

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022421\
 Data File : VN066011.D
 Acq On : 24 Feb 2021 18:04
 Operator : JC/MD
 Sample : M1474-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 02:16:23 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)

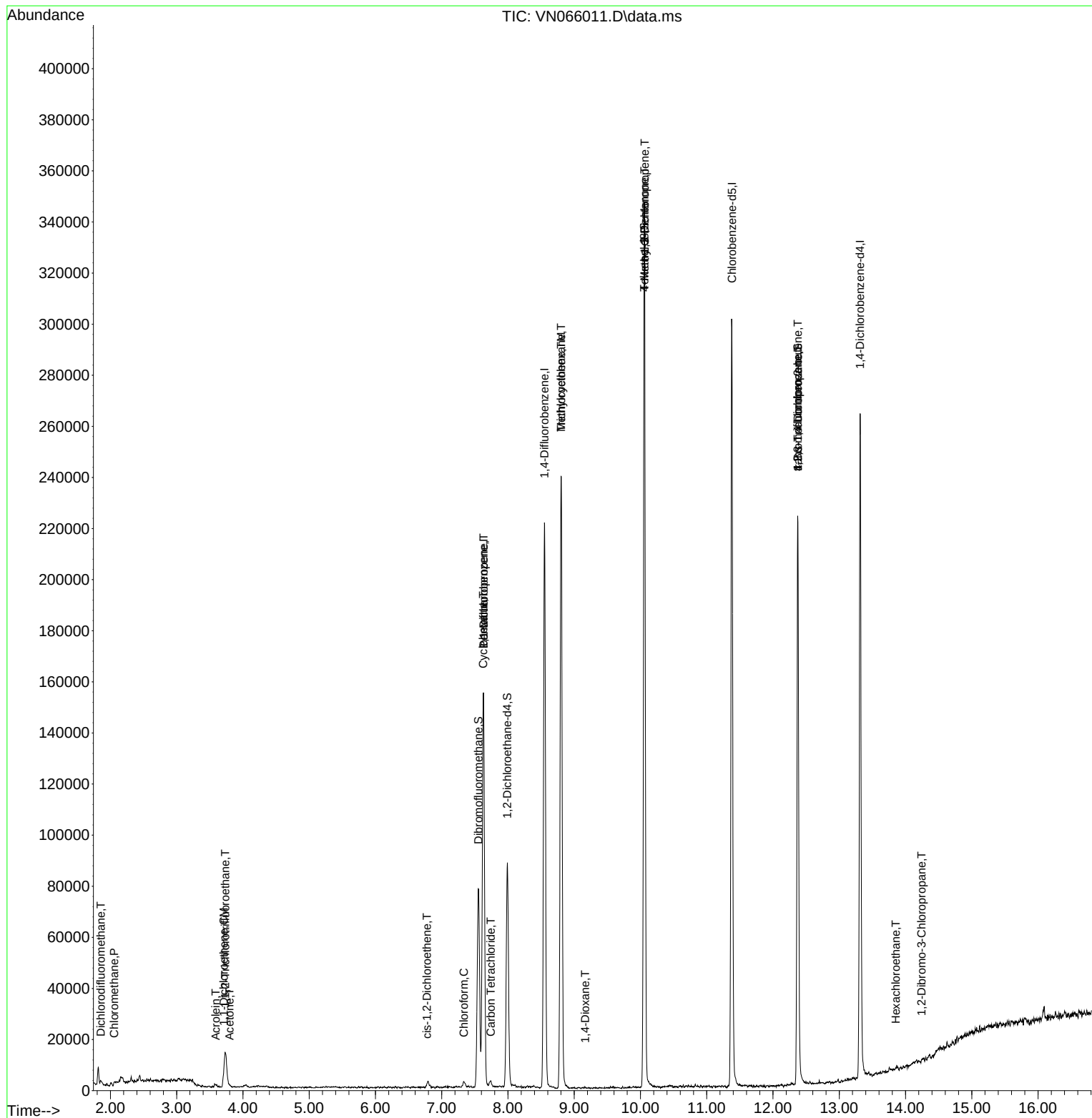
Internal Standards						
1) Pentafluorobenzene	7.630	168	124442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	200909	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	182938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	72020	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	81875	47.05	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.10%		
35) Dibromofluoromethane	7.553	113	61170	49.20	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.40%		
50) Toluene-d8	10.058	98	244339	47.87	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.74%		
62) 4-Bromofluorobenzene	12.373	95	88697	46.29	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.58%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.856	85	1500	0.92	ug/l	97
3) Chloromethane	2.055	50	857	0.42	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.733	101	7896	5.96	ug/l #	89
12) 1,1-Dichloroethene	3.711	96	2150	1.54	ug/l #	87
13) Acrolein	3.589	56	1221	5.51	ug/l #	58
16) Acetone	3.798	43	1813	1.72	ug/l #	87
27) cis-1,2-Dichloroethene	6.778	96	760	0.45	ug/l	33
30) Chloroform	7.335	83	2599	0.95	ug/l	96
31) Cyclohexane	7.624	56	2237	0.86	ug/l #	6
36) 1,1-Dichloropropene	7.630	75	9666	4.88	ug/l #	47
38) Carbon Tetrachloride	7.740	117	1848	1.00	ug/l	93
39) Methylcyclohexane	8.804	83	1066	0.48	ug/l #	1
44) Trichloroethene	8.804	130	90861	60.44	ug/l	99
49) 1,4-Dioxane	9.164	88	154	6.26	ug/l #	26
51) 4-Methyl-2-Pentanone	10.061	43	1119	0.65	ug/l #	1
53) t-1,3-Dichloropropene	10.064	75	30	1.99	ug/l #	75
76) 1,2,3-Trichloropropane	12.373	75	45240	26.15	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	45240	83.33	ug/l #	12
90) Hexachloroethane	13.855	117	307	0.37	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.241	75	61	1.02	ug/l #	1

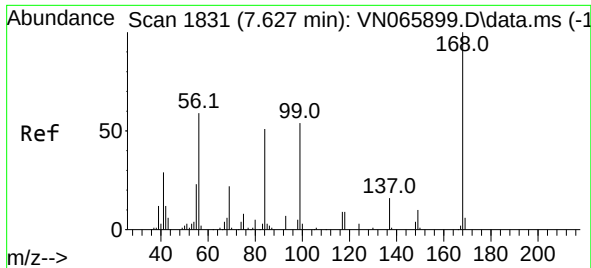
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 17 15:48:13 2021
Response via : Initial Calibration

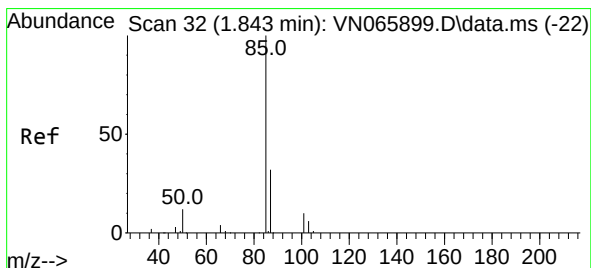
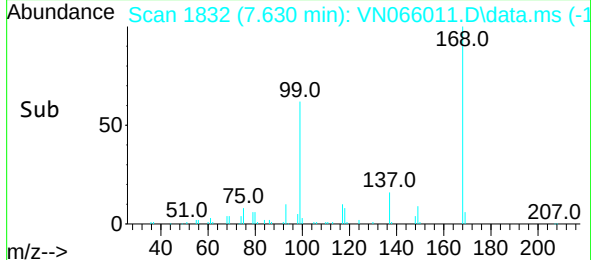
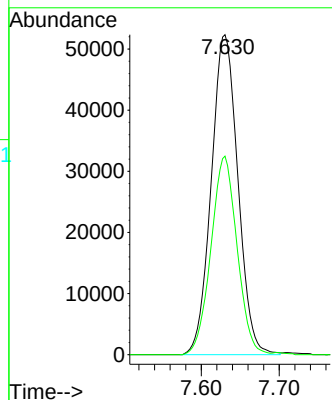
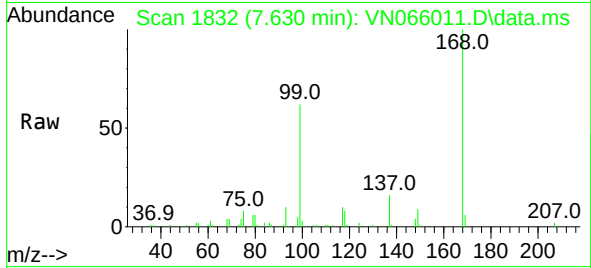




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

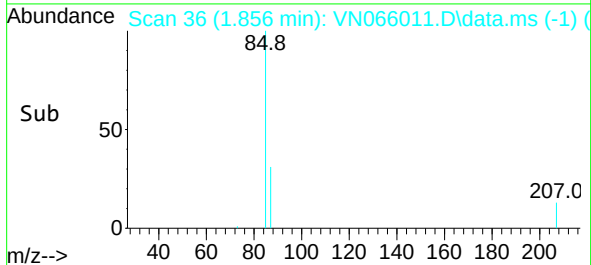
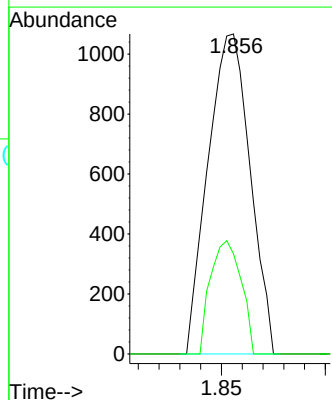
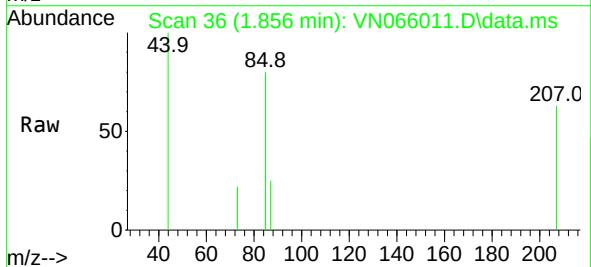
Instrument :
MSVOA_N
ClientSampleId :

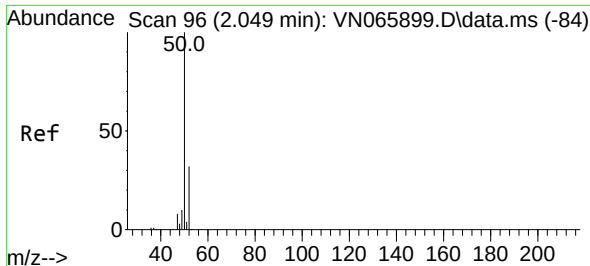
Tgt Ion:168 Resp: 124442
Ion Ratio Lower Upper
168 100
99 62.1 42.6 63.8



#2
Dichlorodifluoromethane
Concen: 0.92 ug/l
RT: 1.856 min Scan# 36
Delta R.T. 0.013 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

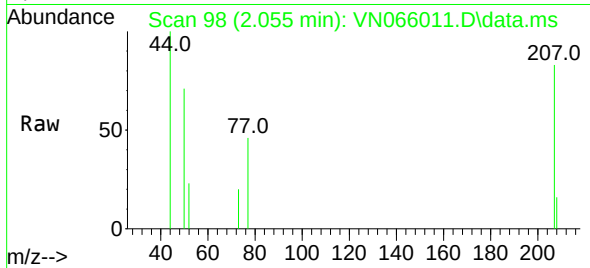
Tgt Ion: 85 Resp: 1500
Ion Ratio Lower Upper
85 100
87 31.3 16.6 49.8



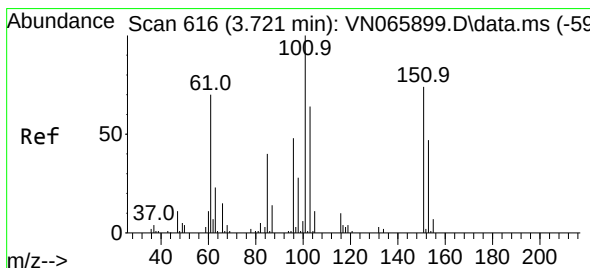
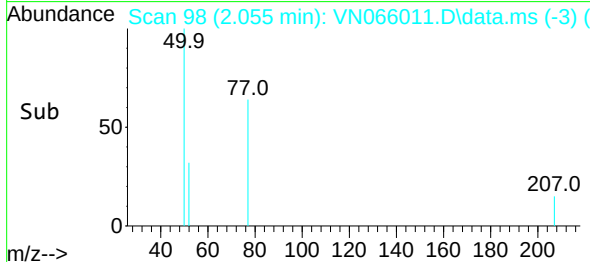
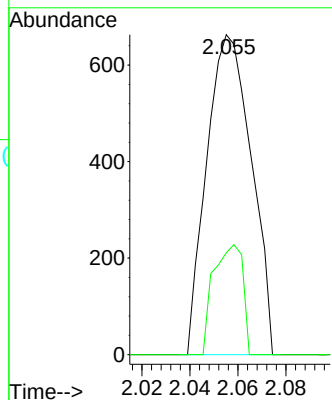


#3
Chloromethane
Concen: 0.42 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Instrument :
MSVOA_N
ClientSampleId :

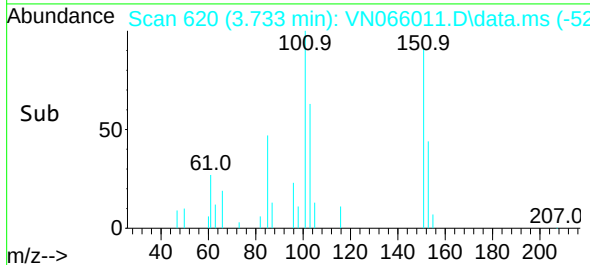
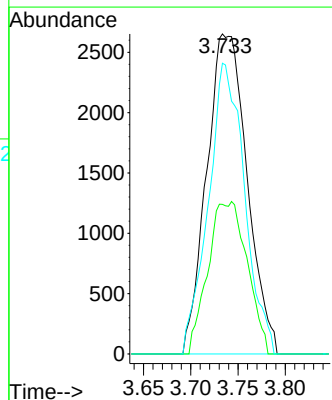
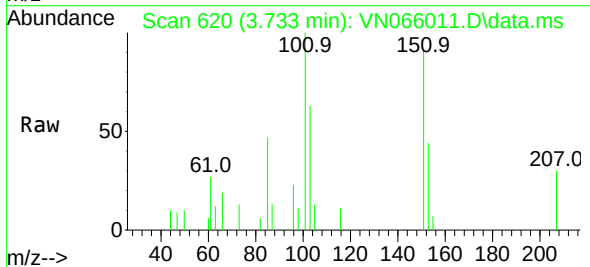


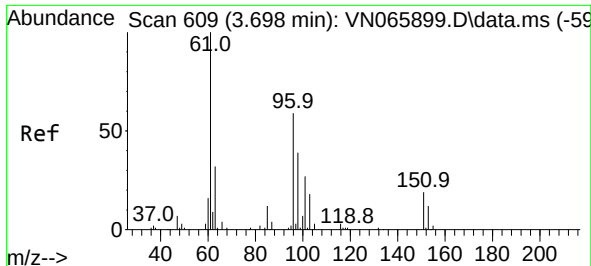
Tgt Ion: 50 Resp: 857
Ion Ratio Lower Upper
50 100
52 31.8 25.8 38.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.96 ug/l
RT: 3.733 min Scan# 620
Delta R.T. 0.012 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

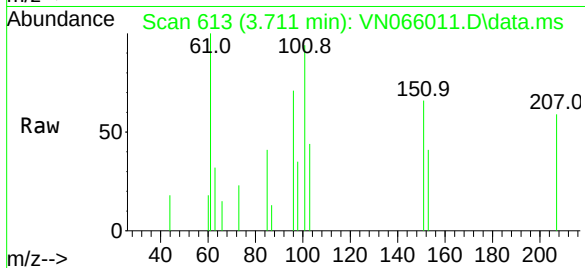
Tgt Ion: 101 Resp: 7896
Ion Ratio Lower Upper
101 100
85 25.3 34.6 51.8#
151 81.3 63.5 95.3



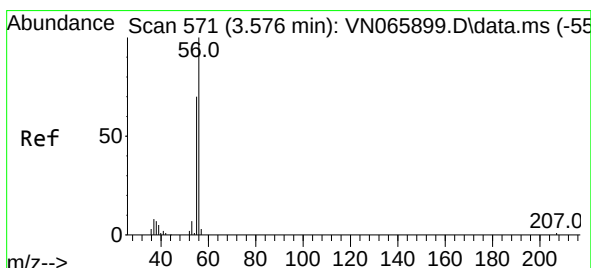
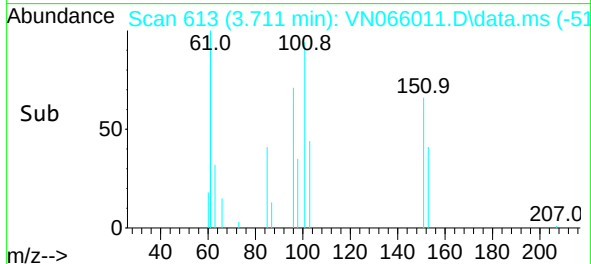
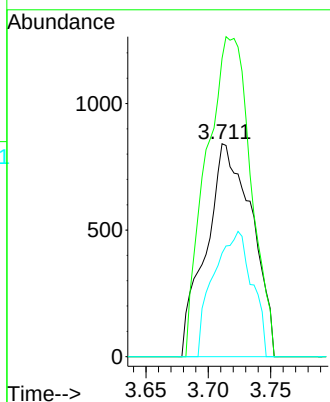


#12
1,1-Dichloroethene
Concen: 1.54 ug/l
RT: 3.711 min Scan# 613
Delta R.T. 0.013 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Instrument :
MSVOA_N
ClientSampleId :

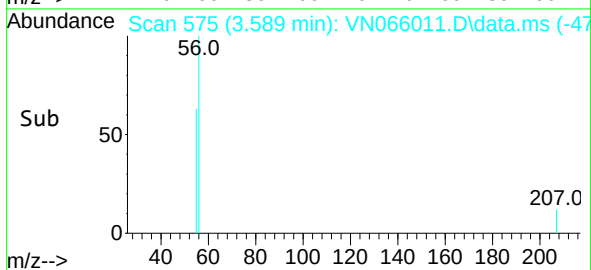
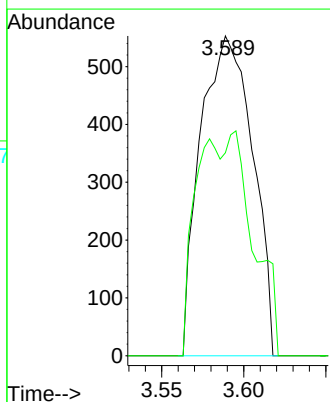
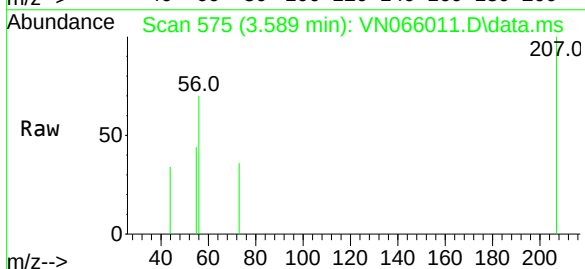


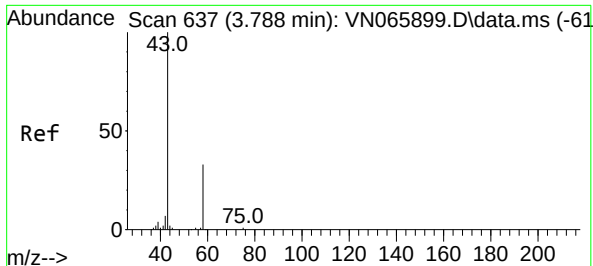
Tgt Ion: 96 Resp: 2150
Ion Ratio Lower Upper
96 100
61 140.1 122.5 183.7
98 48.6 50.8 76.2#



#13
Acrolein
Concen: 5.51 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion: 56 Resp: 1221
Ion Ratio Lower Upper
56 100
55 35.5 56.0 84.0#

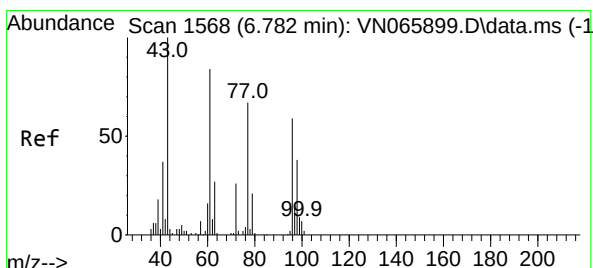
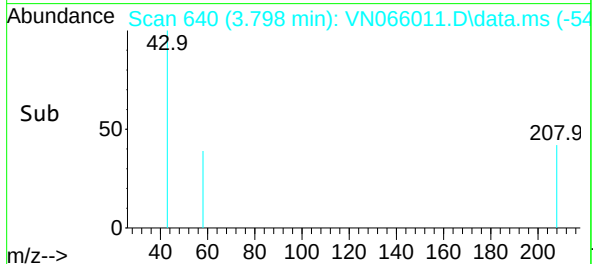
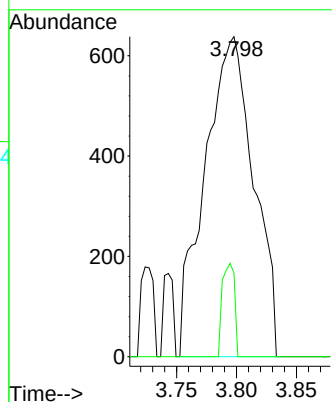
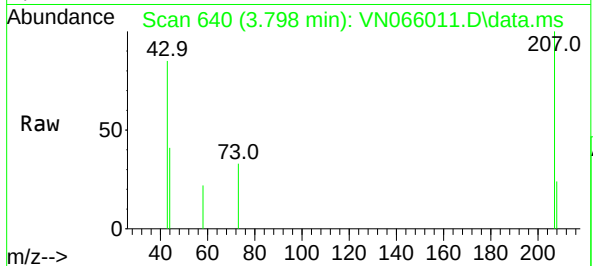




#16
Acetone
Concen: 1.72 ug/l
RT: 3.798 min Scan# 640
Delta R.T. 0.010 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

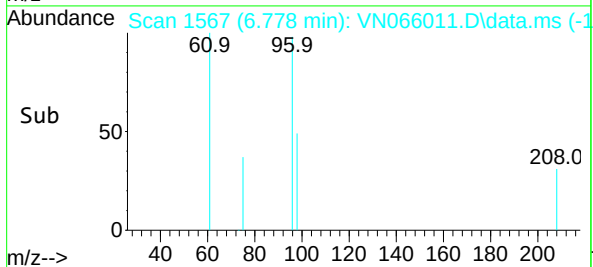
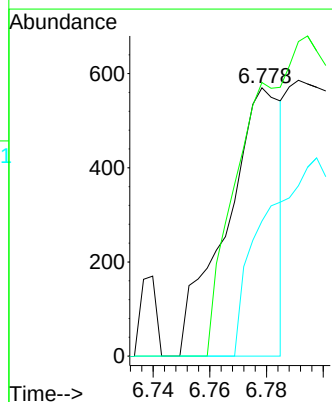
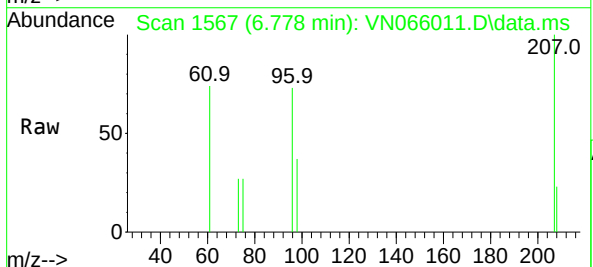
Instrument :
MSVOA_N
ClientSampleId :

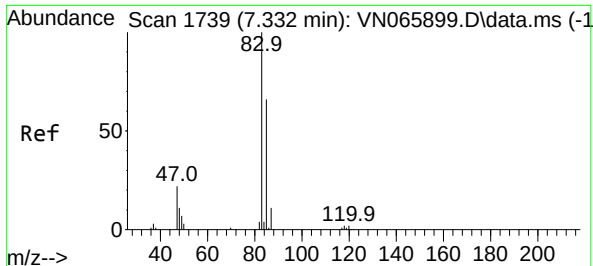
Tgt Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
58 26.2 27.0 40.6#



#27
cis-1,2-Dichloroethene
Concen: 0.45 ug/l
RT: 6.778 min Scan# 1567
Delta R.T. -0.004 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion: 96 Resp: 760
Ion Ratio Lower Upper
96 100
61 235.9 0.0 276.8
98 95.0 0.0 129.4





#30

Chloroform

Concen: 0.95 ug/l

RT: 7.335 min Scan# 1740

Delta R.T. 0.003 min

Lab File: VN066011.D

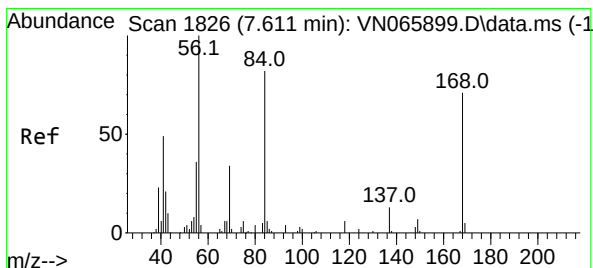
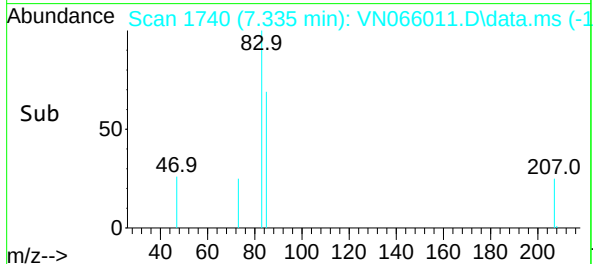
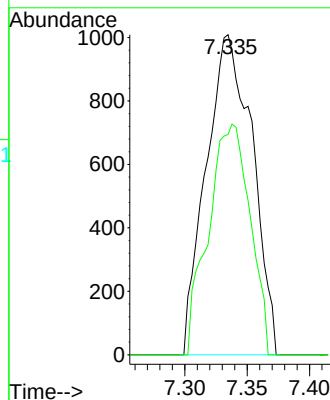
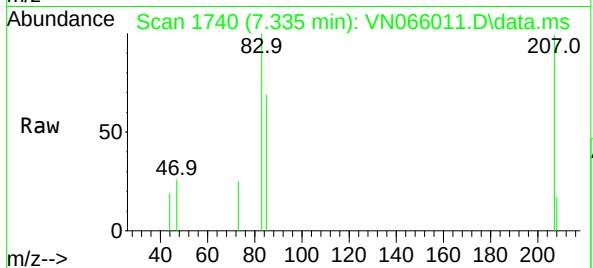
Acq: 24 Feb 2021 18:04

Tgt Ion: 83 Resp: 2599

Ion Ratio Lower Upper

83 100

85 68.9 52.6 78.8



#31

Cyclohexane

Concen: 0.86 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. 0.013 min

Lab File: VN066011.D

Acq: 24 Feb 2021 18:04

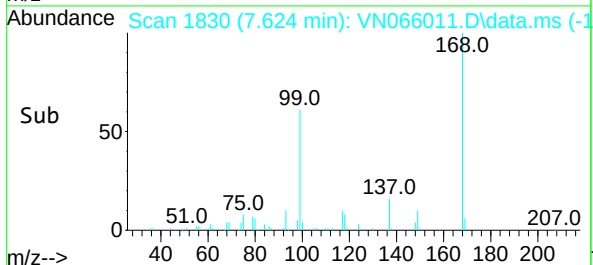
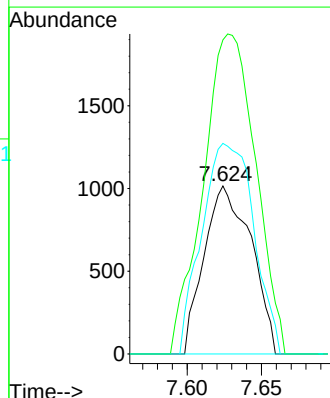
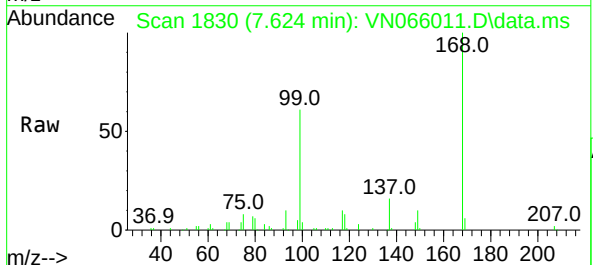
Tgt Ion: 56 Resp: 2237

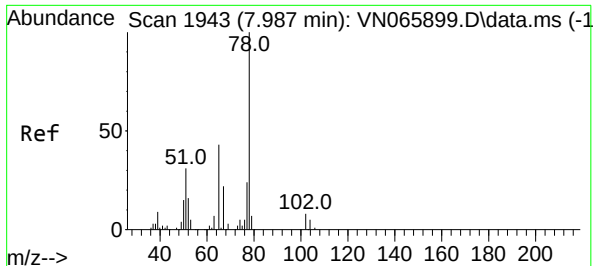
Ion Ratio Lower Upper

56 100

69 166.3 26.6 39.8#

84 125.4 70.4 105.6#

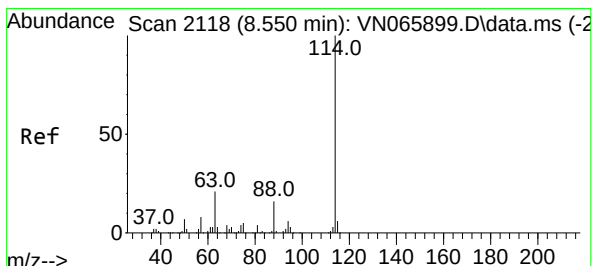
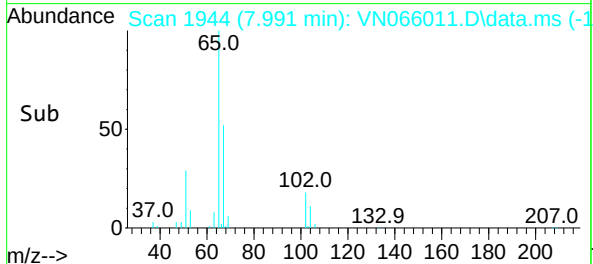
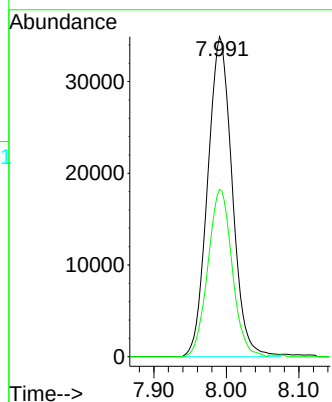
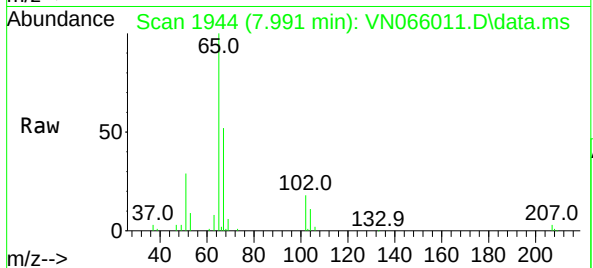




#33
1,2-Dichloroethane-d4
Concen: 47.05 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

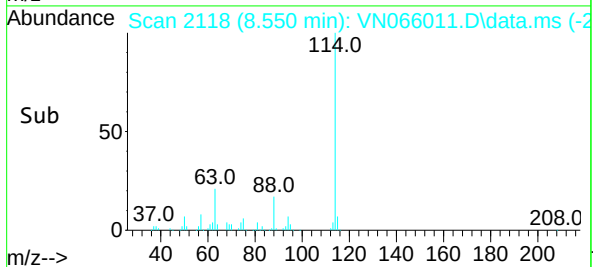
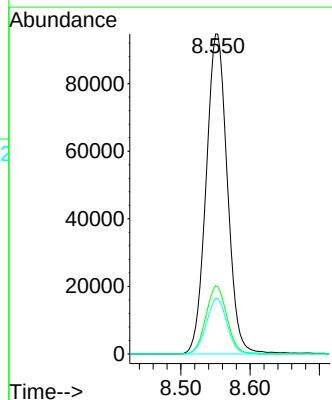
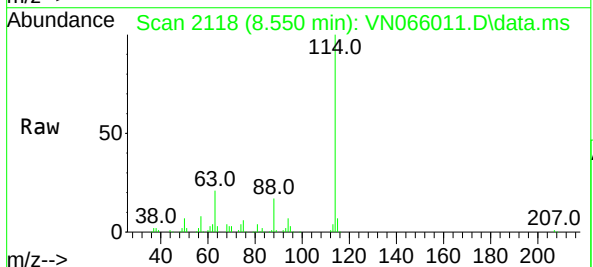
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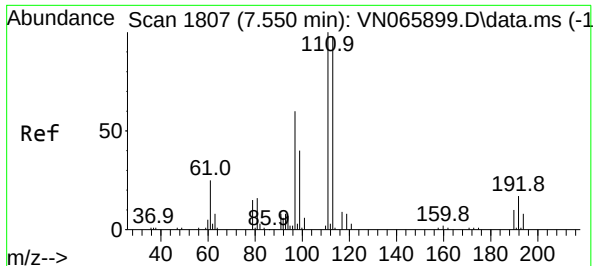
Tgt Ion: 65 Resp: 81875
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion: 114 Resp: 200909
Ion Ratio Lower Upper
114 100
63 21.3 0.0 38.6
88 17.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.20 ug/l

RT: 7.553 min Scan# 1808

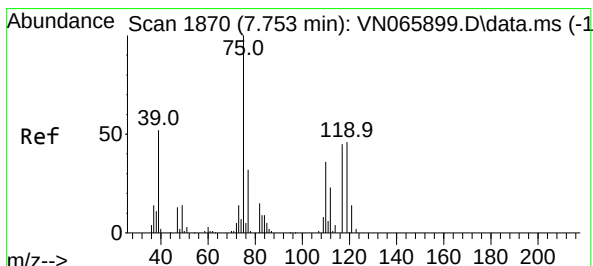
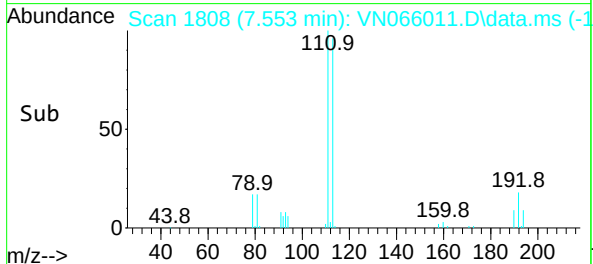
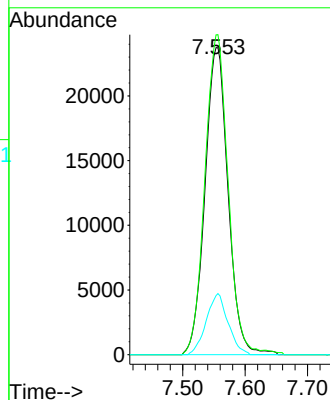
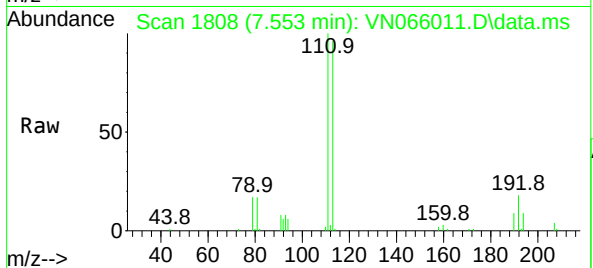
Delta R.T. 0.003 min

Lab File: VN066011.D

Acq: 24 Feb 2021 18:04

Tgt Ion:	113	Resp:	61170
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.2
192	18.7	15.4	23.0

Instrument :
MSVOA_N
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.88 ug/l

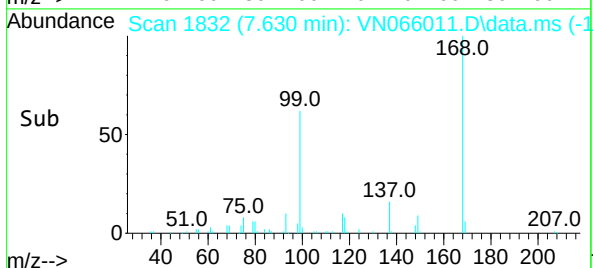
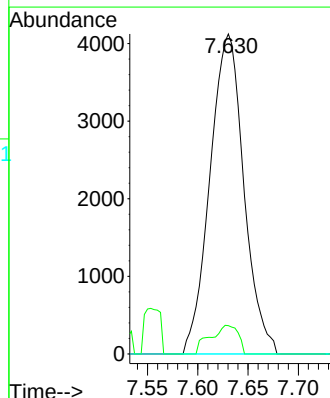
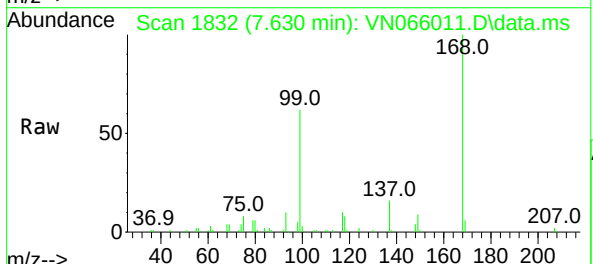
RT: 7.630 min Scan# 1832

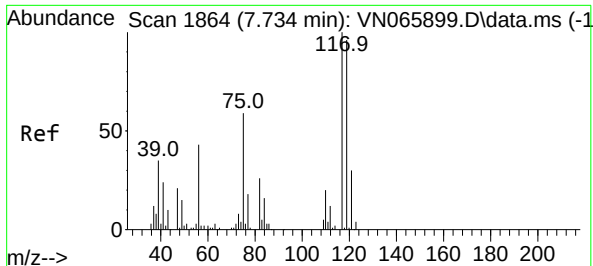
Delta R.T. -0.123 min

Lab File: VN066011.D

Acq: 24 Feb 2021 18:04

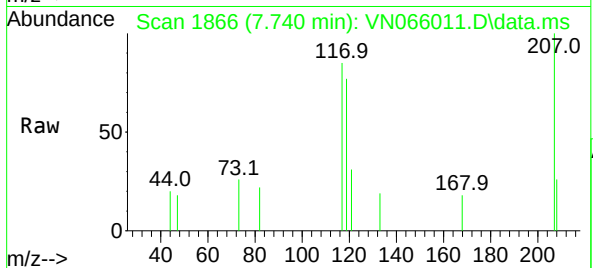
Tgt Ion:	75	Resp:	9666
Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.2	54.6#
77	0.0	24.9	37.3#



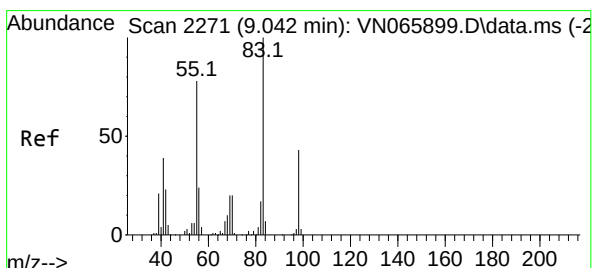
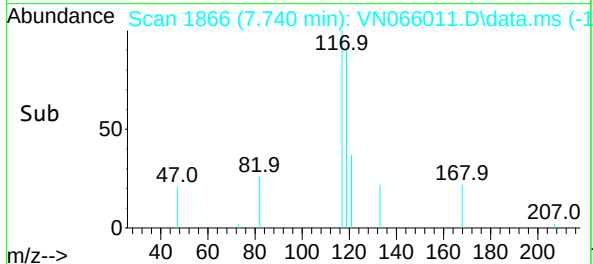
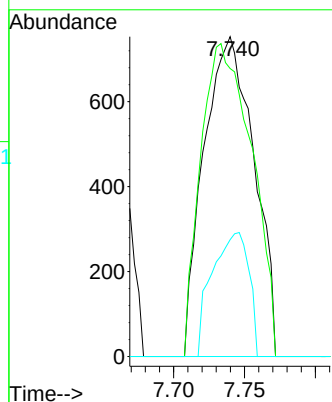


#38
Carbon Tetrachloride
Concen: 1.00 ug/l
RT: 7.740 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Instrument :
MSVOA_N
ClientSampleId :

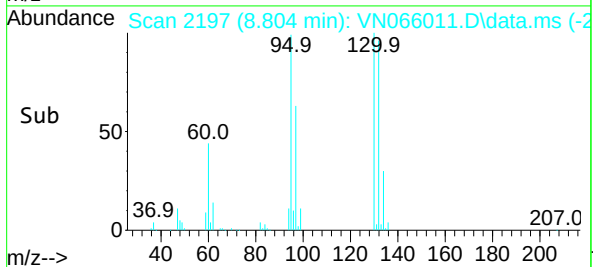
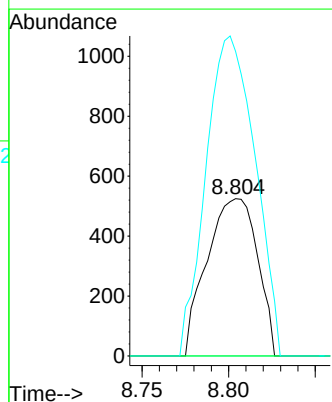
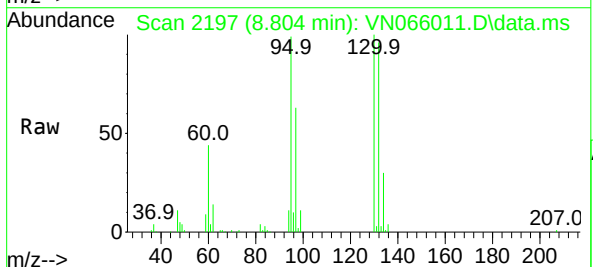


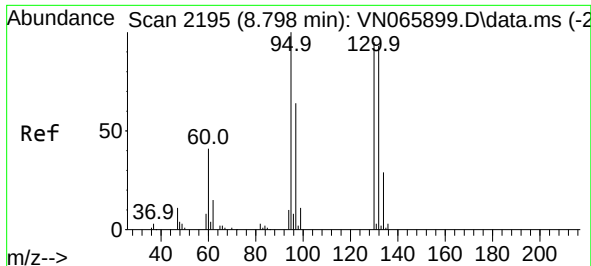
Tgt Ion:117 Resp: 1848
Ion Ratio Lower Upper
117 100
119 90.0 76.0 114.0
121 36.5 24.5 36.7



#39
Methylcyclohexane
Concen: 0.48 ug/l
RT: 8.804 min Scan# 2197
Delta R.T. -0.238 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion: 83 Resp: 1066
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 193.7 35.9 53.9#

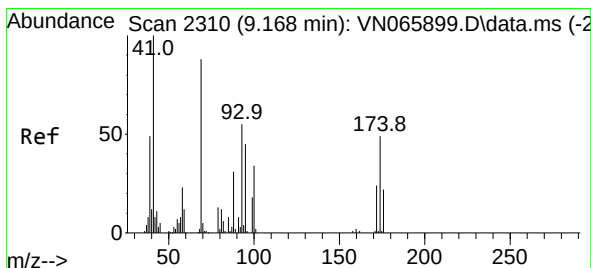
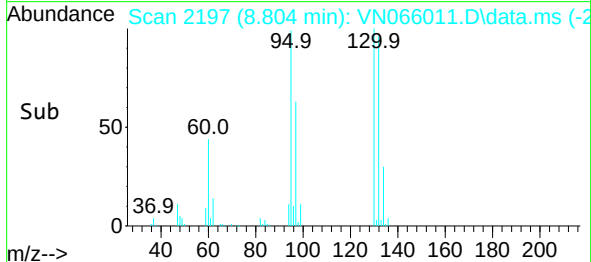
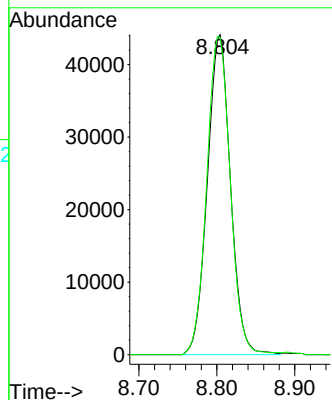
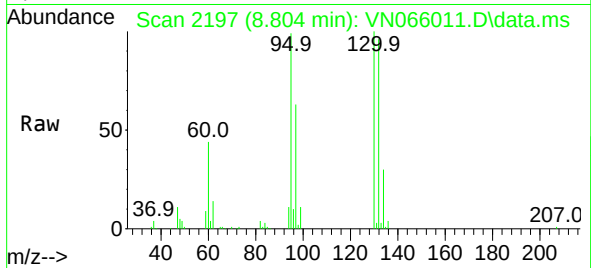




#44
Trichloroethene
Concen: 60.44 ug/l
RT: 8.804 min Scan# 2197
Delta R.T. 0.006 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

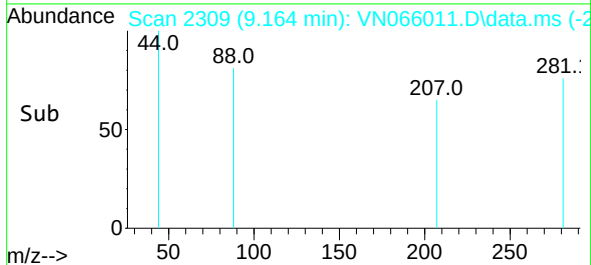
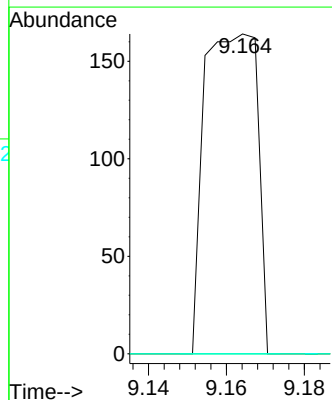
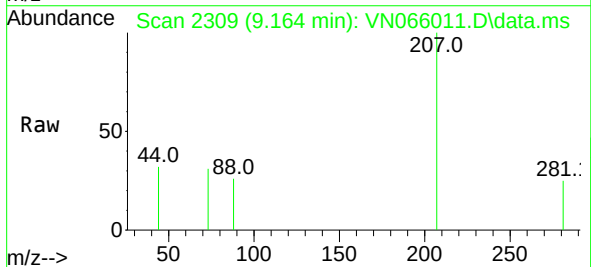
Instrument :
MSVOA_N
ClientSampled :

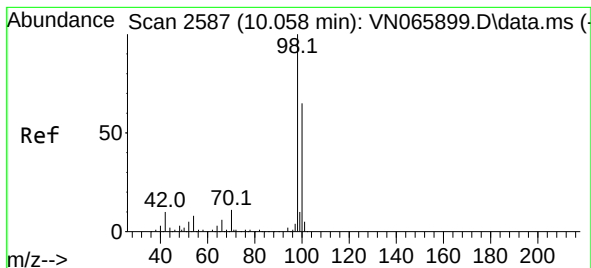
Tgt Ion:130 Resp: 90861
Ion Ratio Lower Upper
130 100
95 99.2 0.0 199.6



#49
1,4-Dioxane
Concen: 6.26 ug/l
RT: 9.164 min Scan# 2309
Delta R.T. -0.004 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 0.0 52.6 78.8#

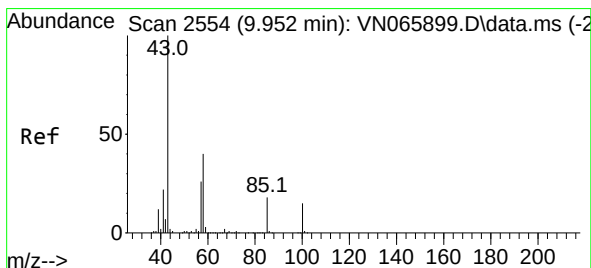
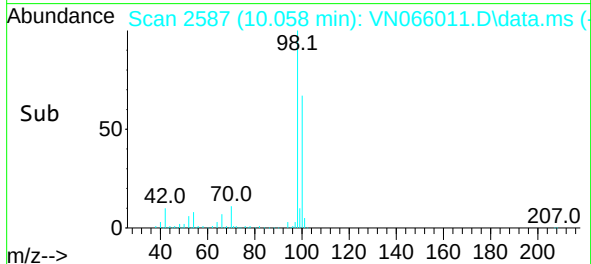
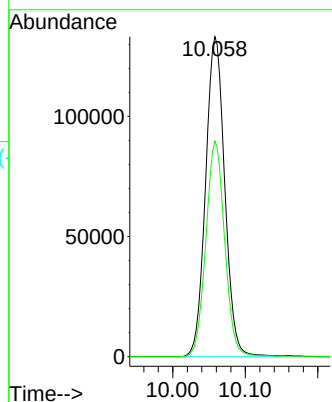
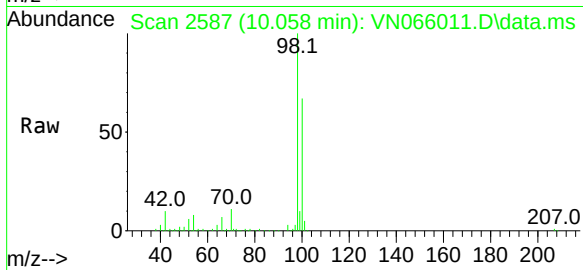




#50
Toluene-d8
Concen: 47.87 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

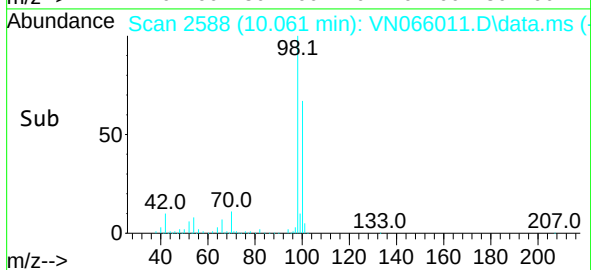
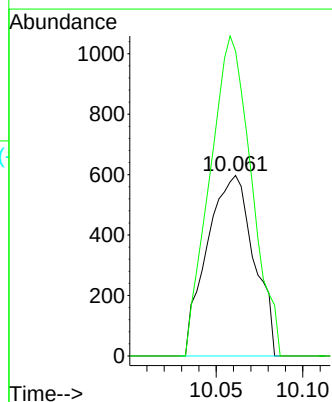
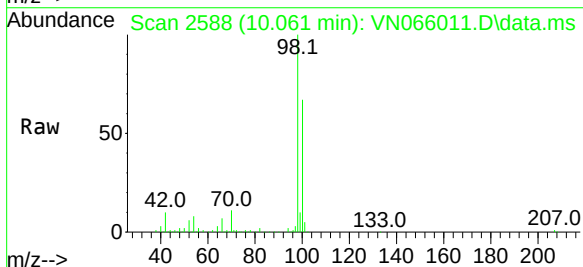
Instrument :
MSVOA_N
ClientSampled :

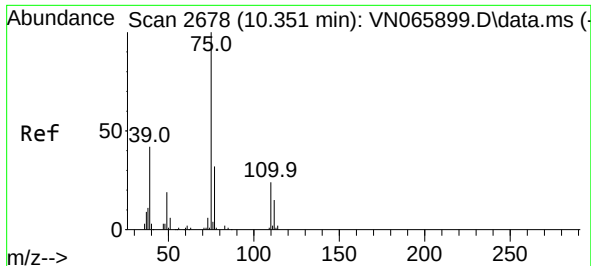
Tgt Ion: 98 Resp: 244339
Ion Ratio Lower Upper
98 100
100 66.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.109 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
58 158.1 32.5 48.7#

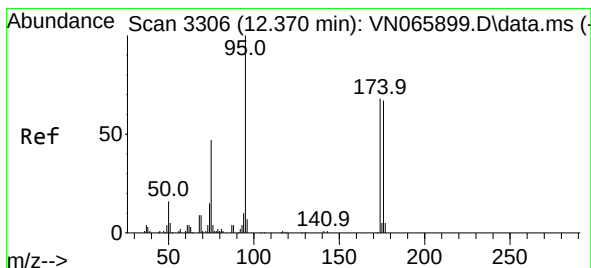
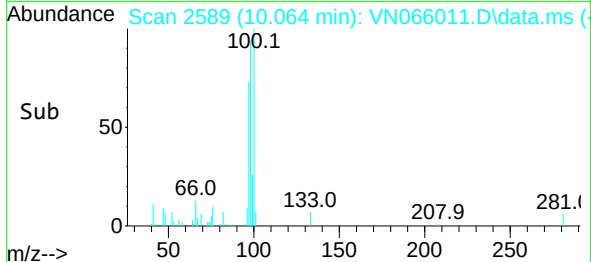
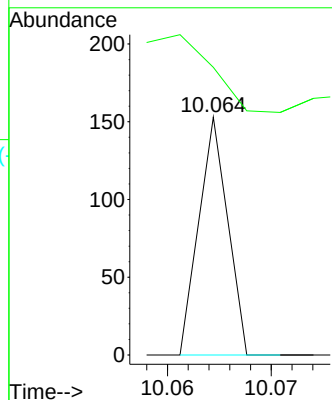
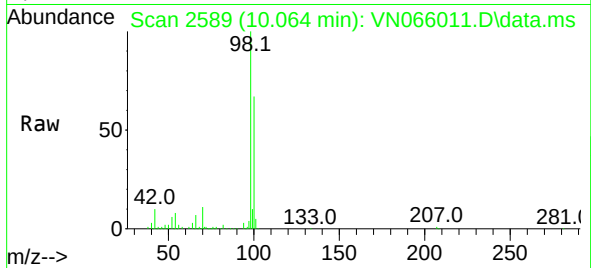




#53
t-1,3-Dichloropropene
Concen: 1.99 ug/l
RT: 10.064 min Scan# 2589
Delta R.T. -0.287 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

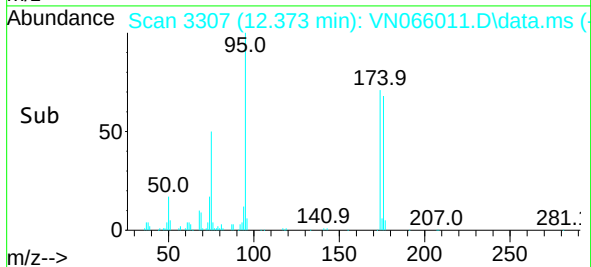
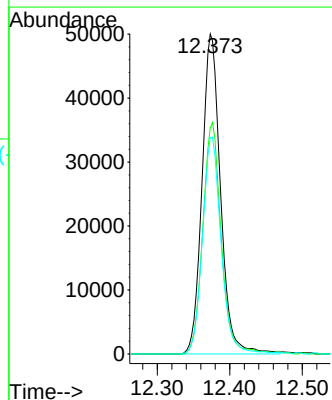
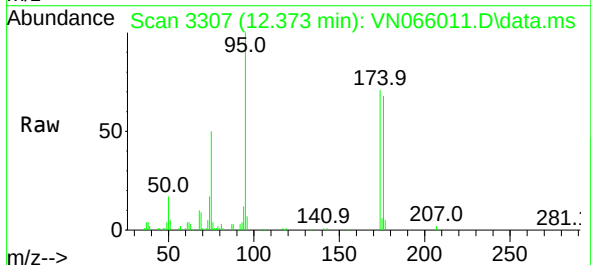
Instrument :
MSVOA_N
ClientSampleId :

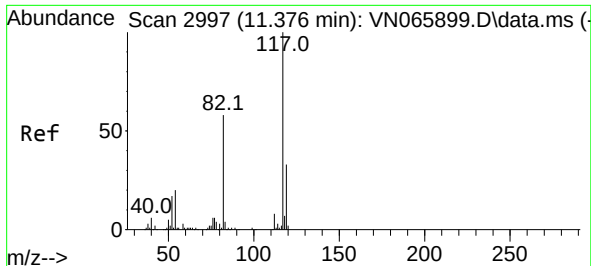
Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 19.0 26.2 39.4#



#62
4-Bromofluorobenzene
Concen: 46.29 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion: 95 Resp: 88697
Ion Ratio Lower Upper
95 100
174 72.1 0.0 169.0
176 68.1 0.0 162.4

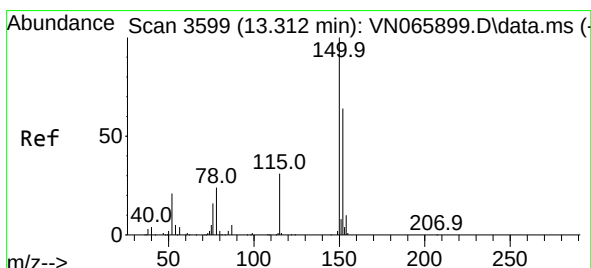
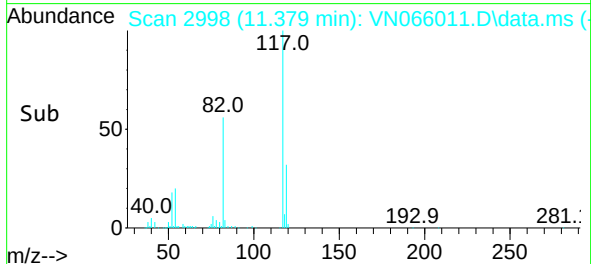
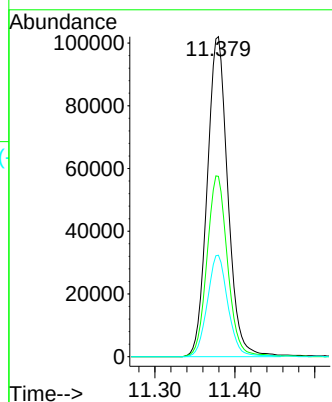
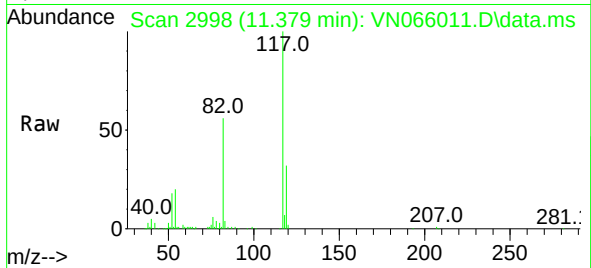




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

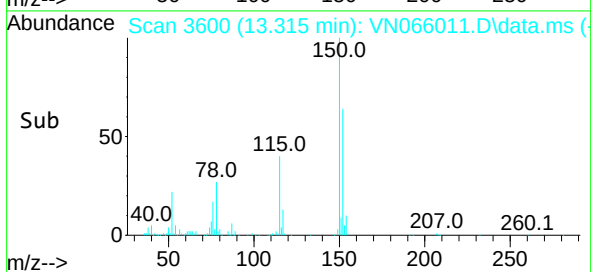
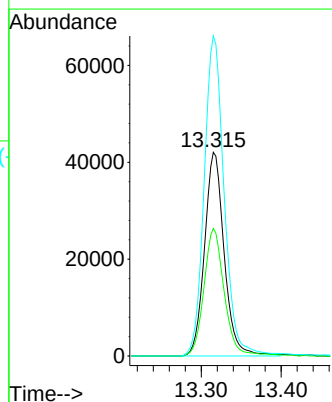
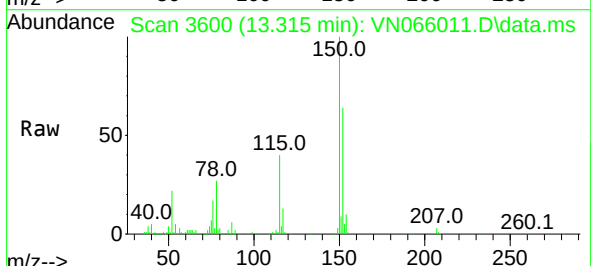
Instrument :
MSVOA_N
ClientSampleId :

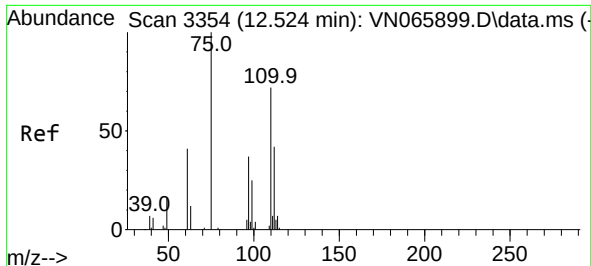
Tgt Ion:117 Resp: 182938
Ion Ratio Lower Upper
117 100
82 56.4 43.7 65.5
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion:152 Resp: 72020
Ion Ratio Lower Upper
152 100
115 64.7 28.5 85.6
150 160.8 0.0 347.6

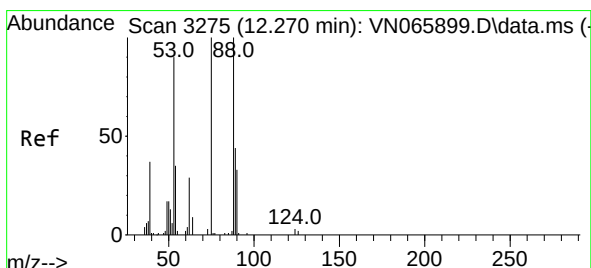
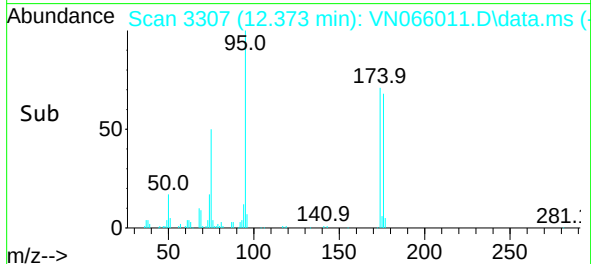
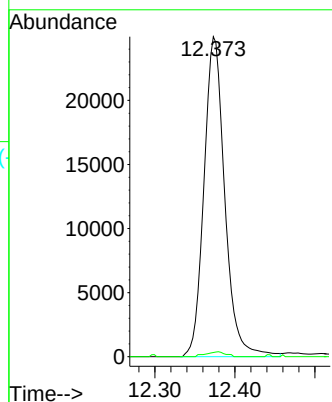
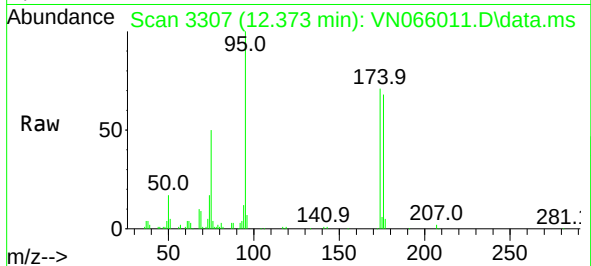




#76
1,2,3-Trichloropropane
Concen: 26.15 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

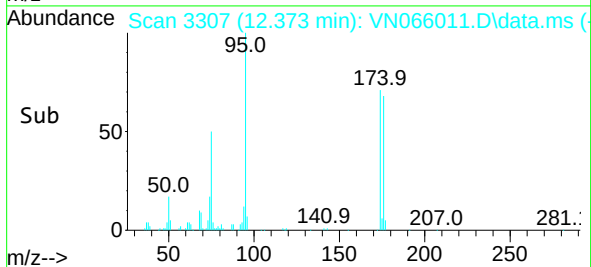
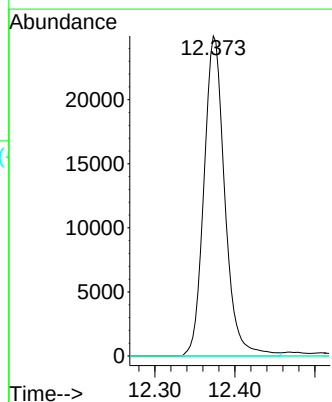
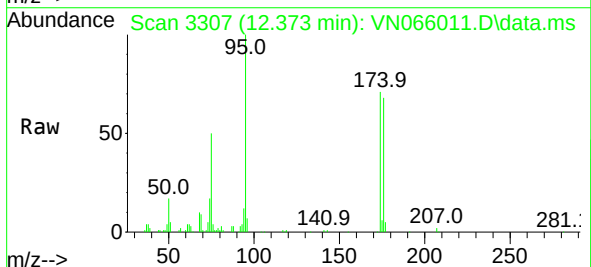
Instrument :
MSVOA_N
ClientSampled :

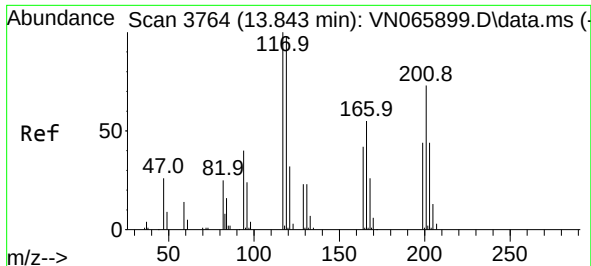
Tgt Ion: 75 Resp: 45240
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.33 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion: 75 Resp: 45240
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

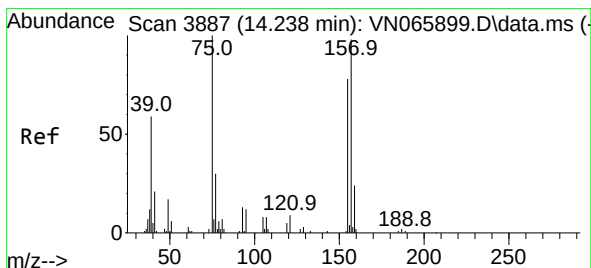
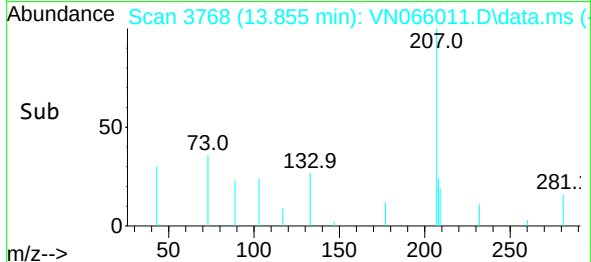
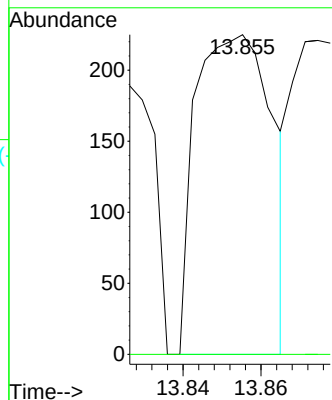
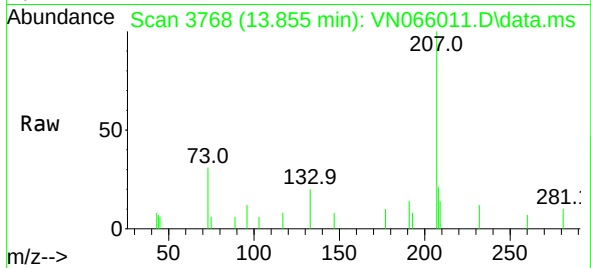




#90
Hexachloroethane
Concen: 0.37 ug/l
RT: 13.855 min Scan# 3768
Delta R.T. 0.012 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 307
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.02 ug/l
RT: 14.241 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VN066011.D
Acq: 24 Feb 2021 18:04

Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

