

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022421\
 Data File : VN066005.D
 Acq On : 24 Feb 2021 15:42
 Operator : JC/MD
 Sample : M1473-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

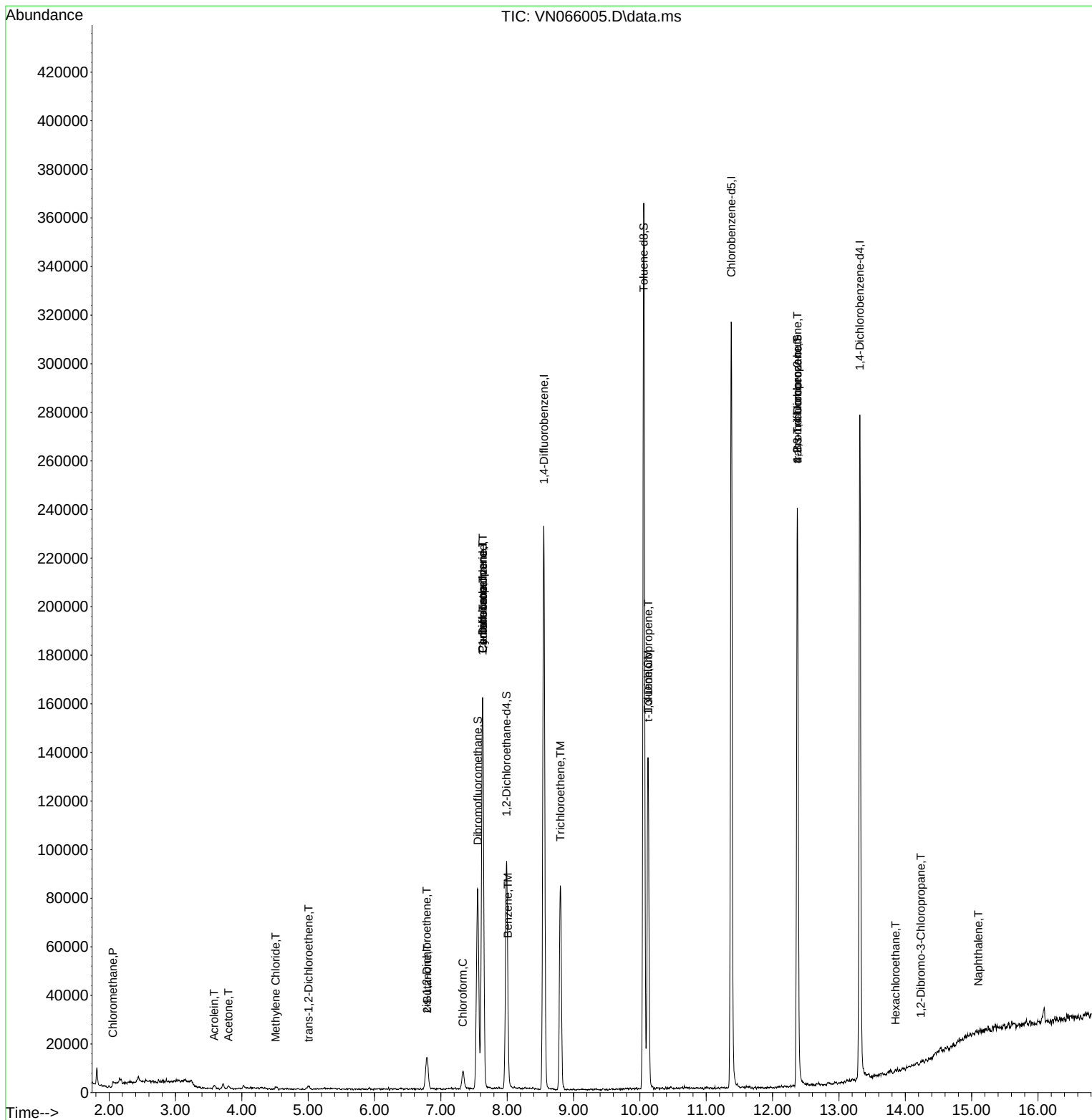
Quant Time: Feb 25 02:14:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

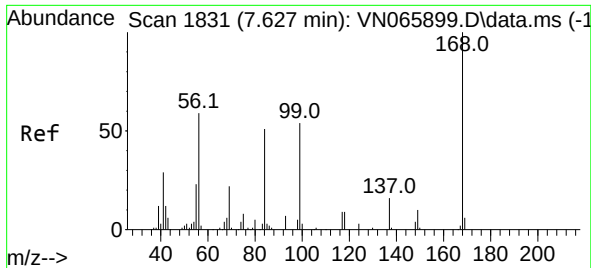
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.631	168	130912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	215736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	193975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	79449	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	87675	47.89	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.78%		
35) Dibromofluoromethane	7.557	113	64893	48.60	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.20%		
50) Toluene-d8	10.058	98	260700	47.57	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.14%		
62) 4-Bromofluorobenzene	12.373	95	94362	45.86	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.72%		
Target Compounds					Qvalue	
3) Chloromethane	2.055	50	964	0.45	ug/l #	81
13) Acrolein	3.582	56	1409	6.05	ug/l #	81
16) Acetone	3.798	43	2080	2.03	ug/l	97
20) Methylene Chloride	4.512	84	385	0.23	ug/l #	58
21) trans-1,2-Dichloroethene	5.007	96	341	0.22	ug/l #	15
25) 2-Butanone	6.795	43	268	0.30	ug/l #	46
27) cis-1,2-Dichloroethene	6.788	96	10169	5.78	ug/l	87
30) Chloroform	7.332	83	8579	2.99	ug/l	92
31) Cyclohexane	7.631	56	2607	0.96	ug/l #	18
36) 1,1-Dichloropropene	7.627	75	10035	4.72	ug/l #	50
38) Carbon Tetrachloride	7.631	117	13451	6.80	ug/l #	16
40) Benzene	8.010	78	1414	0.22	ug/l	98
44) Trichloroethene	8.801	130	32093	19.88	ug/l	99
52) Toluene	10.122	92	62077	15.49	ug/l	98
53) t-1,3-Dichloropropene	10.126	75	981	2.35	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	49167	25.76	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	49167	82.10	ug/l #	12
90) Hexachloroethane	13.852	117	213	0.23	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.235	75	280	1.58	ug/l #	1
95) Naphthalene	15.100	128	196	3.10	ug/l #	69

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

Quant Time: Feb 25 02:14:36 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

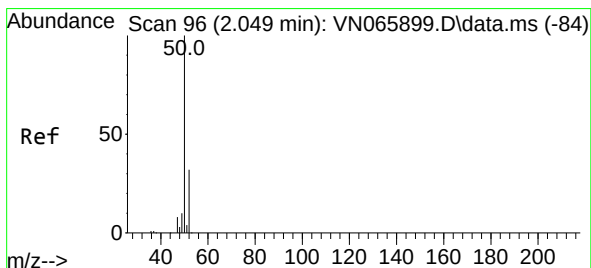
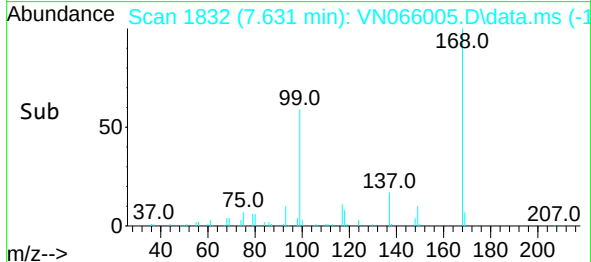
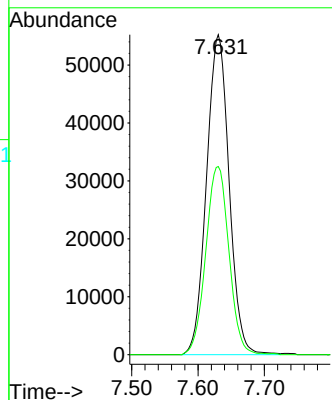
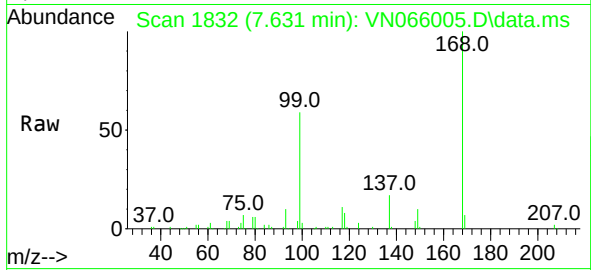




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

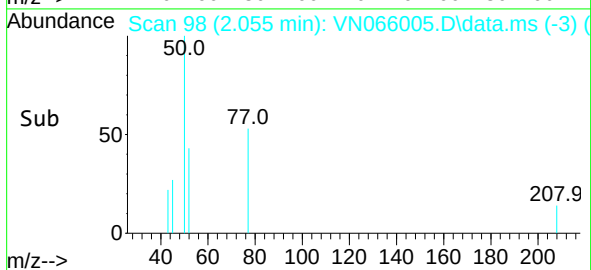
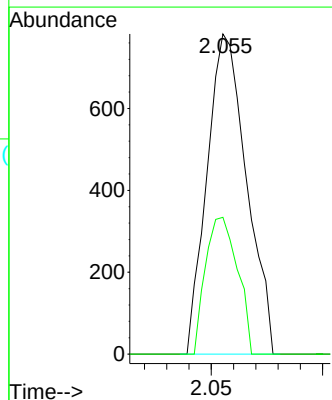
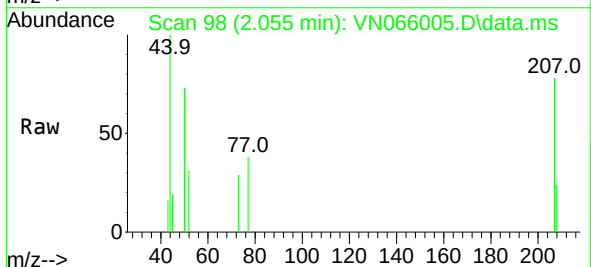
Instrument :
MSVOA_N
ClientSampled :

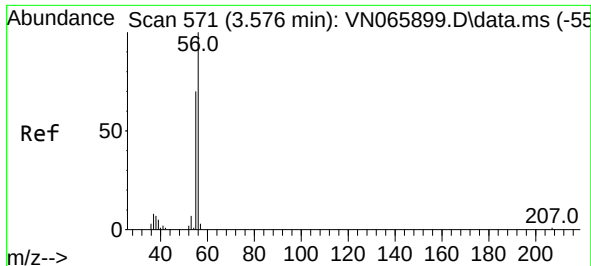
Tgt Ion:168 Resp: 130912
Ion Ratio Lower Upper
168 100
99 58.8 42.6 63.8



#3
Chloromethane
Concen: 0.45 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Tgt Ion: 50 Resp: 964
Ion Ratio Lower Upper
50 100
52 42.7 25.8 38.8#

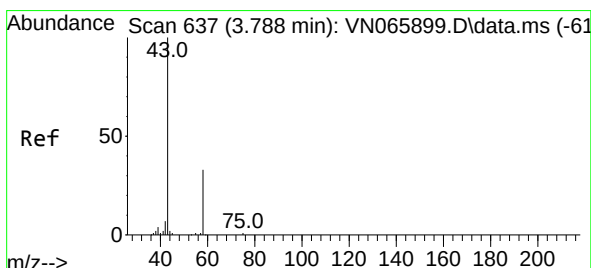
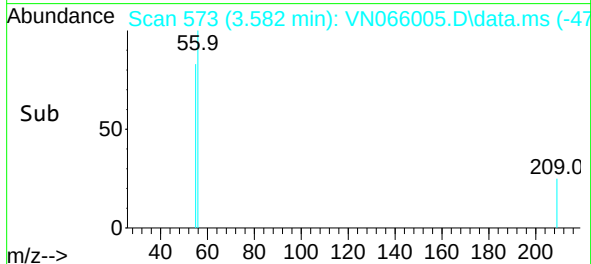
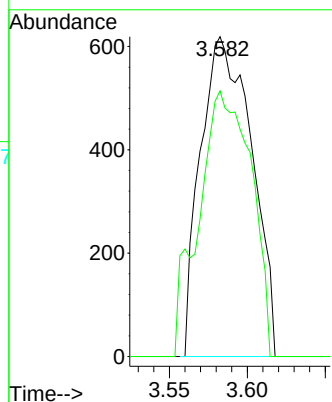
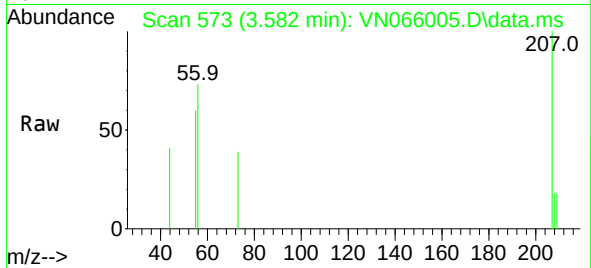




#13
Acrolein
Concen: 6.05 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.006 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

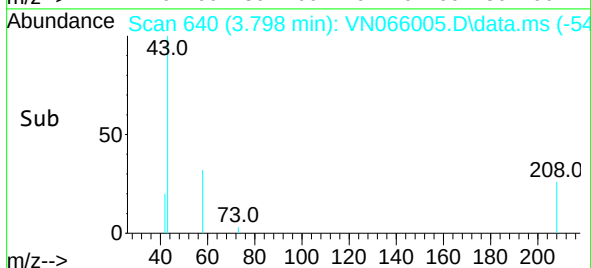
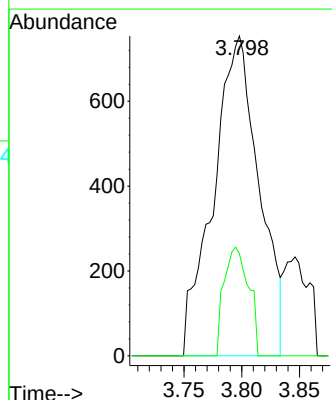
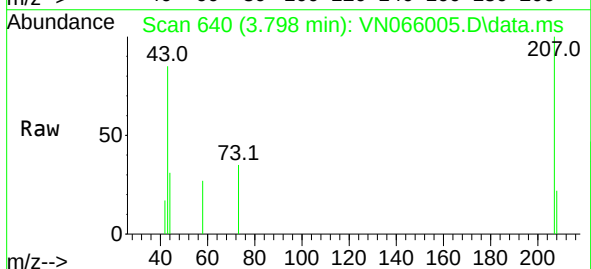
Instrument :
MSVOA_N
ClientSampled :

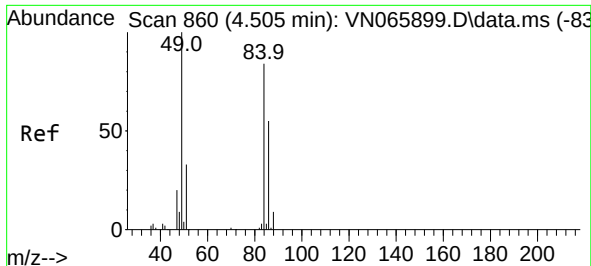
Tgt Ion: 56 Resp: 1409
Ion Ratio Lower Upper
56 100
55 85.5 56.0 84.0#



#16
Acetone
Concen: 2.03 ug/l
RT: 3.798 min Scan# 640
Delta R.T. 0.010 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

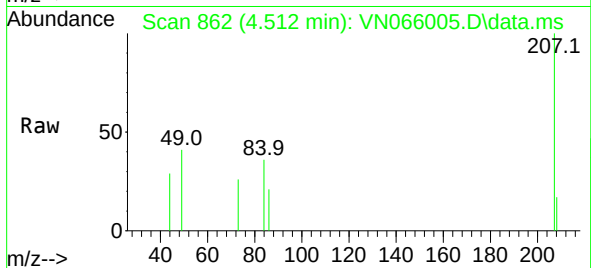
Tgt Ion: 43 Resp: 2080
Ion Ratio Lower Upper
43 100
58 32.0 27.0 40.6





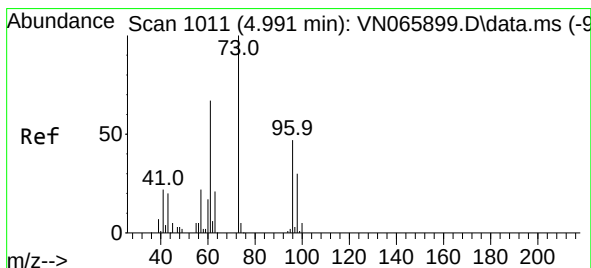
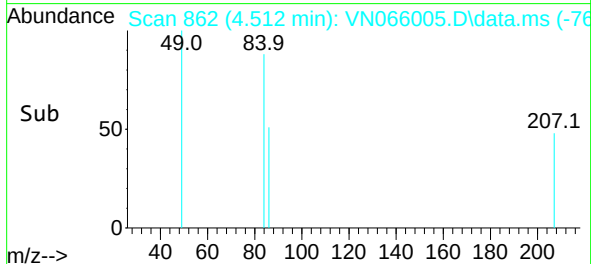
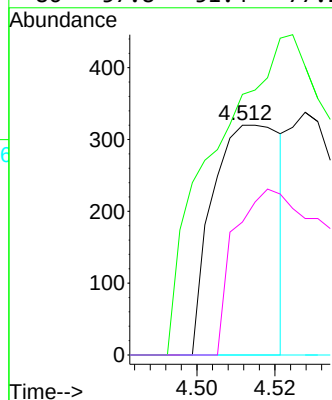
#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.007 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Instrument :
MSVOA_N
ClientSampled :

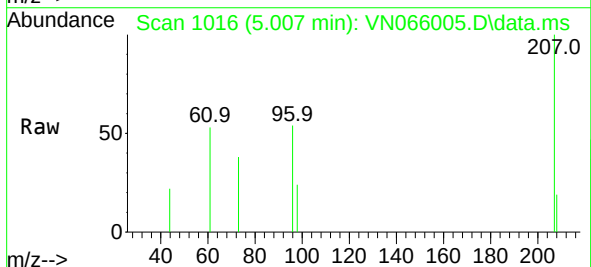


Tgt Ion: 84 Resp: 385

Ion	Ratio	Lower	Upper
84	100		
49	59.1	94.6	141.8#
51	0.0	29.9	44.9#
86	57.8	51.4	77.2

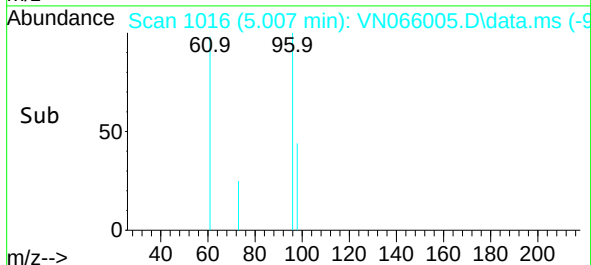
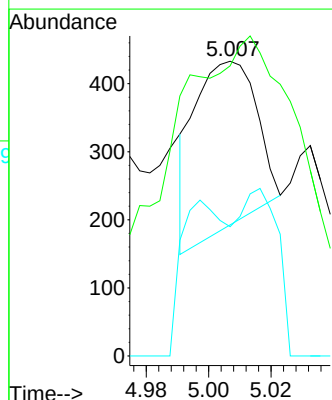


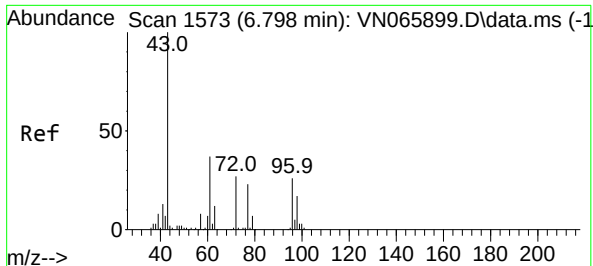
#21
trans-1,2-Dichloroethene
Concen: 0.22 ug/l
RT: 5.007 min Scan# 1016
Delta R.T. 0.016 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42



Tgt Ion: 96 Resp: 341

Ion	Ratio	Lower	Upper
96	100		
61	22.3	104.9	157.3#
98	10.2	51.8	77.8#

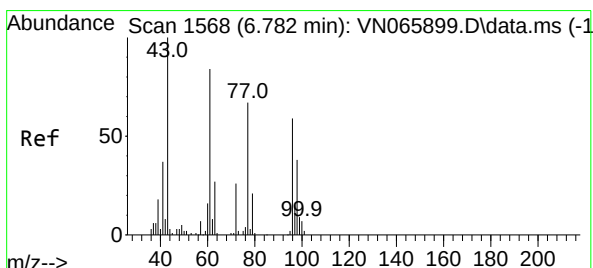
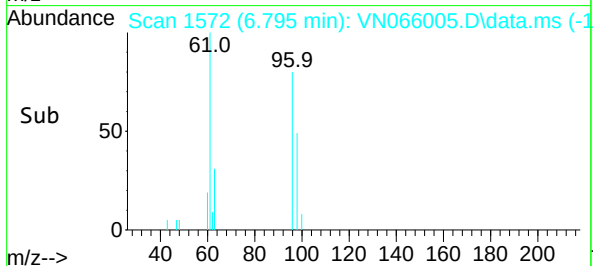
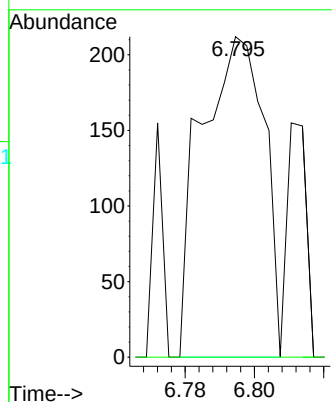
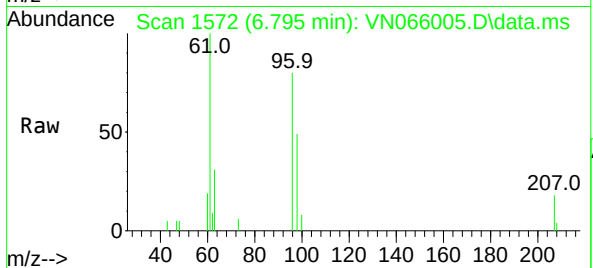




#25
2-Butanone
Concen: 0.30 ug/l
RT: 6.795 min Scan# 1572
Delta R.T. -0.003 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

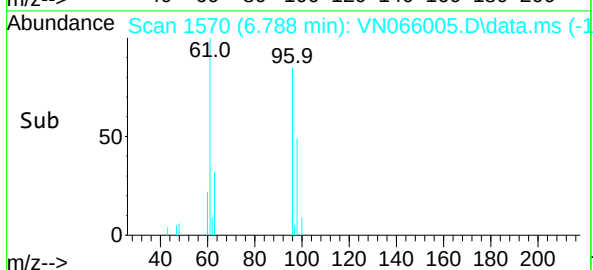
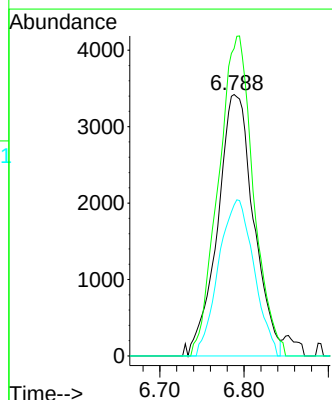
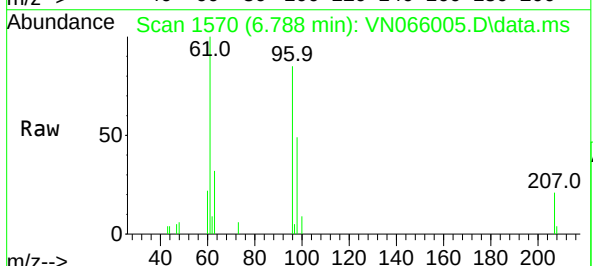
Instrument :
MSVOA_N
ClientSampled :

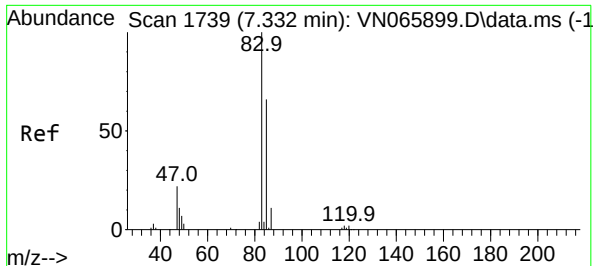
Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#27
cis-1,2-Dichloroethene
Concen: 5.78 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Tgt Ion: 96 Resp: 10169
Ion Ratio Lower Upper
96 100
61 119.2 0.0 276.8
98 58.4 0.0 129.4





#30

Chloroform

Concen: 2.99 ug/l

RT: 7.332 min Scan# 1739

Delta R.T. -0.000 min

Lab File: VN066005.D

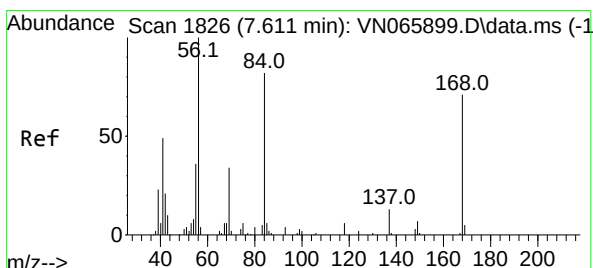
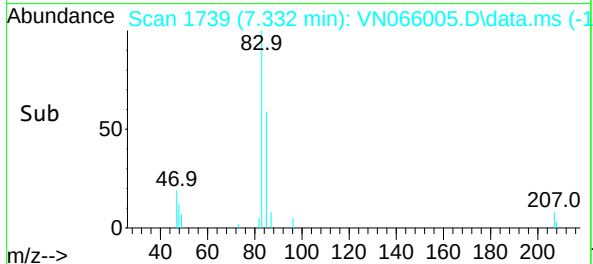
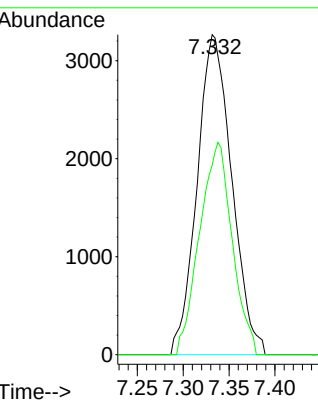
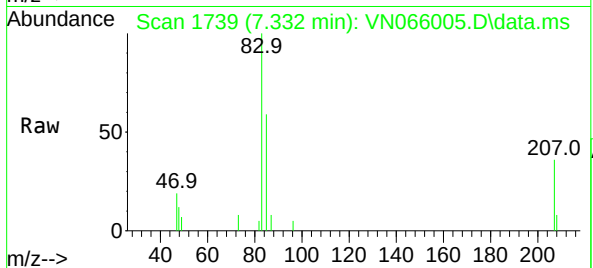
Acq: 24 Feb 2021 15:42

Tgt Ion: 83 Resp: 8579

Ion Ratio Lower Upper

83 100

85 59.2 52.6 78.8



#31

Cyclohexane

Concen: 0.96 ug/l

RT: 7.631 min Scan# 1832

Delta R.T. 0.020 min

Lab File: VN066005.D

Acq: 24 Feb 2021 15:42

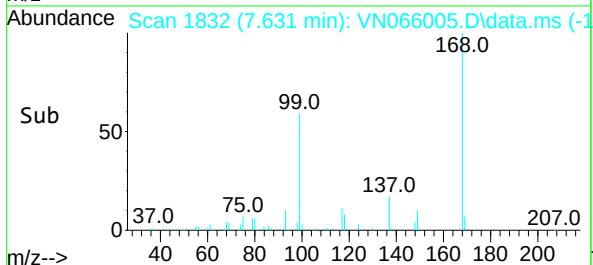
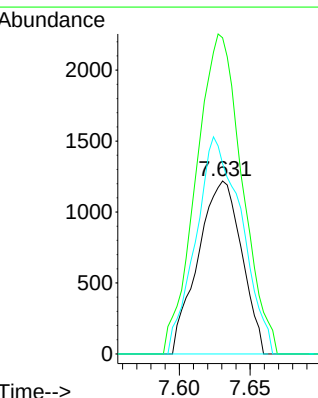
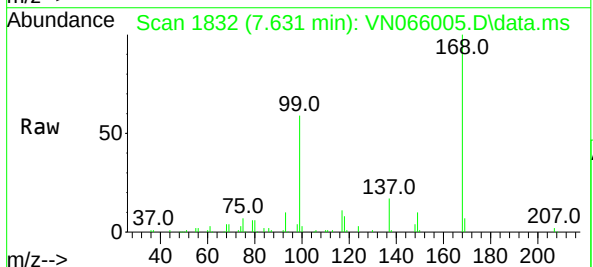
Tgt Ion: 56 Resp: 2607

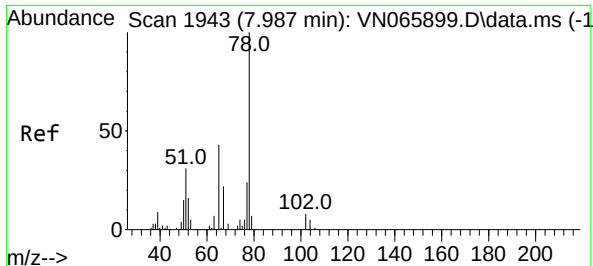
Ion Ratio Lower Upper

56 100

69 166.9 26.6 39.8#

84 109.9 70.4 105.6#

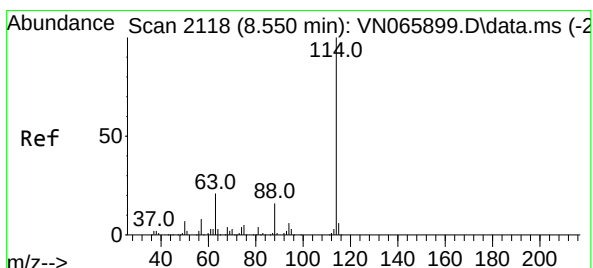
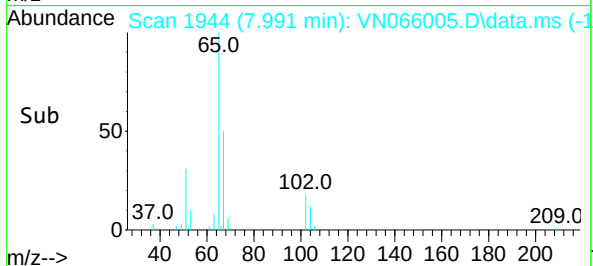
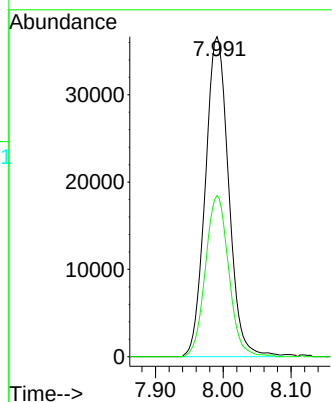
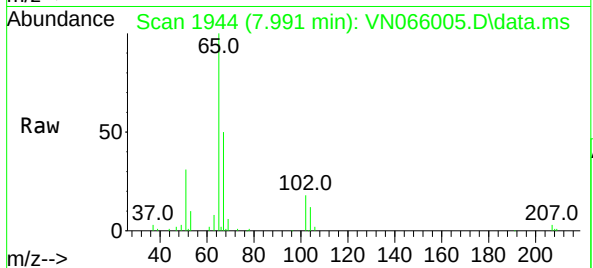




#33
1,2-Dichloroethane-d4
Concen: 47.89 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

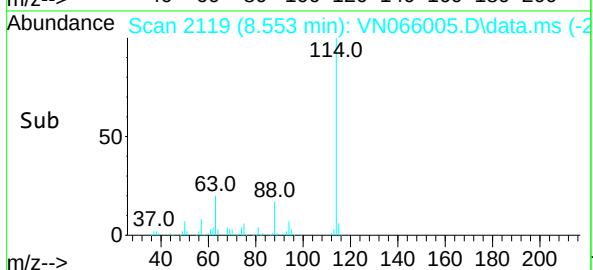
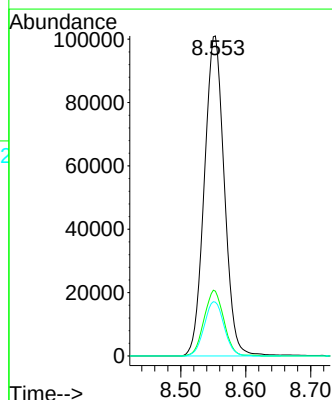
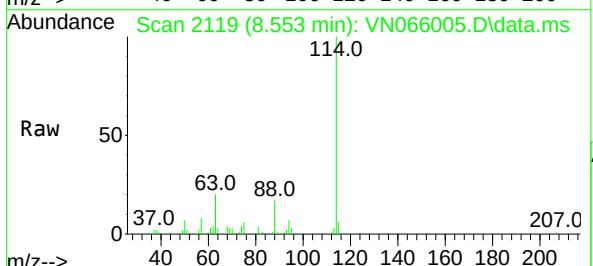
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MSVOA_N
ClientSampled :

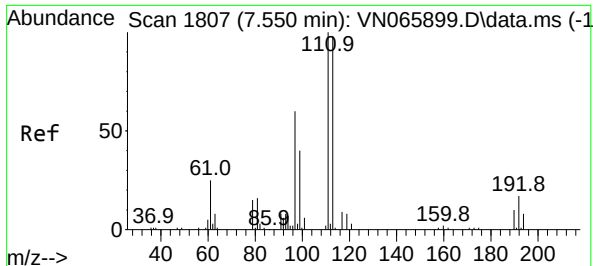
Tgt Ion: 65 Resp: 87675
Ion Ratio Lower Upper
65 100
67 50.2 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Tgt Ion: 114 Resp: 215736
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.6
88 16.8 0.0 30.6

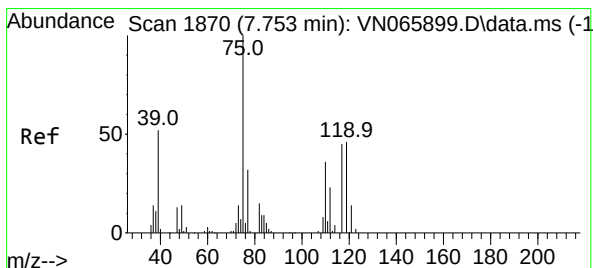
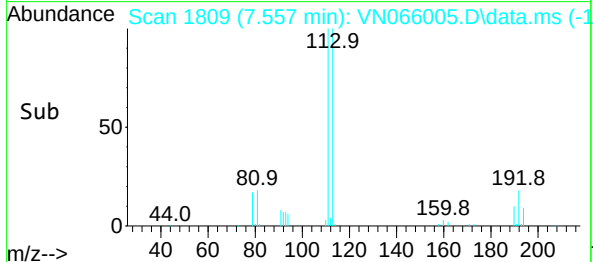
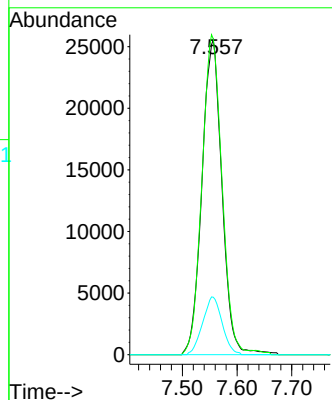
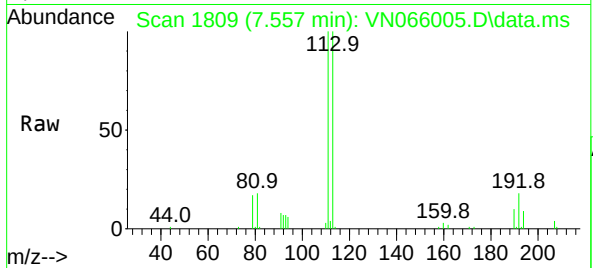




#35
Dibromofluoromethane
Concen: 48.60 ug/l
RT: 7.557 min Scan# 1809
Delta R.T. 0.007 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

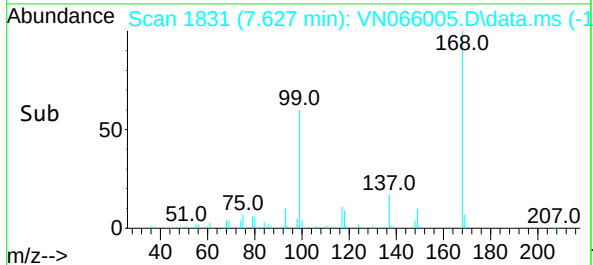
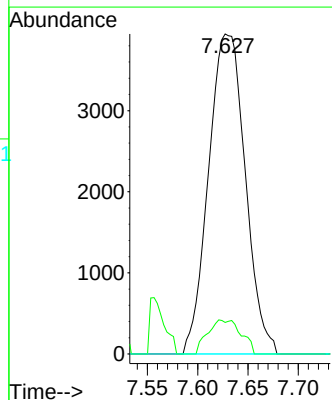
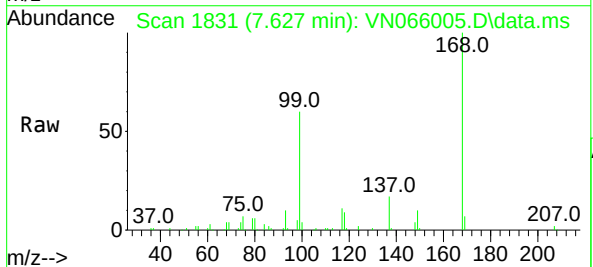
Instrument :
MSVOA_N
ClientSampled :

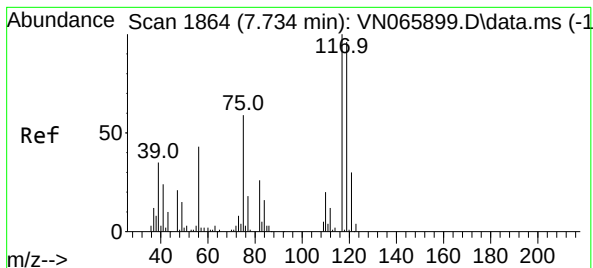
Tgt Ion:113 Resp: 64893
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 17.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Tgt Ion: 75 Resp: 10035
Ion Ratio Lower Upper
75 100
110 9.7 18.2 54.6#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.80 ug/l

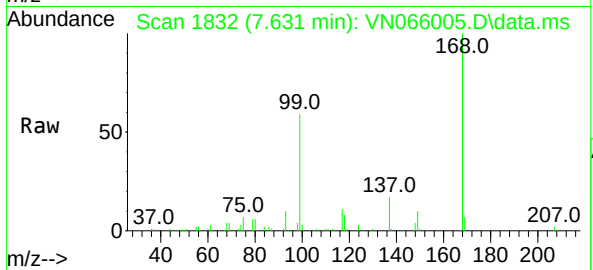
RT: 7.631 min Scan# 1832

Delta R.T. -0.103 min

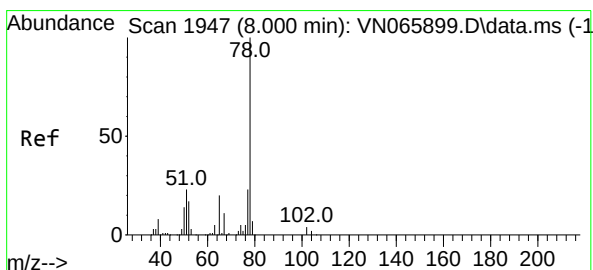
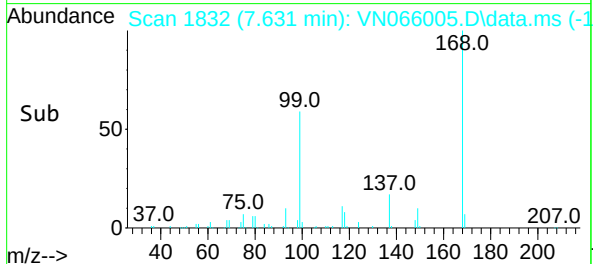
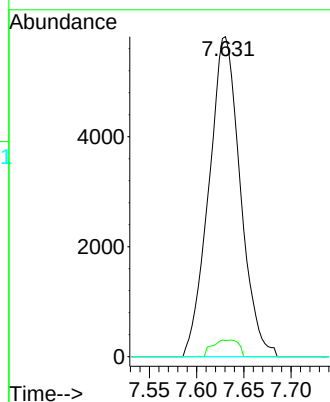
Lab File: VN066005.D

Acq: 24 Feb 2021 15:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	117	Resp:	13451
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.0	114.0#
121	0.0	24.5	36.7#



#40

Benzene

Concen: 0.22 ug/l

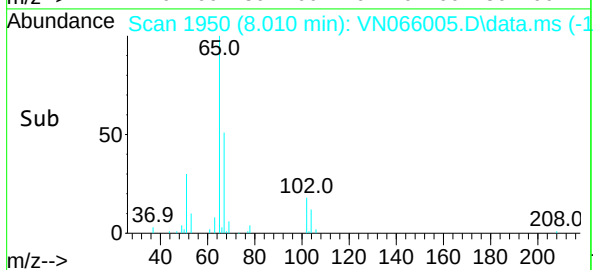
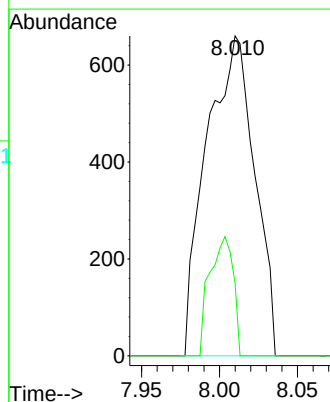
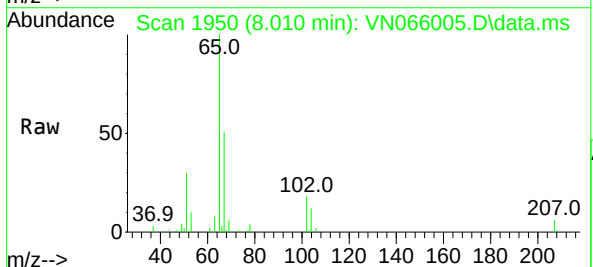
RT: 8.010 min Scan# 1950

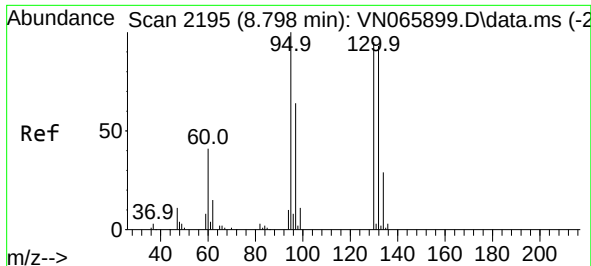
Delta R.T. 0.010 min

Lab File: VN066005.D

Acq: 24 Feb 2021 15:42

Tgt Ion:	78	Resp:	1414
Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4

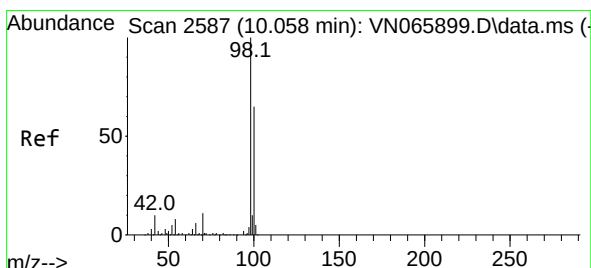
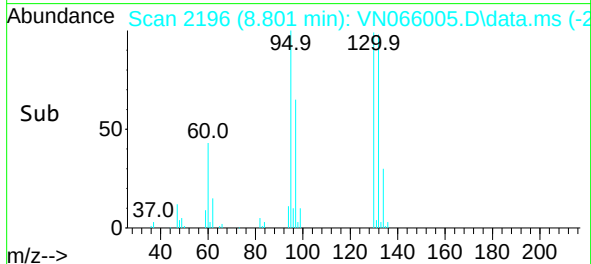
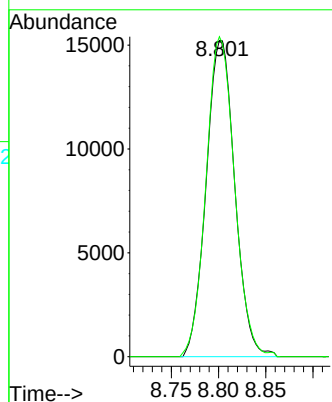
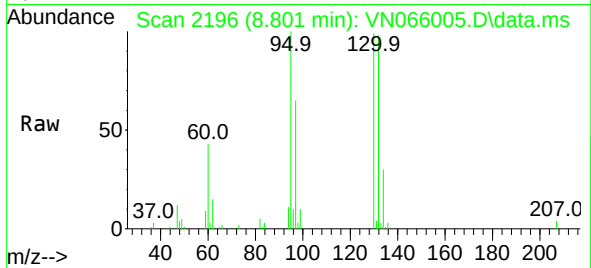




#44
Trichloroethene
Concen: 19.88 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

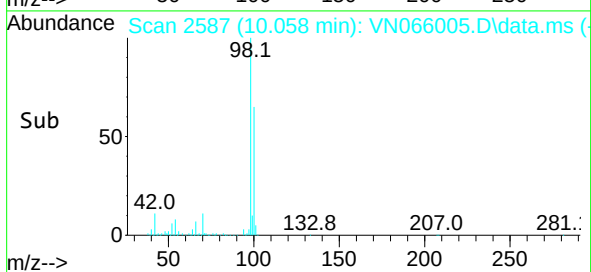
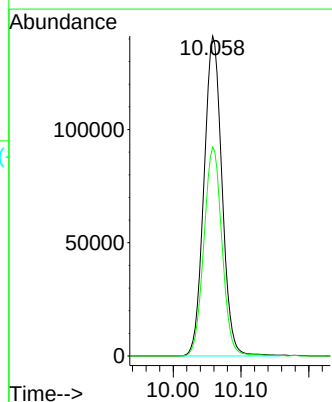
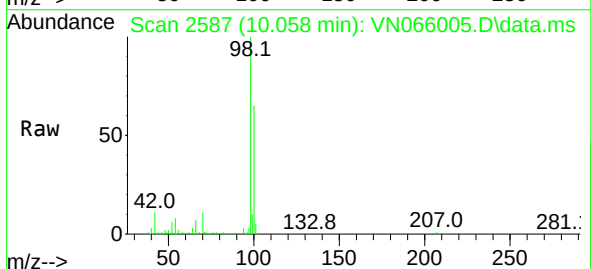
Instrument :
MSVOA_N
ClientSampled :

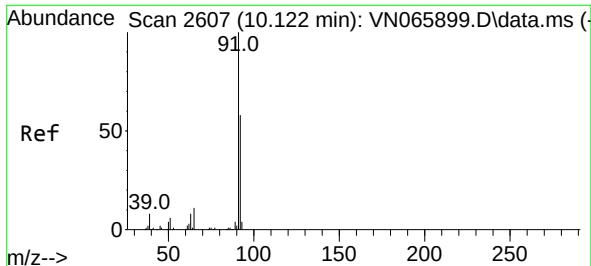
Tgt Ion:130 Resp: 32093
Ion Ratio Lower Upper
130 100
95 101.2 0.0 199.6



#50
Toluene-d8
Concen: 47.57 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Tgt Ion: 98 Resp: 260700
Ion Ratio Lower Upper
98 100
100 65.7 50.5 75.7

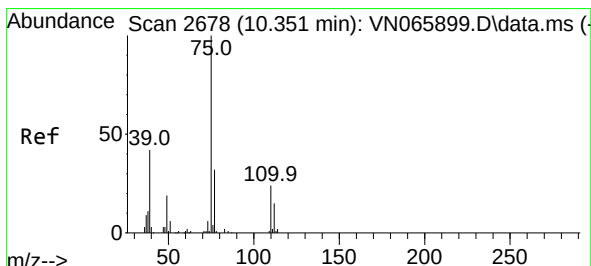
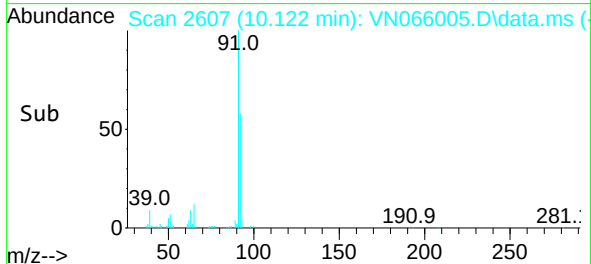
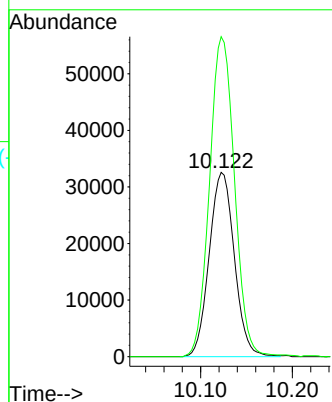
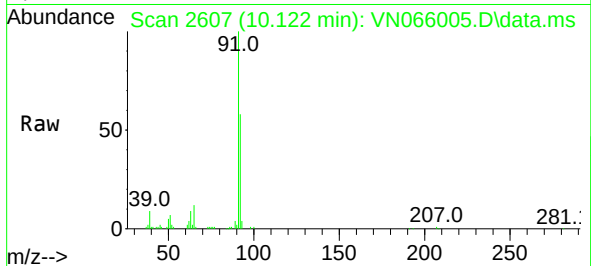




#52
Toluene
Concen: 15.49 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

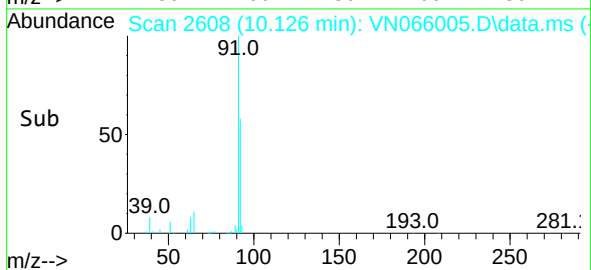
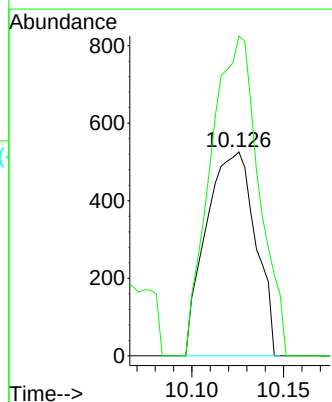
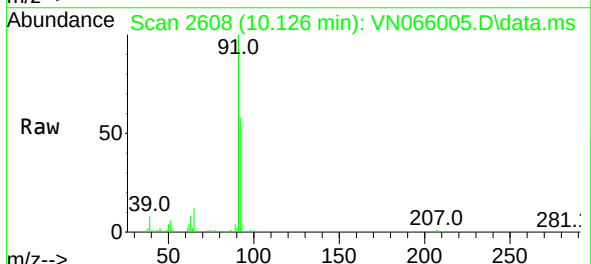
Instrument :
MSVOA_N
ClientSampled :

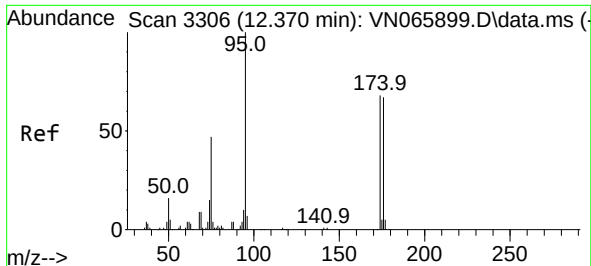
Tgt Ion: 92 Resp: 62077
Ion Ratio Lower Upper
92 100
91 173.0 140.7 211.1



#53
t-1,3-Dichloropropene
Concen: 2.35 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.225 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Tgt Ion: 75 Resp: 981
Ion Ratio Lower Upper
75 100
77 156.8 26.2 39.4#

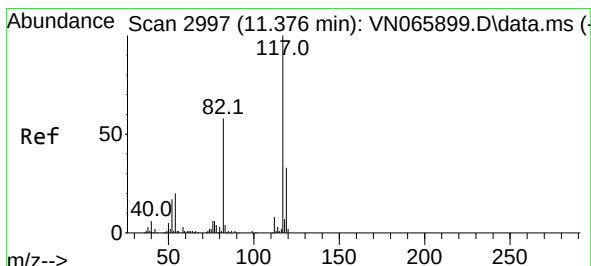
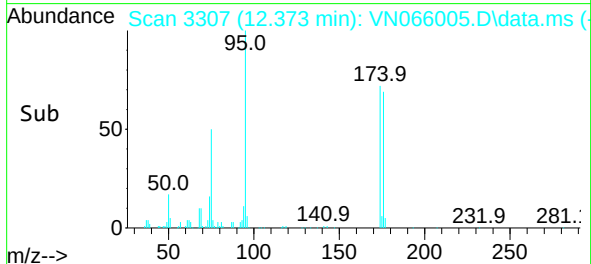
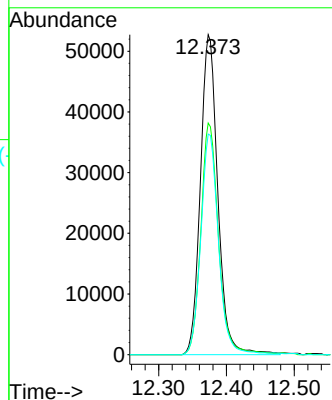
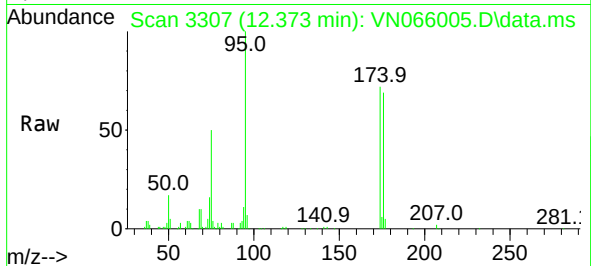




#62
4-Bromofluorobenzene
Concen: 45.86 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

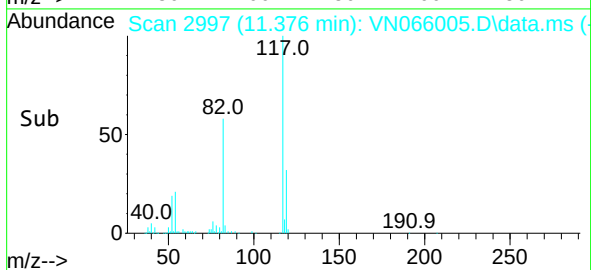
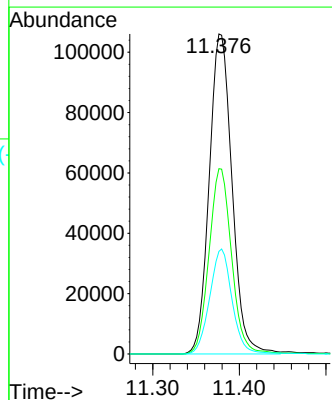
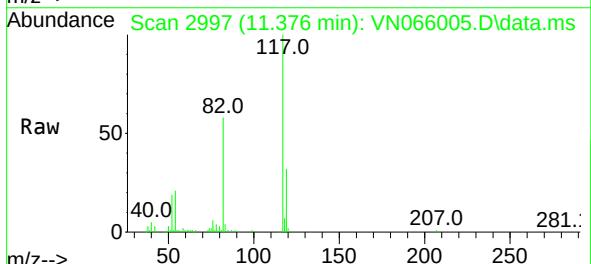
Instrument :
MSVOA_N
ClientSampleId :

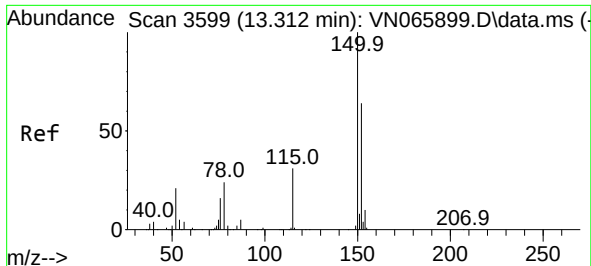
Tgt Ion: 95 Resp: 94362
Ion Ratio Lower Upper
95 100
174 73.5 0.0 169.0
176 69.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Tgt Ion: 117 Resp: 193975
Ion Ratio Lower Upper
117 100
82 57.9 43.7 65.5
119 32.0 26.1 39.1

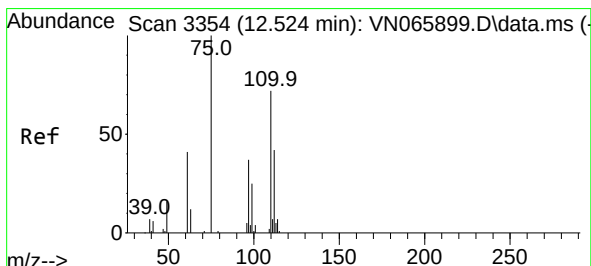
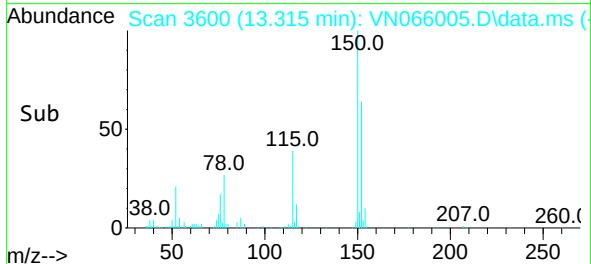
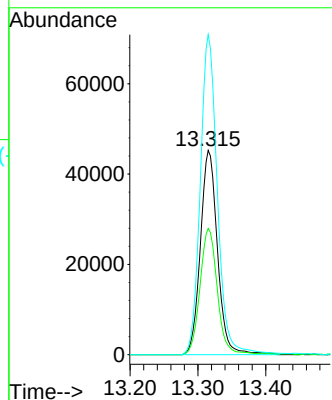
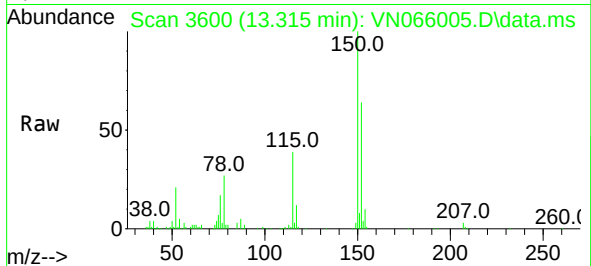




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN066005.D
 Acq: 24 Feb 2021 15:42

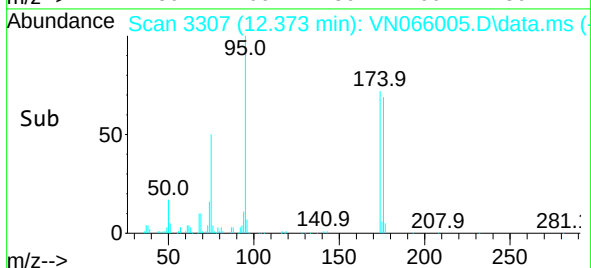
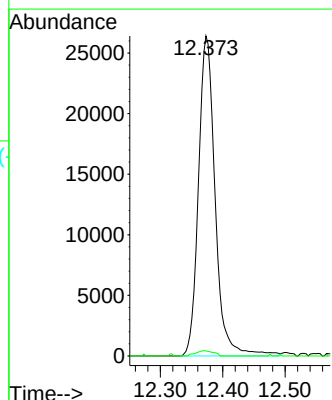
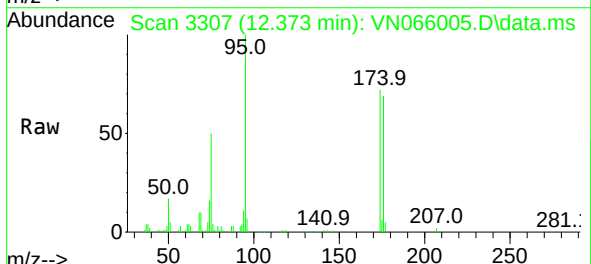
Instrument :
 MSVOA_N
 ClientSampled :

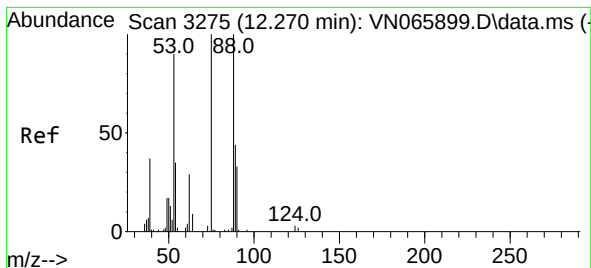
Tgt Ion:152 Resp: 79449
 Ion Ratio Lower Upper
 152 100
 115 62.2 28.5 85.6
 150 156.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 25.76 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN066005.D
 Acq: 24 Feb 2021 15:42

Tgt Ion: 75 Resp: 49167
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

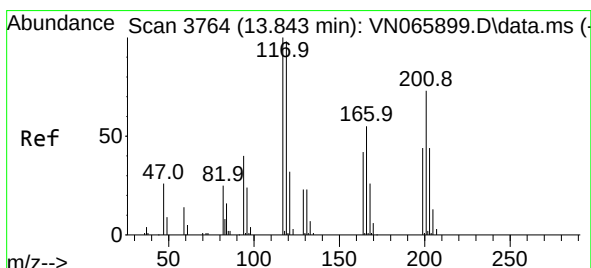
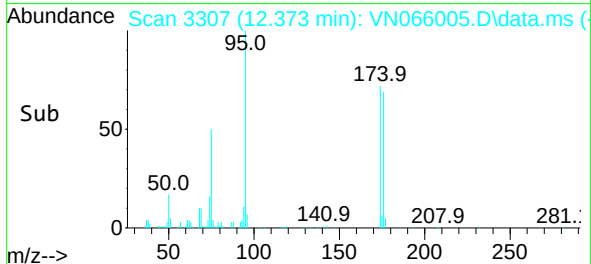
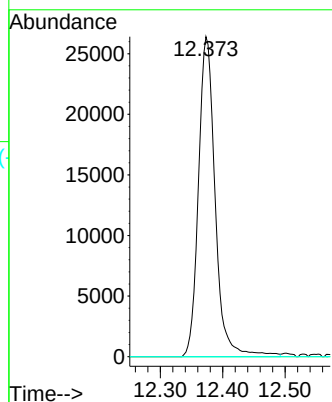
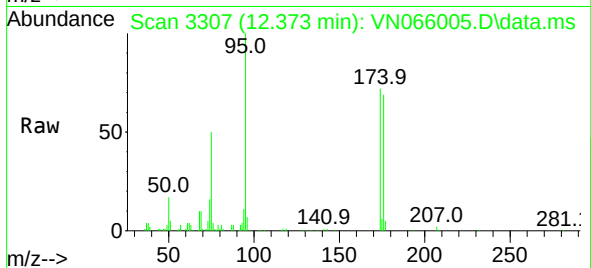




#81
trans-1,4-Dichloro-2-butene
Concen: 82.10 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

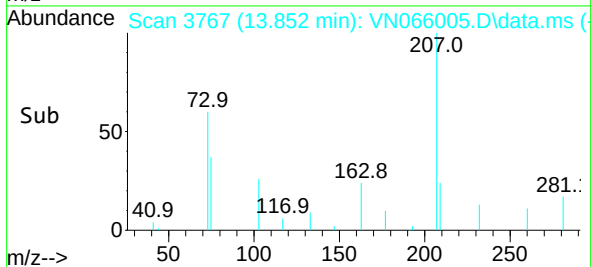
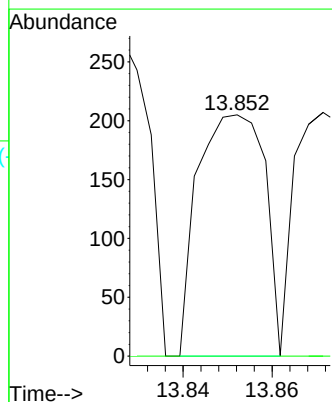
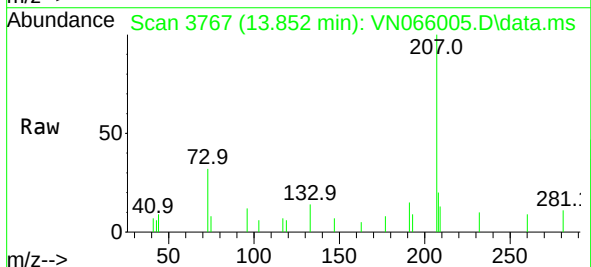
Instrument :
MSVOA_N
ClientSampled :

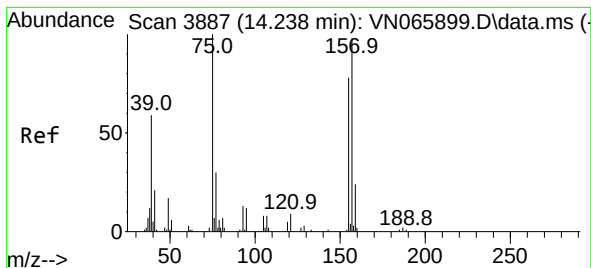
Tgt Ion: 75 Resp: 49167
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#90
Hexachloroethane
Concen: 0.23 ug/l
RT: 13.852 min Scan# 3767
Delta R.T. 0.009 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Tgt Ion: 117 Resp: 213
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#

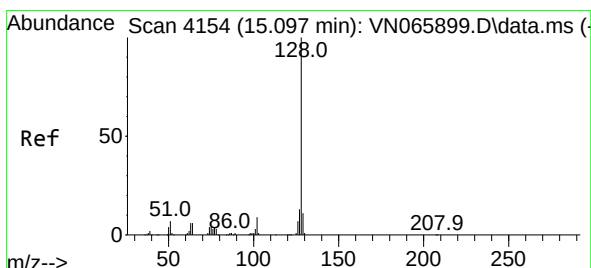
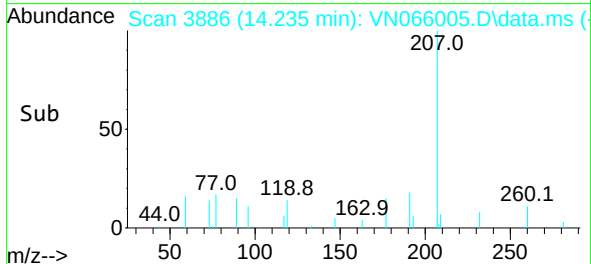
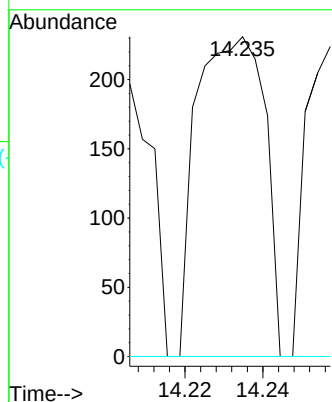
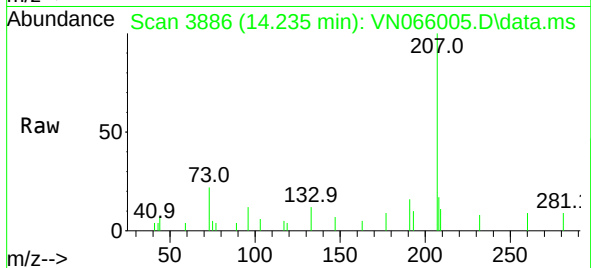




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.58 ug/l
RT: 14.235 min Scan# 3886
Delta R.T. -0.003 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 280
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 3.10 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN066005.D
Acq: 24 Feb 2021 15:42

Tgt Ion: 128 Resp: 196
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

