

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022421\
 Data File : VN065993.D
 Acq On : 24 Feb 2021 10:36
 Operator : JC/MD
 Sample : VN0224MBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 02:10:20 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	129017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	206972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	185437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	75396	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	82274	45.60	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.20%
35) Dibromofluoromethane	7.550	113	61886	48.31	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.62%
50) Toluene-d8	10.058	98	253846	48.28	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.56%
62) 4-Bromofluorobenzene	12.373	95	89004	45.09	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.18%

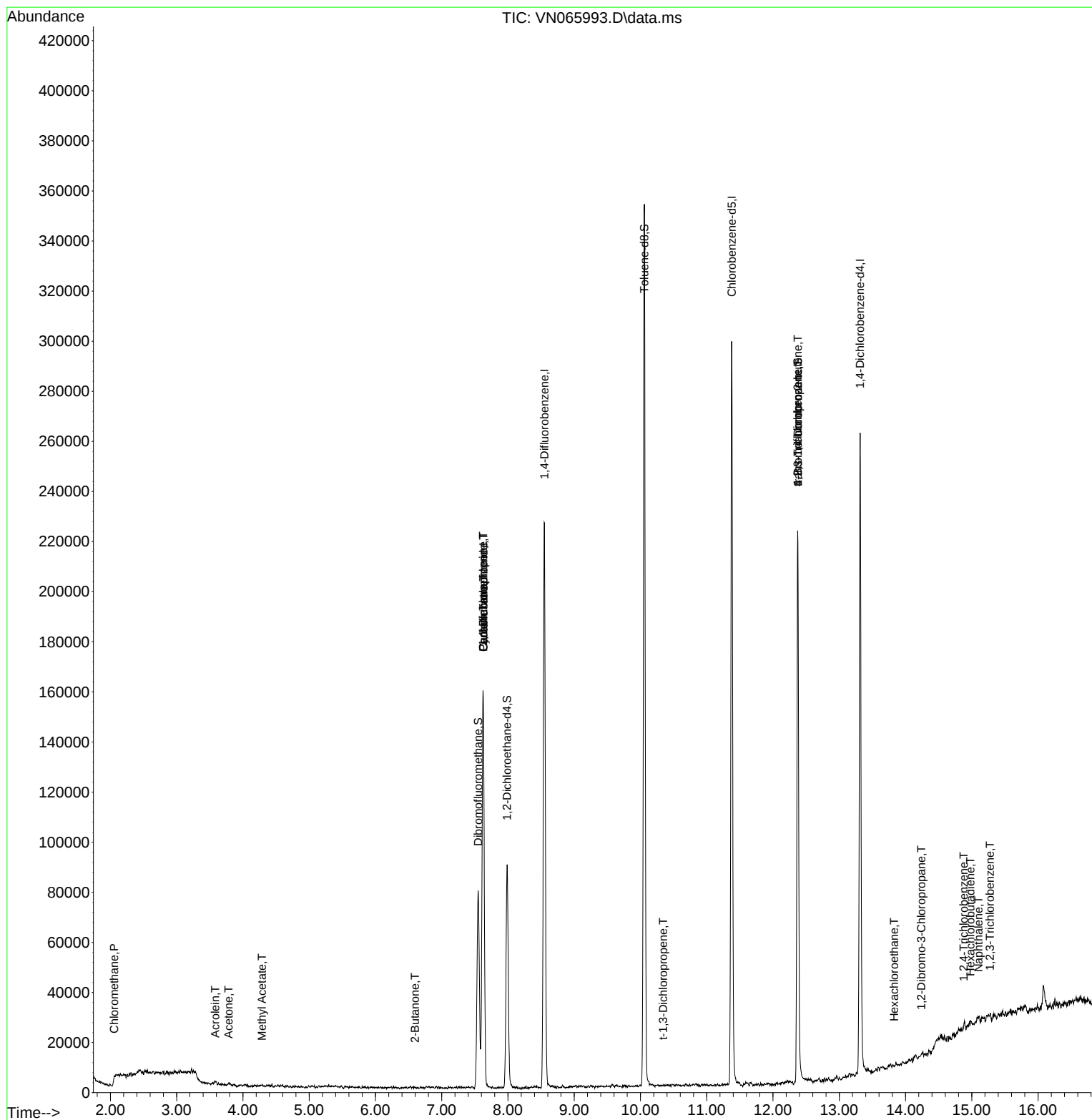
Target Compounds						Qvalue
3) Chloromethane	2.055	50	916	0.43	ug/l	91
13) Acrolein	3.582	56	1405	6.12	ug/l #	81
16) Acetone	3.782	43	1042	0.24	ug/l #	41
18) Methyl Acetate	4.287	43	330	0.22	ug/l #	51
25) 2-Butanone	6.598	43	289	0.32	ug/l #	46
31) Cyclohexane	7.627	56	2483	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	9860	4.83	ug/l #	45
38) Carbon Tetrachloride	7.627	117	12633	6.66	ug/l #	15
53) t-1,3-Dichloropropene	10.341	75	93	2.02	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	44763	24.71	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	44763	78.76	ug/l #	12
90) Hexachloroethane	13.830	117	223	0.26	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.238	75	95	1.11	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.878	180	480	2.80	ug/l #	82
94) Hexachlorobutadiene	14.981	225	297	0.51	ug/l	80
95) Naphthalene	15.100	128	2494	3.59	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.276	180	612	2.60	ug/l	78

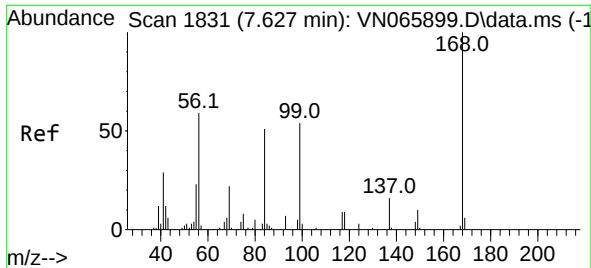
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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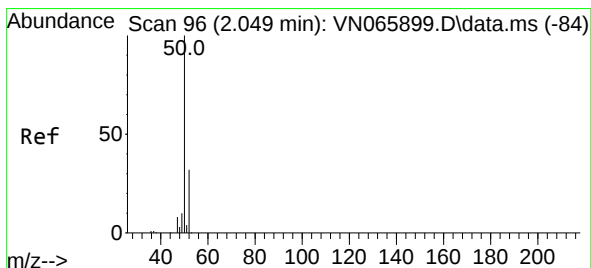
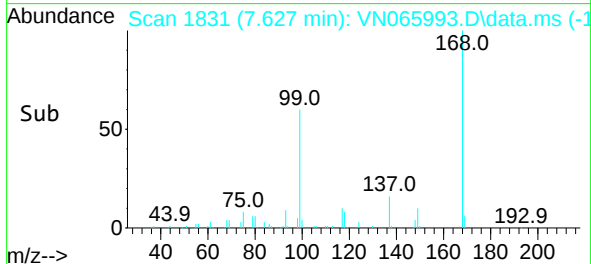
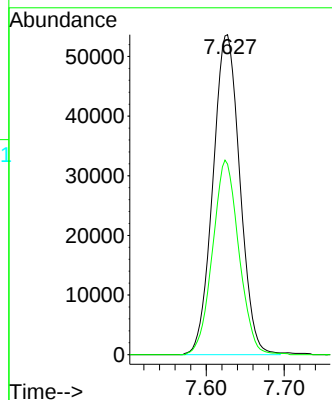
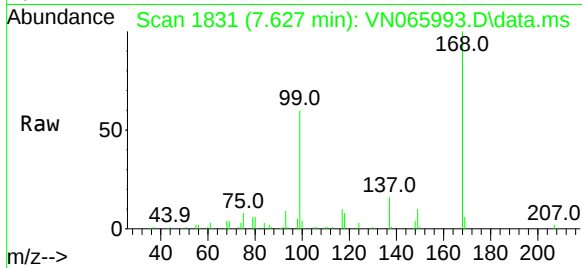




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

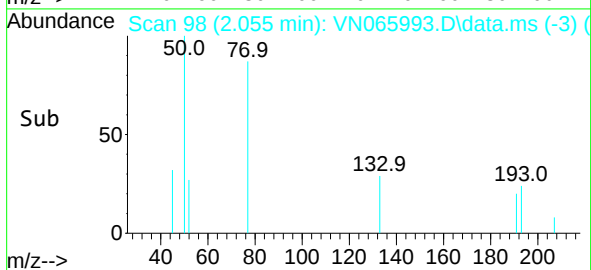
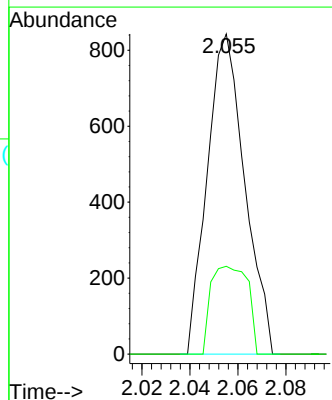
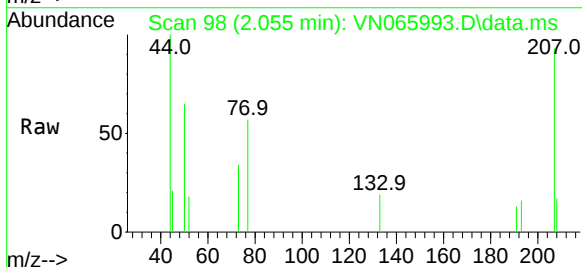
Instrument :
MSVOA_N
ClientSampled :

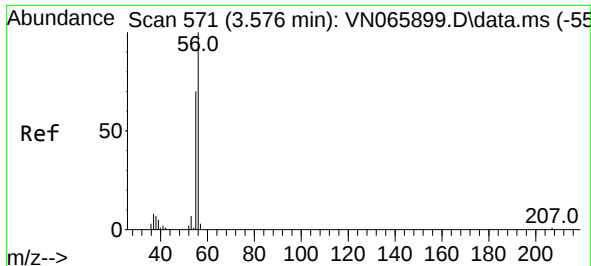
Tgt Ion:168 Resp: 129017
Ion Ratio Lower Upper
168 100
99 59.5 42.6 63.8



#3
Chloromethane
Concen: 0.43 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

Tgt Ion: 50 Resp: 916
Ion Ratio Lower Upper
50 100
52 27.4 25.8 38.8

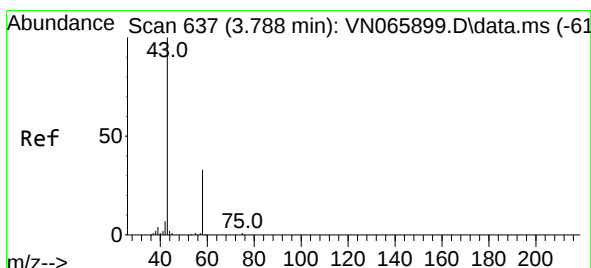
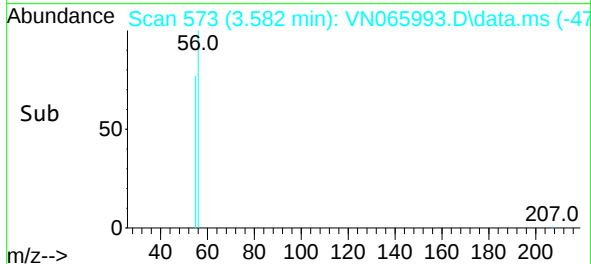
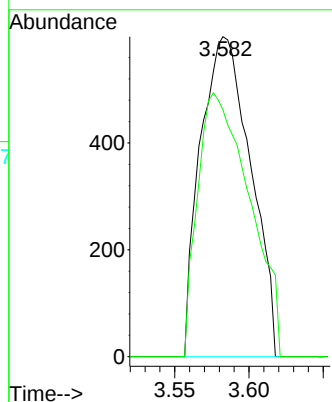
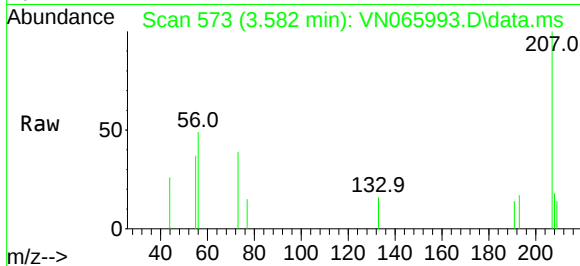




#13
Acrolein
Concen: 6.12 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.006 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

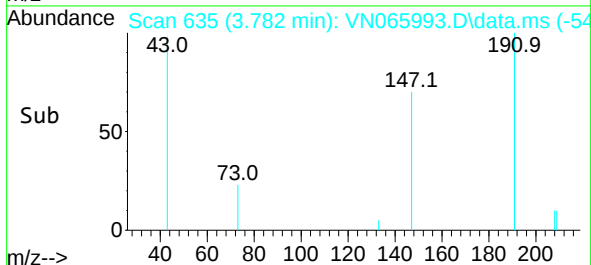
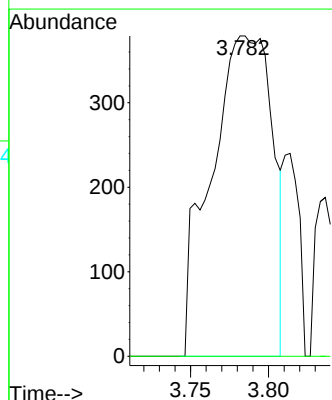
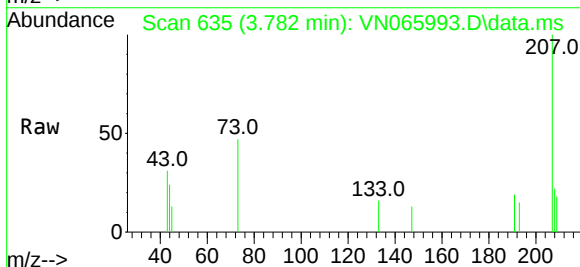
Instrument :
MSVOA_N
ClientSampled :

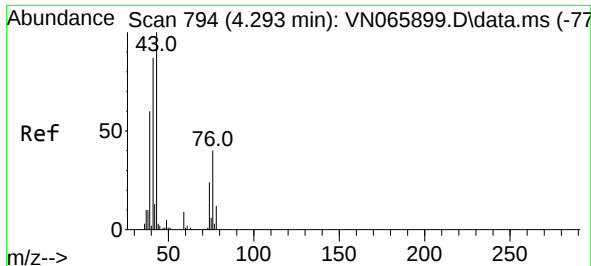
Tgt Ion: 56 Resp: 1405
Ion Ratio Lower Upper
56 100
55 85.7 56.0 84.0#



#16
Acetone
Concen: 0.24 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.006 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#

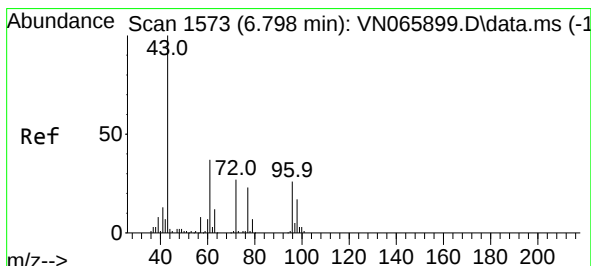
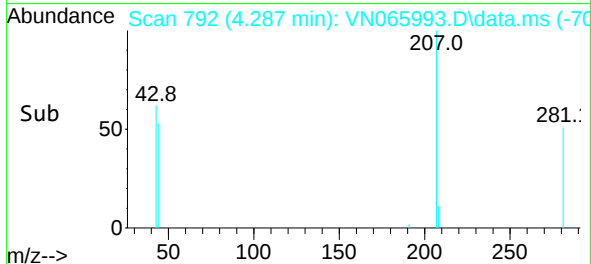
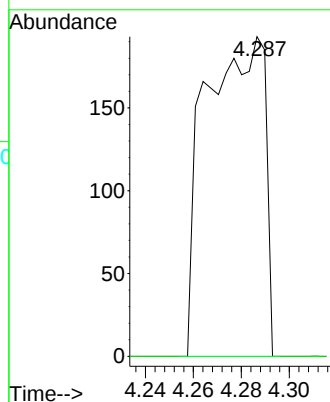
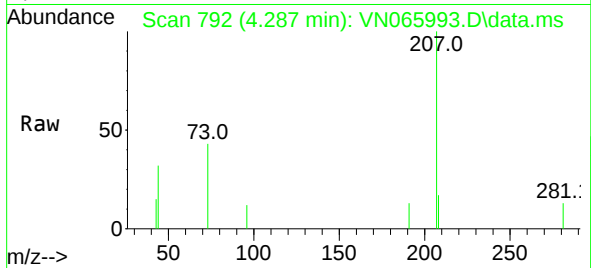




#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 4.287 min Scan# 792
Delta R.T. -0.006 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

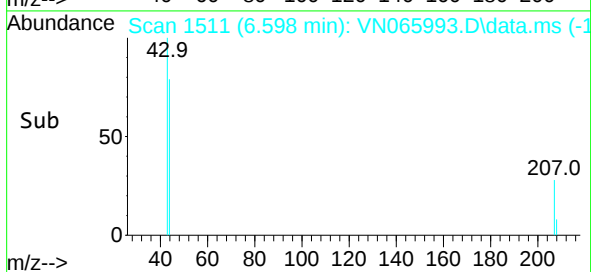
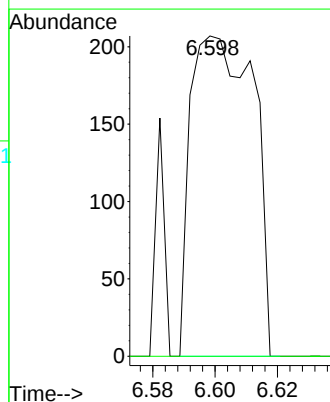
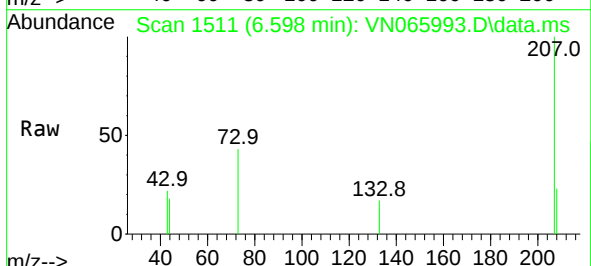
Instrument :
MSVOA_N
ClientSampled :

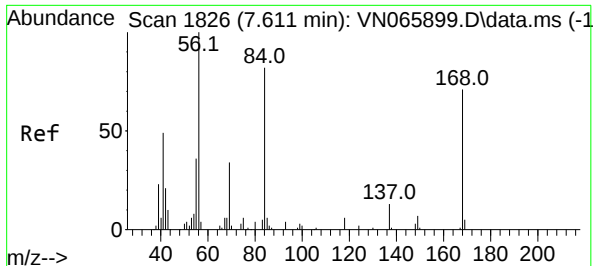
Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#25
2-Butanone
Concen: 0.32 ug/l
RT: 6.598 min Scan# 1511
Delta R.T. -0.200 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. 0.016 min

Lab File: VN065993.D

Acq: 24 Feb 2021 10:36

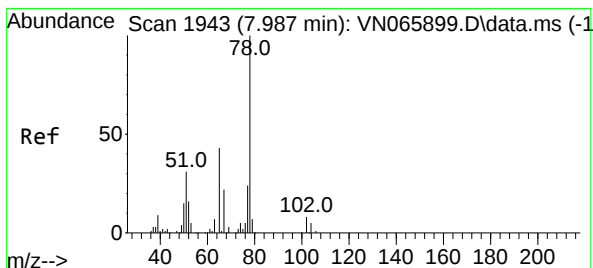
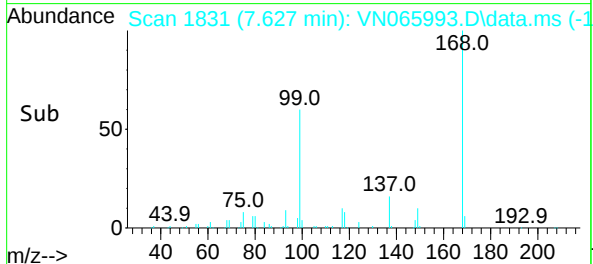
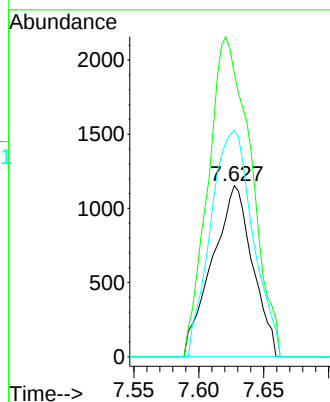
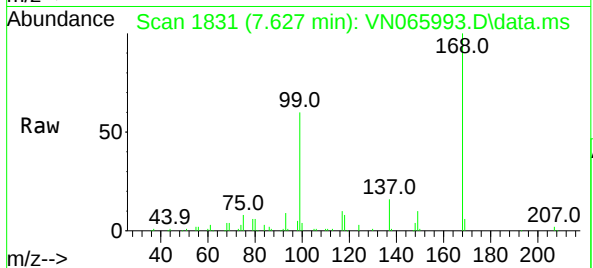
Tgt Ion: 56 Resp: 2483

Ion Ratio Lower Upper

56 100

69 165.5 26.6 39.8#

84 132.4 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 45.60 ug/l

RT: 7.987 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN065993.D

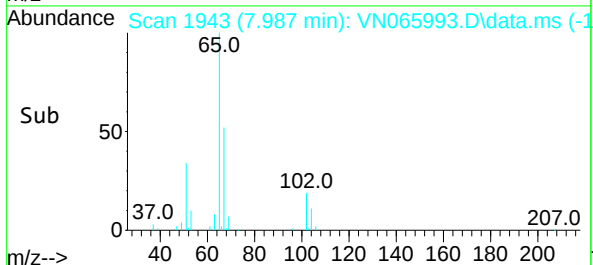
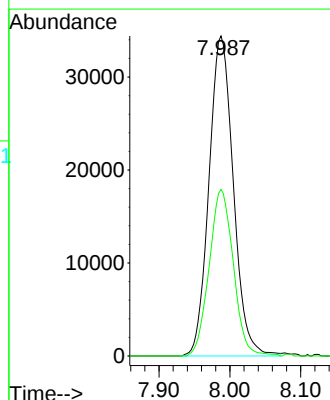
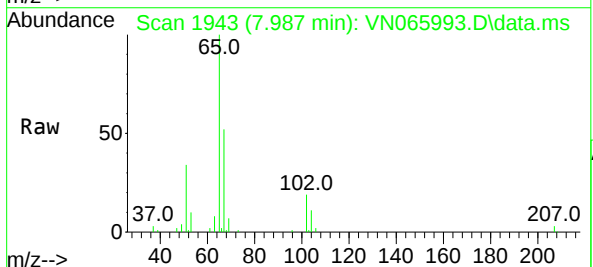
Acq: 24 Feb 2021 10:36

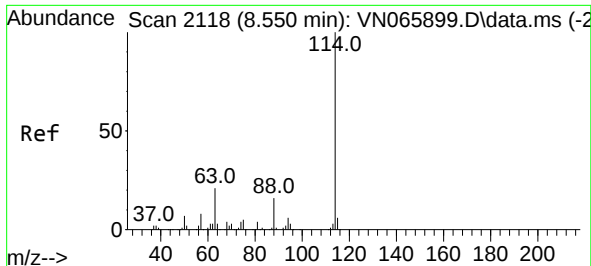
Tgt Ion: 65 Resp: 82274

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.2



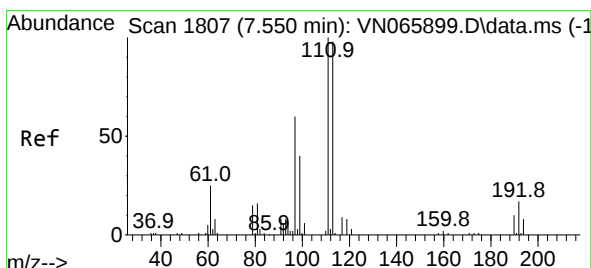
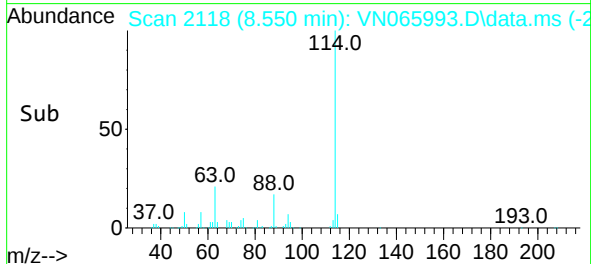
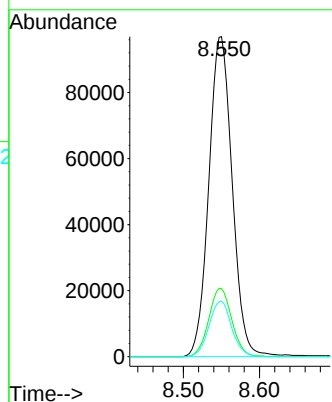
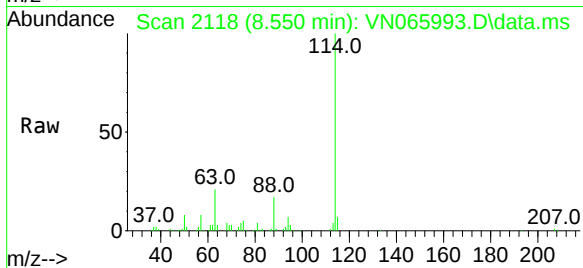


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

Instrument :
MSVOA_N
ClientSampled :

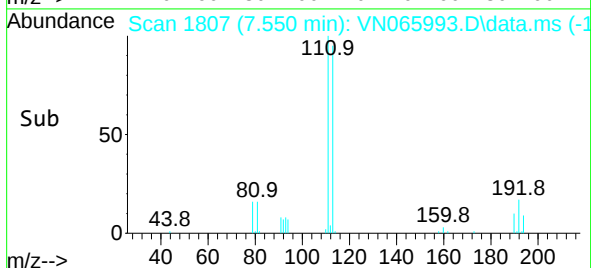
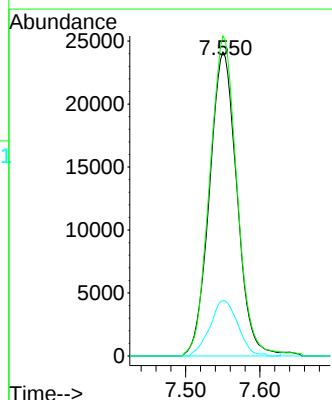
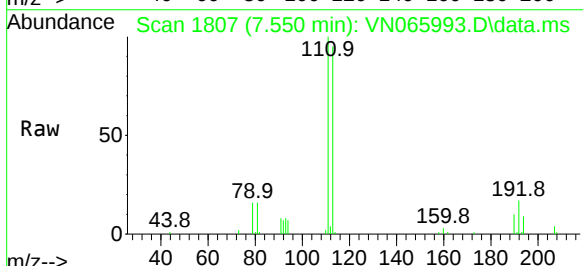
Tgt Ion:114 Resp: 206972
Ion Ratio Lower Upper
114 100
63 21.4 0.0 38.6
88 17.3 0.0 30.6

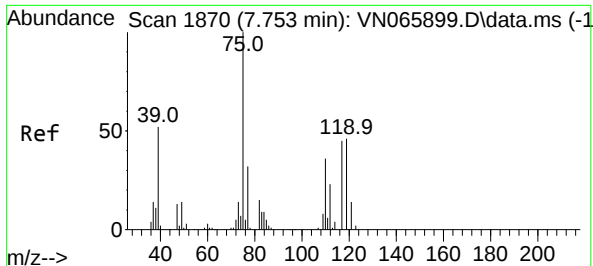


#35

Dibromofluoromethane
Concen: 48.31 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

Tgt Ion:113 Resp: 61886
Ion Ratio Lower Upper
113 100
111 104.8 82.2 123.2
192 18.6 15.4 23.0

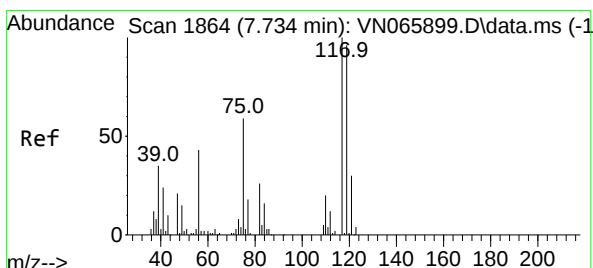
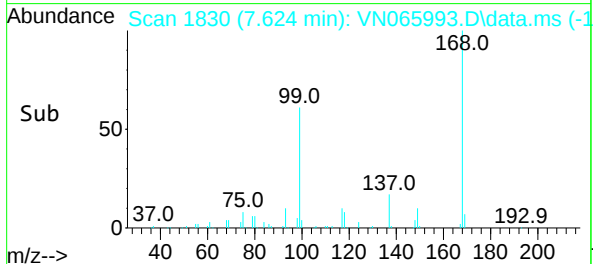
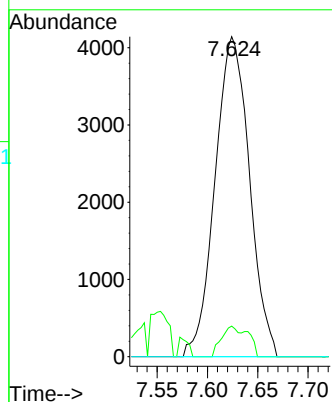
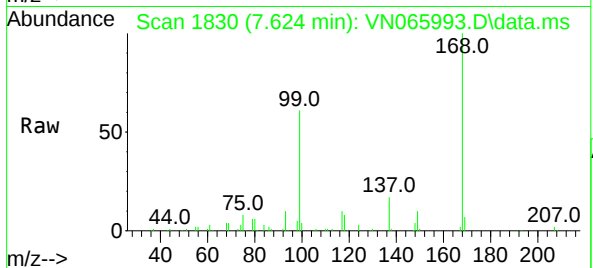




#36
1,1-Dichloropropene
Concen: 4.83 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

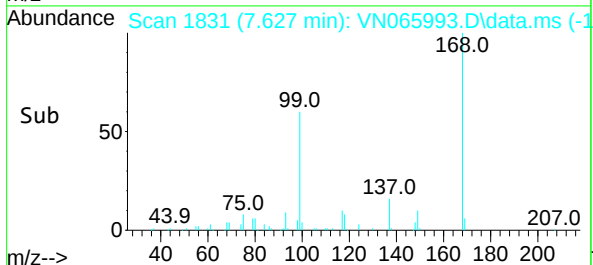
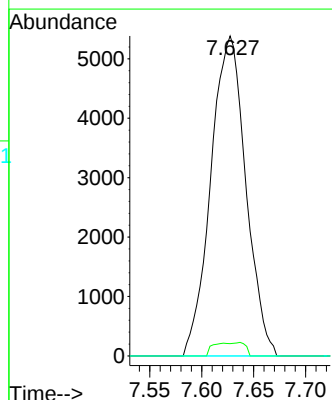
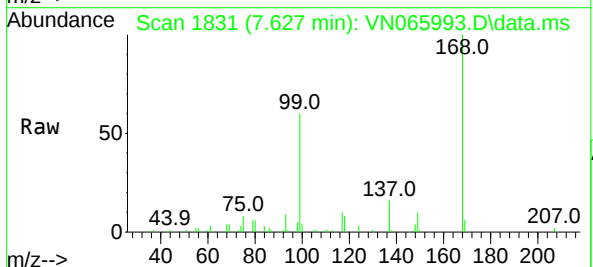
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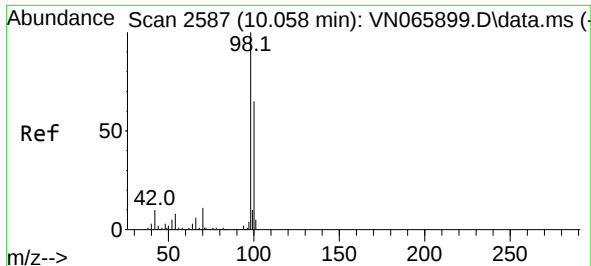
Tgt Ion: 75 Resp: 9860
Ion Ratio Lower Upper
75 100
110 5.2 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.66 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

Tgt Ion: 117 Resp: 12633
Ion Ratio Lower Upper
117 100
119 3.8 76.0 114.0#
121 0.0 24.5 36.7#

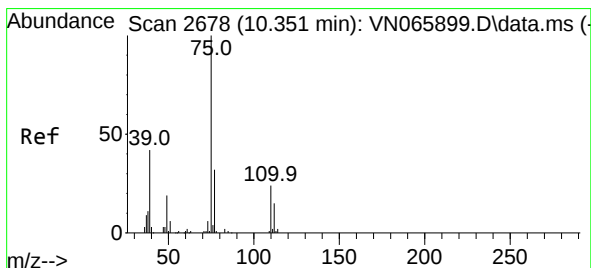
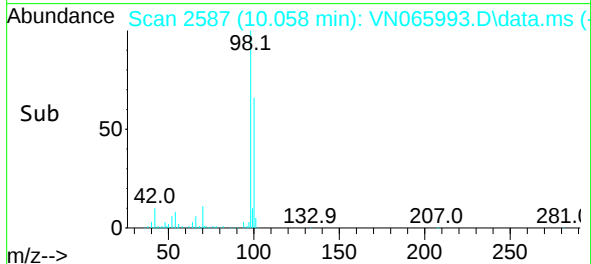
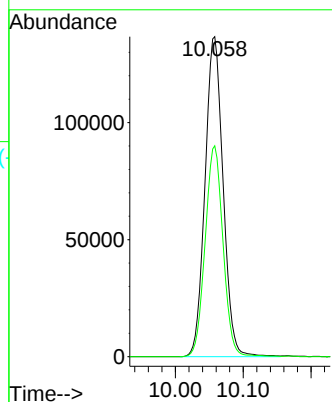
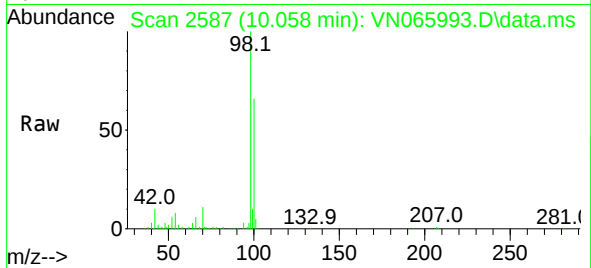




#50
Toluene-d8
Concen: 48.28 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

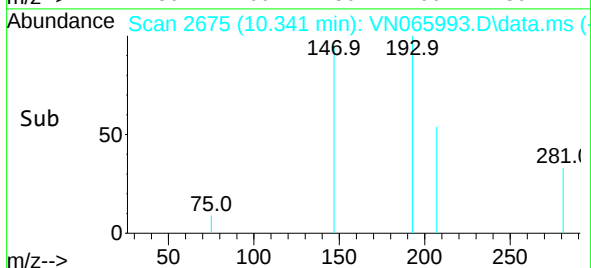
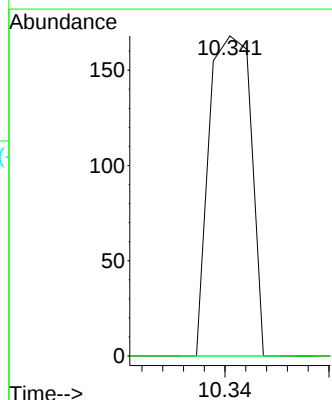
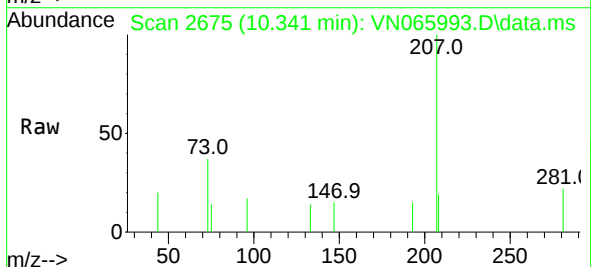
Instrument :
MSVOA_N
ClientSampled :

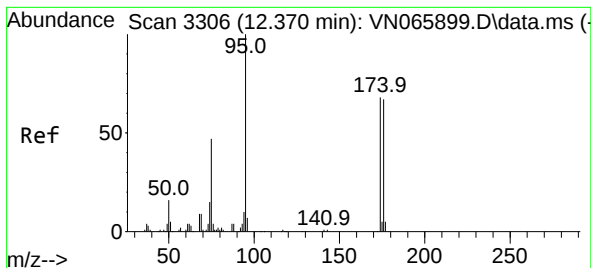
Tgt Ion: 98 Resp: 253846
Ion Ratio Lower Upper
98 100
100 65.1 50.5 75.7



#53
t-1,3-Dichloropropene
Concen: 2.02 ug/l
RT: 10.341 min Scan# 2675
Delta R.T. -0.010 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

Tgt Ion: 75 Resp: 93
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#

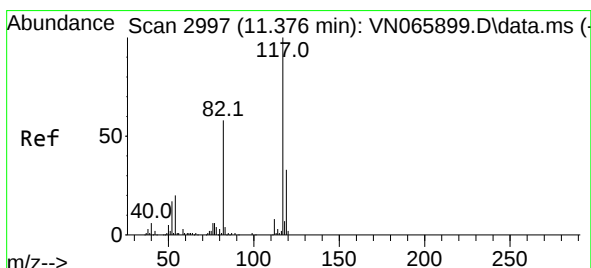
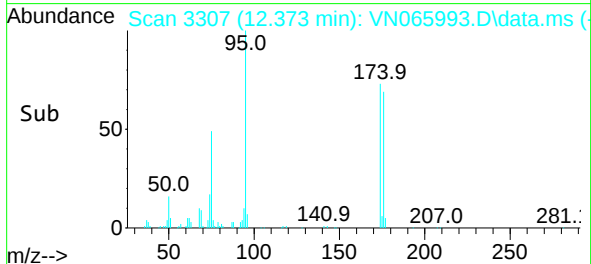
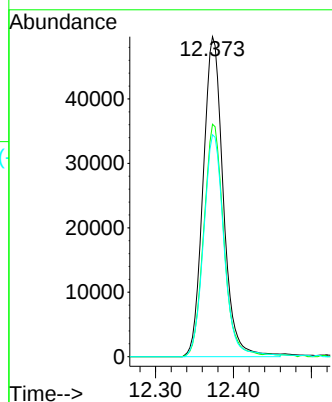
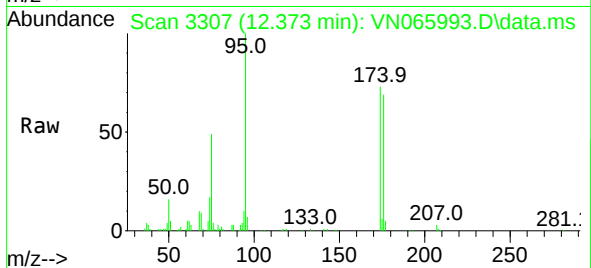




#62
4-Bromofluorobenzene
Concen: 45.09 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

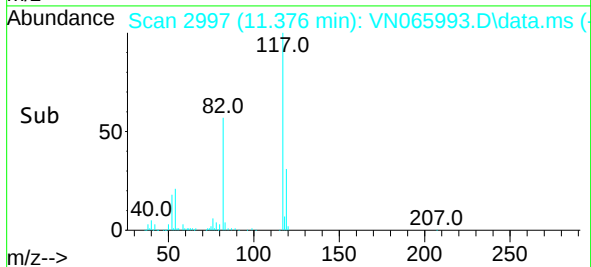
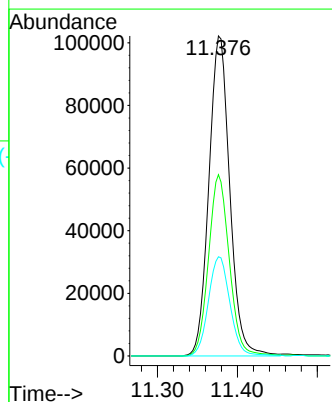
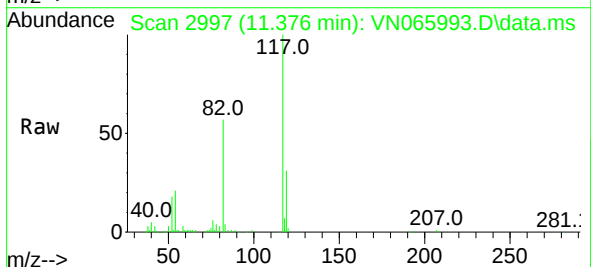
Instrument :
MSVOA_N
ClientSampleId :

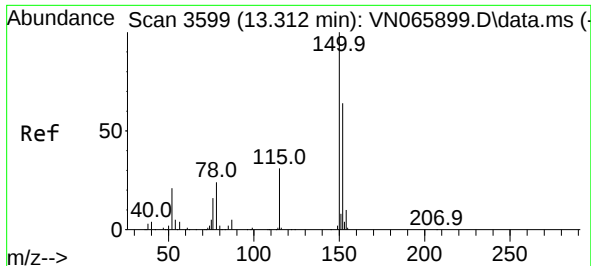
Tgt Ion: 95 Resp: 89004
Ion Ratio Lower Upper
95 100
174 72.1 0.0 169.0
176 70.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

Tgt Ion: 117 Resp: 185437
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 31.0 26.1 39.1

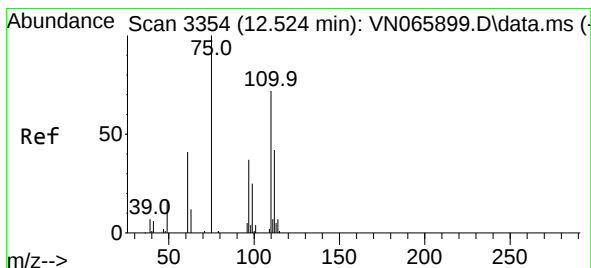
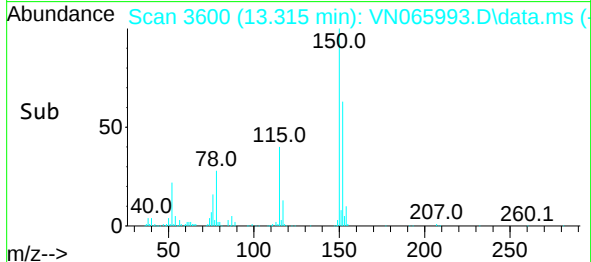
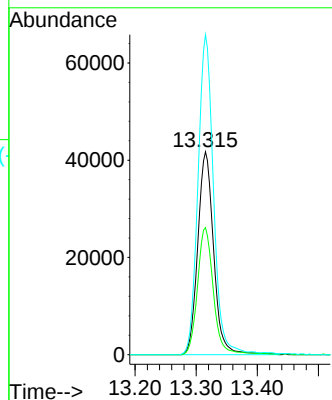
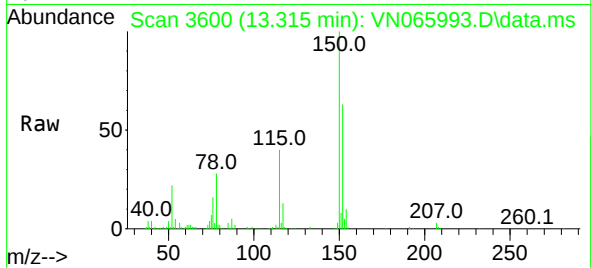




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN065993.D
 Acq: 24 Feb 2021 10:36

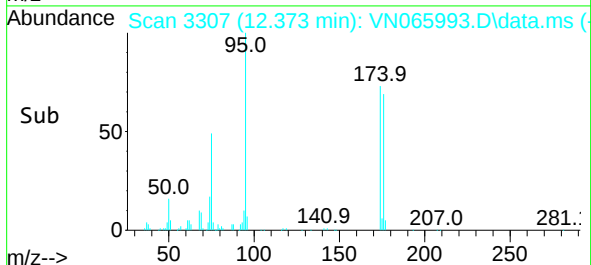
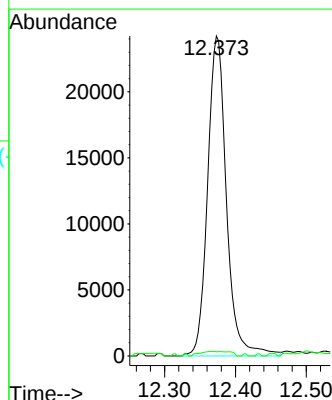
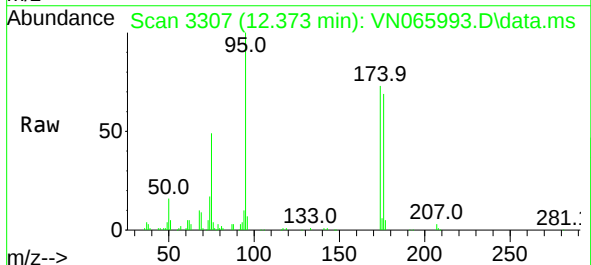
Instrument :
 MSVOA_N
 ClientSampleId :

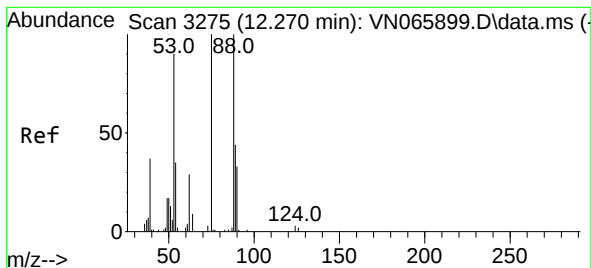
Tgt Ion:152 Resp: 75396
 Ion Ratio Lower Upper
 152 100
 115 62.4 28.5 85.6
 150 153.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 24.71 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN065993.D
 Acq: 24 Feb 2021 10:36

Tgt Ion: 75 Resp: 44763
 Ion Ratio Lower Upper
 75 100
 77 2.3 0.0 0.0#

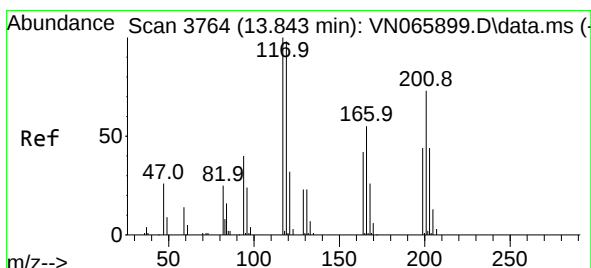
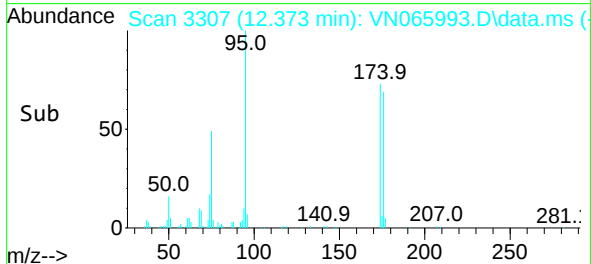
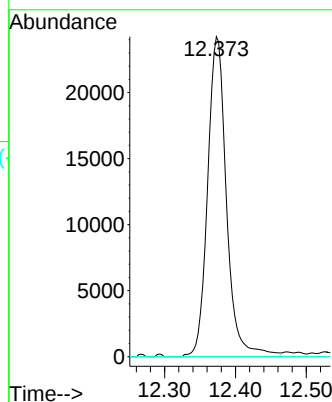
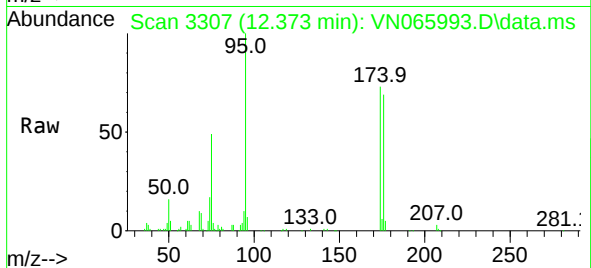




#81
trans-1,4-Dichloro-2-butene
Concen: 78.76 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

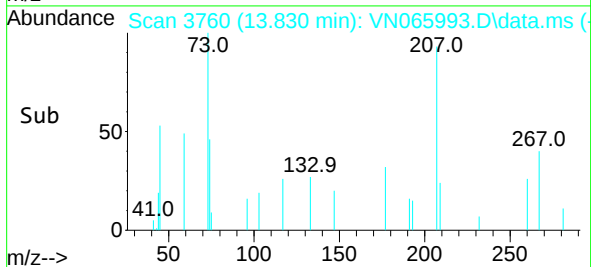
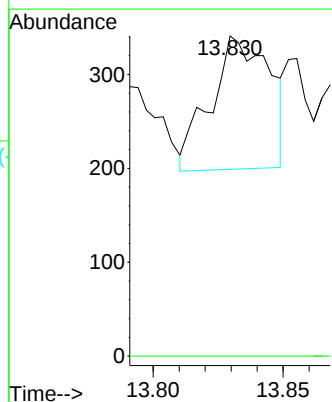
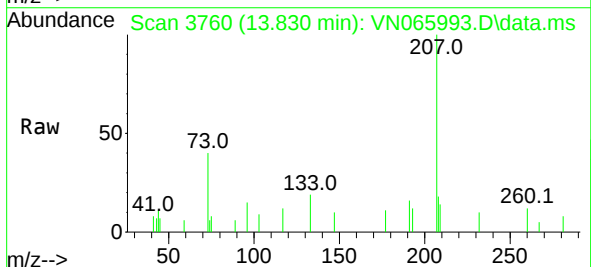
Instrument :
MSVOA_N
ClientSampled :

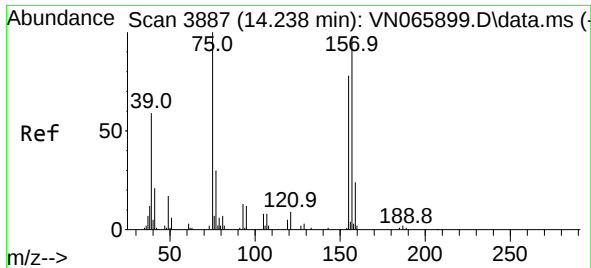
Tgt Ion: 75 Resp: 44763
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#90
Hexachloroethane
Concen: 0.26 ug/l
RT: 13.830 min Scan# 3760
Delta R.T. -0.013 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

Tgt Ion: 117 Resp: 223
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#

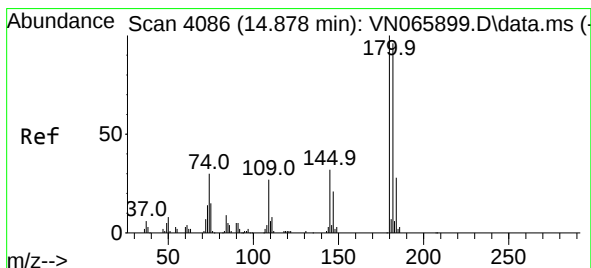
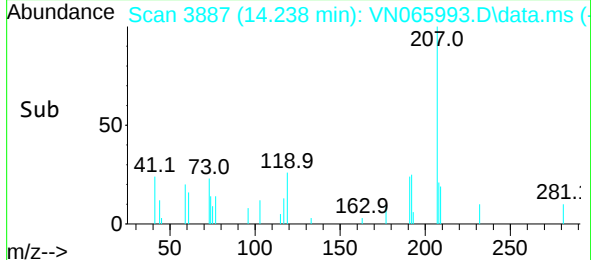
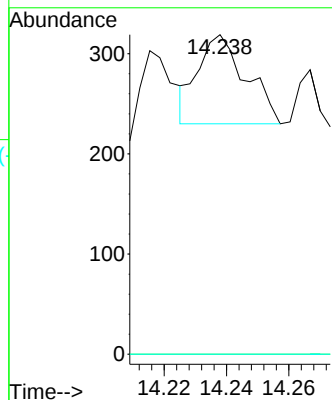
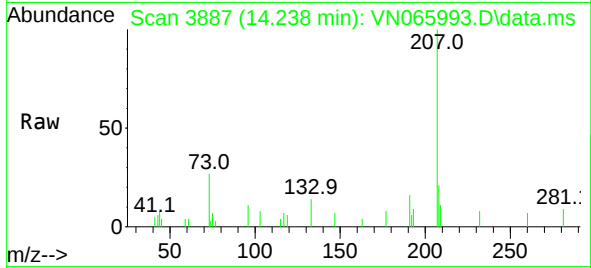




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.11 ug/l
 RT: 14.238 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VN065993.D
 Acq: 24 Feb 2021 10:36

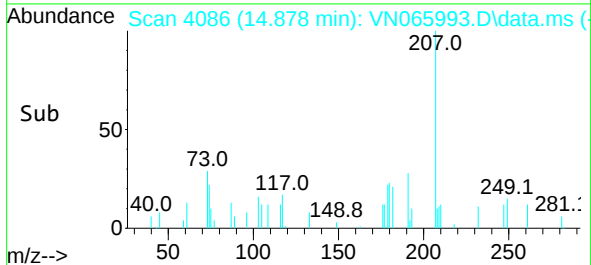
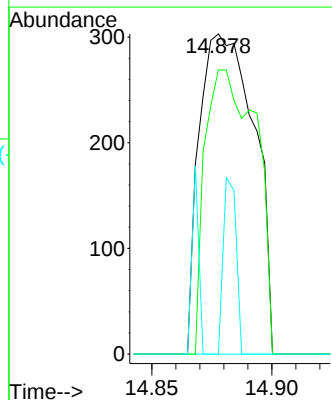
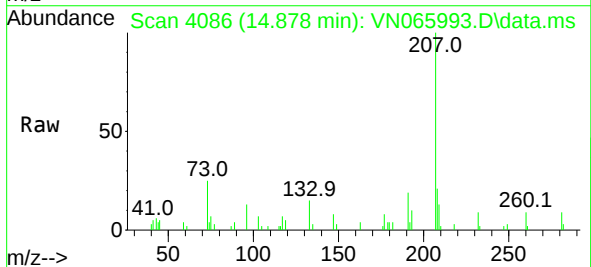
Instrument :
 MSVOA_N
 ClientSampled :

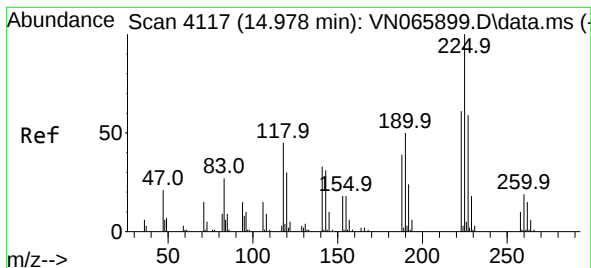
Tgt Ion: 75 Resp: 95
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.80 ug/l
 RT: 14.878 min Scan# 4086
 Delta R.T. -0.000 min
 Lab File: VN065993.D
 Acq: 24 Feb 2021 10:36

Tgt Ion:180 Resp: 480
 Ion Ratio Lower Upper
 180 100
 182 82.7 47.3 142.0
 145 12.9 15.6 46.8#

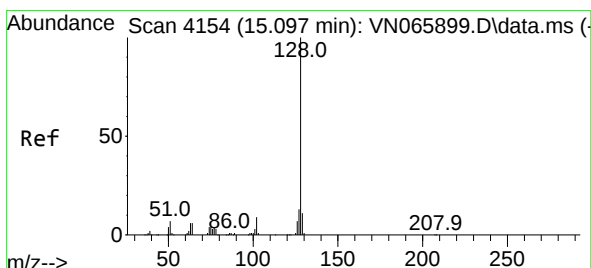
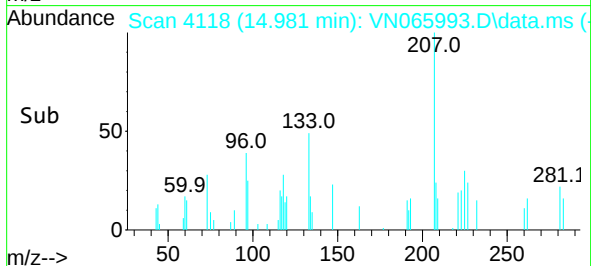
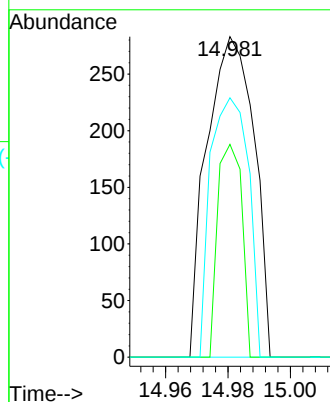
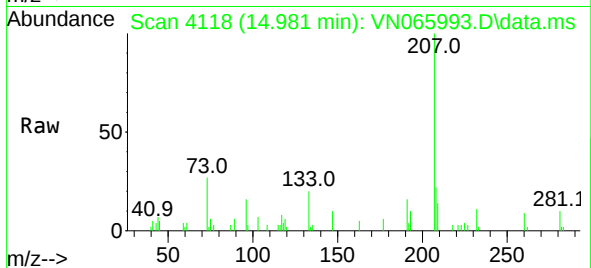




#94
Hexachlorobutadiene
Concen: 0.51 ug/l
RT: 14.981 min Scan# 4118
Delta R.T. 0.003 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

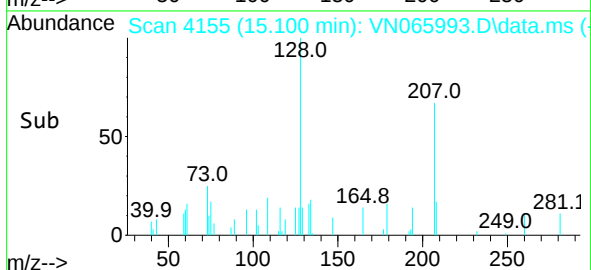
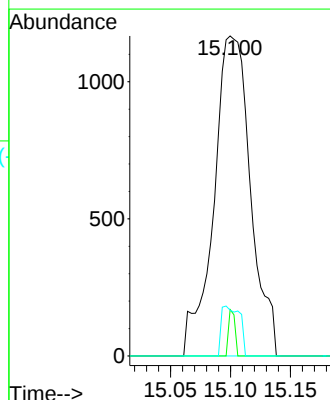
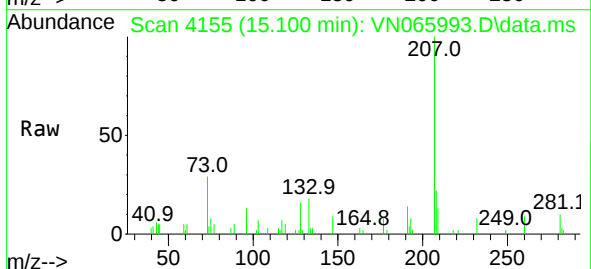
Instrument :
MSVOA_N
ClientSampled :

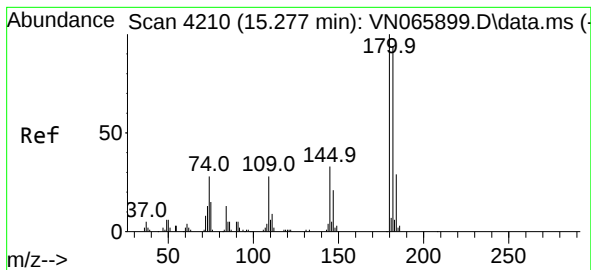
Tgt Ion:225 Resp: 297
Ion Ratio Lower Upper
225 100
223 34.0 31.9 95.9
227 65.0 31.6 95.0



#95
Naphthalene
Concen: 3.59 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN065993.D
Acq: 24 Feb 2021 10:36

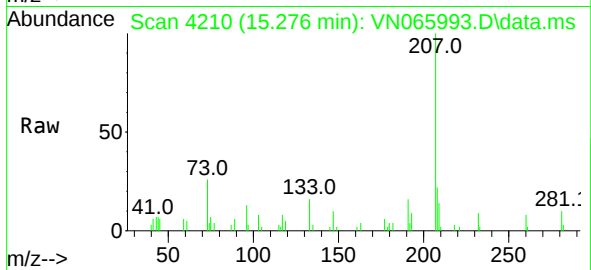
Tgt Ion:128 Resp: 2494
Ion Ratio Lower Upper
128 100
127 2.5 10.2 15.2#
129 7.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.60 ug/l
 RT: 15.276 min Scan# 4210
 Delta R.T. -0.001 min
 Lab File: VN065993.D
 Acq: 24 Feb 2021 10:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	612
Ion	Ratio	Lower	Upper
180	100		
182	70.9	47.4	142.3
145	25.8	16.5	49.5

