

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122820\
 Data File : VN065285.D
 Acq On : 28 Dec 2020 14:51
 Operator : JC/MD
 Sample : L5218-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 29 02:21:41 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	245527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	406575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	425225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	174414	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	139457	50.31	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.62%
35) Dibromofluoromethane	7.553	113	125103	51.00	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.00%
50) Toluene-d8	10.061	98	502722	54.68	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.36%
62) 4-Bromofluorobenzene	12.376	95	196323	53.59	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.18%

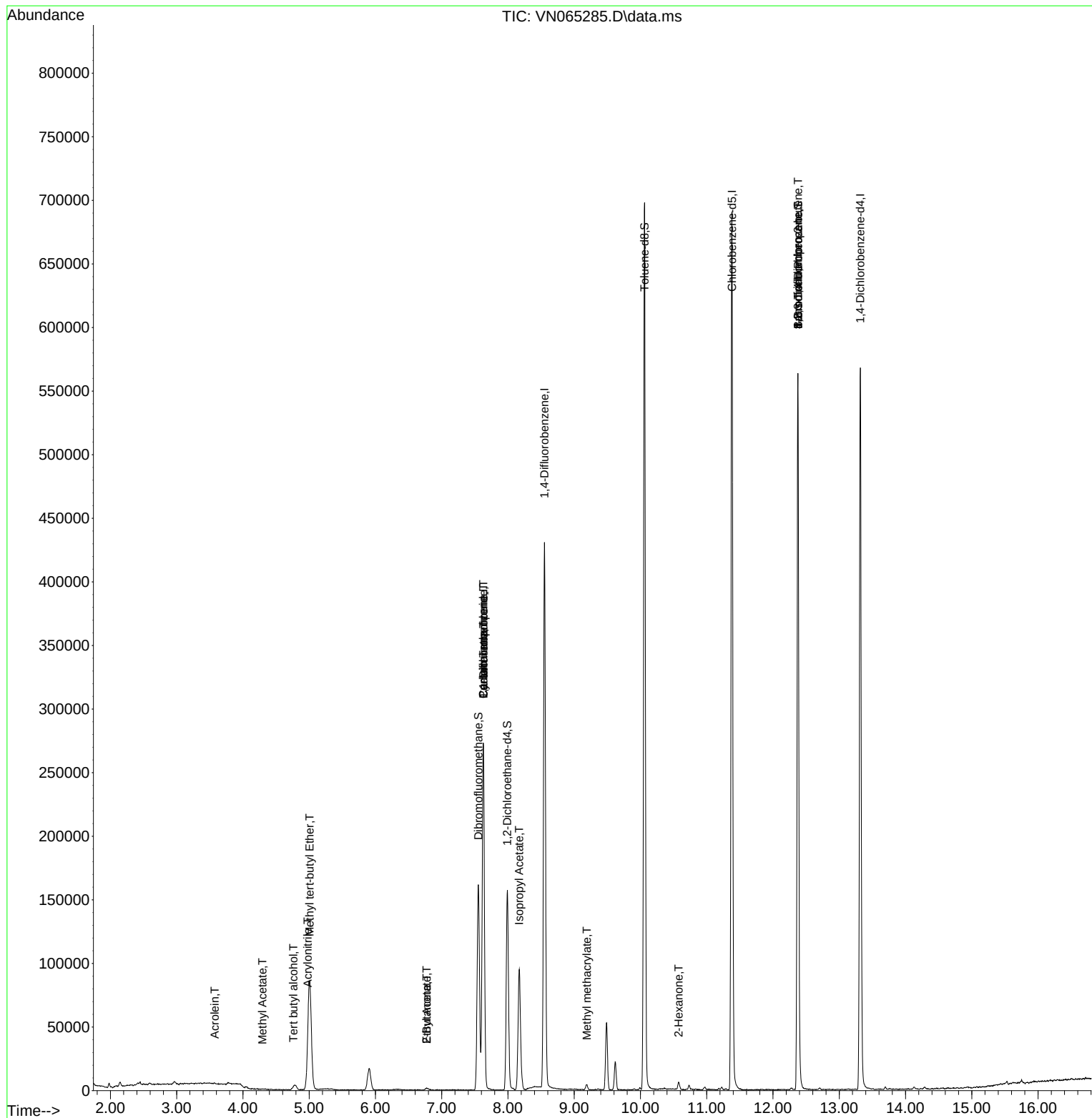
Target Compounds						Qvalue
11) Tert butyl alcohol	4.762	59	2006	4.42	ug/l #	73
13) Acrolein	3.573	56	102	2.74	ug/l #	1
15) Acrylonitrile	4.978	53	337	0.31	ug/l #	18
16) Acetone	3.782	43	817	Below	Cal	93
18) Methyl Acetate	4.293	43	1127	0.45	ug/l #	50
19) Methyl tert-butyl Ether	5.007	73	157712	20.59	ug/l	99
25) 2-Butanone	6.775	43	737	0.47	ug/l #	49
31) Cyclohexane	7.627	56	4161	1.02	ug/l #	3
36) 1,1-Dichloropropene	7.627	75	15683	4.24	ug/l #	48
37) Ethyl Acetate	6.775	43	737	0.20	ug/l #	66
38) Carbon Tetrachloride	7.627	117	20574	5.30	ug/l #	17
43) Isopropyl Acetate	8.171	43	22076	3.50	ug/l #	59
48) Methyl methacrylate	9.190	41	1222	0.40	ug/l #	27
59) 2-Hexanone	10.576	43	4618	1.77	ug/l	67
71) Bromoform	12.376	173	1166	0.40	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	97727	27.46	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	97727	69.25	ug/l #	15

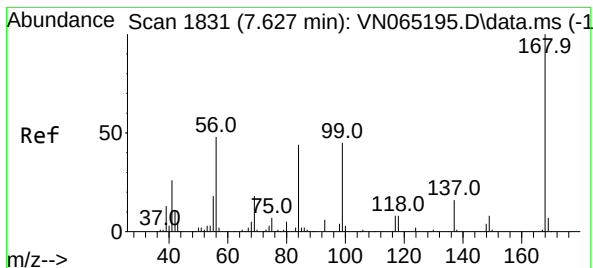
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

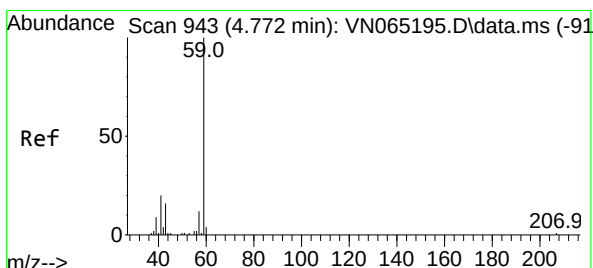
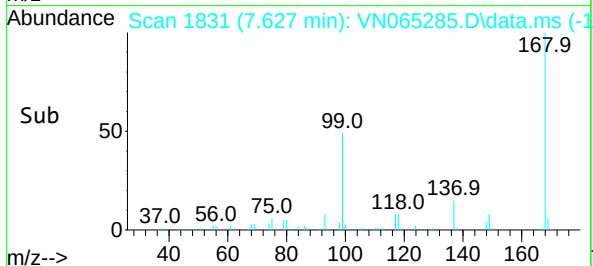
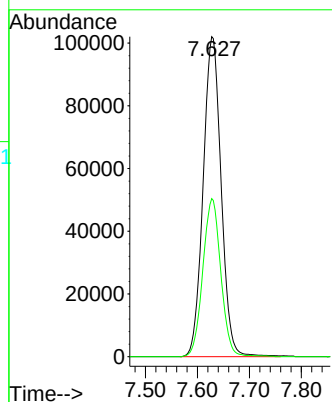
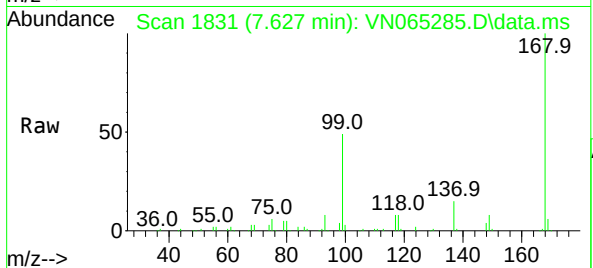




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

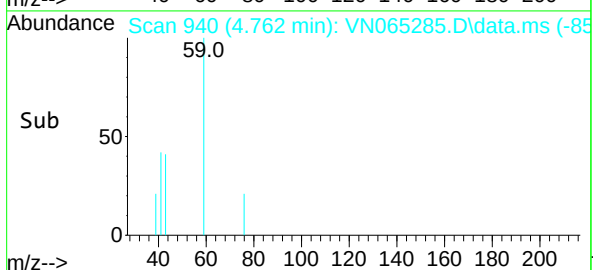
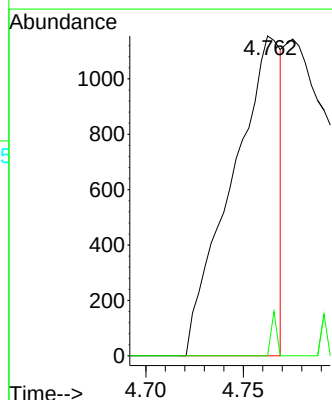
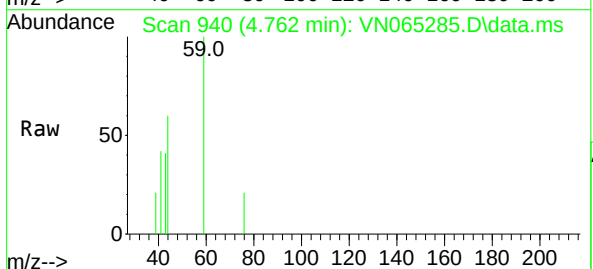
Instrument :
MSVOA_N
ClientSampled :

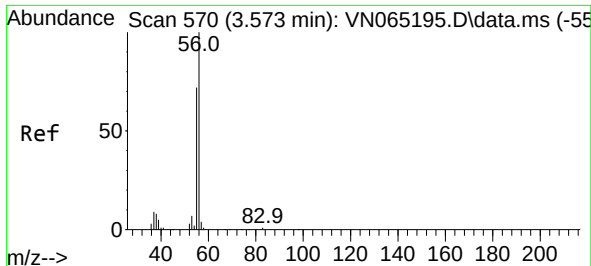
Tgt Ion:168 Resp: 245527
Ion Ratio Lower Upper
168 100
99 49.4 43.0 64.4



#11
Tert butyl alcohol
Concen: 4.42 ug/l
RT: 4.762 min Scan# 940
Delta R.T. -0.010 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

Tgt Ion: 59 Resp: 2006
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

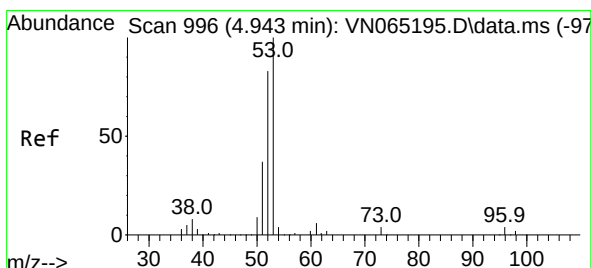
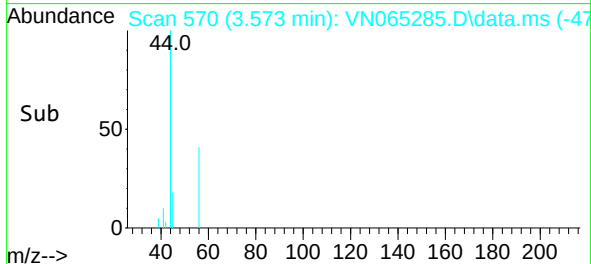
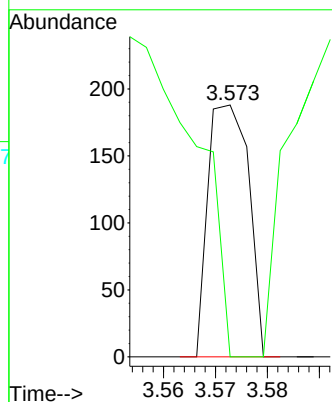
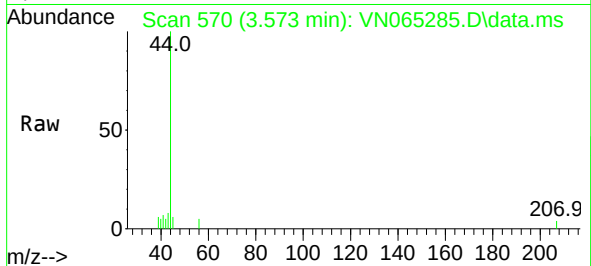




#13
Acrolein
Concen: 2.74 ug/l
RT: 3.573 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

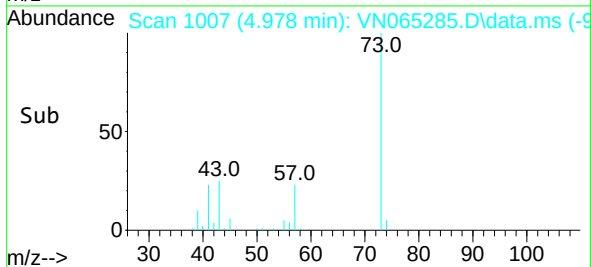
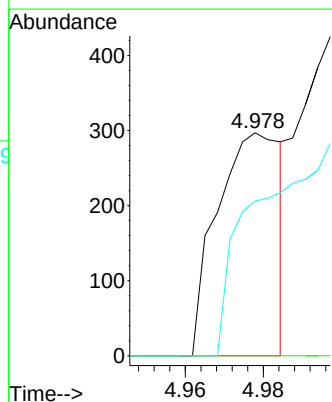
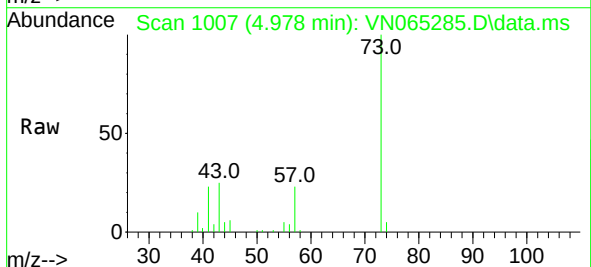
Instrument :
MSVOA_N
ClientSampled :

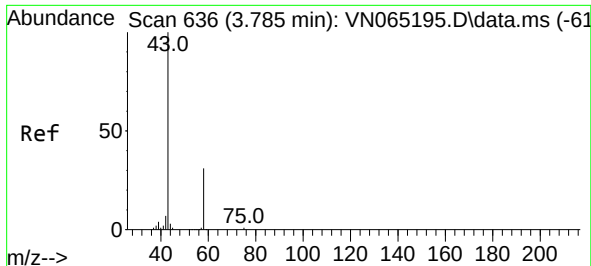
Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 263.7 56.5 84.7#



#15
Acrylonitrile
Concen: 0.31 ug/l
RT: 4.978 min Scan# 1007
Delta R.T. 0.035 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

Tgt Ion: 53 Resp: 337
Ion Ratio Lower Upper
53 100
52 0.0 65.5 98.3#
51 0.0 28.6 43.0#

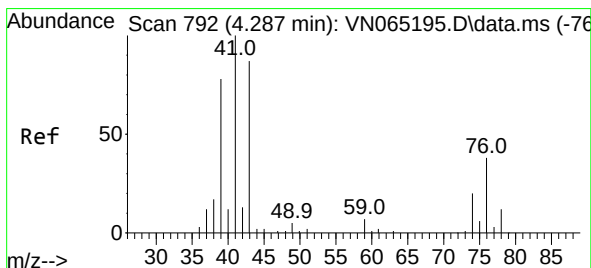
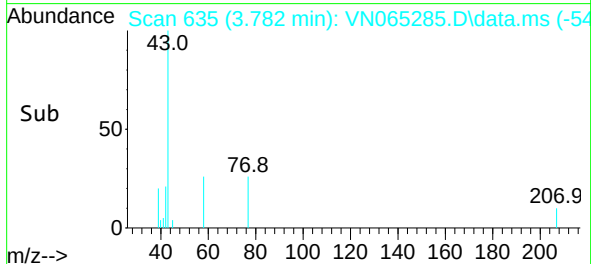
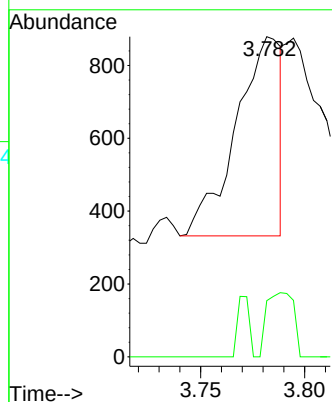
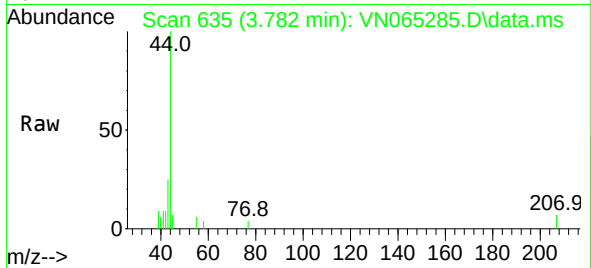




#16
Acetone
Concen: Below Cal
RT: 3.782 min Scan# 635
Delta R.T. -0.003 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

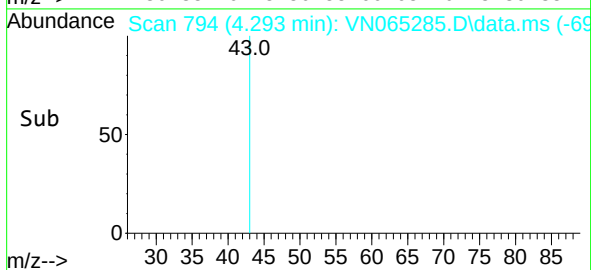
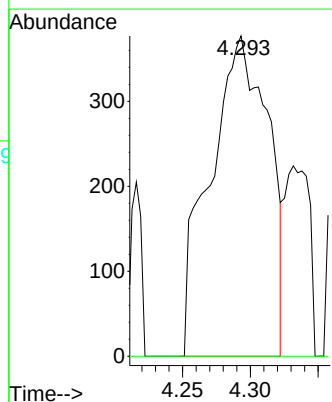
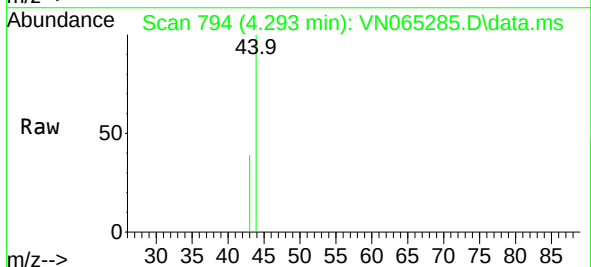
Instrument :
MSVOA_N
ClientSampled :

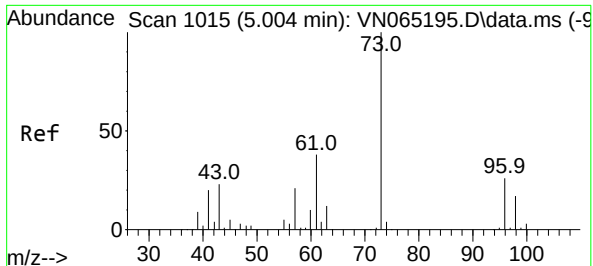
Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 28.2 25.7 38.5



#18
Methyl Acetate
Concen: 0.45 ug/l
RT: 4.293 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

Tgt Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

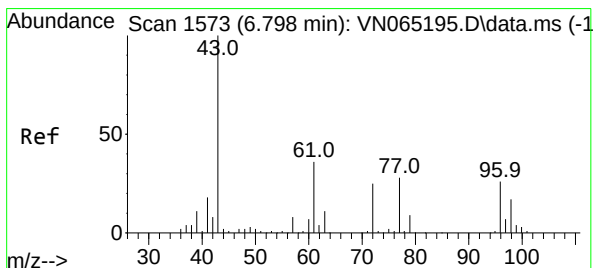
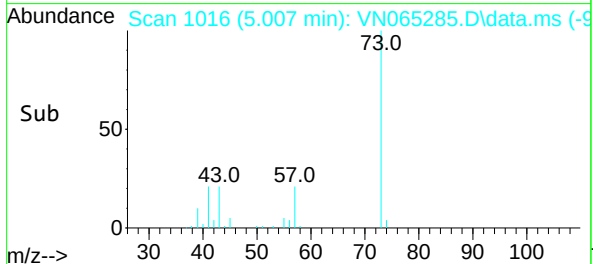
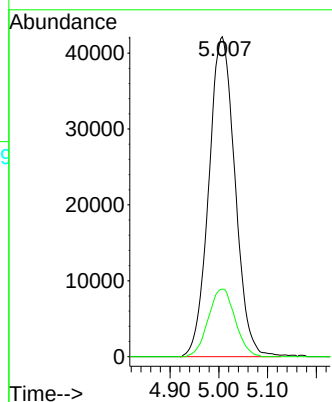
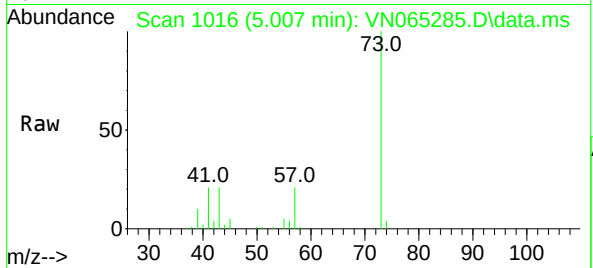




#19
Methyl tert-butyl Ether
Concen: 20.59 ug/l
RT: 5.007 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

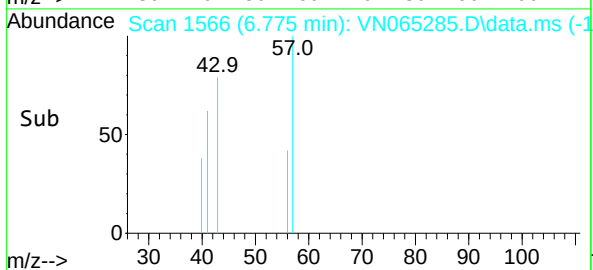
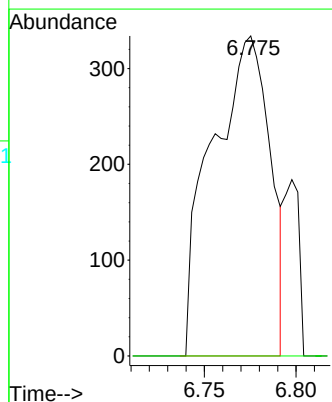
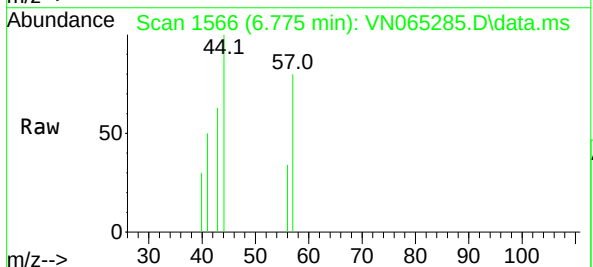
Instrument :
MSVOA_N
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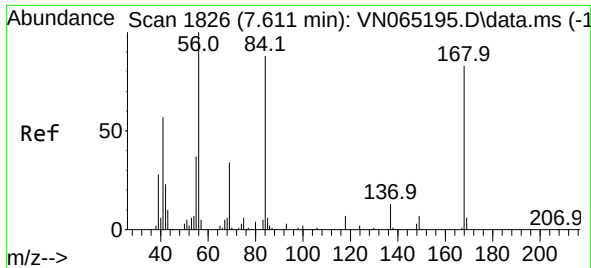
Tgt Ion: 73 Resp: 157712
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.0



#25
2-Butanone
Concen: 0.47 ug/l
RT: 6.775 min Scan# 1566
Delta R.T. -0.023 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

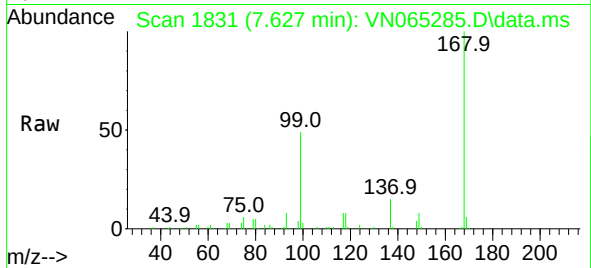
Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



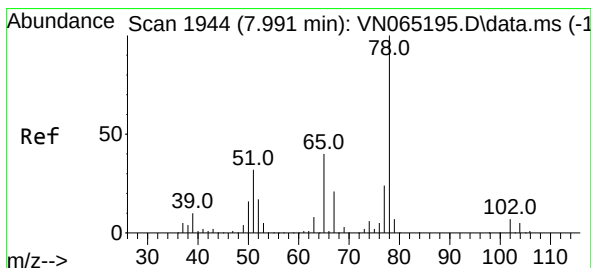
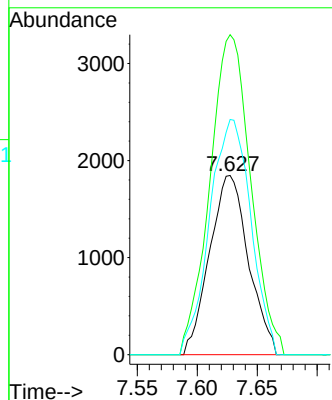
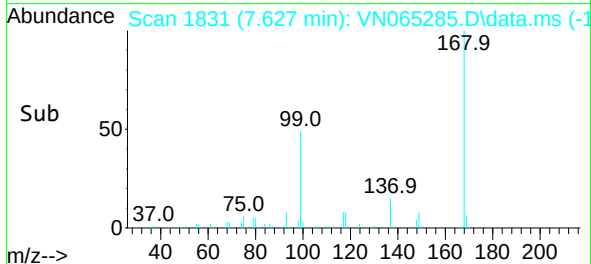


#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

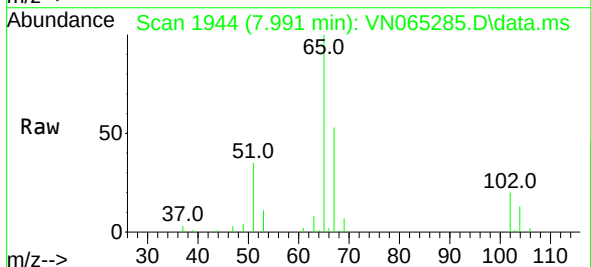
Instrument :
MSVOA_N
ClientSampleId :



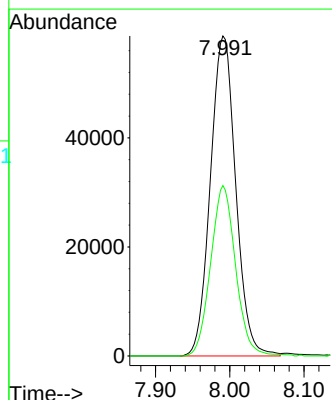
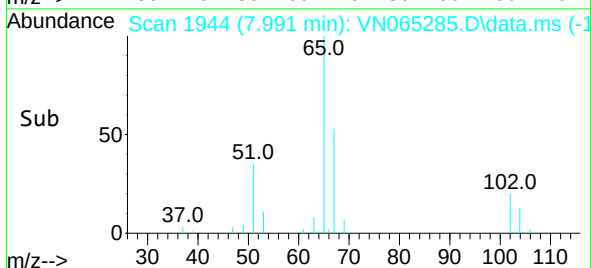
Tgt Ion: 56 Resp: 4161
Ion Ratio Lower Upper
56 100
69 178.5 27.5 41.3#
84 131.2 73.9 110.9#

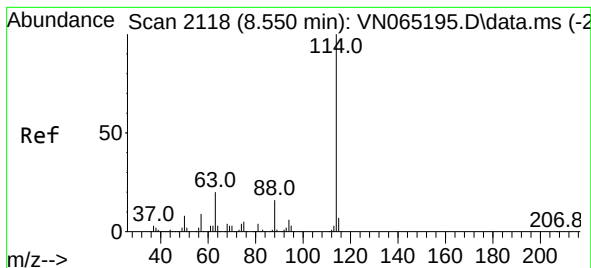


#33
1,2-Dichloroethane-d4
Concen: 50.31 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51



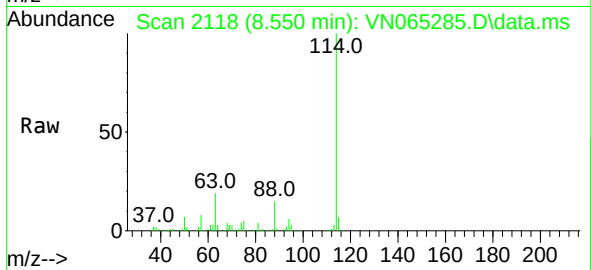
Tgt Ion: 65 Resp: 139457
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.2



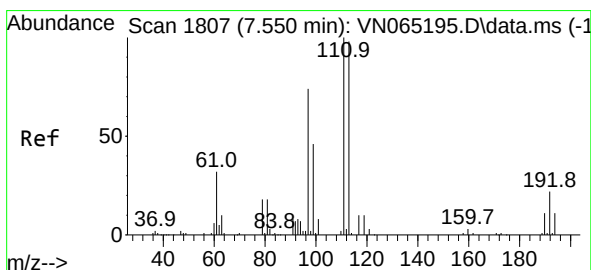
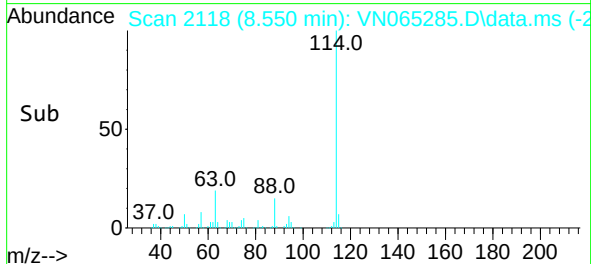
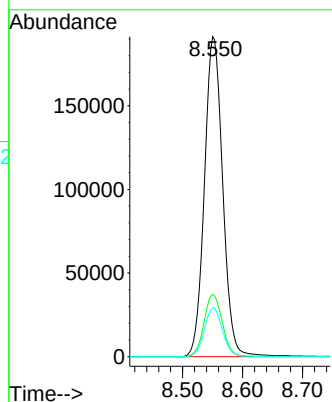


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

Instrument :
MSVOA_N
ClientSampled :

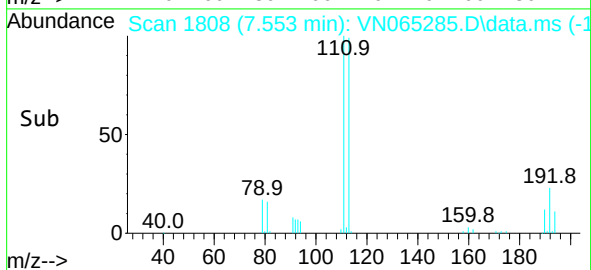
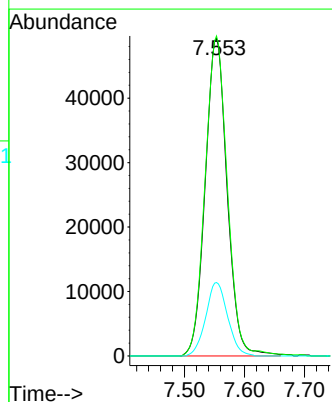
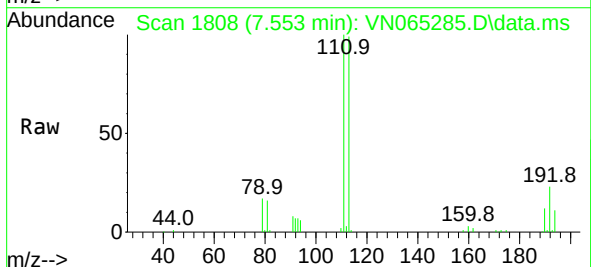


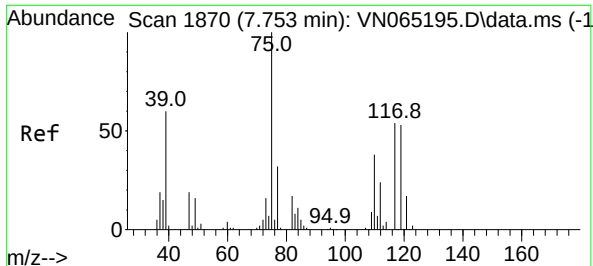
Tgt Ion:114 Resp: 406575
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.6
88 15.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.00 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

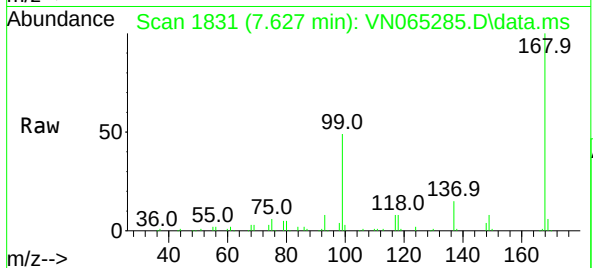
Tgt Ion:113 Resp: 125103
Ion Ratio Lower Upper
113 100
111 101.2 81.6 122.4
192 23.1 16.2 24.2



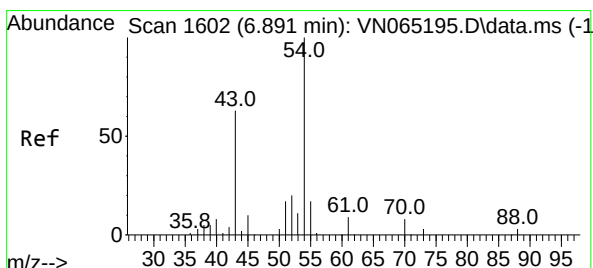
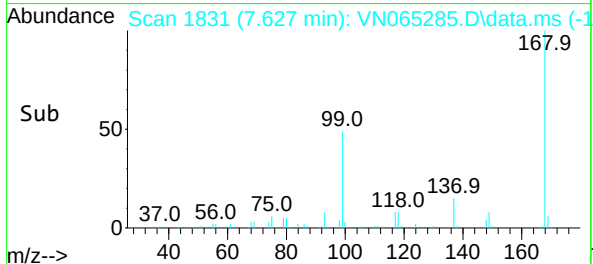
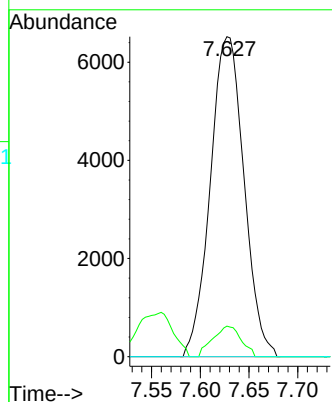


#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

Instrument :
MSVOA_N
ClientSampleId :

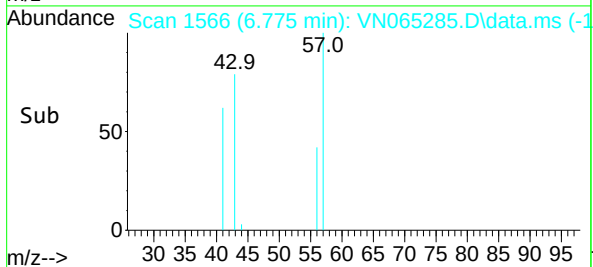
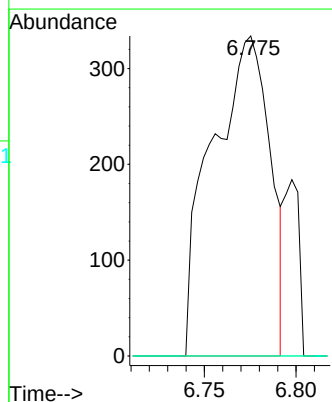
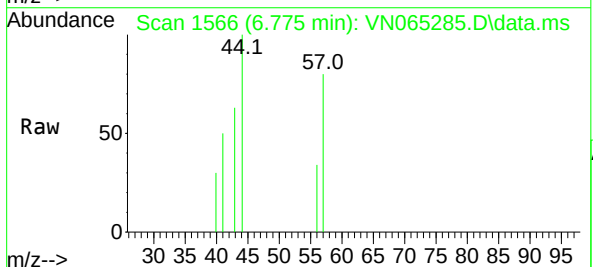


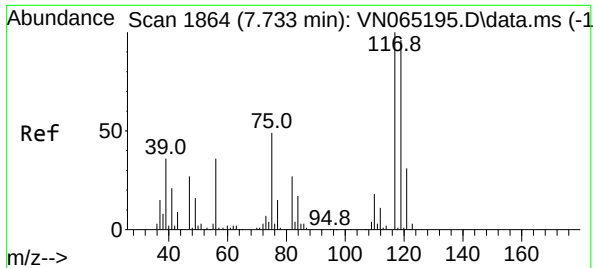
Tgt Ion: 75 Resp: 15683
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.20 ug/l
RT: 6.775 min Scan# 1566
Delta R.T. -0.116 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

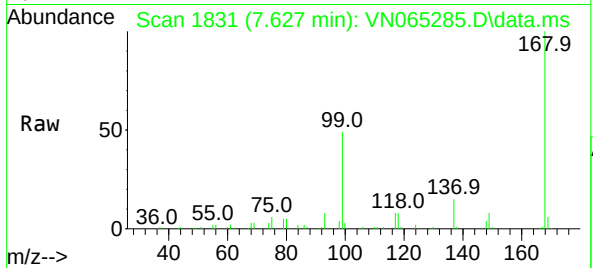
Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



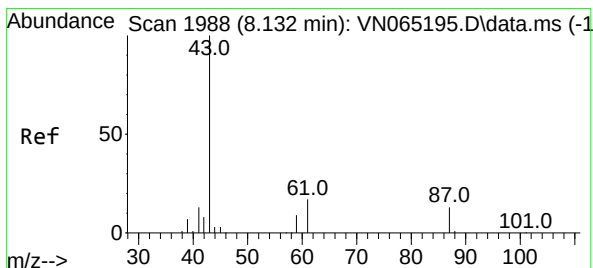
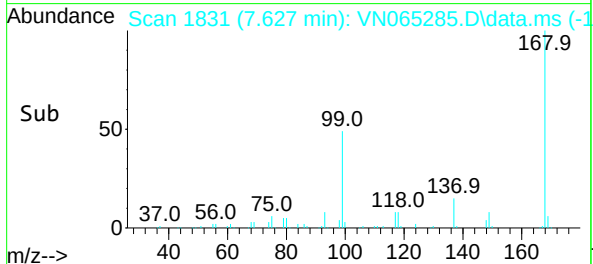
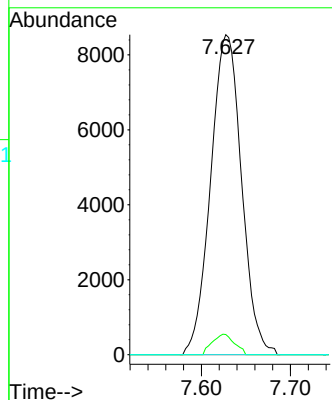


#38
Carbon Tetrachloride
Concen: 5.30 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

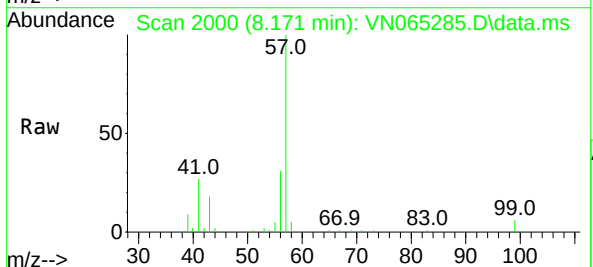
Instrument :
MSVOA_N
ClientSampleId :



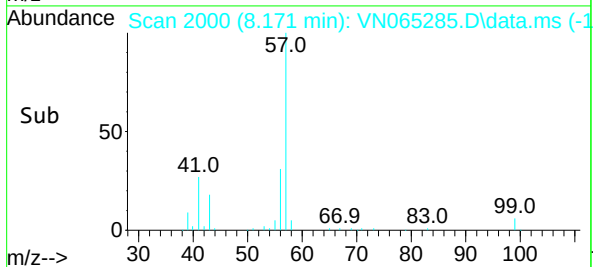
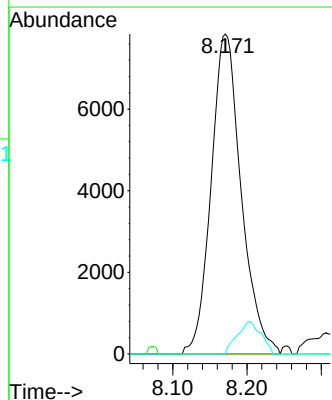
Tgt Ion:117 Resp: 20574
Ion Ratio Lower Upper
117 100
119 6.3 76.7 115.1#
121 0.0 25.4 38.2#

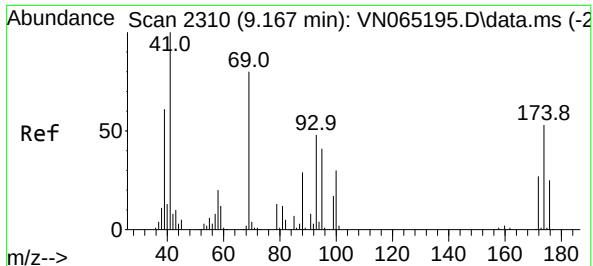


#43
Isopropyl Acetate
Concen: 3.50 ug/l
RT: 8.171 min Scan# 2000
Delta R.T. 0.039 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51



Tgt Ion: 43 Resp: 22076
Ion Ratio Lower Upper
43 100
61 0.0 17.2 25.8#
87 0.0 11.4 17.0#

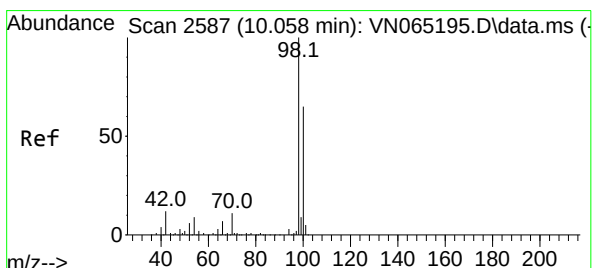
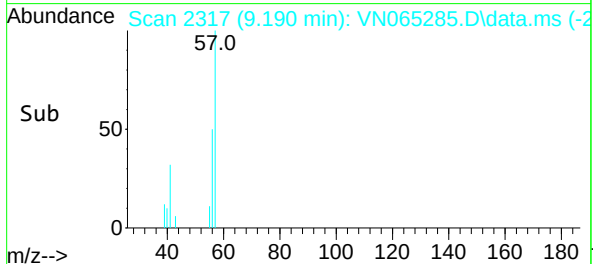
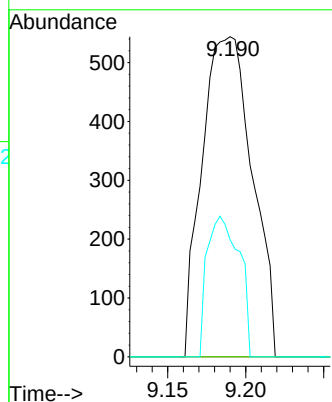
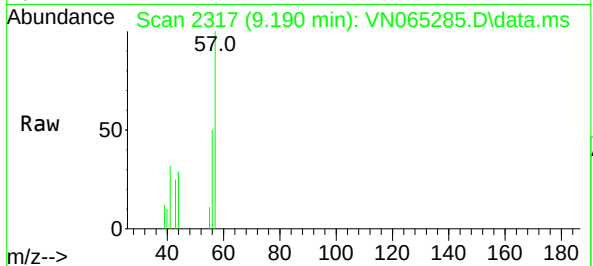




#48
Methyl methacrylate
Concen: 0.40 ug/l
RT: 9.190 min Scan# 2317
Delta R.T. 0.023 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

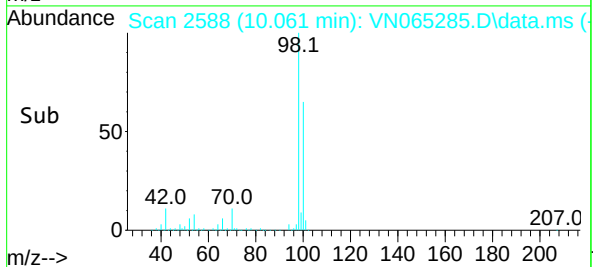
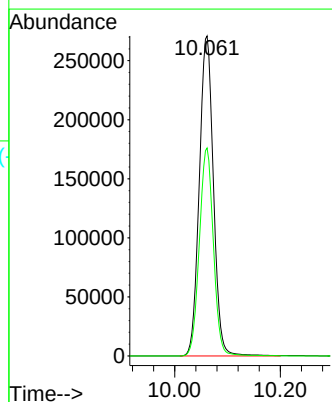
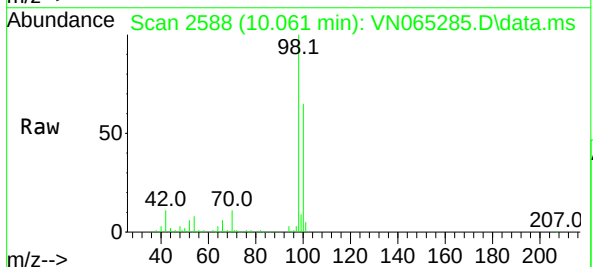
Instrument :
MSVOA_N
ClientSampled :

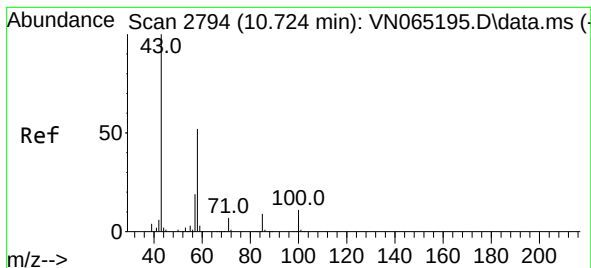
Tgt Ion: 41 Resp: 1222
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 28.0 44.1 66.1#



#50
Toluene-d8
Concen: 54.68 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

Tgt Ion: 98 Resp: 502722
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5

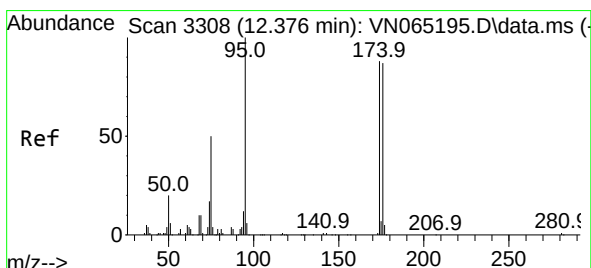
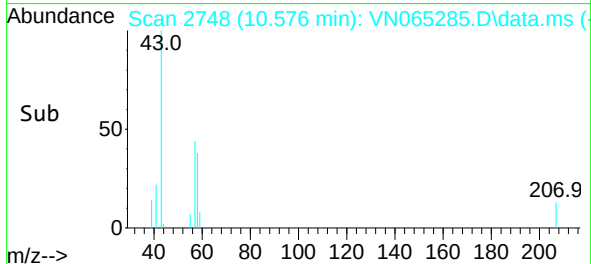
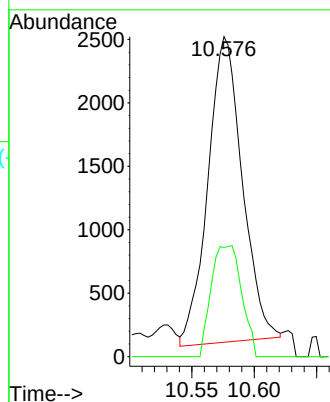
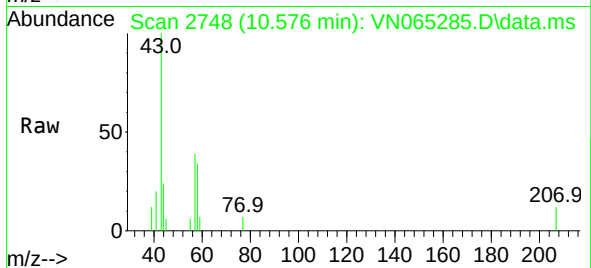




#59
2-Hexanone
Concen: 1.77 ug/l
RT: 10.576 min Scan# 2748
Delta R.T. -0.148 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

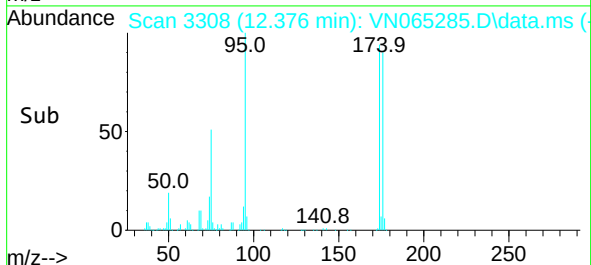
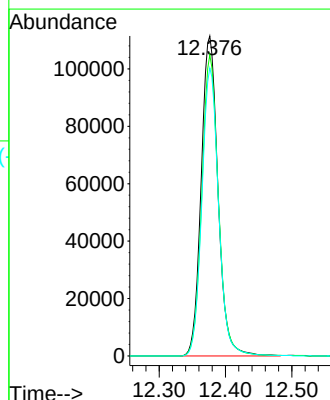
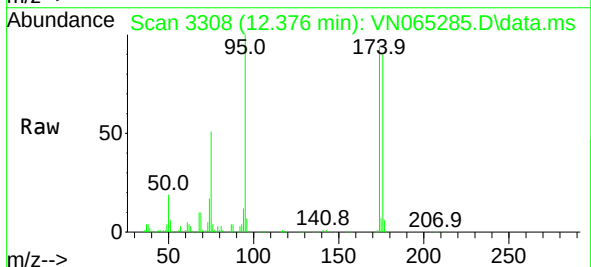
Instrument :
MSVOA_N
ClientSampled :

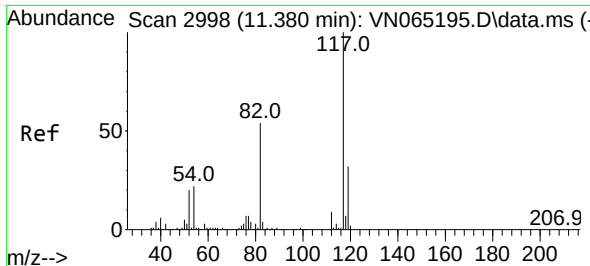
Tgt Ion: 43 Resp: 4618
Ion Ratio Lower Upper
43 100
58 32.1 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 53.59 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

Tgt Ion: 95 Resp: 196323
Ion Ratio Lower Upper
95 100
174 92.8 0.0 160.4
176 89.5 0.0 158.4

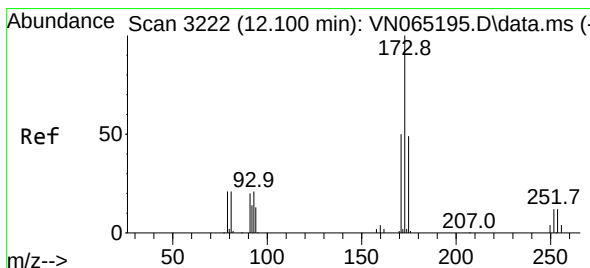
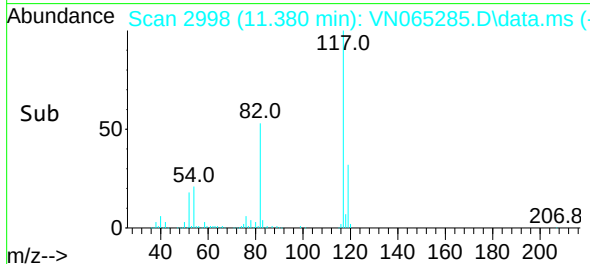
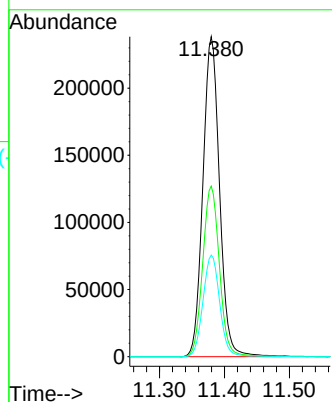
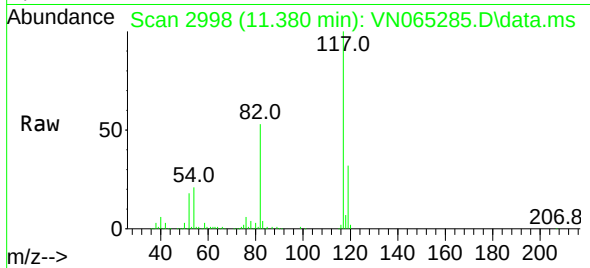




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

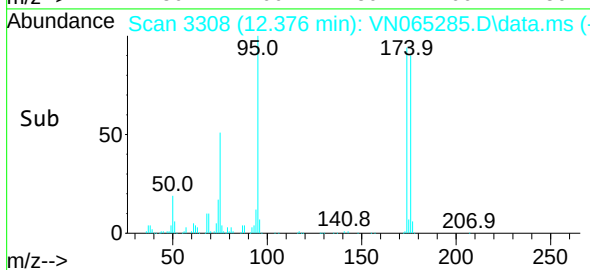
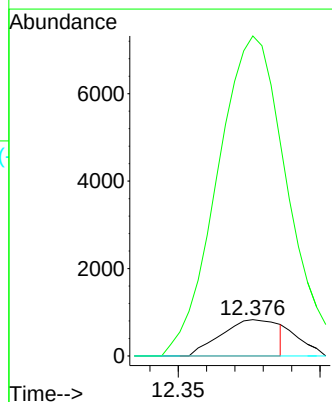
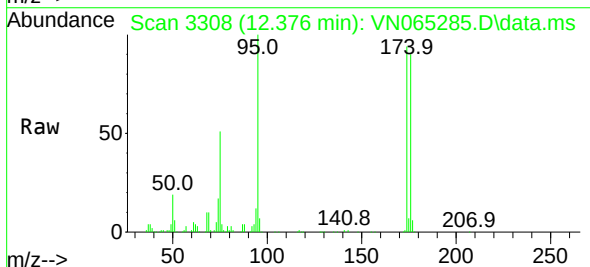
Instrument :
MSVOA_N
ClientSampled :

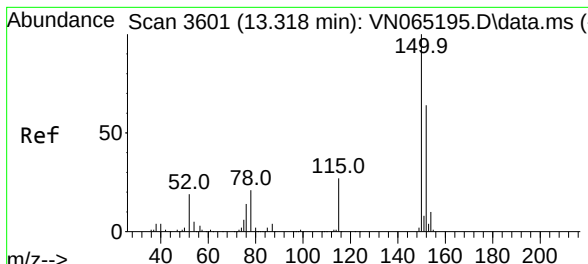
Tgt Ion:117 Resp: 425225
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 31.8 25.8 38.6



#71
Bromoform
Concen: 0.40 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065285.D
Acq: 28 Dec 2020 14:51

Tgt Ion:173 Resp: 1166
Ion Ratio Lower Upper
173 100
175 900.8 24.3 72.8#
254 0.0 0.0 0.0

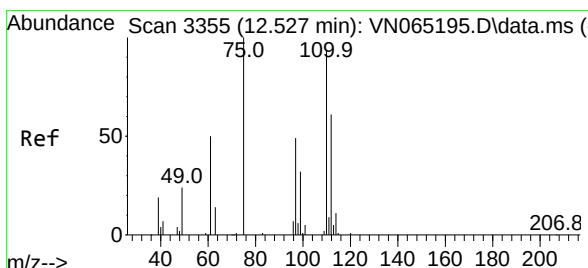
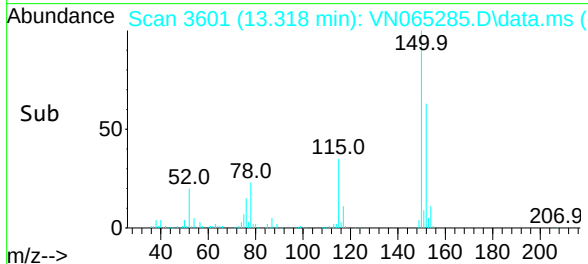
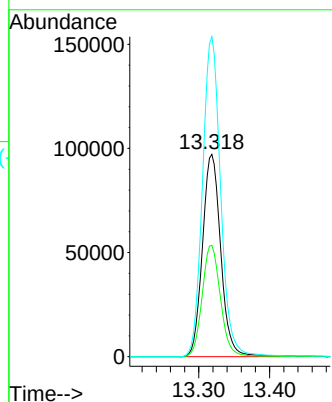
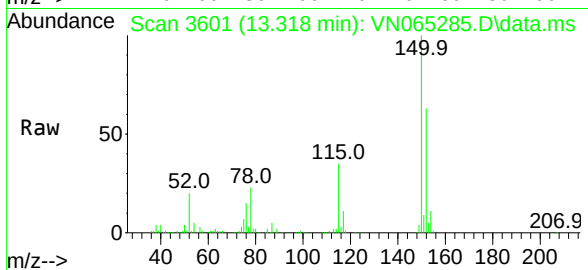




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.318 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: VN065285.D
 Acq: 28 Dec 2020 14:51

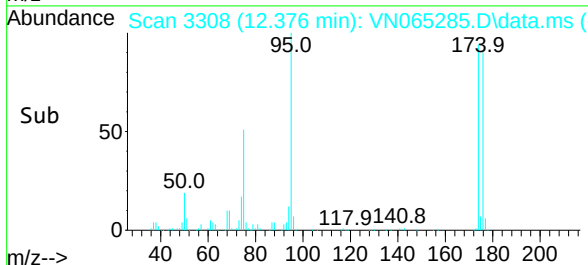
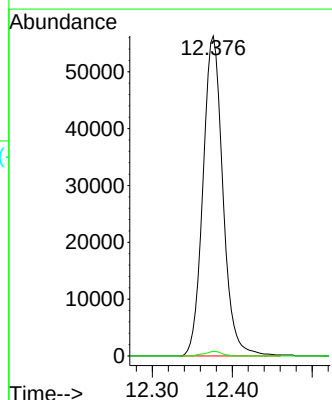
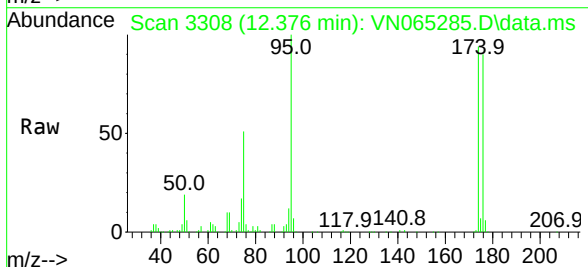
Instrument :
 MSVOA_N
 ClientSampled :

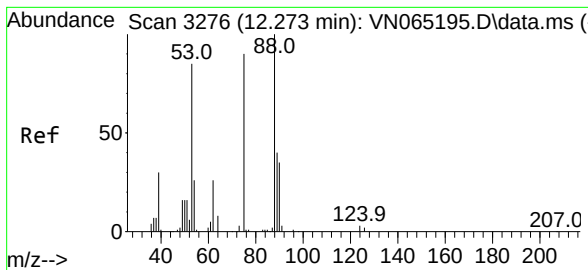
Tgt Ion:152 Resp: 174414
 Ion Ratio Lower Upper
 152 100
 115 55.2 29.7 89.1
 150 156.9 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 27.46 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.151 min
 Lab File: VN065285.D
 Acq: 28 Dec 2020 14:51

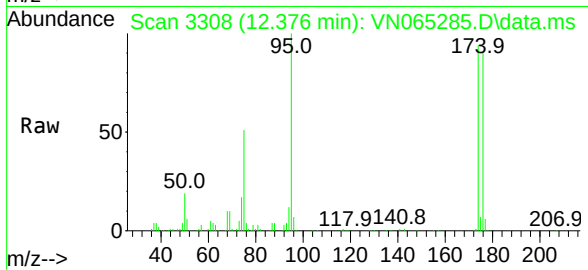
Tgt Ion: 75 Resp: 97727
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.25 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065285.D
 Acq: 28 Dec 2020 14:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	97727
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.0	100.4#
89	0.0	39.6	59.4#

