

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122820\
 Data File : VN065290.D
 Acq On : 28 Dec 2020 16:55
 Operator : JC/MD
 Sample : L5218-05DL 4X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4DL

Quant Time: Dec 29 02:23:20 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)

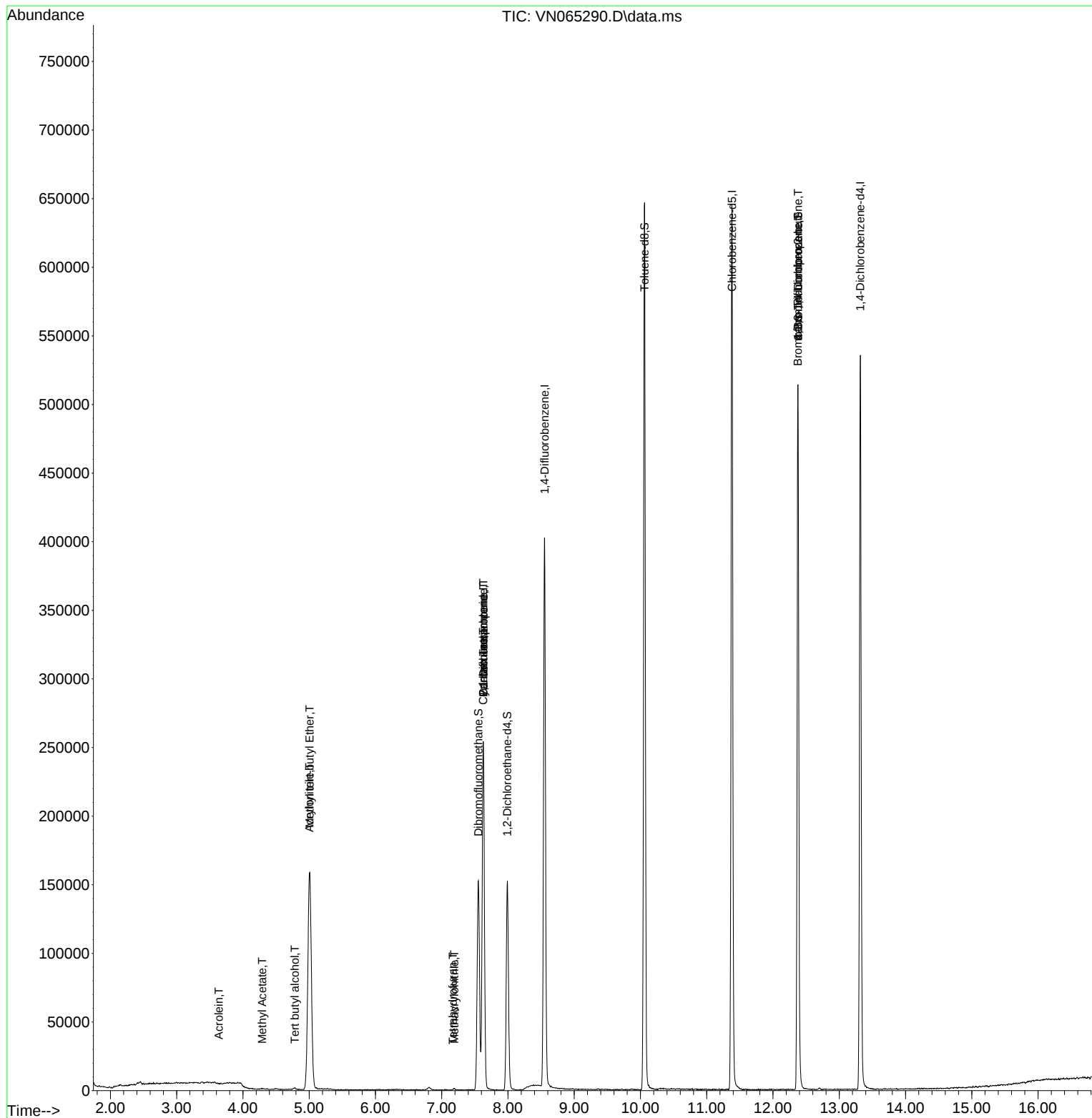
Internal Standards						
1) Pentafluorobenzene	7.627	168	228645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	378359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	391898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.319	152	163723	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	133614	51.76	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.52%			
35) Dibromofluoromethane	7.553	113	117243	51.36	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.72%			
50) Toluene-d8	10.061	98	466000	54.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.94%			
62) 4-Bromofluorobenzene	12.376	95	182057	53.42	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.84%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.782	59	1902	4.50	ug/l #	73
13) Acrolein	3.637	56	30	2.52	ug/l #	1
15) Acrylonitrile	5.001	53	1814	1.78	ug/l #	20
16) Acetone	3.763	43	98	Below Cal	#	43
18) Methyl Acetate	4.290	43	750	0.32	ug/l #	50
19) Methyl tert-butyl Ether	5.007	73	287801	40.35	ug/l	100
29) Tetrahydrofuran	7.171	42	330	0.35	ug/l #	32
31) Cyclohexane	7.624	56	3728	0.98	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	14574	4.24	ug/l #	50
38) Carbon Tetrachloride	7.627	117	19407	5.37	ug/l #	16
41) Methacrylonitrile	7.190	41	483	0.27	ug/l #	13
71) Bromoform	12.373	173	1074	0.40	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	90149	26.99	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	90149	68.06	ug/l #	15

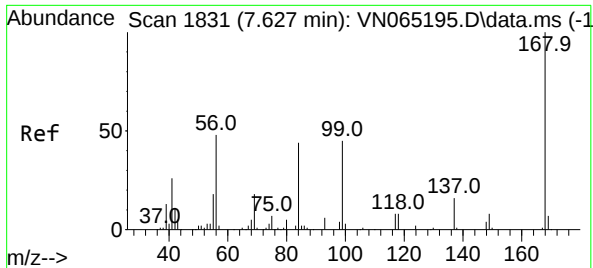
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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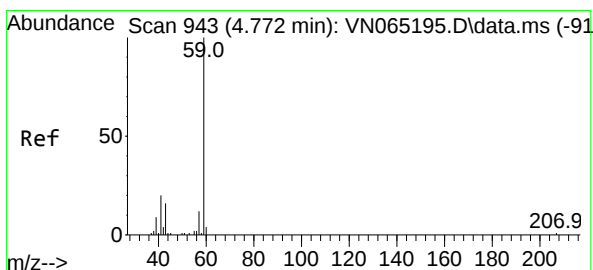
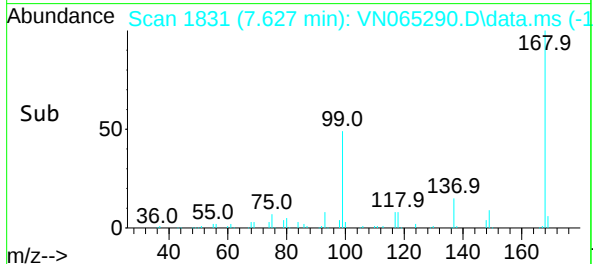
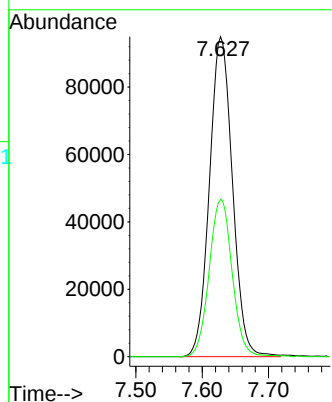
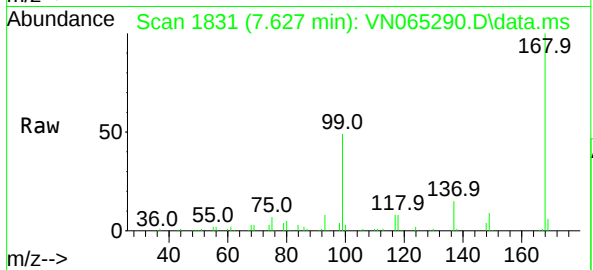




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

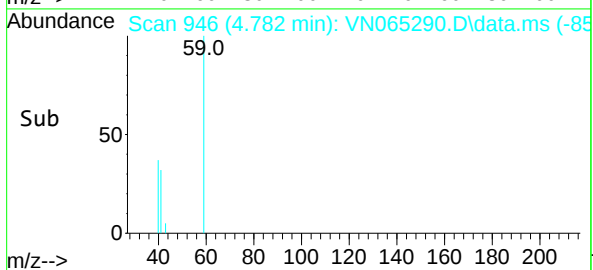
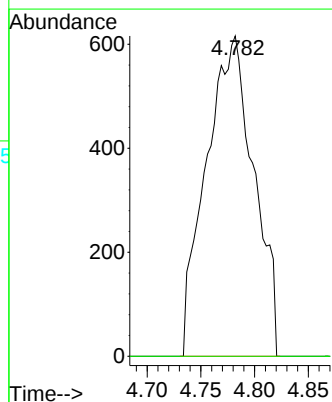
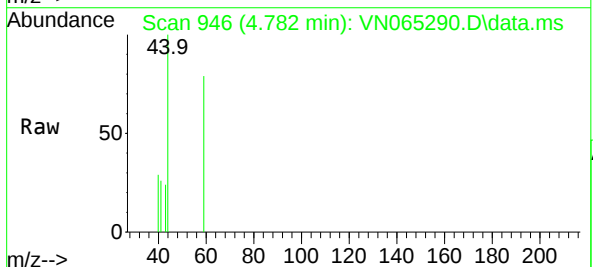
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

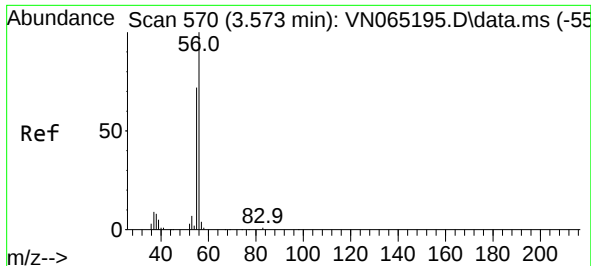
Tgt Ion:168 Resp: 228645
Ion Ratio Lower Upper
168 100
99 49.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 4.50 ug/l
RT: 4.782 min Scan# 946
Delta R.T. 0.010 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Tgt Ion: 59 Resp: 1902
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

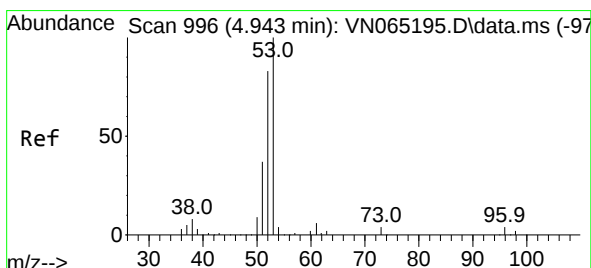
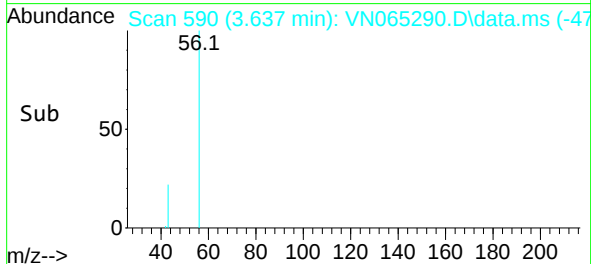
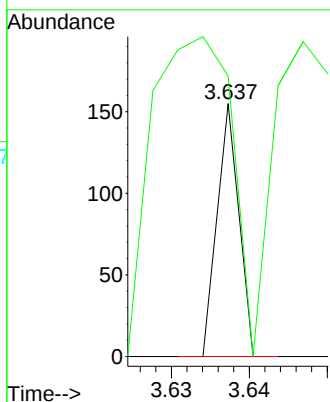
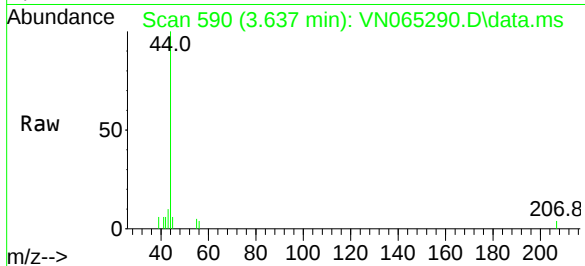




#13
Acrolein
Concen: 2.52 ug/l
RT: 3.637 min Scan# 590
Delta R.T. 0.064 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

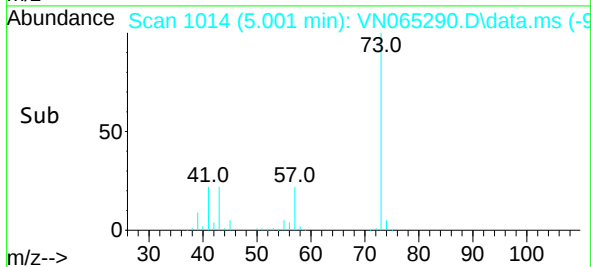
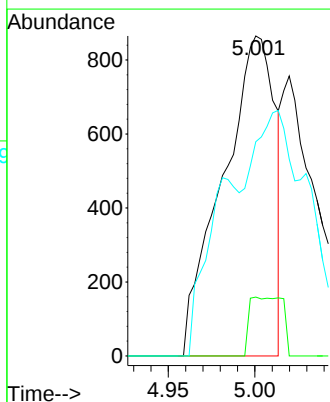
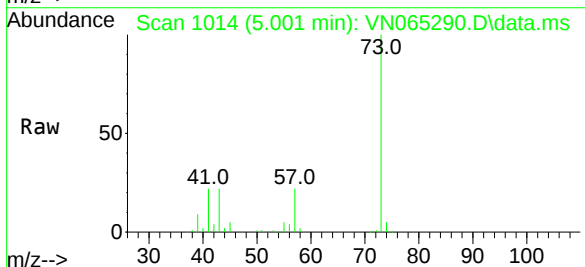
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

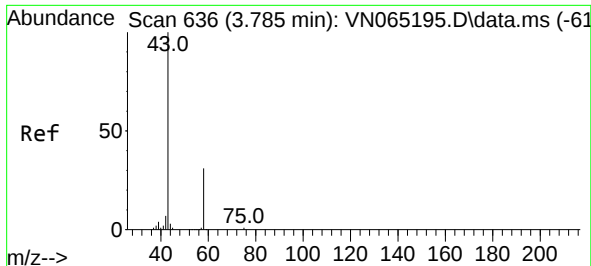
Tgt Ion: 56 Resp: 30
Ion Ratio Lower Upper
56 100
55 463.3 56.5 84.7#



#15
Acrylonitrile
Concen: 1.78 ug/l
RT: 5.001 min Scan# 1014
Delta R.T. 0.058 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Tgt Ion: 53 Resp: 1814
Ion Ratio Lower Upper
53 100
52 8.3 65.5 98.3#
51 79.4 28.6 43.0#

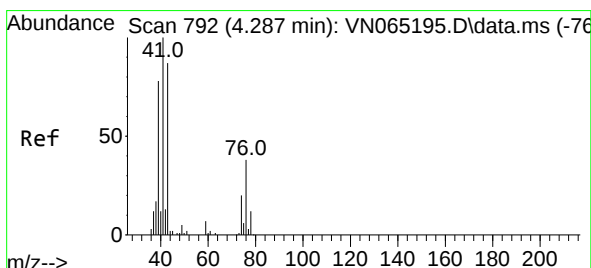
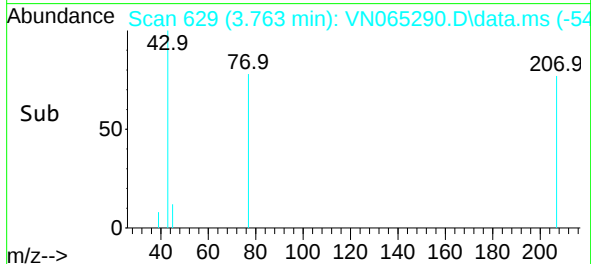
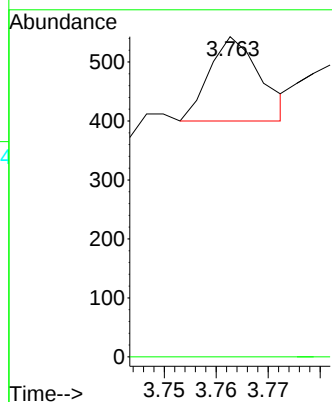
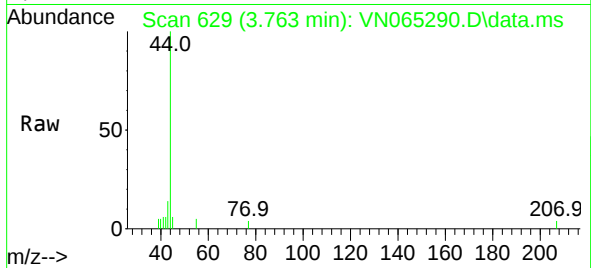




#16
Acetone
Concen: Below Cal
RT: 3.763 min Scan# 629
Delta R.T. -0.022 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

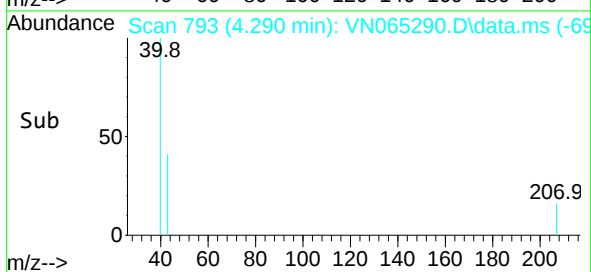
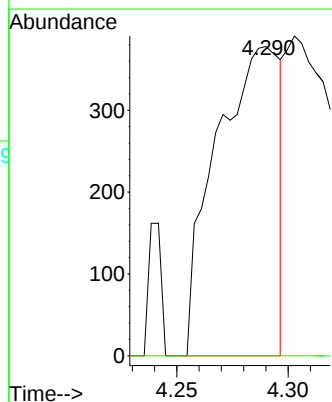
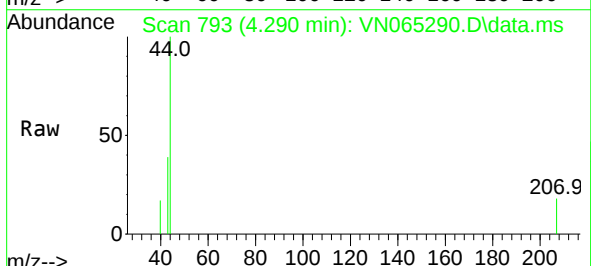
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

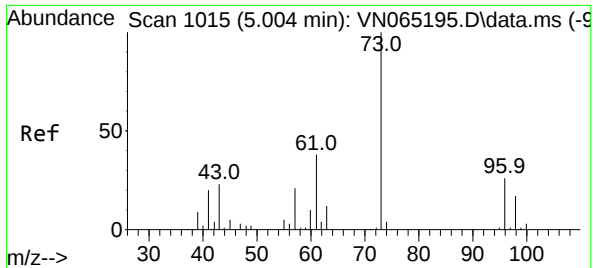
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



#18
Methyl Acetate
Concen: 0.32 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.003 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

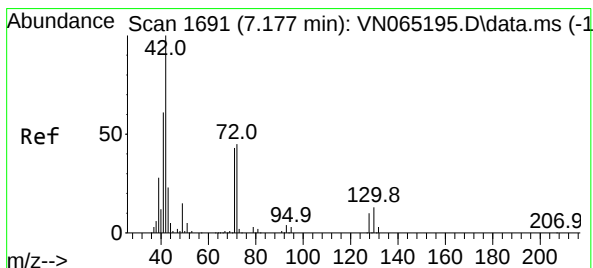
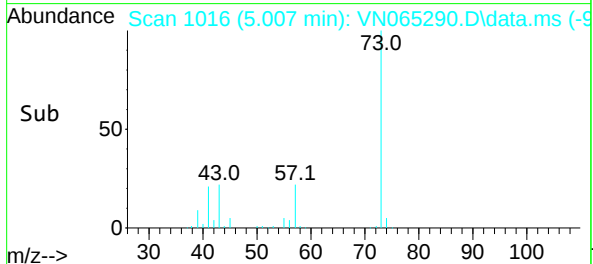
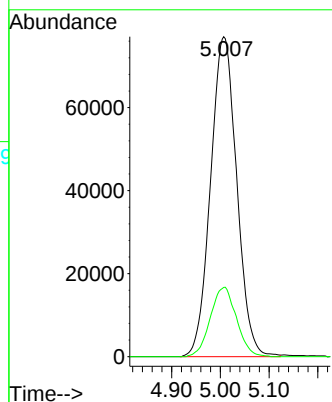
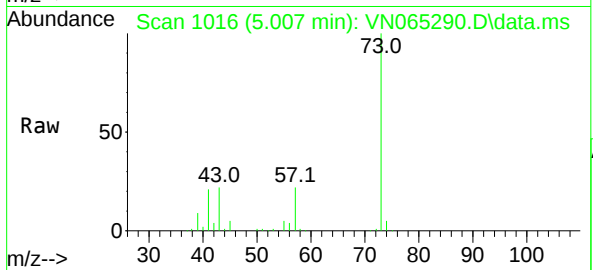




#19
Methyl tert-butyl Ether
Concen: 40.35 ug/l
RT: 5.007 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

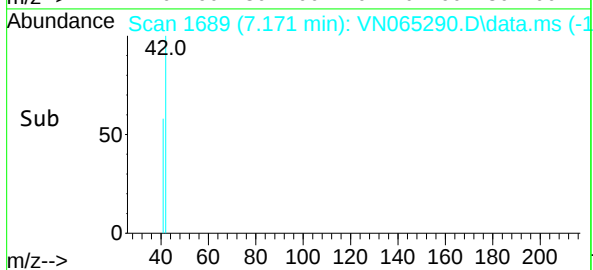
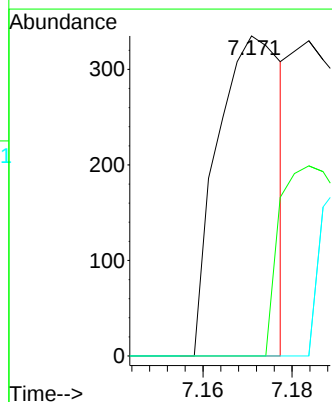
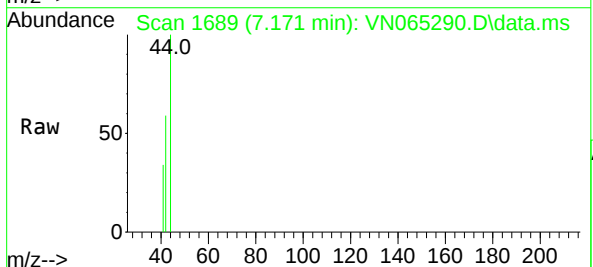
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

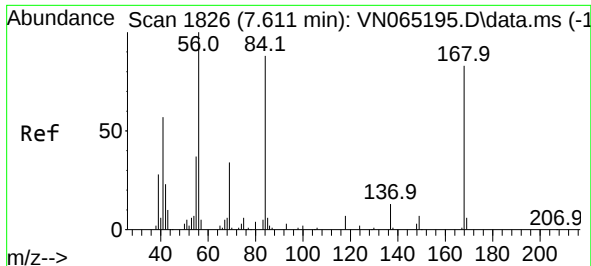
Tgt Ion: 73 Resp: 287801
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0



#29
Tetrahydrofuran
Concen: 0.35 ug/l
RT: 7.171 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

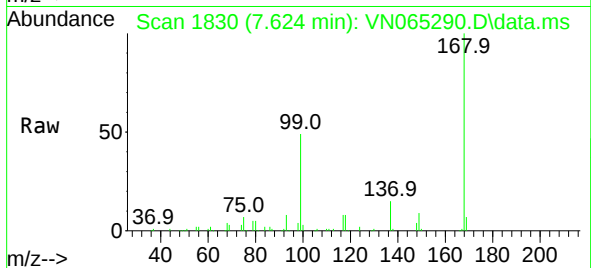
Tgt Ion: 42 Resp: 330
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 33.6 50.4#



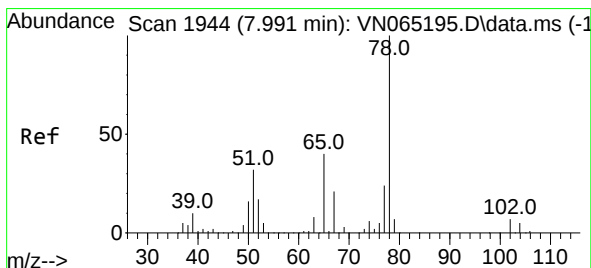
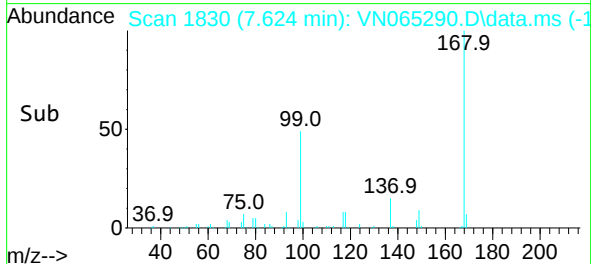
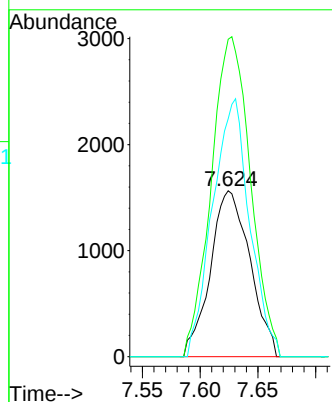


#31
Cyclohexane
Concen: 0.98 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

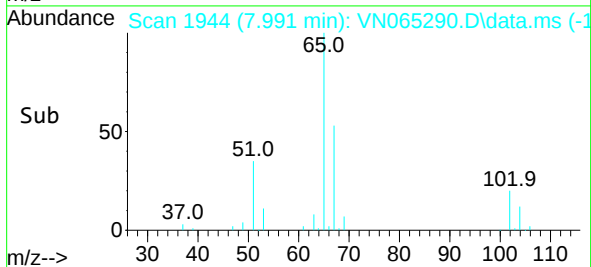
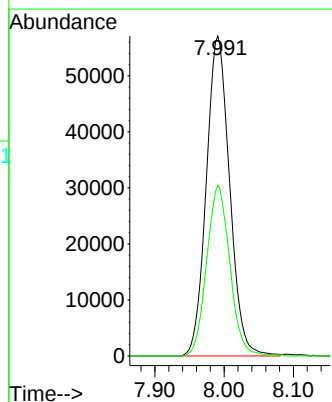
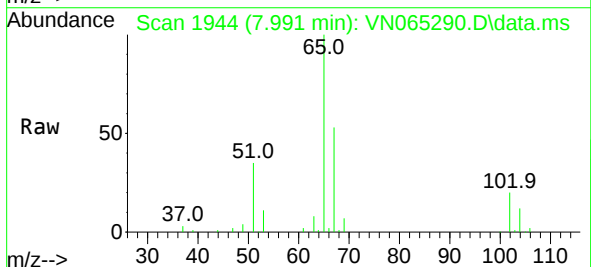


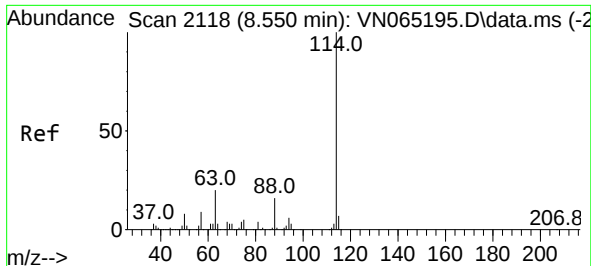
Tgt Ion: 56 Resp: 3728
Ion Ratio Lower Upper
56 100
69 191.3 27.5 41.3#
84 143.4 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 51.76 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Tgt Ion: 65 Resp: 133614
Ion Ratio Lower Upper
65 100
67 52.7 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: VN065290.D

Acq: 28 Dec 2020 16:55

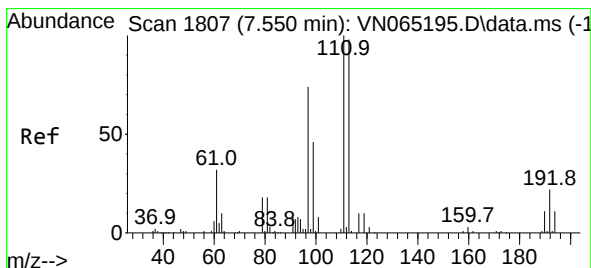
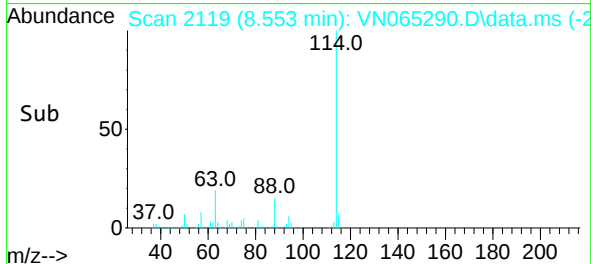
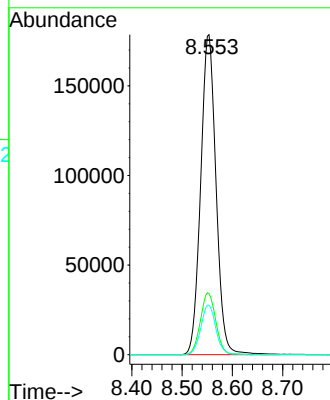
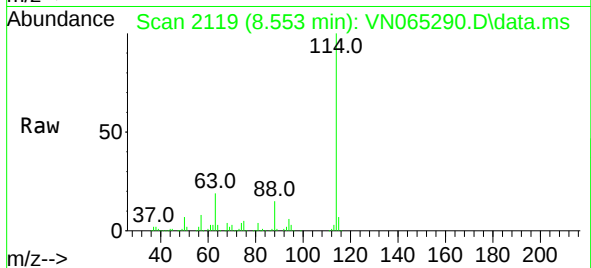
Tgt Ion:114 Resp: 378359

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.36 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065290.D

Acq: 28 Dec 2020 16:55

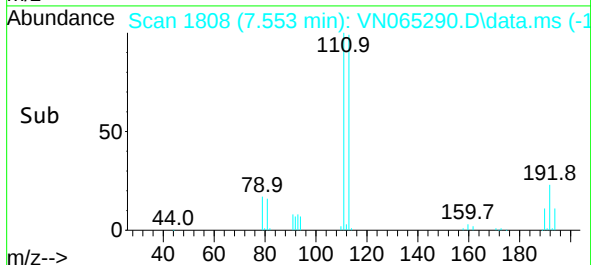
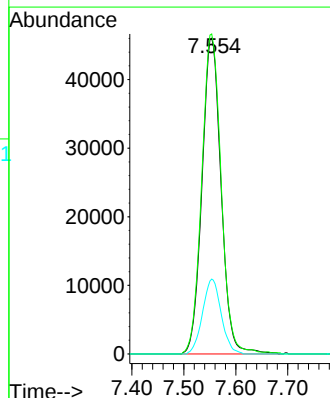
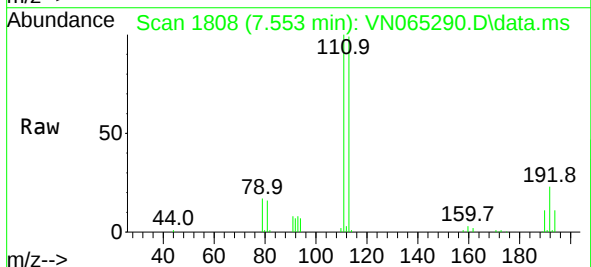
Tgt Ion:113 Resp: 117243

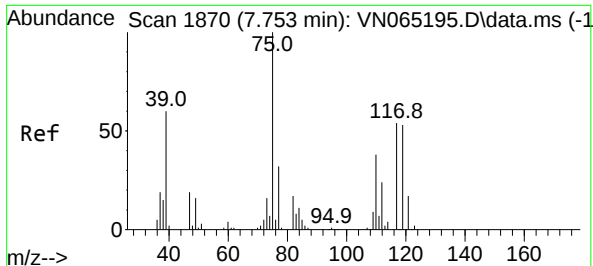
Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

192 23.2 16.2 24.2

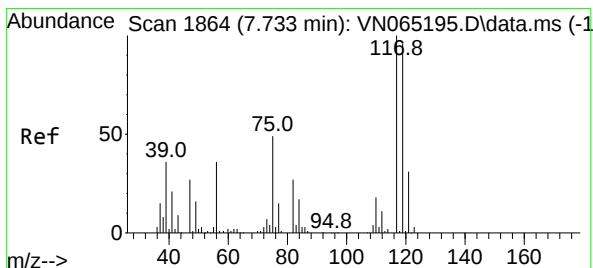
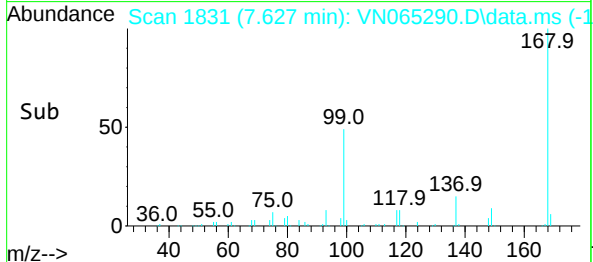
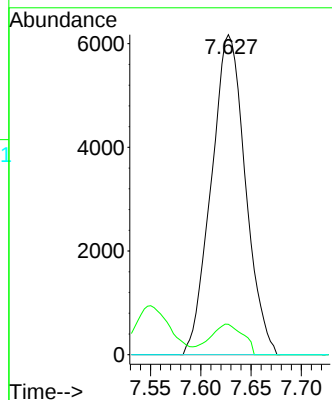
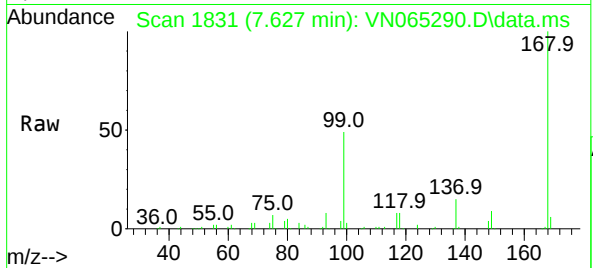




#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

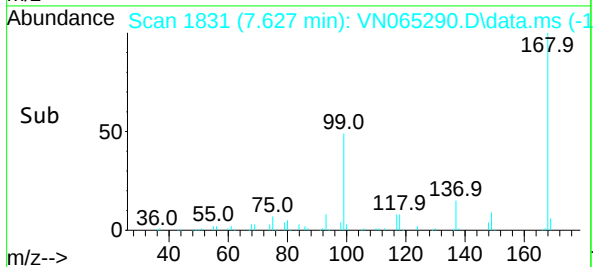
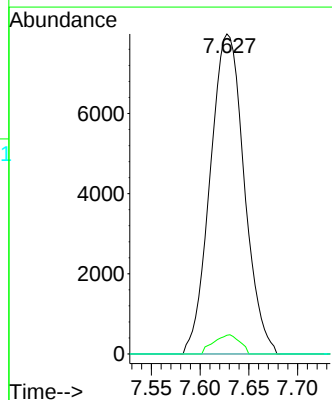
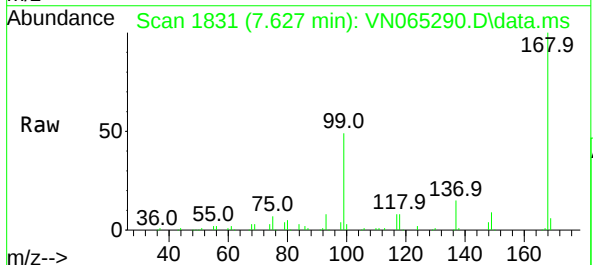
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

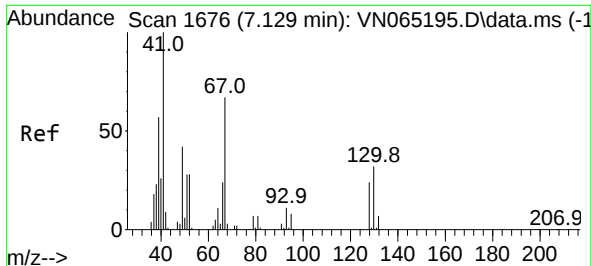
Tgt Ion: 75 Resp: 14574
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.37 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

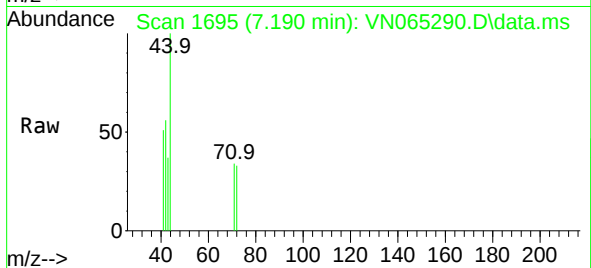
Tgt Ion: 117 Resp: 19407
Ion Ratio Lower Upper
117 100
119 5.8 76.7 115.1#
121 0.0 25.4 38.2#



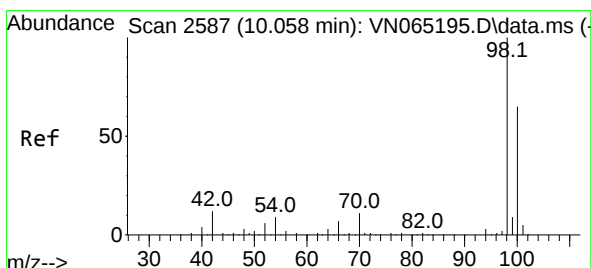
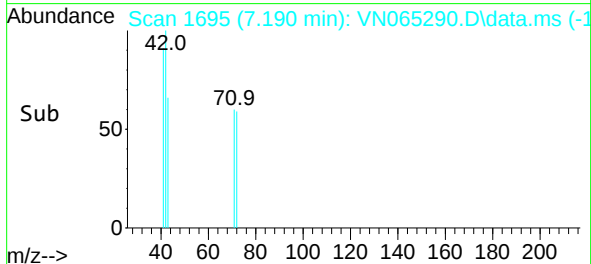
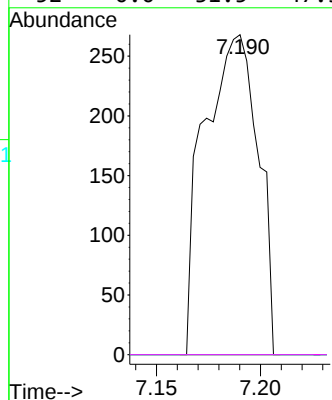


#41
Methacrylonitrile
Concen: 0.27 ug/l
RT: 7.190 min Scan# 1695
Delta R.T. 0.061 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Instrument :
MSVOA_N
ClientSampled :
MW-4DL

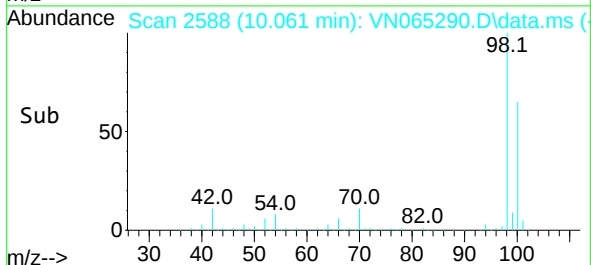
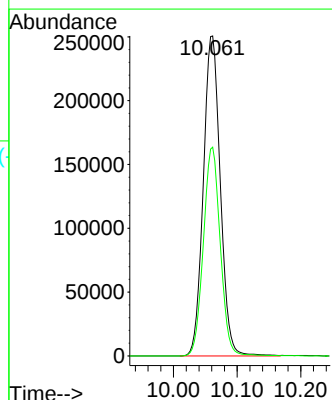
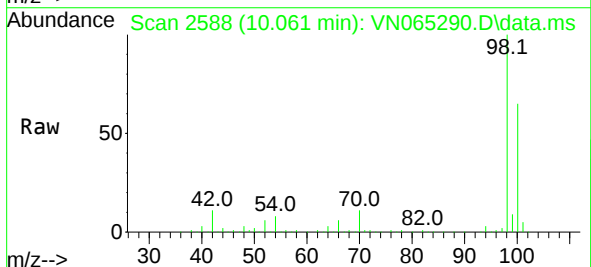


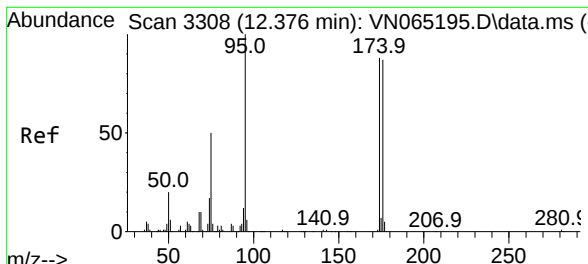
Tgt Ion: 41	Resp: 483
Ion Ratio	Lower Upper
41 100	
39 0.0	51.0 76.6#
67 0.0	79.8 119.8#
52 0.0	31.5 47.3#



#50
Toluene-d8
Concen: 54.47 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Tgt Ion: 98	Resp: 466000
Ion Ratio	Lower Upper
98 100	
100 64.7	51.7 77.5

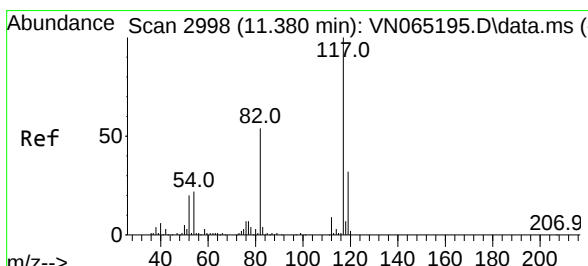
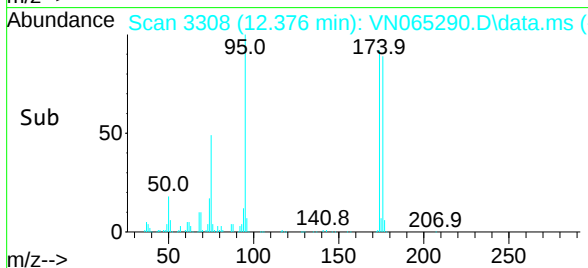
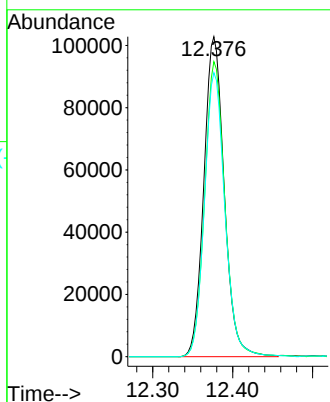
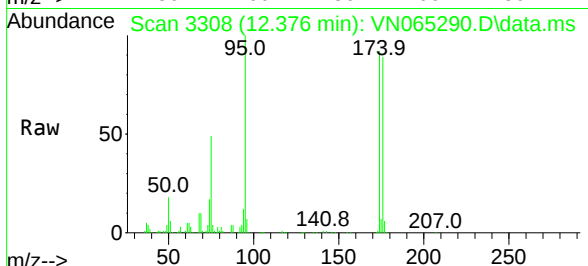




#62
4-Bromofluorobenzene
Concen: 53.42 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

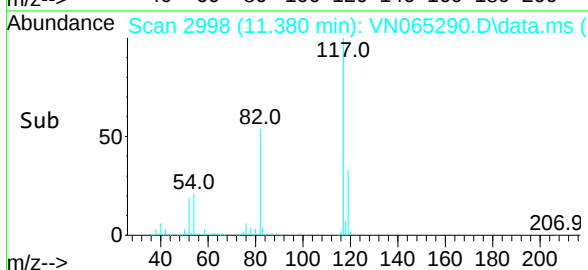
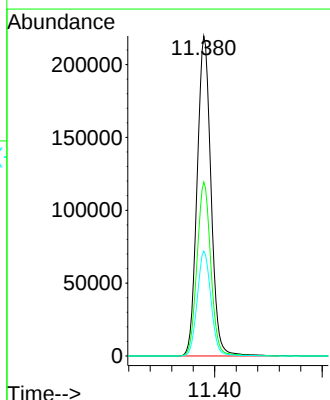
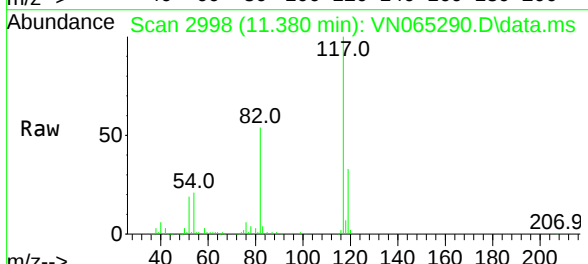
Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

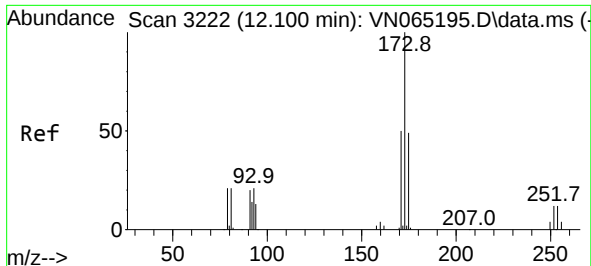
Tgt Ion:	95	Resp:	182057
Ion Ratio	Lower	Upper	
95	100		
174	91.9	0.0	160.4
176	89.0	0.0	158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Tgt Ion:	117	Resp:	391898
Ion Ratio	Lower	Upper	
117	100		
82	54.3	44.2	66.2
119	32.8	25.8	38.6

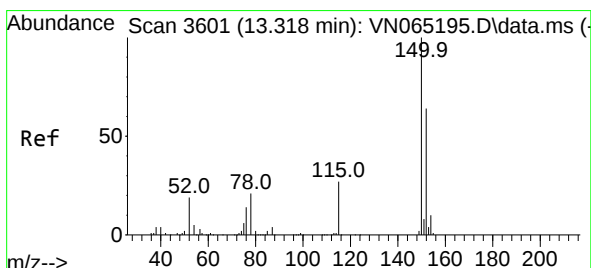
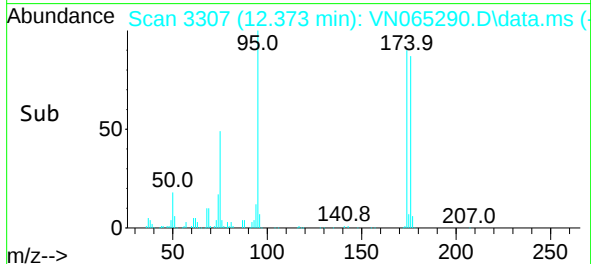
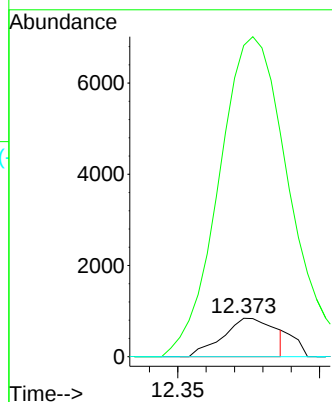
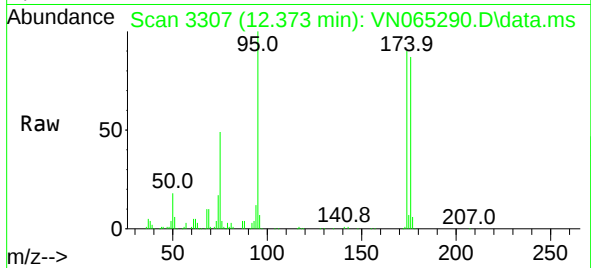




#71
Bromoform
Concen: 0.40 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

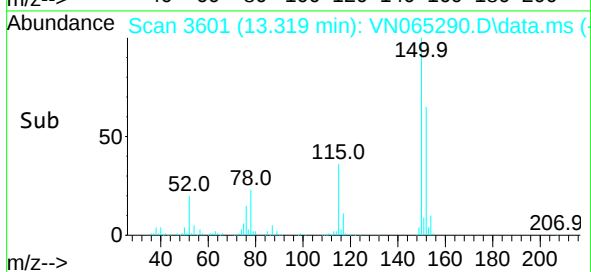
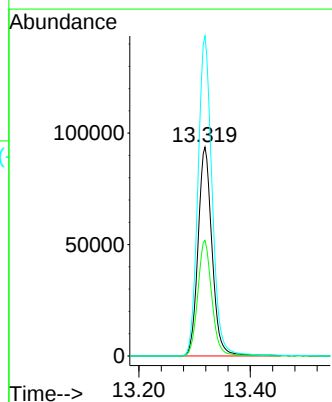
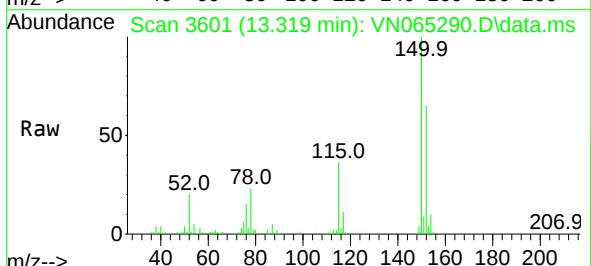
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

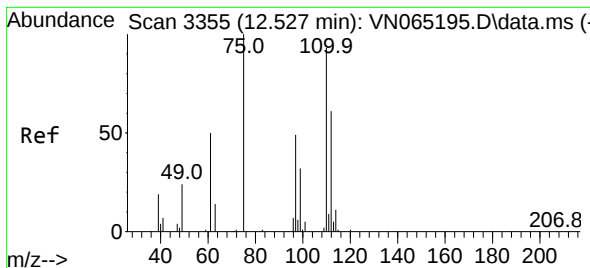
Tgt Ion:173 Resp: 1074
Ion Ratio Lower Upper
173 100
175 918.2 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.319 min Scan# 3601
Delta R.T. 0.001 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Tgt Ion:152 Resp: 163723
Ion Ratio Lower Upper
152 100
115 54.9 29.7 89.1
150 154.8 0.0 350.6

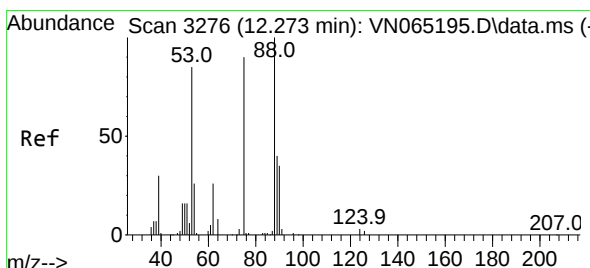
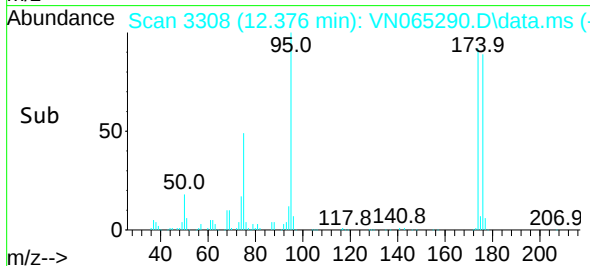
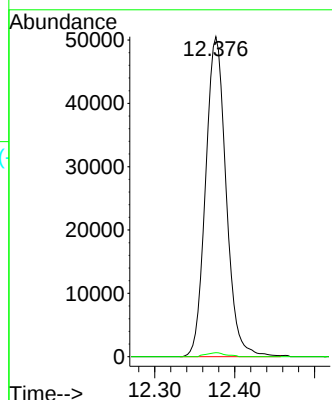
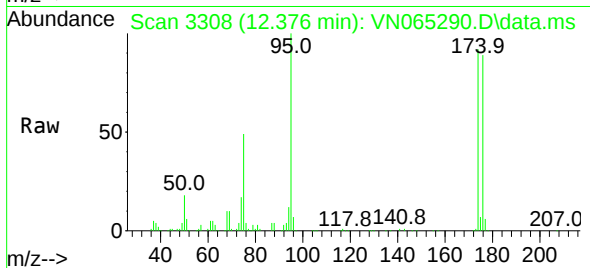




#76
1,2,3-Trichloropropane
Concen: 26.99 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Instrument :
MSVOA_N
ClientSampled :
MW-4DL

Tgt Ion: 75 Resp: 90149
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.06 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065290.D
Acq: 28 Dec 2020 16:55

Tgt Ion: 75 Resp: 90149
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

