

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020921\
 Data File : VN065786.D
 Acq On : 9 Feb 2021 17:38
 Operator : JC/MD
 Sample : M1331-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 10 01:00:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.624	168	179124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	296836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	270792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	96936	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	99270	42.13	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	84.26%
35) Dibromofluoromethane	7.547	113	84924	48.28	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.56%
50) Toluene-d8	10.055	98	368924	53.36	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.72%
62) 4-Bromofluorobenzene	12.373	95	119370	47.94	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.88%

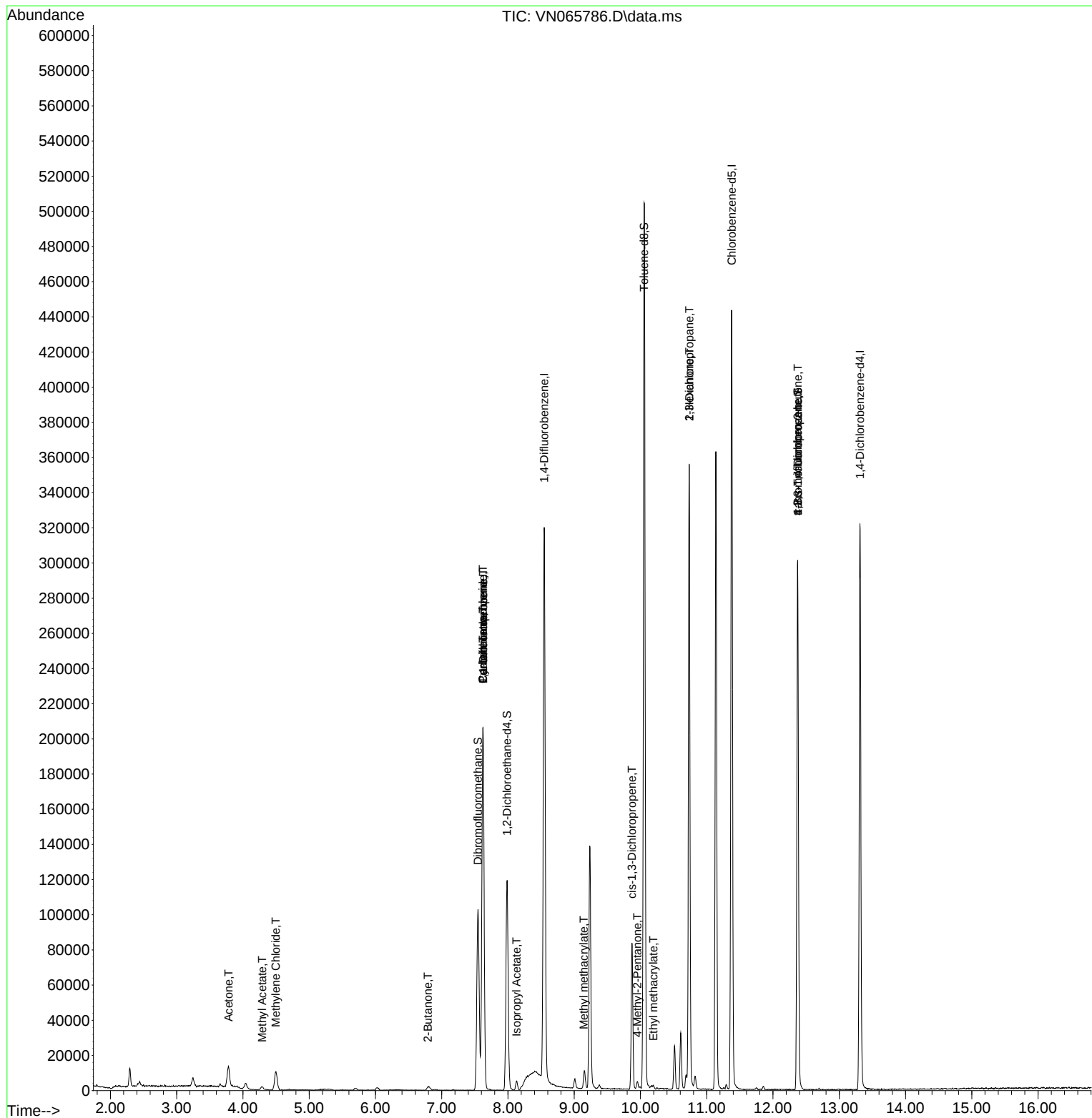
Target Compounds					Qvalue
16) Acetone	3.782	43	18262	19.91	ug/l 92
18) Methyl Acetate	4.290	43	4119	1.60	ug/l # 67
20) Methylene Chloride	4.496	84	8405	3.31	ug/l 93
25) 2-Butanone	6.791	43	563	0.39	ug/l # 46
31) Cyclohexane	7.621	56	2918	0.66	ug/l # 1
36) 1,1-Dichloropropene	7.624	75	12532	4.20	ug/l # 47
38) Carbon Tetrachloride	7.621	117	16268	6.62	ug/l # 17
43) Isopropyl Acetate	8.129	43	6289	1.24	ug/l # 89
48) Methyl methacrylate	9.145	41	1889	0.78	ug/l # 17
51) 4-Methyl-2-Pentanone	9.952	43	2485	0.89	ug/l # 80
54) cis-1,3-Dichloropropene	9.872	75	16995	4.40	ug/l # 57
56) Ethyl methacrylate	10.196	69	1216	0.36	ug/l # 80
57) 1,3-Dichloropropane	10.737	76	3886	1.07	ug/l # 43
59) 2-Hexanone	10.737	43	48794	25.09	ug/l # 52
76) 1,2,3-Trichloropropane	12.373	75	53527	21.12	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.373	75	53527	54.09	ug/l # 12

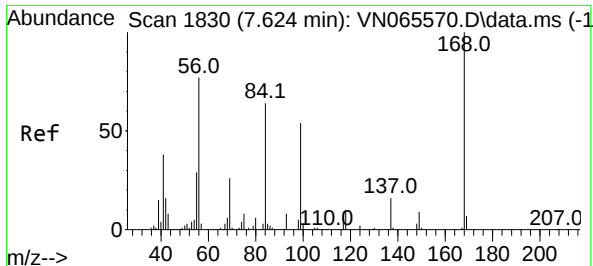
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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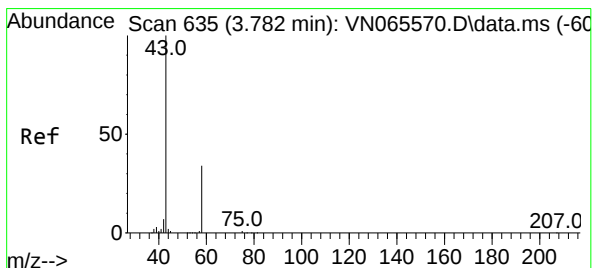
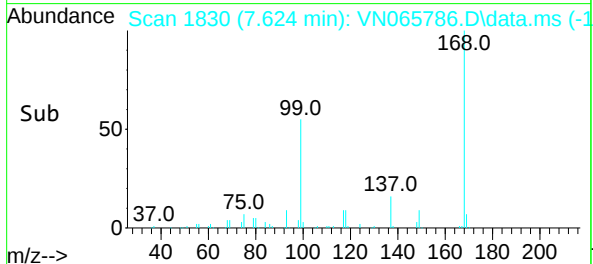
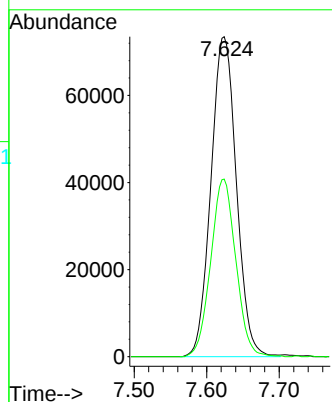
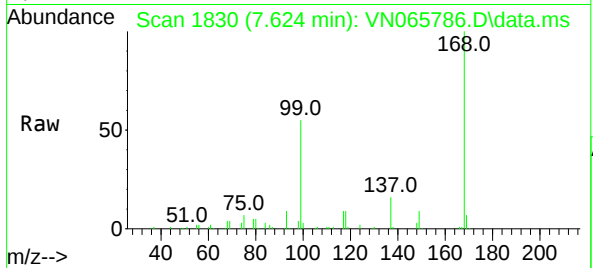




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

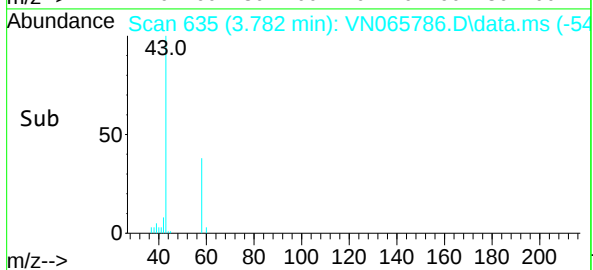
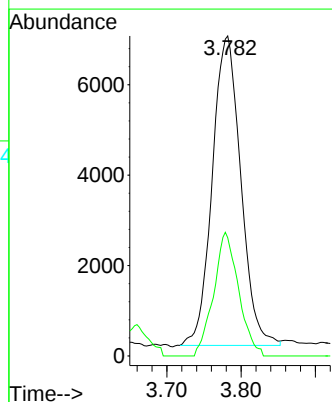
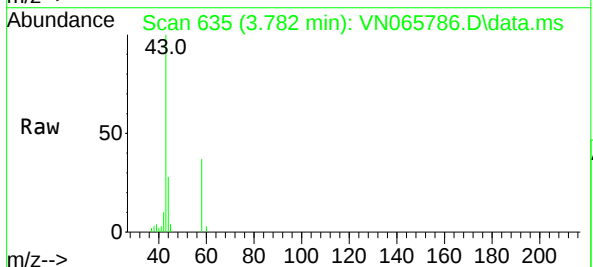
Instrument :
MSVOA_N
ClientSampled :

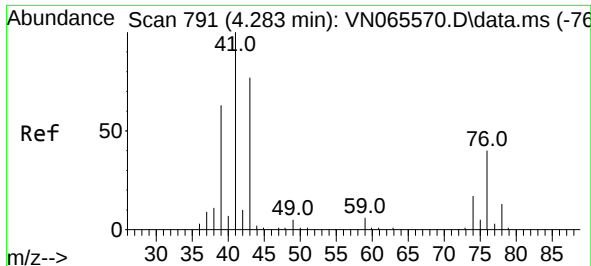
Tgt Ion:168 Resp: 179124
Ion Ratio Lower Upper
168 100
99 55.5 42.6 63.8



#16
Acetone
Concen: 19.91 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

Tgt Ion: 43 Resp: 18262
Ion Ratio Lower Upper
43 100
58 38.2 27.0 40.6





#18

Methyl Acetate

Concen: 1.60 ug/l

RT: 4.290 min Scan# 793

Delta R.T. 0.007 min

Lab File: VN065786.D

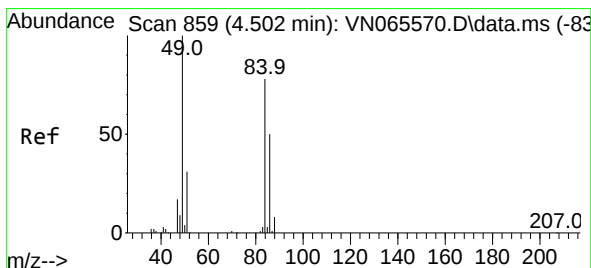
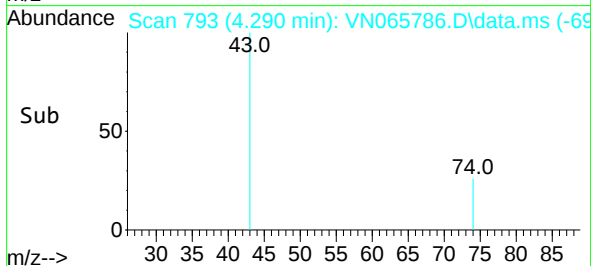
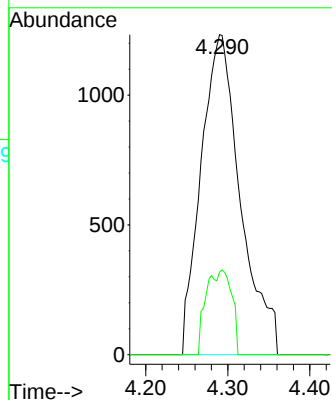
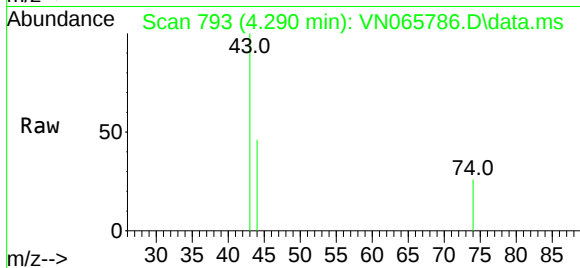
Acq: 9 Feb 2021 17:38

Tgt Ion: 43 Resp: 4119

Ion Ratio Lower Upper

43 100

74 8.2 19.5 29.3#



#20

Methylene Chloride

Concen: 3.31 ug/l

RT: 4.496 min Scan# 857

Delta R.T. -0.006 min

Lab File: VN065786.D

Acq: 9 Feb 2021 17:38

Tgt Ion: 84 Resp: 8405

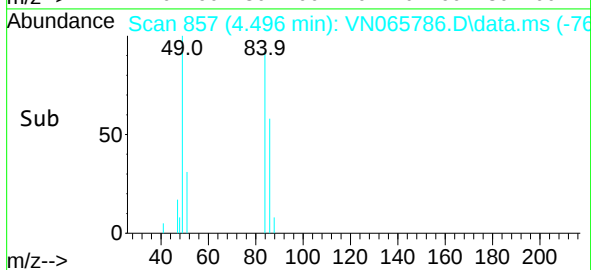
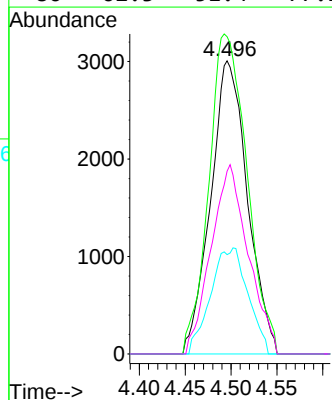
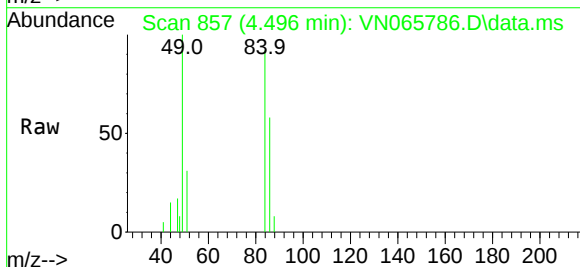
Ion Ratio Lower Upper

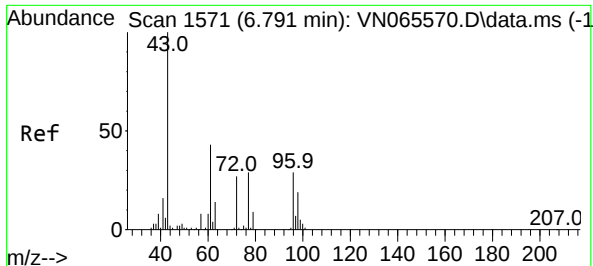
84 100

49 108.2 94.6 141.8

51 33.9 29.9 44.9

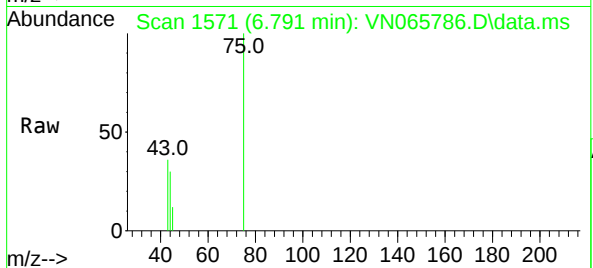
86 62.3 51.4 77.2



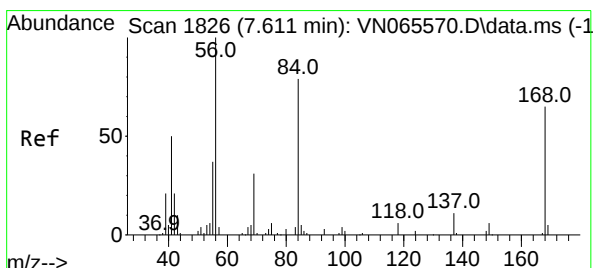
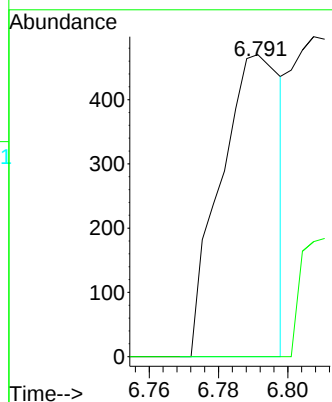
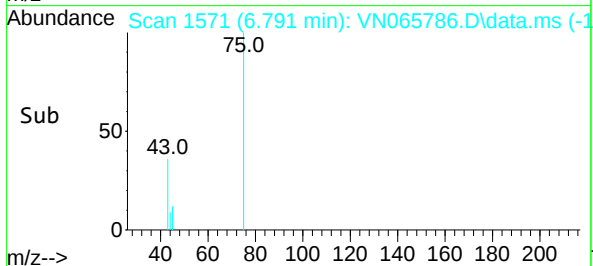


#25
2-Butanone
Concen: 0.39 ug/l
RT: 6.791 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

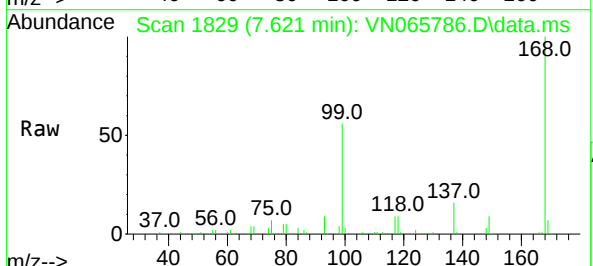
Instrument :
MSVOA_N
ClientSampled :



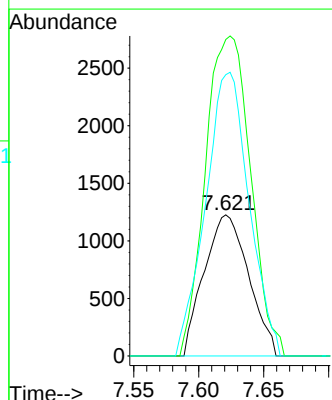
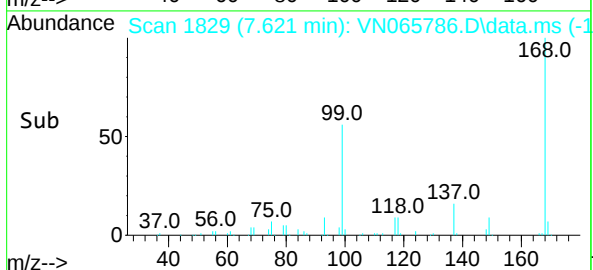
Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#

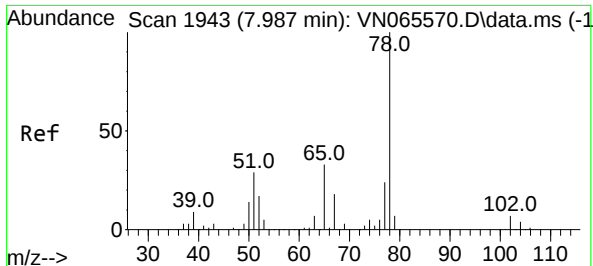


#31
Cyclohexane
Concen: 0.66 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38



Tgt Ion: 56 Resp: 2918
Ion Ratio Lower Upper
56 100
69 224.3 26.6 39.8#
84 199.3 70.4 105.6#

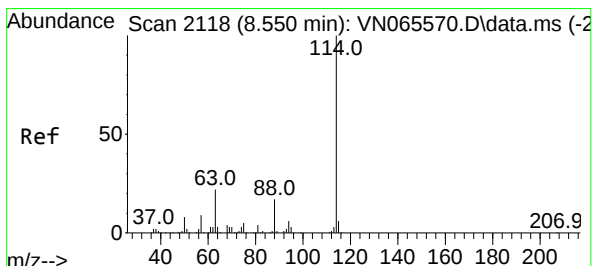
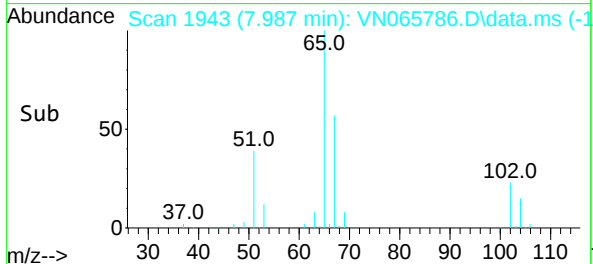
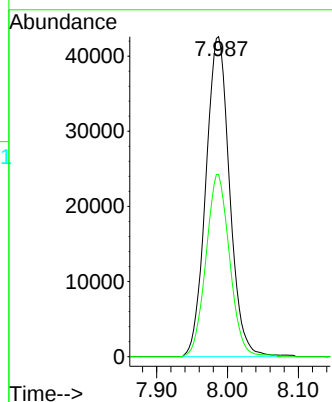
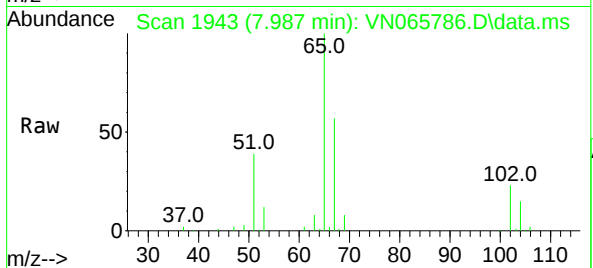




#33
1,2-Dichloroethane-d4
Concen: 42.13 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

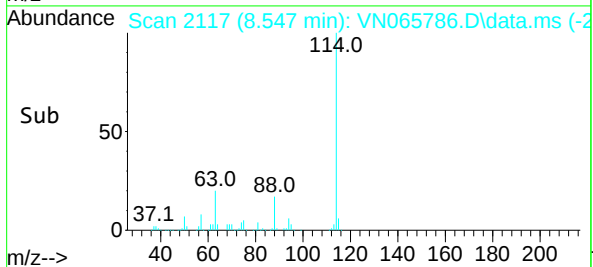
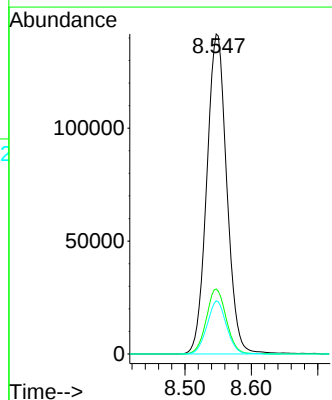
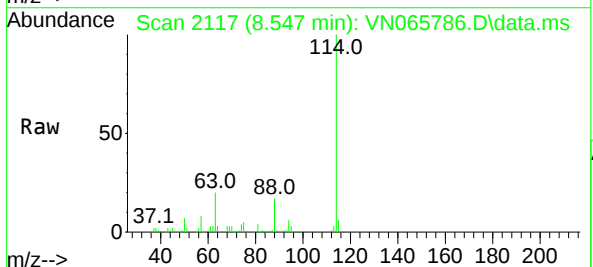
Instrument :
MSVOA_N
ClientSampled :

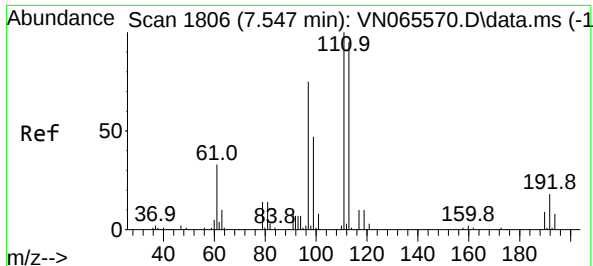
Tgt Ion: 65 Resp: 99270
Ion Ratio Lower Upper
65 100
67 56.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

Tgt Ion: 114 Resp: 296836
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.6
88 16.6 0.0 30.6

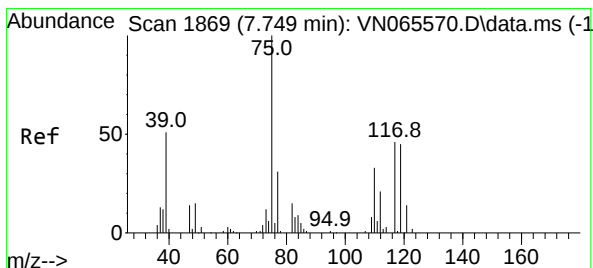
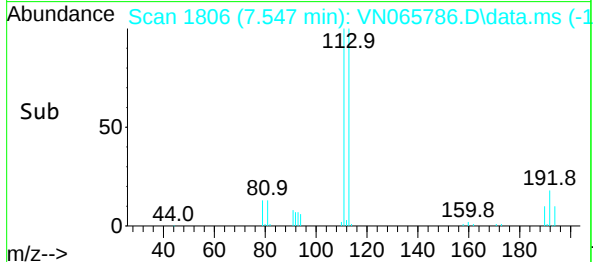
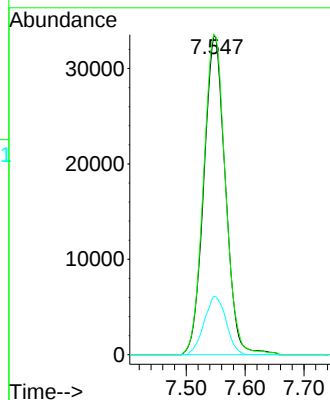
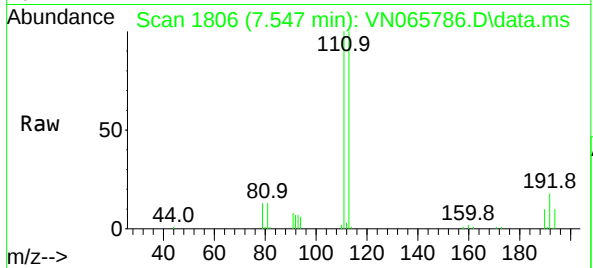




#35
Dibromofluoromethane
Concen: 48.28 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

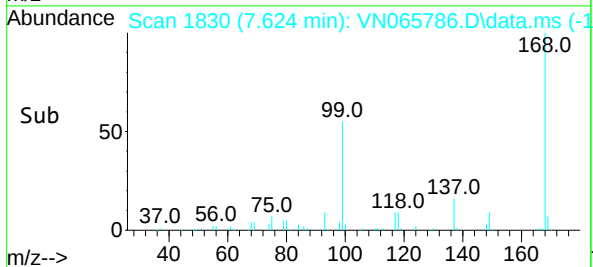
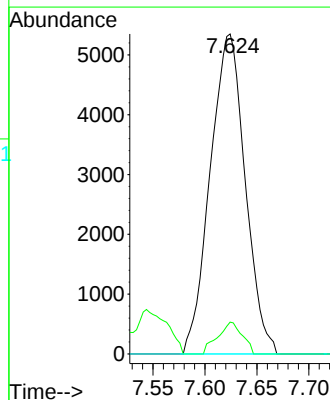
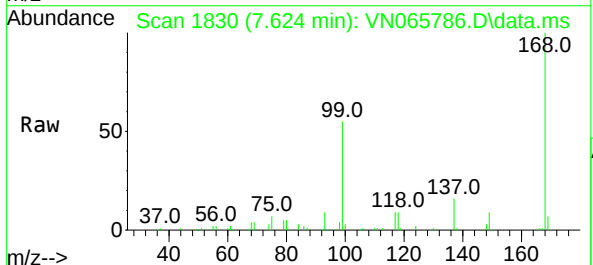
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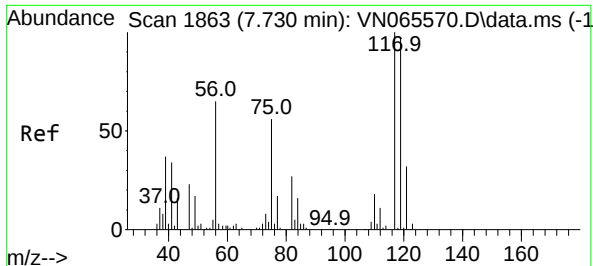
Tgt Ion:113 Resp: 84924
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 18.6 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.20 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

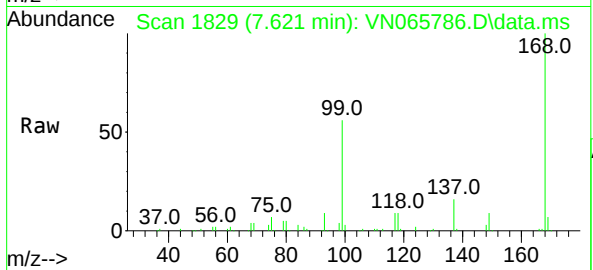
Tgt Ion: 75 Resp: 12532
Ion Ratio Lower Upper
75 100
110 7.0 18.2 54.6#
77 0.0 24.9 37.3#



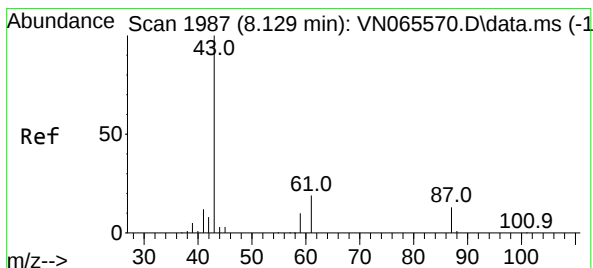
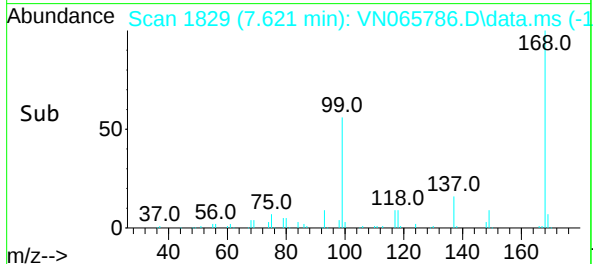
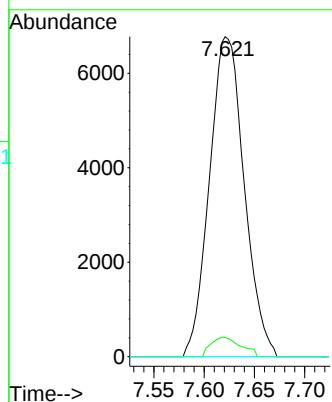


#38
Carbon Tetrachloride
Concen: 6.62 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.109 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

Instrument :
MSVOA_N
ClientSampled :

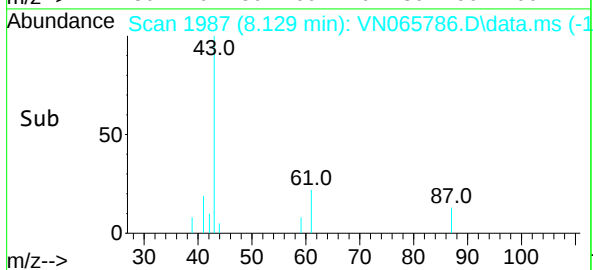
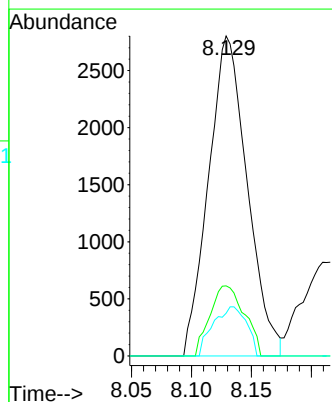
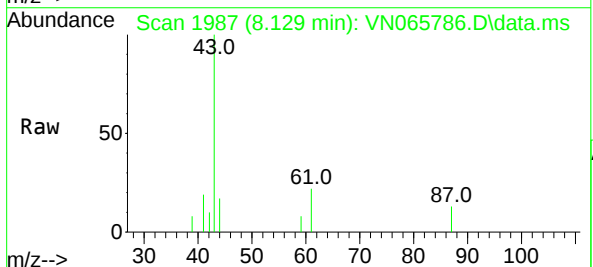


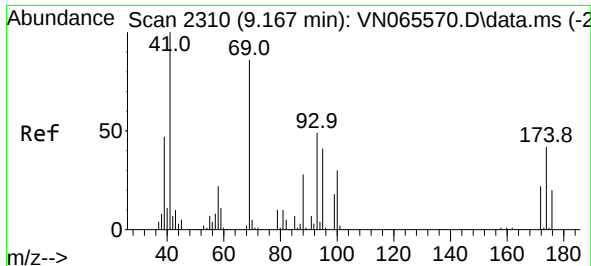
Tgt Ion:117 Resp: 16268
Ion Ratio Lower Upper
117 100
119 6.0 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 1.24 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

Tgt Ion: 43 Resp: 6289
Ion Ratio Lower Upper
43 100
61 19.6 22.5 33.7#
87 13.3 11.1 16.7

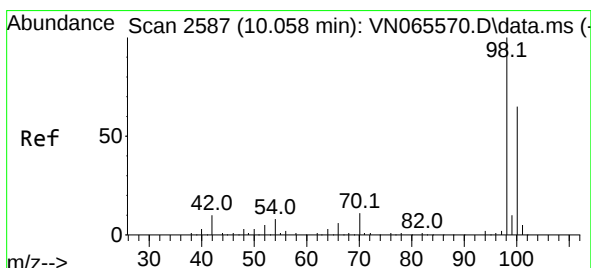
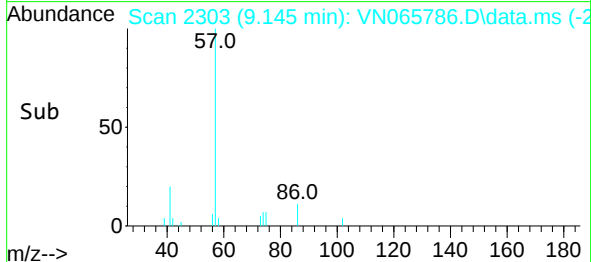
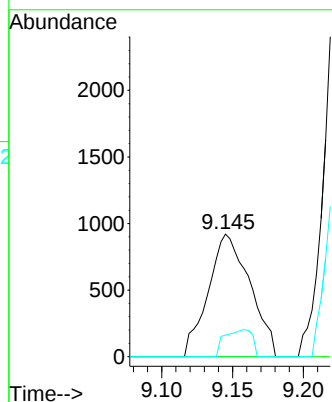
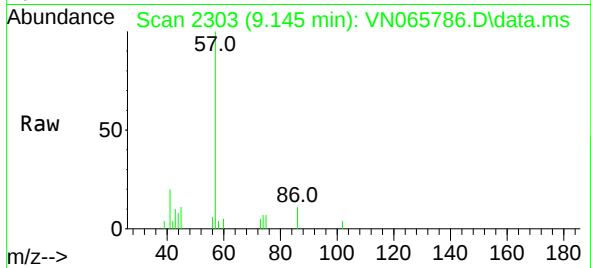




#48
Methyl methacrylate
Concen: 0.78 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.022 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

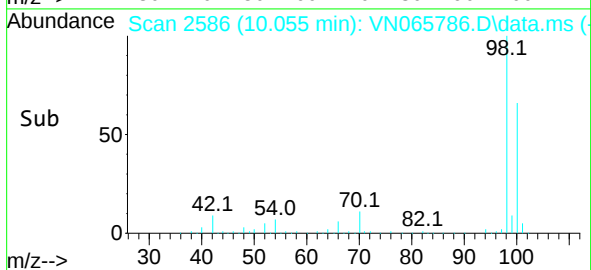
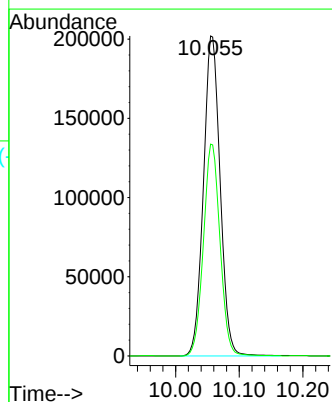
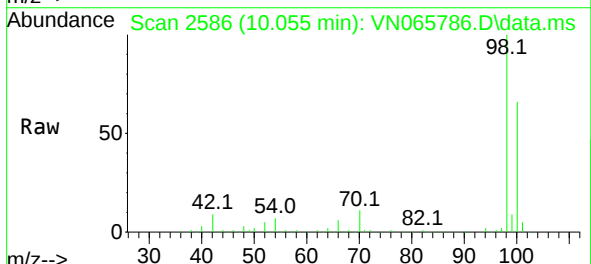
Instrument :
MSVOA_N
ClientSampled :

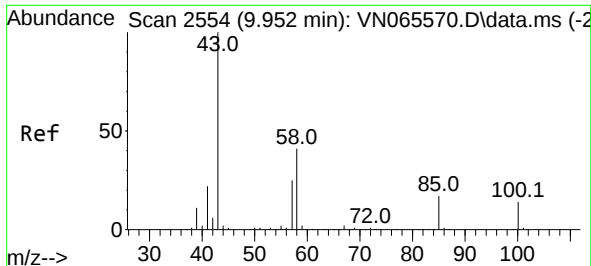
Tgt Ion: 41 Resp: 1889
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 14.6 46.6 69.8#



#50
Toluene-d8
Concen: 53.36 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.003 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

Tgt Ion: 98 Resp: 368924
Ion Ratio Lower Upper
98 100
100 65.6 50.5 75.7

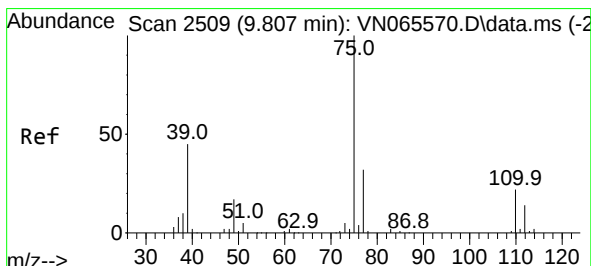
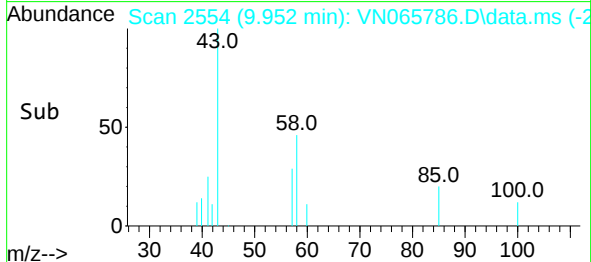
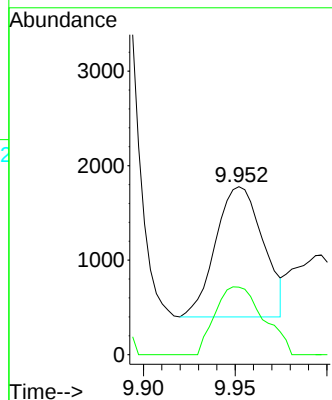
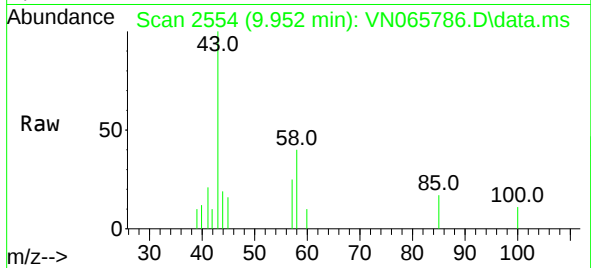




#51
4-Methyl-2-Pentanone
Concen: 0.89 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

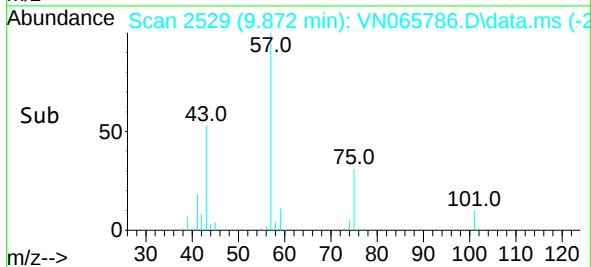
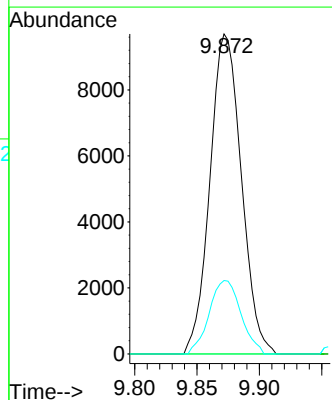
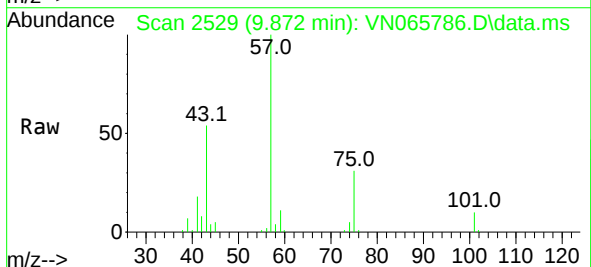
Instrument :
MSVOA_N
ClientSampled :

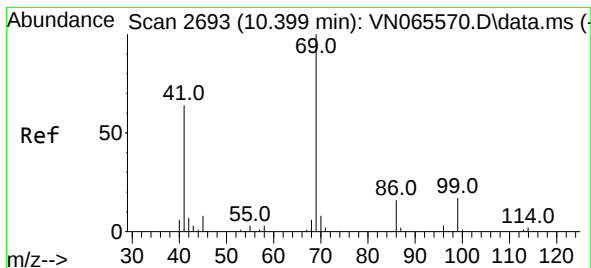
Tgt Ion: 43 Resp: 2485
Ion Ratio Lower Upper
43 100
58 53.0 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 4.40 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

Tgt Ion: 75 Resp: 16995
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 23.0 36.2 54.4#

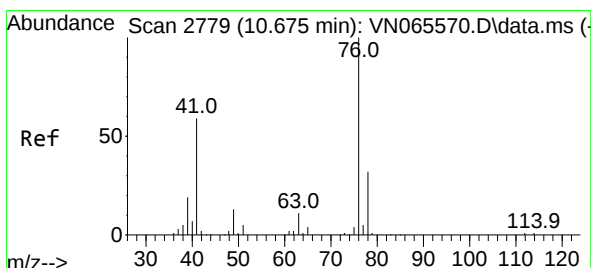
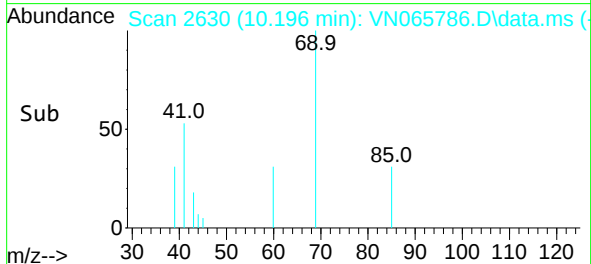
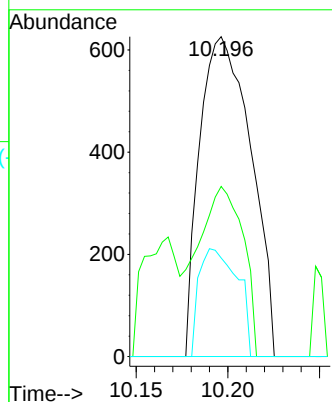
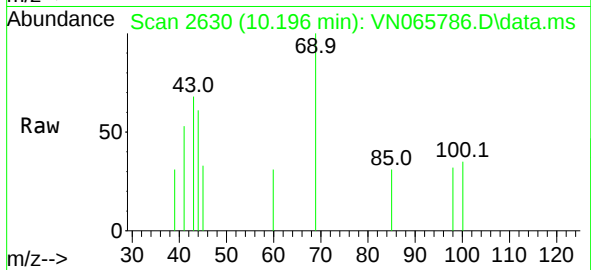




#56
Ethyl methacrylate
Concen: 0.36 ug/l
RT: 10.196 min Scan# 2630
Delta R.T. -0.203 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

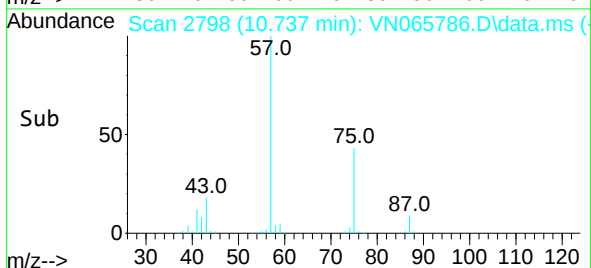
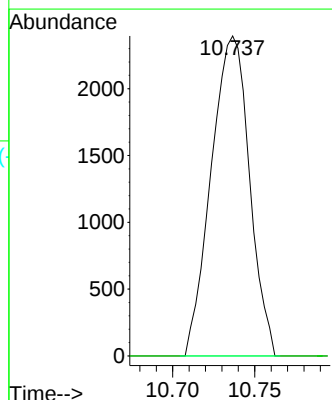
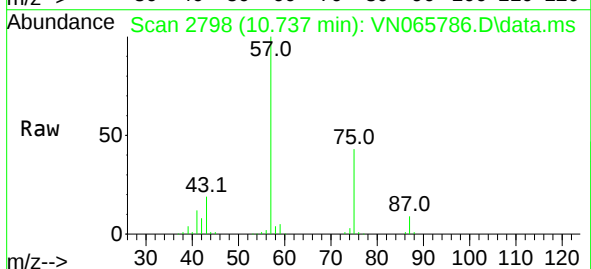
Instrument :
MSVOA_N
ClientSampled :

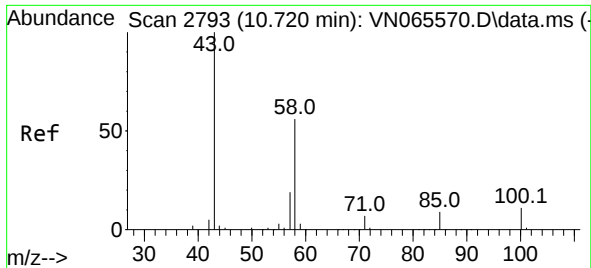
Tgt Ion: 69 Resp: 1216
Ion Ratio Lower Upper
69 100
41 45.1 49.6 74.4#
39 25.3 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 1.07 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.062 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

Tgt Ion: 76 Resp: 3886
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

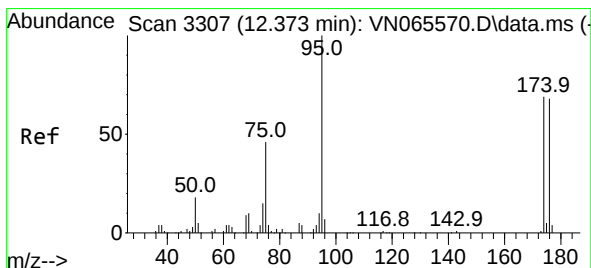
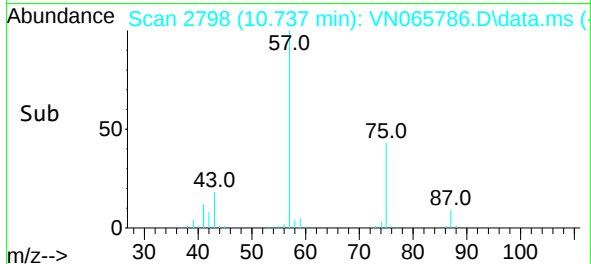
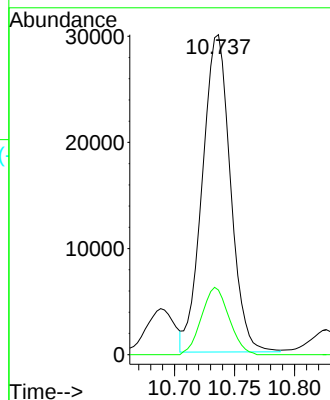
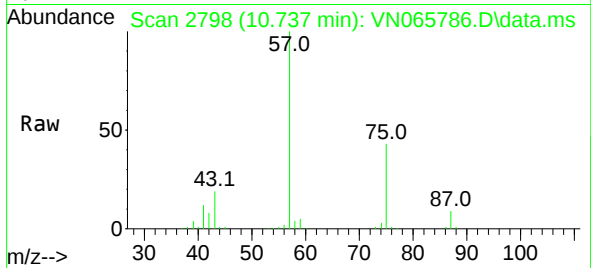




#59
2-Hexanone
Concen: 25.09 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.017 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

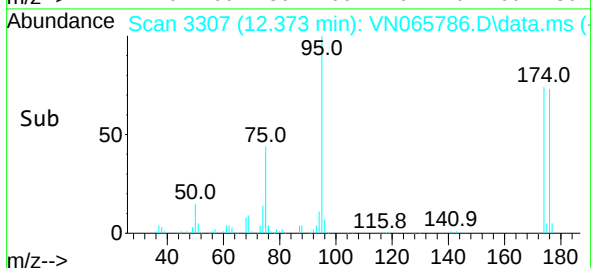
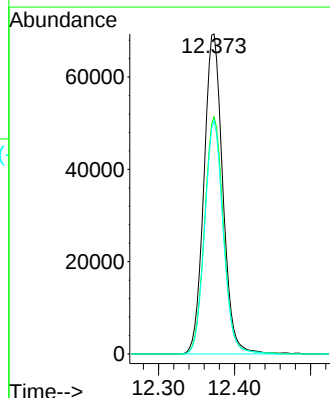
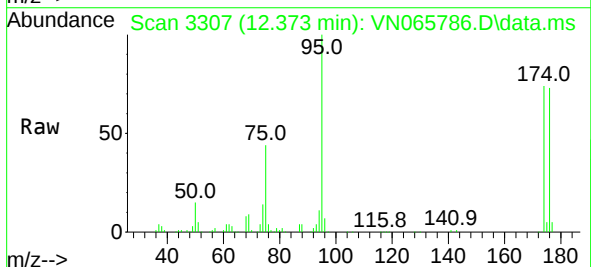
Instrument :
MSVOA_N
ClientSampled :

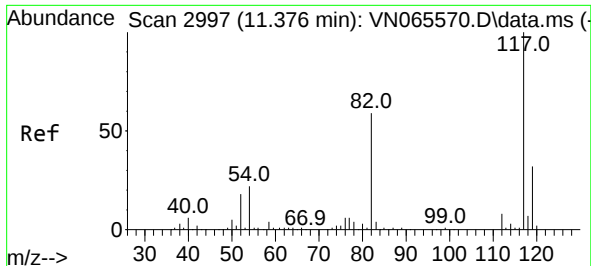
Tgt Ion: 43 Resp: 48794
Ion Ratio Lower Upper
43 100
58 20.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.94 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

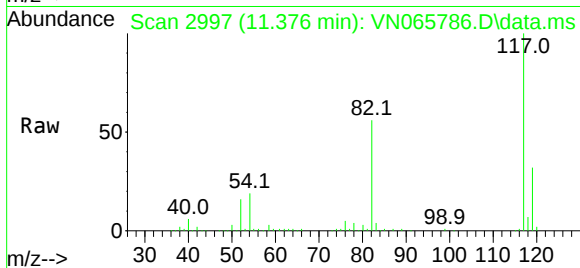
Tgt Ion: 95 Resp: 119370
Ion Ratio Lower Upper
95 100
174 74.6 0.0 169.0
176 71.7 0.0 162.4



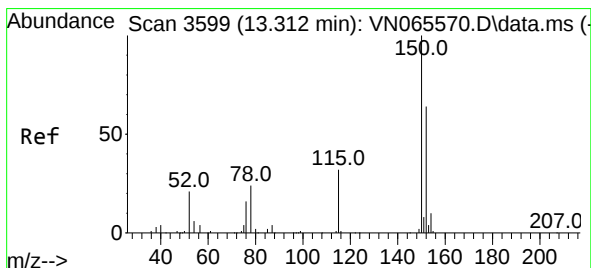
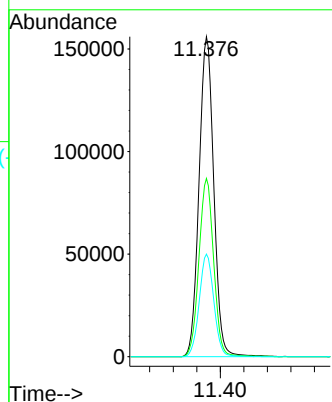
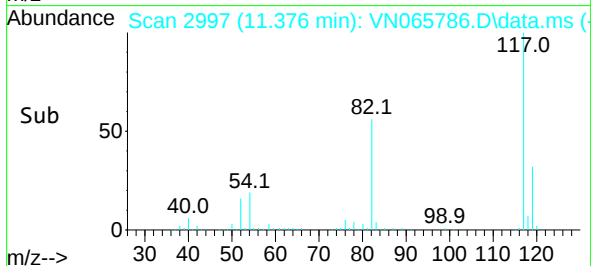


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

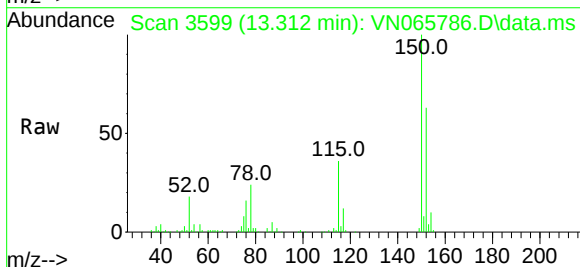
Instrument :
MSVOA_N
ClientSampled :



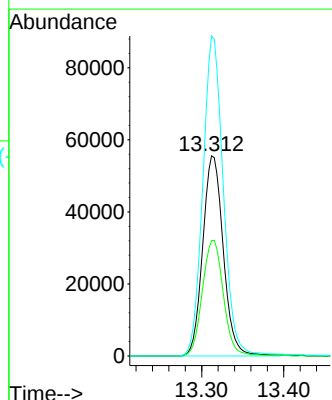
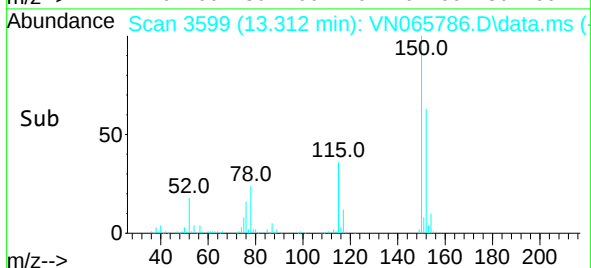
Tgt Ion:117 Resp: 270792
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 32.1 26.1 39.1

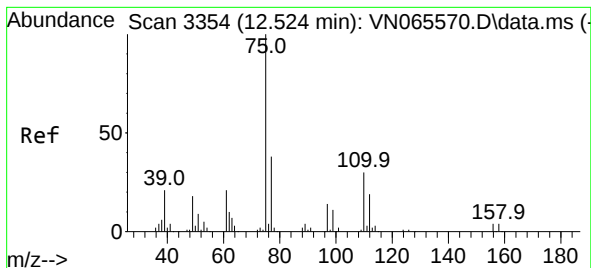


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. 0.000 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38



Tgt Ion:152 Resp: 96936
Ion Ratio Lower Upper
152 100
115 58.9 28.5 85.6
150 159.1 0.0 347.6

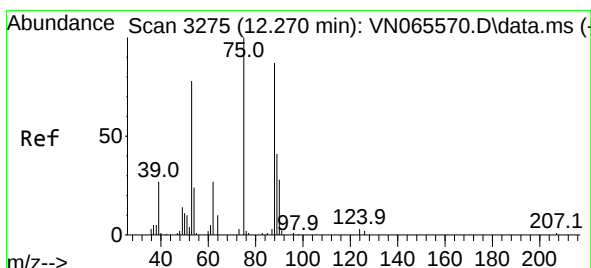
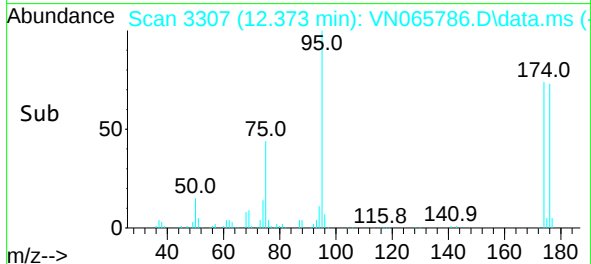
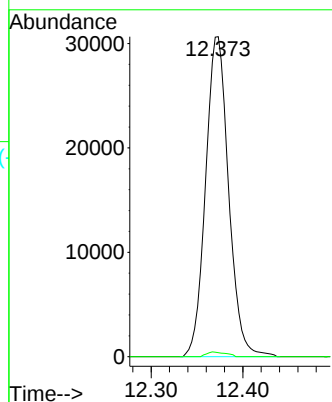
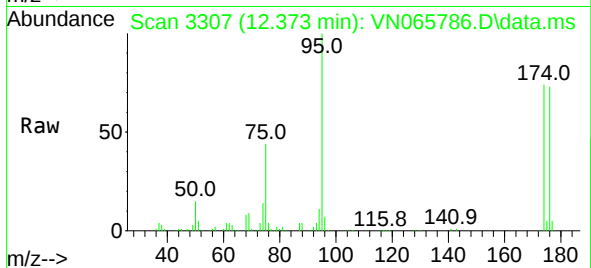




#76
1,2,3-Trichloropropane
Concen: 21.12 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 53527
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.09 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065786.D
Acq: 9 Feb 2021 17:38

Tgt Ion: 75 Resp: 53527
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

