

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022521\
 Data File : VN066023.D
 Acq On : 25 Feb 2021 13:12
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 26 01:19:05 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)

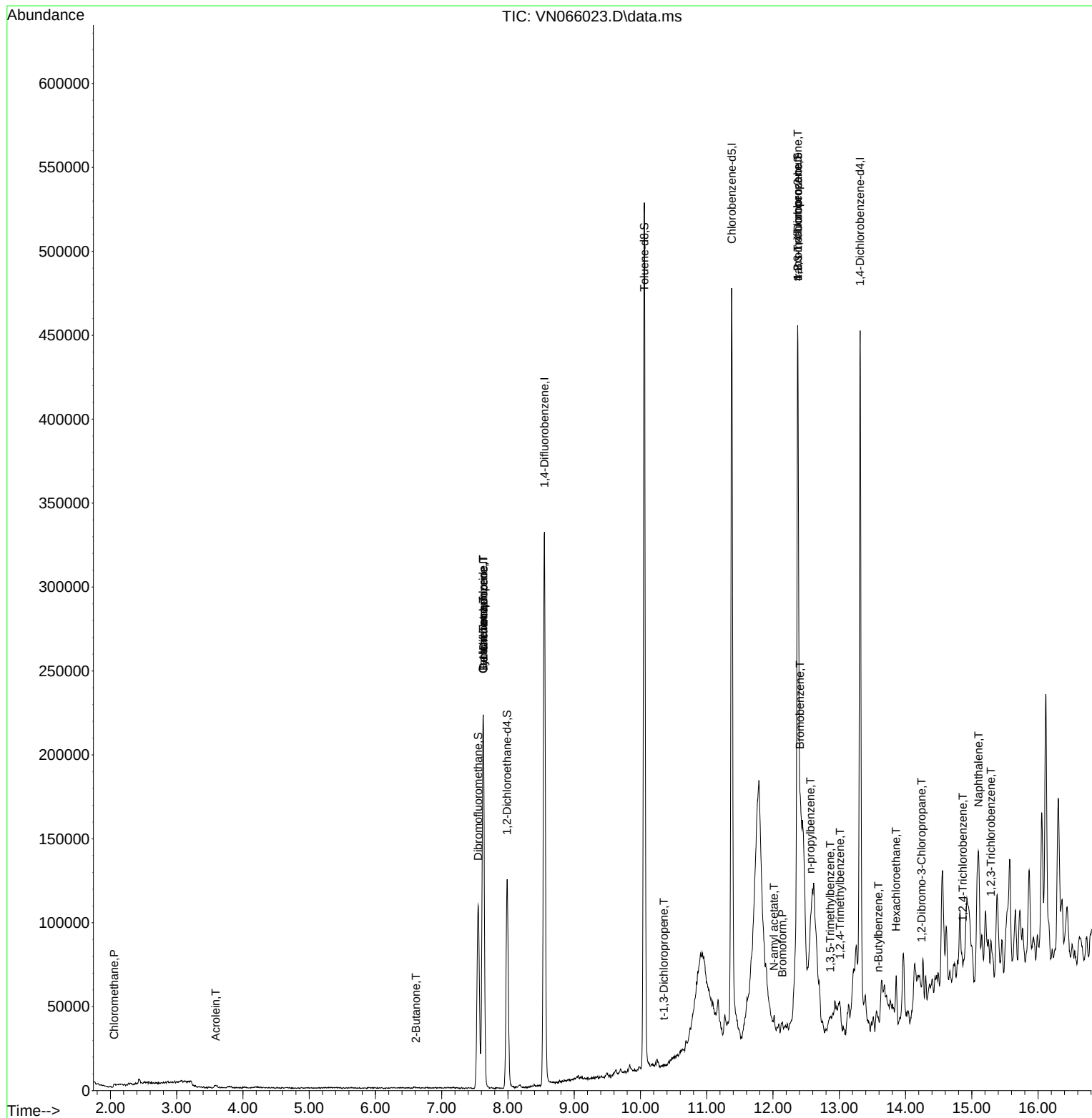
Internal Standards						
1) Pentafluorobenzene	7.627	168	183086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	311959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	270905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	118854	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	111157	43.42	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.84%		
35) Dibromofluoromethane	7.550	113	90115	46.67	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.34%		
50) Toluene-d8	10.058	98	375830	47.42	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.84%		
62) 4-Bromofluorobenzene	12.373	95	130314	43.80	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.60%		
Target Compounds						Qvalue
3) Chloromethane	2.055	50	900	0.30	ug/l	97
13) Acrolein	3.589	56	1794	5.51	ug/l	86
16) Acetone	3.801	43	1190	Below Cal	#	41
25) 2-Butanone	6.611	43	360	0.28	ug/l #	46
31) Cyclohexane	7.624	56	3415	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	13301	4.32	ug/l #	46
38) Carbon Tetrachloride	7.624	117	17960	6.28	ug/l #	17
53) t-1,3-Dichloropropene	10.351	75	67	2.00	ug/l #	42
71) Bromoform	12.142	173	172	2.61	ug/l #	29
74) N-amyl acetate	12.016	43	1270	0.38	ug/l #	54
76) 1,2,3-Trichloropropane	12.373	75	71177	24.93	ug/l #	100
77) Bromobenzene	12.409	156	112530	50.70	ug/l #	1
78) n-propylbenzene	12.566	91	7560	0.69	ug/l	84
80) 1,3,5-Trimethylbenzene	12.865	105	2658	0.32	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.373	75	71177	79.45	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	1709	0.21	ug/l	78
89) n-Butylbenzene	13.589	91	5588	0.83	ug/l #	75
90) Hexachloroethane	13.859	117	1246	0.92	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.241	75	162	1.13	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.865	180	123	2.52	ug/l #	1
95) Naphthalene	15.100	128	38086	8.24	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.289	180	199	2.26	ug/l #	1

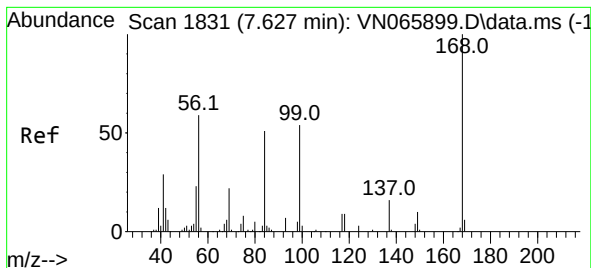
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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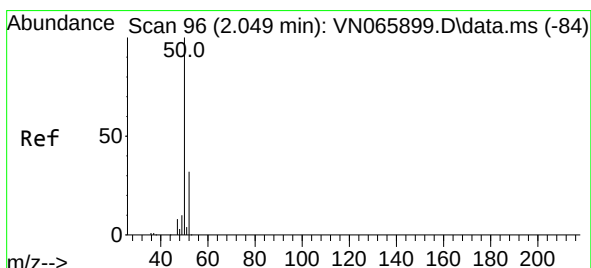
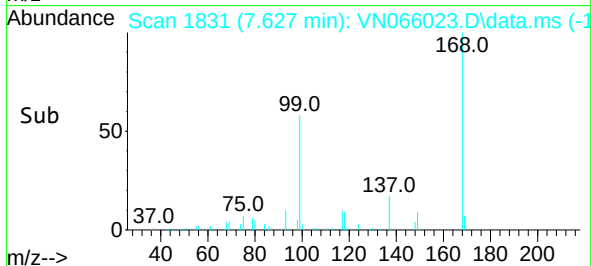
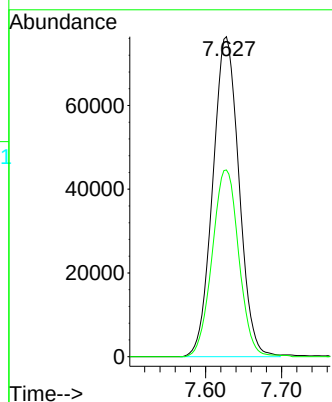
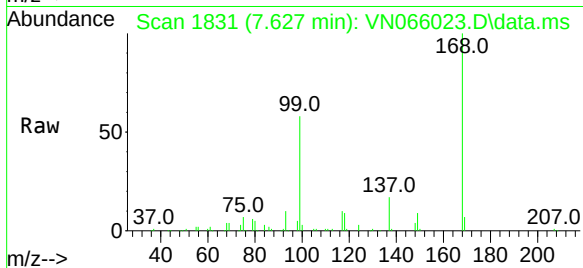




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

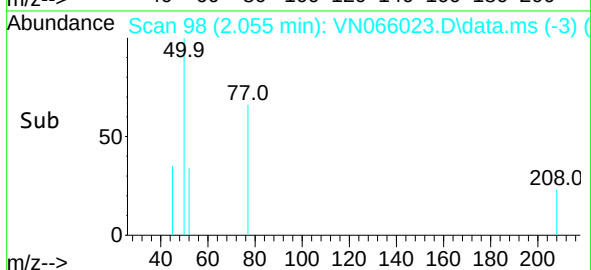
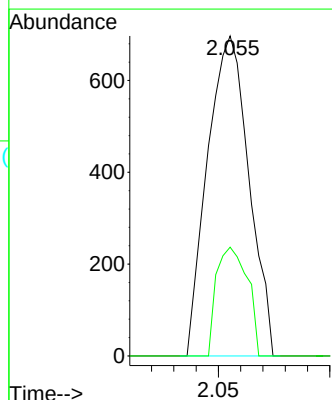
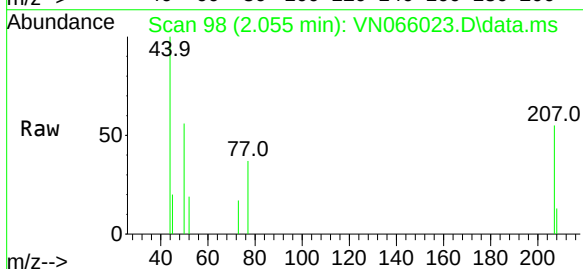
Instrument :
MSVOA_N
ClientSampleId :

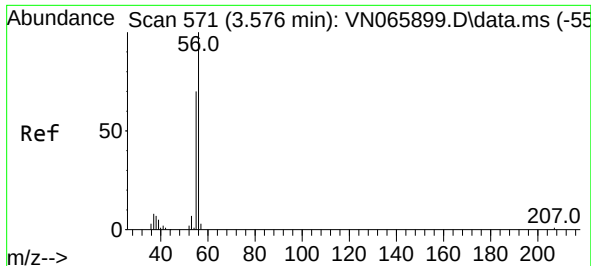
Tgt Ion:168 Resp: 183086
Ion Ratio Lower Upper
168 100
99 58.4 42.6 63.8



#3
Chloromethane
Concen: 0.30 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

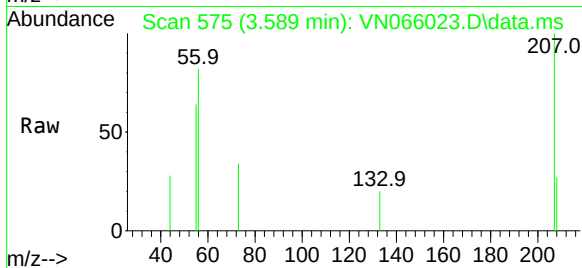
Tgt Ion: 50 Resp: 900
Ion Ratio Lower Upper
50 100
52 34.0 25.8 38.8



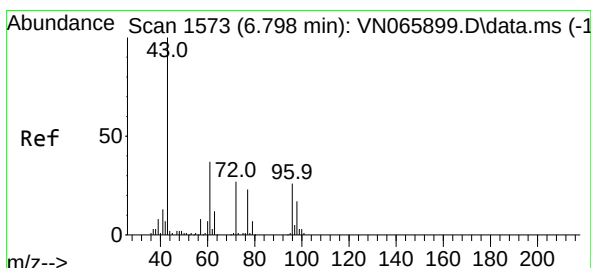
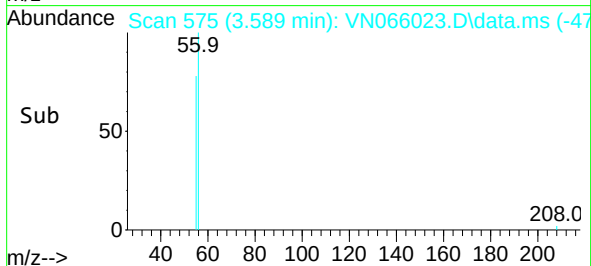
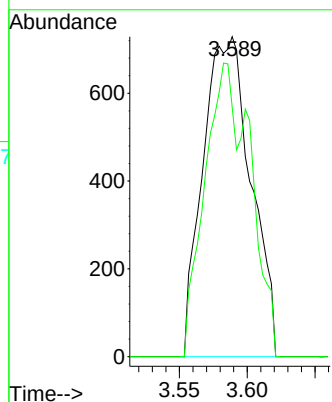


#13
Acrolein
Concen: 5.51 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Instrument :
MSVOA_N
ClientSampleId :

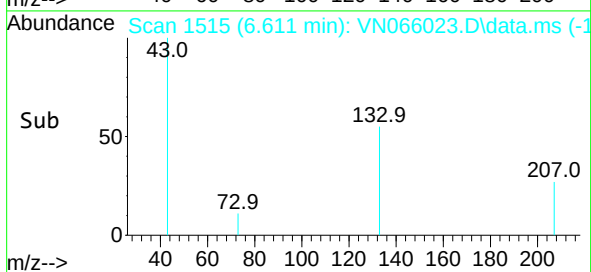
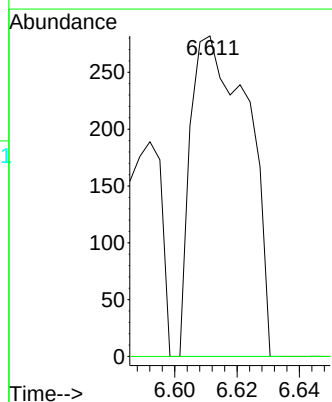
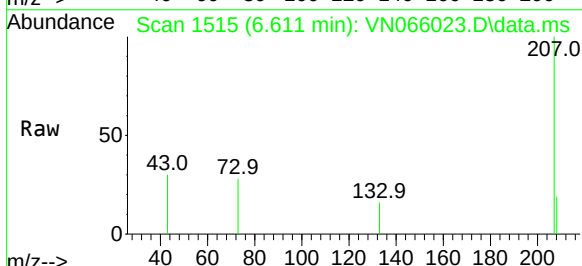


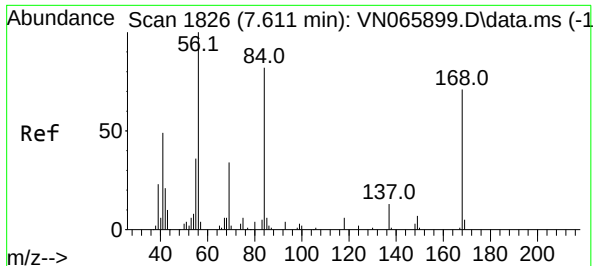
Tgt Ion: 56 Resp: 1794
Ion Ratio Lower Upper
56 100
55 58.2 56.0 84.0



#25
2-Butanone
Concen: 0.28 ug/l
RT: 6.611 min Scan# 1515
Delta R.T. -0.187 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Tgt Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#





#31

Cyclohexane

Concen: 0.89 ug/l

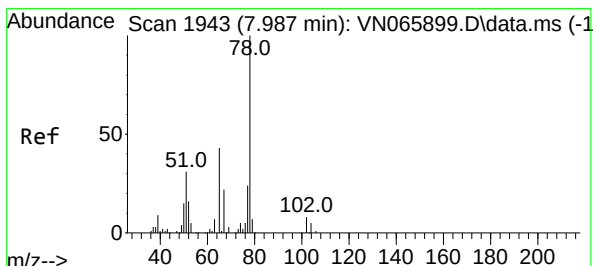
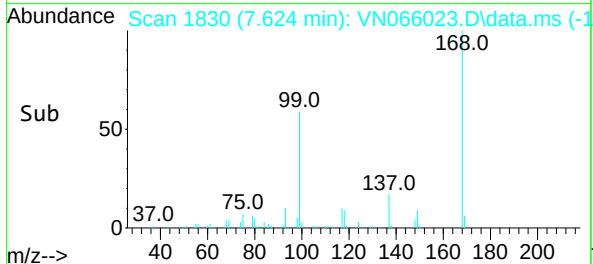
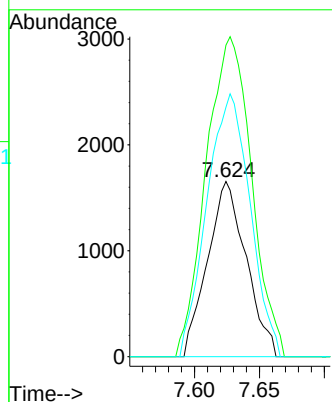
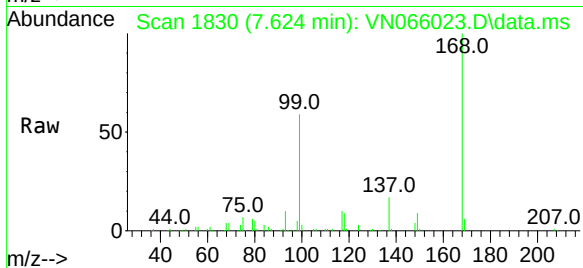
RT: 7.624 min Scan# 1830

Delta R.T. 0.013 min

Lab File: VN066023.D

Acq: 25 Feb 2021 13:12

Tgt Ion: 56	Resp: 3415
Ion Ratio	Lower Upper
56	100
69	167.8 26.6 39.8#
84	142.4 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 43.42 ug/l

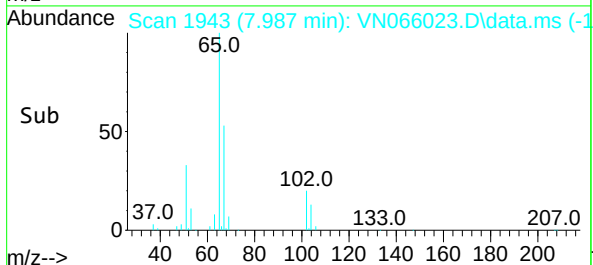
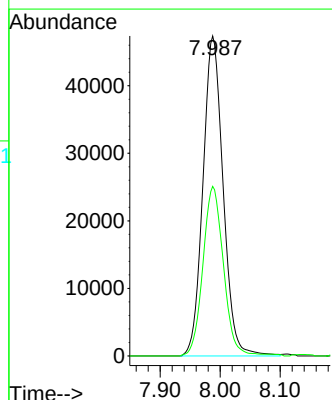
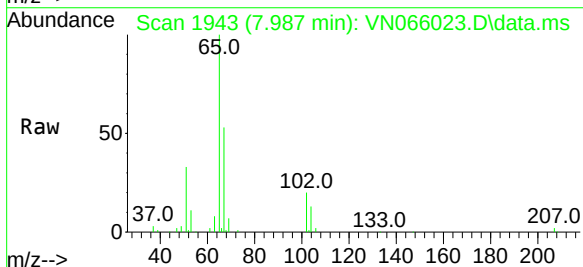
RT: 7.987 min Scan# 1943

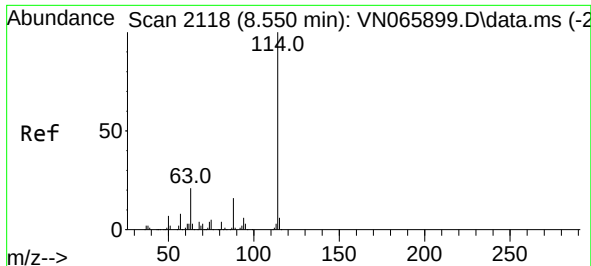
Delta R.T. 0.000 min

Lab File: VN066023.D

Acq: 25 Feb 2021 13:12

Tgt Ion: 65	Resp: 111157
Ion Ratio	Lower Upper
65	100
67	54.1 0.0 107.2

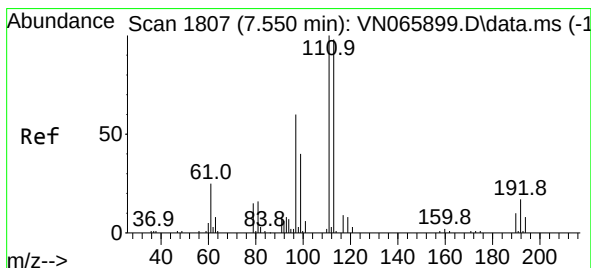
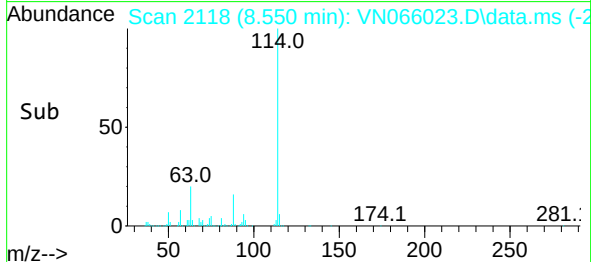
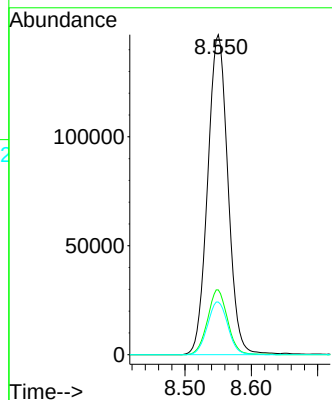
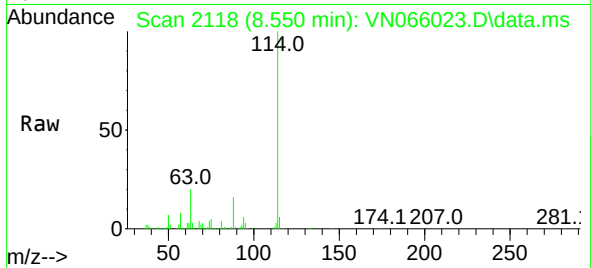




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

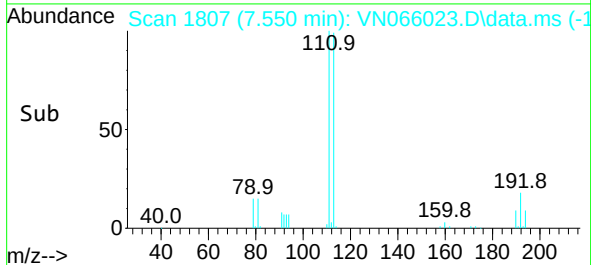
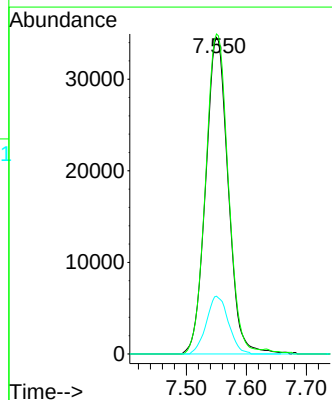
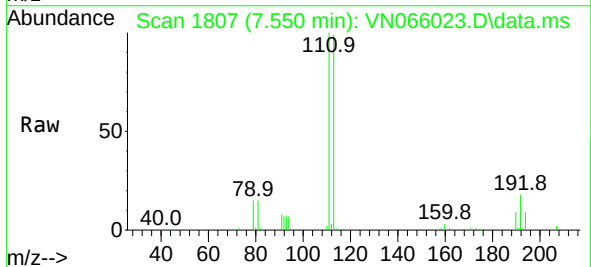
Instrument :
MSVOA_N
ClientSampleId :

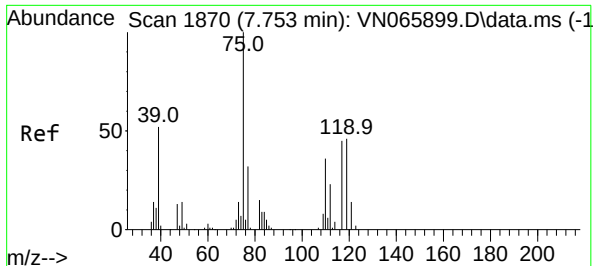
Tgt Ion:114 Resp: 311959
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.6
88 16.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.67 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Tgt Ion:113 Resp: 90115
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 17.9 15.4 23.0

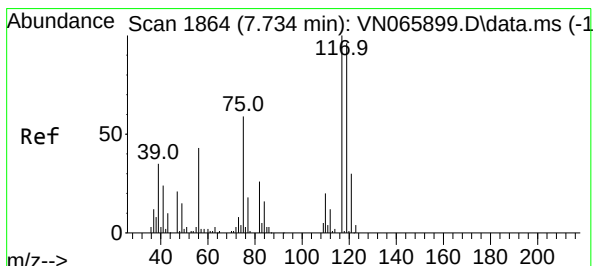
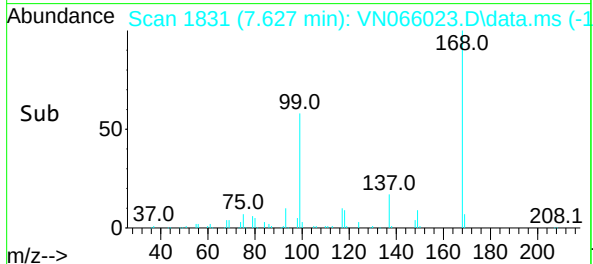
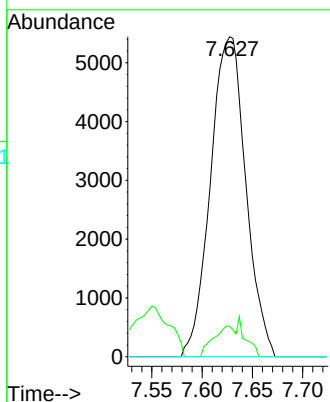
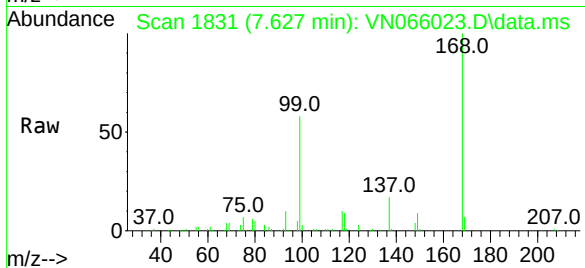




#36
1,1-Dichloropropene
Concen: 4.32 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

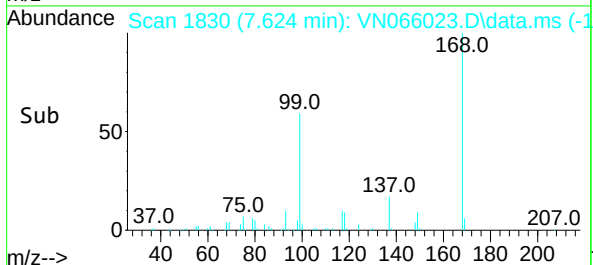
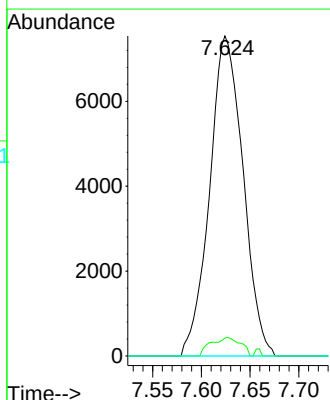
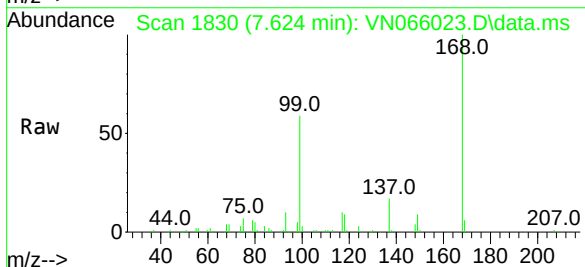
Instrument :
MSVOA_N
ClientSampled :

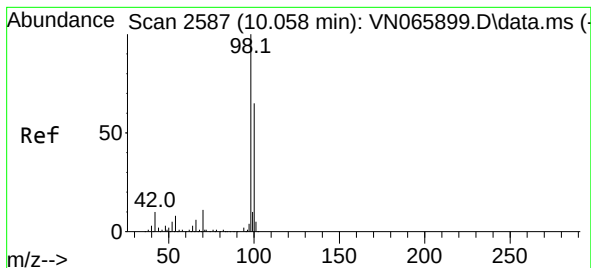
Tgt Ion: 75 Resp: 13301
Ion Ratio Lower Upper
75 100
110 5.9 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.28 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.110 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Tgt Ion:117 Resp: 17960
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#

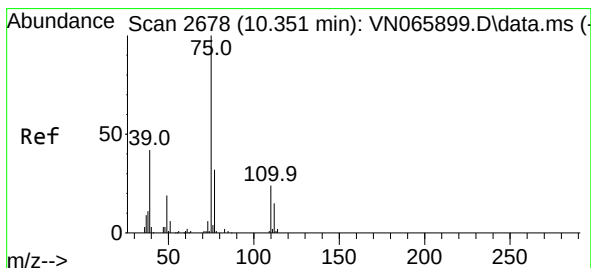
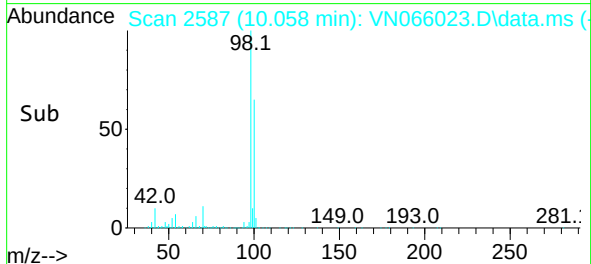
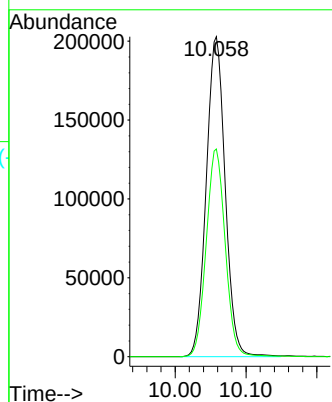
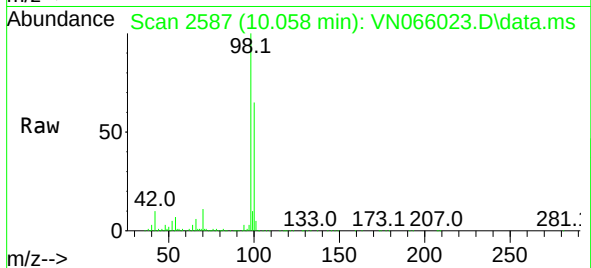




#50
Toluene-d8
Concen: 47.42 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

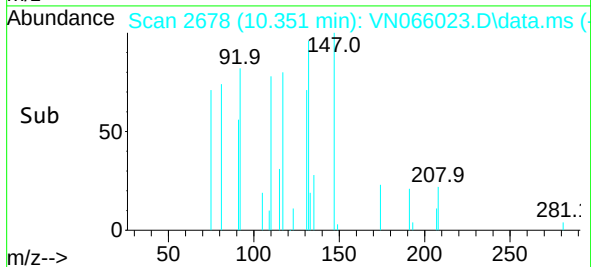
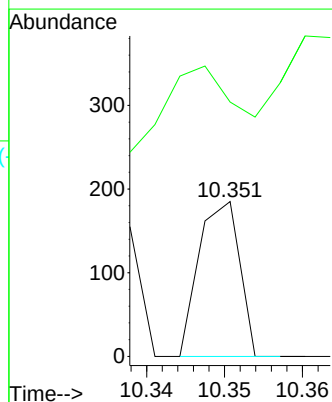
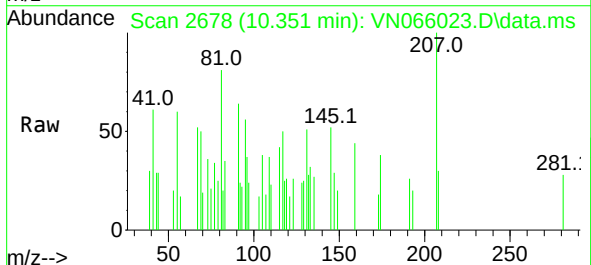
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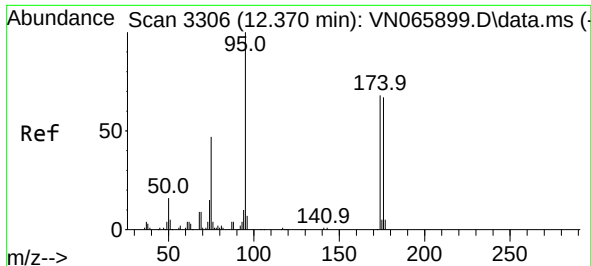
Tgt Ion: 98 Resp: 375830
Ion Ratio Lower Upper
98 100
100 65.3 50.5 75.7



#53
t-1,3-Dichloropropene
Concen: 2.00 ug/l
RT: 10.351 min Scan# 2678
Delta R.T. -0.000 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Tgt Ion: 75 Resp: 67
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#

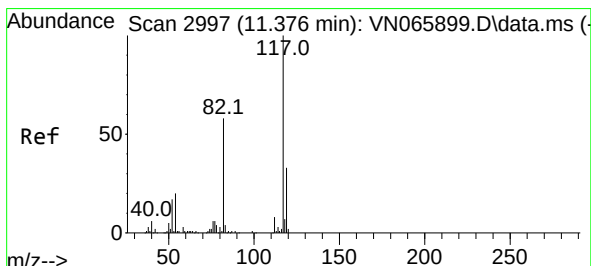
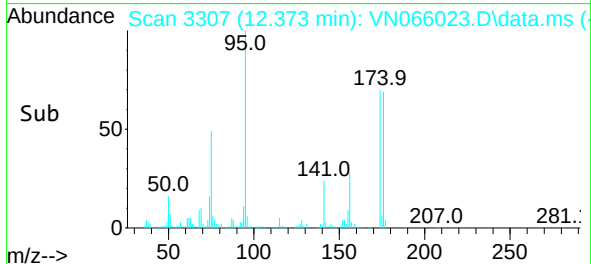
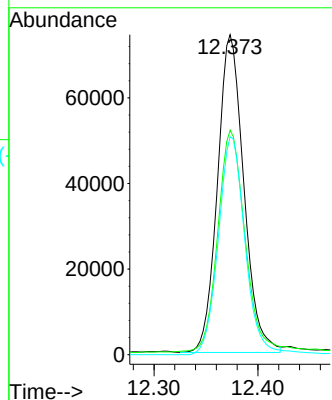
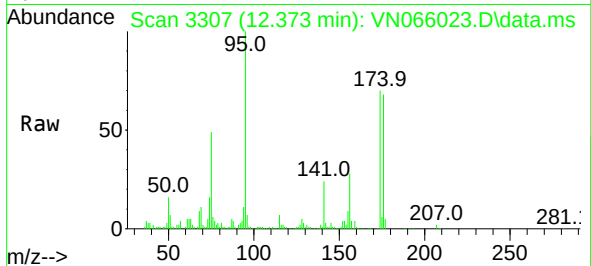




#62
4-Bromofluorobenzene
Concen: 43.80 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

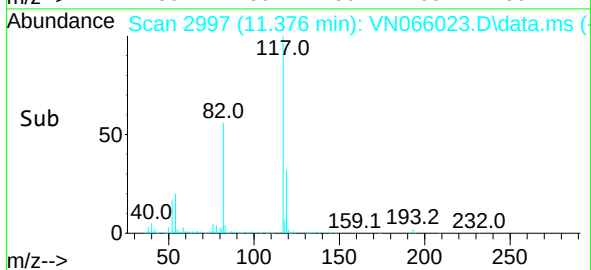
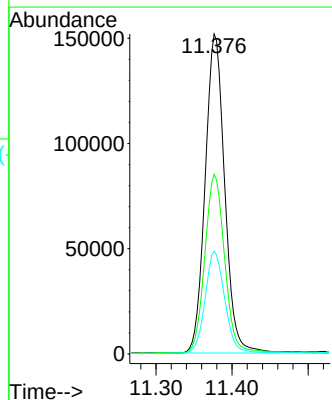
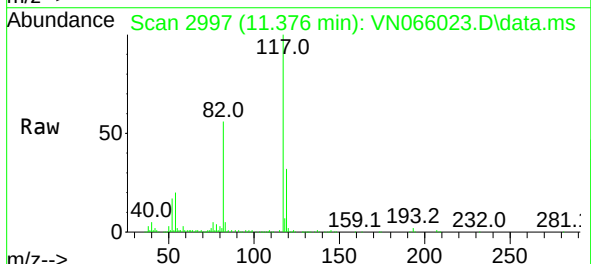
Instrument :
MSVOA_N
ClientSampleId :

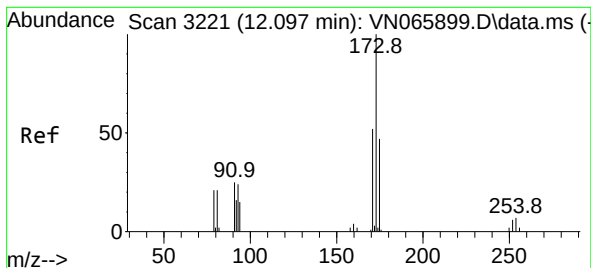
Tgt Ion: 95 Resp: 130314
Ion Ratio Lower Upper
95 100
174 73.0 0.0 169.0
176 70.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Tgt Ion: 117 Resp: 270905
Ion Ratio Lower Upper
117 100
82 55.9 43.7 65.5
119 32.0 26.1 39.1





#71

Bromoform

Concen: 2.61 ug/l

RT: 12.142 min Scan# 3235

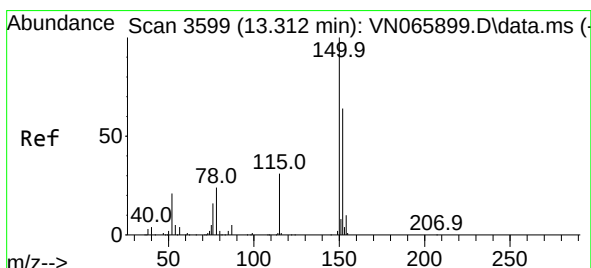
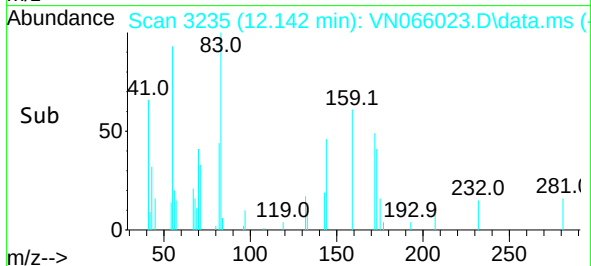
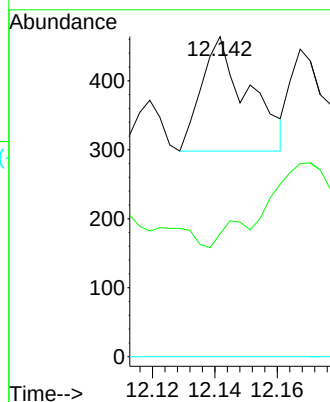
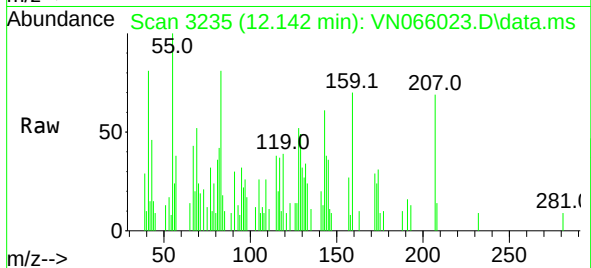
Delta R.T. 0.045 min

Lab File: VN066023.D

Acq: 25 Feb 2021 13:12

Tgt Ion:	173	Resp:	172
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.8	71.2#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampled :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

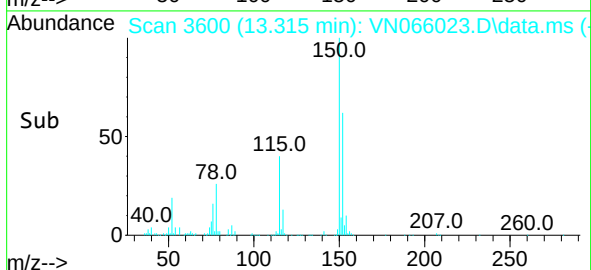
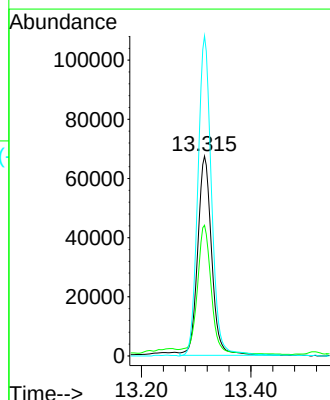
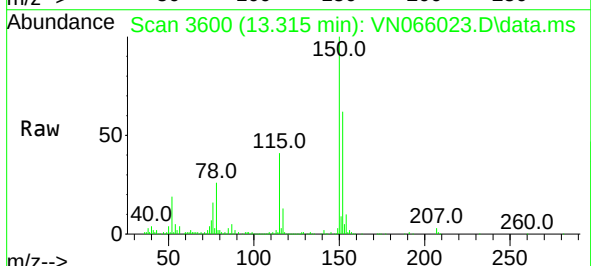
RT: 13.315 min Scan# 3600

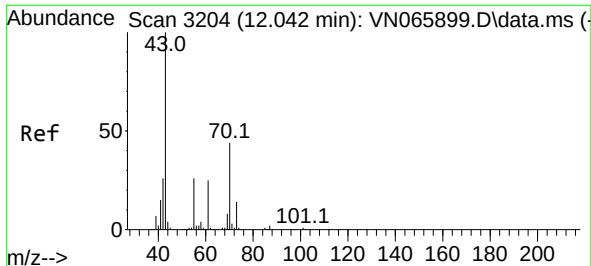
Delta R.T. 0.003 min

Lab File: VN066023.D

Acq: 25 Feb 2021 13:12

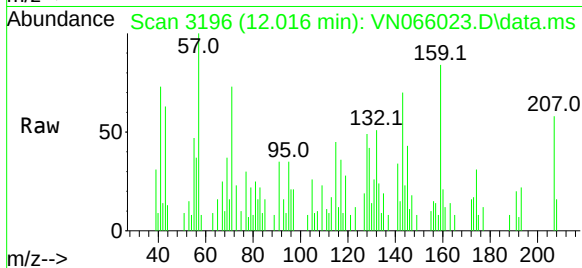
Tgt Ion:	152	Resp:	118854
Ion Ratio	Lower	Upper	
152	100		
115	63.4	28.5	85.6
150	158.1	0.0	347.6



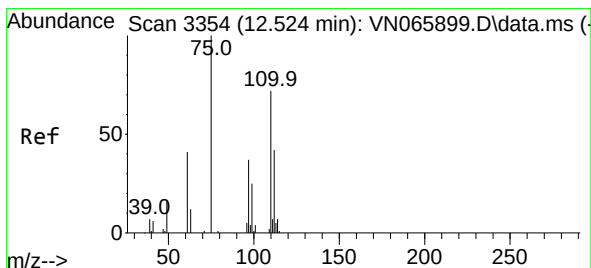
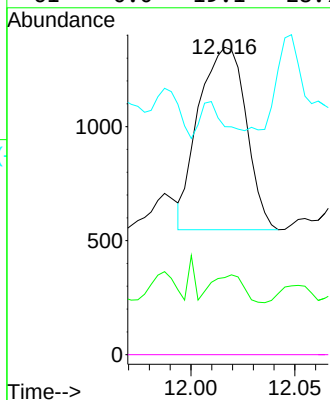
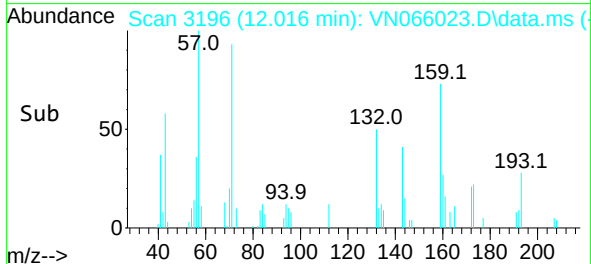


#74
N-amy1 acetate
Concen: 0.38 ug/l
RT: 12.016 min Scan# 3196
Delta R.T. -0.026 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

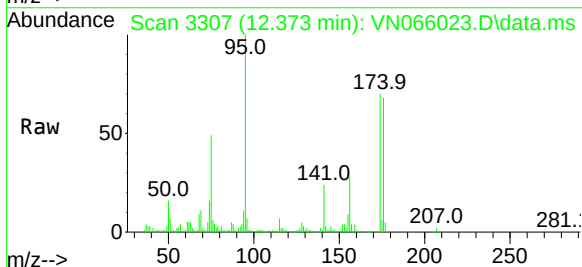
Instrument :
MSVOA_N
ClientSampleId :



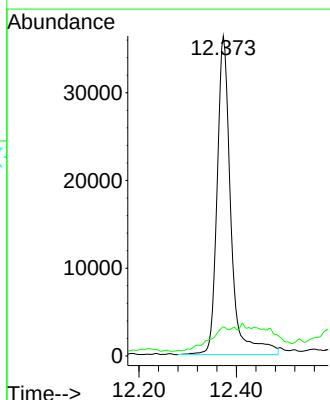
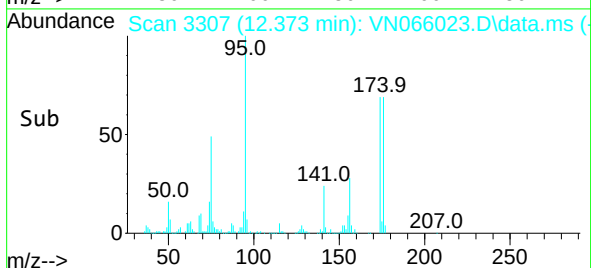
Tgt Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
70 9.4 34.4 51.6#
55 9.8 20.7 31.1#
61 0.0 19.1 28.7#

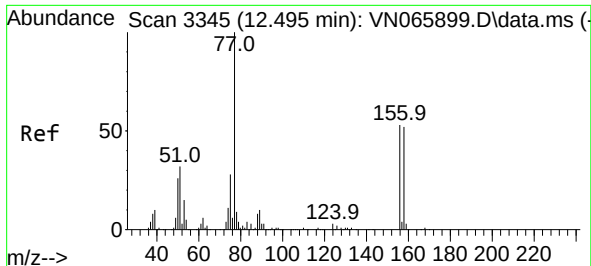


#76
1,2,3-Trichloropropane
Concen: 24.93 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12



Tgt Ion: 75 Resp: 71177
Ion Ratio Lower Upper
75 100
77 9.5 0.0 0.0#

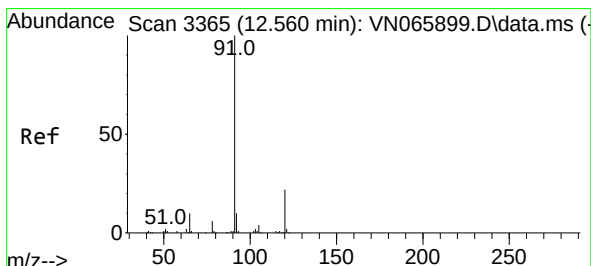
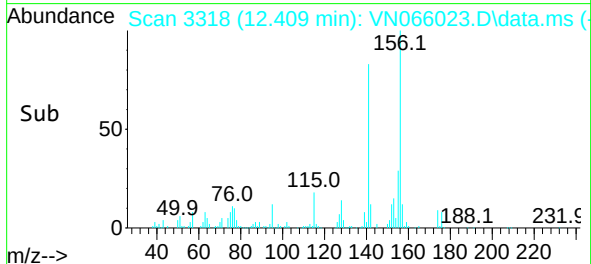
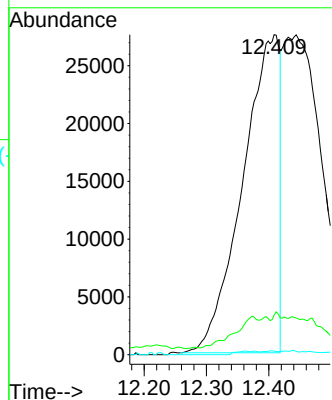
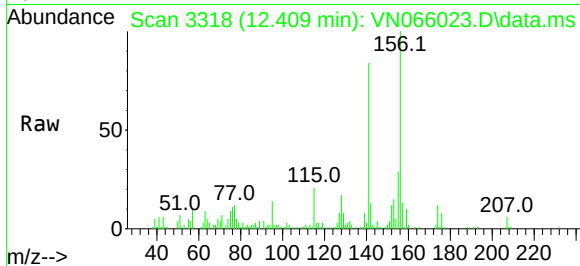




#77
Bromobenzene
Concen: 50.70 ug/l
RT: 12.409 min Scan# 3318
Delta R.T. -0.086 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

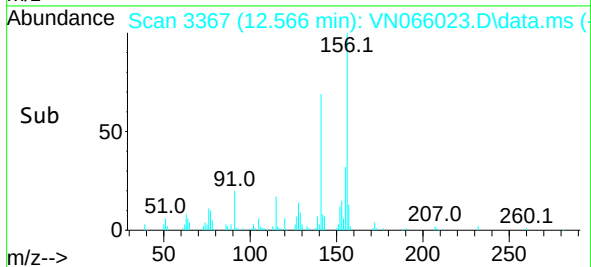
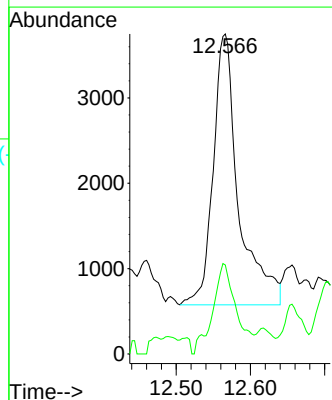
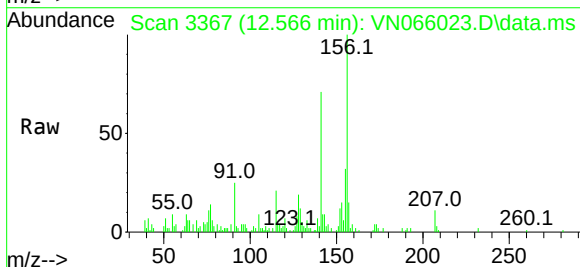
Instrument :
MSVOA_N
ClientSampled :

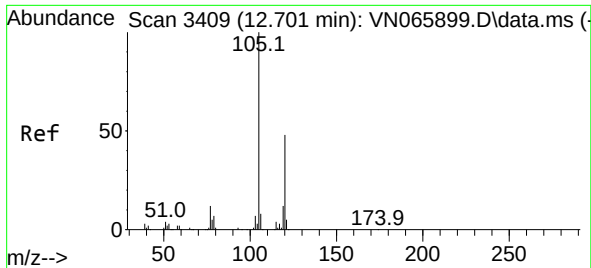
Tgt Ion:156 Resp: 112530
Ion Ratio Lower Upper
156 100
77 0.3 96.3 288.8#
158 0.0 49.0 147.0#



#78
n-propylbenzene
Concen: 0.69 ug/l
RT: 12.566 min Scan# 3367
Delta R.T. 0.006 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Tgt Ion: 91 Resp: 7560
Ion Ratio Lower Upper
91 100
120 31.2 11.8 35.3

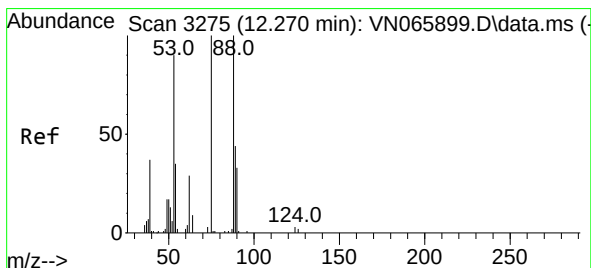
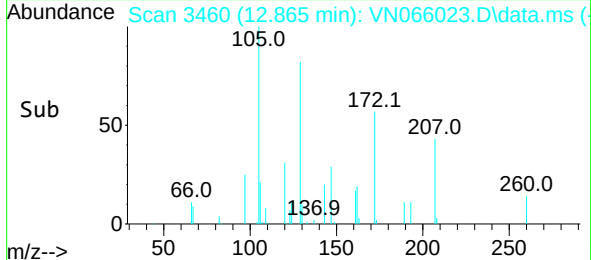
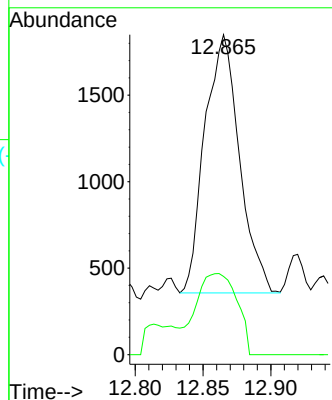
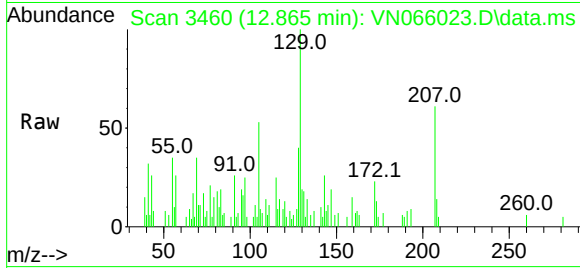




#80
1,3,5-Trimethylbenzene
Concen: 0.32 ug/l
RT: 12.865 min Scan# 3460
Delta R.T. 0.164 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

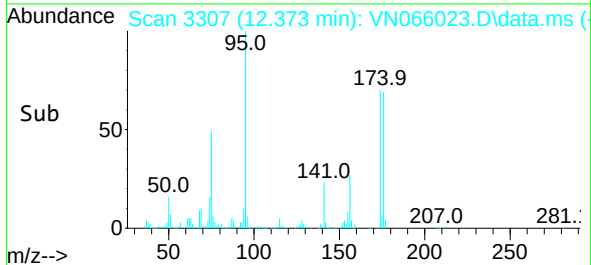
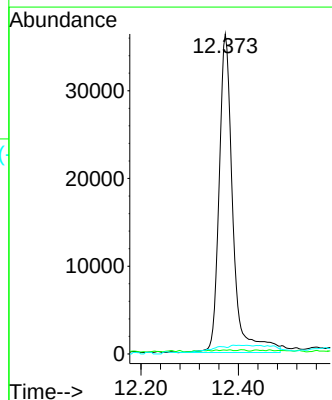
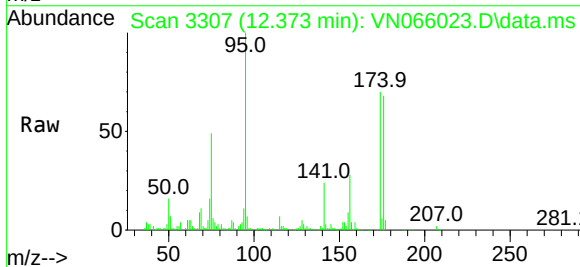
Instrument :
MSVOA_N
ClientSampleId :

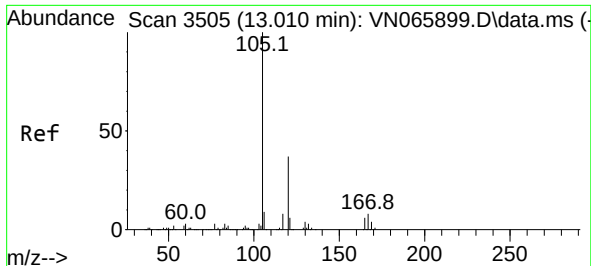
Tgt Ion:105 Resp: 2658
Ion Ratio Lower Upper
105 100
120 37.4 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 79.45 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Tgt Ion: 75 Resp: 71177
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

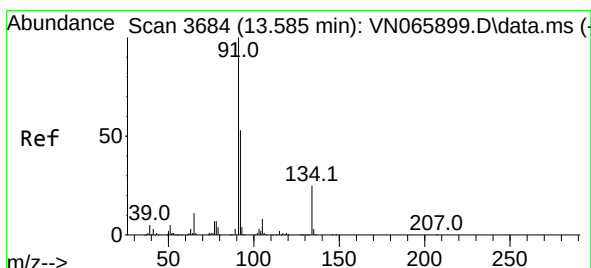
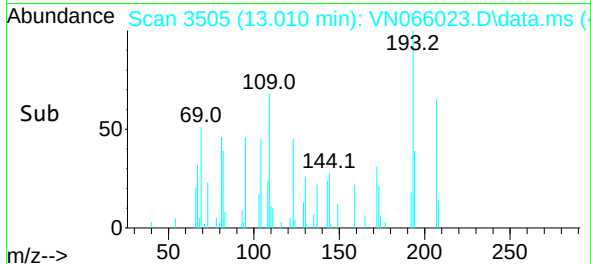
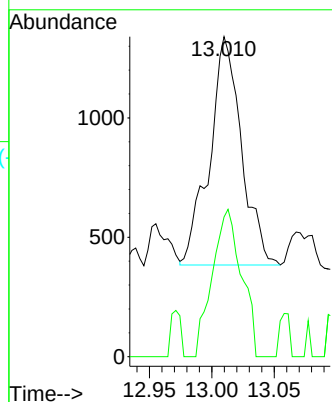
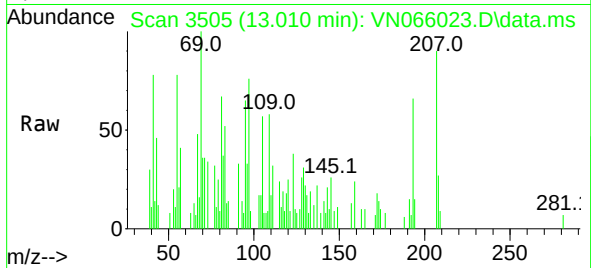




#84
1,2,4-Trimethylbenzene
Concen: 0.21 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

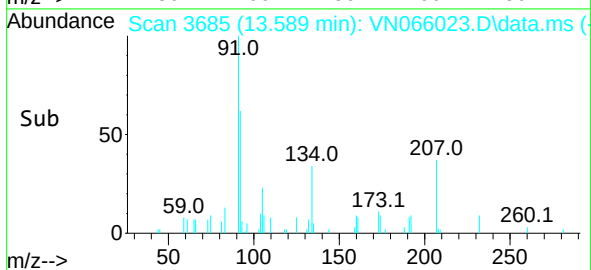
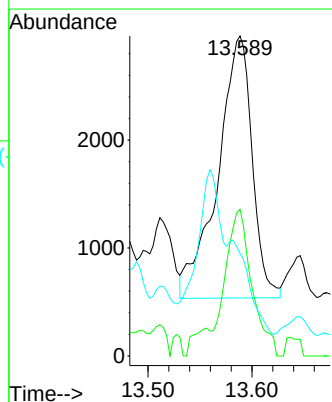
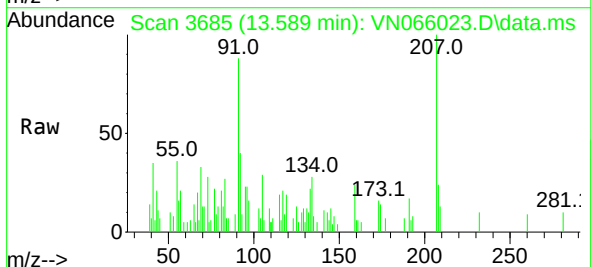
Instrument :
MSVOA_N
ClientSampleId :

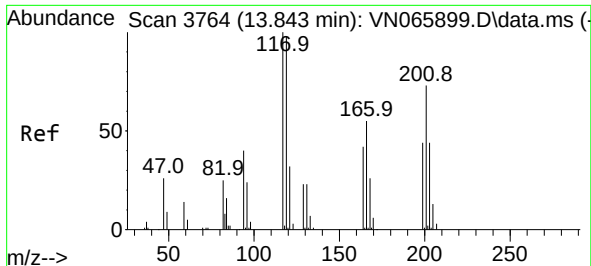
Tgt Ion:105 Resp: 1709
Ion Ratio Lower Upper
105 100
120 58.8 22.4 67.0



#89
n-Butylbenzene
Concen: 0.83 ug/l
RT: 13.589 min Scan# 3685
Delta R.T. 0.004 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Tgt Ion: 91 Resp: 5588
Ion Ratio Lower Upper
91 100
92 43.1 26.1 78.3
134 0.0 13.0 38.9#

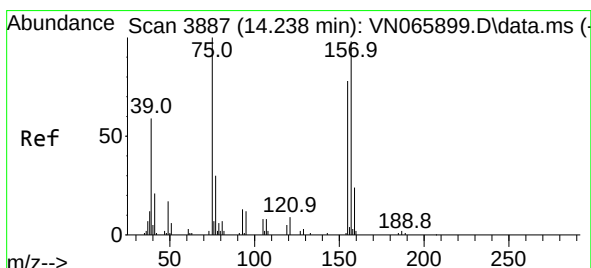
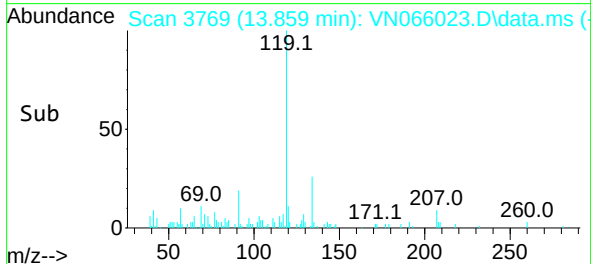
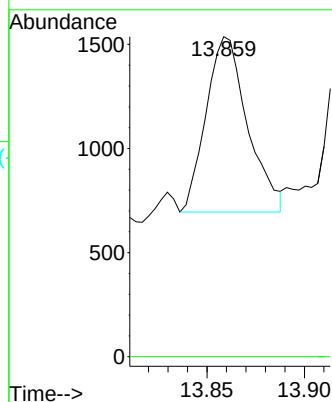
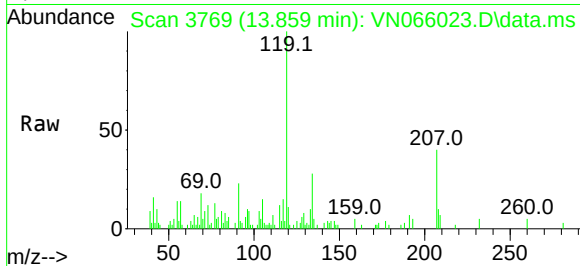




#90
Hexachloroethane
Concen: 0.92 ug/l
RT: 13.859 min Scan# 3769
Delta R.T. 0.016 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

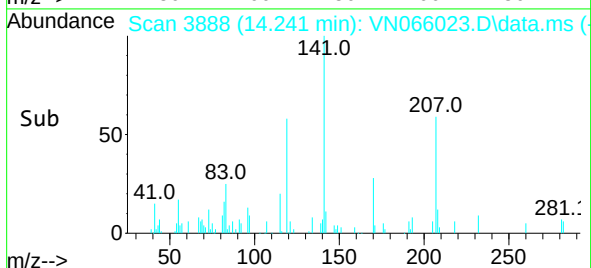
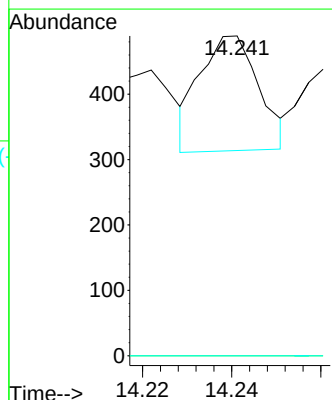
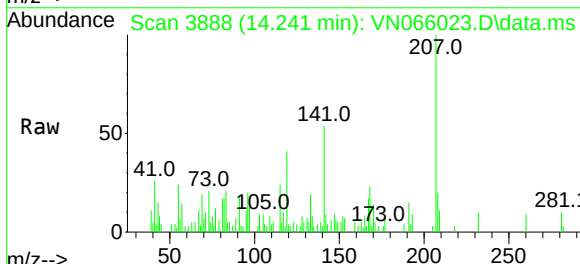
Instrument :
MSVOA_N
ClientSampleId :

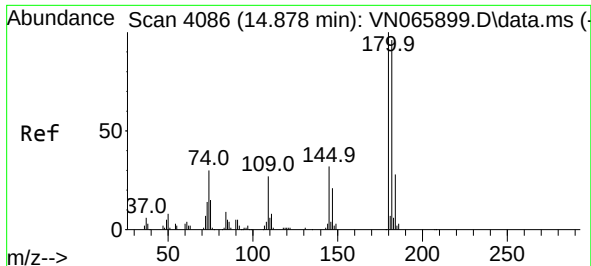
Tgt Ion:117 Resp: 1246
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.13 ug/l
RT: 14.241 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

Tgt Ion: 75 Resp: 162
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

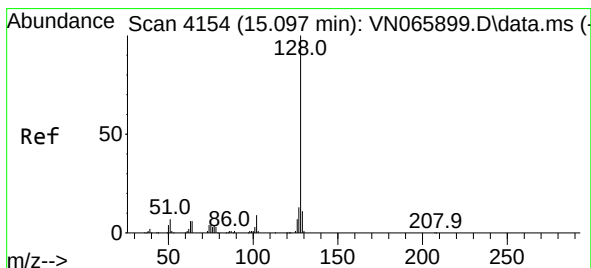
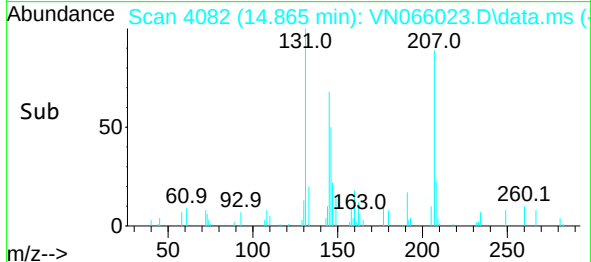
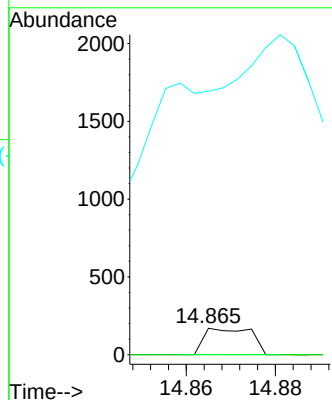
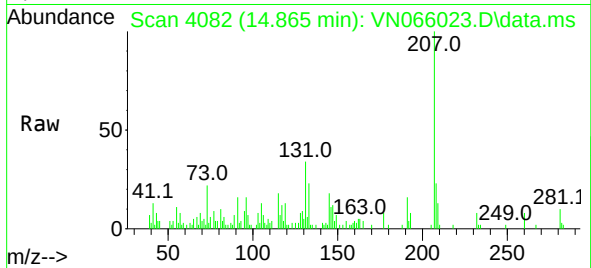




#93
1,2,4-Trichlorobenzene
Concen: 2.52 ug/l
RT: 14.865 min Scan# 4082
Delta R.T. -0.013 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

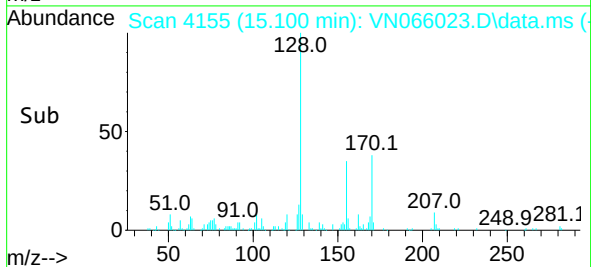
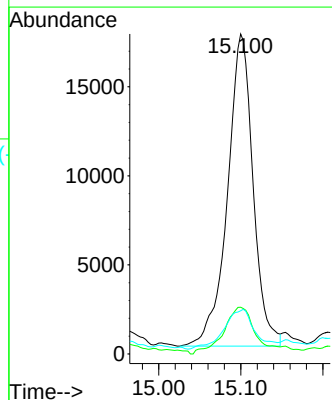
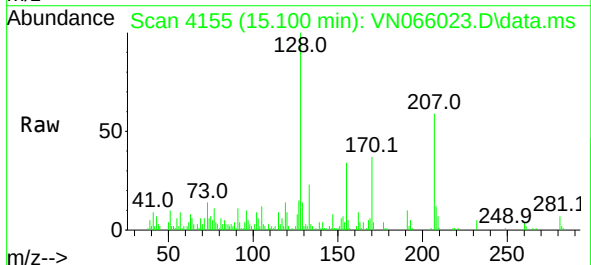
Instrument :
MSVOA_N
ClientSampled :

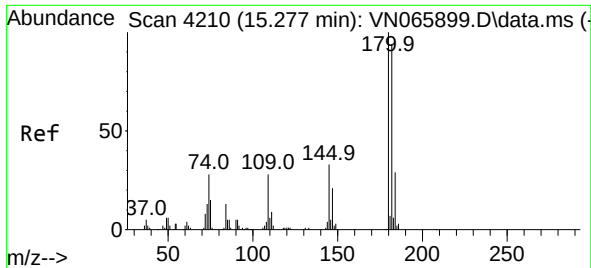
Tgt Ion:180 Resp: 123
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 848.0 15.6 46.8#



#95
Naphthalene
Concen: 8.24 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN066023.D
Acq: 25 Feb 2021 13:12

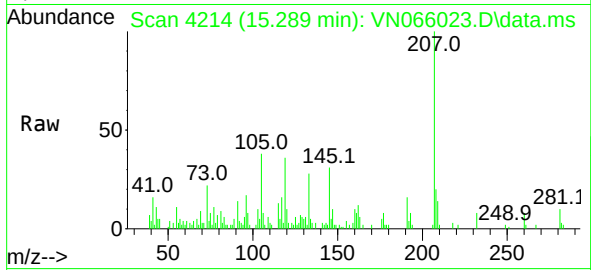
Tgt Ion:128 Resp: 38086
Ion Ratio Lower Upper
128 100
127 18.5 10.2 15.2#
129 15.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.26 ug/l
 RT: 15.289 min Scan# 4214
 Delta R.T. 0.012 min
 Lab File: VN066023.D
 Acq: 25 Feb 2021 13:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 199
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.3#
 145 4835.2 16.5 49.5#

