

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021821\
 Data File : VN065934.D
 Acq On : 18 Feb 2021 12:29
 Operator : JC/MD
 Sample : M1418-04DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 19 00:14:48 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	172037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	292898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	258394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	91581	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	113872	47.33	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.66%
35) Dibromofluoromethane	7.553	113	86443	47.69	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.38%
50) Toluene-d8	10.058	98	353540	47.51	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.02%
62) 4-Bromofluorobenzene	12.373	95	118564	42.44	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	84.88%

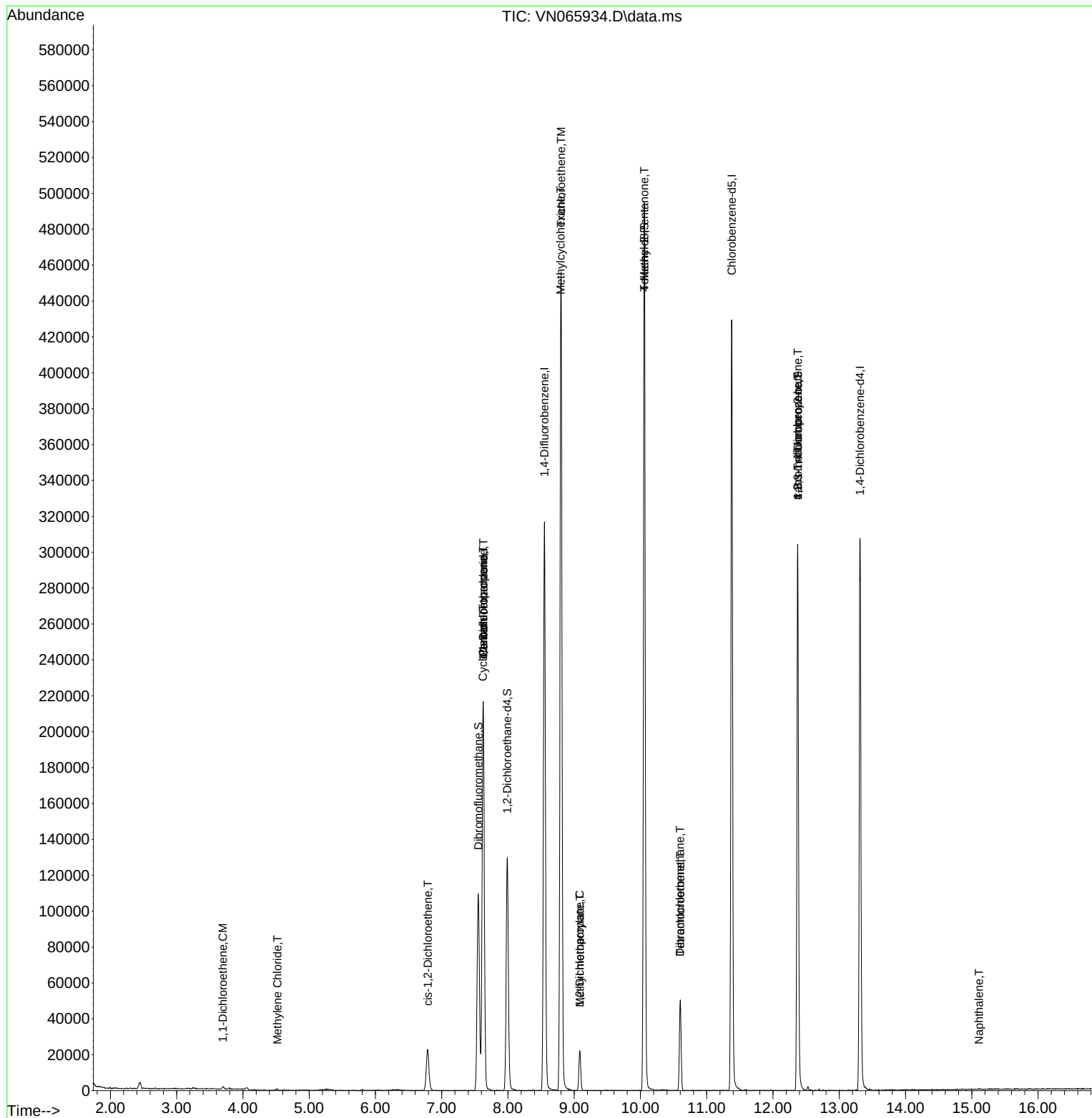
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	3.698	96	800	0.41	ug/l	87
16) Acetone	3.782	43	266	Below Cal	#	41
20) Methylene Chloride	4.521	84	473	0.21	ug/l	# 62
27) cis-1,2-Dichloroethene	6.791	96	15604	6.75	ug/l	90
31) Cyclohexane	7.621	56	3614	1.01	ug/l	# 1
36) 1,1-Dichloropropene	7.624	75	14209	4.92	ug/l	# 49
38) Carbon Tetrachloride	7.627	117	17312	6.45	ug/l	# 17
39) Methylcyclohexane	8.794	83	1872	0.58	ug/l	# 1
44) Trichloroethene	8.801	130	172768	78.84	ug/l	96
45) 1,2-Dichloropropane	9.084	63	9485	4.18	ug/l	97
48) Methyl methacrylate	9.087	41	5134	2.44	ug/l	# 37
51) 4-Methyl-2-Pentanone	10.058	43	1299	0.51	ug/l	# 1
60) Dibromochloromethane	10.598	129	12022	5.78	ug/l	# 11
64) Tetrachloroethene	10.601	164	12318	6.17	ug/l	97
76) 1,2,3-Trichloropropane	12.373	75	57337	26.06	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.373	75	57337	83.06	ug/l	# 12
95) Naphthalene	15.109	128	115	3.08	ug/l	# 69

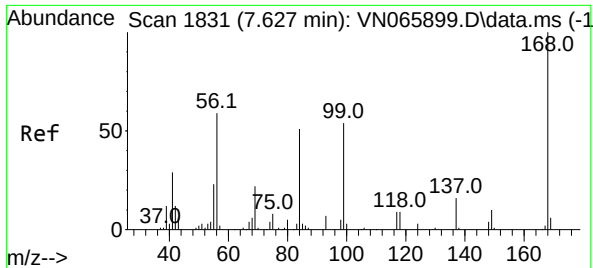
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

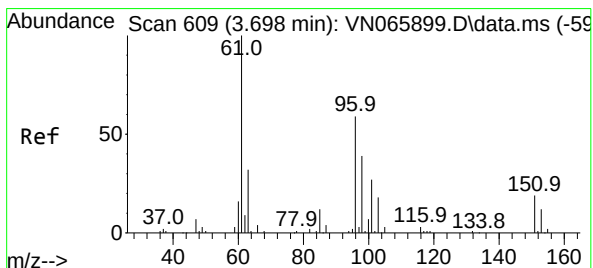
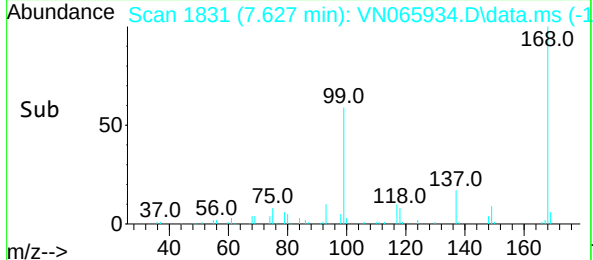
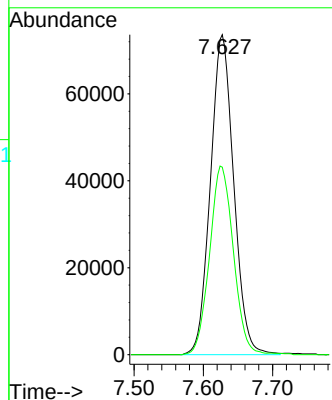
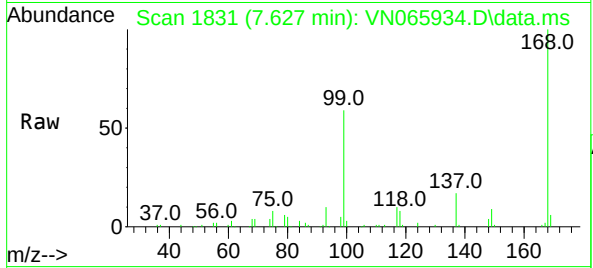




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

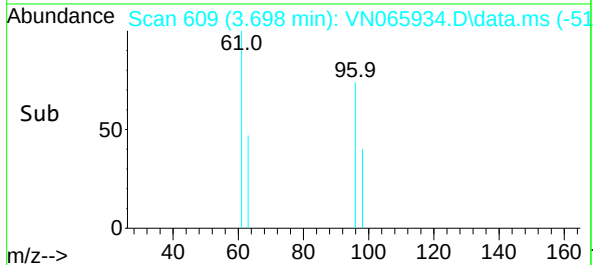
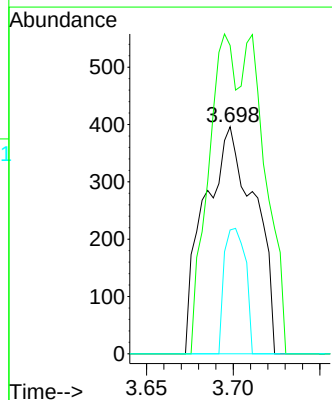
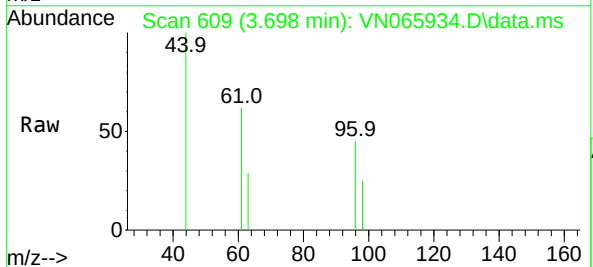
Instrument :
MSVOA_N
ClientSampled :

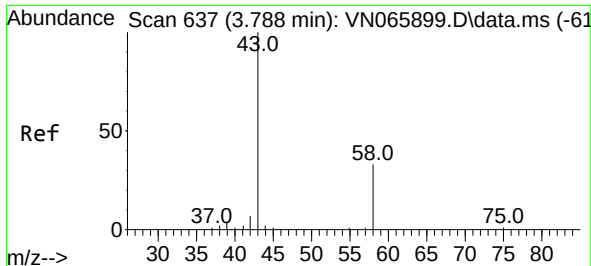
Tgt Ion:168 Resp: 172037
Ion Ratio Lower Upper
168 100
99 58.6 42.6 63.8



#12
1,1-Dichloroethene
Concen: 0.41 ug/l
RT: 3.698 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Tgt Ion: 96 Resp: 800
Ion Ratio Lower Upper
96 100
61 135.9 122.5 183.7
98 54.5 50.8 76.2

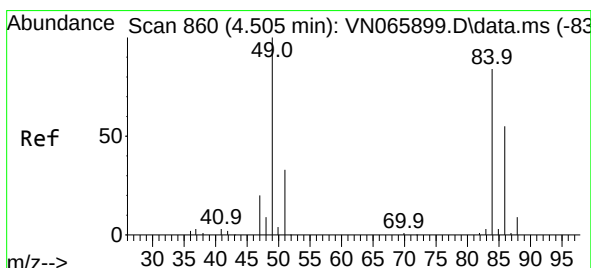
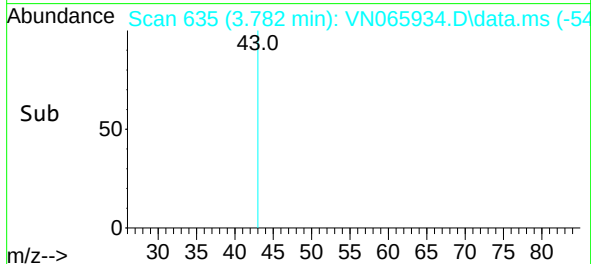
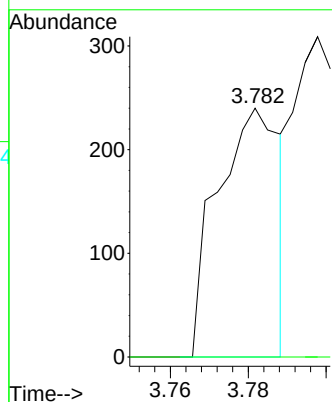
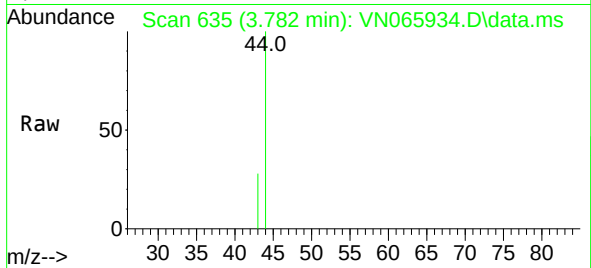




#16
Acetone
Concen: Below Cal
RT: 3.782 min Scan# 635
Delta R.T. -0.006 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

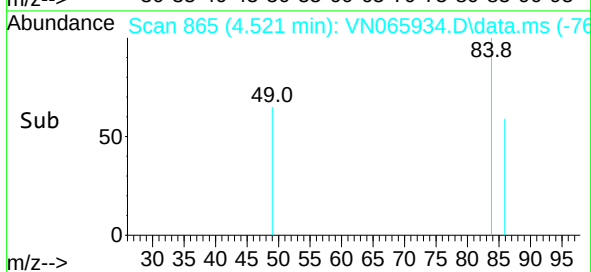
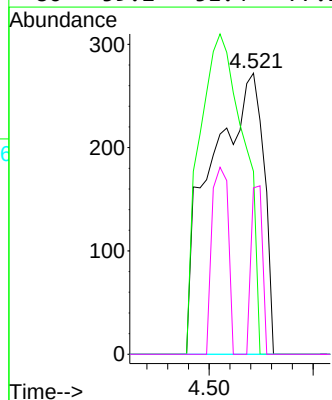
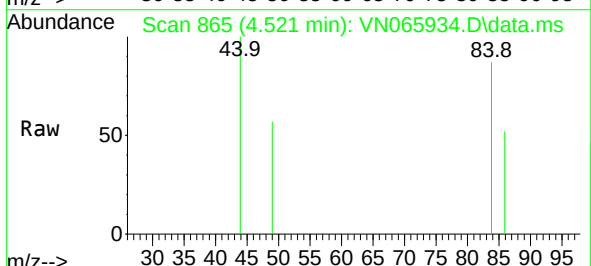
Instrument :
MSVOA_N
ClientSampled :

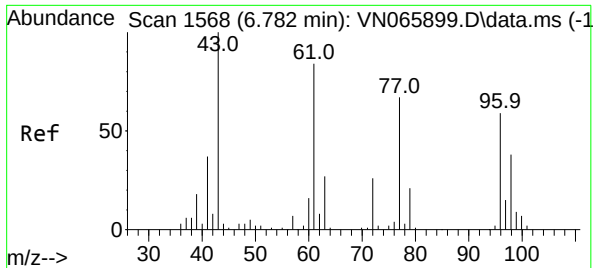
Tgt Ion: 43 Resp: 266
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#



#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 4.521 min Scan# 865
Delta R.T. 0.016 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Tgt Ion: 84 Resp: 473
Ion Ratio Lower Upper
84 100
49 65.1 94.6 141.8#
51 0.0 29.9 44.9#
86 59.2 51.4 77.2

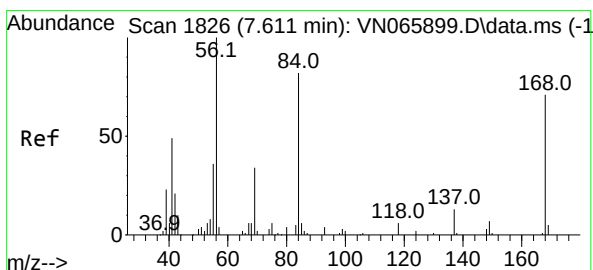
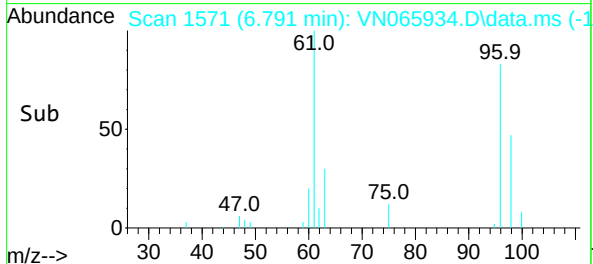
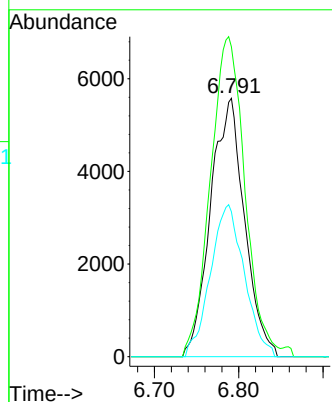
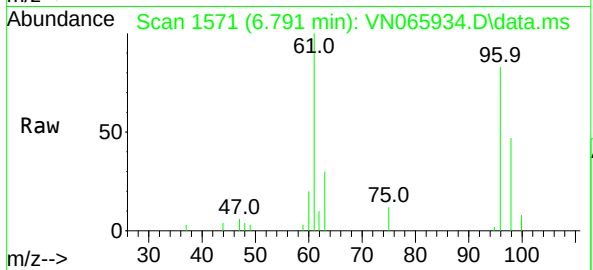




#27
 cis-1,2-Dichloroethene
 Concen: 6.75 ug/l
 RT: 6.791 min Scan# 1571
 Delta R.T. 0.009 min
 Lab File: VN065934.D
 Acq: 18 Feb 2021 12:29

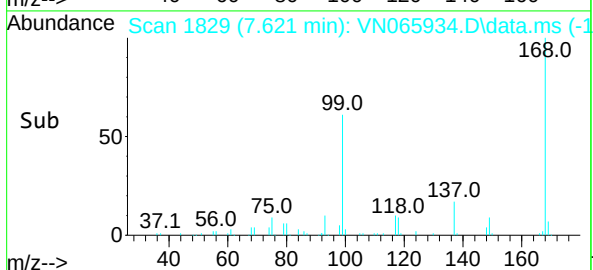
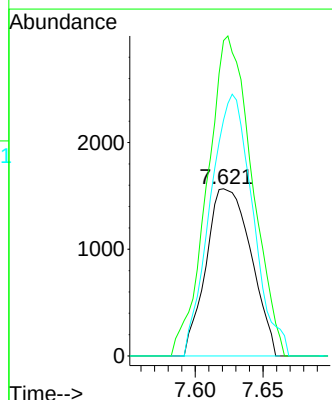
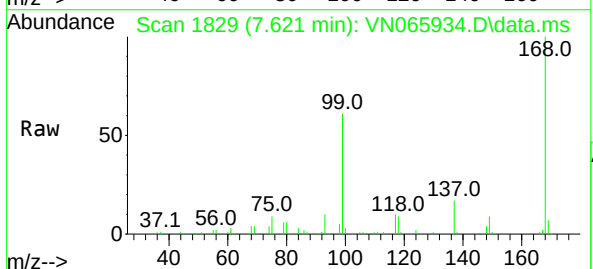
Instrument :
 MSVOA_N
 ClientSampled :

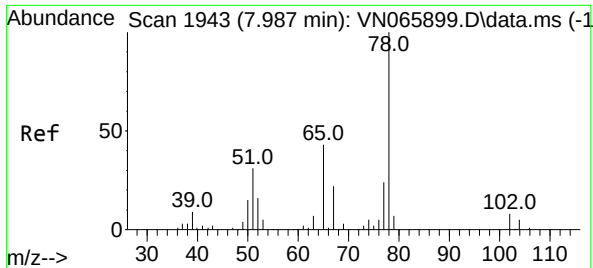
Tgt Ion: 96	Resp: 15604
Ion Ratio	Lower Upper
96 100	
61 125.6	0.0 276.8
98 58.8	0.0 129.4



#31
 Cyclohexane
 Concen: 1.01 ug/l
 RT: 7.621 min Scan# 1829
 Delta R.T. 0.010 min
 Lab File: VN065934.D
 Acq: 18 Feb 2021 12:29

Tgt Ion: 56	Resp: 3614
Ion Ratio	Lower Upper
56 100	
69 177.7	26.6 39.8#
84 141.2	70.4 105.6#

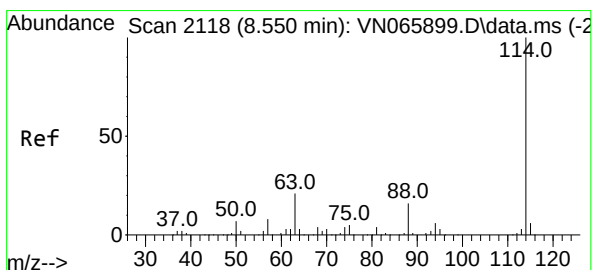
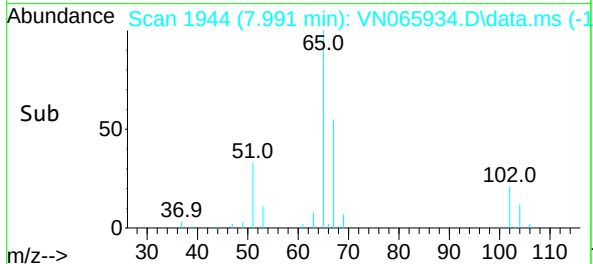
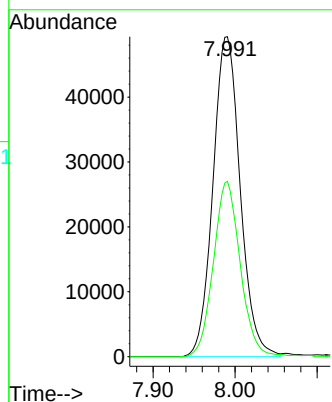
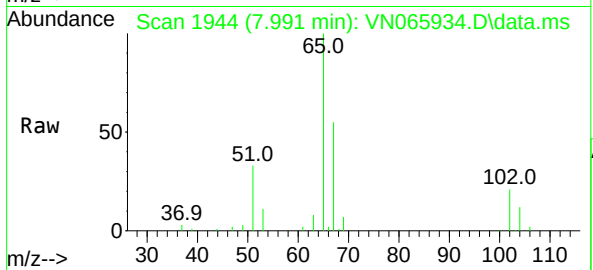




#33
1,2-Dichloroethane-d4
Concen: 47.33 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

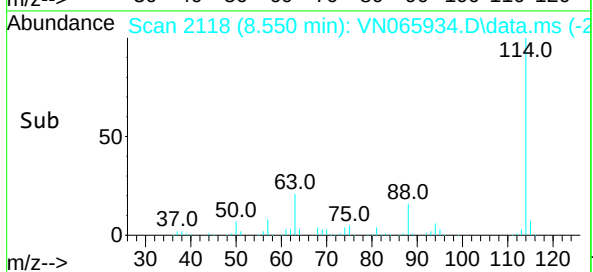
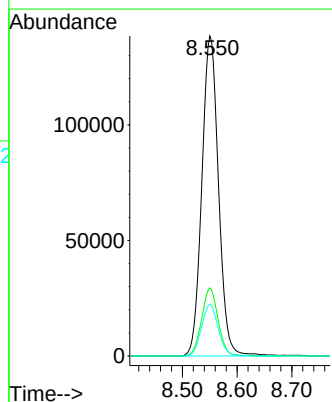
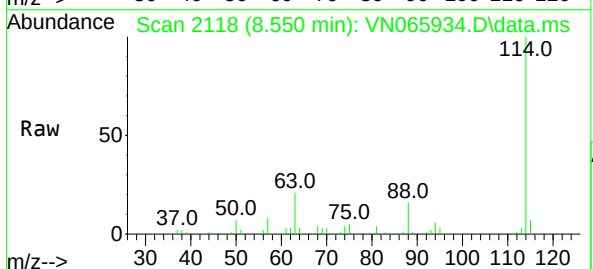
Instrument :
MSVOA_N
ClientSampled :

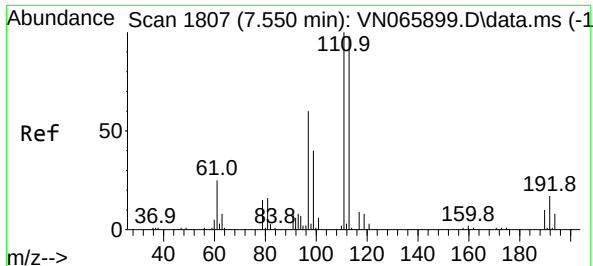
Tgt Ion: 65 Resp: 113872
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Tgt Ion: 114 Resp: 292898
Ion Ratio Lower Upper
114 100
63 21.3 0.0 38.6
88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.69 ug/l

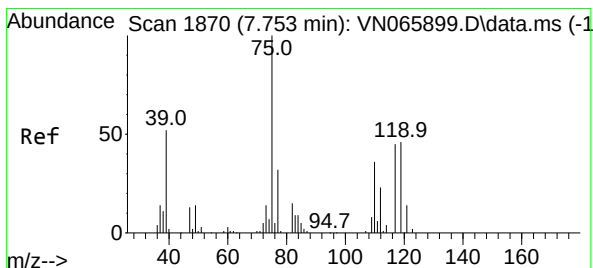
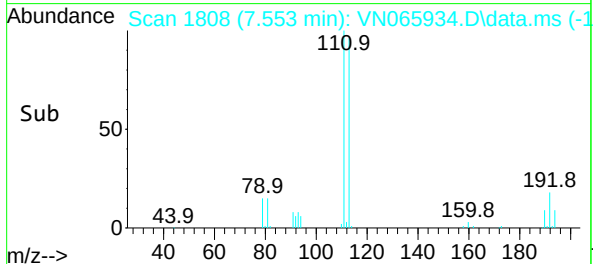
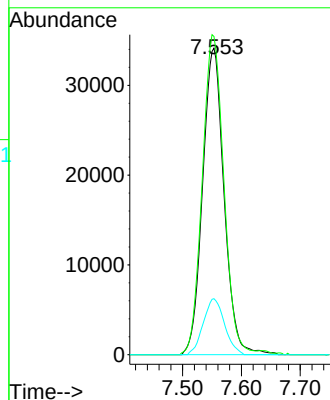
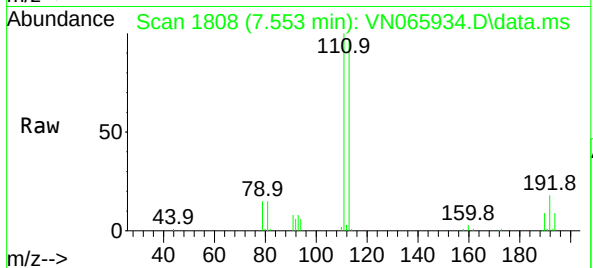
RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065934.D

Acq: 18 Feb 2021 12:29

Tgt Ion:	113	Resp:	86443
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.2	123.2
192	18.2	15.4	23.0



#36

1,1-Dichloropropene

Concen: 4.92 ug/l

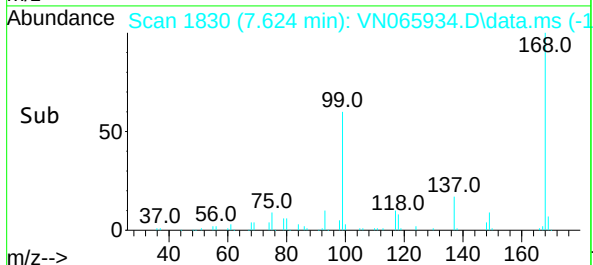
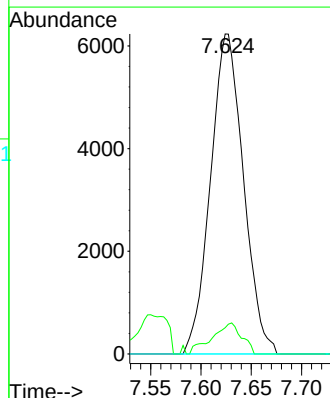
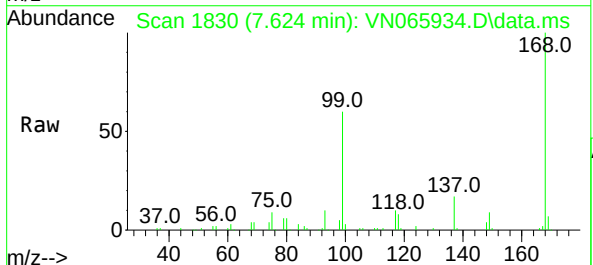
RT: 7.624 min Scan# 1830

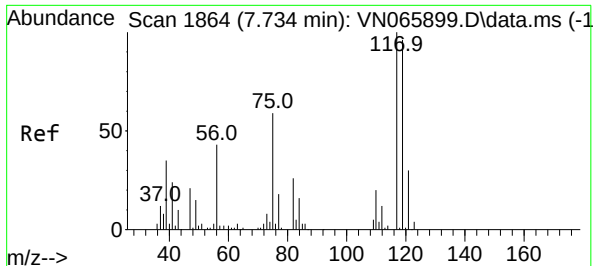
Delta R.T. -0.129 min

Lab File: VN065934.D

Acq: 18 Feb 2021 12:29

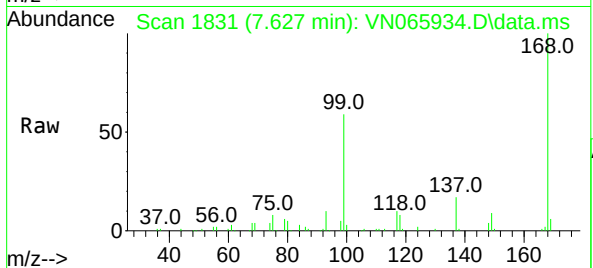
Tgt Ion:	75	Resp:	14209
Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.0	24.9	37.3#



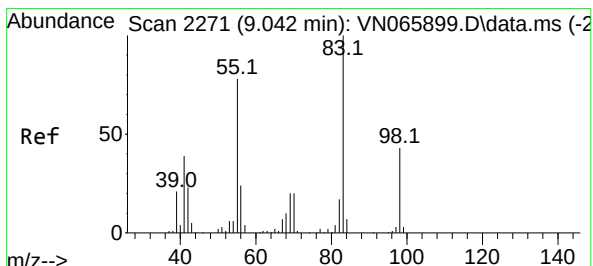
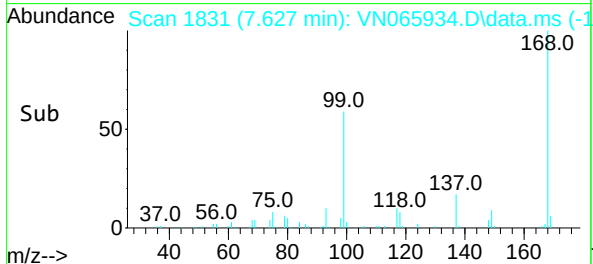
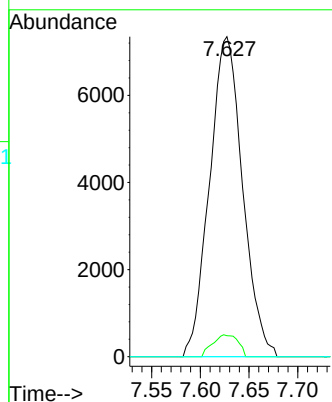


#38
Carbon Tetrachloride
Concen: 6.45 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Instrument :
MSVOA_N
ClientSampled :

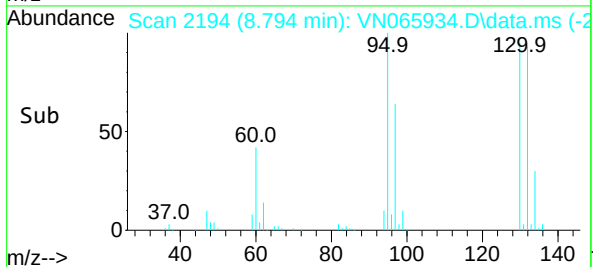
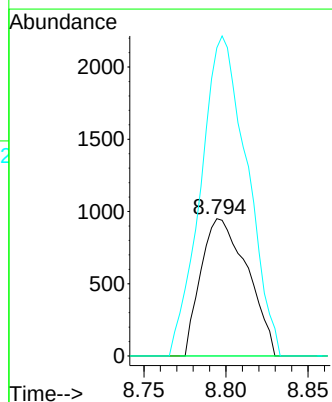
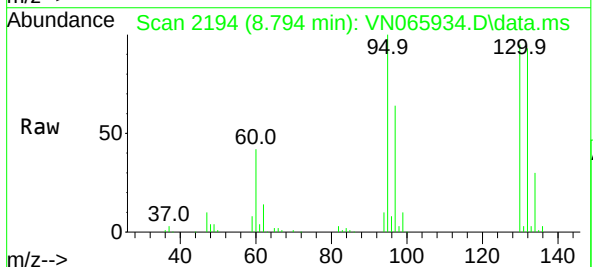


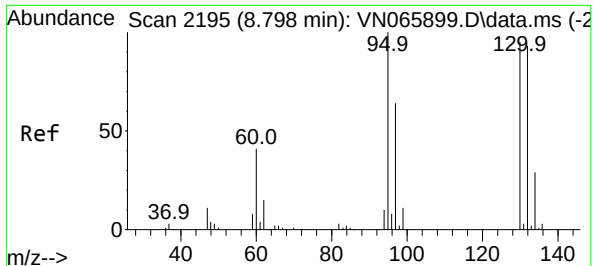
Tgt Ion:117 Resp: 17312
Ion Ratio Lower Upper
117 100
119 6.6 76.0 114.0#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 0.58 ug/l
RT: 8.794 min Scan# 2194
Delta R.T. -0.248 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Tgt Ion: 83 Resp: 1872
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 224.5 35.9 53.9#

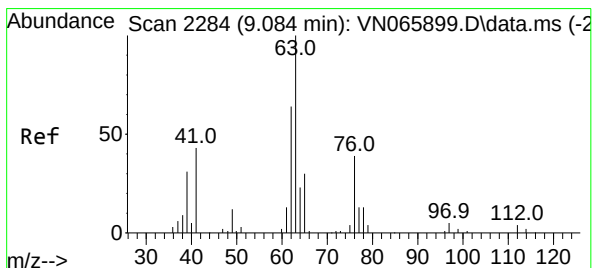
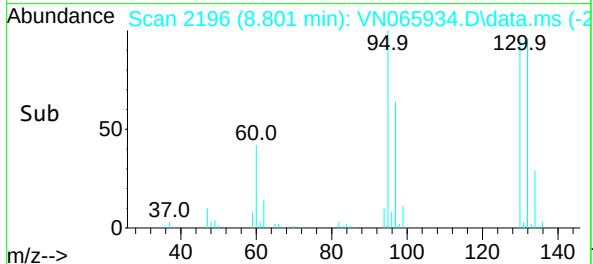
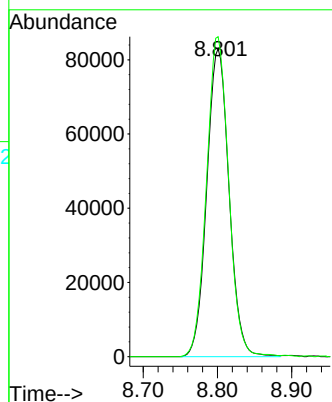
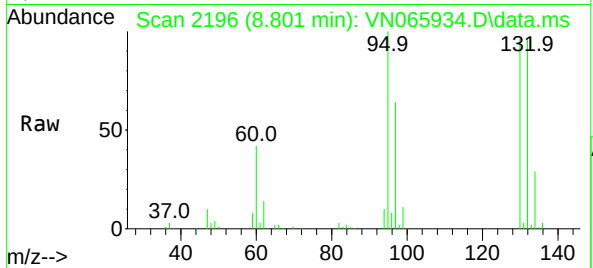




#44
Trichloroethene
Concen: 78.84 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

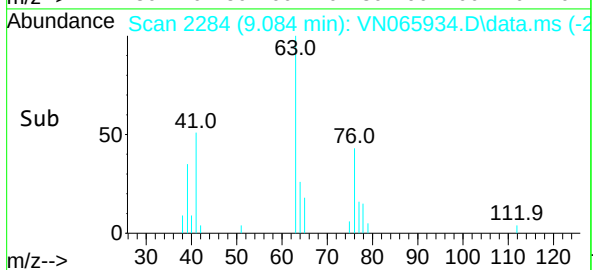
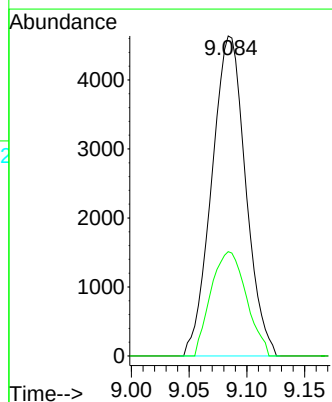
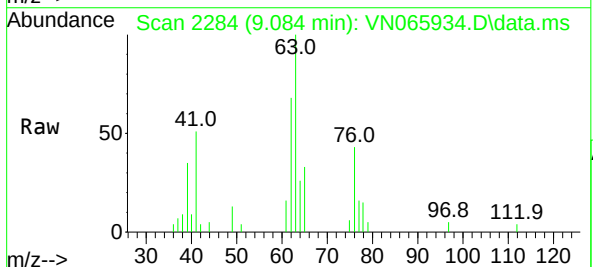
Instrument :
MSVOA_N
ClientSampled :

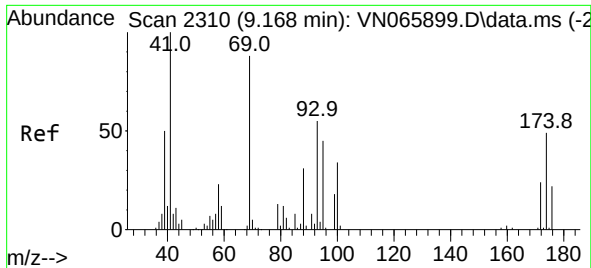
Tgt Ion:130 Resp: 172768
Ion Ratio Lower Upper
130 100
95 103.9 0.0 199.6



#45
1,2-Dichloropropane
Concen: 4.18 ug/l
RT: 9.084 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Tgt Ion: 63 Resp: 9485
Ion Ratio Lower Upper
63 100
65 32.6 24.9 37.3

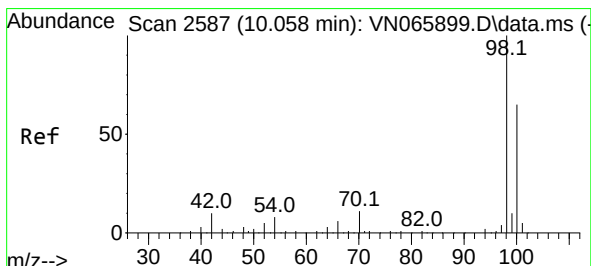
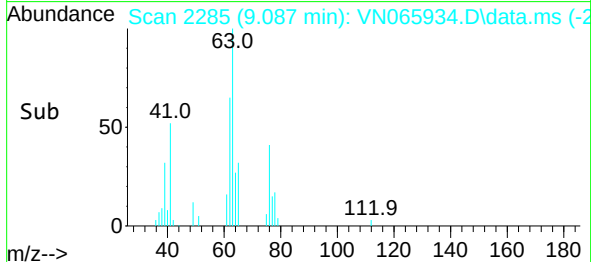
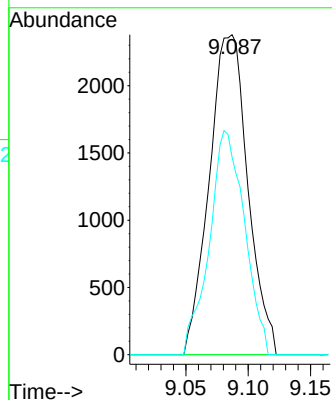
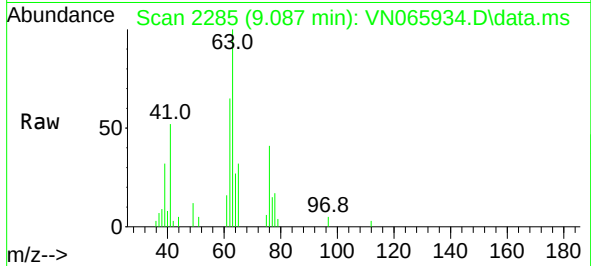




#48
Methyl methacrylate
Concen: 2.44 ug/l
RT: 9.087 min Scan# 2285
Delta R.T. -0.081 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

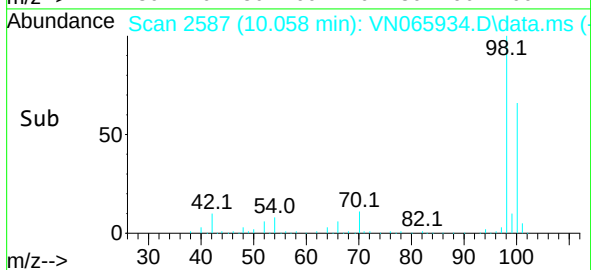
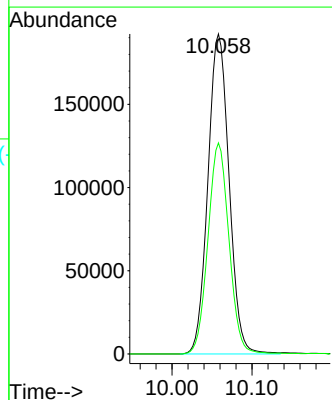
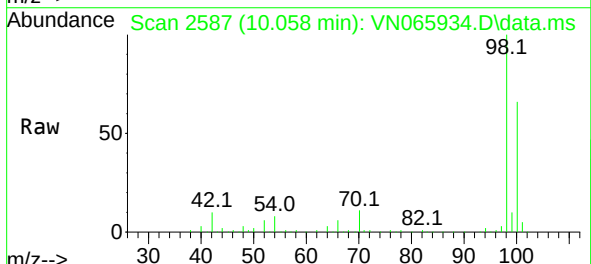
Instrument :
MSVOA_N
ClientSampled :

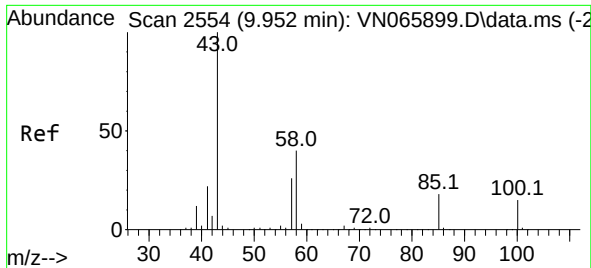
Tgt Ion: 41 Resp: 5134
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 63.7 46.6 69.8



#50
Toluene-d8
Concen: 47.51 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Tgt Ion: 98 Resp: 353540
Ion Ratio Lower Upper
98 100
100 65.4 50.5 75.7

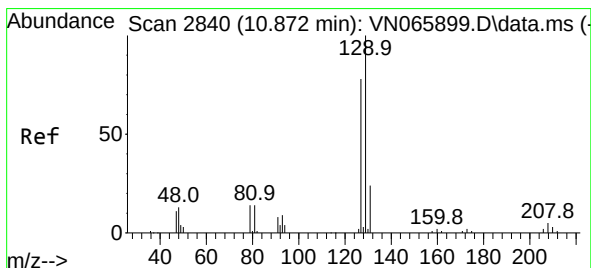
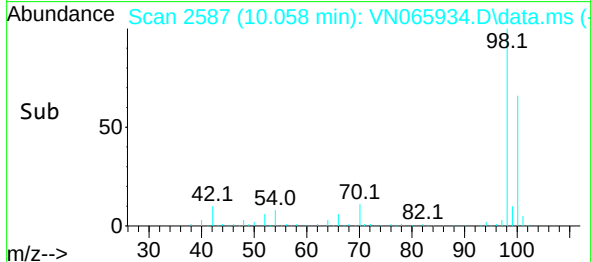
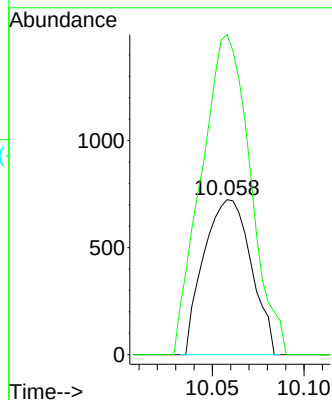
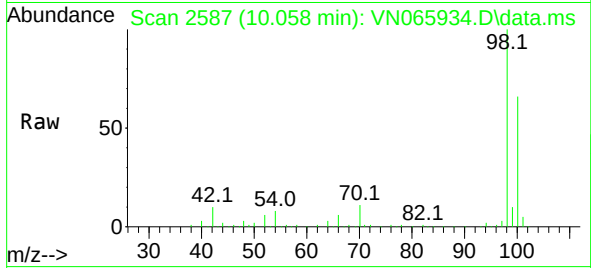




#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.106 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

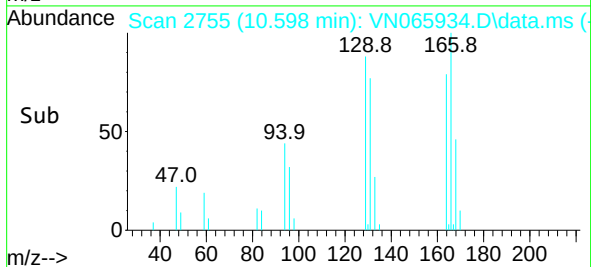
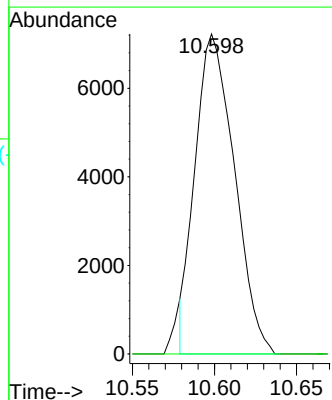
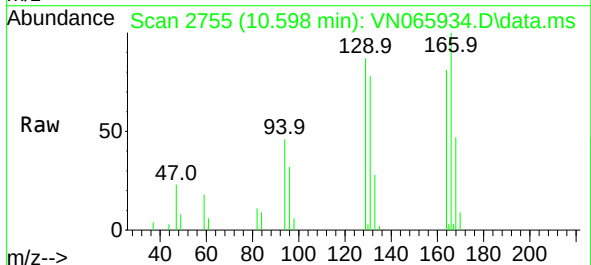
Instrument :
MSVOA_N
ClientSampled :

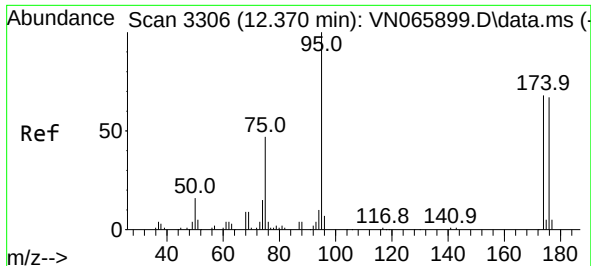
Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
58 213.0 32.5 48.7#



#60
Dibromochloromethane
Concen: 5.78 ug/l
RT: 10.598 min Scan# 2755
Delta R.T. -0.274 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Tgt Ion: 129 Resp: 12022
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

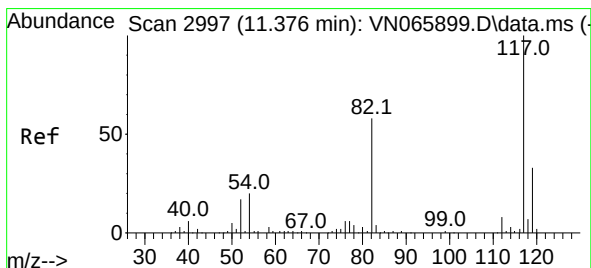
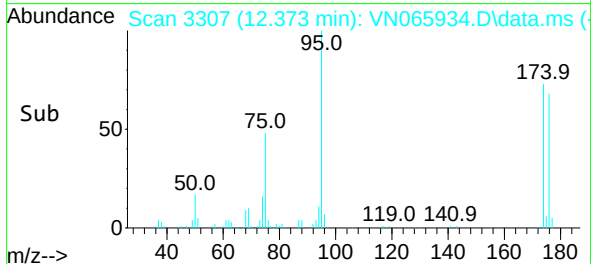
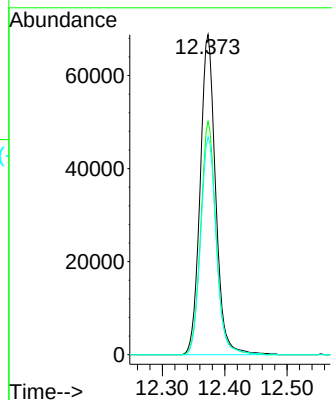
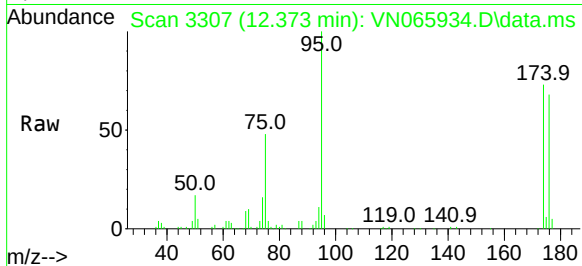




#62
4-Bromofluorobenzene
Concen: 42.44 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

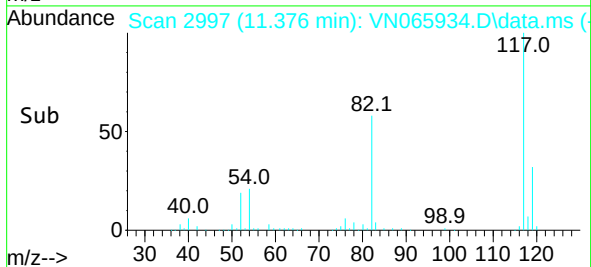
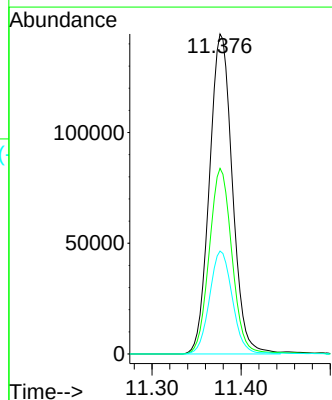
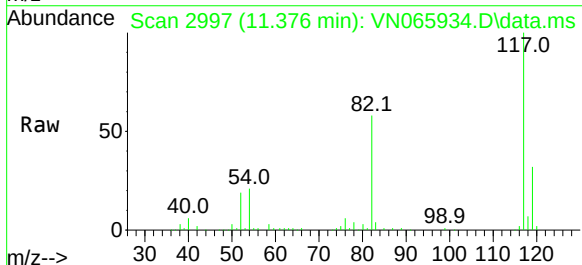
Instrument :
MSVOA_N
ClientSampled :

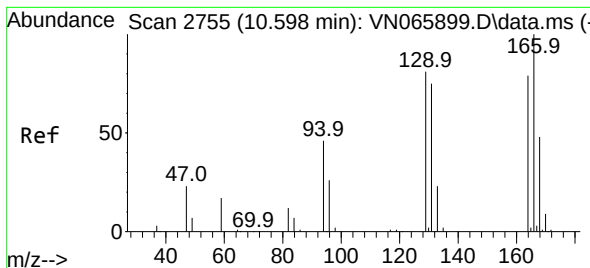
Tgt Ion: 95 Resp: 118564
Ion Ratio Lower Upper
95 100
174 72.6 0.0 169.0
176 69.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Tgt Ion: 117 Resp: 258394
Ion Ratio Lower Upper
117 100
82 58.0 43.7 65.5
119 32.1 26.1 39.1





#64

Tetrachloroethene

Concen: 6.17 ug/l

RT: 10.601 min Scan# 2756

Delta R.T. 0.003 min

Lab File: VN065934.D

Acq: 18 Feb 2021 12:29

Tgt Ion:164 Resp: 12318

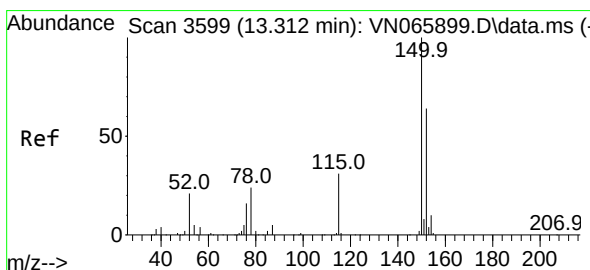
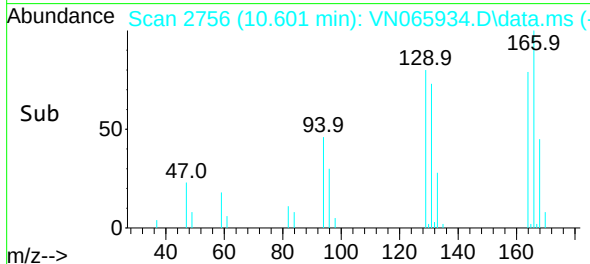
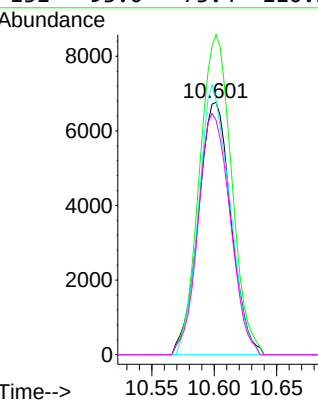
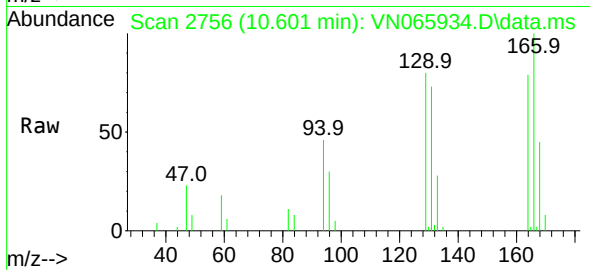
Ion Ratio Lower Upper

164 100

166 126.8 102.6 154.0

129 101.1 76.2 114.4

131 93.0 73.4 110.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.315 min Scan# 3600

Delta R.T. 0.003 min

Lab File: VN065934.D

Acq: 18 Feb 2021 12:29

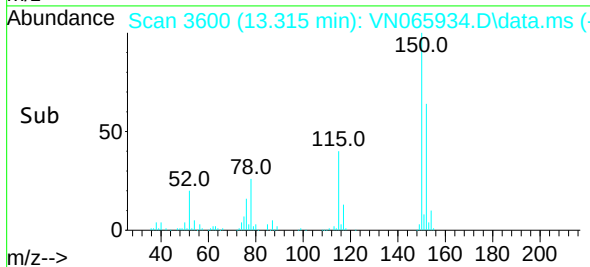
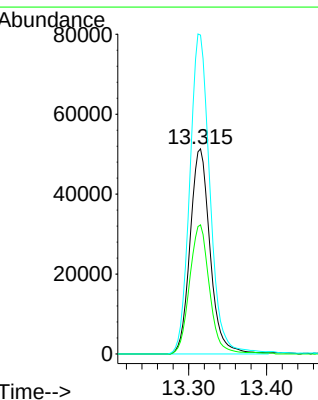
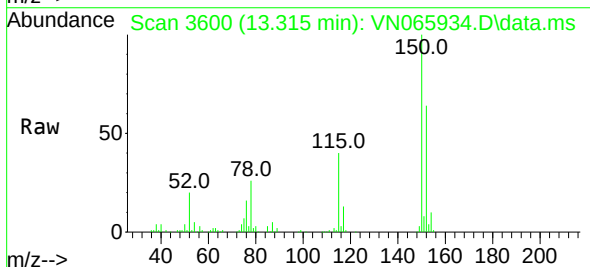
Tgt Ion:152 Resp: 91581

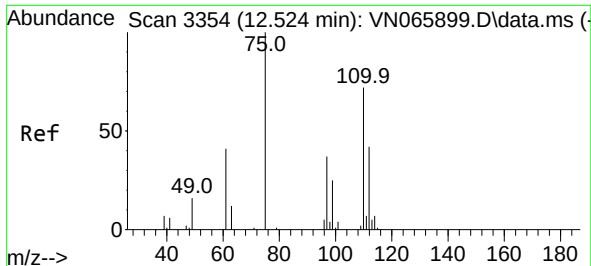
Ion Ratio Lower Upper

152 100

115 62.3 28.5 85.6

150 157.3 0.0 347.6

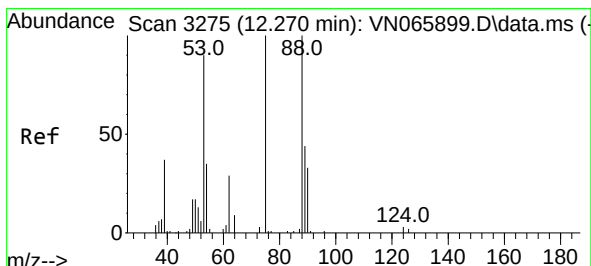
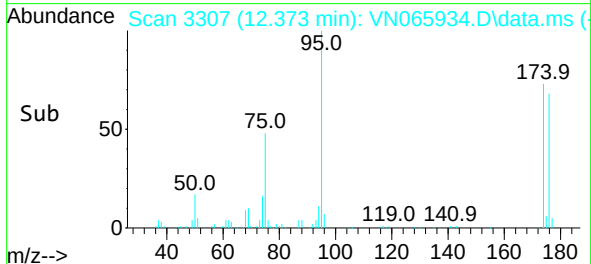
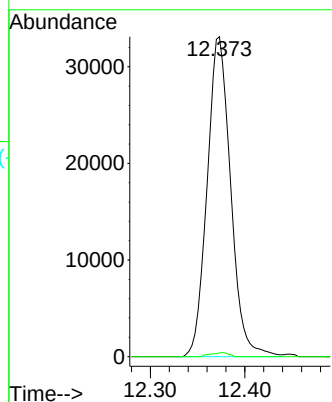
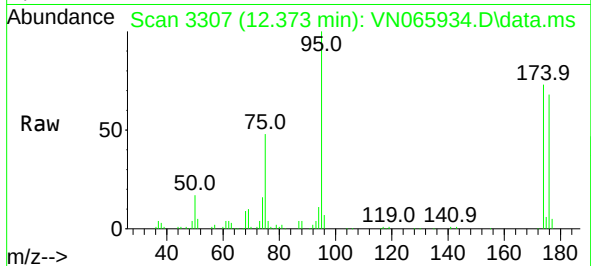




#76
1,2,3-Trichloropropane
Concen: 26.06 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

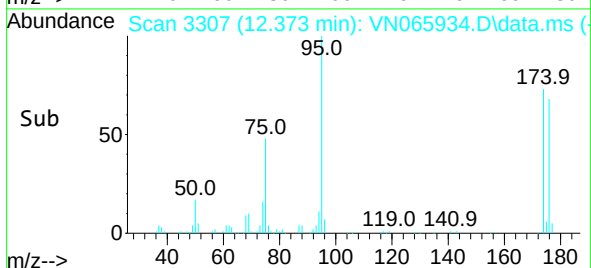
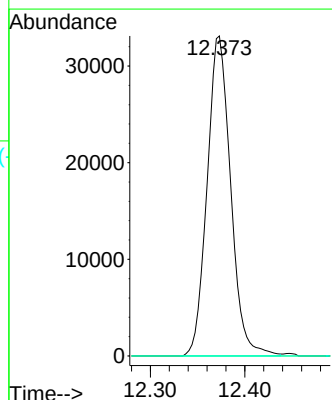
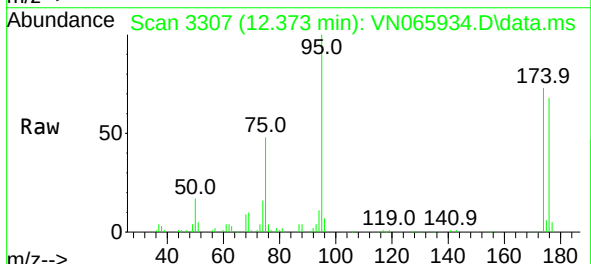
Instrument :
MSVOA_N
ClientSampleId :

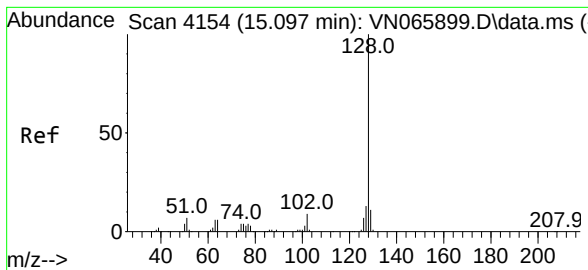
Tgt Ion: 75 Resp: 57337
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.06 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

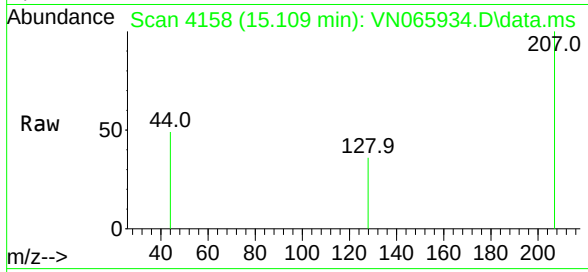
Tgt Ion: 75 Resp: 57337
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#





#95
Naphthalene
Concen: 3.08 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.012 min
Lab File: VN065934.D
Acq: 18 Feb 2021 12:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 115
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

