

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030221\
 Data File : VN066109.D
 Acq On : 2 Mar 2021 19:26
 Operator : JC/MD
 Sample : M1501-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 03:55:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 02 14:05:08 2021
 Response via : Initial Calibration

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

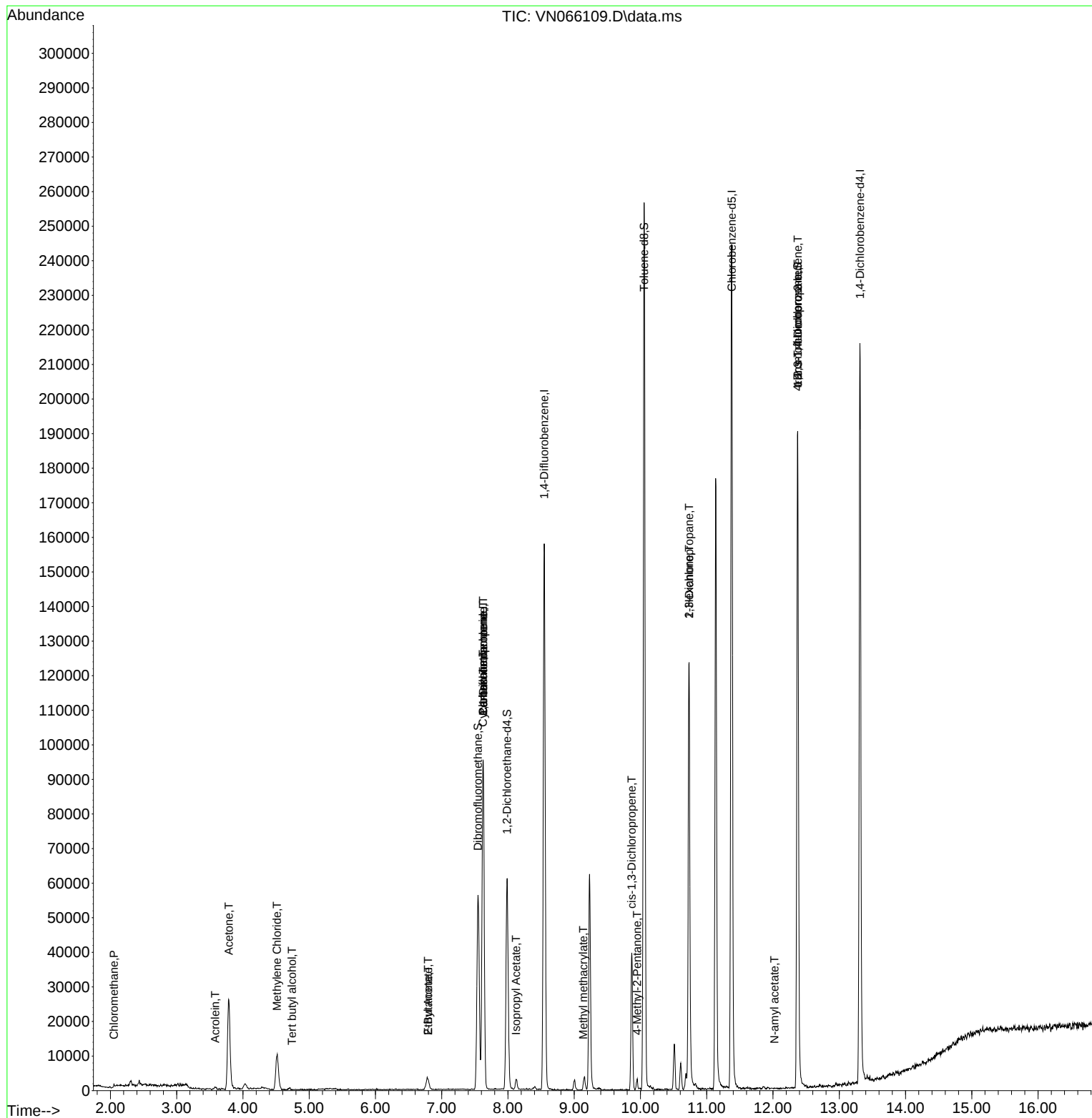
Internal Standards						
1) Pentafluorobenzene	7.624	168	76672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	141473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	149799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	61332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	57934	49.65	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.30%			
35) Dibromofluoromethane	7.547	113	44014	49.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.26%			
50) Toluene-d8	10.055	98	181348	51.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.94%			
62) 4-Bromofluorobenzene	12.370	95	76285	56.76	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 113.52%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.052	50	568	0.67	ug/l	95
11) Tert butyl alcohol	4.740	59	59	0.37	ug/l #	73
13) Acrolein	3.582	56	615	8.28	ug/l	86
16) Acetone	3.785	43	45446	130.31	ug/l	96
20) Methylene Chloride	4.515	84	8193	8.92	ug/l	95
25) 2-Butanone	6.795	43	4955	10.71	ug/l	96
31) Cyclohexane	7.621	56	917	0.66	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	6035	4.54	ug/l #	44
37) Ethyl Acetate	6.795	43	4955	4.78	ug/l #	68
38) Carbon Tetrachloride	7.624	117	7574	4.95	ug/l #	16
43) Isopropyl Acetate	8.122	43	3522	1.82	ug/l #	78
48) Methyl methacrylate	9.135	41	273	0.29	ug/l #	10
51) 4-Methyl-2-Pentanone	9.949	43	2074	1.95	ug/l #	83
54) cis-1,3-Dichloropropene	9.868	75	7793	4.40	ug/l #	60
57) 1,3-Dichloropropane	10.733	76	1248	0.78	ug/l #	43
59) 2-Hexanone	10.733	43	18745	26.10	ug/l #	51
74) N-amyl acetate	12.023	43	94	3.25	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	39297	29.02	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	39297	85.38	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.244	75	64	Below Cal	#	1

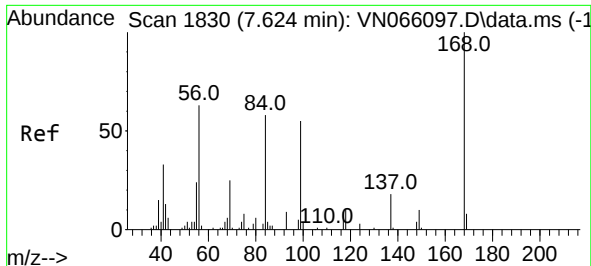
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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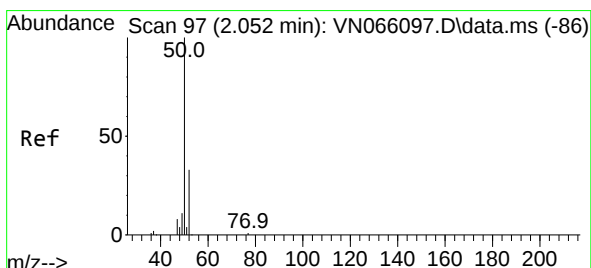
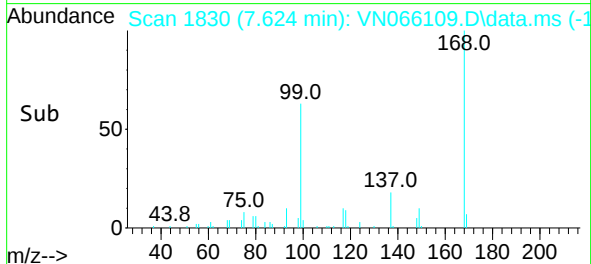
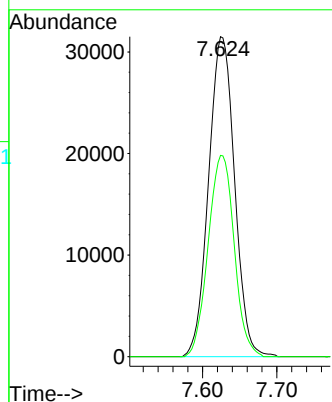
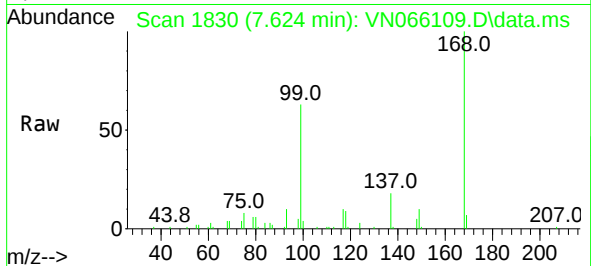




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

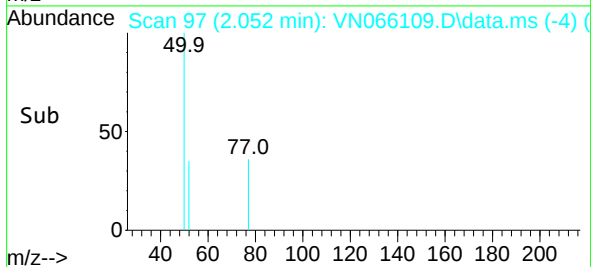
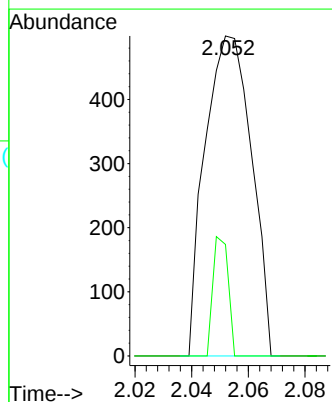
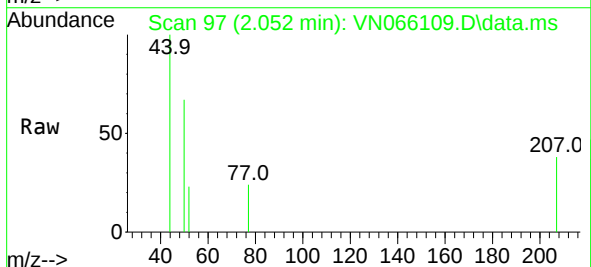
Instrument :
MSVOA_N
ClientSampled :

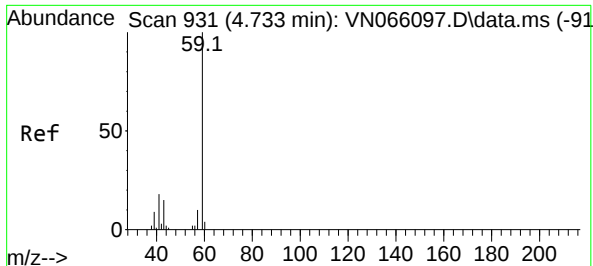
Tgt Ion:168 Resp: 76672
Ion Ratio Lower Upper
168 100
99 62.9 42.6 63.8



#3
Chloromethane
Concen: 0.67 ug/l
RT: 2.052 min Scan# 97
Delta R.T. -0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 50 Resp: 568
Ion Ratio Lower Upper
50 100
52 34.9 25.8 38.8

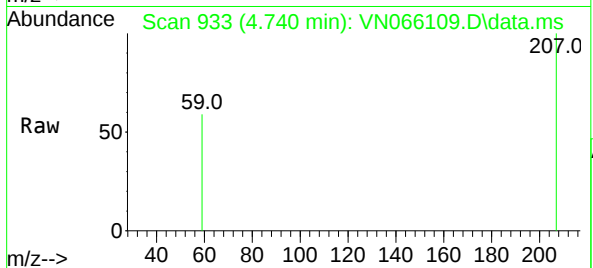




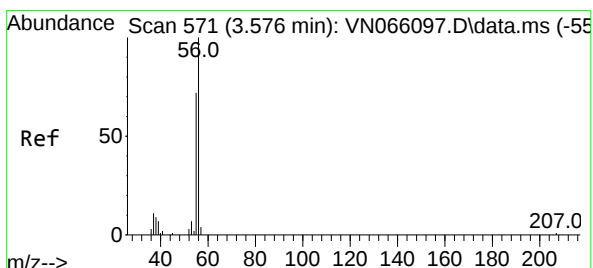
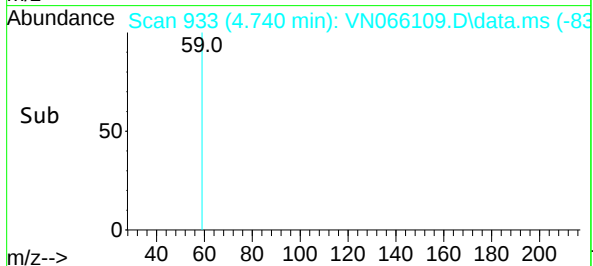
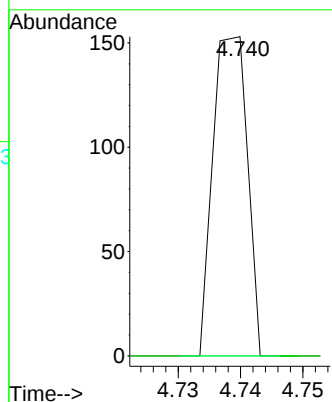
#11

Tert butyl alcohol
Concen: 0.37 ug/l
RT: 4.740 min Scan# 933
Delta R.T. 0.007 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Instrument :
MSVOA_N
ClientSampled :



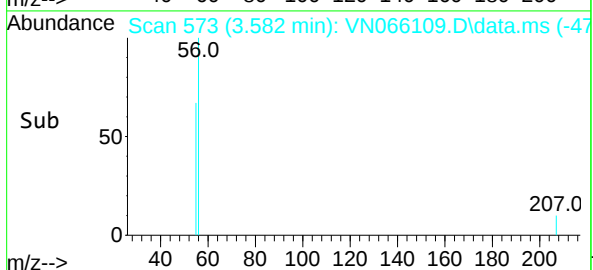
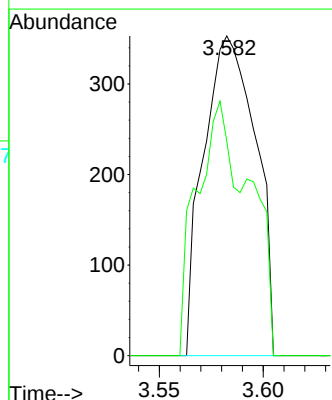
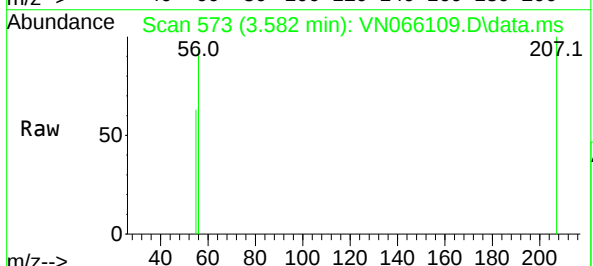
Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

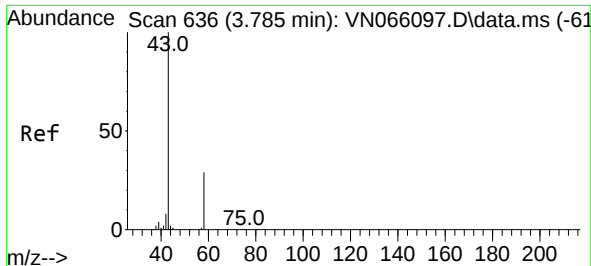


#13

Acrolein
Concen: 8.28 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.006 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 56 Resp: 615
Ion Ratio Lower Upper
56 100
55 58.5 56.0 84.0

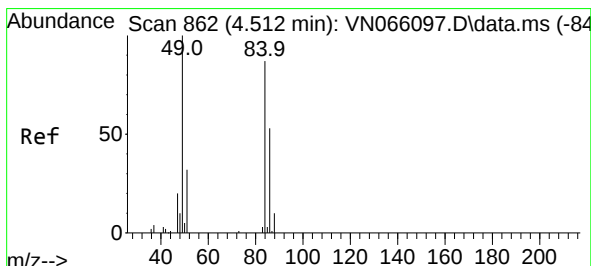
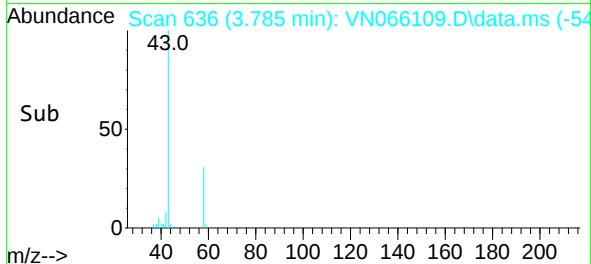
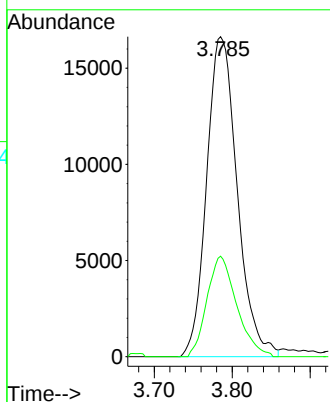
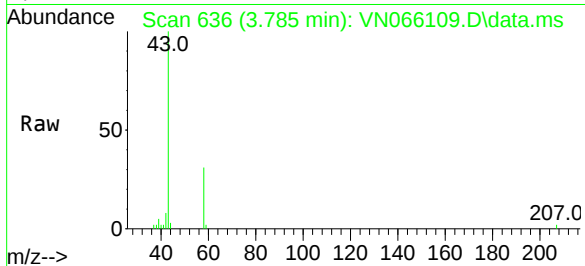




#16
Acetone
Concen: 130.31 ug/l
RT: 3.785 min Scan# 636
Delta R.T. -0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

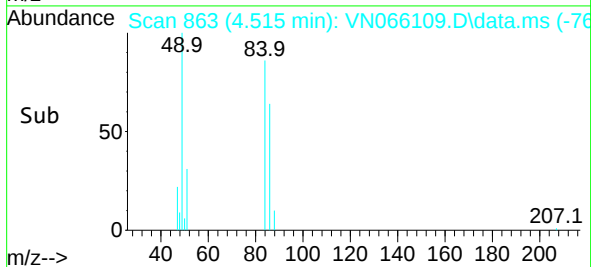
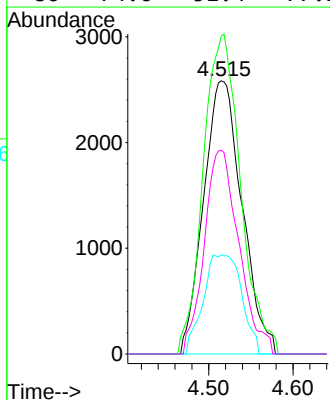
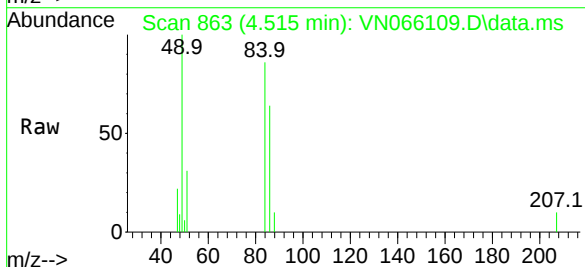
Instrument :
MSVOA_N
ClientSampled :

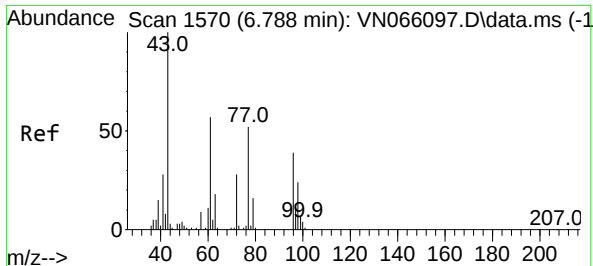
Tgt Ion: 43 Resp: 45446
Ion Ratio Lower Upper
43 100
58 31.4 27.0 40.6



#20
Methylene Chloride
Concen: 8.92 ug/l
RT: 4.515 min Scan# 863
Delta R.T. 0.003 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 84 Resp: 8193
Ion Ratio Lower Upper
84 100
49 116.4 94.6 141.8
51 36.3 29.9 44.9
86 74.6 51.4 77.2

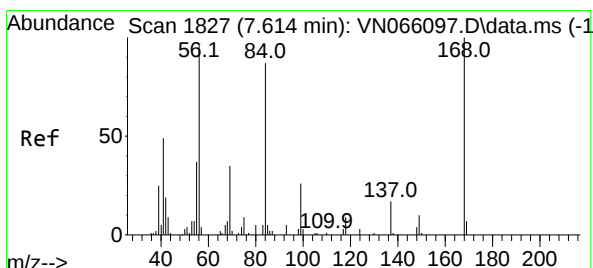
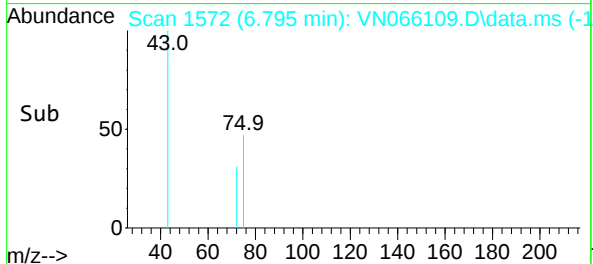
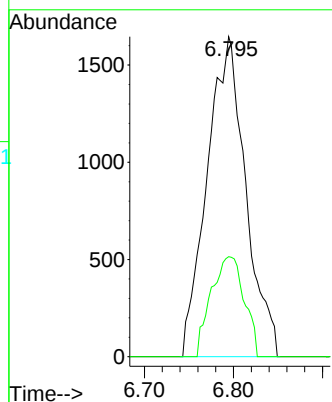
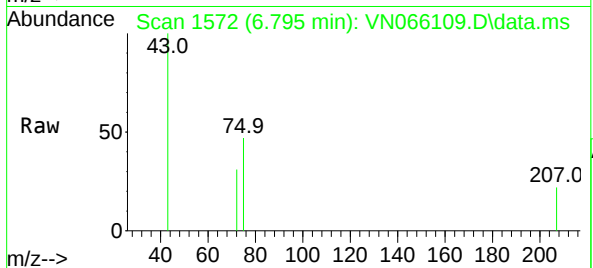




#25
2-Butanone
Concen: 10.71 ug/l
RT: 6.795 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

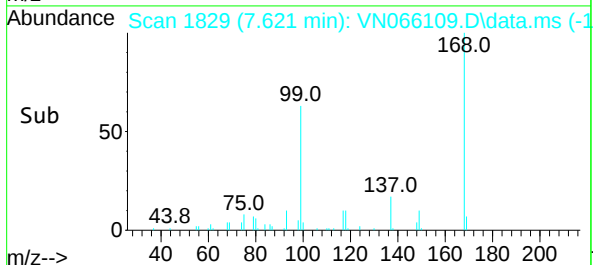
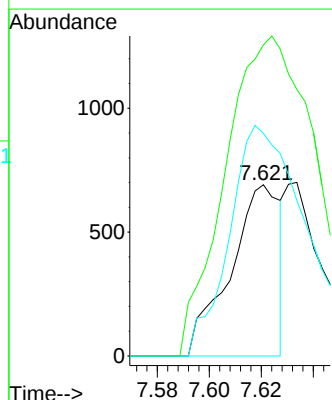
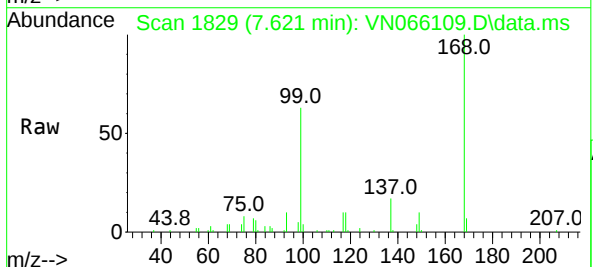
Instrument :
MSVOA_N
ClientSampled :

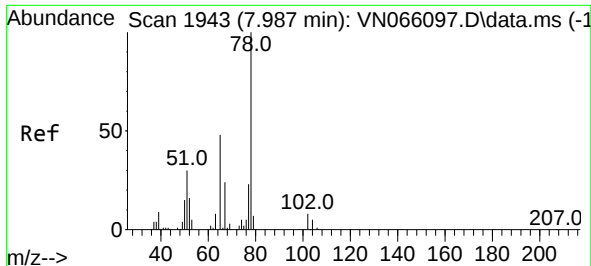
Tgt Ion: 43 Resp: 4955
Ion Ratio Lower Upper
43 100
72 31.3 23.1 34.7



#31
Cyclohexane
Concen: 0.66 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.007 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 56 Resp: 917
Ion Ratio Lower Upper
56 100
69 181.8 26.6 39.8#
84 130.1 70.4 105.6#

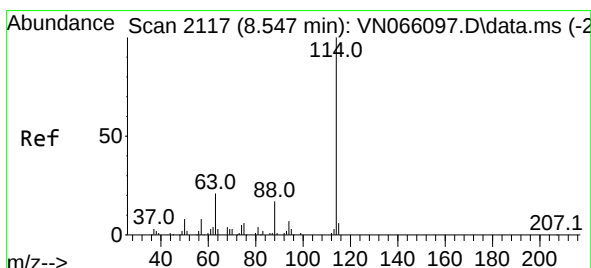
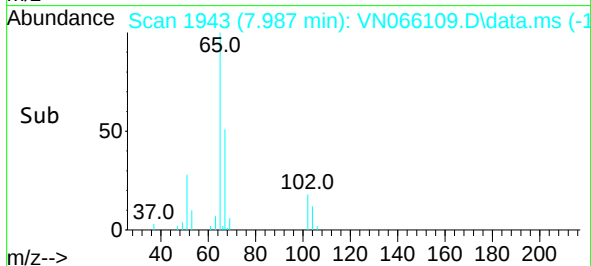
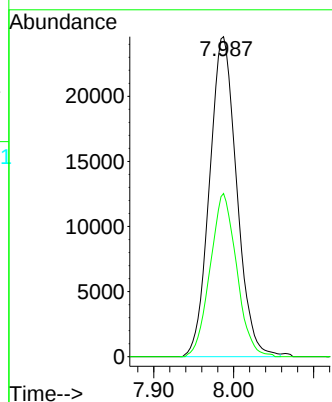
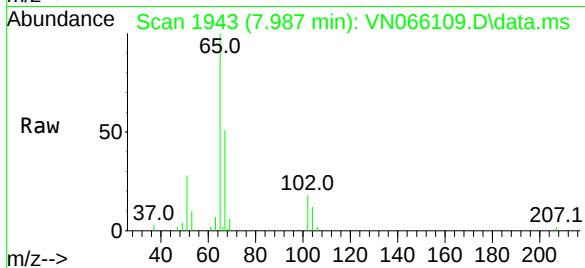




#33
1,2-Dichloroethane-d4
Concen: 49.65 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

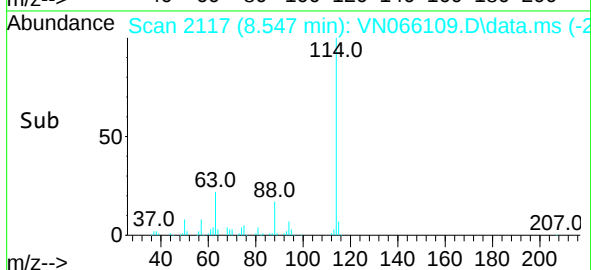
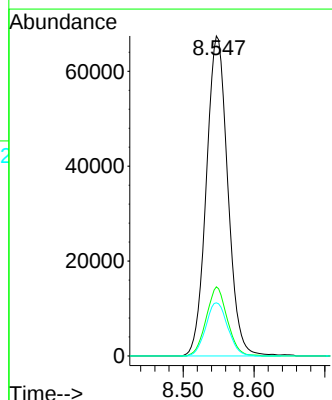
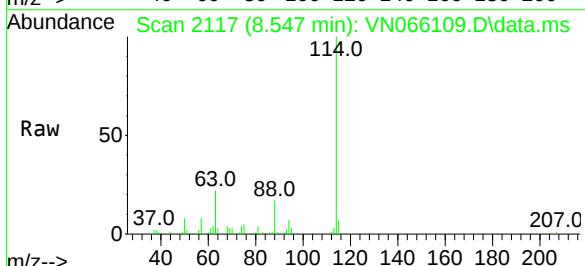
Instrument :
MSVOA_N
ClientSampled :

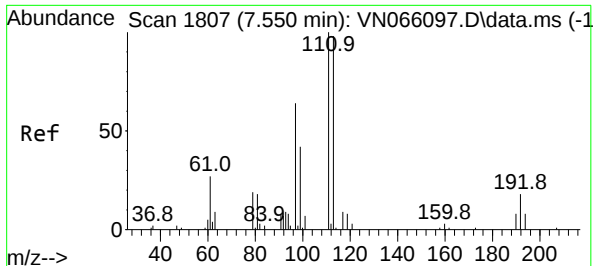
Tgt Ion: 65 Resp: 57934
Ion Ratio Lower Upper
65 100
67 49.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 114 Resp: 141473
Ion Ratio Lower Upper
114 100
63 21.6 0.0 38.6
88 16.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.13 ug/l

RT: 7.547 min Scan# 1806

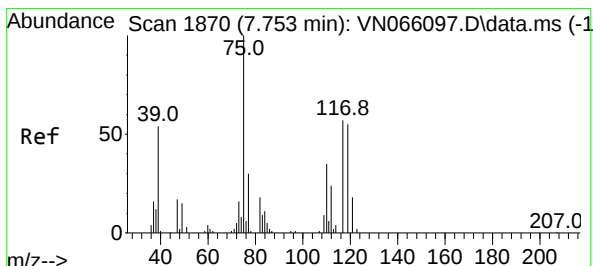
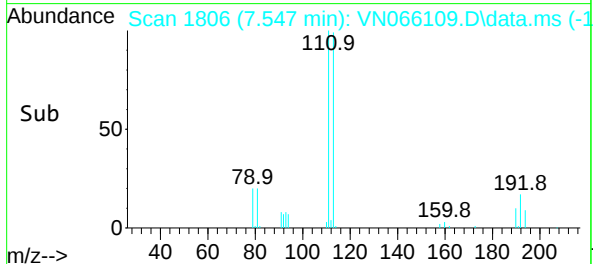
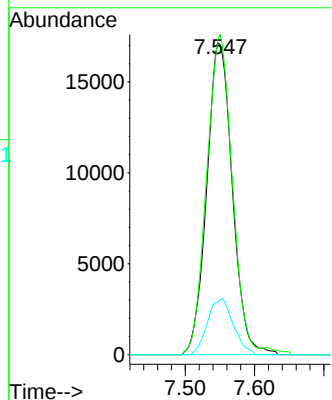
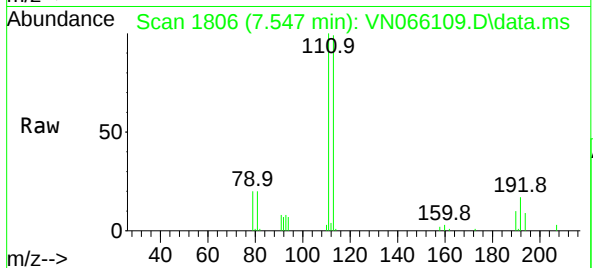
Delta R.T. -0.003 min

Lab File: VN066109.D

Acq: 2 Mar 2021 19:26

Tgt Ion:	113	Resp:	44014
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	18.1	15.4	23.0

Instrument :
MSVOA_N
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.54 ug/l

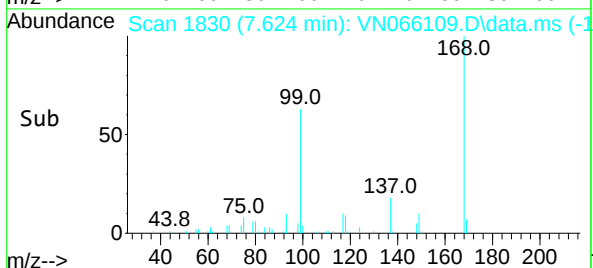
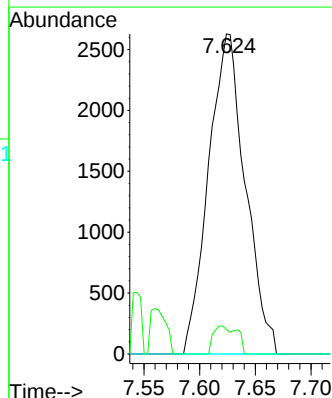
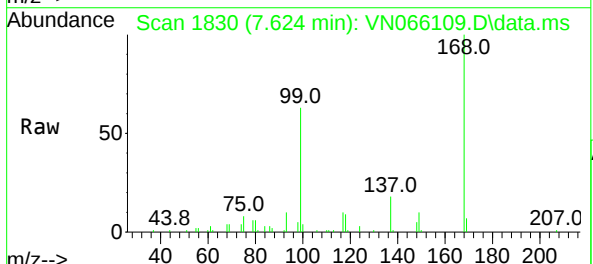
RT: 7.624 min Scan# 1830

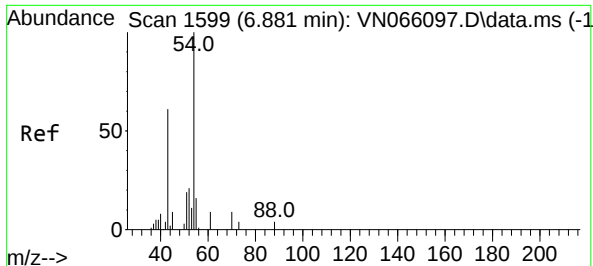
Delta R.T. -0.129 min

Lab File: VN066109.D

Acq: 2 Mar 2021 19:26

Tgt Ion:	75	Resp:	6035
Ion	Ratio	Lower	Upper
75	100		
110	3.8	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 4.78 ug/l

RT: 6.795 min Scan# 1572

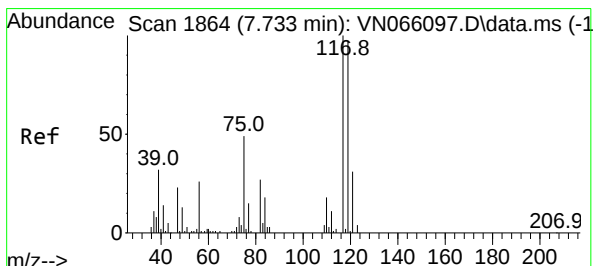
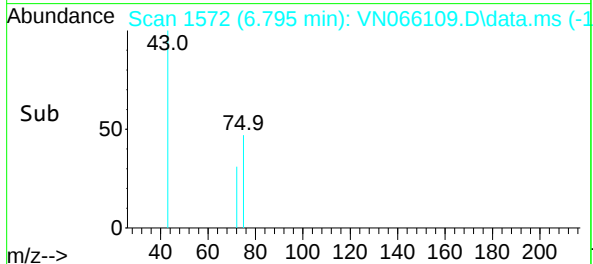
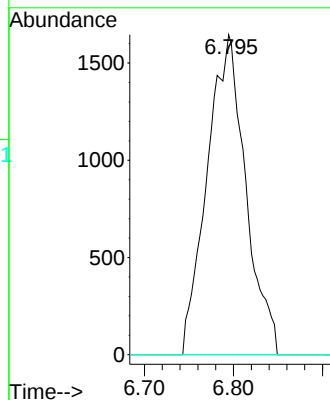
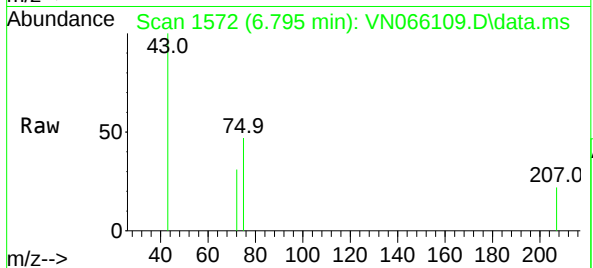
Delta R.T. -0.087 min

Lab File: VN066109.D

Acq: 2 Mar 2021 19:26

Tgt Ion:	43	Resp:	4955
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 4.95 ug/l

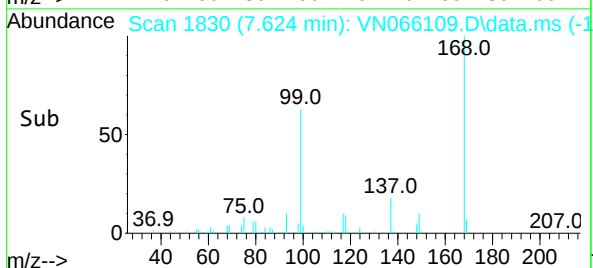
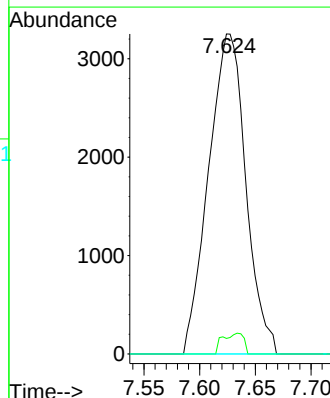
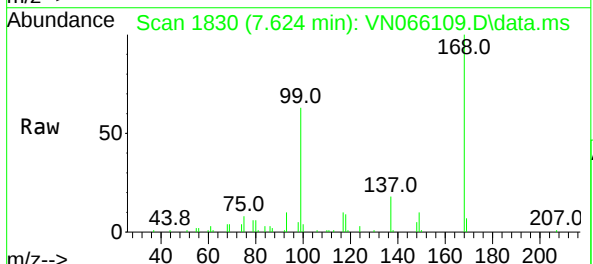
RT: 7.624 min Scan# 1830

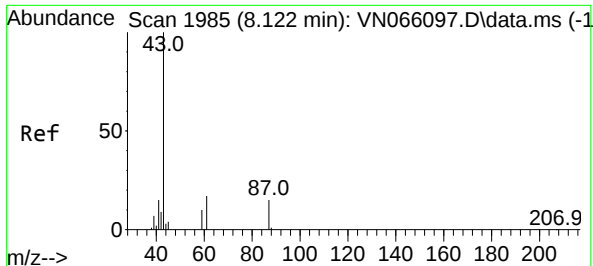
Delta R.T. -0.109 min

Lab File: VN066109.D

Acq: 2 Mar 2021 19:26

Tgt Ion:	117	Resp:	7574
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.0	114.0#
121	0.0	24.5	36.7#



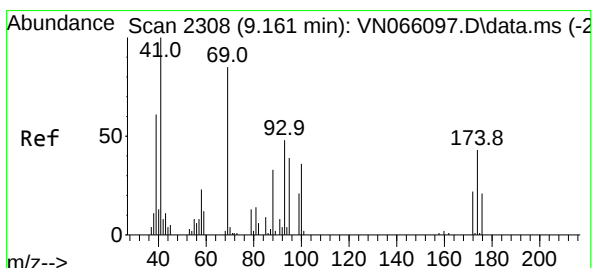
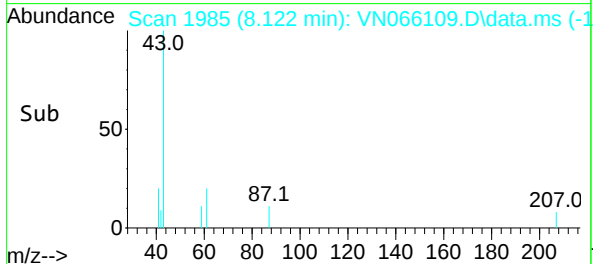
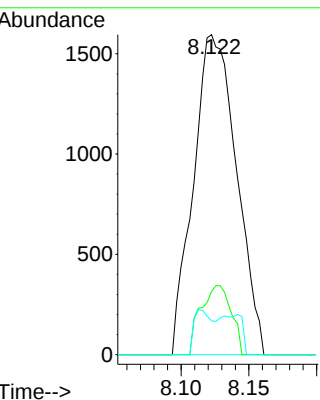
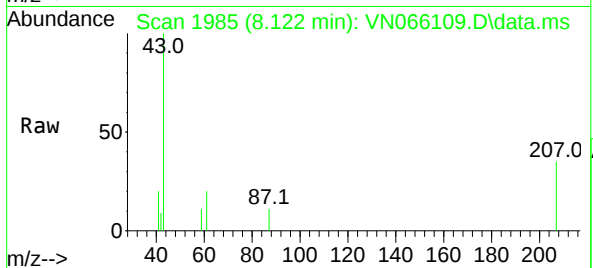


#43

Isopropyl Acetate
Concen: 1.82 ug/l
RT: 8.122 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Instrument :
MSVOA_N
ClientSampled :

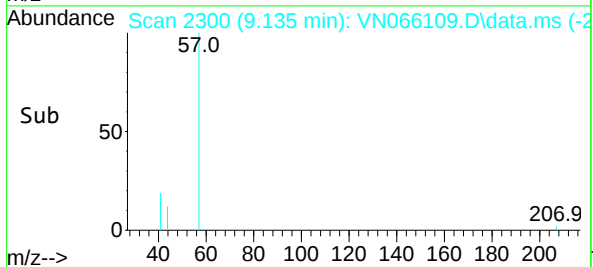
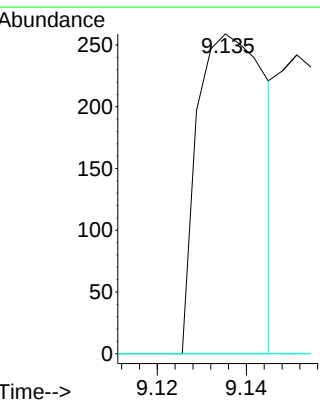
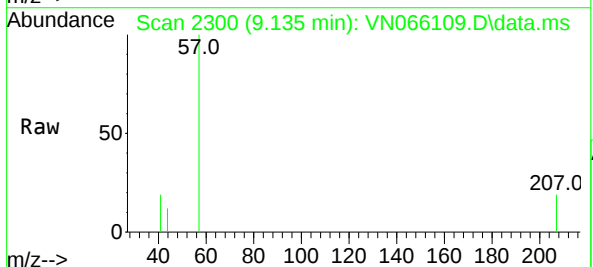
Tgt Ion: 43 Resp: 3522
Ion Ratio Lower Upper
43 100
61 15.3 22.5 33.7#
87 6.3 11.1 16.7#

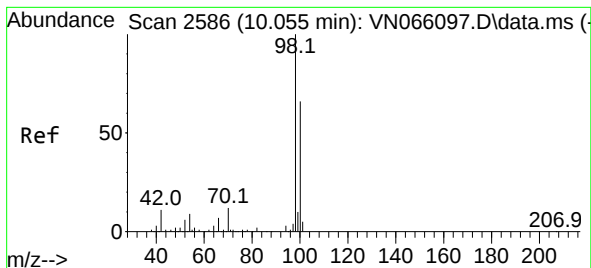


#48

Methyl methacrylate
Concen: 0.29 ug/l
RT: 9.135 min Scan# 2300
Delta R.T. -0.026 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 41 Resp: 273
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

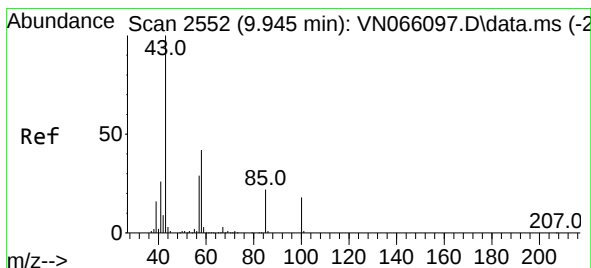
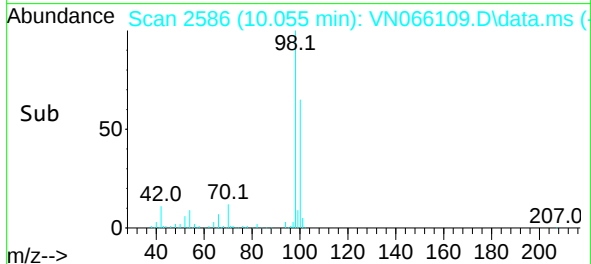
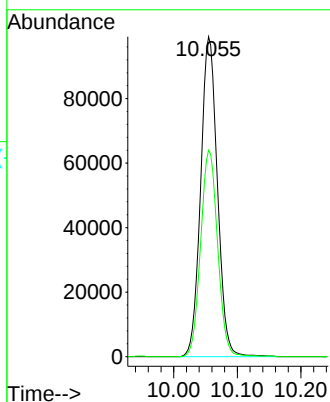
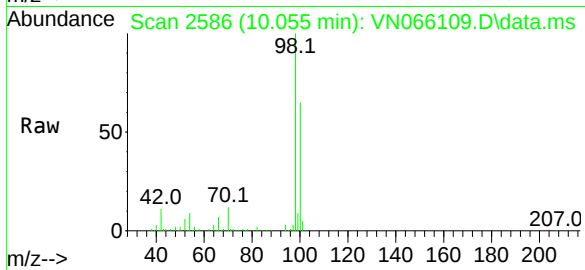




#50
Toluene-d8
Concen: 51.97 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

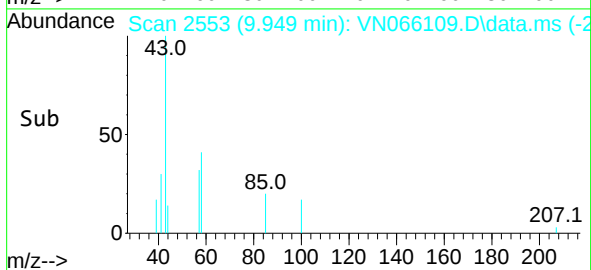
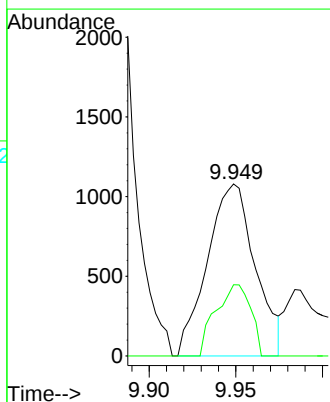
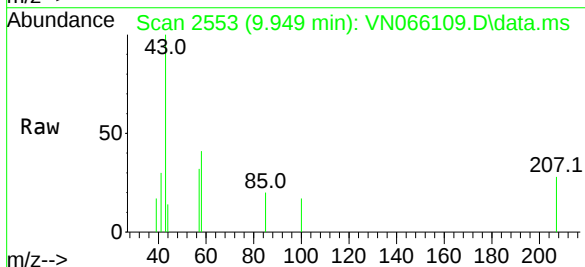
Instrument :
MSVOA_N
ClientSampled :

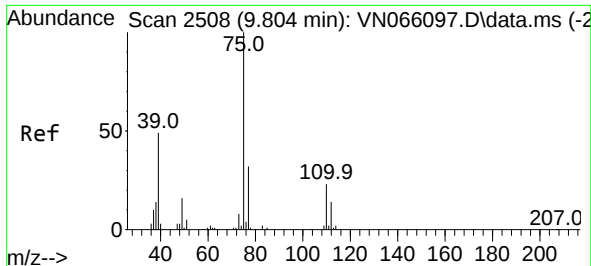
Tgt Ion: 98 Resp: 181348
Ion Ratio Lower Upper
98 100
100 65.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.95 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. 0.004 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
58 30.1 32.5 48.7#

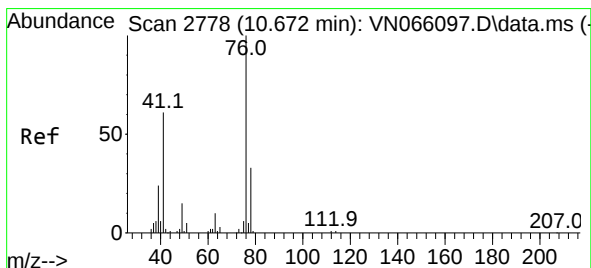
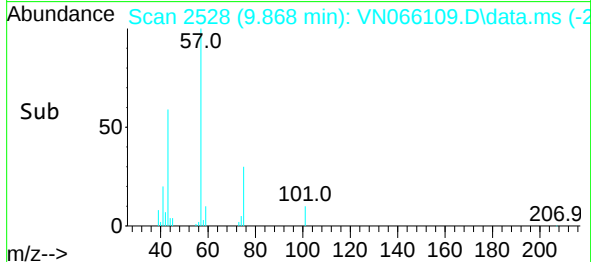
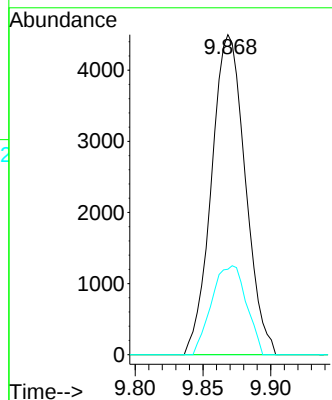
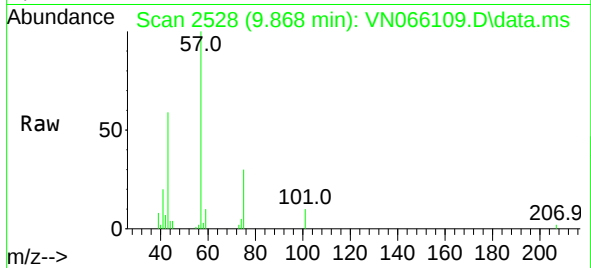




#54
cis-1,3-Dichloropropene
Concen: 4.40 ug/l
RT: 9.868 min Scan# 2528
Delta R.T. 0.064 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

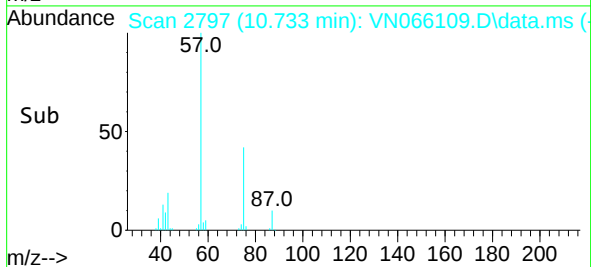
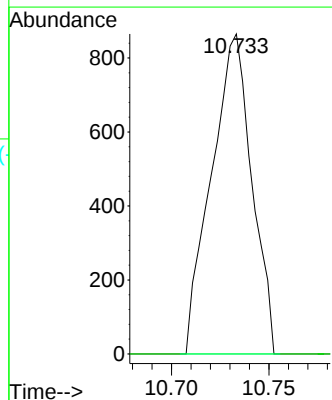
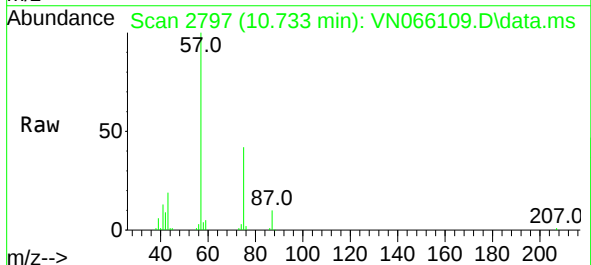
Instrument :
MSVOA_N
ClientSampled :

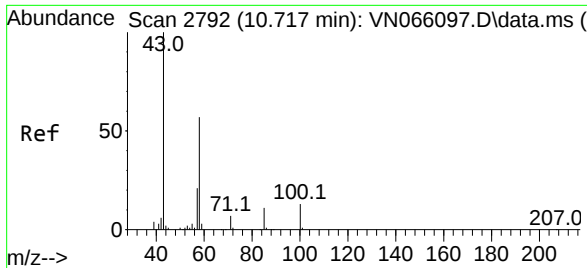
Tgt Ion: 75 Resp: 7793
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 26.7 36.2 54.4#



#57
1,3-Dichloropropane
Concen: 0.78 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.061 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 76 Resp: 1248
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

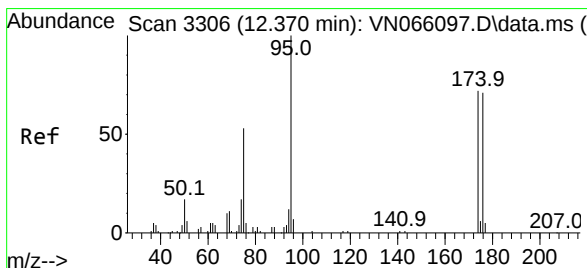
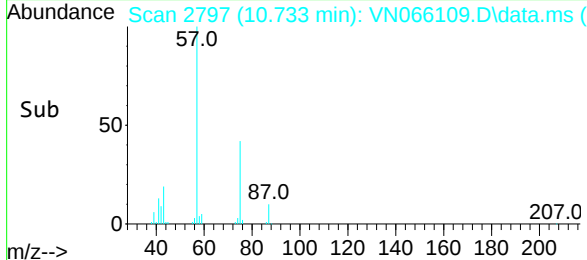
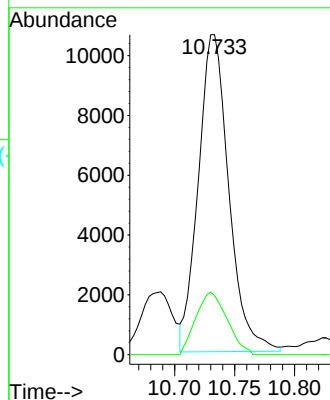
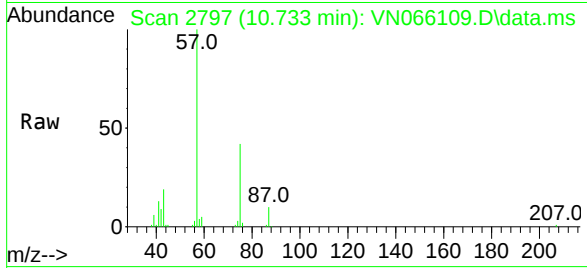




#59
2-Hexanone
Concen: 26.10 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.016 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

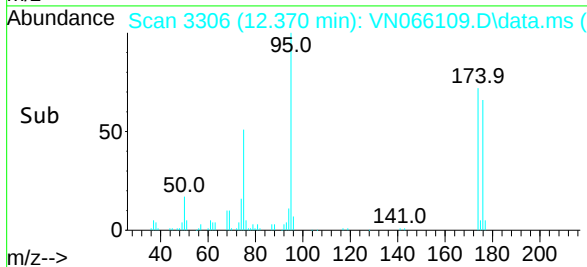
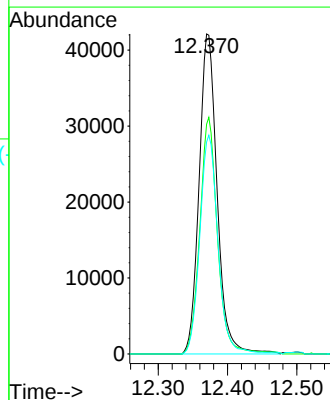
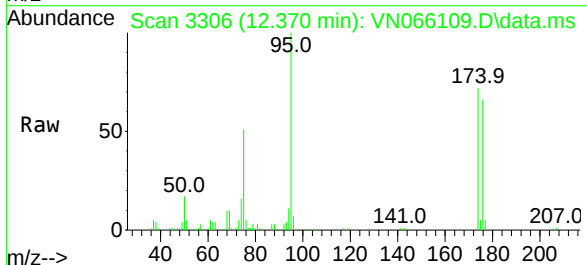
Instrument :
MSVOA_N
ClientSampled :

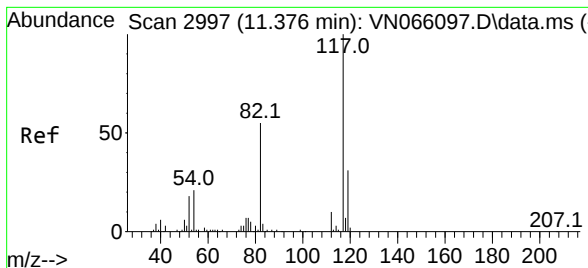
Tgt Ion: 43 Resp: 18745
Ion Ratio Lower Upper
43 100
58 20.2 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 56.76 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 95 Resp: 76285
Ion Ratio Lower Upper
95 100
174 71.9 0.0 169.0
176 68.7 0.0 162.4

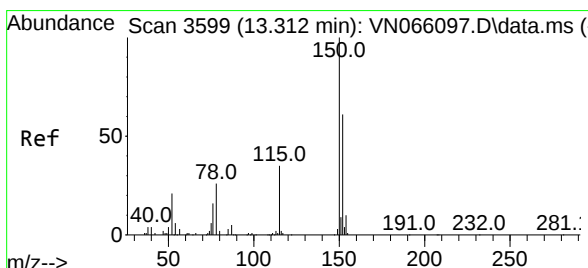
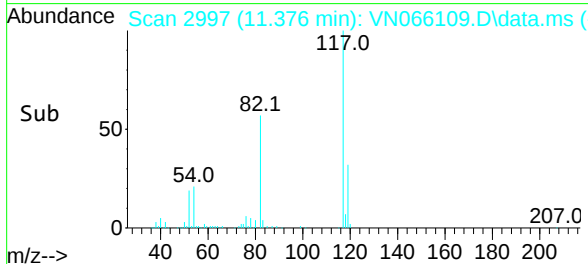
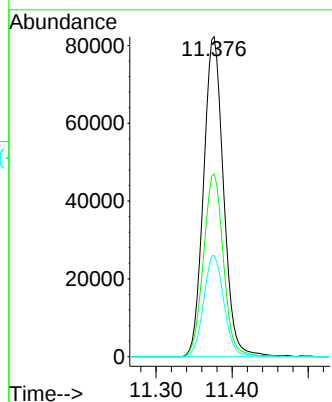
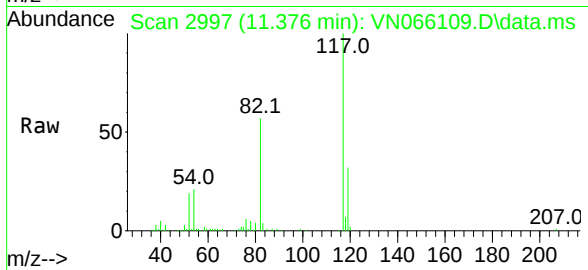




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

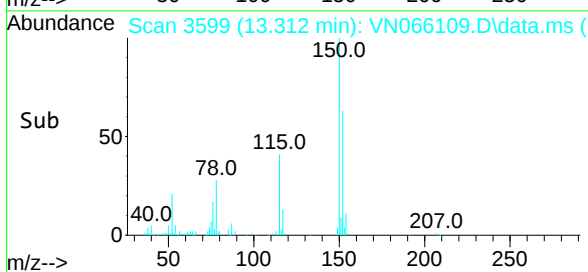
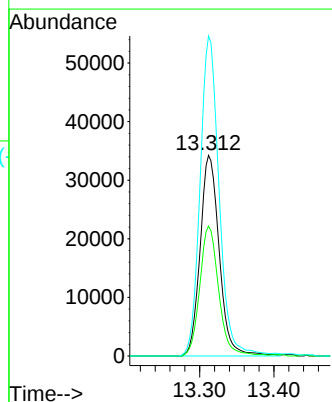
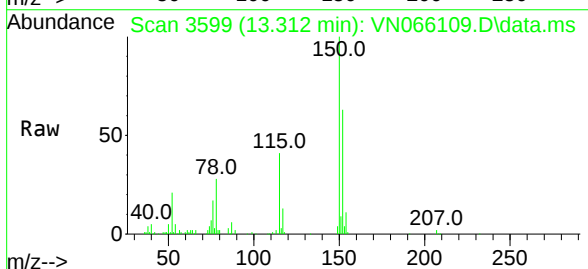
Instrument :
MSVOA_N
ClientSampled :

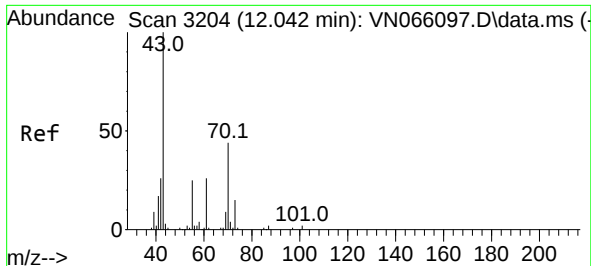
Tgt Ion:117 Resp: 149799
Ion Ratio Lower Upper
117 100
82 57.1 43.7 65.5
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

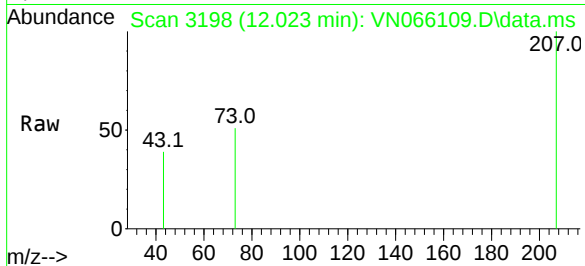
Tgt Ion:152 Resp: 61332
Ion Ratio Lower Upper
152 100
115 63.6 28.5 85.6
150 158.2 0.0 347.6



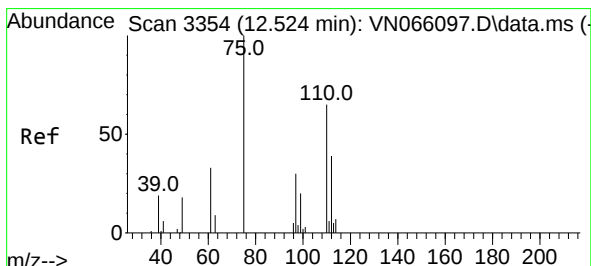
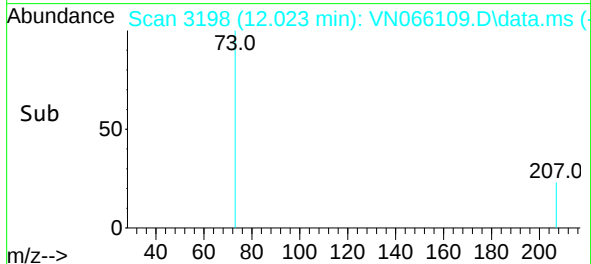
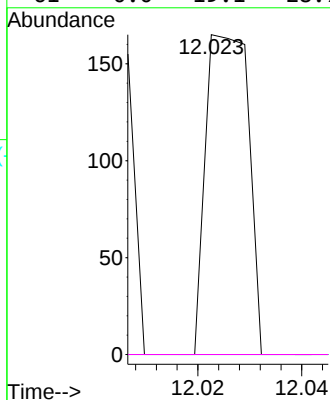


#74
N-amy1 acetate
Concen: 3.25 ug/l
RT: 12.023 min Scan# 3198
Delta R.T. -0.019 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Instrument :
MSVOA_N
ClientSampled :

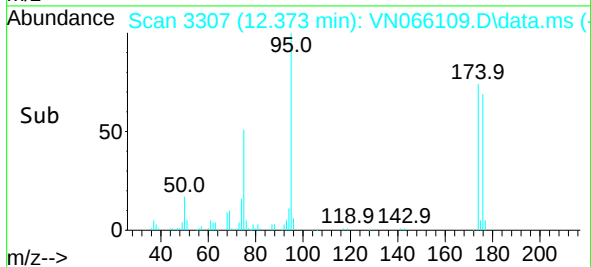
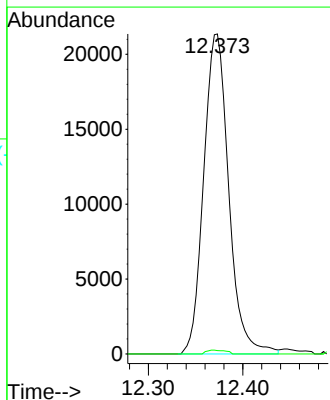
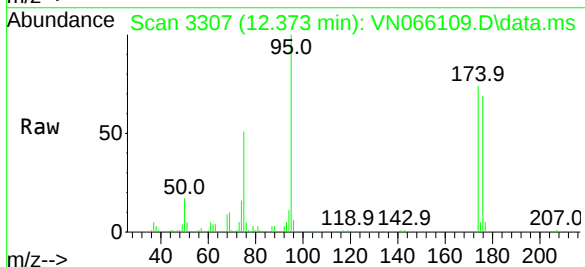


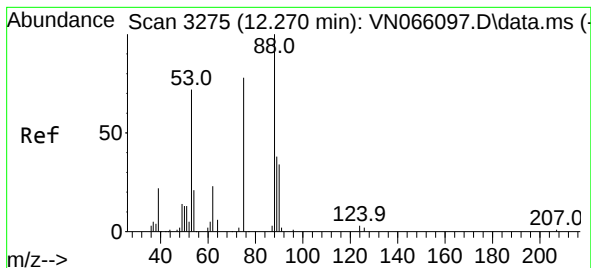
Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 29.02 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

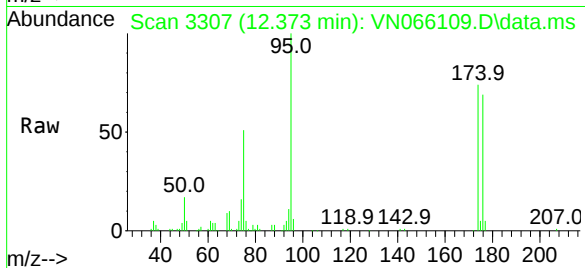
Tgt Ion: 75 Resp: 39297
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



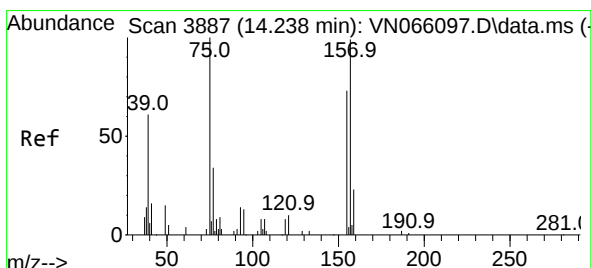
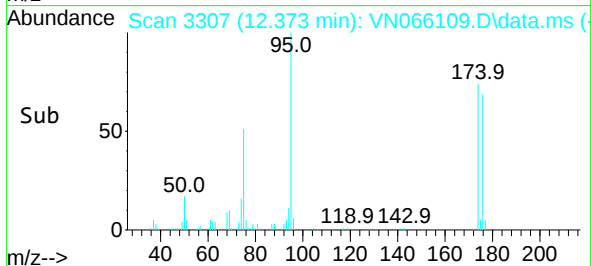
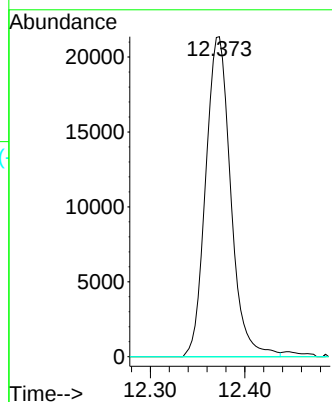


#81
trans-1,4-Dichloro-2-butene
Concen: 85.38 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 75 Resp: 39297
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: Below Cal
RT: 14.244 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VN066109.D
Acq: 2 Mar 2021 19:26

Tgt Ion: 75 Resp: 64
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

