

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021821\
 Data File : VN065939.D
 Acq On : 18 Feb 2021 14:35
 Operator : JC/MD
 Sample : M1434-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 19 00:16:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.627	168	180986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	307573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	285424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	103971	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	120514	47.62	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.24%
35) Dibromofluoromethane	7.553	113	91725	48.19	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.38%
50) Toluene-d8	10.058	98	385556	49.34	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.68%
62) 4-Bromofluorobenzene	12.373	95	128963	43.96	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.92%

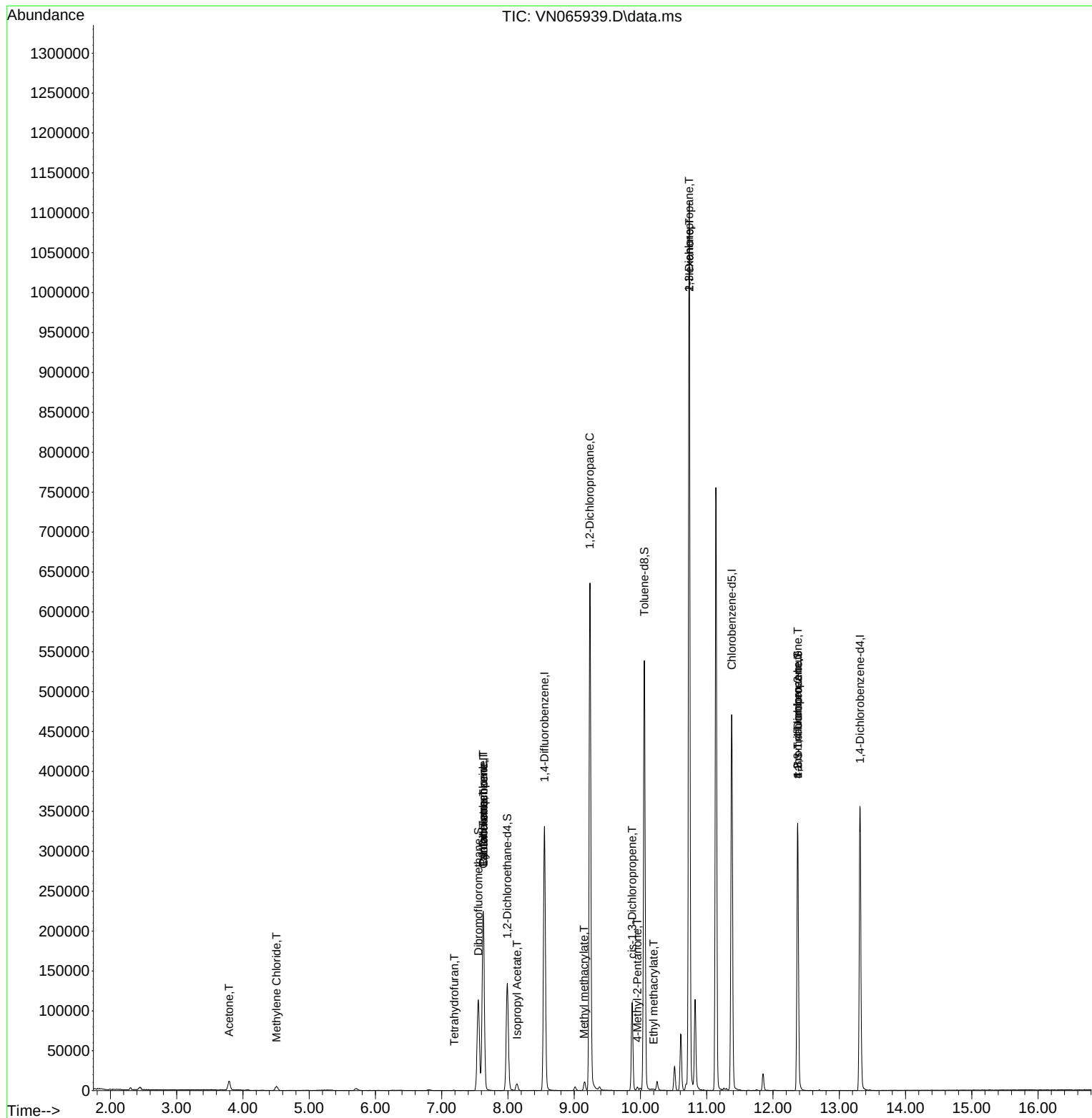
Target Compounds					Qvalue
16) Acetone	3.788	43	18931	22.35	ug/l 95
20) Methylene Chloride	4.505	84	4234	1.80	ug/l 93
29) Tetrahydrofuran	7.190	42	395	0.46	ug/l # 32
31) Cyclohexane	7.627	56	3706	0.98	ug/l # 1
36) 1,1-Dichloropropene	7.627	75	14164	4.67	ug/l # 48
38) Carbon Tetrachloride	7.624	117	18070	6.41	ug/l # 17
43) Isopropyl Acetate	8.135	43	10694	2.45	ug/l # 92
45) 1,2-Dichloropropane	9.235	63	726	0.30	ug/l # 44
48) Methyl methacrylate	9.148	41	2779	1.26	ug/l # 10
51) 4-Methyl-2-Pentanone	9.952	43	3178	1.20	ug/l 95
54) cis-1,3-Dichloropropene	9.875	75	21064	5.75	ug/l # 60
56) Ethyl methacrylate	10.200	69	968	0.30	ug/l # 80
57) 1,3-Dichloropropane	10.733	76	11644	3.09	ug/l # 43
59) 2-Hexanone	10.737	43	154763	81.81	ug/l # 51
76) 1,2,3-Trichloropropane	12.373	75	63363	25.37	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.373	75	63363	80.85	ug/l # 12

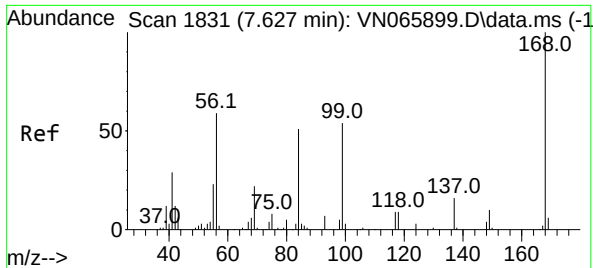
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

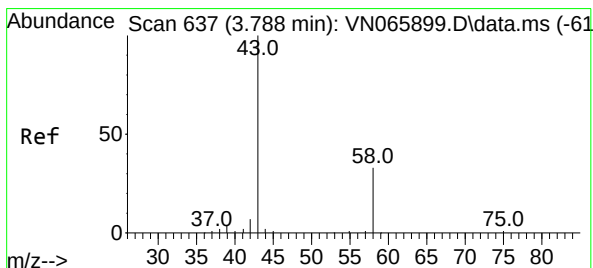
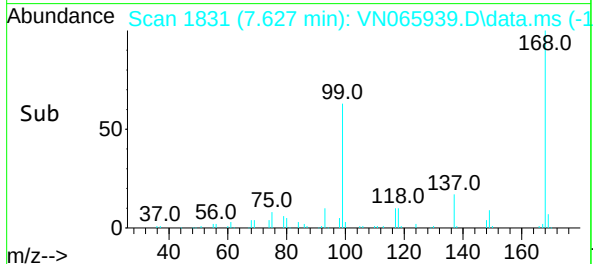
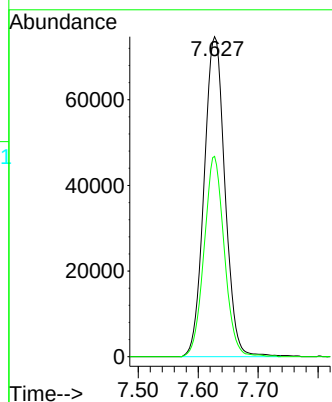
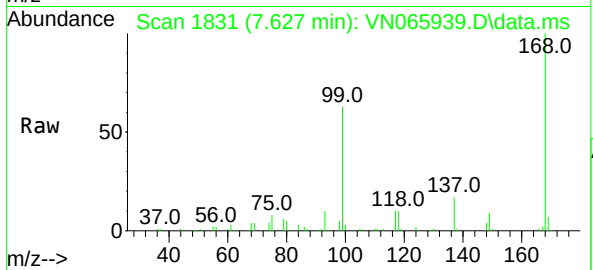




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

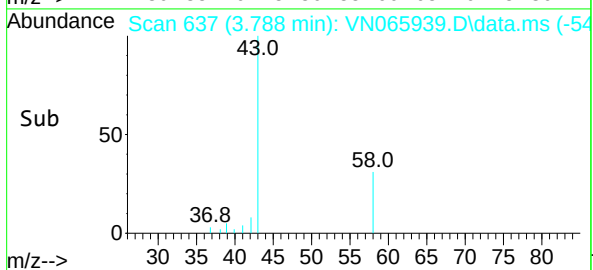
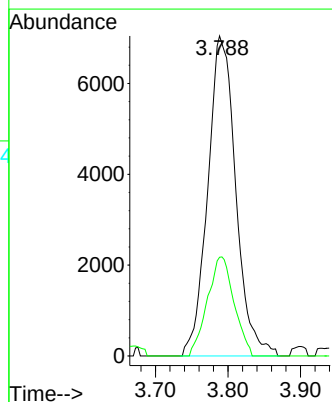
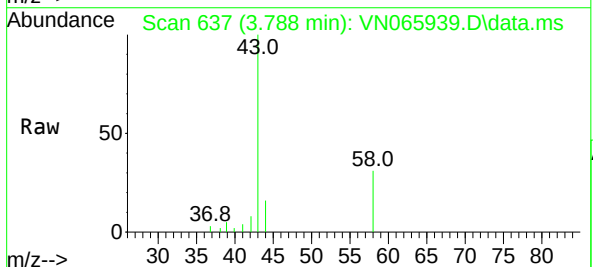
Instrument :
MSVOA_N
ClientSampled :

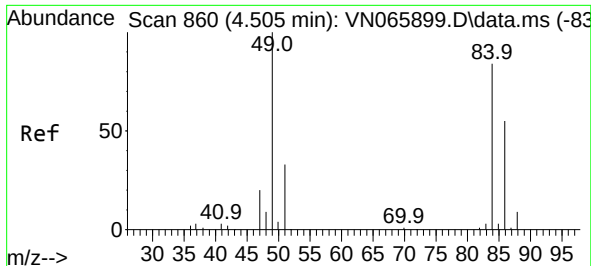
Tgt Ion:168 Resp: 180986
Ion Ratio Lower Upper
168 100
99 62.6 42.6 63.8



#16
Acetone
Concen: 22.35 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.000 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion: 43 Resp: 18931
Ion Ratio Lower Upper
43 100
58 30.9 27.0 40.6



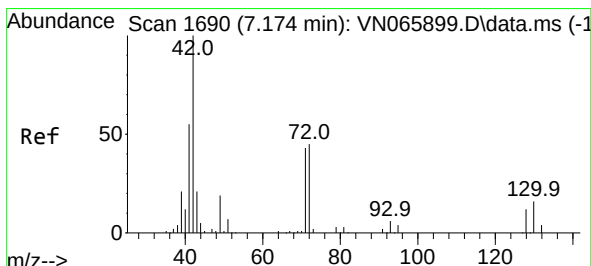
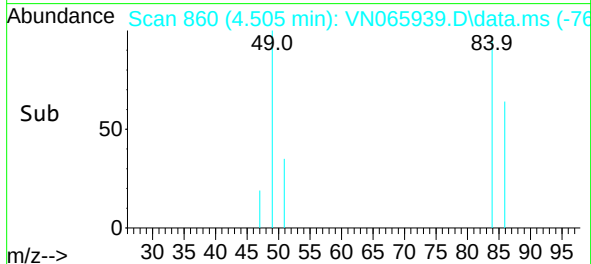
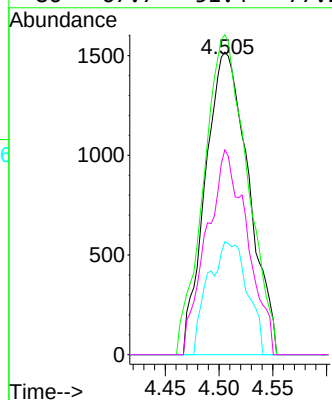
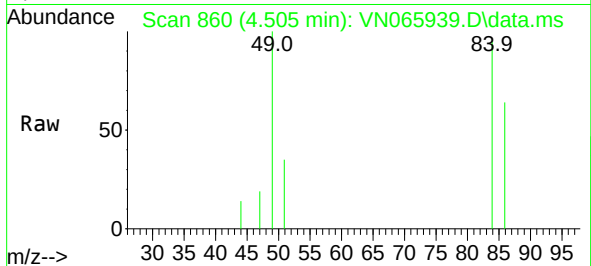


#20
Methylene Chloride
Concen: 1.80 ug/l
RT: 4.505 min Scan# 860
Delta R.T. 0.000 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 4234

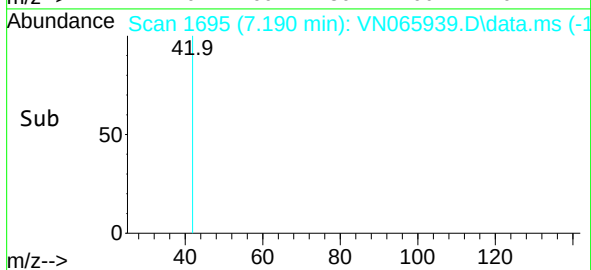
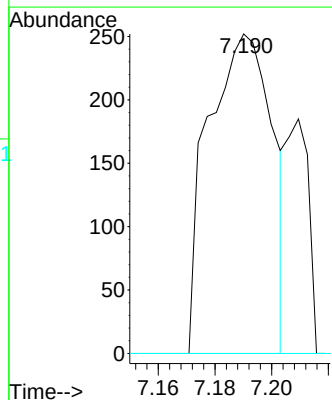
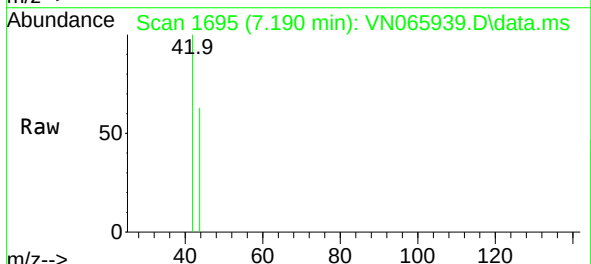
Ion	Ratio	Lower	Upper
84	100		
49	105.8	94.6	141.8
51	37.4	29.9	44.9
86	67.7	51.4	77.2

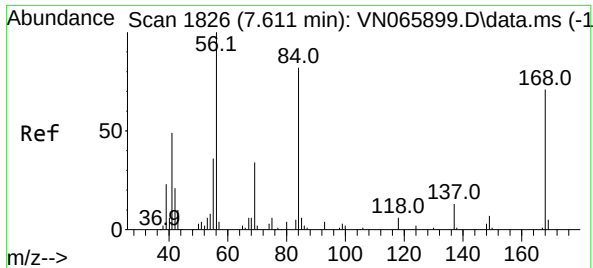


#29
Tetrahydrofuran
Concen: 0.46 ug/l
RT: 7.190 min Scan# 1695
Delta R.T. 0.016 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion: 42 Resp: 395

Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#

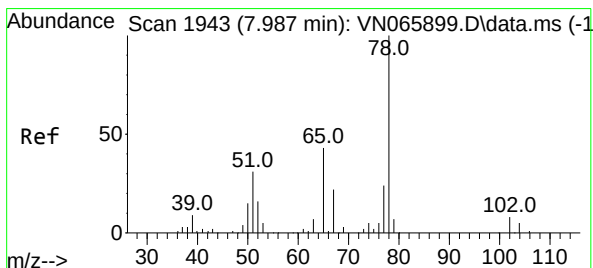
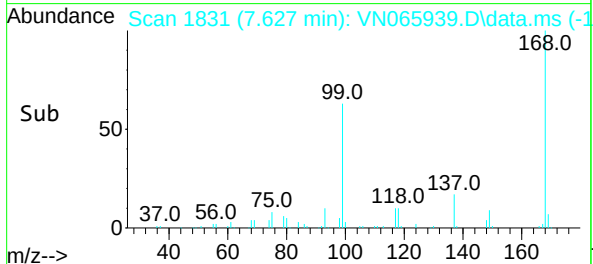
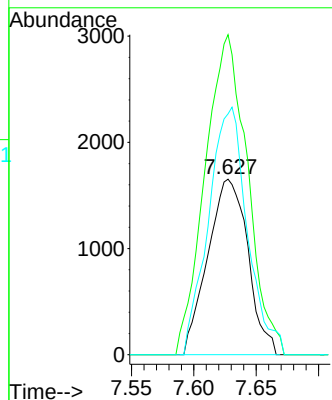
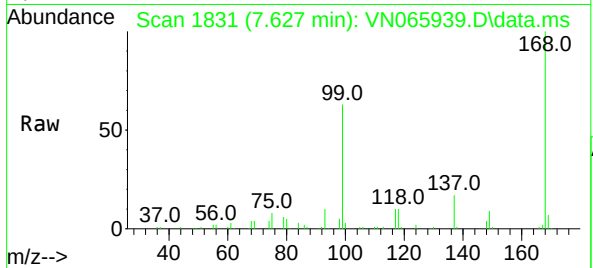




#31
Cyclohexane
Concen: 0.98 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

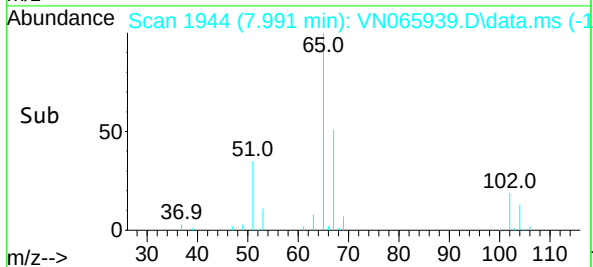
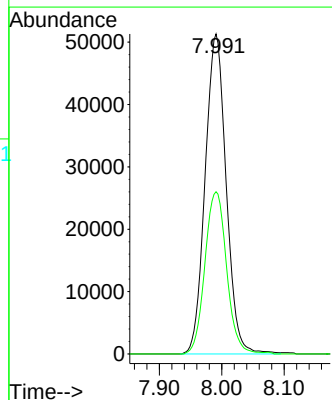
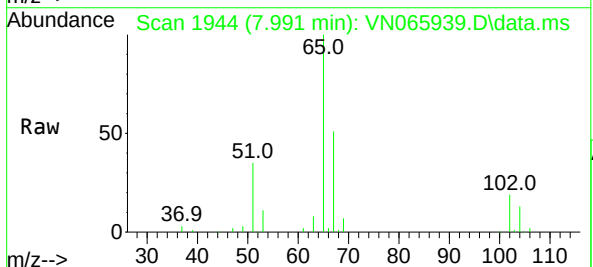
Instrument :
MSVOA_N
ClientSampled :

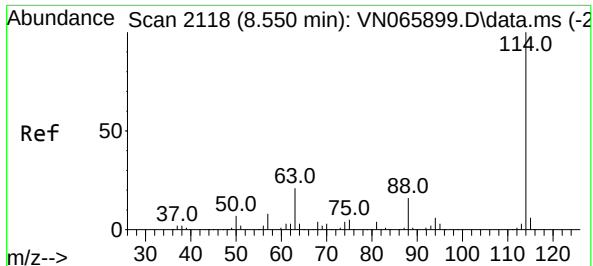
Tgt Ion: 56 Resp: 3706
Ion Ratio Lower Upper
56 100
69 172.0 26.6 39.8#
84 137.1 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 47.62 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion: 65 Resp: 120514
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.550 min Scan# 2118

Delta R.T. 0.000 min

Lab File: VN065939.D

Acq: 18 Feb 2021 14:35

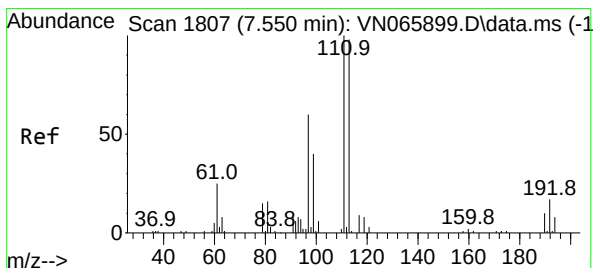
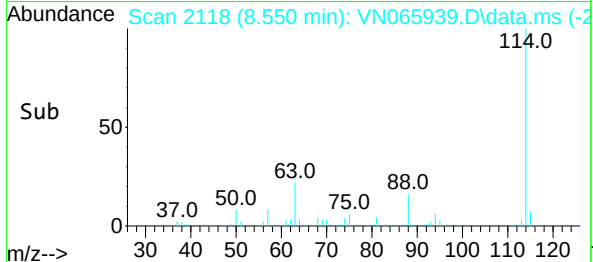
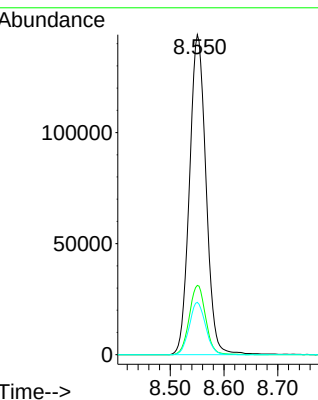
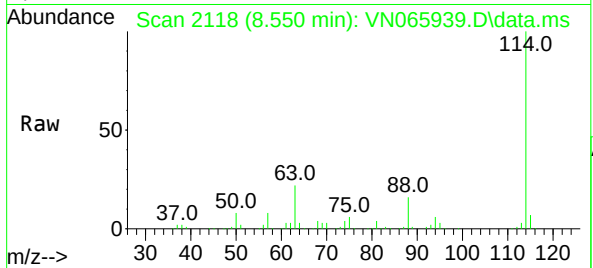
Tgt Ion:114 Resp: 307573

Ion Ratio Lower Upper

114 100

63 21.7 0.0 38.6

88 16.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.19 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065939.D

Acq: 18 Feb 2021 14:35

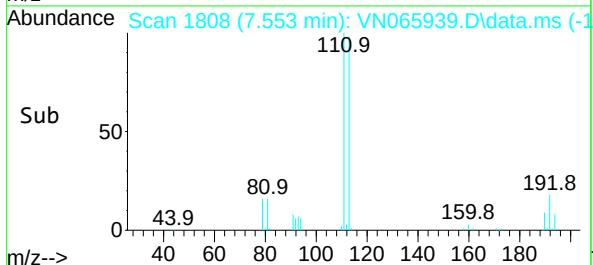
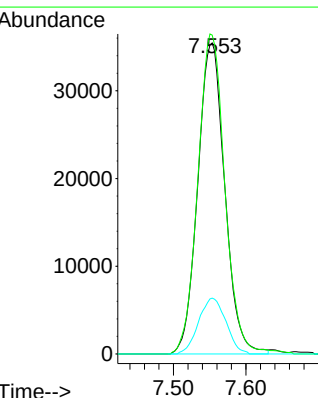
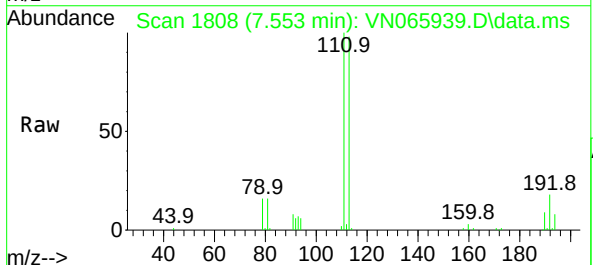
Tgt Ion:113 Resp: 91725

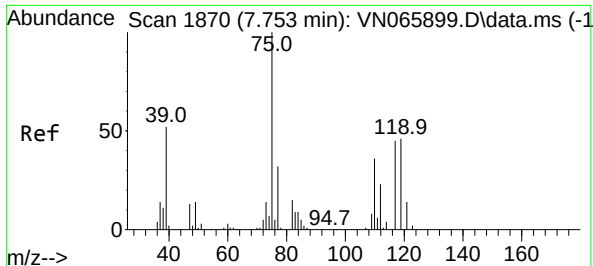
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 18.2 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.67 ug/l

RT: 7.627 min Scan# 1831

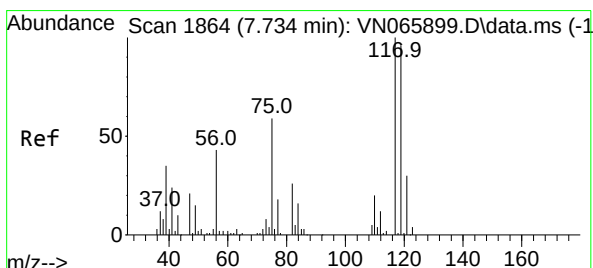
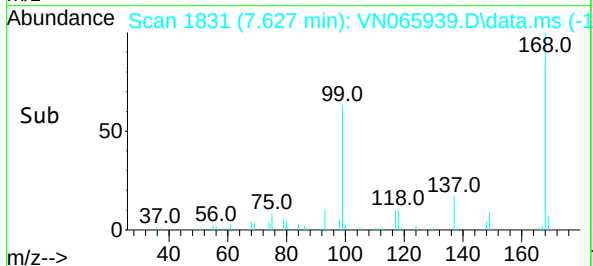
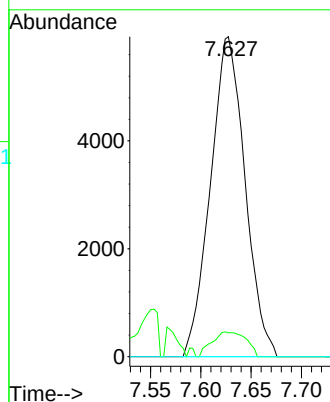
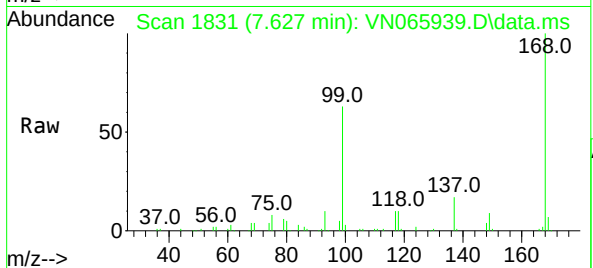
Delta R.T. -0.126 min

Lab File: VN065939.D

Acq: 18 Feb 2021 14:35

Tgt Ion:	75	Resp:	14164
Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.2	54.6#
77	0.0	24.9	37.3#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.41 ug/l

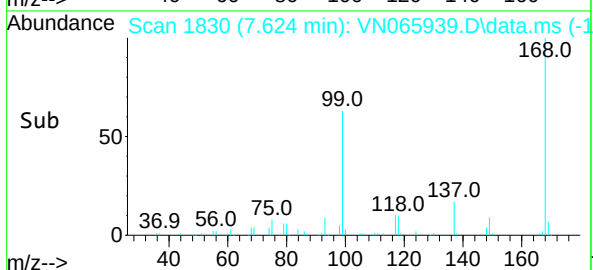
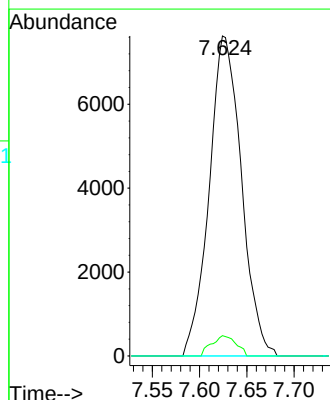
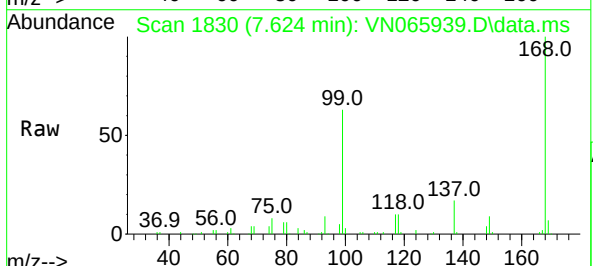
RT: 7.624 min Scan# 1830

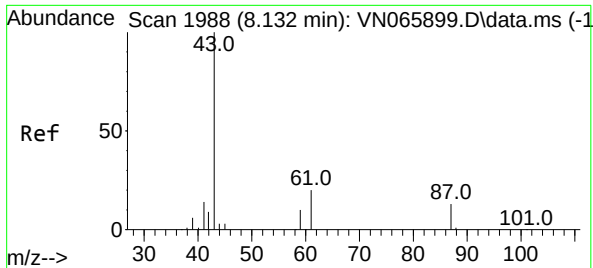
Delta R.T. -0.110 min

Lab File: VN065939.D

Acq: 18 Feb 2021 14:35

Tgt Ion:	117	Resp:	18070
Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.0	114.0#
121	0.0	24.5	36.7#

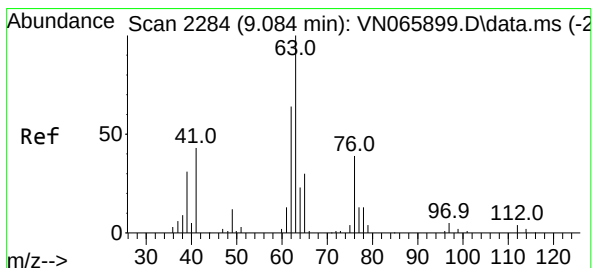
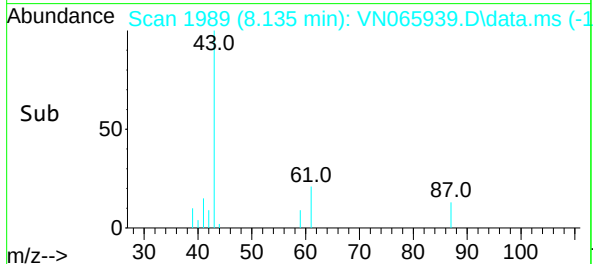
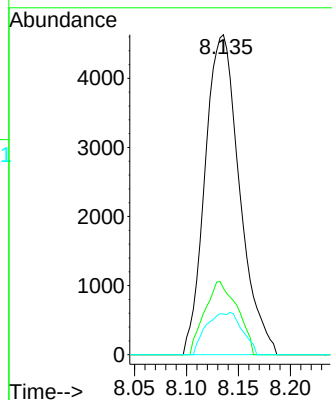
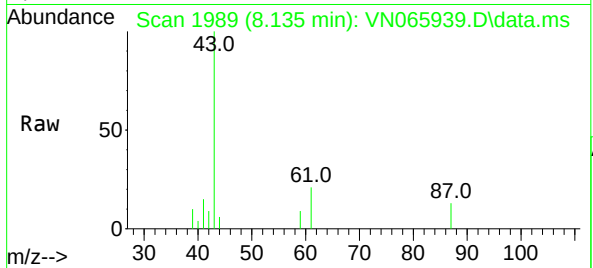




#43
Isopropyl Acetate
Concen: 2.45 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

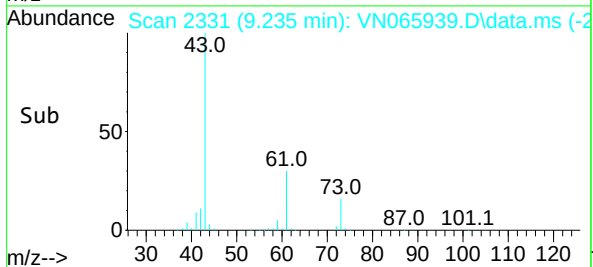
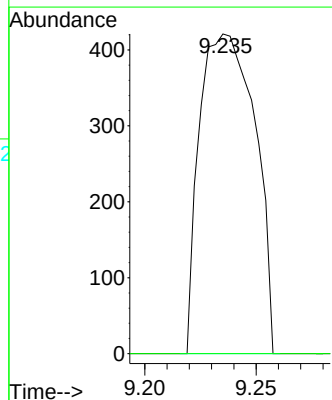
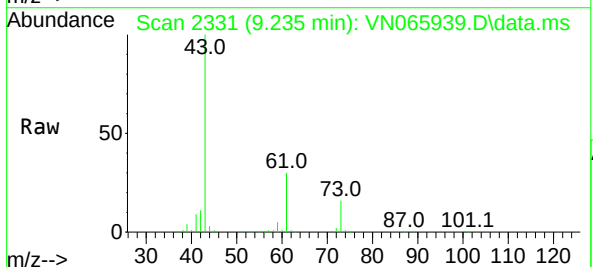
Instrument :
MSVOA_N
ClientSampled :

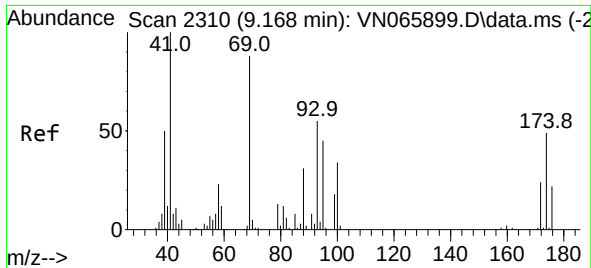
Tgt Ion: 43 Resp: 10694
Ion Ratio Lower Upper
43 100
61 21.6 22.5 33.7#
87 13.7 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.30 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.151 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion: 63 Resp: 726
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

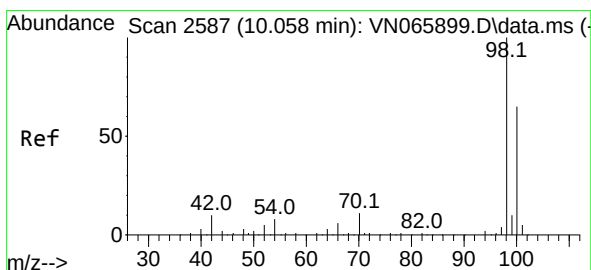
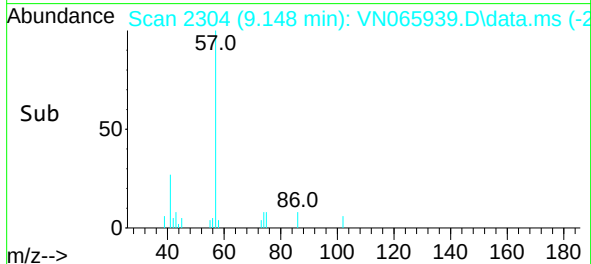
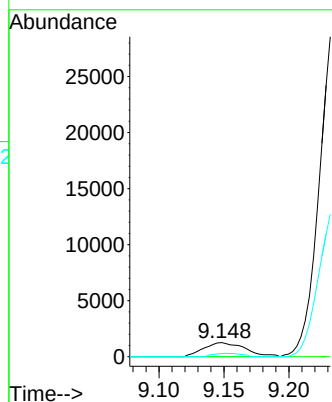
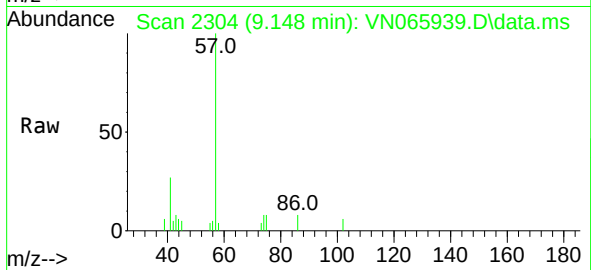




#48
Methyl methacrylate
Concen: 1.26 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.020 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

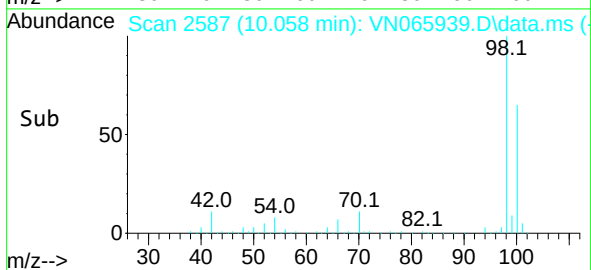
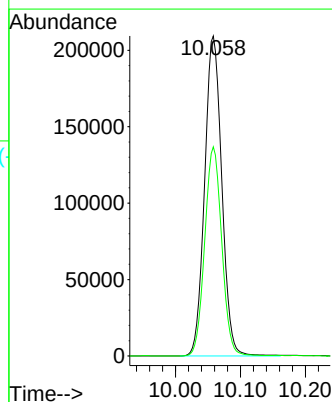
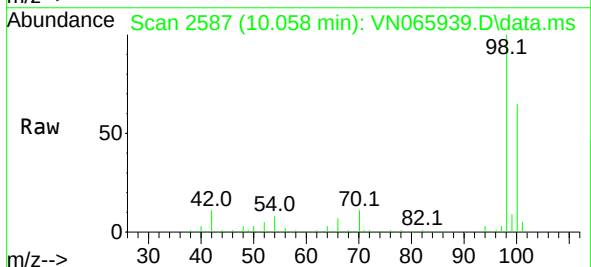
Instrument :
MSVOA_N
ClientSampled :

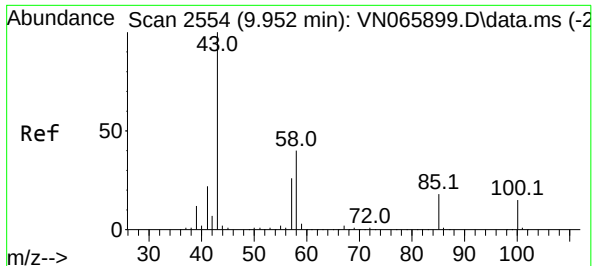
Tgt Ion: 41 Resp: 2779
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 49.34 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion: 98 Resp: 385556
Ion Ratio Lower Upper
98 100
100 64.8 50.5 75.7

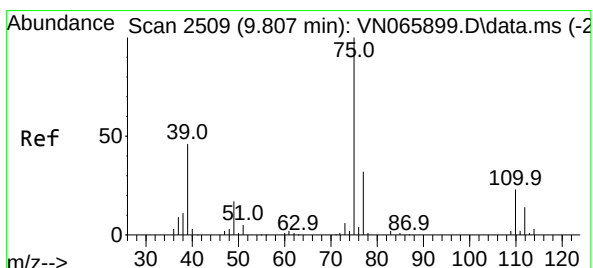
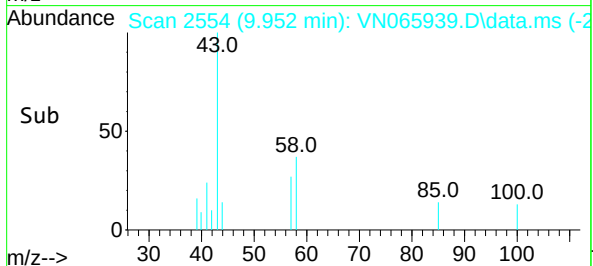
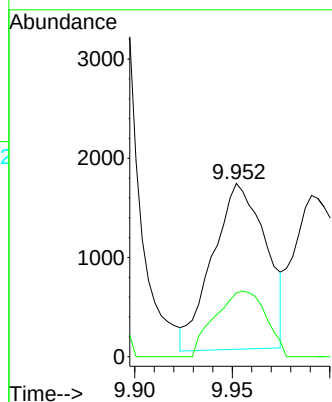
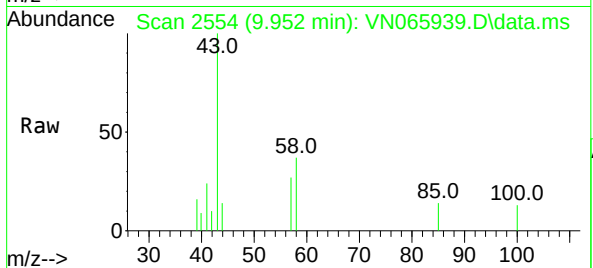




#51
4-Methyl-2-Pentanone
Concen: 1.20 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

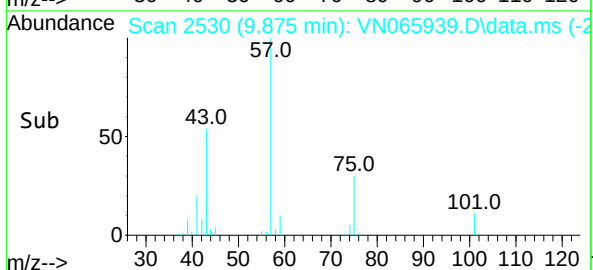
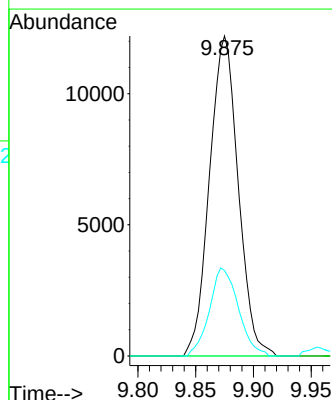
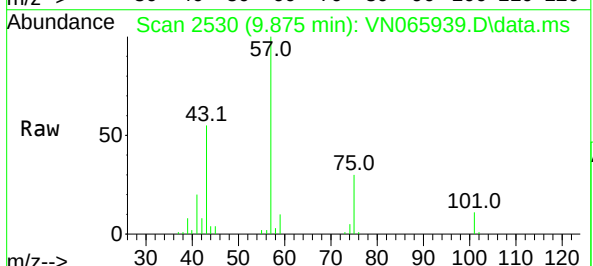
Instrument :
MSVOA_N
ClientSampled :

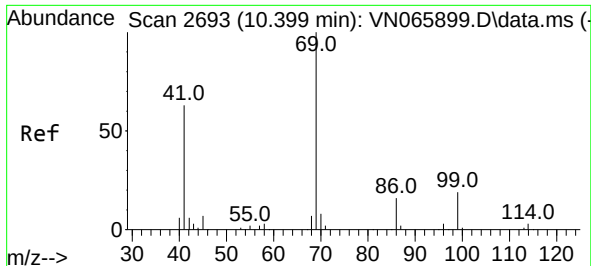
Tgt Ion: 43 Resp: 3178
Ion Ratio Lower Upper
43 100
58 37.8 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 5.75 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion: 75 Resp: 21064
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 26.7 36.2 54.4#

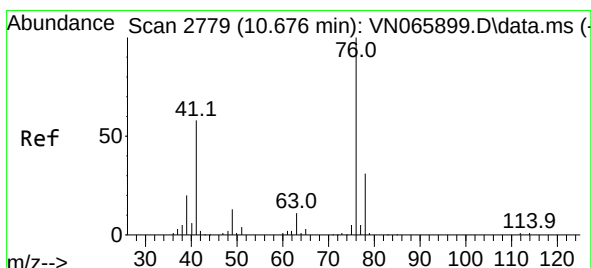
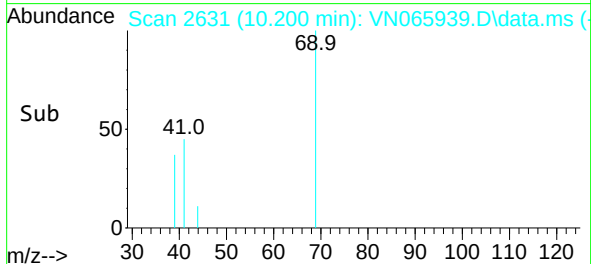
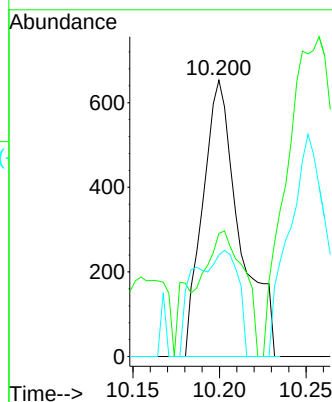
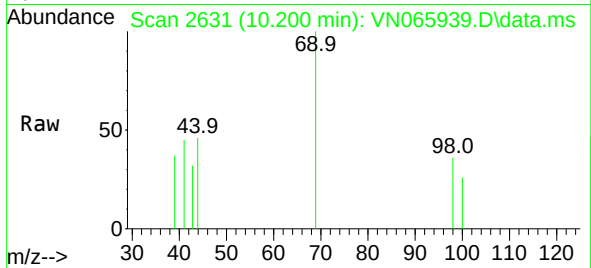




#56
Ethyl methacrylate
Concen: 0.30 ug/l
RT: 10.200 min Scan# 2631
Delta R.T. -0.199 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

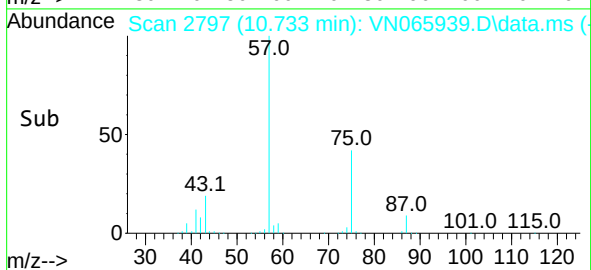
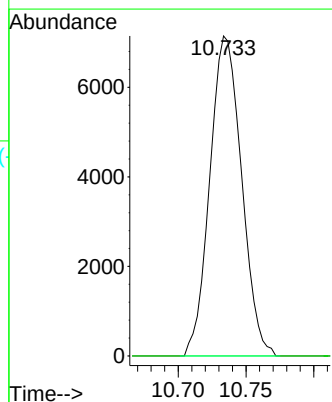
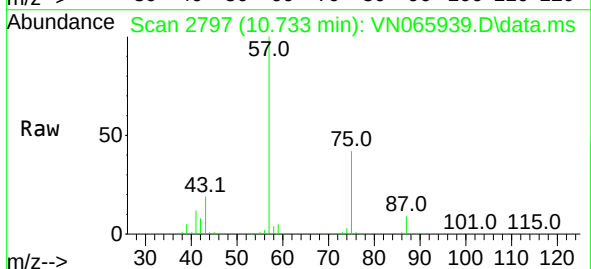
Instrument :
MSVOA_N
ClientSampleId :

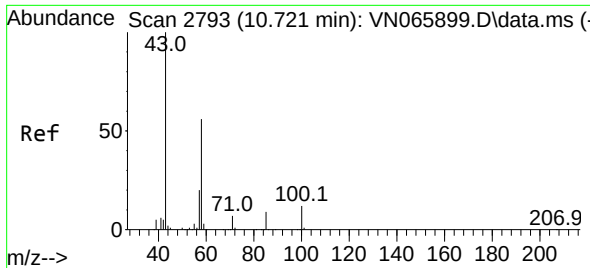
Tgt Ion: 69 Resp: 968
Ion Ratio Lower Upper
69 100
41 49.4 49.6 74.4#
39 19.5 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 3.09 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion: 76 Resp: 11644
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

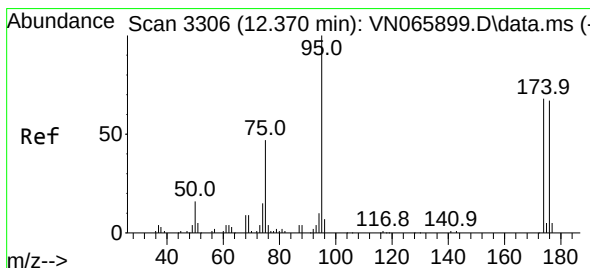
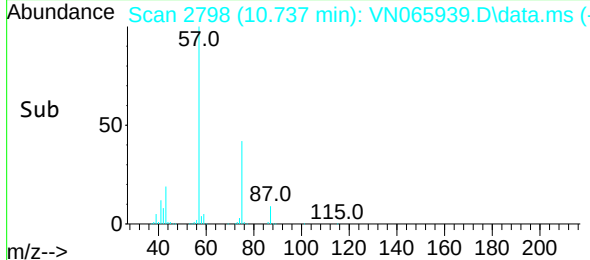
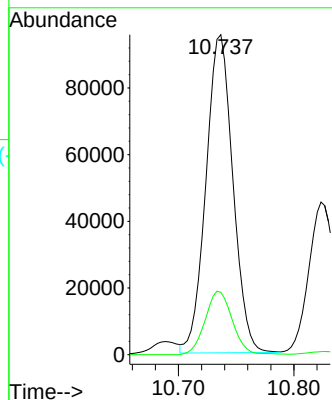
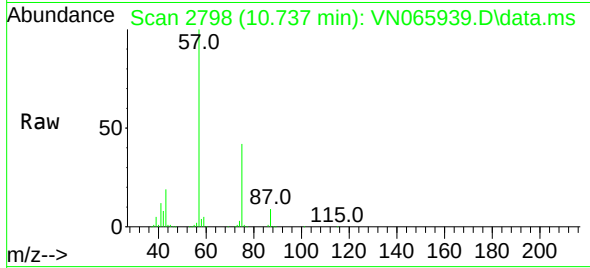




#59
2-Hexanone
Concen: 81.81 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.016 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

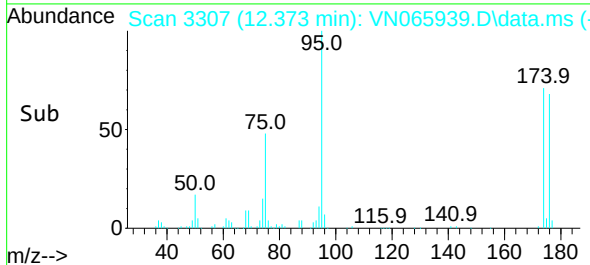
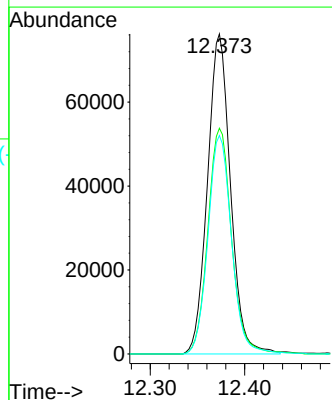
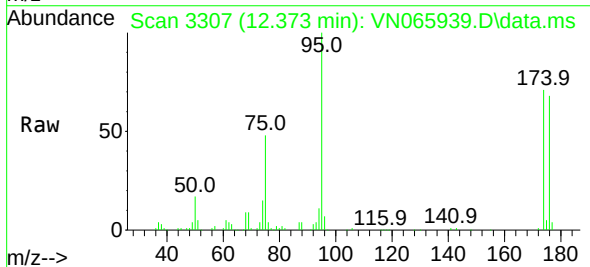
Instrument :
MSVOA_N
ClientSampled :

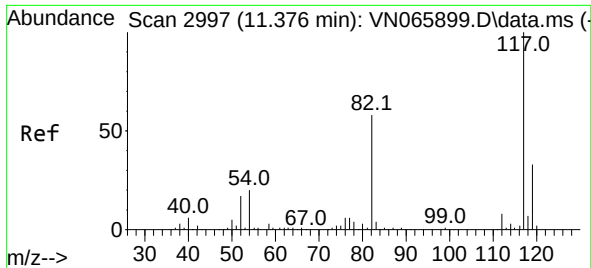
Tgt Ion: 43 Resp: 154763
Ion Ratio Lower Upper
43 100
58 20.2 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 43.96 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion: 95 Resp: 128963
Ion Ratio Lower Upper
95 100
174 73.0 0.0 169.0
176 69.9 0.0 162.4

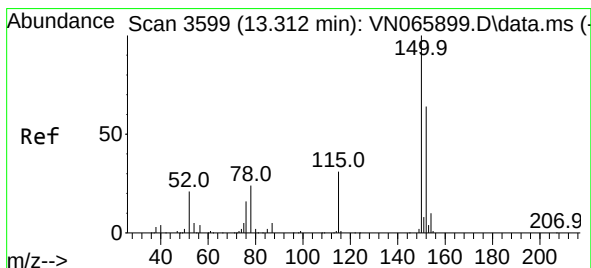
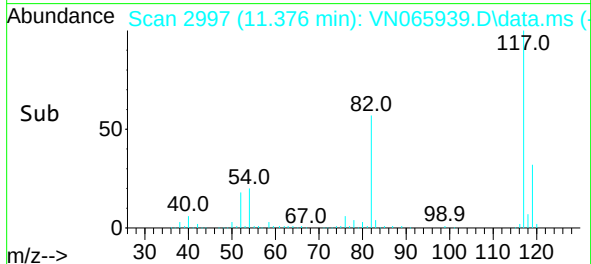
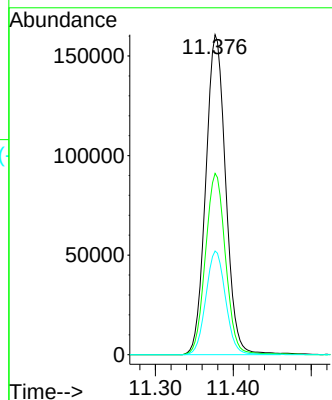
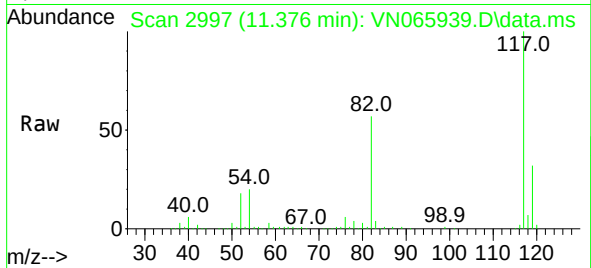




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

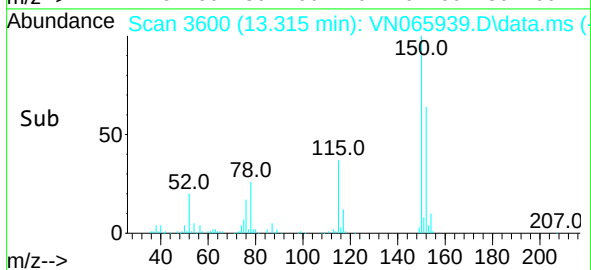
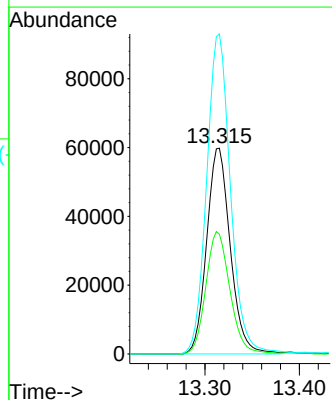
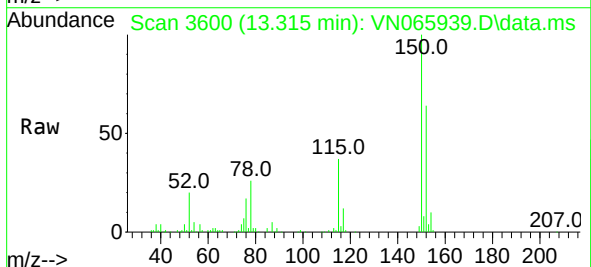
Instrument :
MSVOA_N
ClientSampleId :

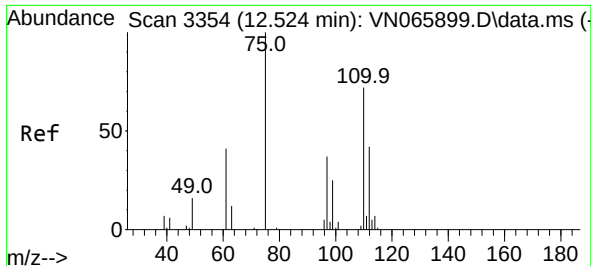
Tgt Ion:117 Resp: 285424
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion:152 Resp: 103971
Ion Ratio Lower Upper
152 100
115 60.5 28.5 85.6
150 156.9 0.0 347.6

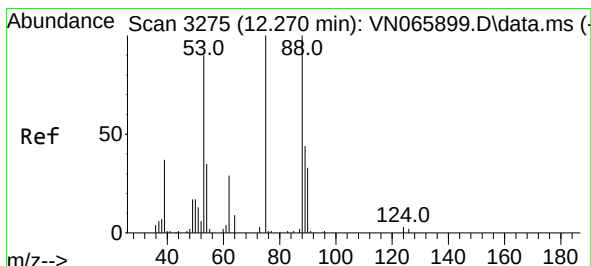
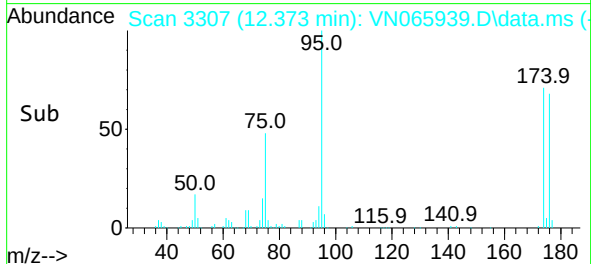
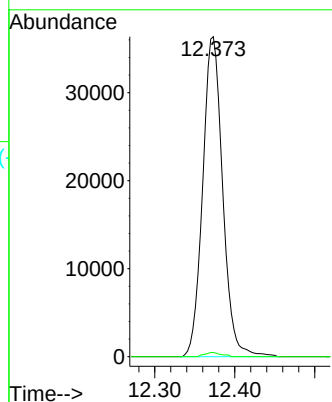
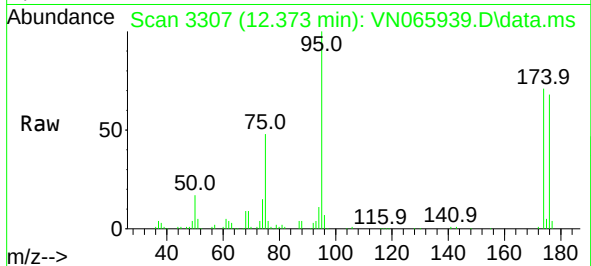




#76
1,2,3-Trichloropropane
Concen: 25.37 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 63363
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.85 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065939.D
Acq: 18 Feb 2021 14:35

Tgt Ion: 75 Resp: 63363
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

