

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022421\
 Data File : VN066002.D
 Acq On : 24 Feb 2021 14:30
 Operator : JC/MD
 Sample : M1473-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 02:13:41 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)

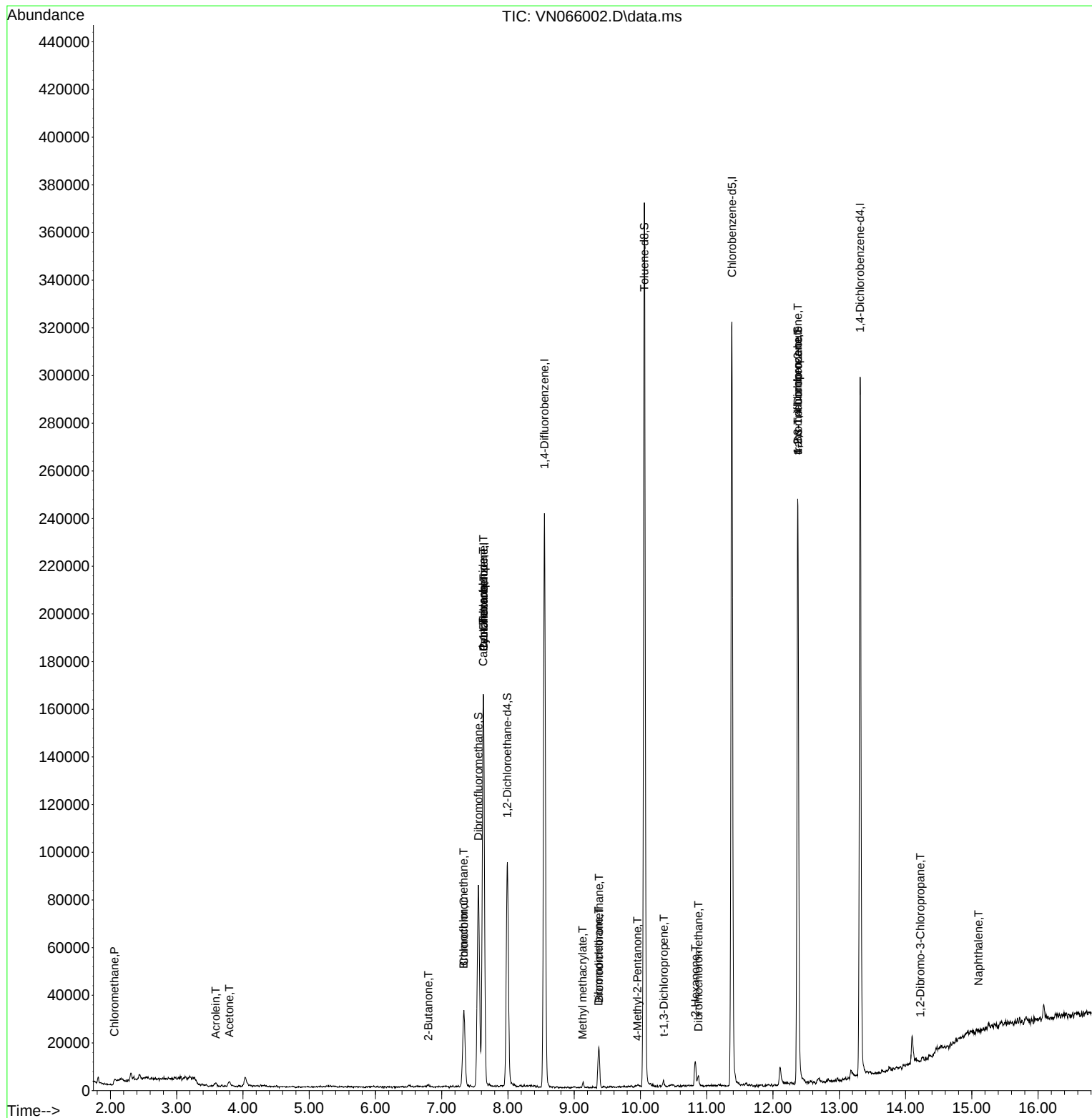
Internal Standards						
1) Pentafluorobenzene	7.630	168	131991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	217252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	198509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	84385	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	86524	46.88	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.76%		
35) Dibromofluoromethane	7.553	113	65706	48.87	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.74%		
50) Toluene-d8	10.058	98	263519	47.75	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.50%		
62) 4-Bromofluorobenzene	12.373	95	95712	46.19	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.38%		
Target Compounds						Qvalue
3) Chloromethane	2.058	50	1080	0.50	ug/l	96
13) Acrolein	3.589	56	1757	7.48	ug/l	98
16) Acetone	3.794	43	4442	6.10	ug/l	93
25) 2-Butanone	6.798	43	270	0.30	ug/l #	46
28) Bromochloromethane	7.331	49	2376	1.76	ug/l #	9
30) Chloroform	7.335	83	34249	11.85	ug/l	99
31) Cyclohexane	7.630	56	2485	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	9943	4.64	ug/l #	47
38) Carbon Tetrachloride	7.624	117	13233	6.65	ug/l #	17
46) Dibromomethane	9.367	93	314	0.31	ug/l #	2
47) Bromodichloromethane	9.373	83	12506	5.99	ug/l	97
48) Methyl methacrylate	9.125	41	628	0.40	ug/l #	31
51) 4-Methyl-2-Pentanone	9.952	43	400	0.21	ug/l #	35
53) t-1,3-Dichloropropene	10.350	75	93	2.02	ug/l #	42
59) 2-Hexanone	10.826	43	2138	1.60	ug/l #	30
60) Dibromochloromethane	10.875	129	2521	1.63	ug/l	96
76) 1,2,3-Trichloropropane	12.373	75	49382	24.36	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	49382	77.63	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.222	75	343	1.69	ug/l #	1
95) Naphthalene	15.103	128	251	3.10	ug/l #	69

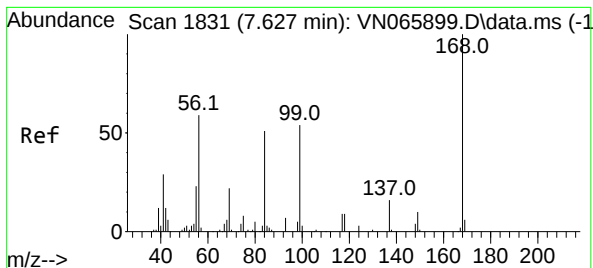
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.630 min Scan# 1832

Delta R.T. 0.003 min

Lab File: VN066002.D

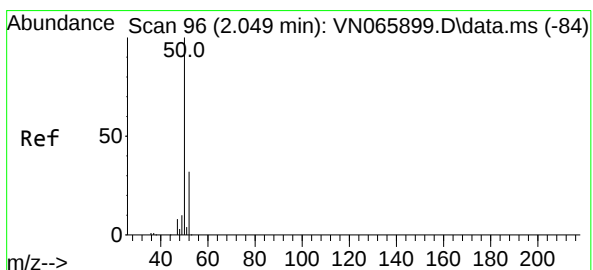
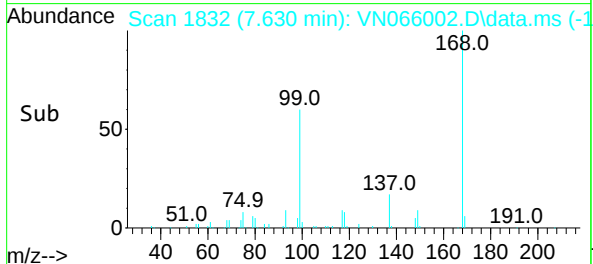
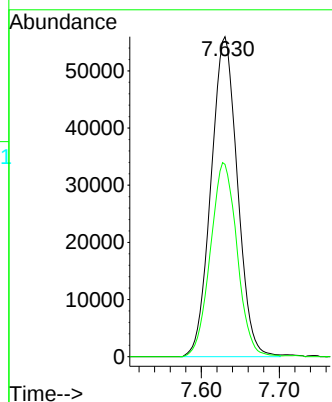
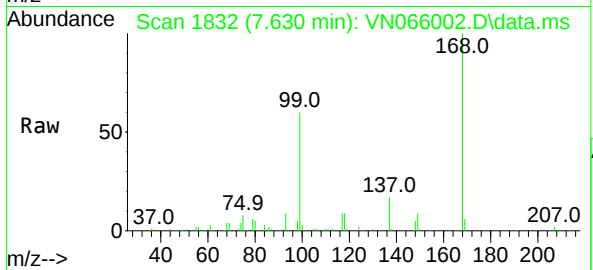
Acq: 24 Feb 2021 14:30

Tgt Ion:168 Resp: 131991

Ion Ratio Lower Upper

168 100

99 60.1 42.6 63.8



#3

Chloromethane

Concen: 0.50 ug/l

RT: 2.058 min Scan# 99

Delta R.T. 0.009 min

Lab File: VN066002.D

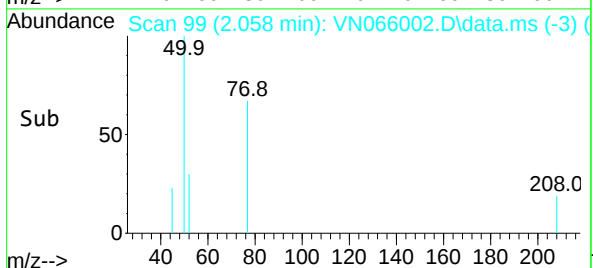
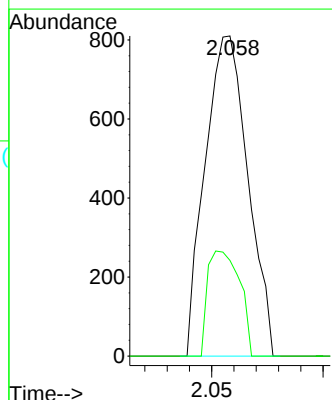
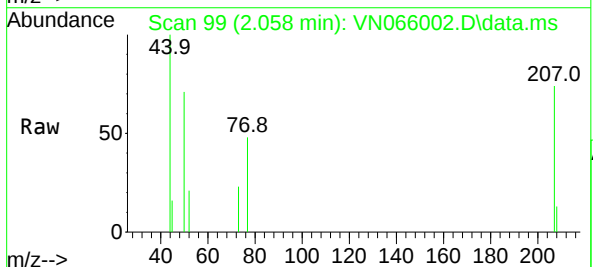
Acq: 24 Feb 2021 14:30

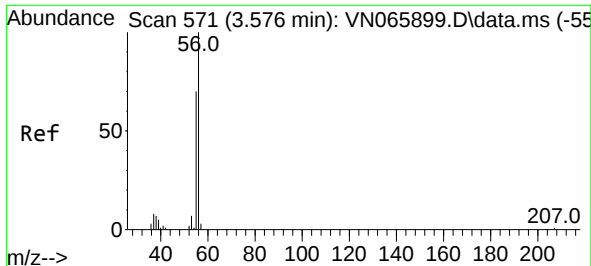
Tgt Ion: 50 Resp: 1080

Ion Ratio Lower Upper

50 100

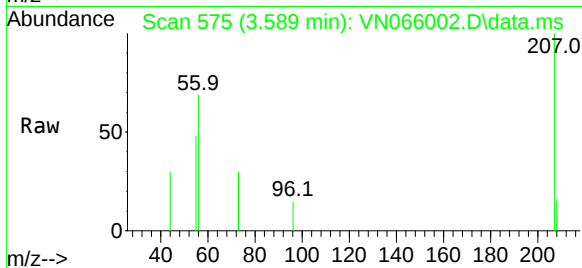
52 29.9 25.8 38.8



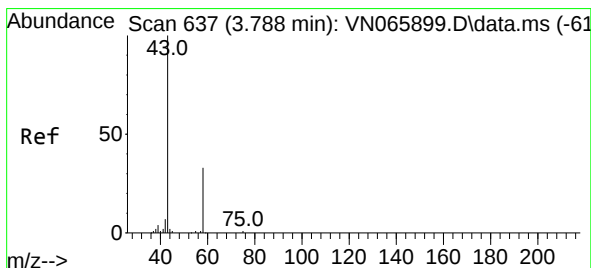
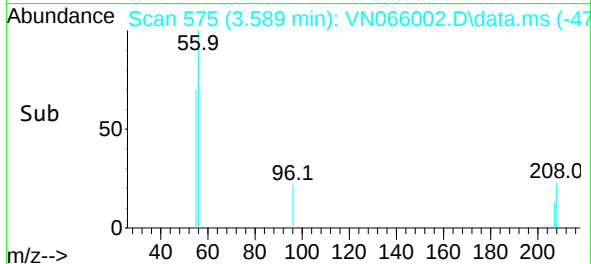
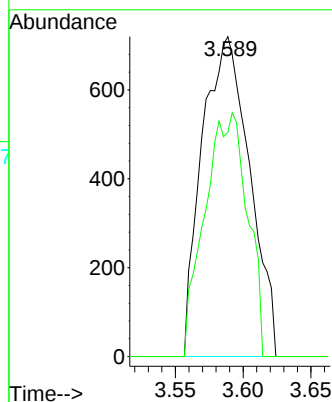


#13
Acrolein
Concen: 7.48 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Instrument :
MSVOA_N
ClientSampled :

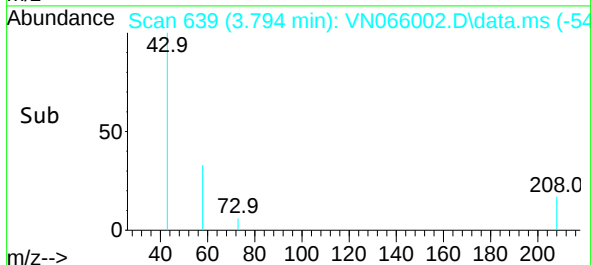
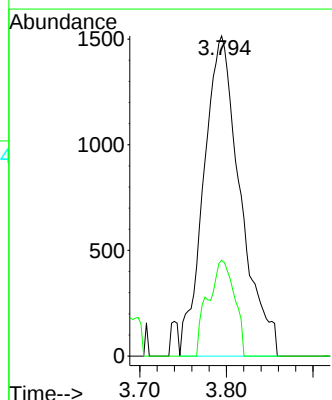
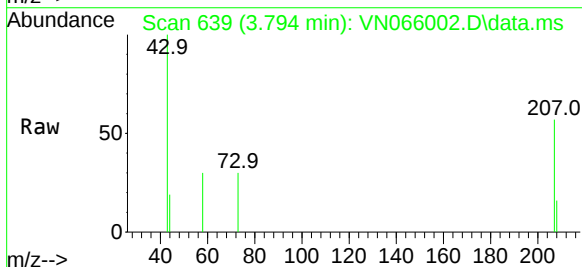


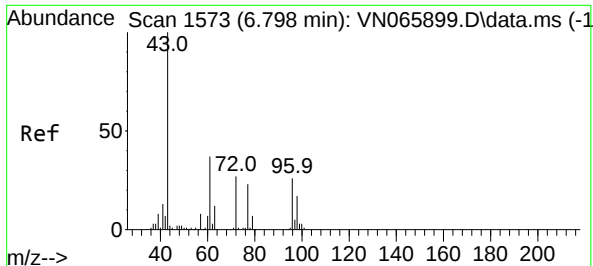
Tgt Ion: 56 Resp: 1757
Ion Ratio Lower Upper
56 100
55 68.4 56.0 84.0



#16
Acetone
Concen: 6.10 ug/l
RT: 3.794 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Tgt Ion: 43 Resp: 4442
Ion Ratio Lower Upper
43 100
58 29.9 27.0 40.6

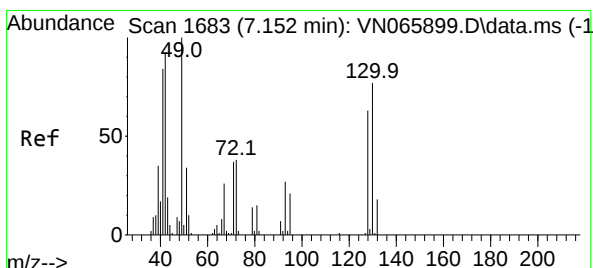
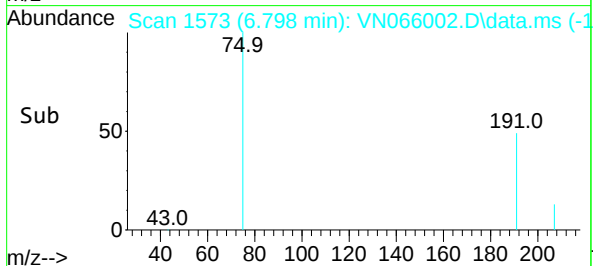
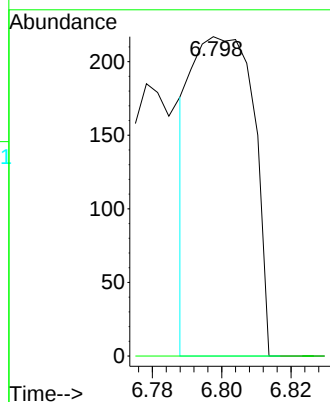
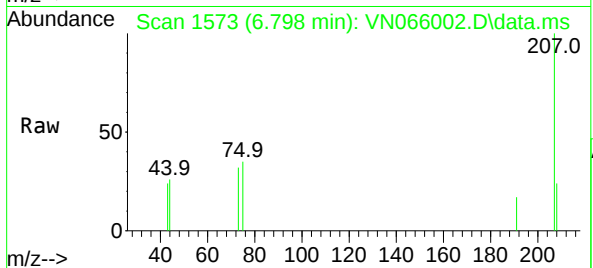




#25
2-Butanone
Concen: 0.30 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

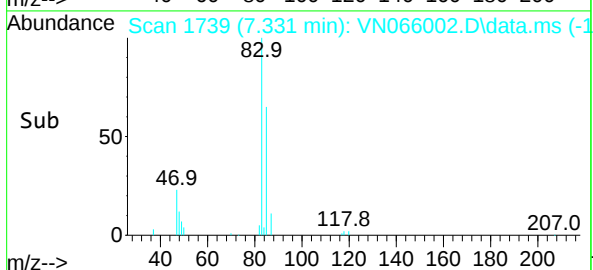
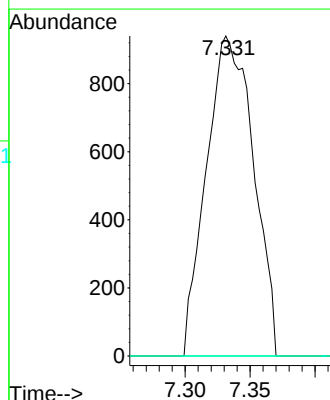
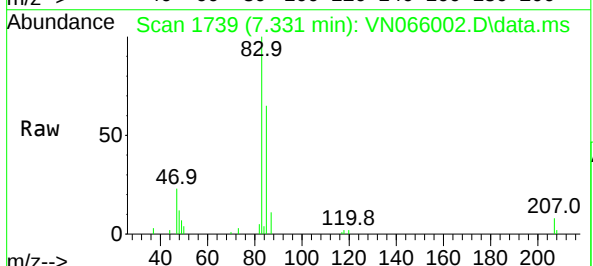
Instrument :
MSVOA_N
ClientSampled :

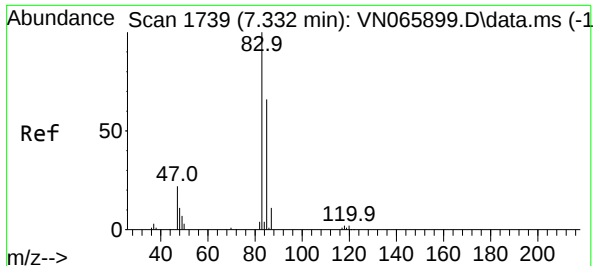
Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#28
Bromochloromethane
Concen: 1.76 ug/l
RT: 7.331 min Scan# 1739
Delta R.T. 0.179 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Tgt Ion: 49 Resp: 2376
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 67.8 101.6#





#30

Chloroform

Concen: 11.85 ug/l

RT: 7.335 min Scan# 1740

Delta R.T. 0.003 min

Lab File: VN066002.D

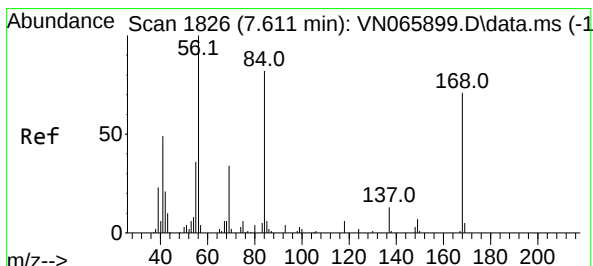
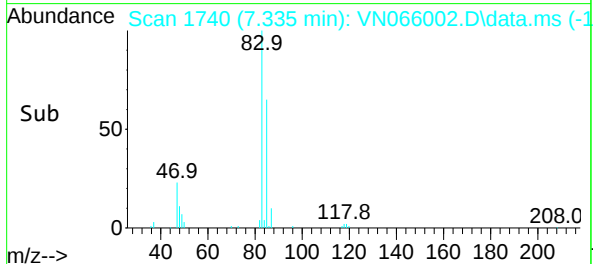
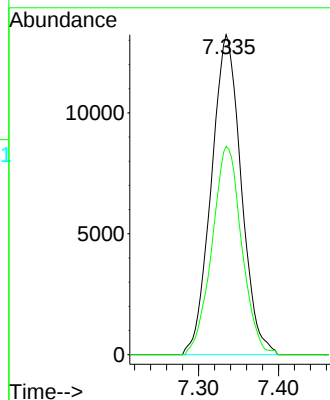
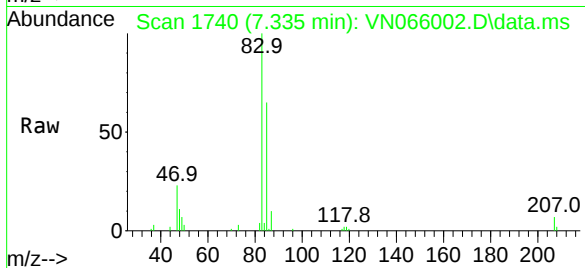
Acq: 24 Feb 2021 14:30

Tgt Ion: 83 Resp: 34249

Ion Ratio Lower Upper

83 100

85 65.1 52.6 78.8



#31

Cyclohexane

Concen: 0.90 ug/l

RT: 7.630 min Scan# 1832

Delta R.T. 0.019 min

Lab File: VN066002.D

Acq: 24 Feb 2021 14:30

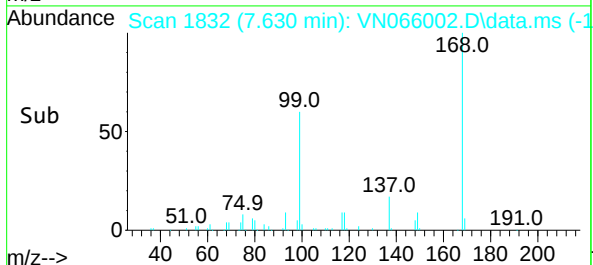
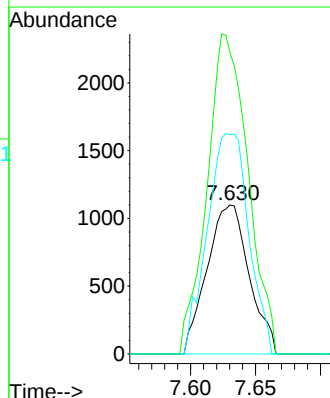
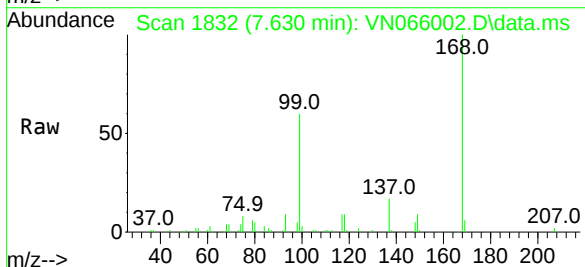
Tgt Ion: 56 Resp: 2485

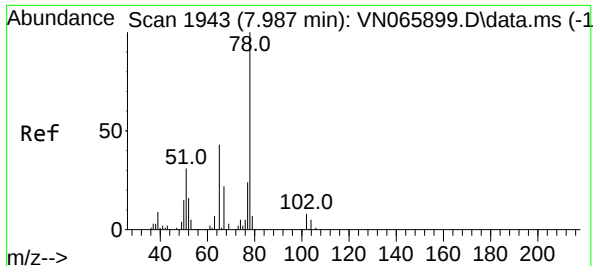
Ion Ratio Lower Upper

56 100

69 202.3 26.6 39.8#

84 147.1 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 46.88 ug/l

RT: 7.990 min Scan# 1944

Delta R.T. 0.003 min

Lab File: VN066002.D

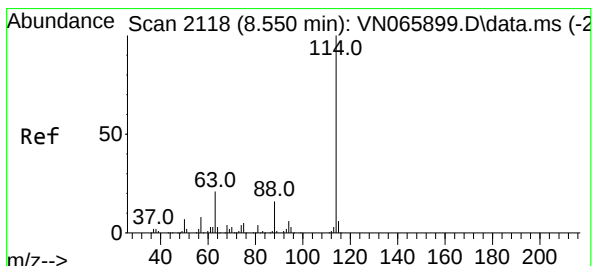
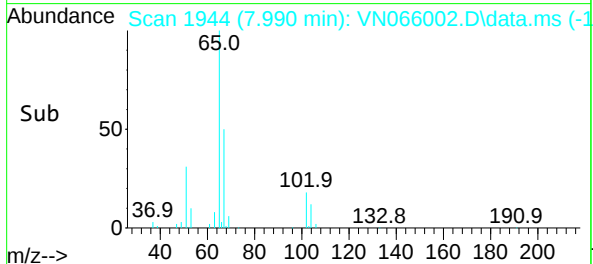
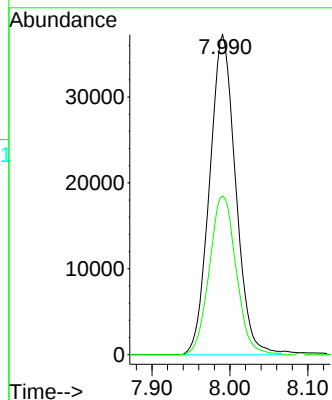
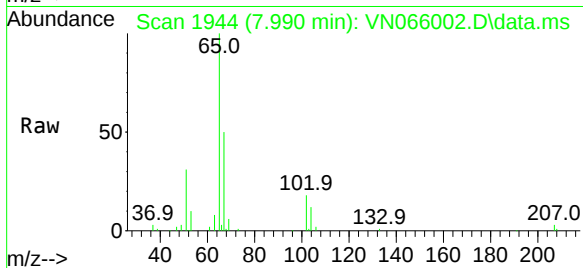
Acq: 24 Feb 2021 14:30

Tgt Ion: 65 Resp: 86524

Ion Ratio Lower Upper

65 100

67 50.9 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: VN066002.D

Acq: 24 Feb 2021 14:30

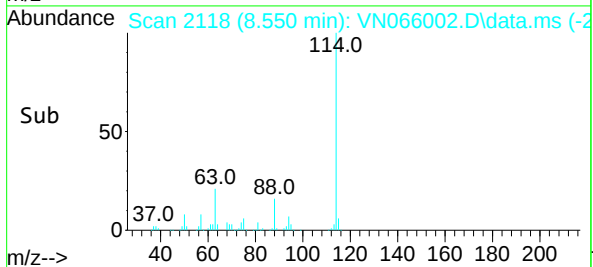
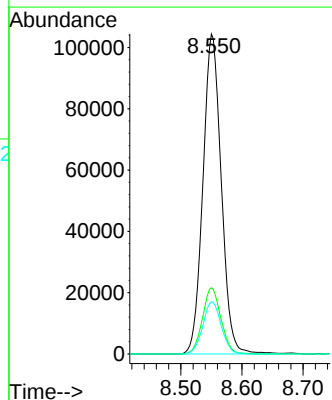
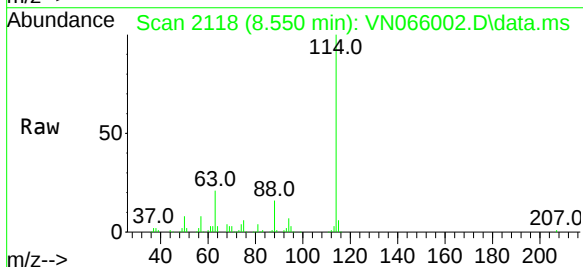
Tgt Ion: 114 Resp: 217252

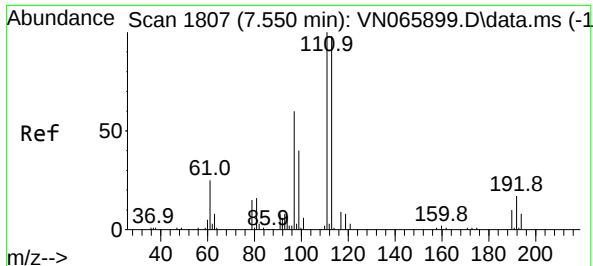
Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.6

88 16.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.87 ug/l

RT: 7.553 min Scan# 1808

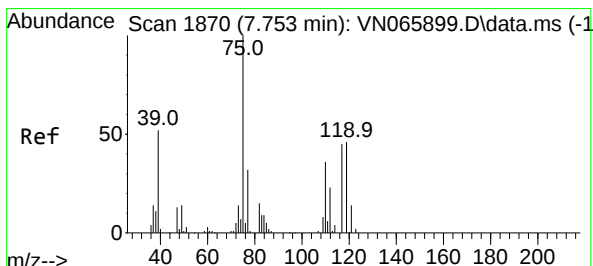
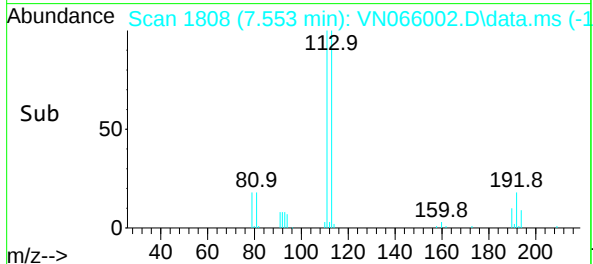
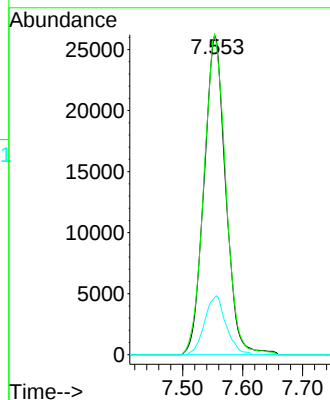
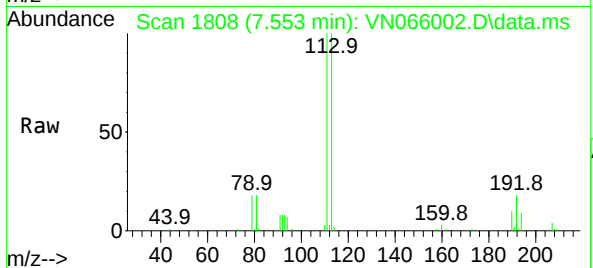
Delta R.T. 0.003 min

Lab File: VN066002.D

Acq: 24 Feb 2021 14:30

Tgt Ion:	113	Resp:	65706
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.2	123.2
192	18.2	15.4	23.0

Instrument :
MSVOA_N
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.64 ug/l

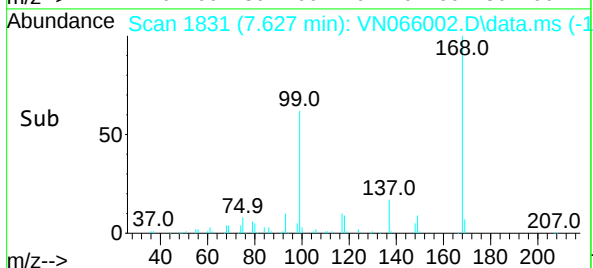
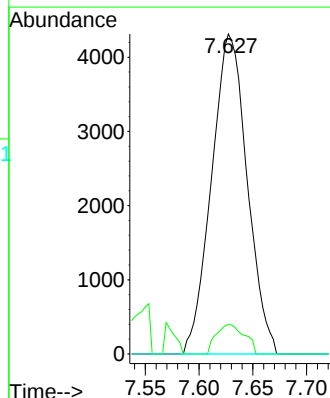
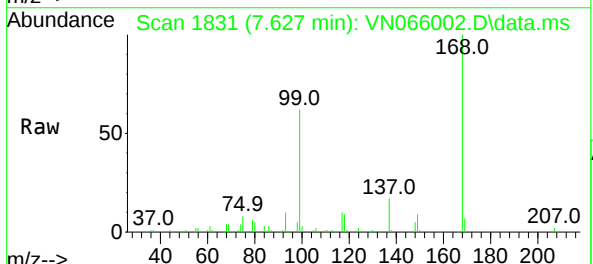
RT: 7.627 min Scan# 1831

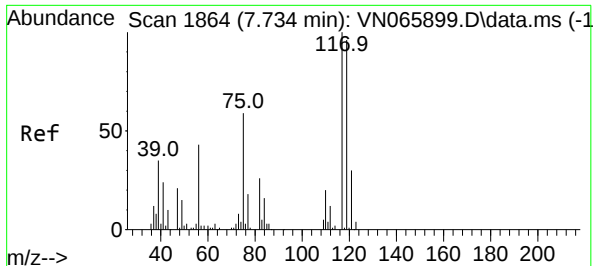
Delta R.T. -0.126 min

Lab File: VN066002.D

Acq: 24 Feb 2021 14:30

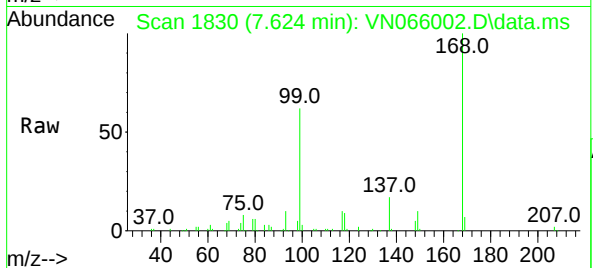
Tgt Ion:	75	Resp:	9943
Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.2	54.6#
77	0.0	24.9	37.3#



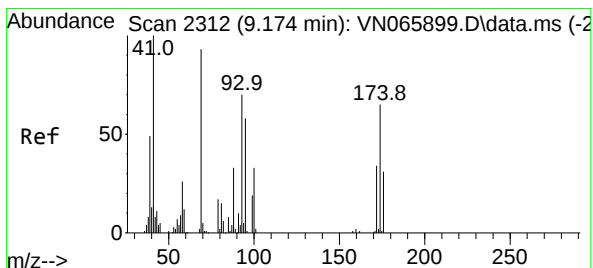
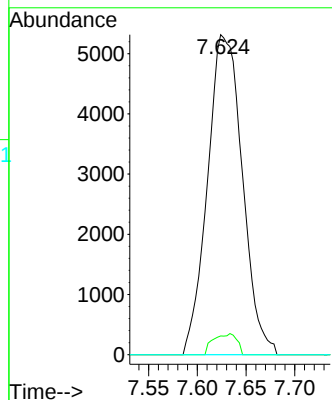
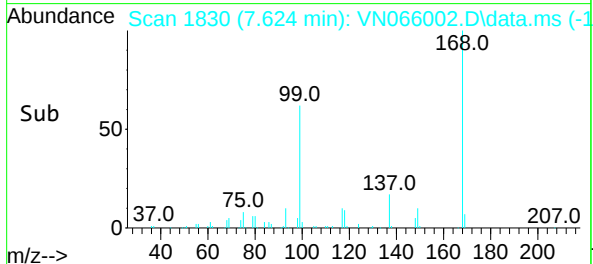


#38
Carbon Tetrachloride
Concen: 6.65 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.110 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

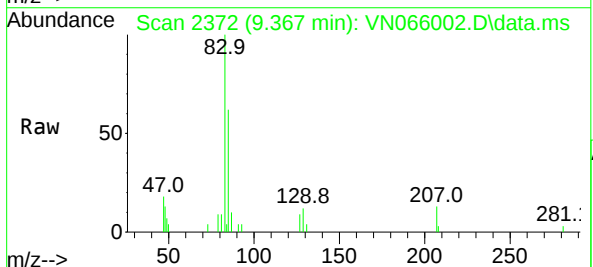
Instrument :
MSVOA_N
ClientSampled :



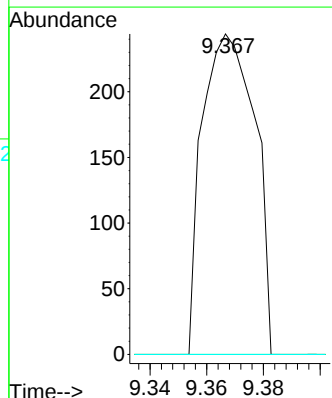
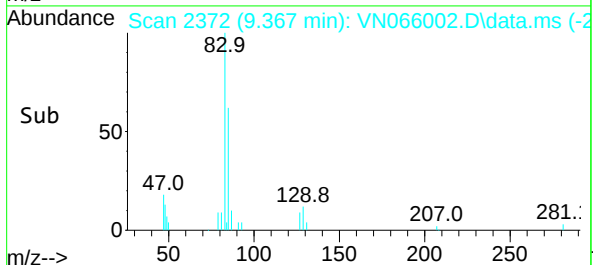
Tgt Ion: 117 Resp: 13233
Ion Ratio Lower Upper
117 100
119 5.8 76.0 114.0#
121 0.0 24.5 36.7#

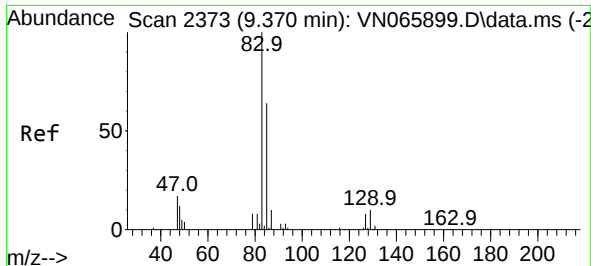


#46
Dibromomethane
Concen: 0.31 ug/l
RT: 9.367 min Scan# 2372
Delta R.T. 0.193 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30



Tgt Ion: 93 Resp: 314
Ion Ratio Lower Upper
93 100
95 0.0 67.0 100.6#
174 0.0 83.2 124.8#

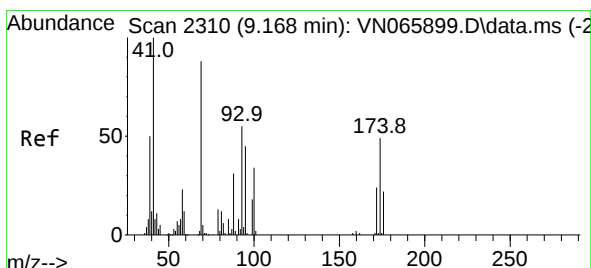
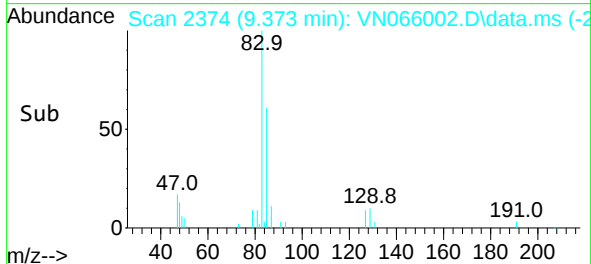
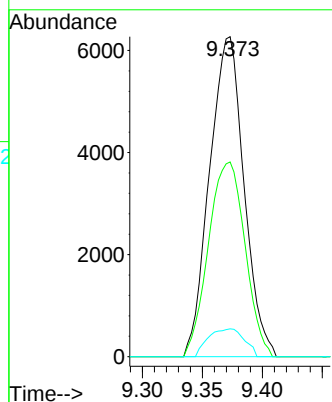
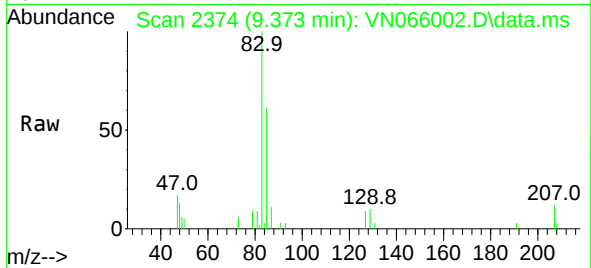




#47
Bromodichloromethane
Concen: 5.99 ug/l
RT: 9.373 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

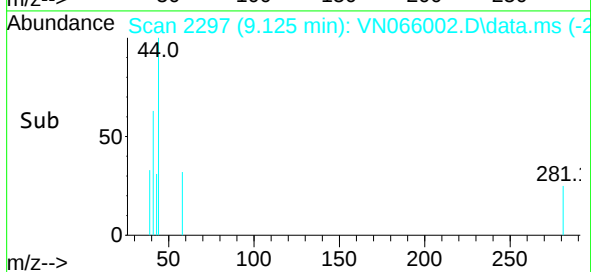
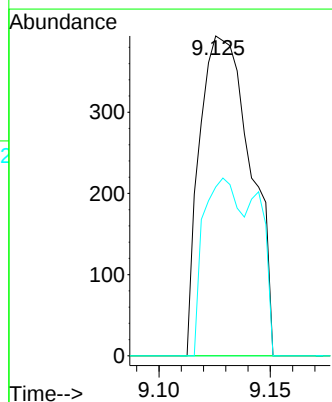
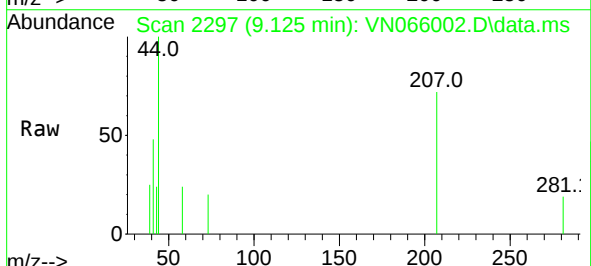
Instrument :
MSVOA_N
ClientSampled :

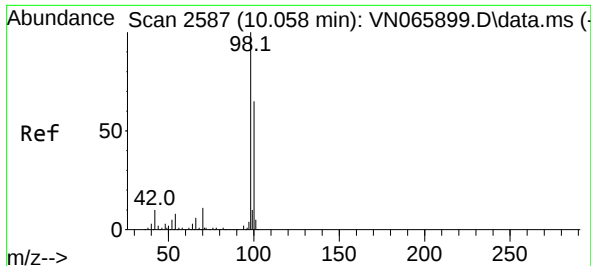
Tgt Ion: 83 Resp: 12506
Ion Ratio Lower Upper
83 100
85 60.8 51.0 76.4
127 8.7 7.0 10.6



#48
Methyl methacrylate
Concen: 0.40 ug/l
RT: 9.125 min Scan# 2297
Delta R.T. -0.043 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Tgt Ion: 41 Resp: 628
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 41.4 46.6 69.8#

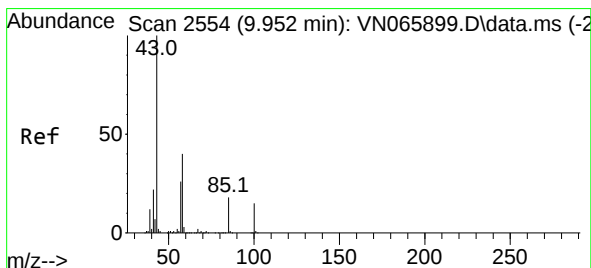
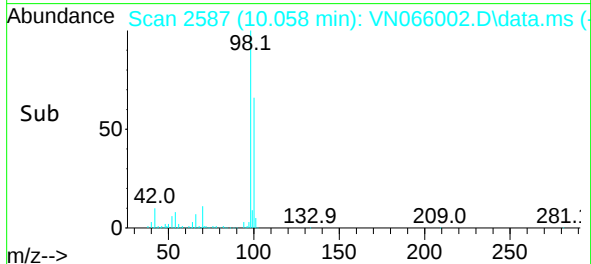
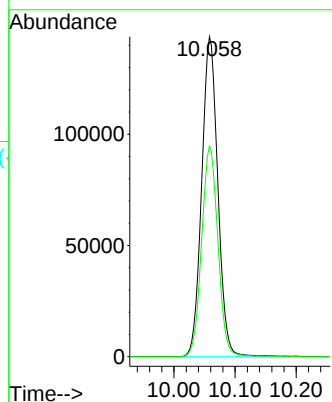
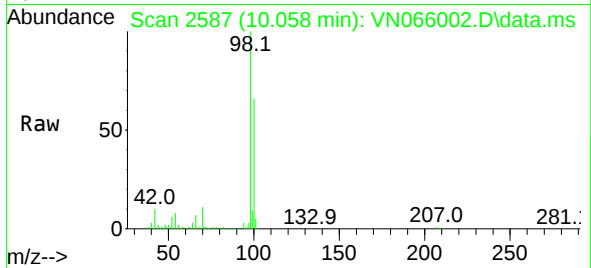




#50
Toluene-d8
Concen: 47.75 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

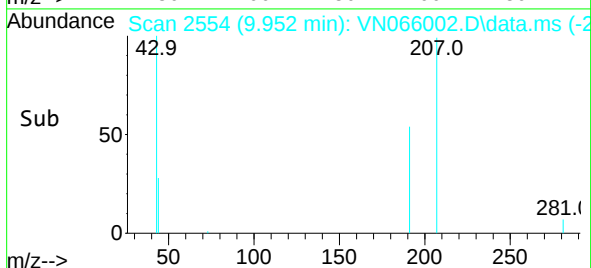
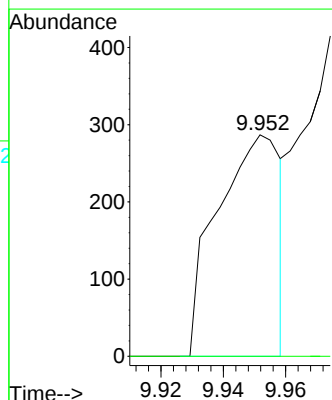
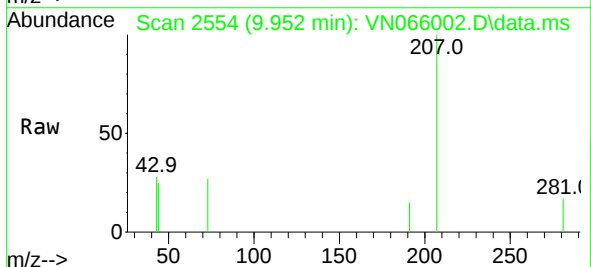
Instrument :
MSVOA_N
ClientSampled :

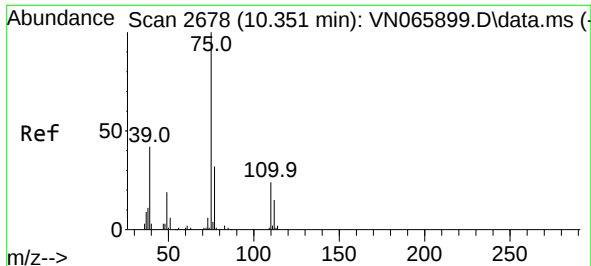
Tgt Ion: 98 Resp: 263519
Ion Ratio Lower Upper
98 100
100 66.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#

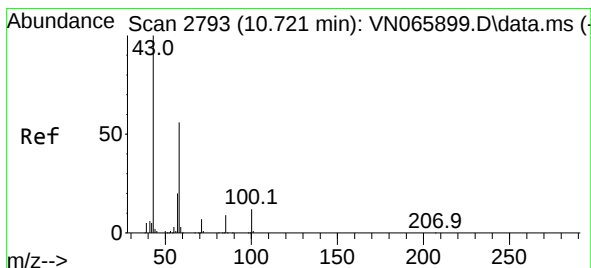
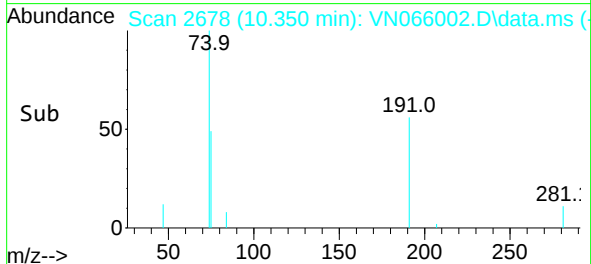
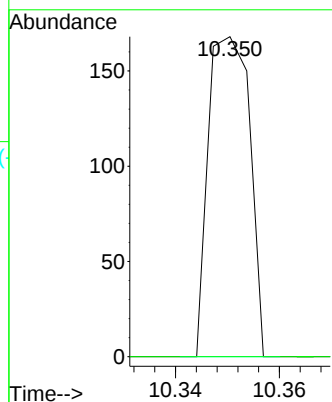
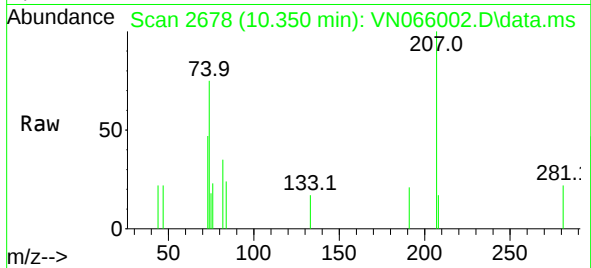




#53
t-1,3-Dichloropropene
Concen: 2.02 ug/l
RT: 10.350 min Scan# 2678
Delta R.T. -0.001 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

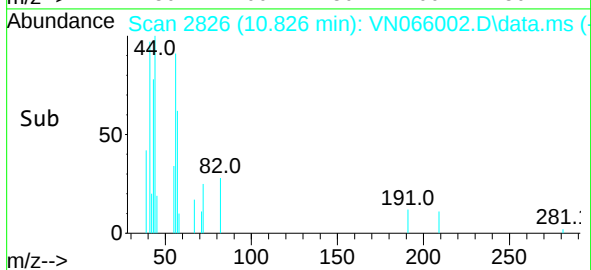
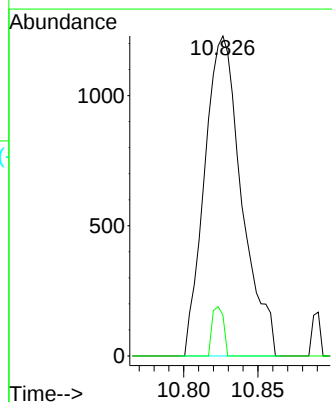
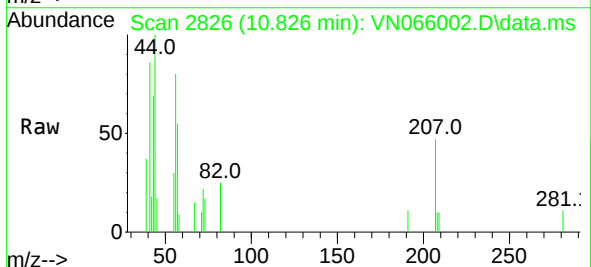
Instrument :
MSVOA_N
ClientSampled :

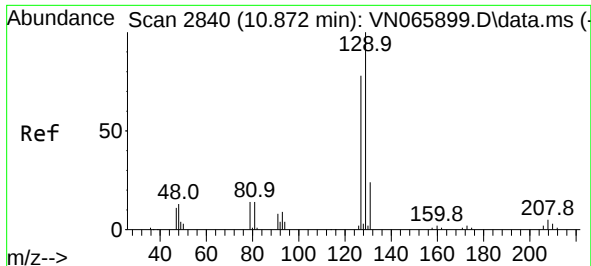
Tgt Ion: 75 Resp: 93
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 1.60 ug/l
RT: 10.826 min Scan# 2826
Delta R.T. 0.105 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
58 4.7 28.1 84.3#

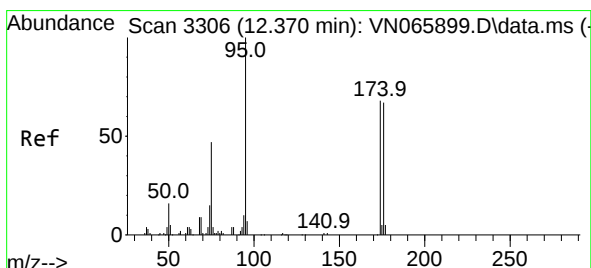
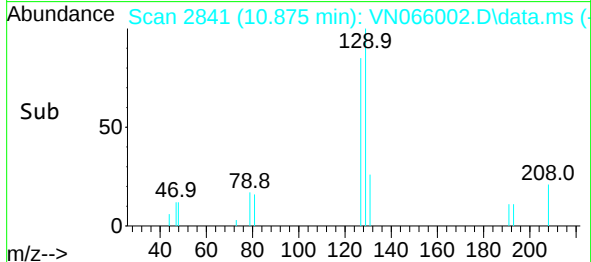
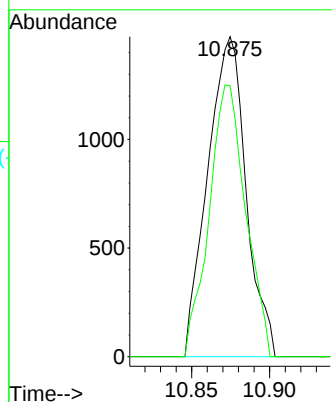
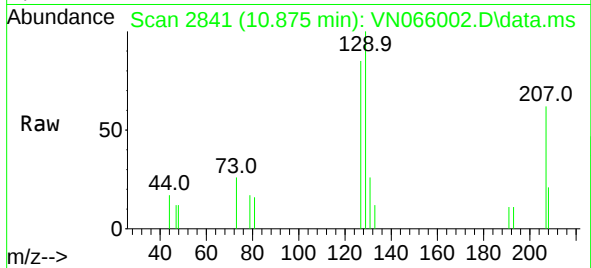




#60
Dibromochloromethane
Concen: 1.63 ug/l
RT: 10.875 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

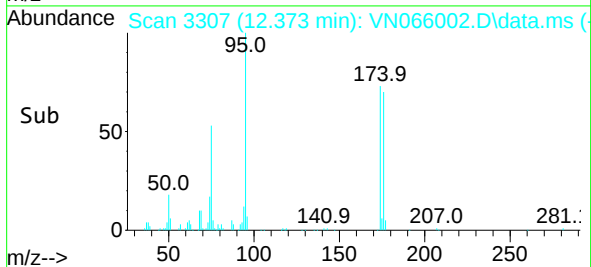
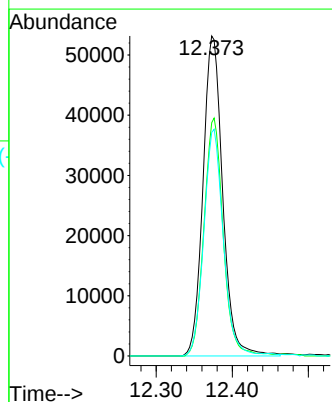
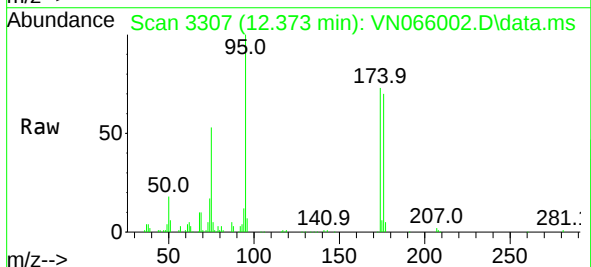
Instrument :
MSVOA_N
ClientSampled :

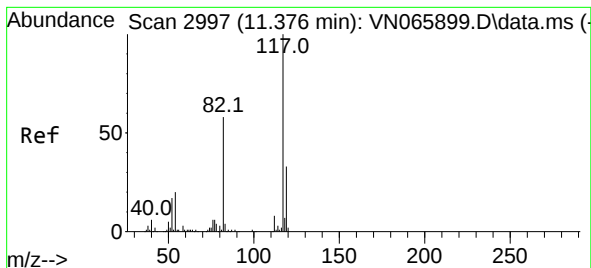
Tgt Ion:129 Resp: 2521
Ion Ratio Lower Upper
129 100
127 80.7 38.5 115.5



#62
4-Bromofluorobenzene
Concen: 46.19 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Tgt Ion: 95 Resp: 95712
Ion Ratio Lower Upper
95 100
174 72.1 0.0 169.0
176 70.1 0.0 162.4

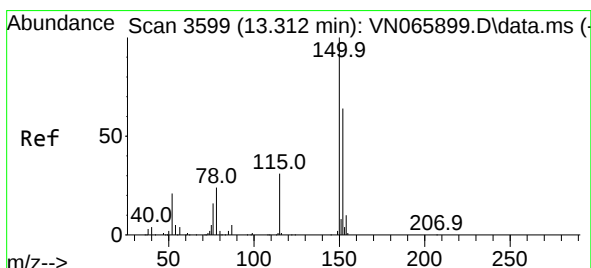
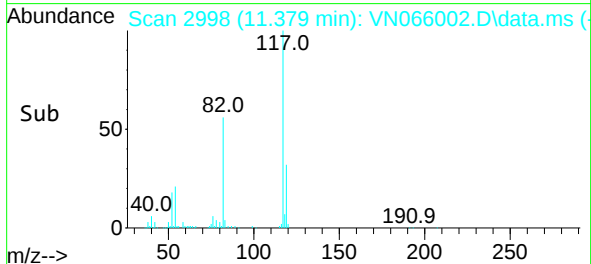
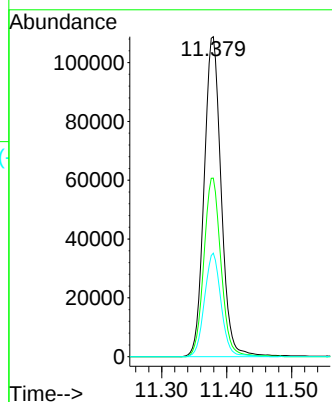
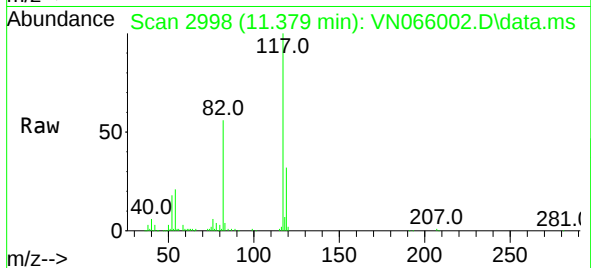




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

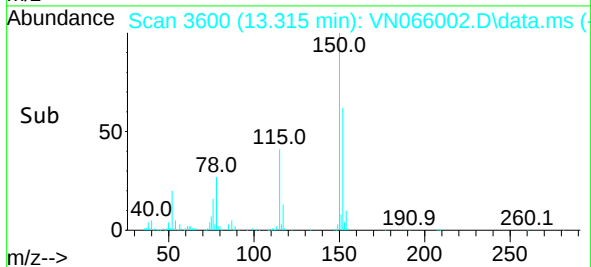
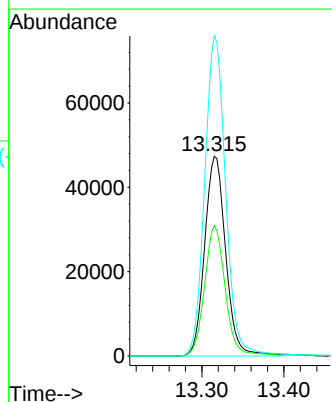
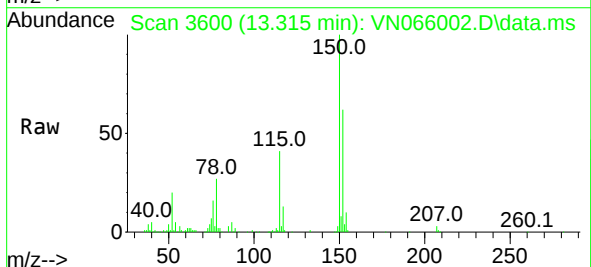
Instrument :
MSVOA_N
ClientSampled :

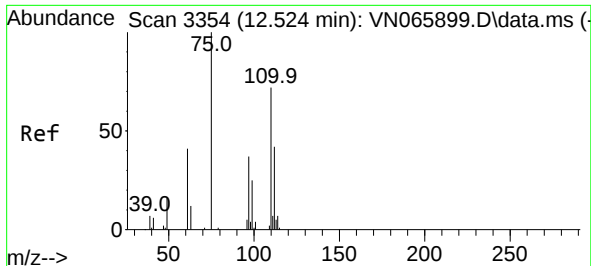
Tgt Ion:117 Resp: 198509
Ion Ratio Lower Upper
117 100
82 55.8 43.7 65.5
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Tgt Ion:152 Resp: 84385
Ion Ratio Lower Upper
152 100
115 64.1 28.5 85.6
150 160.0 0.0 347.6

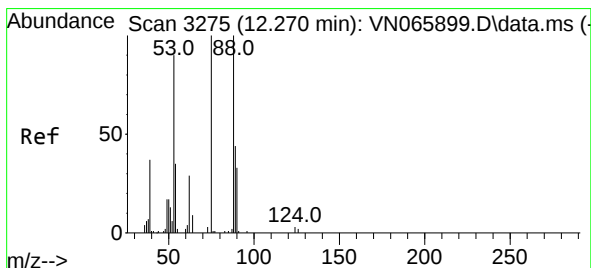
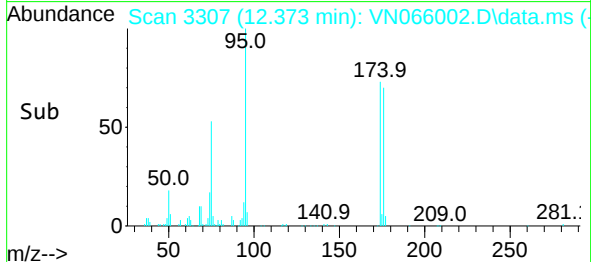
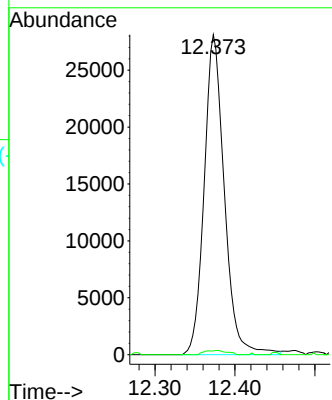
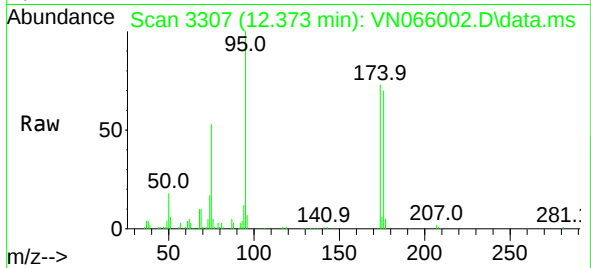




#76
1,2,3-Trichloropropane
Concen: 24.36 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

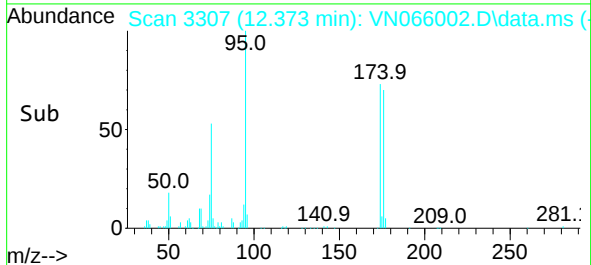
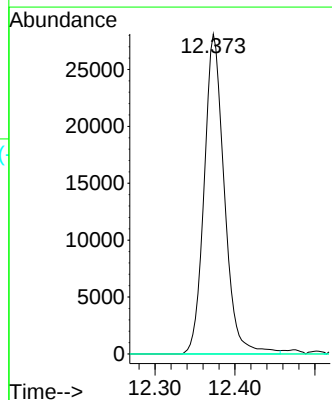
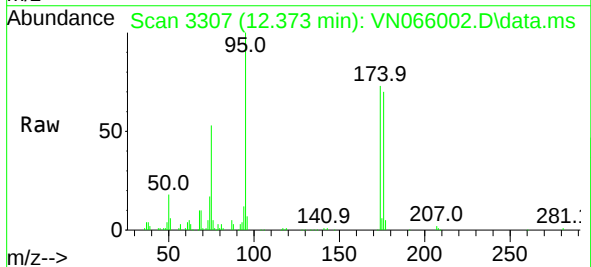
Instrument :
MSVOA_N
ClientSampled :

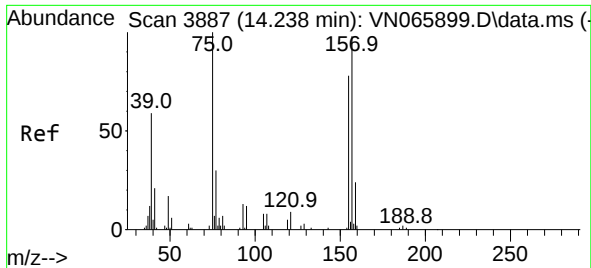
Tgt Ion: 75 Resp: 49382
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.63 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Tgt Ion: 75 Resp: 49382
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

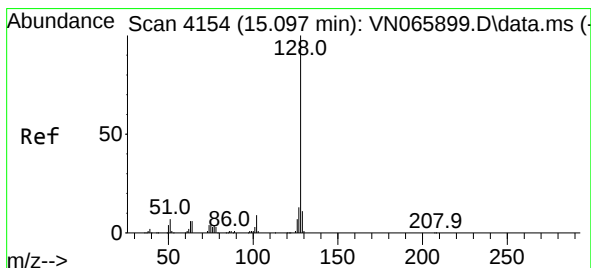
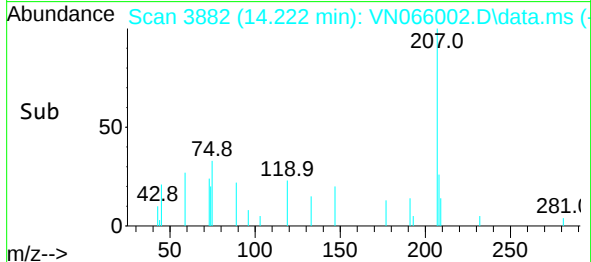
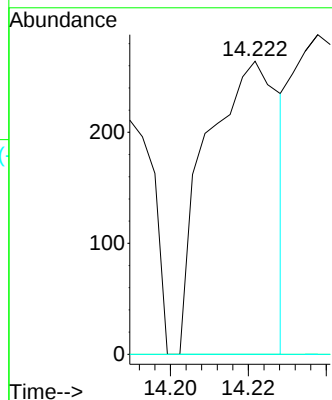
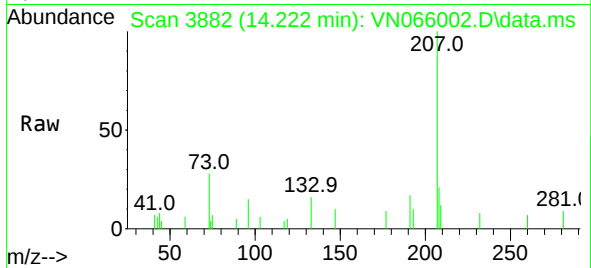




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.69 ug/l
RT: 14.222 min Scan# 3882
Delta R.T. -0.016 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 343
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: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN066002.D
Acq: 24 Feb 2021 14:30

Tgt Ion:128 Resp: 251
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

