

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022321\
 Data File : VN065985.D
 Acq On : 23 Feb 2021 14:51
 Operator : JC/MD
 Sample : M1470-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 24 00:35:15 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)

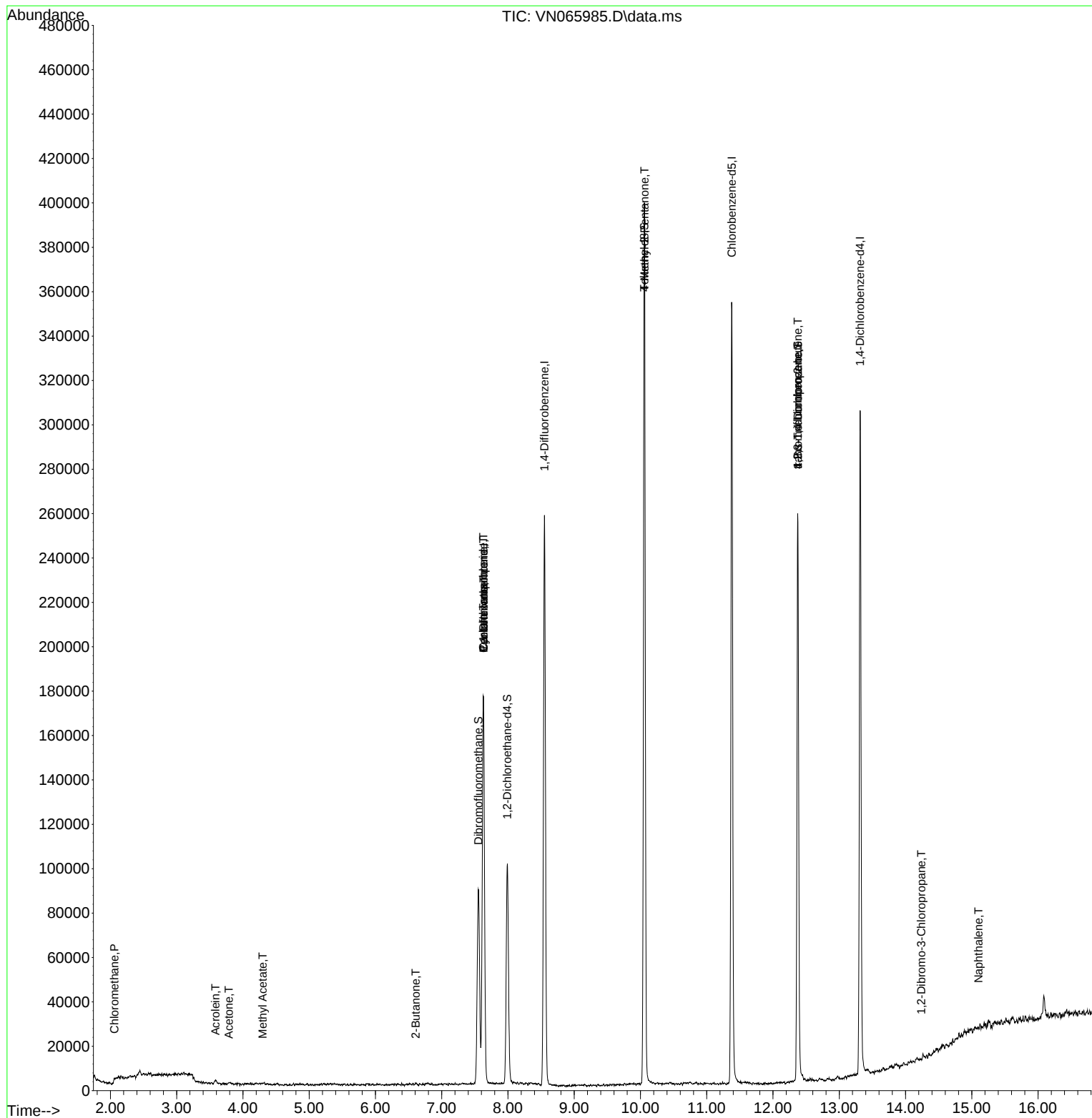
Internal Standards						
1) Pentafluorobenzene	7.630	168	142700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	237880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	217132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	87237	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	92765	46.49	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.98%
35) Dibromofluoromethane	7.553	113	70901	48.16	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.32%
50) Toluene-d8	10.058	98	287028	47.50	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.00%
62) 4-Bromofluorobenzene	12.373	95	103820	45.76	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.52%
Target Compounds						
						Qvalue
3) Chloromethane	2.058	50	1083	0.46	ug/l	98
13) Acrolein	3.586	56	1711	6.74	ug/l	94
16) Acetone	3.785	43	1216	0.34	ug/l #	41
18) Methyl Acetate	4.299	43	568	0.34	ug/l #	51
25) 2-Butanone	6.608	43	247	0.25	ug/l #	46
31) Cyclohexane	7.630	56	2684	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	11126	4.74	ug/l #	47
38) Carbon Tetrachloride	7.627	117	14031	6.44	ug/l #	17
51) 4-Methyl-2-Pentanone	10.061	43	1376	0.67	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	52443	25.02	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	52443	79.75	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.238	75	56	0.98	ug/l #	1
95) Naphthalene	15.103	128	64	3.07	ug/l #	69

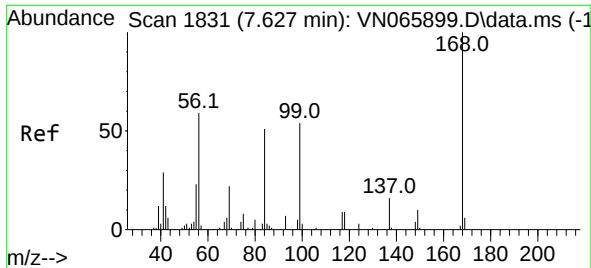
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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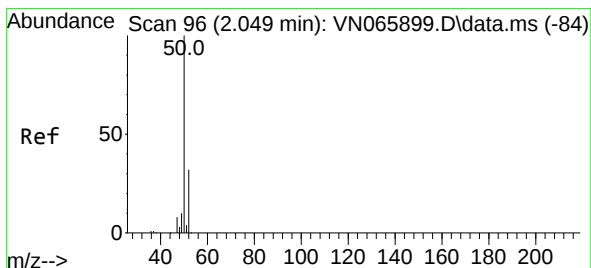
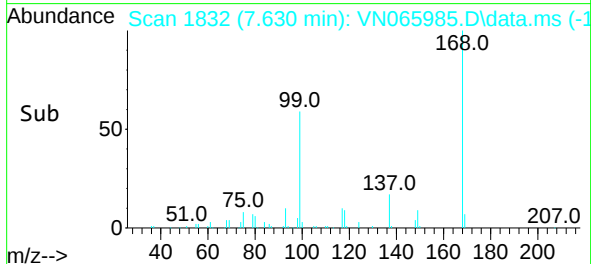
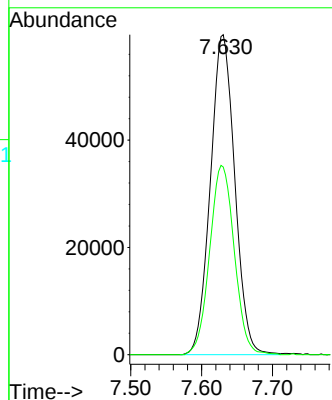
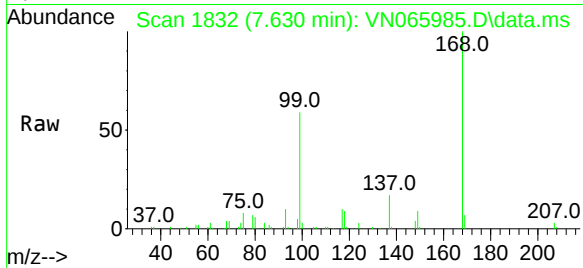




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

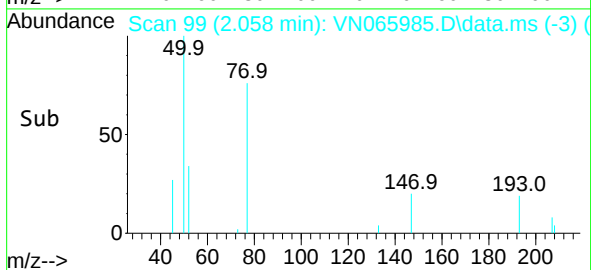
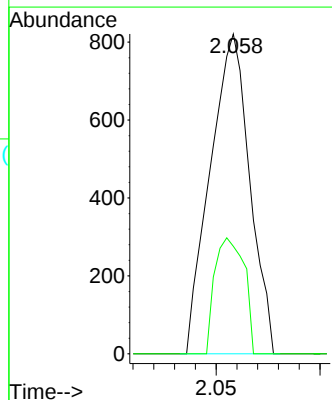
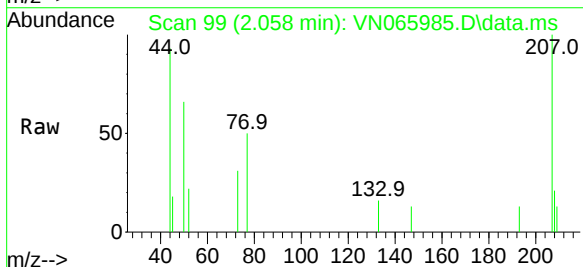
Instrument :
MSVOA_N
ClientSampled :

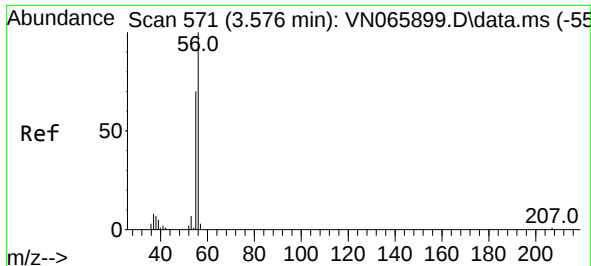
Tgt Ion:168 Resp: 142700
Ion Ratio Lower Upper
168 100
99 58.7 42.6 63.8



#3
Chloromethane
Concen: 0.46 ug/l
RT: 2.058 min Scan# 99
Delta R.T. 0.009 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

Tgt Ion: 50 Resp: 1083
Ion Ratio Lower Upper
50 100
52 33.6 25.8 38.8

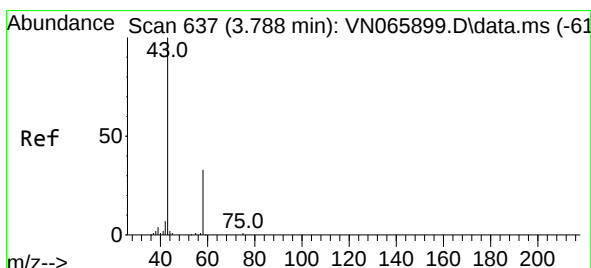
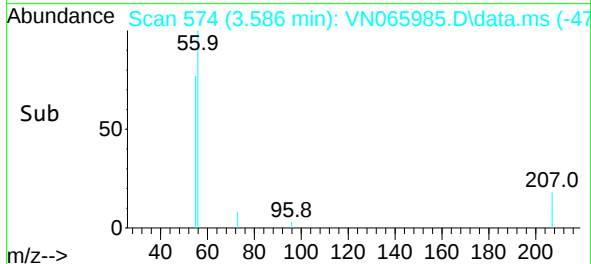
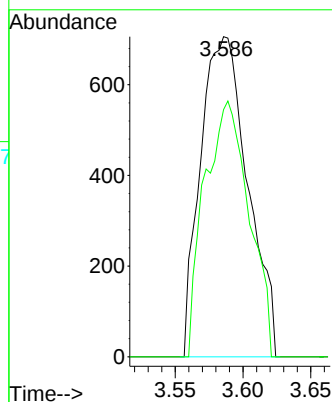
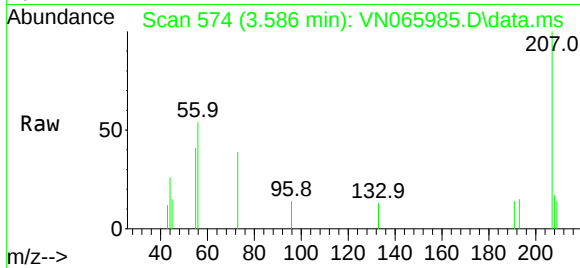




#13
Acrolein
Concen: 6.74 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

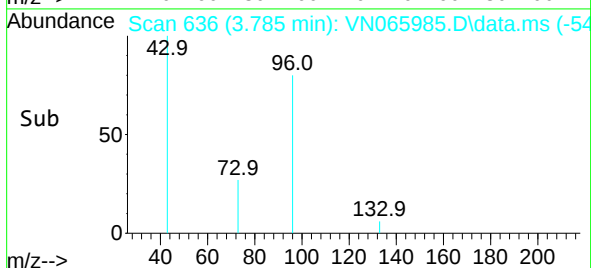
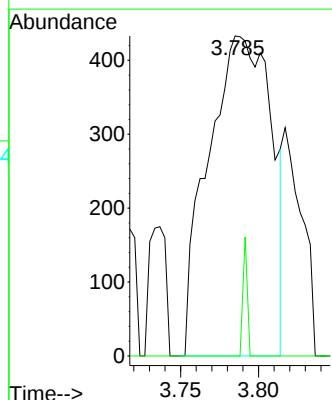
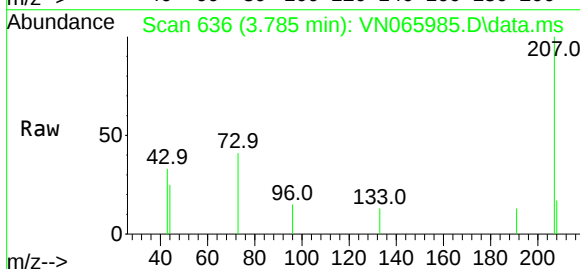
Instrument :
MSVOA_N
ClientSampled :

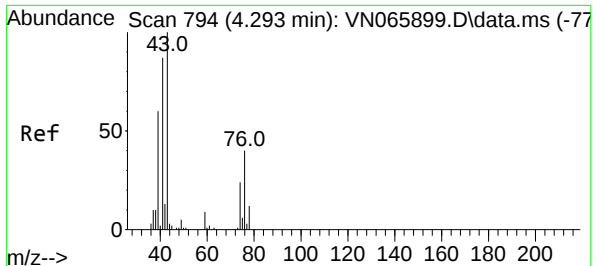
Tgt Ion: 56 Resp: 1711
Ion Ratio Lower Upper
56 100
55 75.0 56.0 84.0



#16
Acetone
Concen: 0.34 ug/l
RT: 3.785 min Scan# 636
Delta R.T. -0.003 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

Tgt Ion: 43 Resp: 1216
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#





#18

Methyl Acetate

Concen: 0.34 ug/l

RT: 4.299 min Scan# 796

Delta R.T. 0.006 min

Lab File: VN065985.D

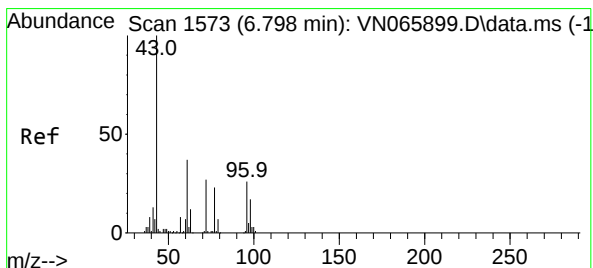
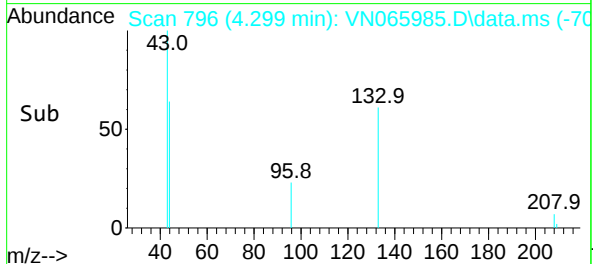
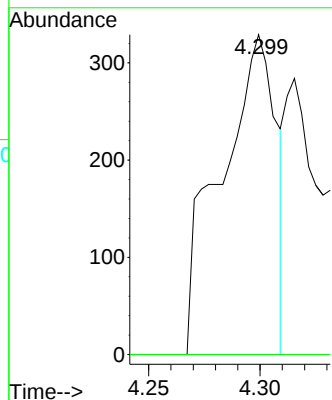
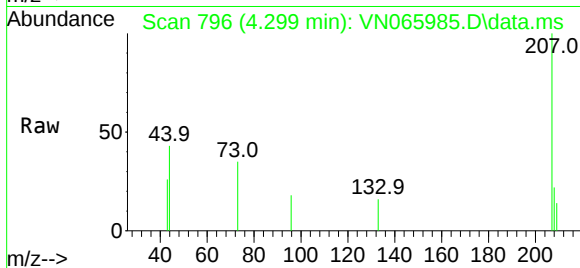
Acq: 23 Feb 2021 14:51

Tgt Ion: 43 Resp: 568

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#



#25

2-Butanone

Concen: 0.25 ug/l

RT: 6.608 min Scan# 1514

Delta R.T. -0.190 min

Lab File: VN065985.D

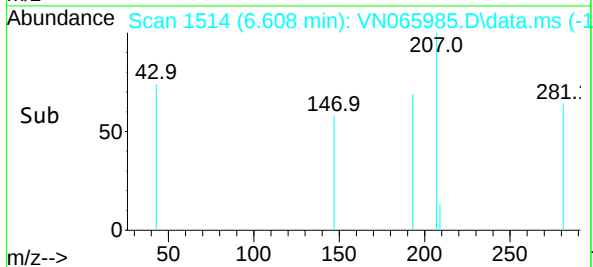
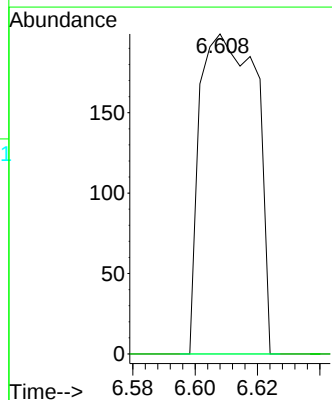
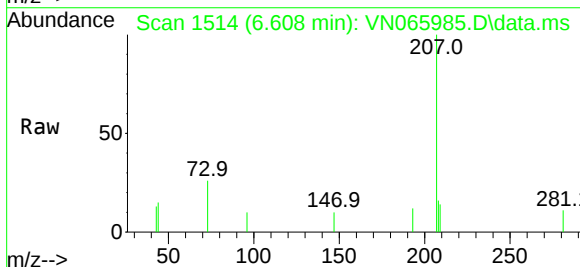
Acq: 23 Feb 2021 14:51

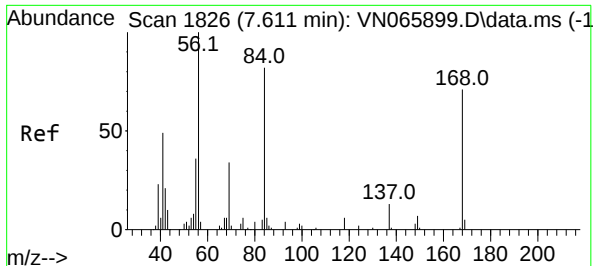
Tgt Ion: 43 Resp: 247

Ion Ratio Lower Upper

43 100

72 0.0 23.1 34.7#





#31

Cyclohexane

Concen: 0.90 ug/l

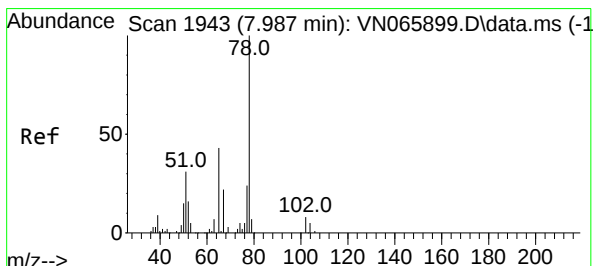
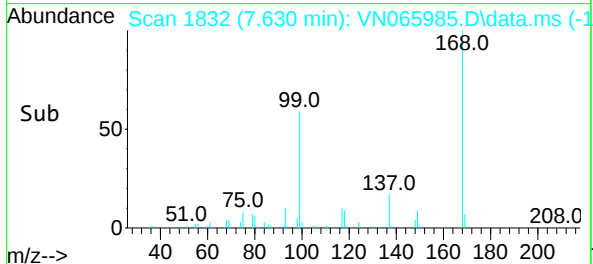
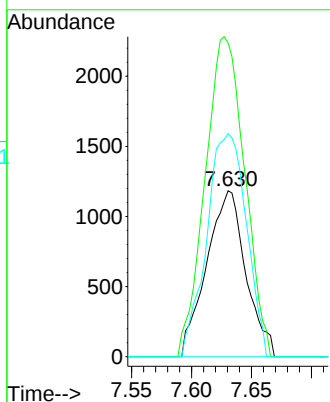
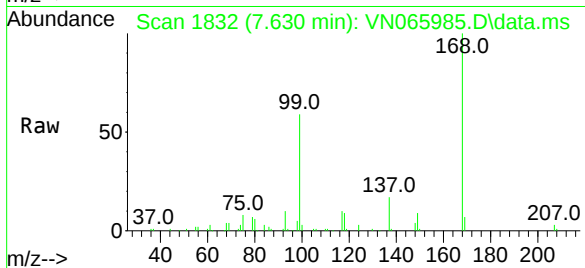
RT: 7.630 min Scan# 1832

Delta R.T. 0.019 min

Lab File: VN065985.D

Acq: 23 Feb 2021 14:51

Tgt Ion:	56	Resp:	2684
Ion	Ratio	Lower	Upper
56	100		
69	189.2	26.6	39.8#
84	134.5	70.4	105.6#



#33

1,2-Dichloroethane-d4

Concen: 46.49 ug/l

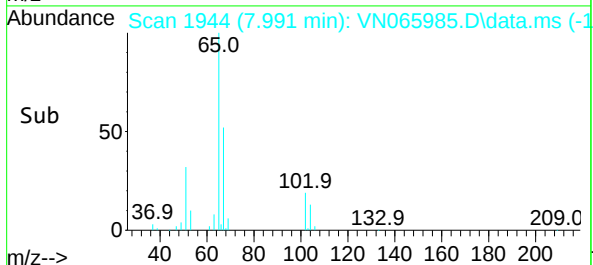
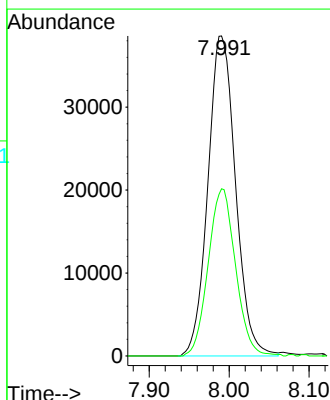
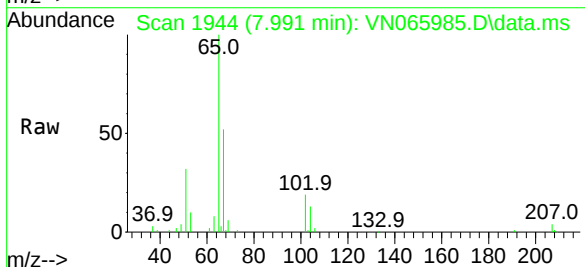
RT: 7.991 min Scan# 1944

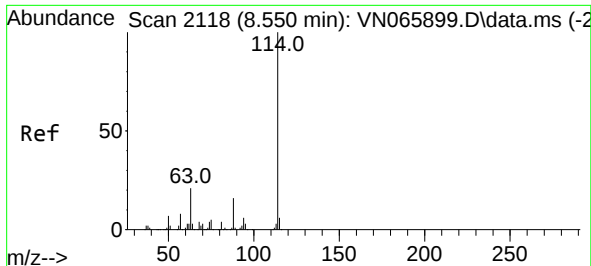
Delta R.T. 0.004 min

Lab File: VN065985.D

Acq: 23 Feb 2021 14:51

Tgt Ion:	65	Resp:	92765
Ion	Ratio	Lower	Upper
65	100		
67	51.5	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: VN065985.D

Acq: 23 Feb 2021 14:51

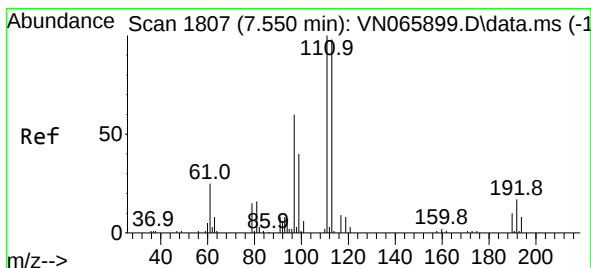
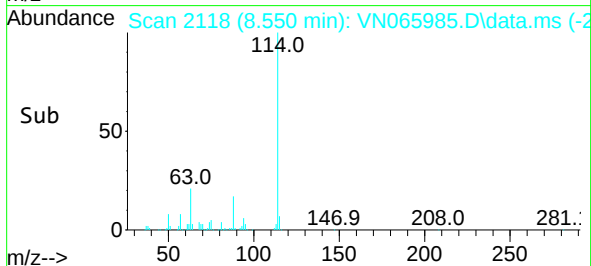
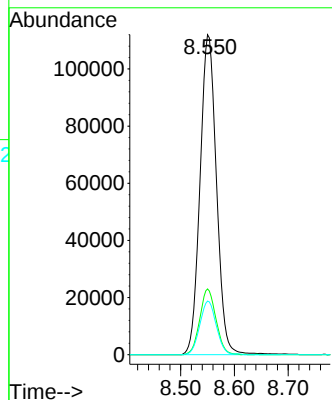
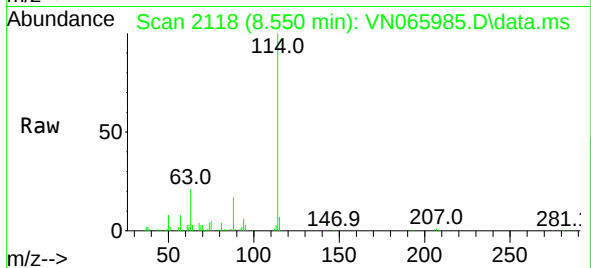
Tgt Ion:114 Resp: 237880

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.6

88 16.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.16 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065985.D

Acq: 23 Feb 2021 14:51

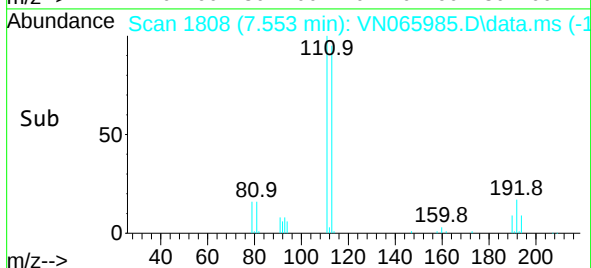
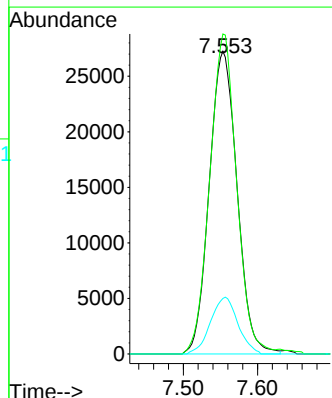
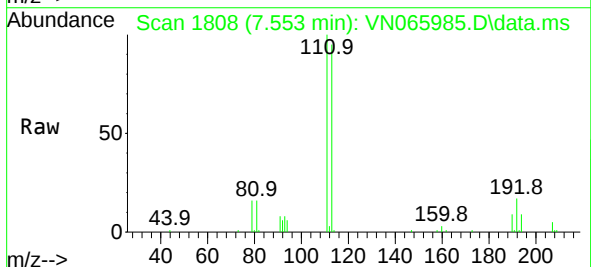
Tgt Ion:113 Resp: 70901

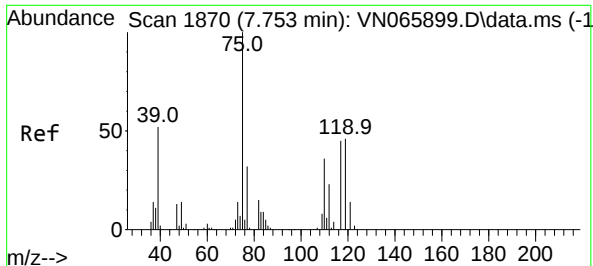
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

192 18.5 15.4 23.0



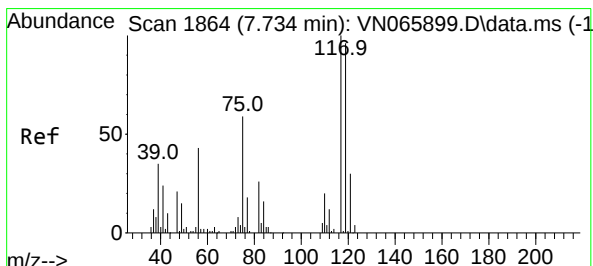
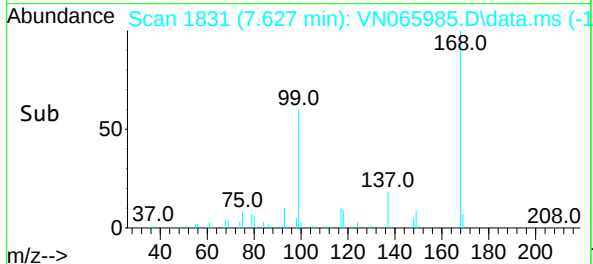
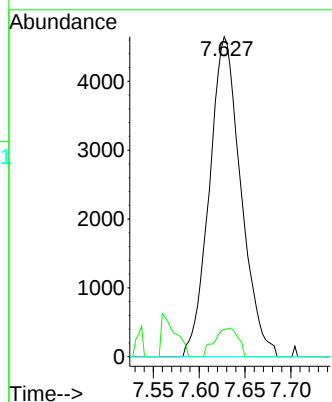
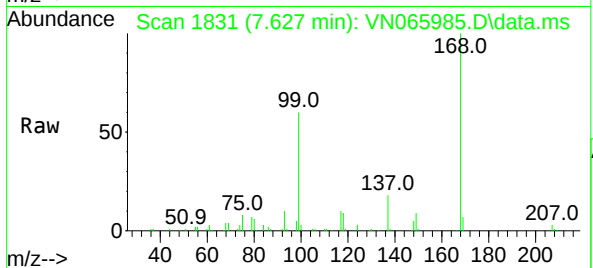


#36

1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

Instrument :
MSVOA_N
ClientSampled :

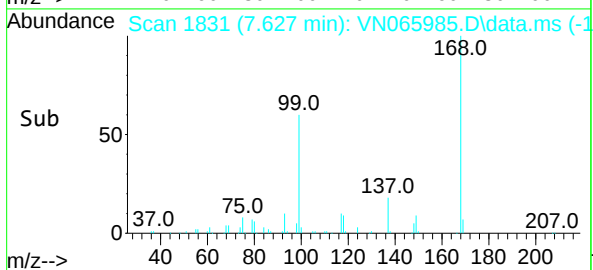
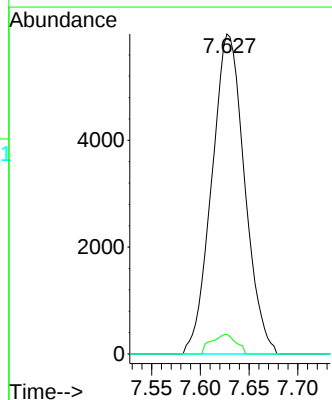
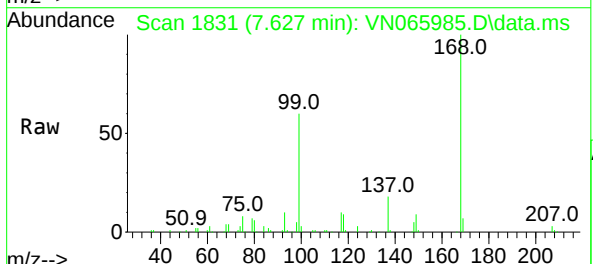
Tgt Ion: 75 Resp: 11126
Ion Ratio Lower Upper
75 100
110 6.7 18.2 54.6#
77 0.0 24.9 37.3#

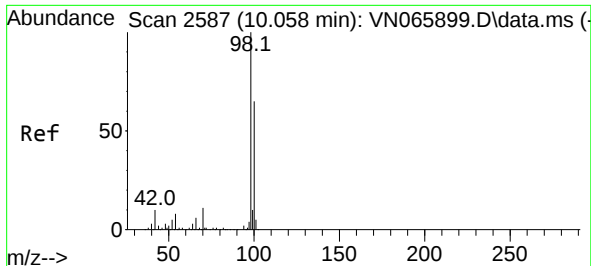


#38

Carbon Tetrachloride
Concen: 6.44 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

Tgt Ion: 117 Resp: 14031
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.5 36.7#

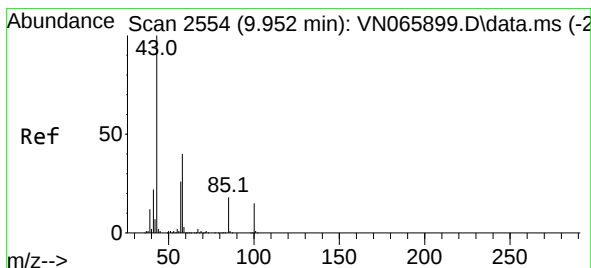
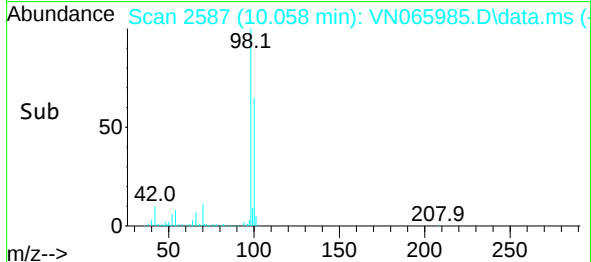
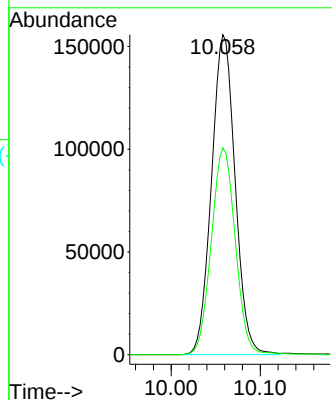
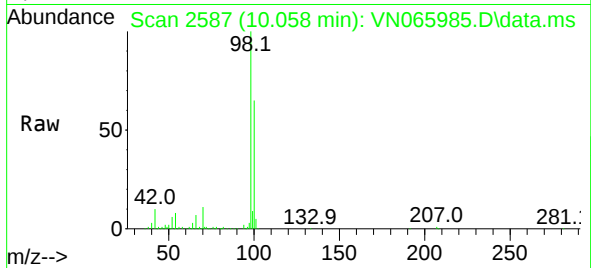




#50
Toluene-d8
Concen: 47.50 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

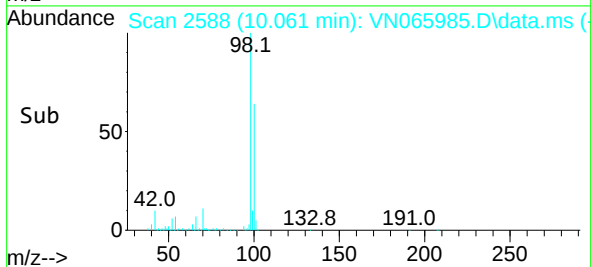
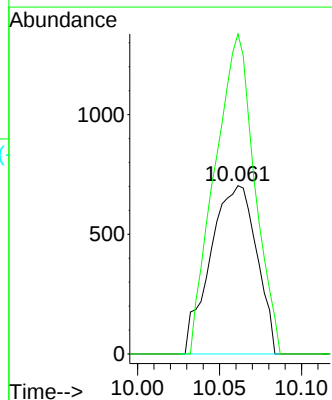
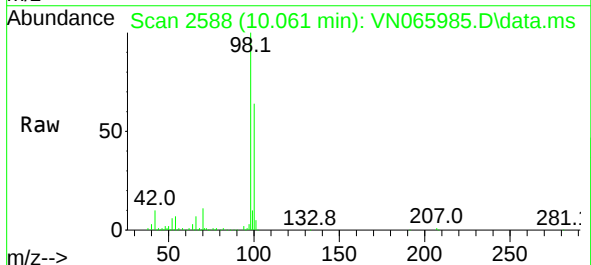
Instrument :
MSVOA_N
ClientSampled :

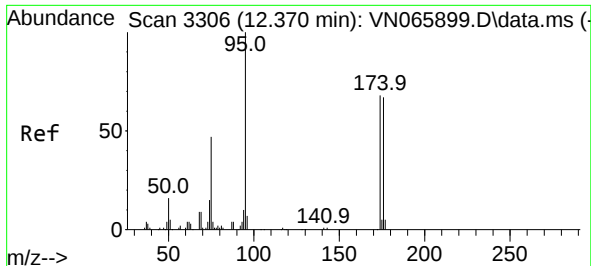
Tgt Ion: 98 Resp: 287028
Ion Ratio Lower Upper
98 100
100 65.7 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.67 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.109 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
58 163.7 32.5 48.7#

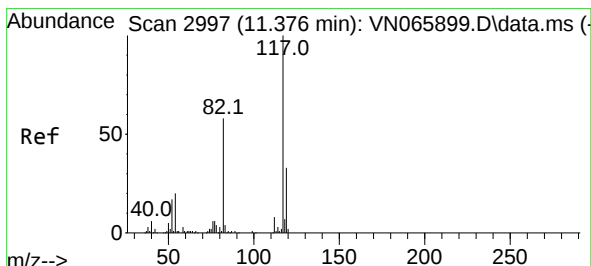
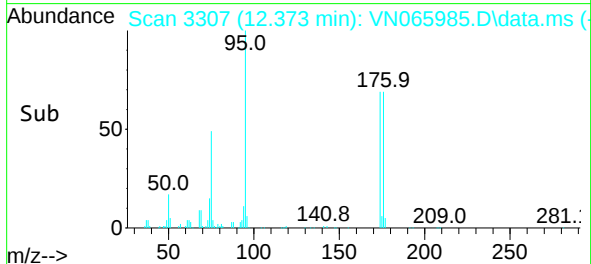
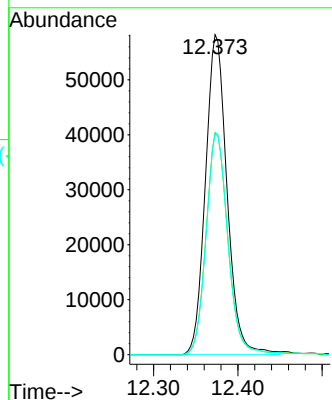
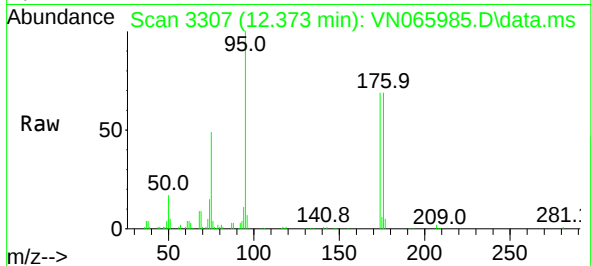




#62
4-Bromofluorobenzene
Concen: 45.76 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

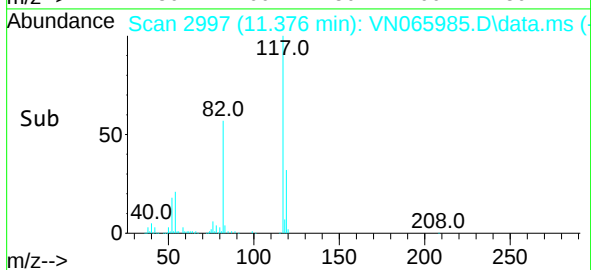
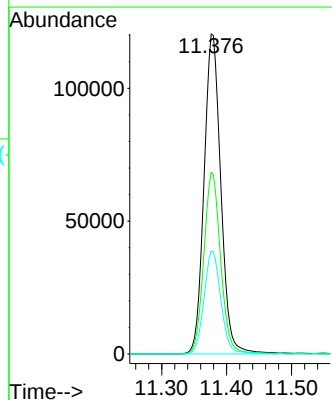
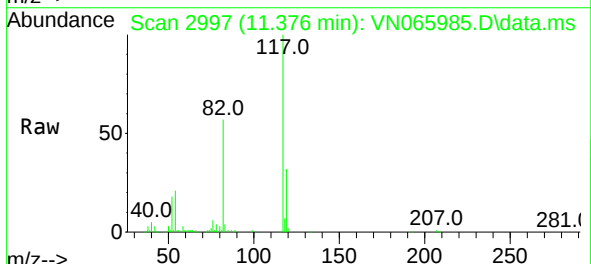
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ClientSampleId :

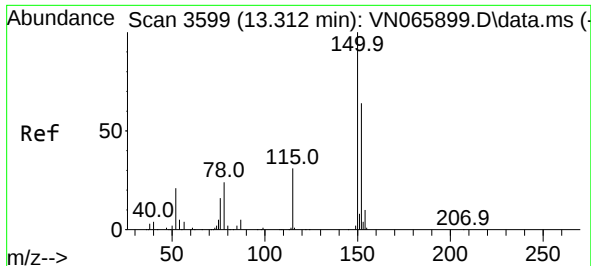
Tgt Ion: 95 Resp: 103820
Ion Ratio Lower Upper
95 100
174 70.6 0.0 169.0
176 69.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

Tgt Ion: 117 Resp: 217132
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 32.1 26.1 39.1

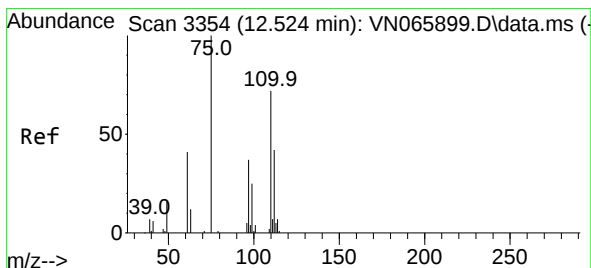
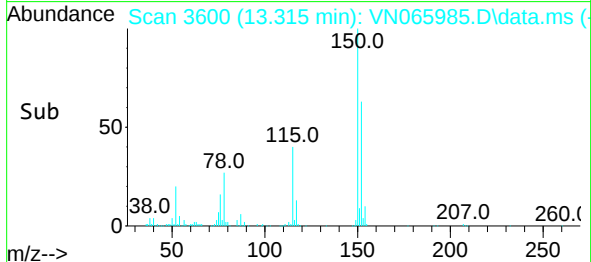
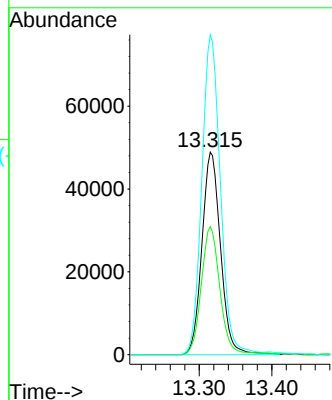
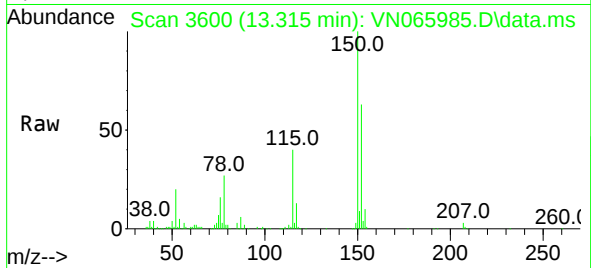




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN065985.D
 Acq: 23 Feb 2021 14:51

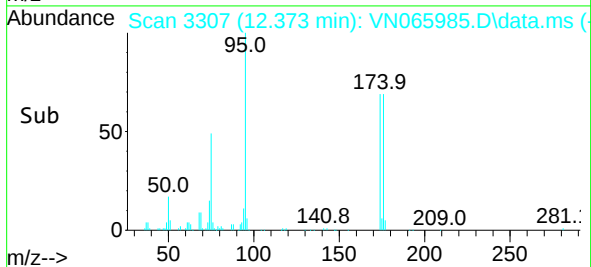
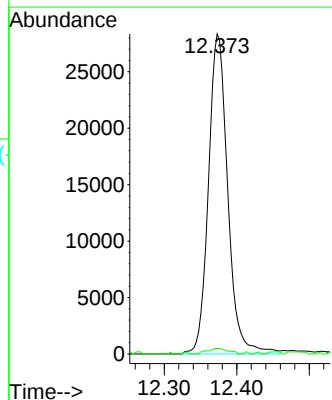
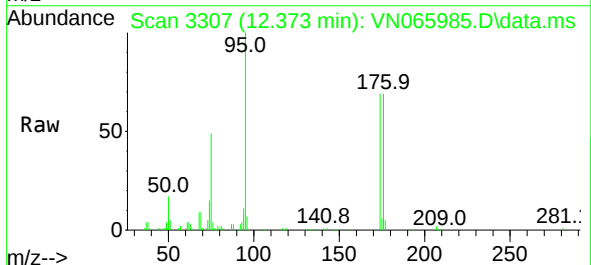
Instrument :
 MSVOA_N
 ClientSampled :

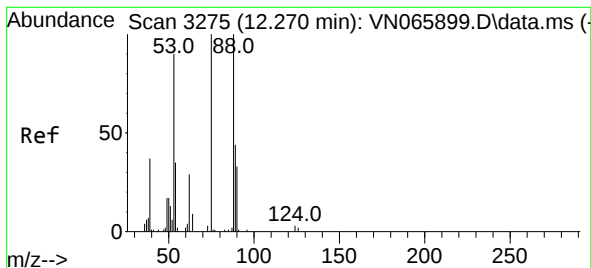
Tgt Ion:152 Resp: 87237
 Ion Ratio Lower Upper
 152 100
 115 63.0 28.5 85.6
 150 157.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 25.02 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN065985.D
 Acq: 23 Feb 2021 14:51

Tgt Ion: 75 Resp: 52443
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

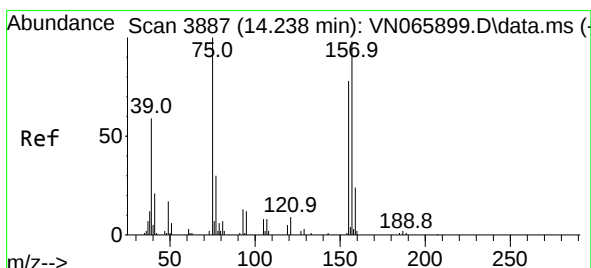
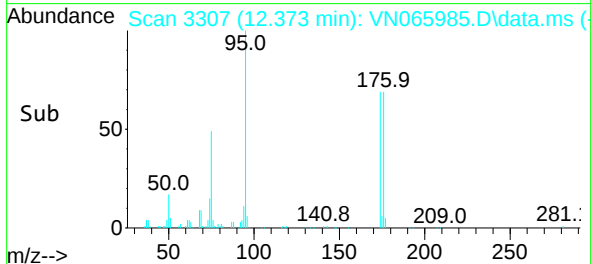
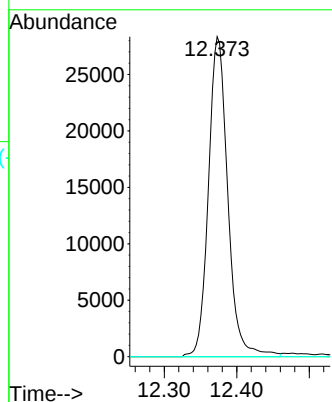
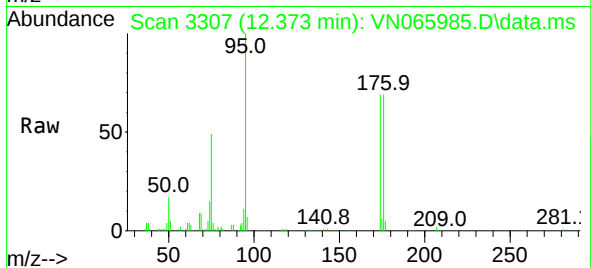




#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.75 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.103 min
 Lab File: VN065985.D
 Acq: 23 Feb 2021 14:51

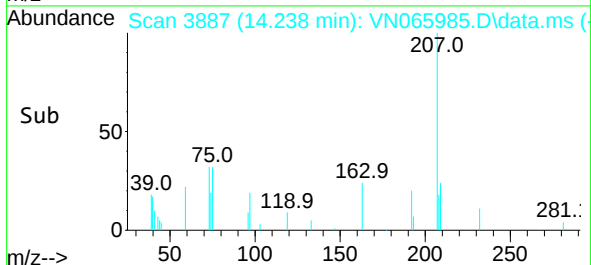
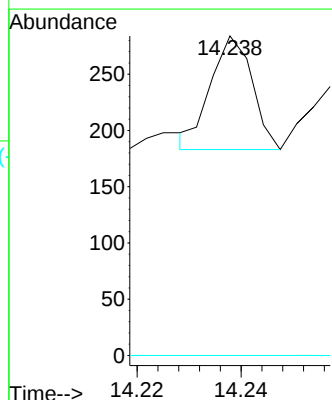
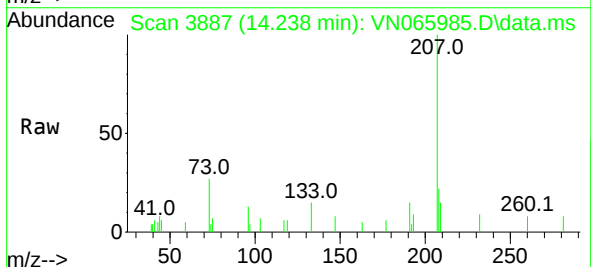
Instrument :
 MSVOA_N
 ClientSampled :

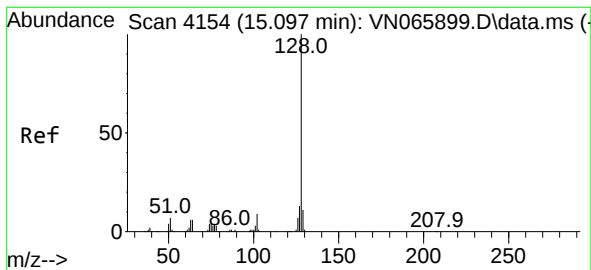
Tgt Ion: 75 Resp: 52443
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.0 35.8 53.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.98 ug/l
 RT: 14.238 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VN065985.D
 Acq: 23 Feb 2021 14:51

Tgt Ion: 75 Resp: 56
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.07 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN065985.D
Acq: 23 Feb 2021 14:51

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 64
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

