

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022521\
 Data File : VN066029.D
 Acq On : 25 Feb 2021 15:44
 Operator : JC/MD
 Sample : M1484-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

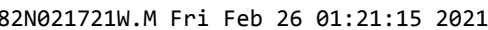
Quant Time: Feb 26 01:21:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

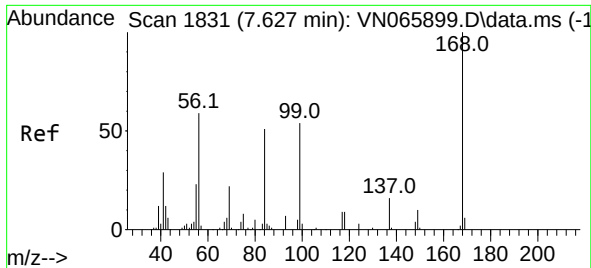
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.627	168	153978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	251962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	228036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	91652	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	96747	44.93	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.86%		
35) Dibromofluoromethane	7.553	113	74409	47.72	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.44%		
50) Toluene-d8	10.058	98	308017	48.12	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.24%		
62) 4-Bromofluorobenzene	12.373	95	107696	44.82	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.64%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.055	50	1270	0.50	ug/l	93
12) 1,1-Dichloroethene	3.711	96	671	0.39	ug/l #	48
13) Acrolein	3.586	56	1822	6.65	ug/l #	52
16) Acetone	3.795	43	3710	3.91	ug/l	97
25) 2-Butanone	6.788	43	353	0.33	ug/l #	46
27) cis-1,2-Dichloroethene	6.788	96	752	0.36	ug/l	53
28) Bromochloromethane	7.335	49	3203	2.04	ug/l #	9
30) Chloroform	7.332	83	44642	13.24	ug/l	100
31) Cyclohexane	7.624	56	2814	0.88	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	11917	4.80	ug/l #	47
38) Carbon Tetrachloride	7.627	117	14955	6.48	ug/l #	17
46) Dibromomethane	9.370	93	288	0.24	ug/l #	2
47) Bromodichloromethane	9.367	83	16780	6.93	ug/l #	96
48) Methyl methacrylate	9.132	41	773	0.43	ug/l #	29
51) 4-Methyl-2-Pentanone	9.952	43	537	0.25	ug/l #	35
59) 2-Hexanone	10.823	43	4221	2.72	ug/l #	42
60) Dibromochloromethane	10.875	129	3274	1.83	ug/l	100
71) Bromoform	12.360	173	114	2.59	ug/l #	1
74) N-amyl acetate	12.106	43	2774	1.07	ug/l #	6
76) 1,2,3-Trichloropropane	12.373	75	53527	24.31	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	53527	77.48	ug/l #	12
90) Hexachloroethane	13.849	117	409	0.39	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.232	75	78	1.02	ug/l #	1
95) Naphthalene	15.103	128	541	3.15	ug/l #	69

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

Quant Time: Feb 26 01:21:06 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

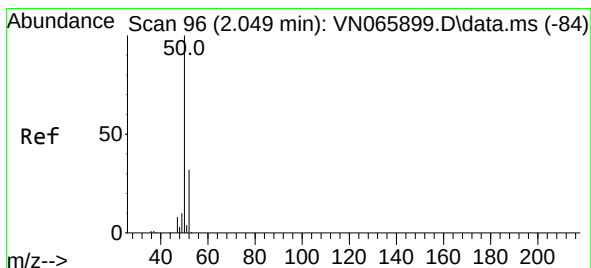
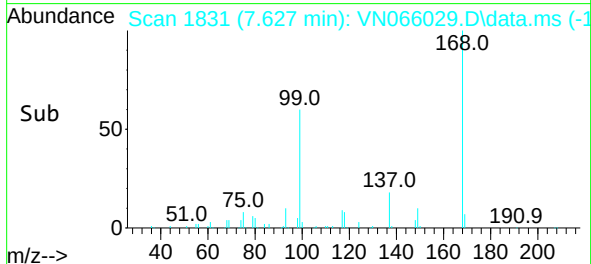
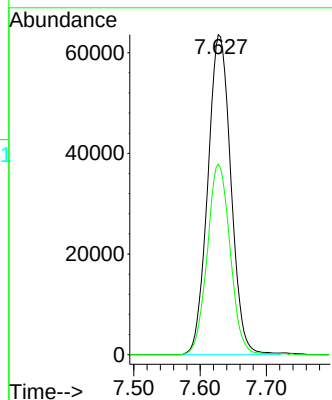
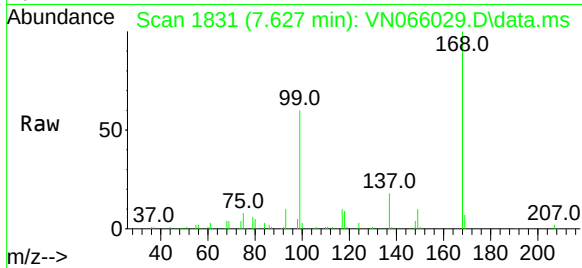




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

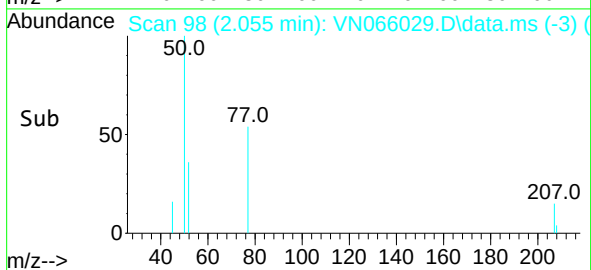
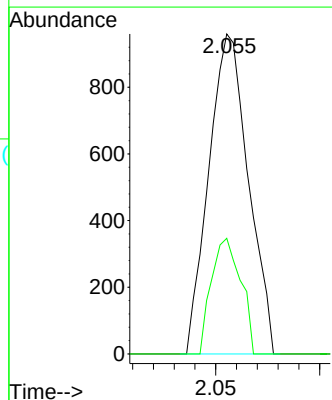
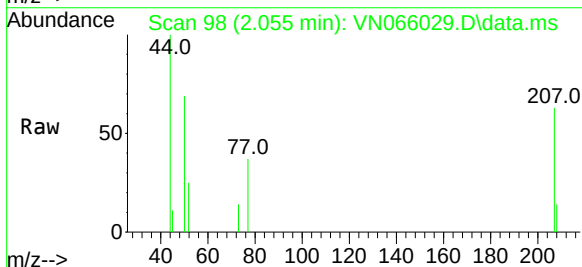
Instrument :
MSVOA_N
ClientSampled :

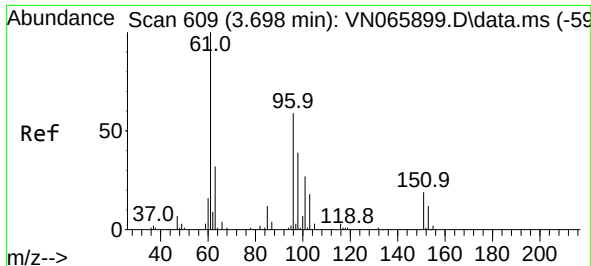
Tgt Ion:168 Resp: 153978
Ion Ratio Lower Upper
168 100
99 59.5 42.6 63.8



#3
Chloromethane
Concen: 0.50 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 50 Resp: 1270
Ion Ratio Lower Upper
50 100
52 36.1 25.8 38.8

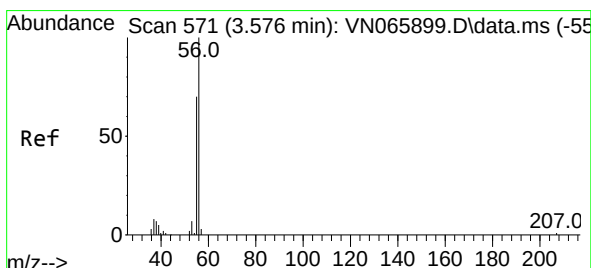
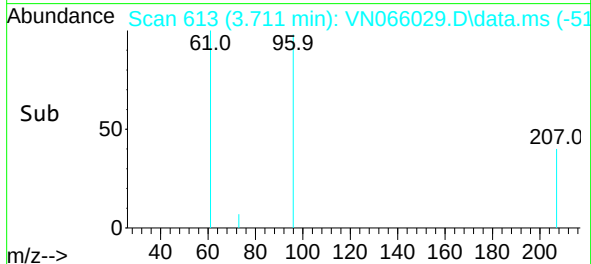
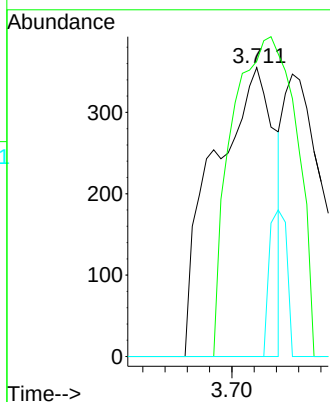
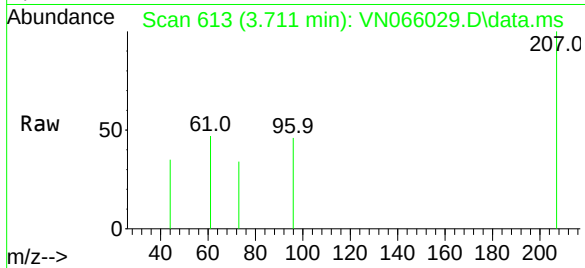




#12
1,1-Dichloroethene
Concen: 0.39 ug/l
RT: 3.711 min Scan# 613
Delta R.T. 0.013 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

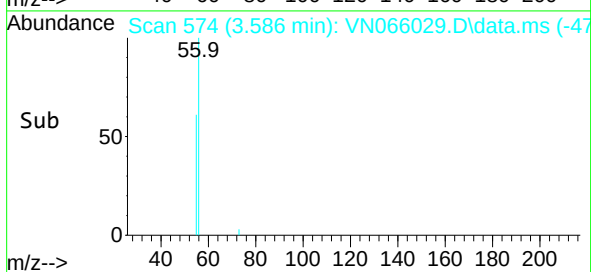
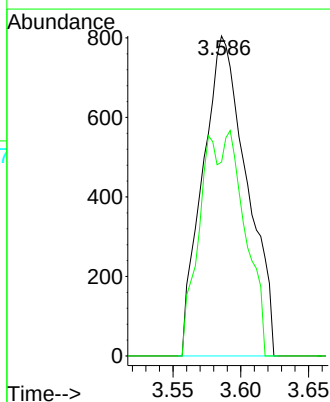
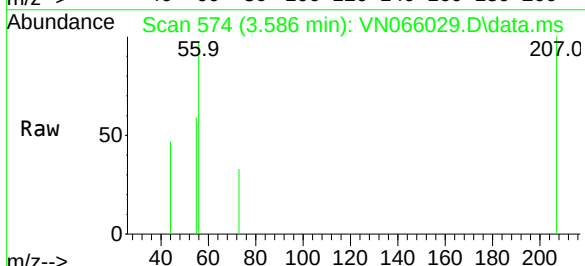
Instrument :
MSVOA_N
ClientSampled :

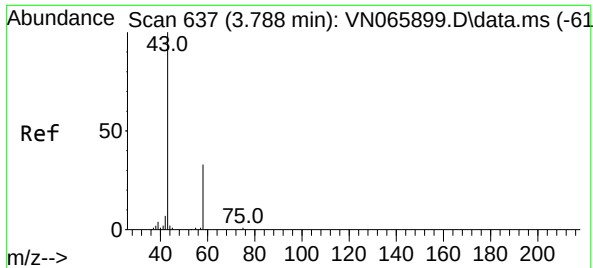
Tgt Ion: 96 Resp: 671
Ion Ratio Lower Upper
96 100
61 102.3 122.5 183.7#
98 0.0 50.8 76.2#



#13
Acrolein
Concen: 6.65 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

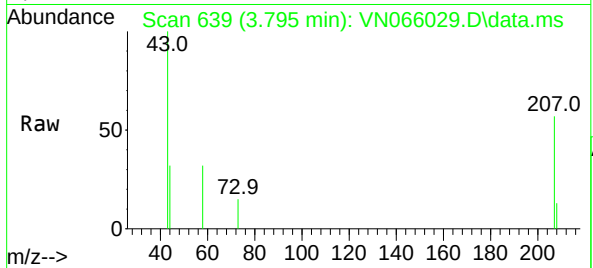
Tgt Ion: 56 Resp: 1822
Ion Ratio Lower Upper
56 100
55 31.0 56.0 84.0#



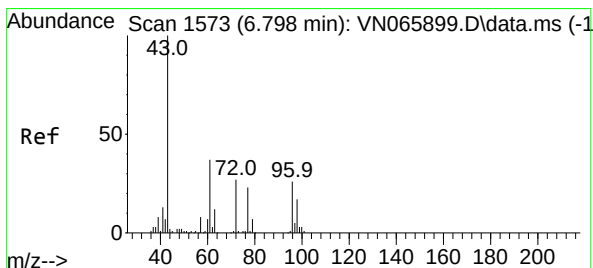
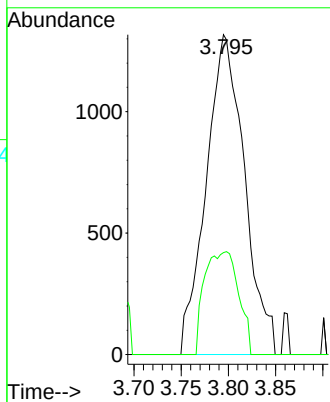
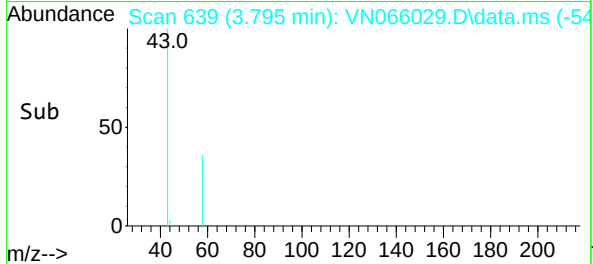


#16
Acetone
Concen: 3.91 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.007 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

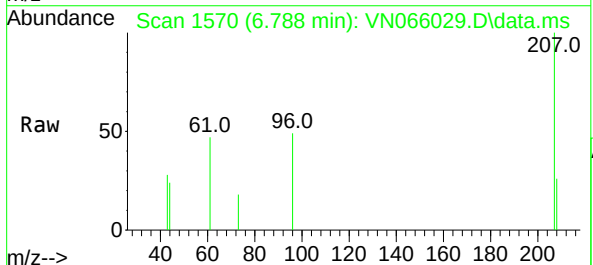
Instrument :
MSVOA_N
ClientSampled :



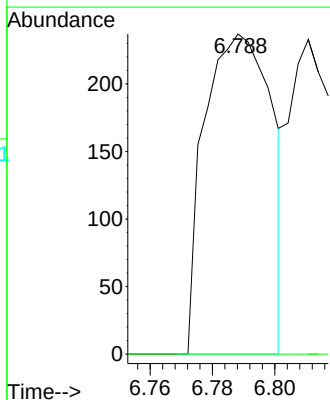
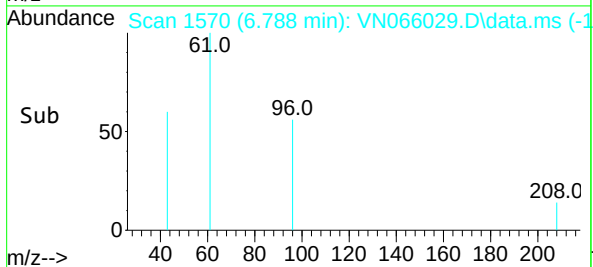
Tgt Ion: 43 Resp: 3710
Ion Ratio Lower Upper
43 100
58 31.9 27.0 40.6

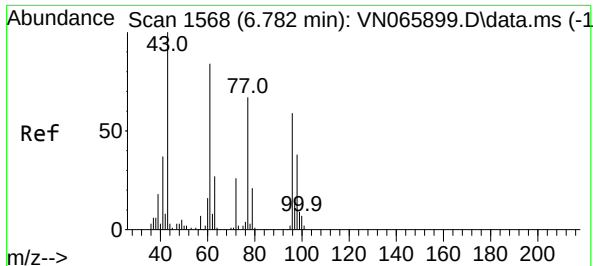


#25
2-Butanone
Concen: 0.33 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. -0.010 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44



Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#





#27

cis-1,2-Dichloroethene

Concen: 0.36 ug/l

RT: 6.788 min Scan# 1570

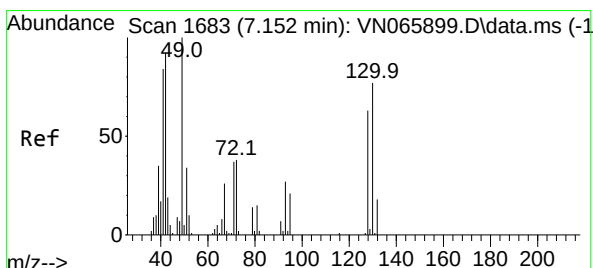
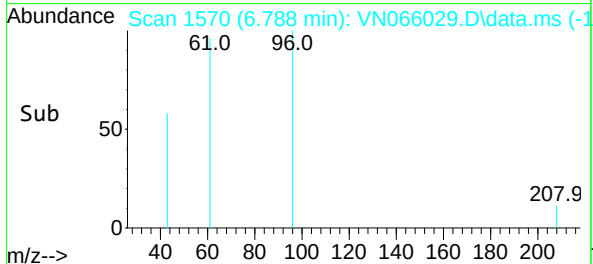
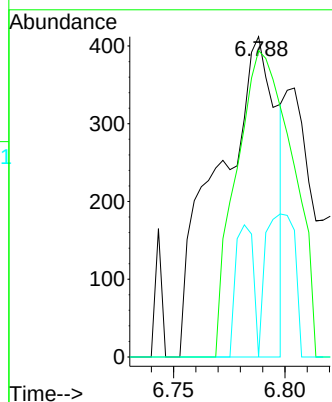
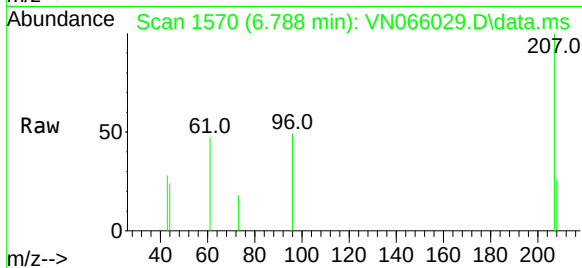
Delta R.T. 0.006 min

Lab File: VN066029.D

Acq: 25 Feb 2021 15:44

Tgt Ion: 96 Resp: 752

Ion	Ratio	Lower	Upper
96	100		
61	92.3	0.0	276.8
98	12.4	0.0	129.4



#28

Bromochloromethane

Concen: 2.04 ug/l

RT: 7.335 min Scan# 1740

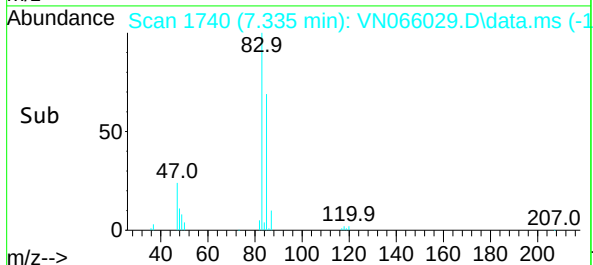
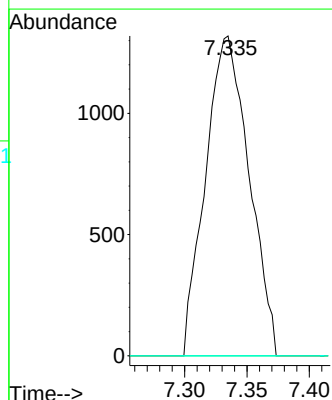
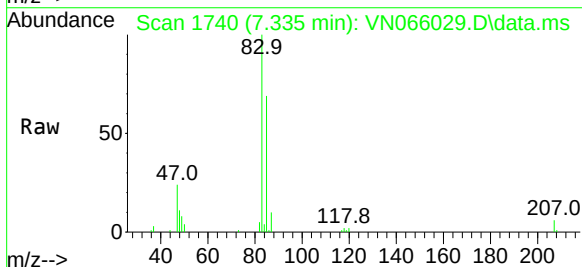
Delta R.T. 0.183 min

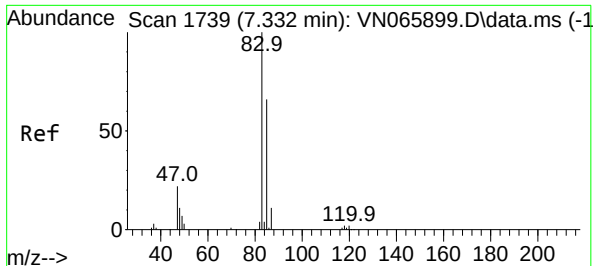
Lab File: VN066029.D

Acq: 25 Feb 2021 15:44

Tgt Ion: 49 Resp: 3203

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	67.8	101.6#





#30

Chloroform

Concen: 13.24 ug/l

RT: 7.332 min Scan# 1739

Delta R.T. -0.000 min

Lab File: VN066029.D

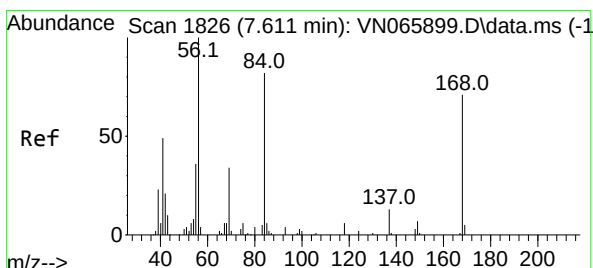
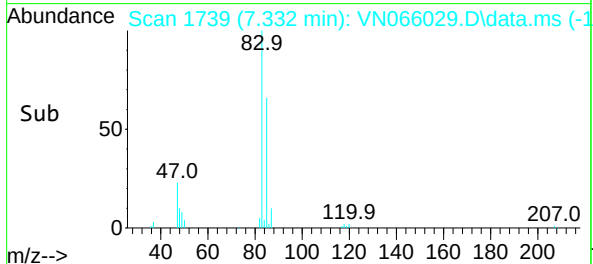
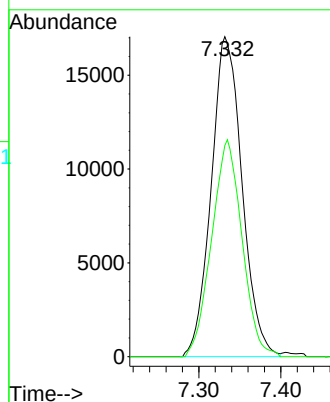
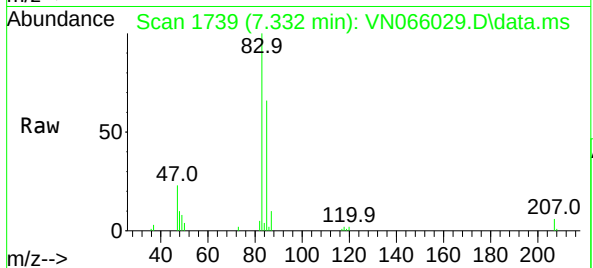
Acq: 25 Feb 2021 15:44

Tgt Ion: 83 Resp: 44642

Ion Ratio Lower Upper

83 100

85 66.0 52.6 78.8



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. 0.013 min

Lab File: VN066029.D

Acq: 25 Feb 2021 15:44

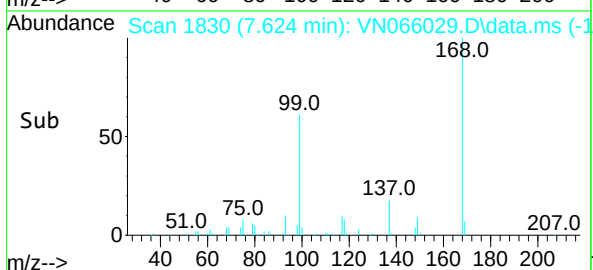
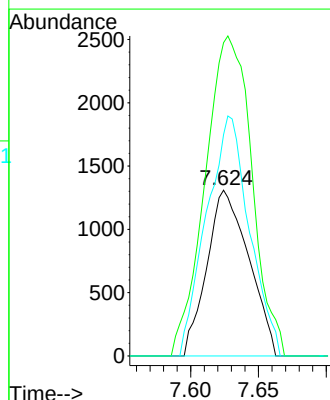
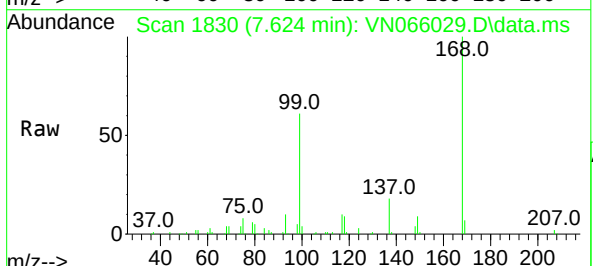
Tgt Ion: 56 Resp: 2814

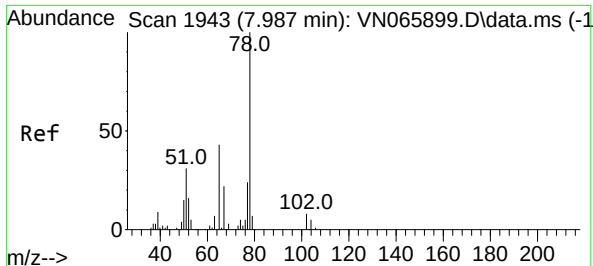
Ion Ratio Lower Upper

56 100

69 174.5 26.6 39.8#

84 133.5 70.4 105.6#

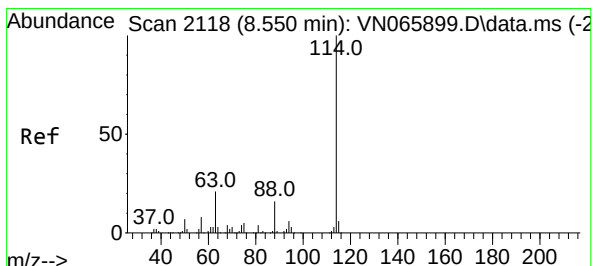
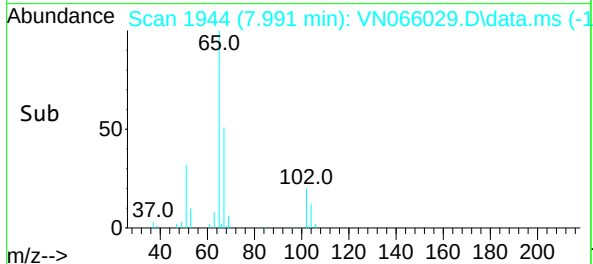
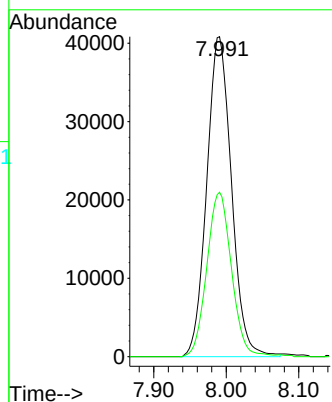
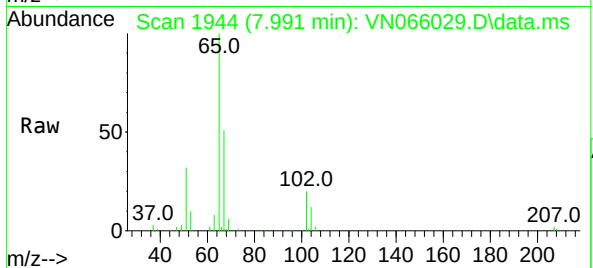




#33
1,2-Dichloroethane-d4
Concen: 44.93 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

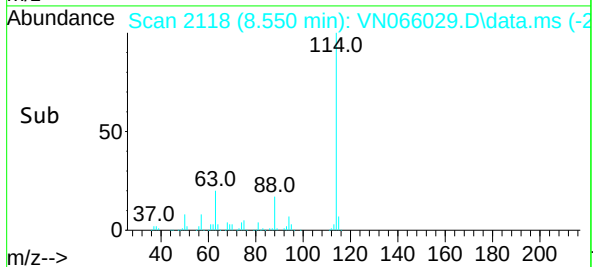
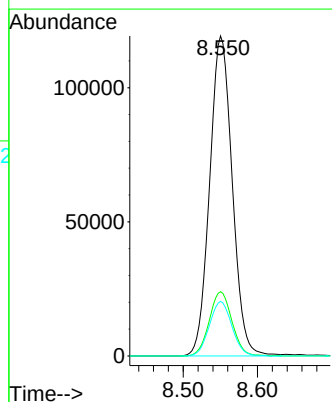
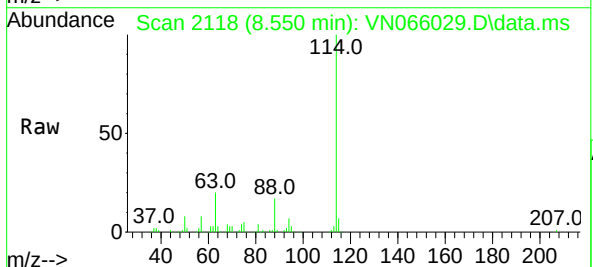
Instrument :
MSVOA_N
ClientSampleId :

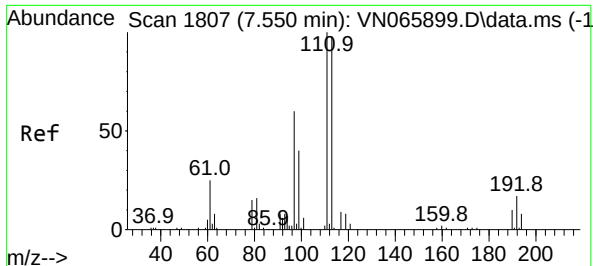
Tgt Ion: 65 Resp: 96747
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 114 Resp: 251962
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.6
88 17.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.72 ug/l

RT: 7.553 min Scan# 1808

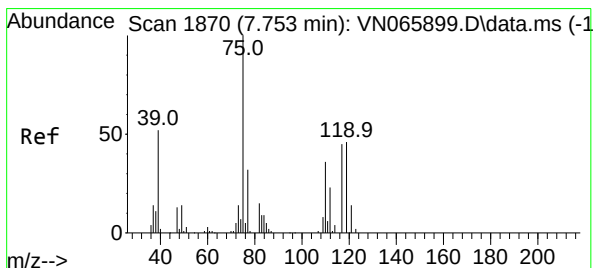
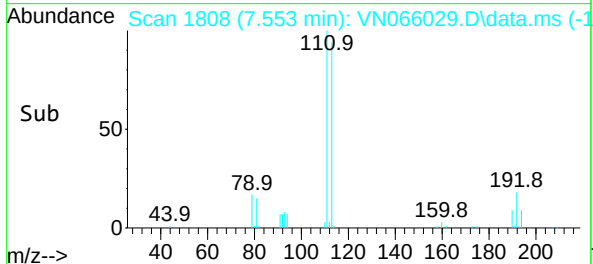
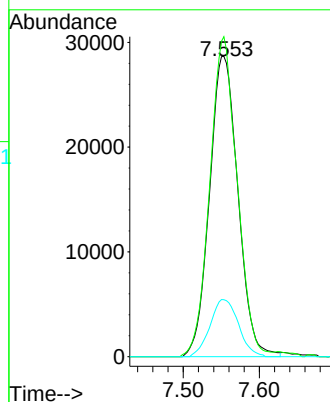
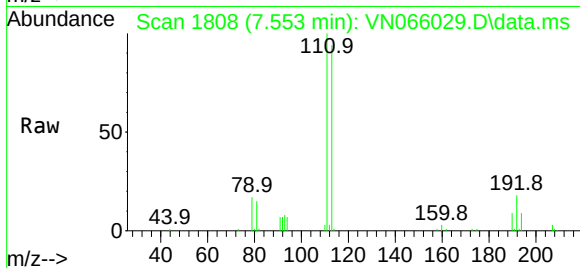
Delta R.T. 0.003 min

Lab File: VN066029.D

Acq: 25 Feb 2021 15:44

Tgt Ion:	113	Resp:	74409
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.2	123.2
192	19.0	15.4	23.0

Instrument :
MSVOA_N
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.80 ug/l

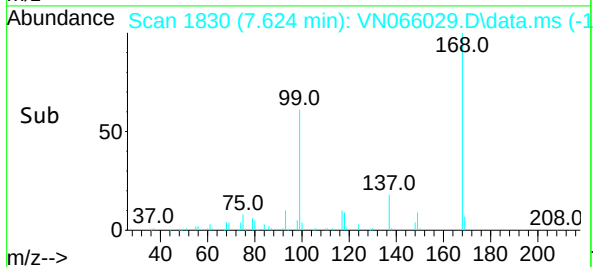
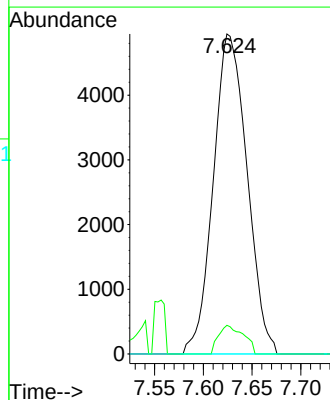
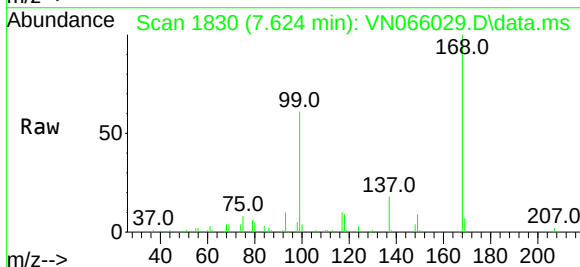
RT: 7.624 min Scan# 1830

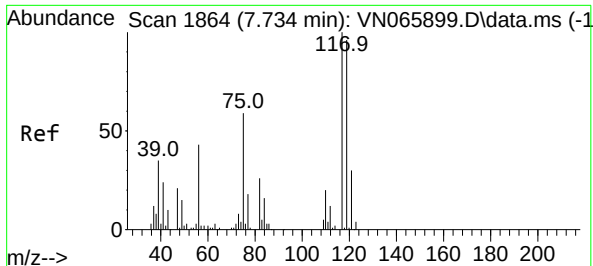
Delta R.T. -0.129 min

Lab File: VN066029.D

Acq: 25 Feb 2021 15:44

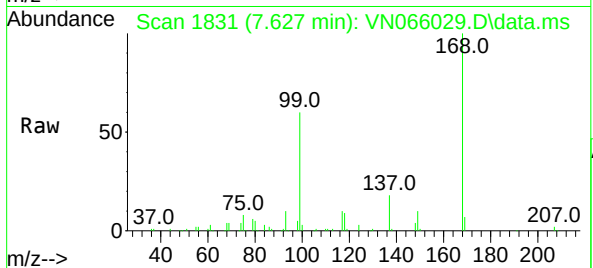
Tgt Ion:	75	Resp:	11917
Ion Ratio	Lower	Upper	
75	100		
110	6.7	18.2	54.6#
77	0.0	24.9	37.3#



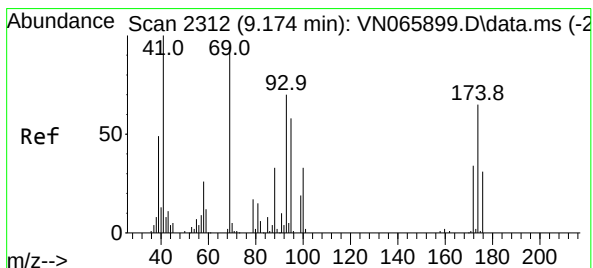
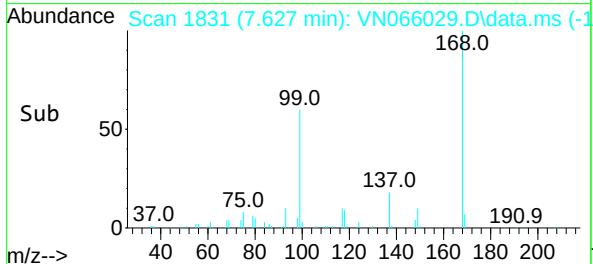
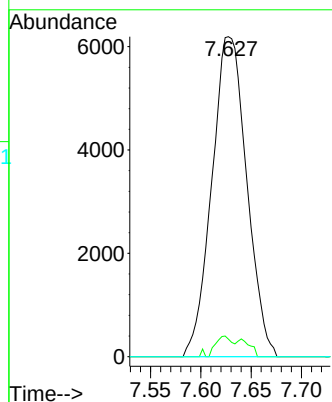


#38
Carbon Tetrachloride
Concen: 6.48 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Instrument :
MSVOA_N
ClientSampleId :

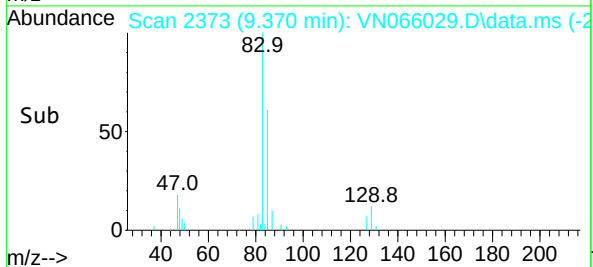
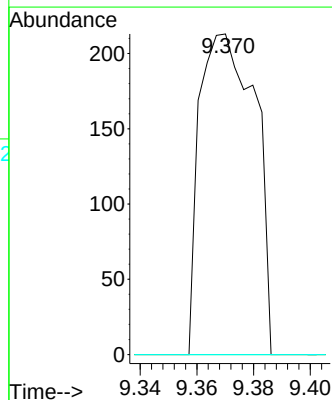
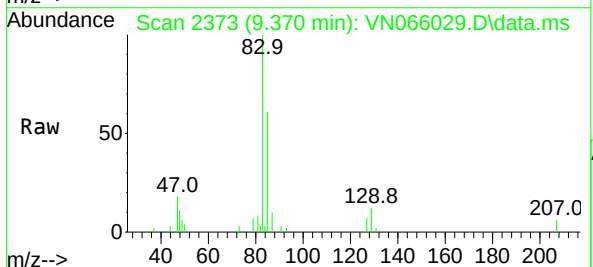


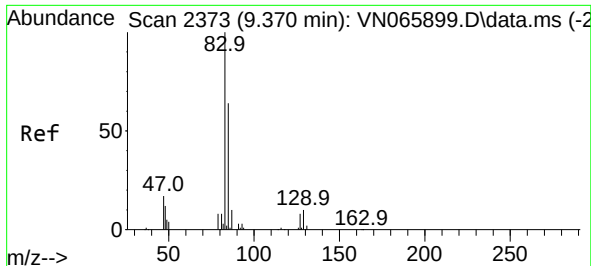
Tgt Ion:117 Resp: 14955
Ion Ratio Lower Upper
117 100
119 5.5 76.0 114.0#
121 0.0 24.5 36.7#



#46
Dibromomethane
Concen: 0.24 ug/l
RT: 9.370 min Scan# 2373
Delta R.T. 0.196 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 93 Resp: 288
Ion Ratio Lower Upper
93 100
95 0.0 67.0 100.6#
174 0.0 83.2 124.8#

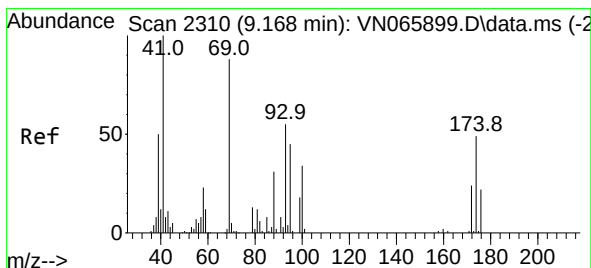
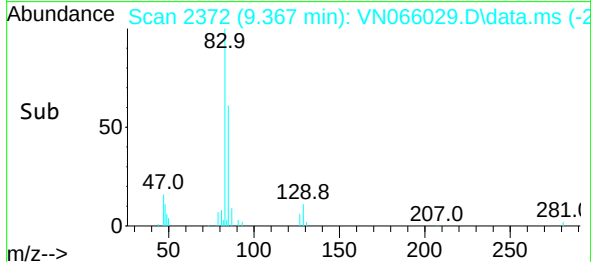
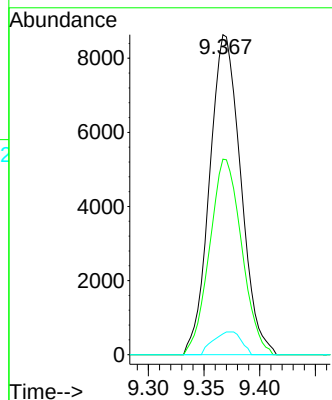
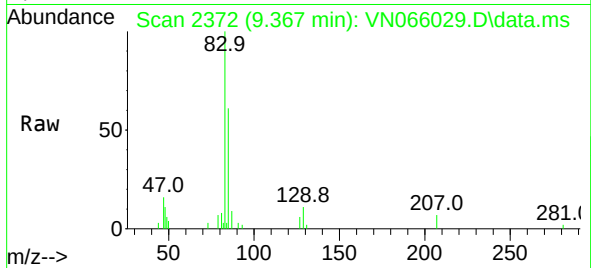




#47
Bromodichloromethane
Concen: 6.93 ug/l
RT: 9.367 min Scan# 2372
Delta R.T. -0.003 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

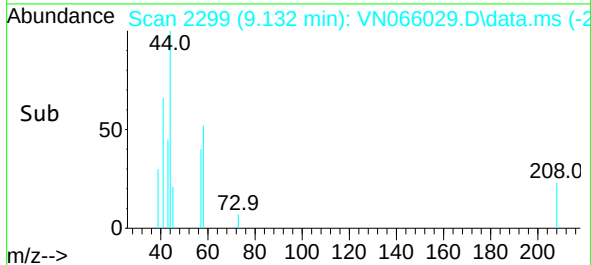
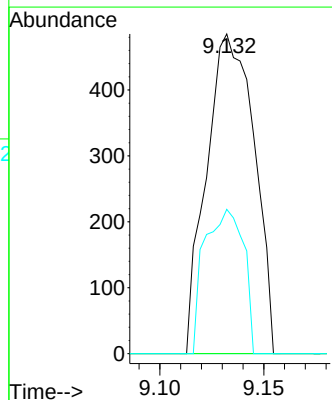
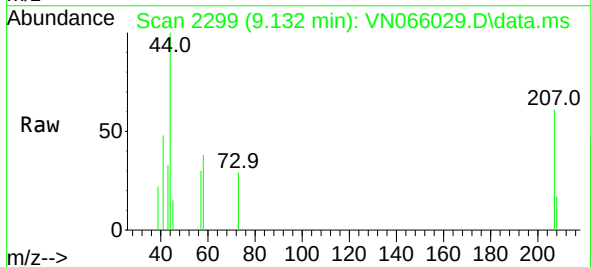
Instrument :
MSVOA_N
ClientSampleId :

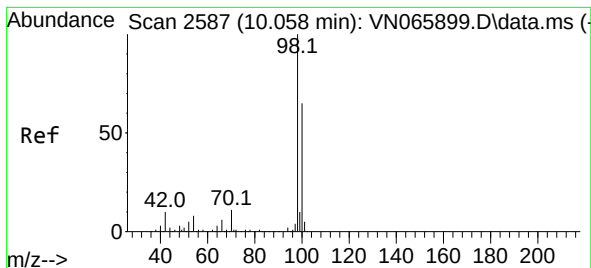
Tgt Ion: 83 Resp: 16780
Ion Ratio Lower Upper
83 100
85 61.1 51.0 76.4
127 6.5 7.0 10.6#



#48
Methyl methacrylate
Concen: 0.43 ug/l
RT: 9.132 min Scan# 2299
Delta R.T. -0.036 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 41 Resp: 773
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 37.0 46.6 69.8#

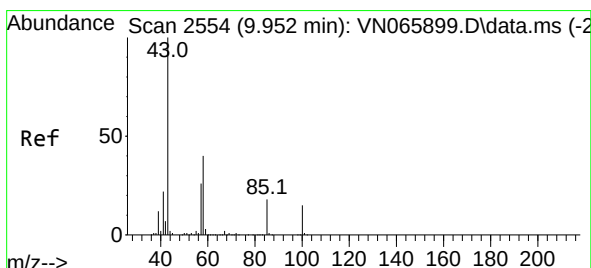
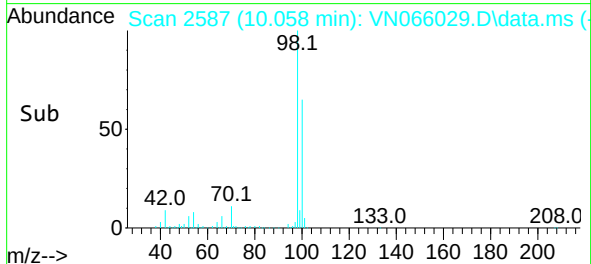
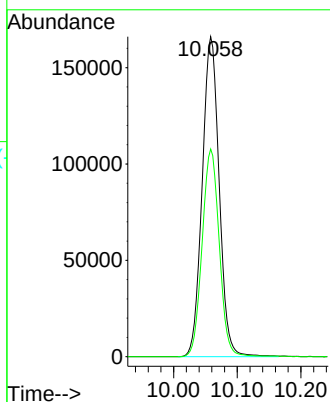
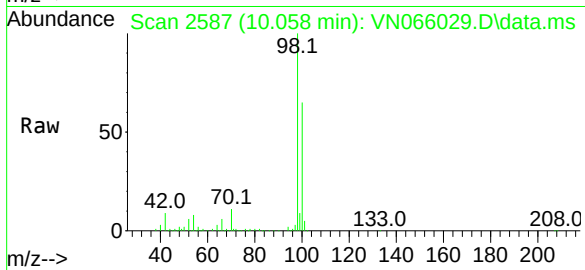




#50
Toluene-d8
Concen: 48.12 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

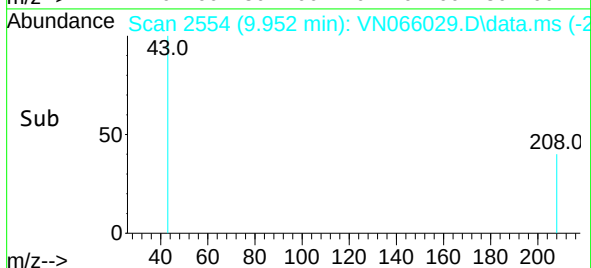
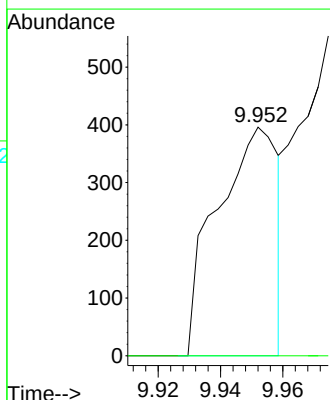
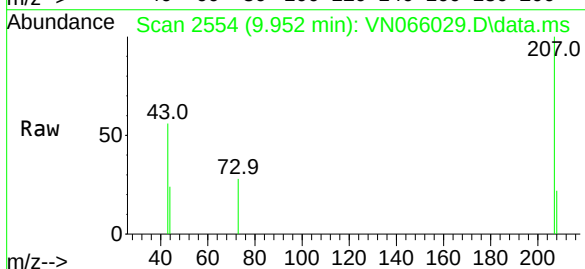
Instrument :
MSVOA_N
ClientSampled :

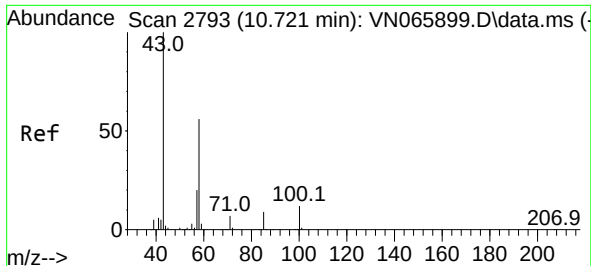
Tgt Ion: 98 Resp: 308017
Ion Ratio Lower Upper
98 100
100 65.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#

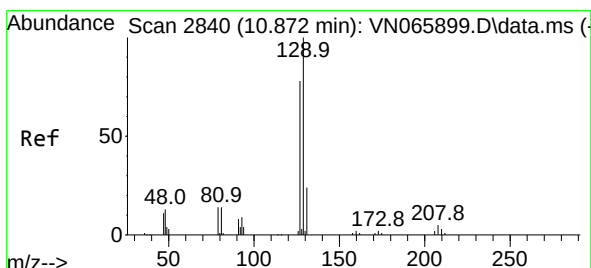
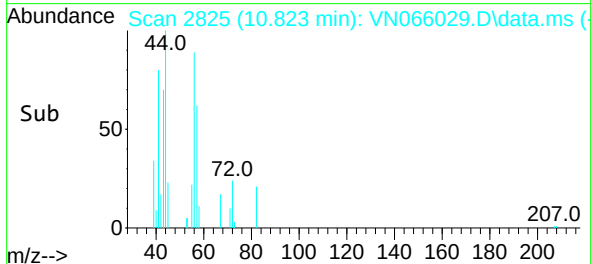
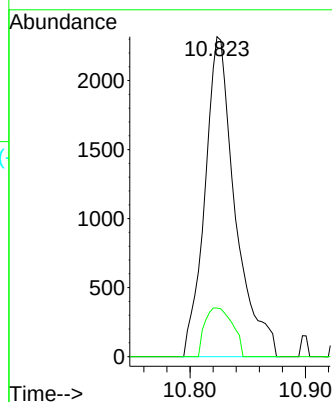
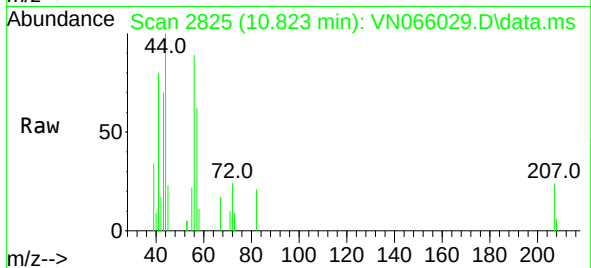




#59
2-Hexanone
Concen: 2.72 ug/l
RT: 10.823 min Scan# 2825
Delta R.T. 0.102 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

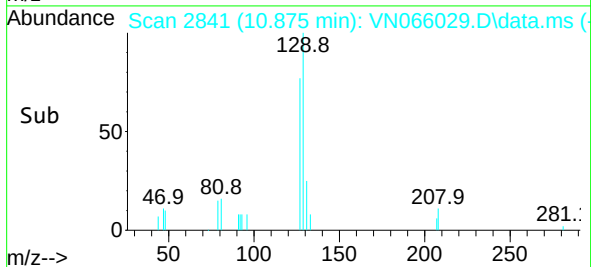
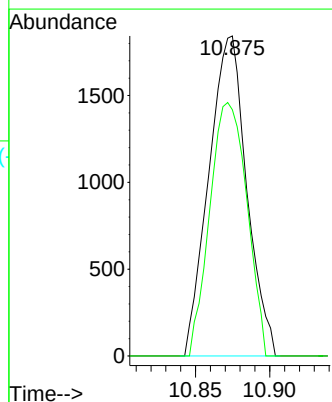
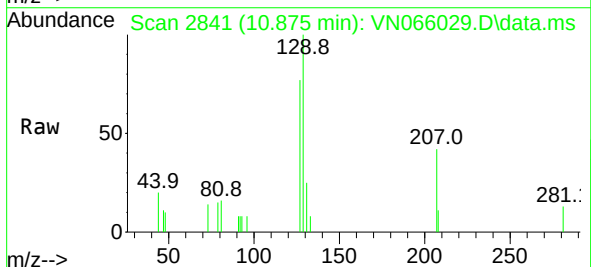
Instrument :
MSVOA_N
ClientSampleId :

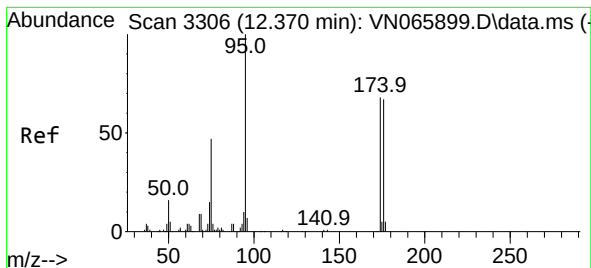
Tgt Ion: 43 Resp: 4221
Ion Ratio Lower Upper
43 100
58 13.8 28.1 84.3#



#60
Dibromochloromethane
Concen: 1.83 ug/l
RT: 10.875 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 129 Resp: 3274
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

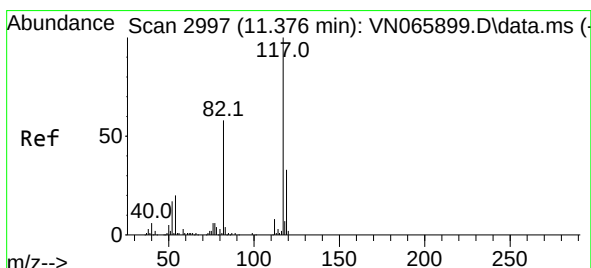
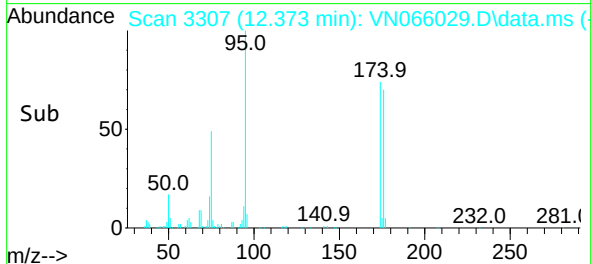
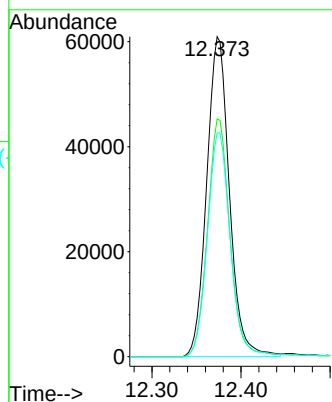
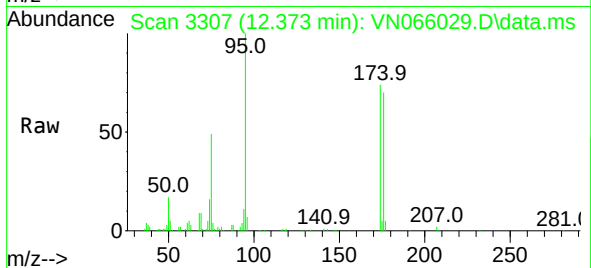




#62
4-Bromofluorobenzene
Concen: 44.82 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

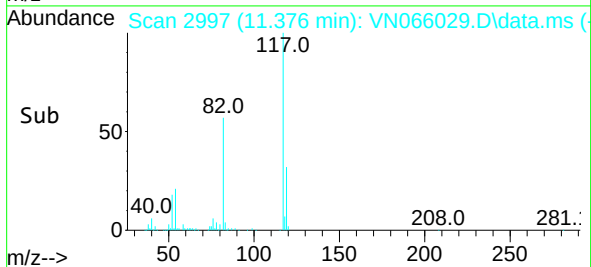
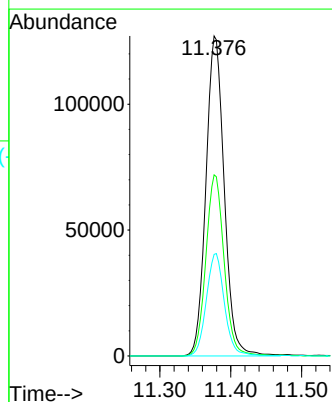
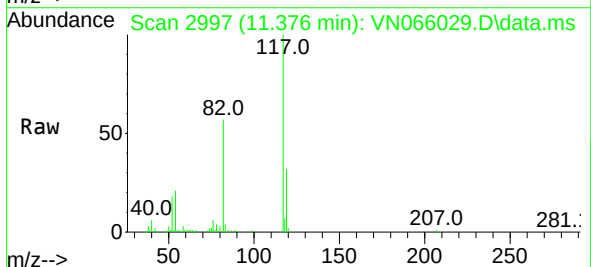
Instrument :
MSVOA_N
ClientSampleId :

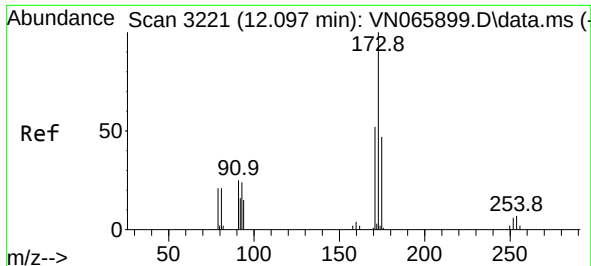
Tgt Ion: 95 Resp: 107696
Ion Ratio Lower Upper
95 100
174 73.5 0.0 169.0
176 70.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 117 Resp: 228036
Ion Ratio Lower Upper
117 100
82 56.6 43.7 65.5
119 31.7 26.1 39.1

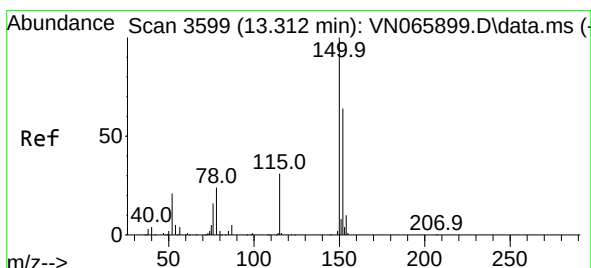
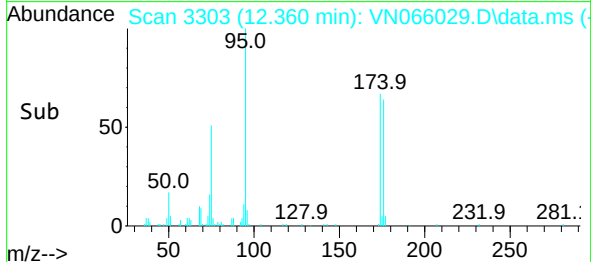
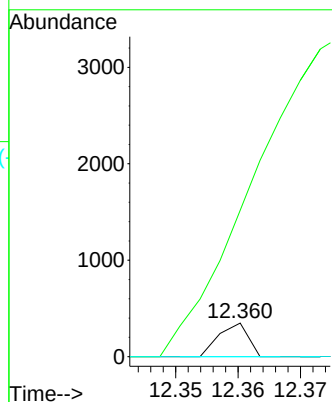
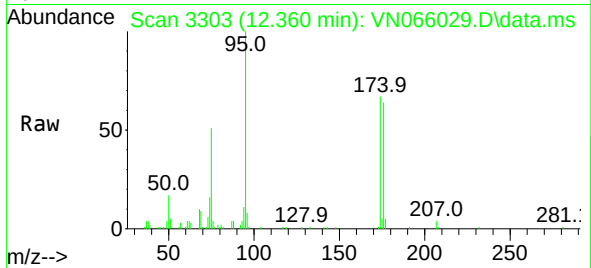




#71
Bromoform
Concen: 2.59 ug/l
RT: 12.360 min Scan# 3303
Delta R.T. 0.263 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

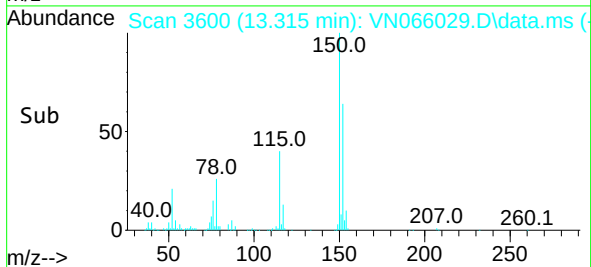
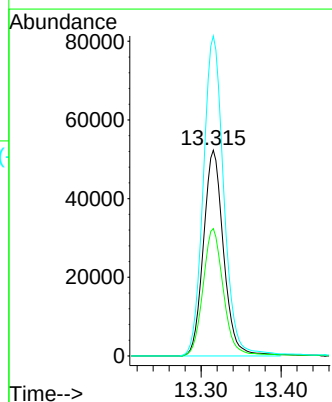
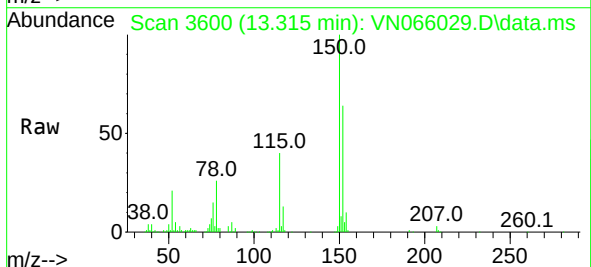
Instrument :
MSVOA_N
ClientSampleId :

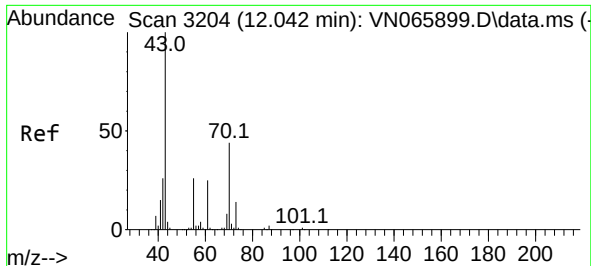
Tgt Ion:173 Resp: 114
Ion Ratio Lower Upper
173 100
175 3882.5 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

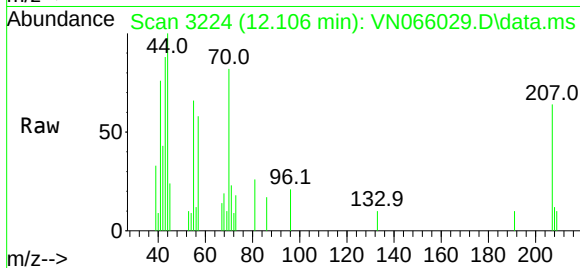
Tgt Ion:152 Resp: 91652
Ion Ratio Lower Upper
152 100
115 63.0 28.5 85.6
150 159.7 0.0 347.6



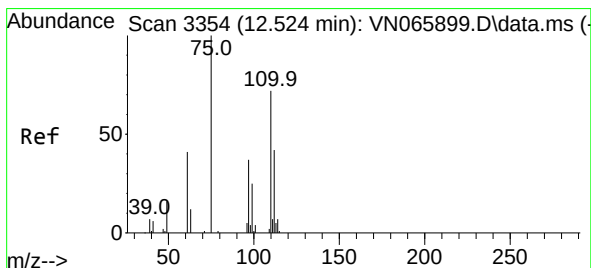
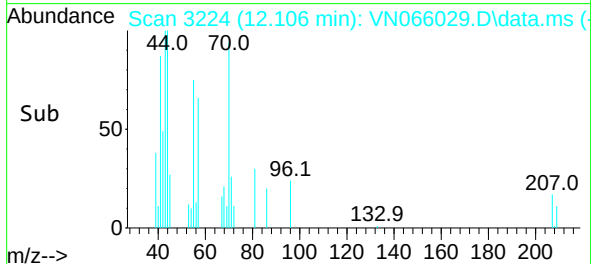
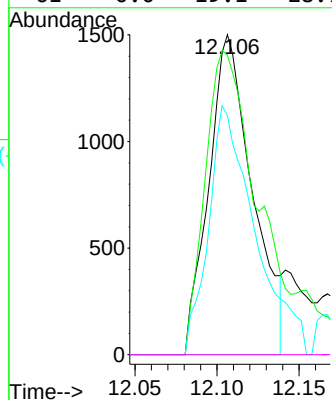


#74
N-amy1 acetate
Concen: 1.07 ug/l
RT: 12.106 min Scan# 3224
Delta R.T. 0.064 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Instrument :
MSVOA_N
ClientSampleId :

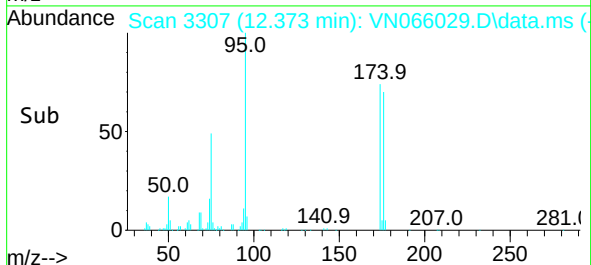
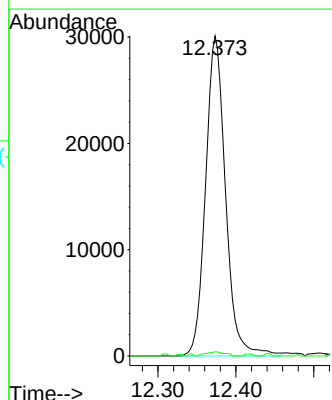
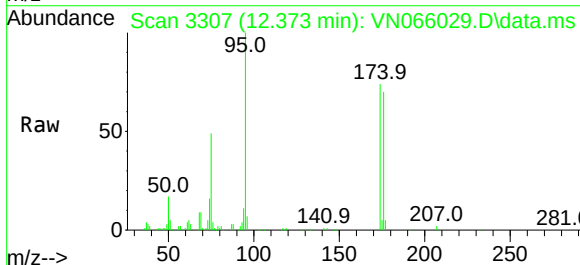


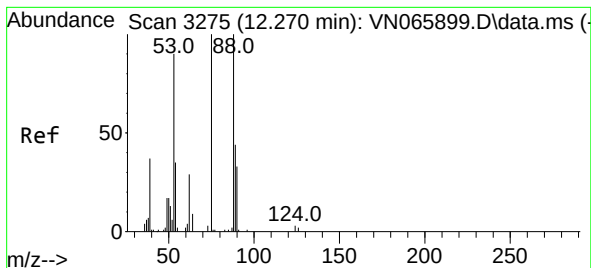
Tgt Ion: 43	Resp: 2774
Ion Ratio	Lower Upper
43 100	
70 112.2	34.4 51.6#
55 82.8	20.7 31.1#
61 0.0	19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 24.31 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 75	Resp: 53527
Ion Ratio	Lower Upper
75 100	
77 1.2	0.0 0.0#

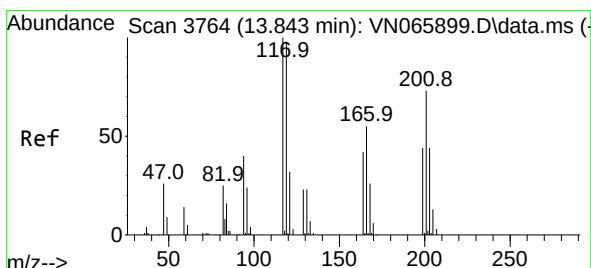
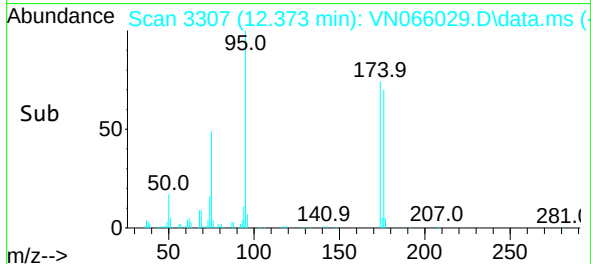
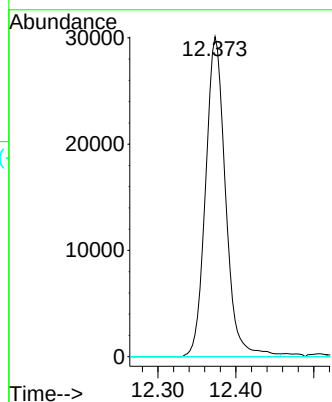
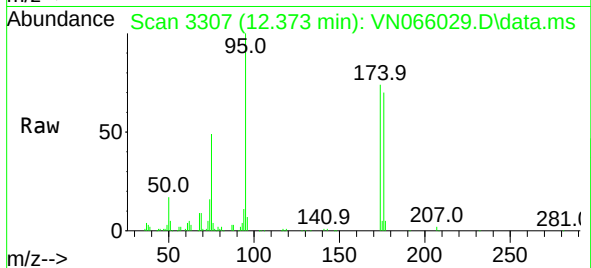




#81
trans-1,4-Dichloro-2-butene
Concen: 77.48 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

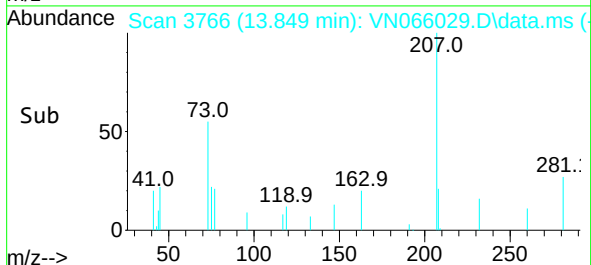
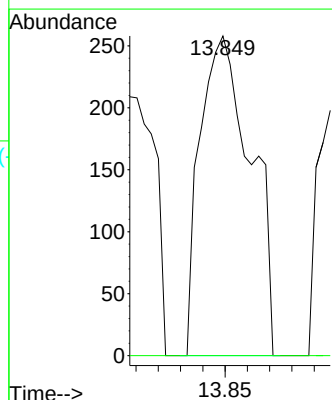
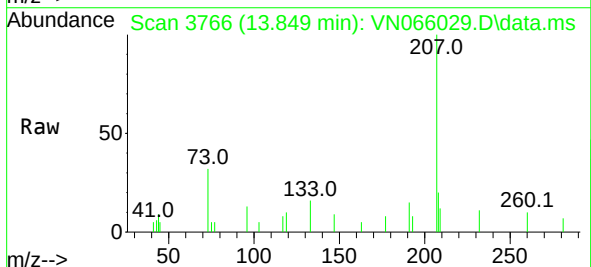
Instrument :
MSVOA_N
ClientSampleId :

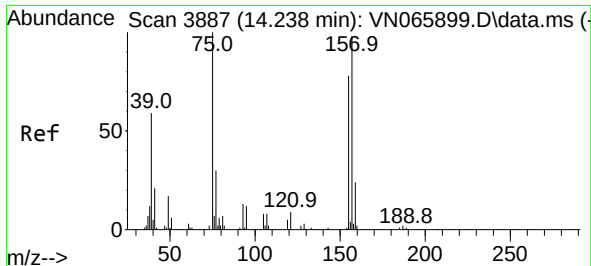
Tgt Ion: 75 Resp: 53527
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#90
Hexachloroethane
Concen: 0.39 ug/l
RT: 13.849 min Scan# 3766
Delta R.T. 0.006 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 117 Resp: 409
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#

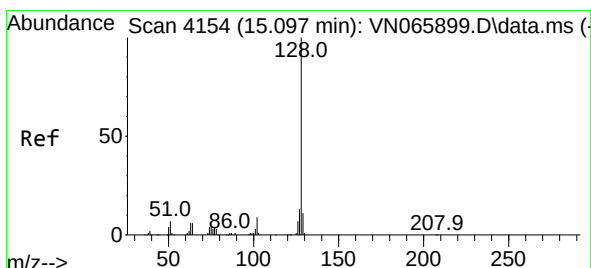
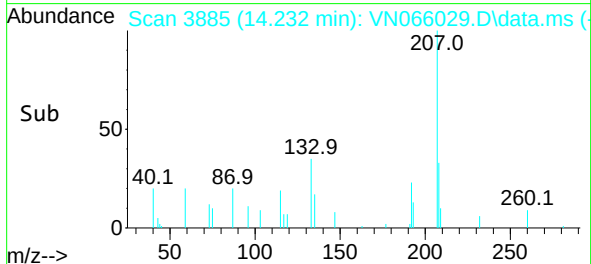
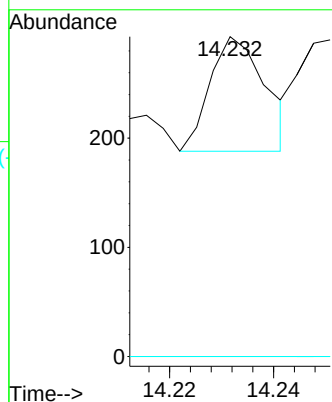
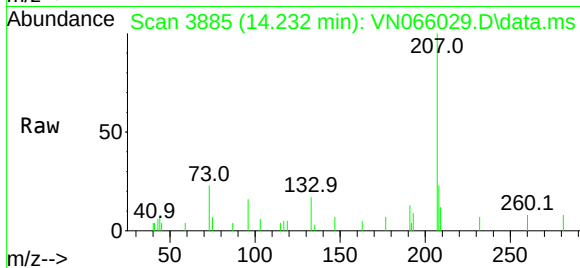




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.02 ug/l
RT: 14.232 min Scan# 3885
Delta R.T. -0.006 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 3.15 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN066029.D
Acq: 25 Feb 2021 15:44

Tgt Ion: 128 Resp: 541
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

