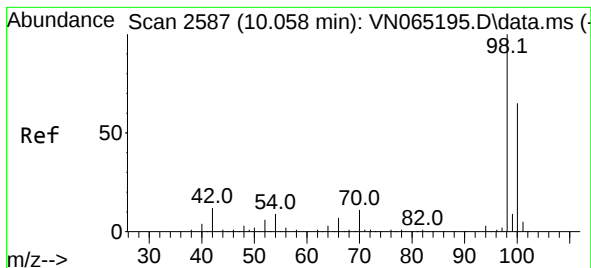
Tgt Ion: 41 Resp: 6838
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#49
1,4-Dioxane
Concen: 1.29 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.067 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 1505344.6 24.2 36.4#
58 6208.7 52.5 78.7#

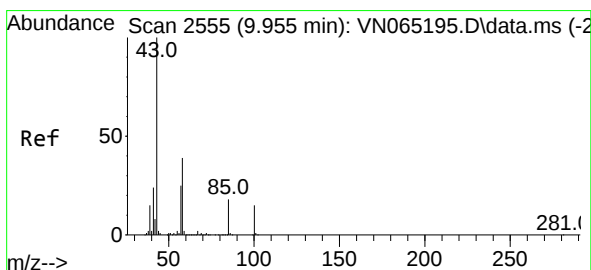
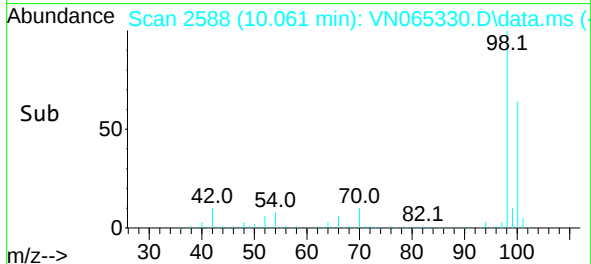
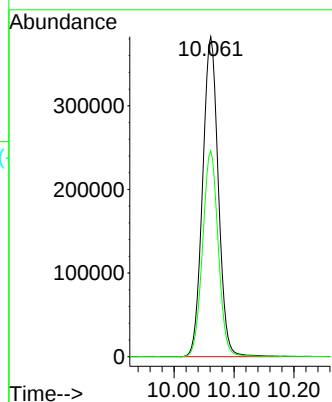
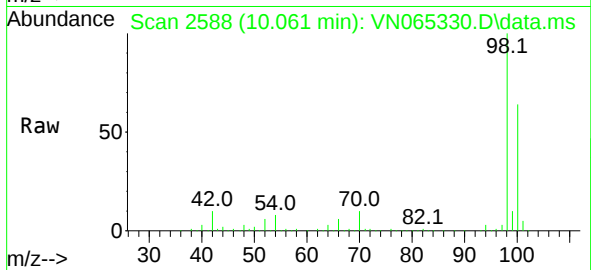




#50
Toluene-d8
Concen: 53.14 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

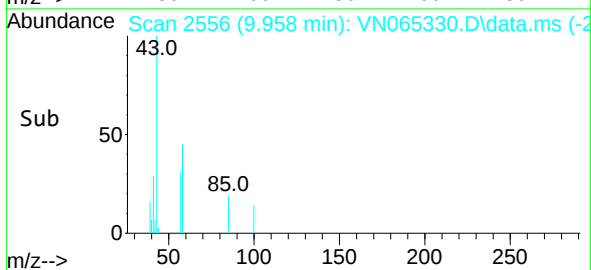
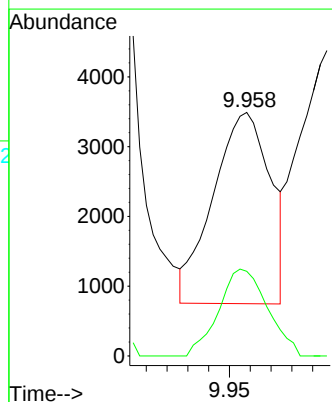
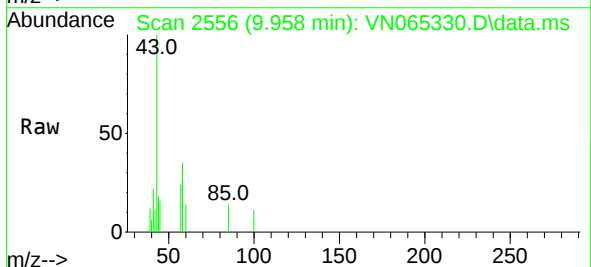
Instrument :
MSVOA_N
ClientSampled :

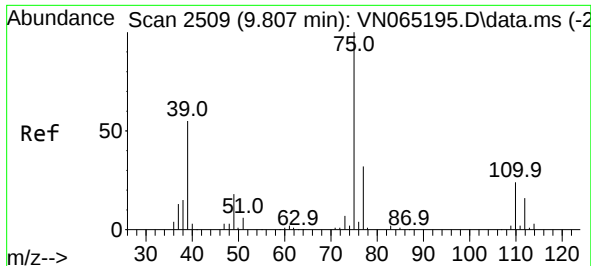
Tgt Ion: 98 Resp: 698657
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.03 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 43 Resp: 5238
Ion Ratio Lower Upper
43 100
58 38.7 32.4 48.6

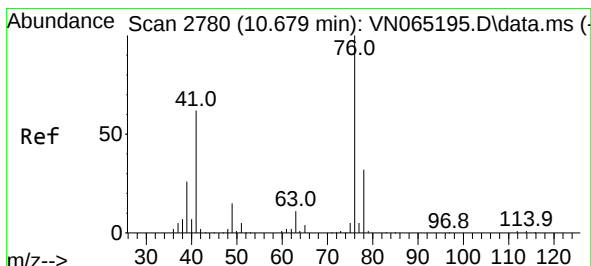
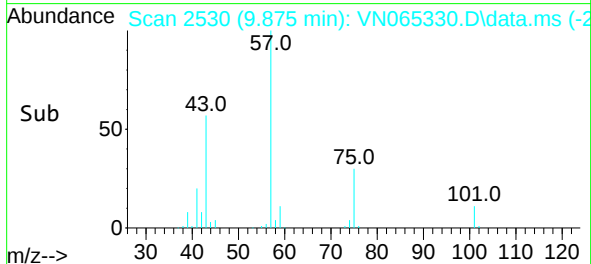
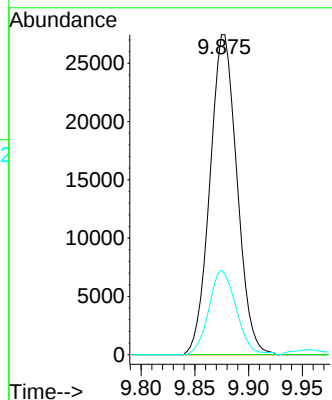
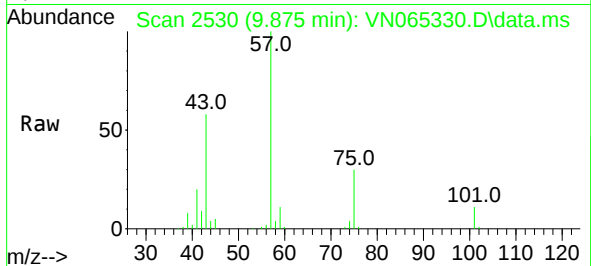




#54
 cis-1,3-Dichloropropene
 Concen: 6.85 ug/l
 RT: 9.875 min Scan# 2530
 Delta R.T. 0.068 min
 Lab File: VN065330.D
 Acq: 30 Dec 2020 19:15

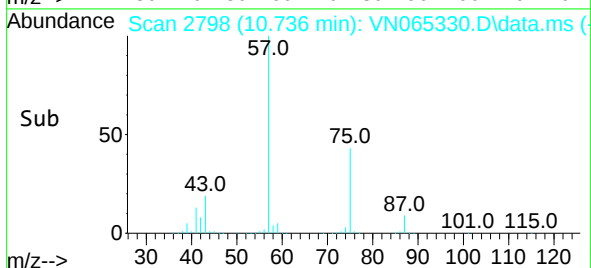
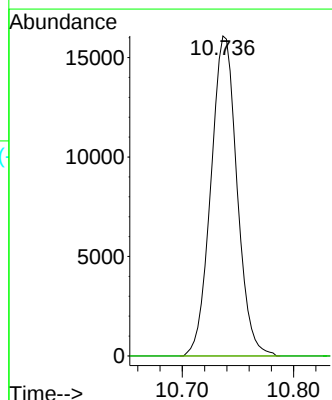
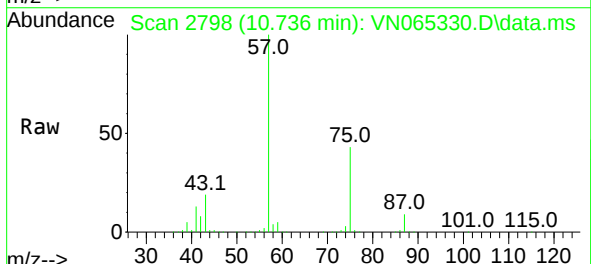
Instrument :
 MSVOA_N
 ClientSampled :

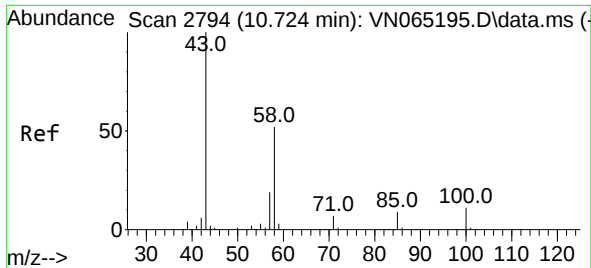
Tgt Ion: 75 Resp: 48005
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 26.5 35.6 53.4#



#57
 1,3-Dichloropropane
 Concen: 4.05 ug/l
 RT: 10.736 min Scan# 2798
 Delta R.T. 0.057 min
 Lab File: VN065330.D
 Acq: 30 Dec 2020 19:15

Tgt Ion: 76 Resp: 26224
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

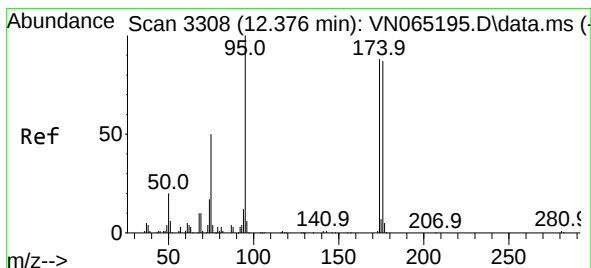
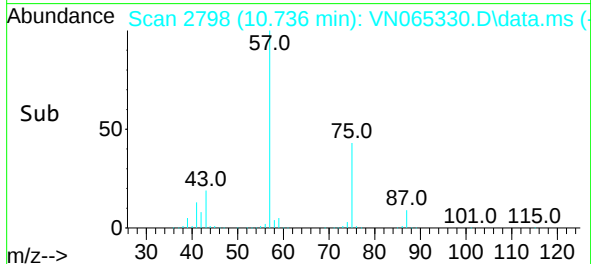
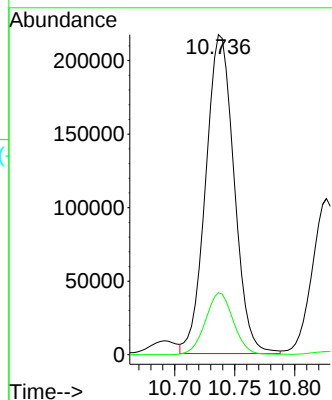
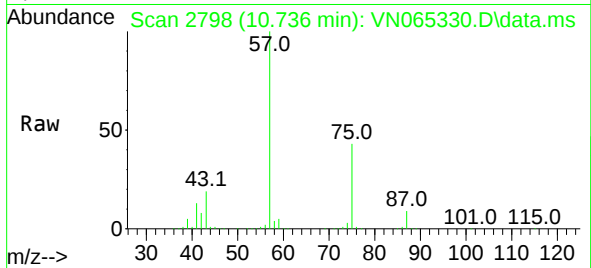




#59
2-Hexanone
Concen: 95.61 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

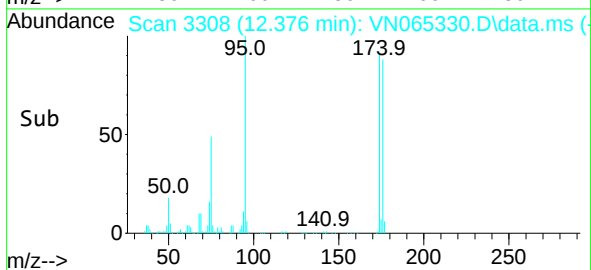
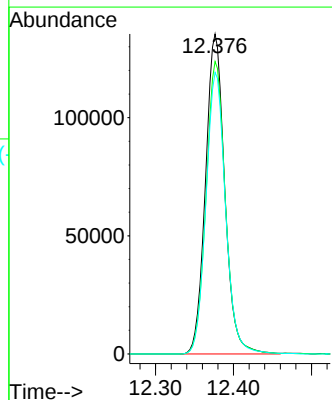
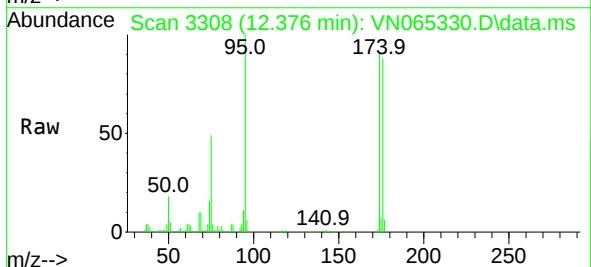
Instrument :
MSVOA_N
ClientSampled :

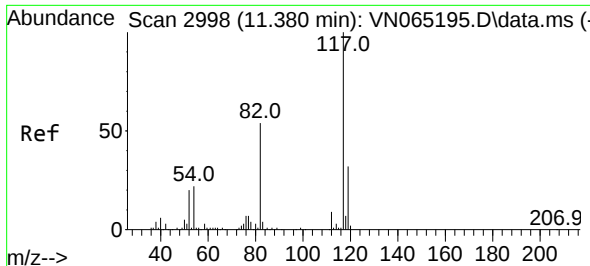
Tgt Ion: 43 Resp: 356904
Ion Ratio Lower Upper
43 100
58 19.2 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.17 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

Tgt Ion: 95 Resp: 232034
Ion Ratio Lower Upper
95 100
174 92.2 0.0 160.4
176 89.5 0.0 158.4

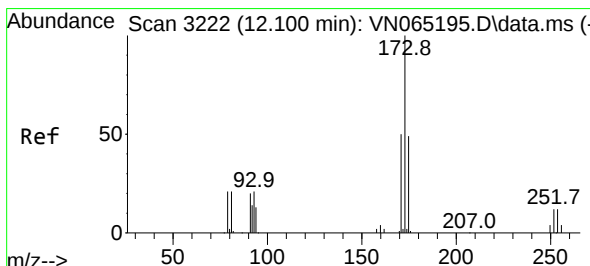
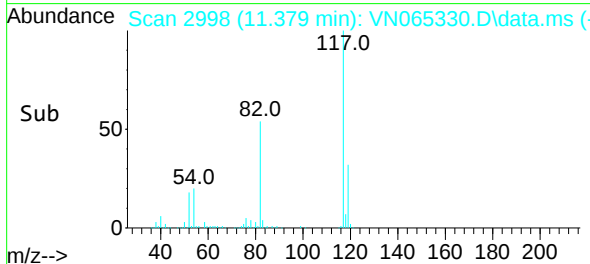
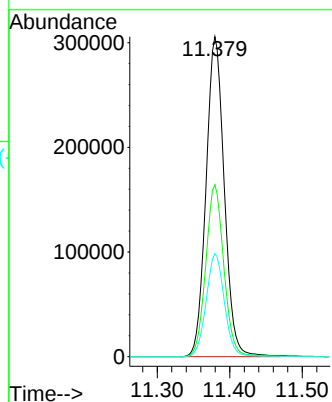
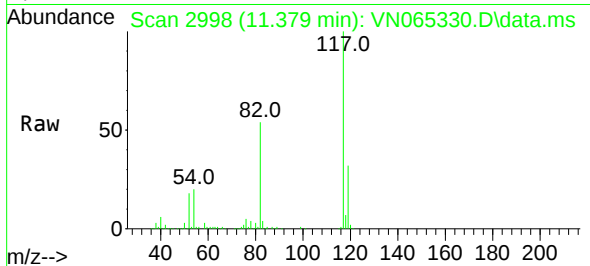




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

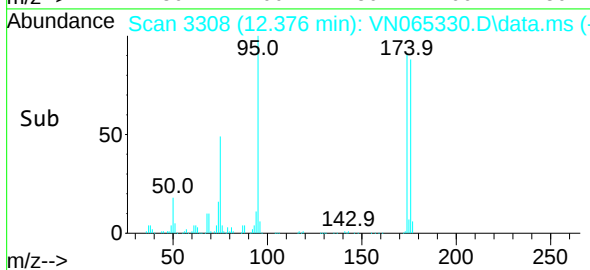
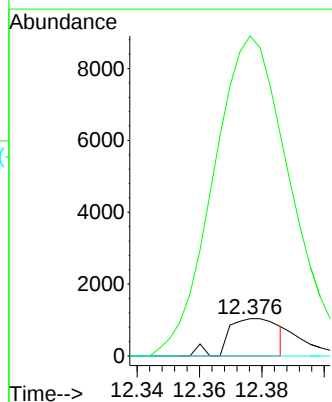
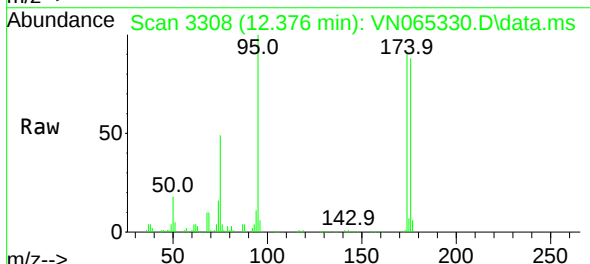
Instrument :
MSVOA_N
ClientSampleId :

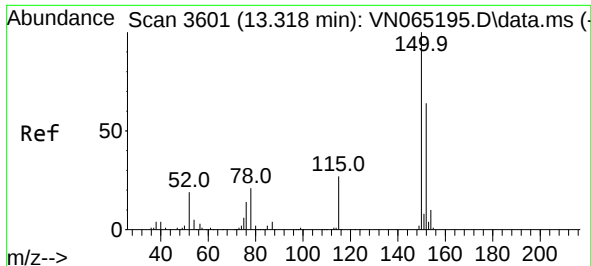
Tgt Ion:117 Resp: 533192
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 32.2 25.8 38.6



#71
Bromoform
Concen: 0.32 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

Tgt Ion:173 Resp: 1159
Ion Ratio Lower Upper
173 100
175 1068.1 24.3 72.8#
254 0.0 0.0 0.0

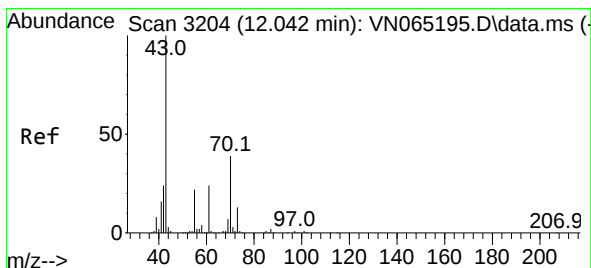
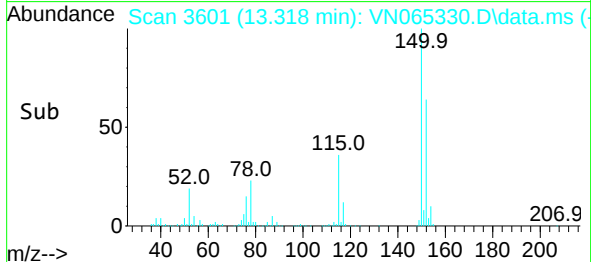
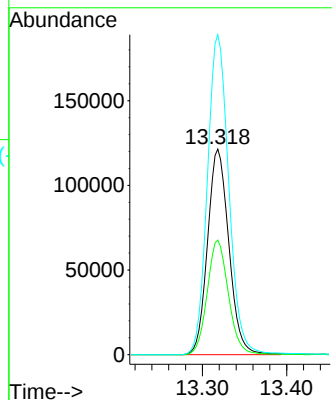
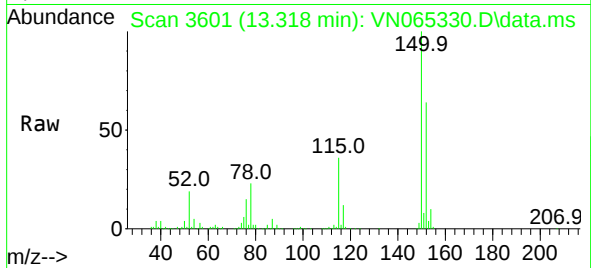




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

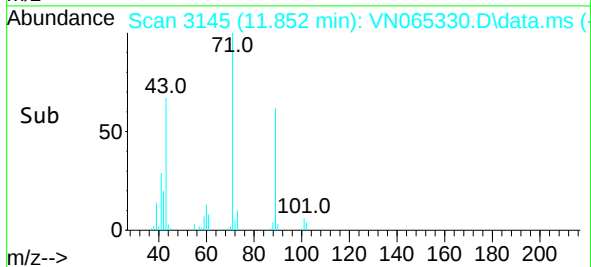
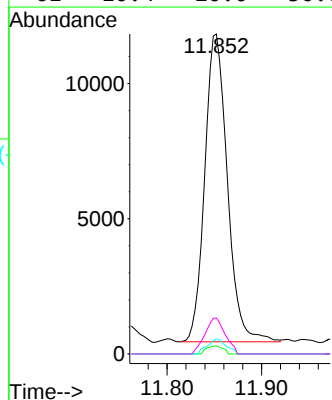
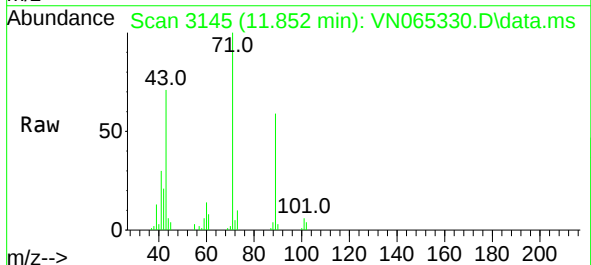
Instrument :
MSVOA_N
ClientSampled :

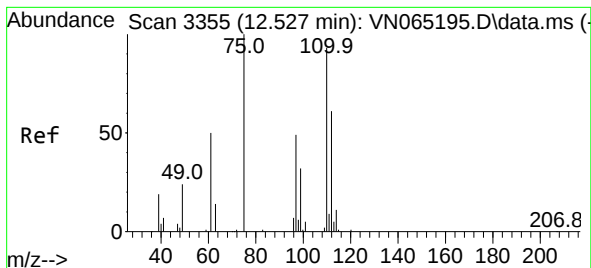
Tgt Ion:152 Resp: 214191
Ion Ratio Lower Upper
152 100
115 55.5 29.7 89.1
150 156.9 0.0 350.6



#74
N-ethyl acetate
Concen: 2.91 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.190 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

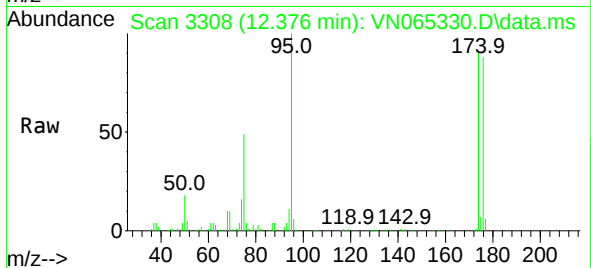
Tgt Ion: 43 Resp: 18913
Ion Ratio Lower Upper
43 100
70 1.9 34.5 51.7#
55 4.0 20.4 30.6#
61 10.4 20.0 30.0#



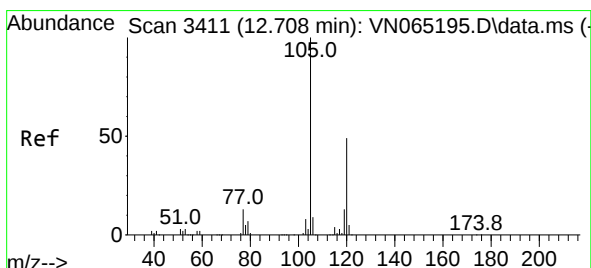
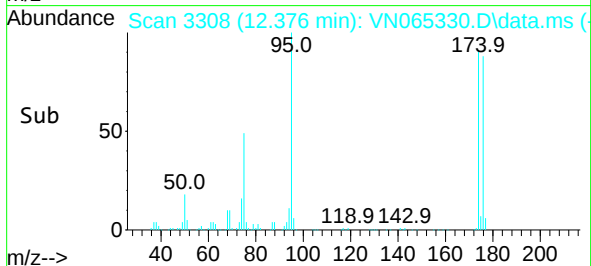
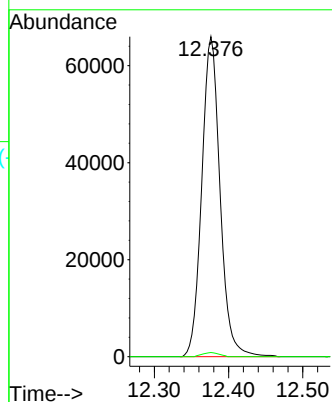


#76
1,2,3-Trichloropropane
Concen: 25.85 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

Instrument :
MSVOA_N
ClientSampleId :

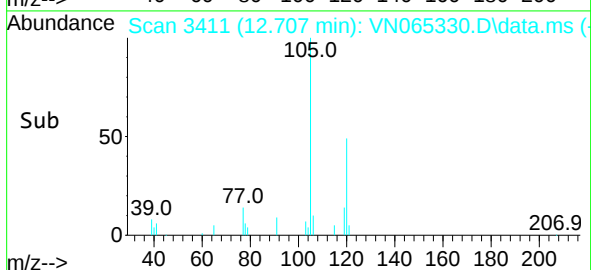
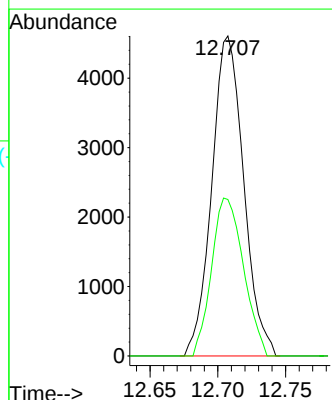
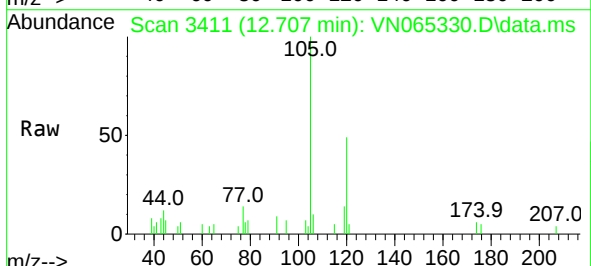


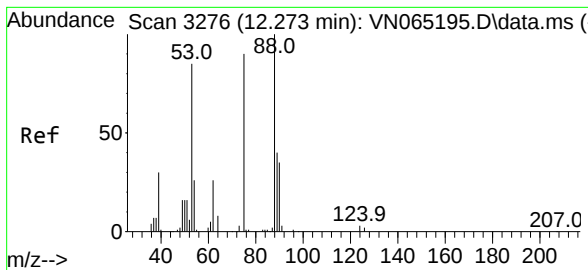
Tgt Ion: 75 Resp: 112967
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.54 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. -0.001 min
Lab File: VN065330.D
Acq: 30 Dec 2020 19:15

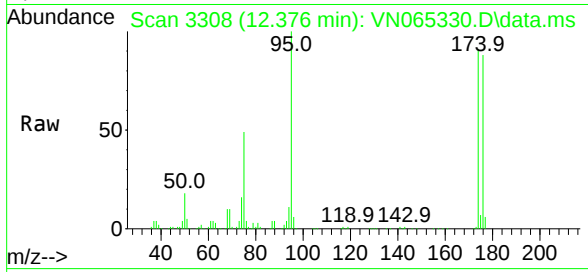
Tgt Ion: 105 Resp: 7539
Ion Ratio Lower Upper
105 100
120 49.2 24.6 73.6





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.19 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065330.D
 Acq: 30 Dec 2020 19:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 112967
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

