

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031721\
 Data File : VN066238.D
 Acq On : 17 Mar 2021 16:47
 Operator : JC/MD
 Sample : M1687-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 18 04:46:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

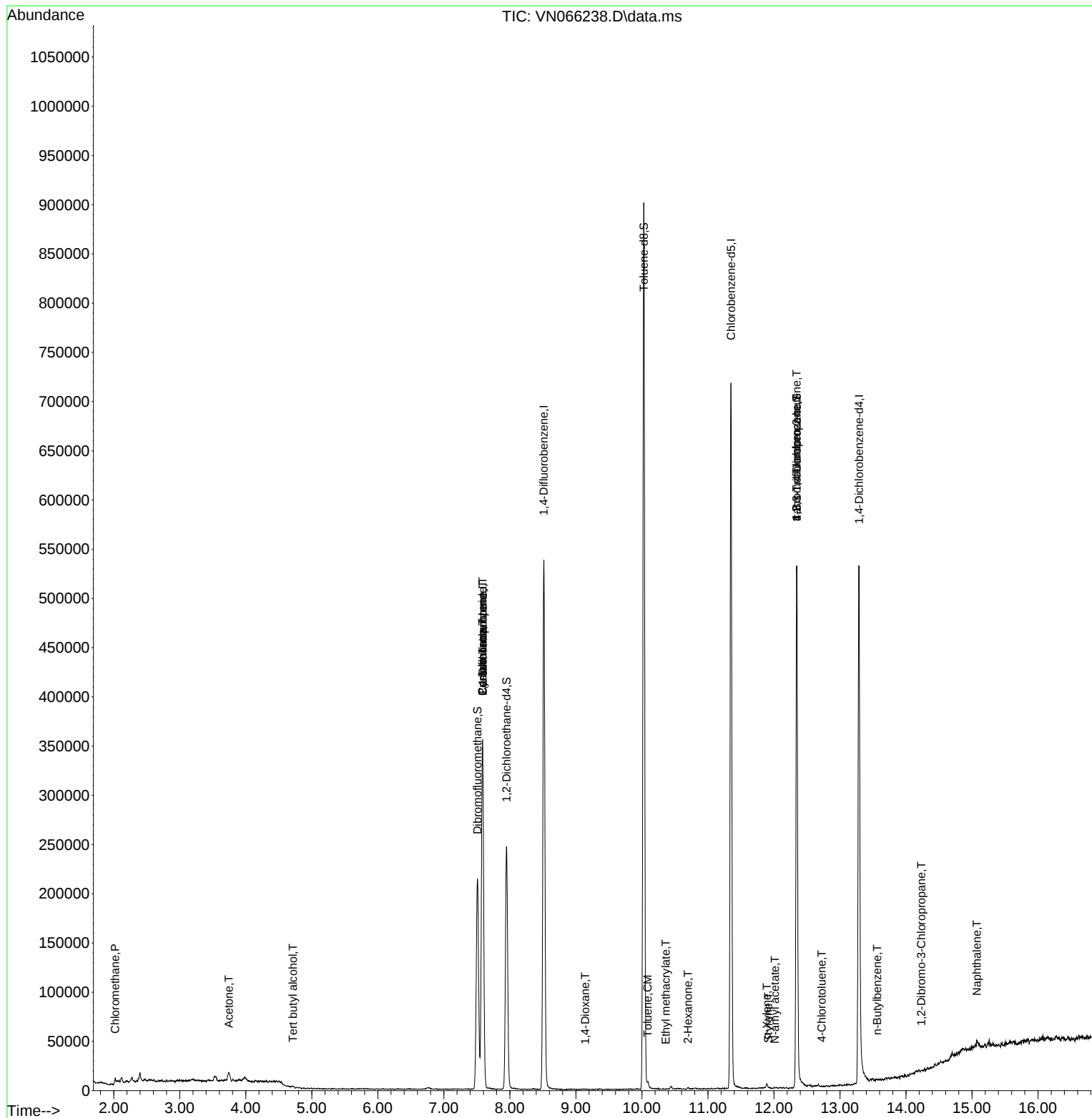
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.587	168	326490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	487919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	411549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	165567	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	207143	44.04	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.08%
35) Dibromofluoromethane	7.509	113	165534	53.18	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.36%
50) Toluene-d8	10.028	98	625836	52.00	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.00%
62) 4-Bromofluorobenzene	12.345	95	184230	42.47	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.94%
Target Compounds						
					Qvalue	
3) Chloromethane	2.022	50	2819	0.24	ug/l	94
11) Tert butyl alcohol	4.715	59	1931	2.40	ug/l #	81
13) Acrolein	3.535	56	4387	Below Cal	#	78
16) Acetone	3.741	43	11705	5.18	ug/l	90
31) Cyclohexane	7.584	56	5285	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	20706	4.19	ug/l #	50
38) Carbon Tetrachloride	7.587	117	25882	5.84	ug/l #	19
49) 1,4-Dioxane	9.143	88	25	0.45	ug/l #	1
52) Toluene	10.089	92	2242	0.26	ug/l	84
56) Ethyl methacrylate	10.360	69	27	2.16	ug/l #	1
59) 2-Hexanone	10.698	43	1187	1.56	ug/l #	57
69) o-Xylene	11.892	106	1151	0.22	ug/l	97
70) Styrene	11.913	104	89	2.16	ug/l #	24
74) N-amyl acetate	12.015	43	25	2.16	ug/l #	49
76) 1,2,3-Trichloropropane	12.345	75	90287	21.12	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	90287	63.19	ug/l #	11
82) 4-Chlorotoluene	12.723	91	230	0.49	ug/l #	43
89) n-Butylbenzene	13.562	91	220	2.26	ug/l #	38
92) 1,2-Dibromo-3-Chloropr...	14.233	75	243	1.10	ug/l #	8
95) Naphthalene	15.072	128	5504	0.57	ug/l #	89

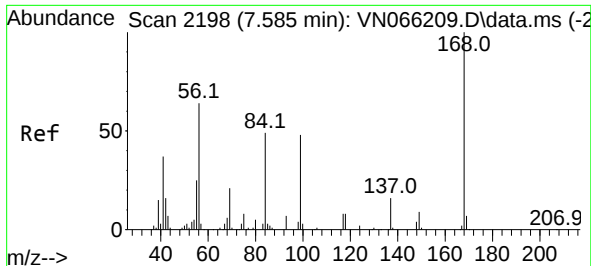
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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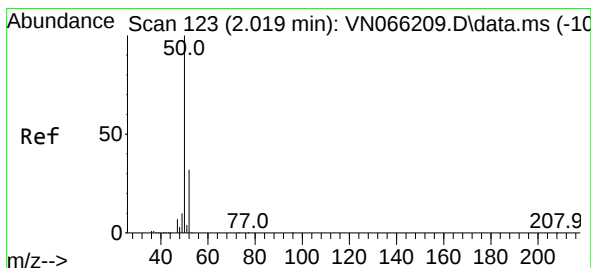
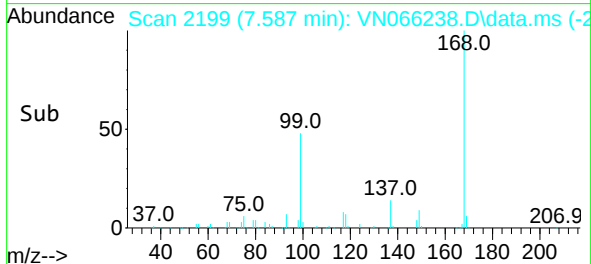
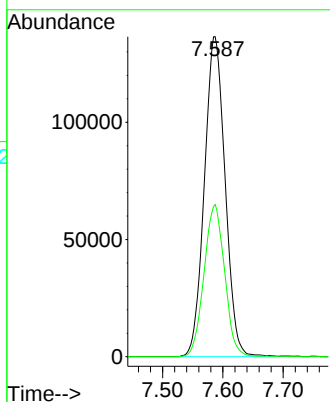
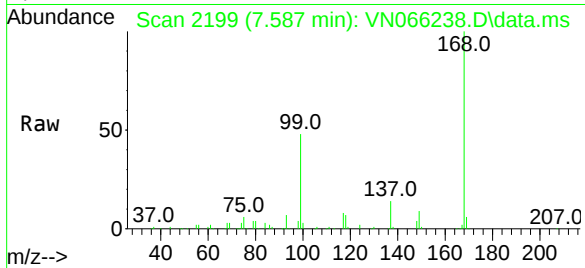




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

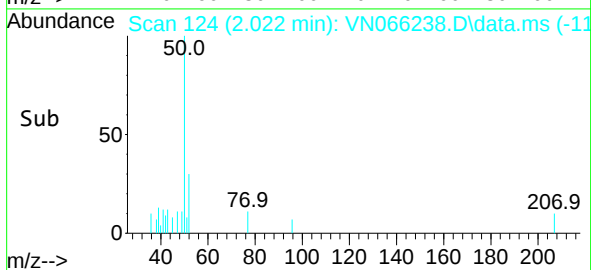
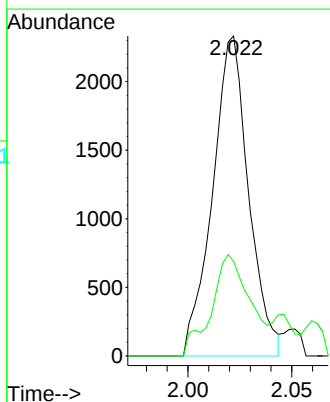
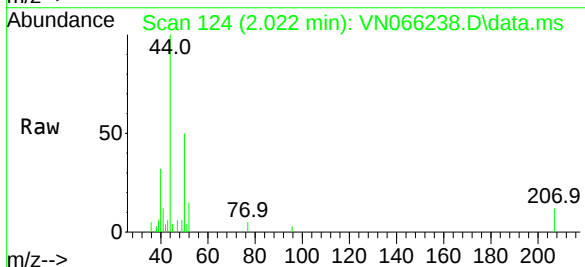
Instrument :
MSVOA_N
ClientSampled :

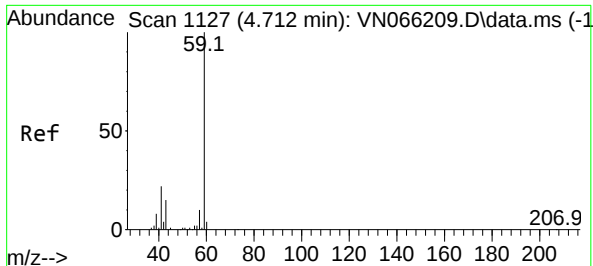
Tgt Ion:168 Resp: 326490
Ion Ratio Lower Upper
168 100
99 47.6 45.4 68.0



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.022 min Scan# 124
Delta R.T. 0.003 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion: 50 Resp: 2819
Ion Ratio Lower Upper
50 100
52 29.7 26.2 39.4



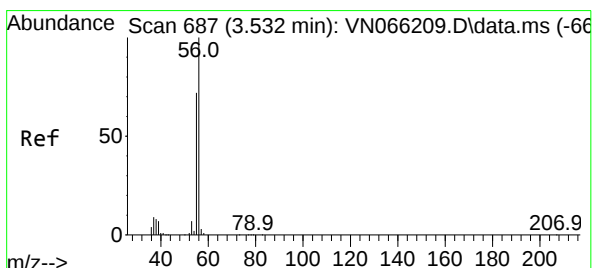
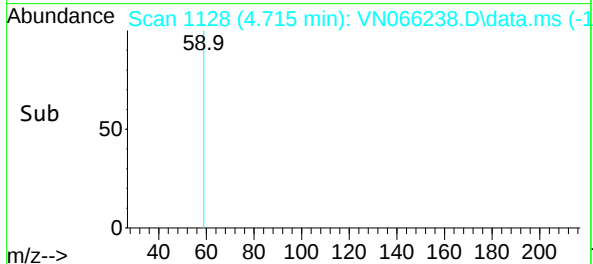
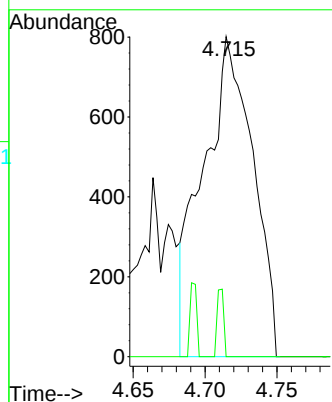
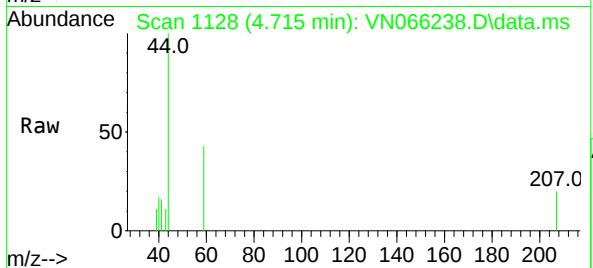


#11

Tert butyl alcohol
Concen: 2.40 ug/l
RT: 4.715 min Scan# 1128
Delta R.T. 0.003 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Instrument :
MSVOA_N
ClientSampled :

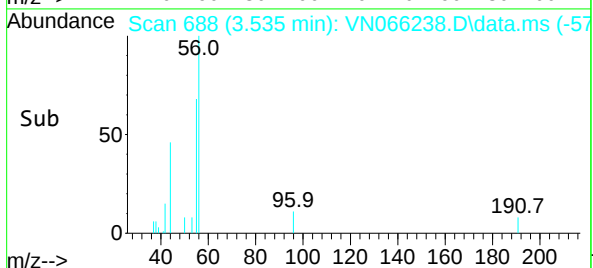
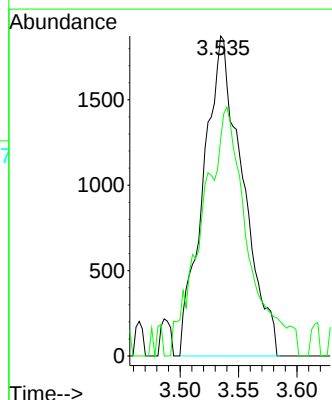
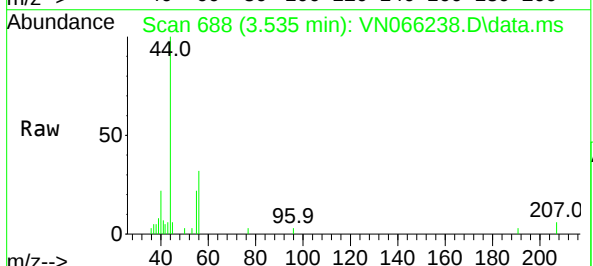
Tgt Ion: 59 Resp: 1931
Ion Ratio Lower Upper
59 100
57 2.8 8.0 12.0#

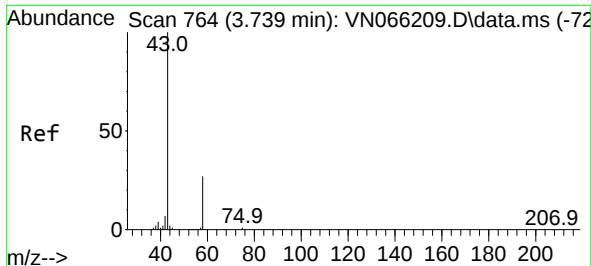


#13

Acrolein
Concen: Below Cal
RT: 3.535 min Scan# 688
Delta R.T. 0.003 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion: 56 Resp: 4387
Ion Ratio Lower Upper
56 100
55 90.5 58.0 87.0#

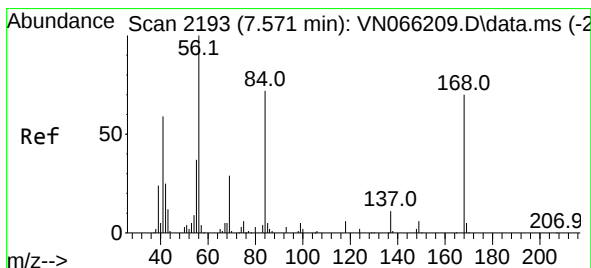
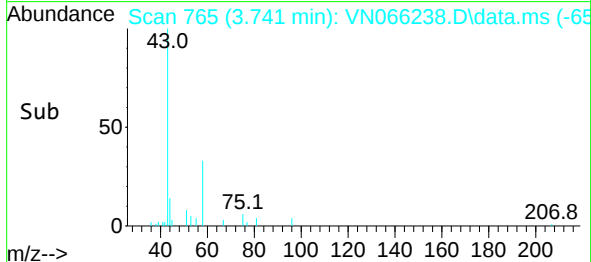
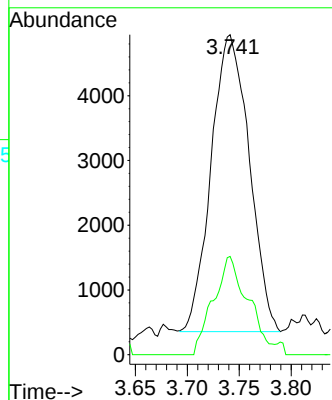
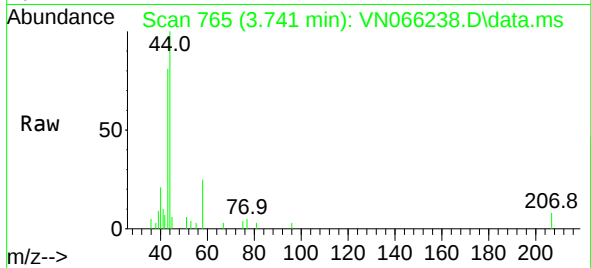




#16
Acetone
Concen: 5.18 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

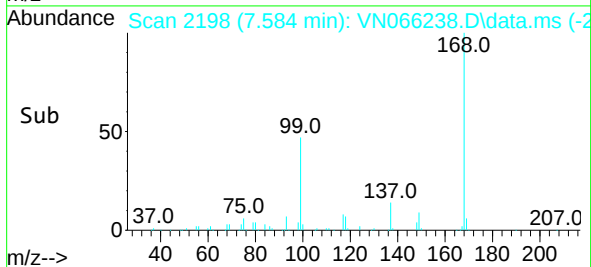
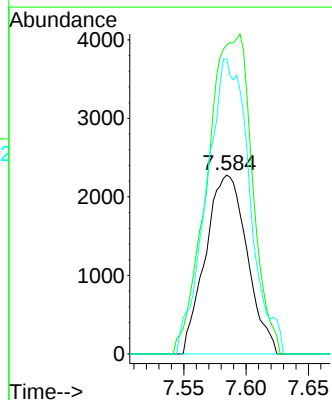
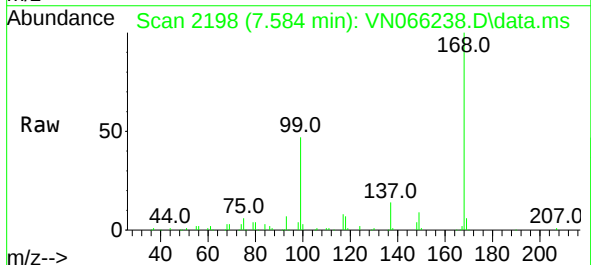
Instrument :
MSVOA_N
ClientSampled :

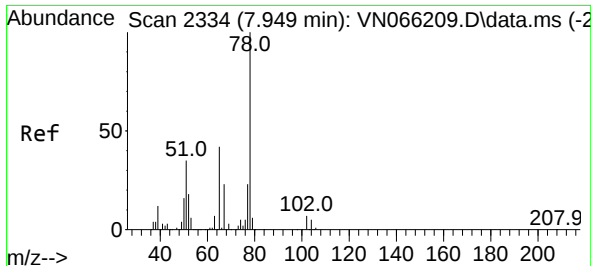
Tgt Ion: 43 Resp: 11705
Ion Ratio Lower Upper
43 100
58 33.1 22.3 33.5



#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.013 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion: 56 Resp: 5285
Ion Ratio Lower Upper
56 100
69 172.8 23.4 35.0#
84 153.3 57.8 86.6#

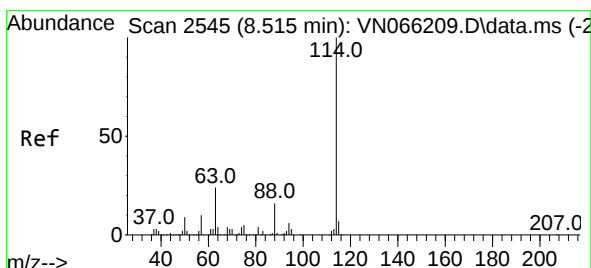
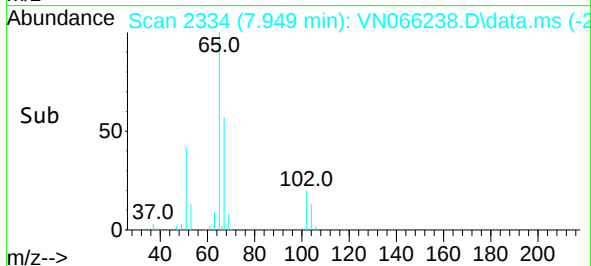
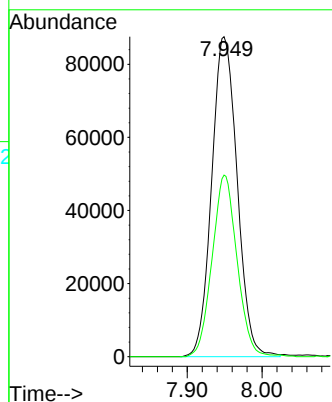
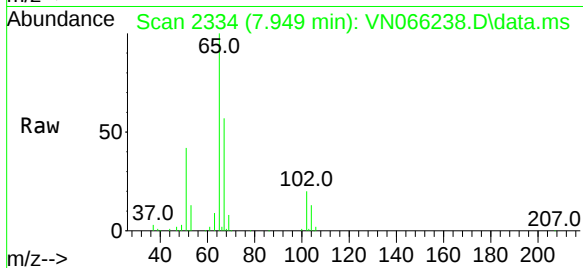




#33
 1,2-Dichloroethane-d4
 Concen: 44.04 ug/l
 RT: 7.949 min Scan# 2334
 Delta R.T. 0.000 min
 Lab File: VN066238.D
 Acq: 17 Mar 2021 16:47

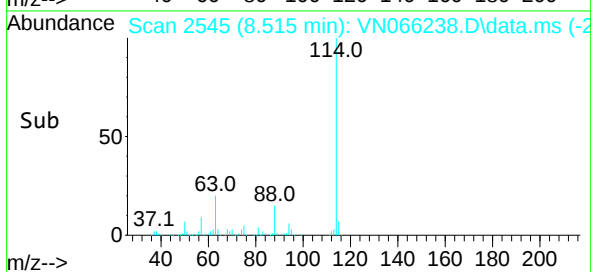
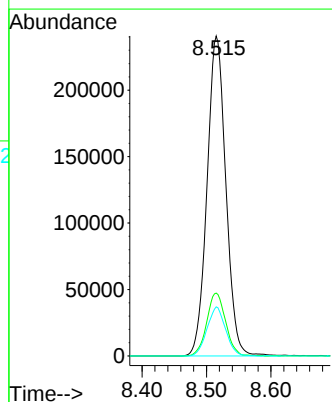
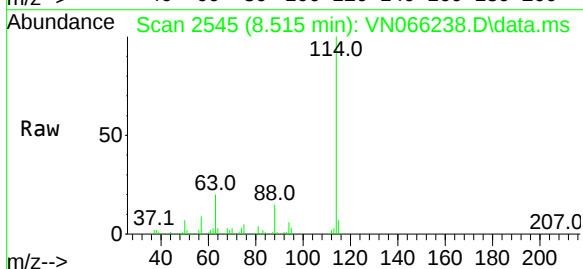
Instrument :
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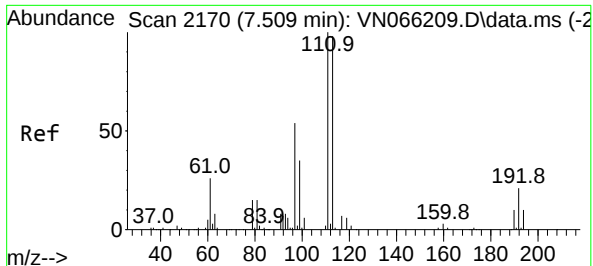
Tgt Ion: 65 Resp: 207143
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2545
 Delta R.T. 0.000 min
 Lab File: VN066238.D
 Acq: 17 Mar 2021 16:47

Tgt Ion: 114 Resp: 487919
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 49.2
 88 15.4 0.0 33.8

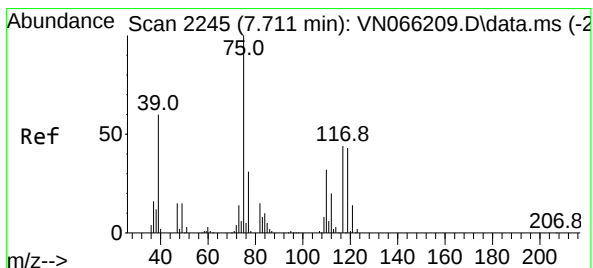
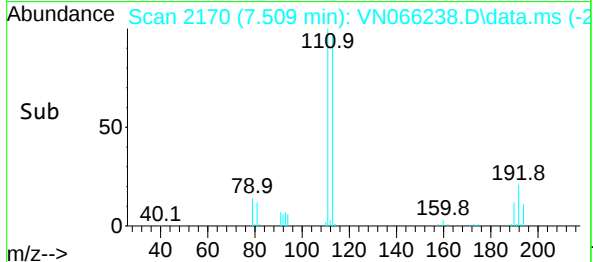
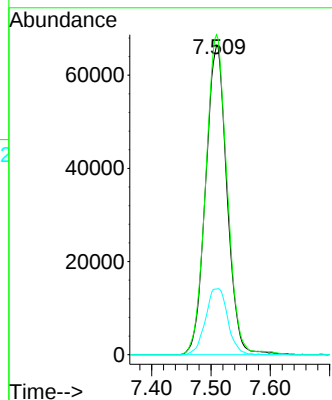
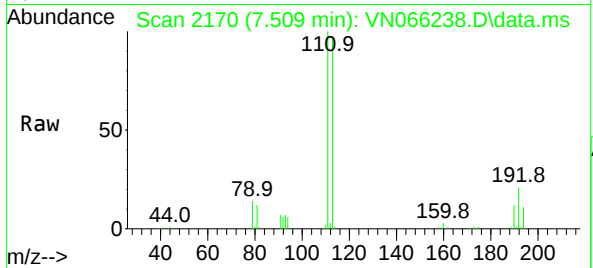




#35
Dibromofluoromethane
Concen: 53.18 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

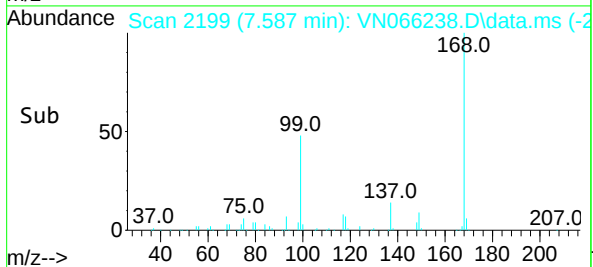
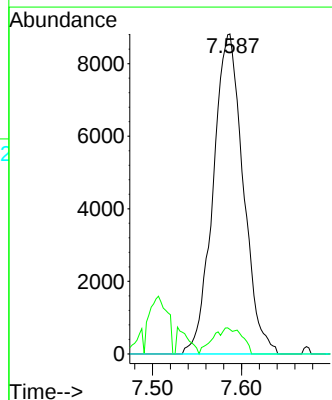
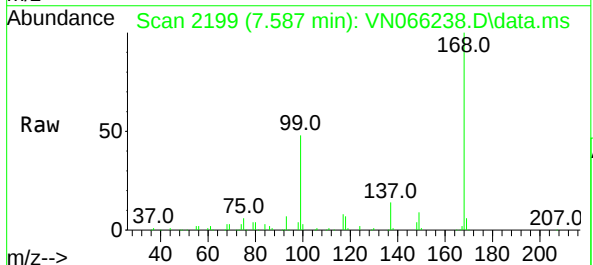
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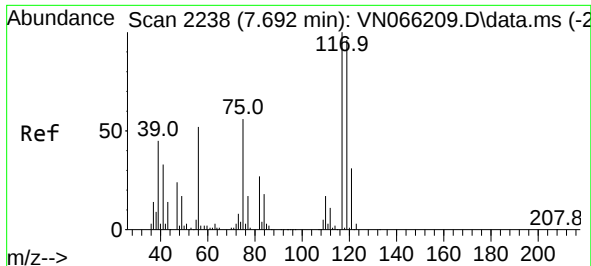
Tgt Ion:113 Resp: 165534
Ion Ratio Lower Upper
113 100
111 103.3 84.0 126.0
192 22.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.19 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.124 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

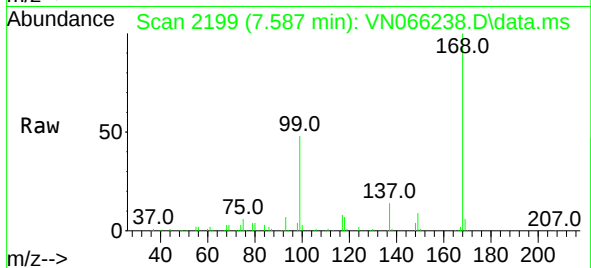
Tgt Ion: 75 Resp: 20706
Ion Ratio Lower Upper
75 100
110 7.9 16.0 48.0#
77 0.0 24.9 37.3#



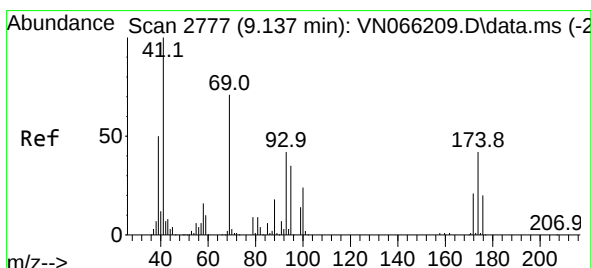
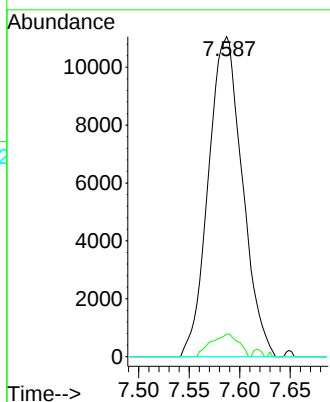
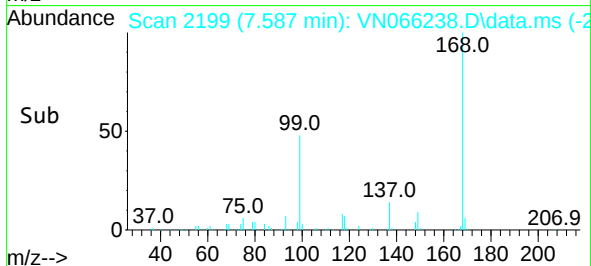


#38
Carbon Tetrachloride
Concen: 5.84 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.105 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

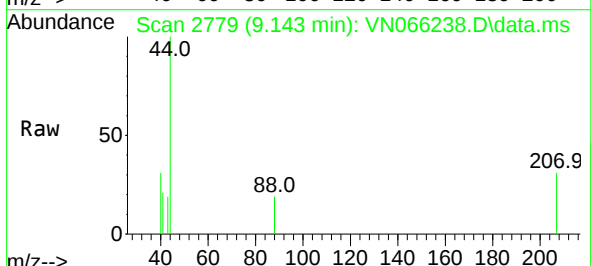
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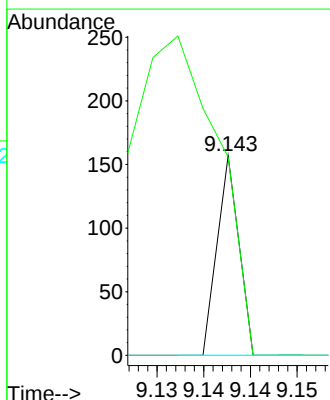
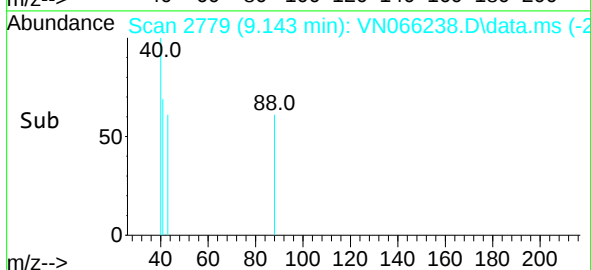
Tgt Ion:117 Resp: 25882
Ion Ratio Lower Upper
117 100
119 7.1 74.6 111.8#
121 0.0 23.9 35.9#

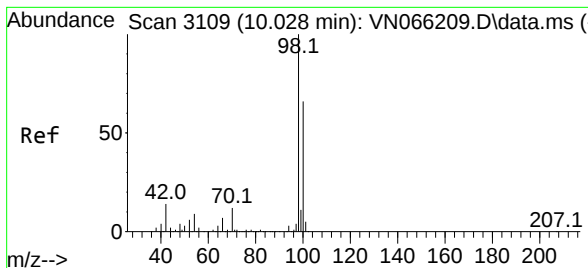


#49
1,4-Dioxane
Concen: 0.45 ug/l
RT: 9.143 min Scan# 2779
Delta R.T. 0.006 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47



Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 640.0 34.4 51.6#
58 0.0 67.3 100.9#

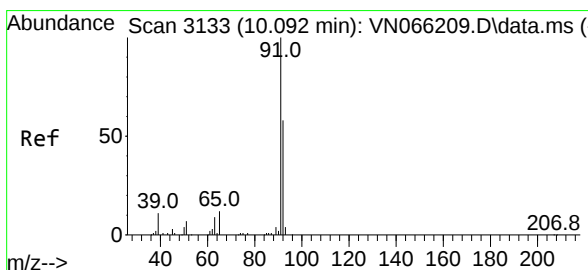
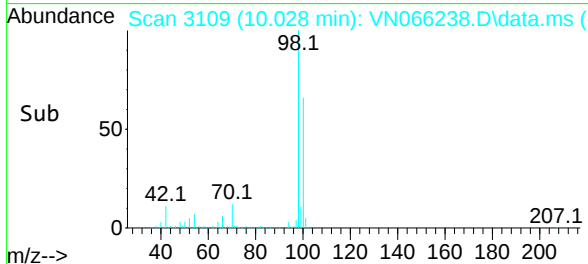
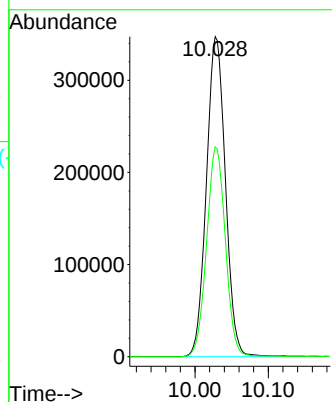
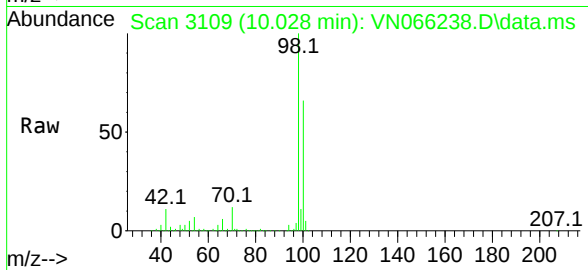




#50
Toluene-d8
Concen: 52.00 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

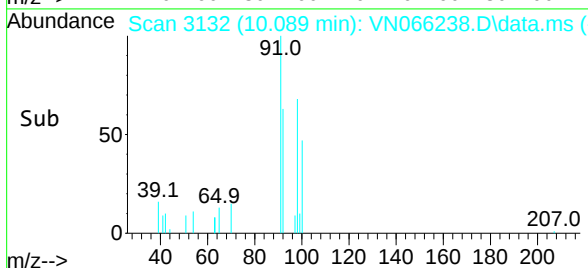
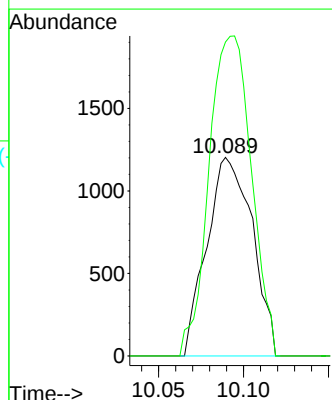
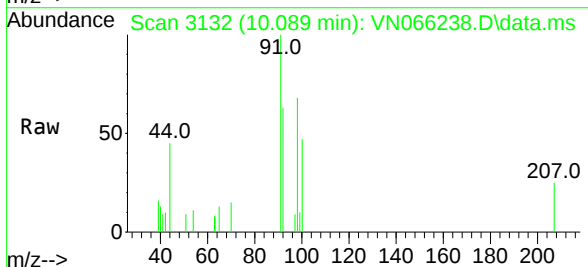
Instrument :
MSVOA_N
ClientSampled :

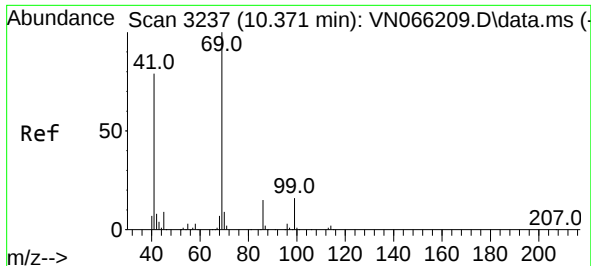
Tgt Ion: 98 Resp: 625836
Ion Ratio Lower Upper
98 100
100 64.8 51.0 76.6



#52
Toluene
Concen: 0.26 ug/l
RT: 10.089 min Scan# 3132
Delta R.T. -0.003 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

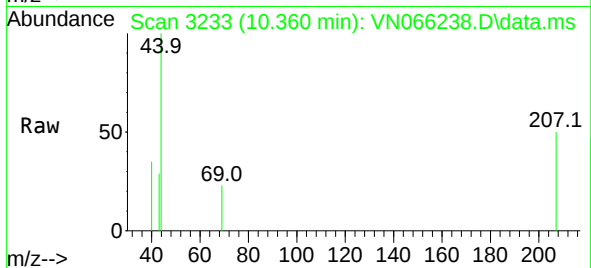
Tgt Ion: 92 Resp: 2242
Ion Ratio Lower Upper
92 100
91 150.4 137.5 206.3



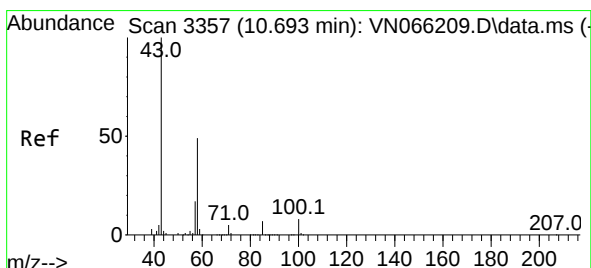
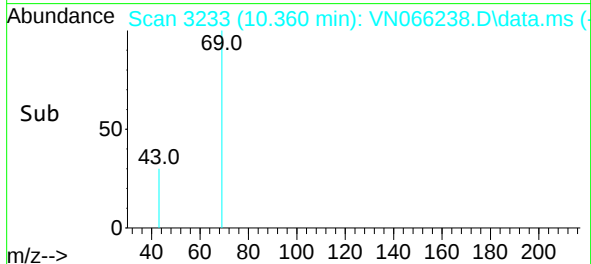
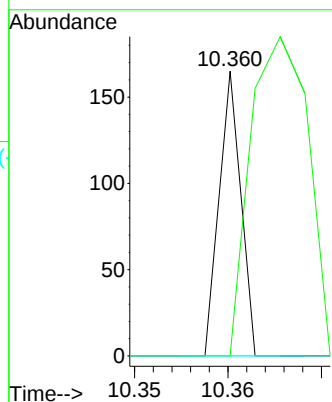


#56
Ethyl methacrylate
Concen: 2.16 ug/l
RT: 10.360 min Scan# 3233
Delta R.T. -0.011 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Instrument :
MSVOA_N
ClientSampled :

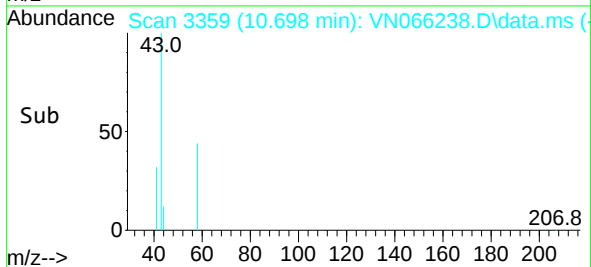
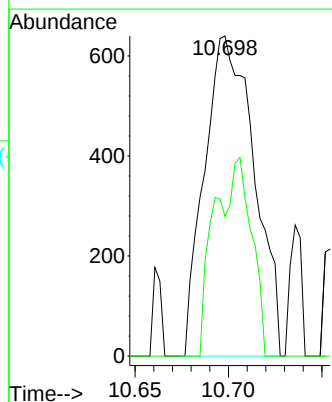
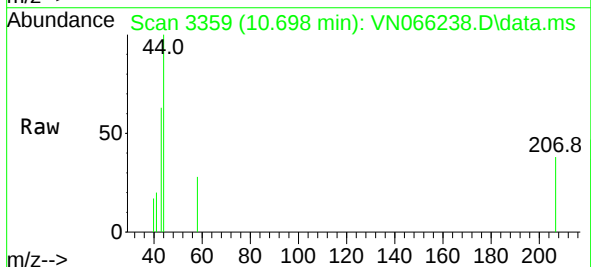


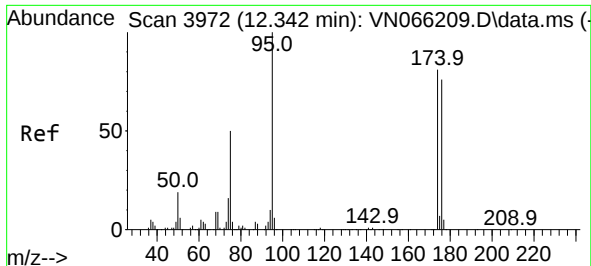
Tgt Ion: 69 Resp: 27
Ion Ratio Lower Upper
69 100
41 292.6 66.2 99.4#
39 0.0 31.5 47.3#



#59
2-Hexanone
Concen: 1.56 ug/l
RT: 10.698 min Scan# 3359
Delta R.T. 0.005 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion: 43 Resp: 1187
Ion Ratio Lower Upper
43 100
58 18.4 23.8 71.5#

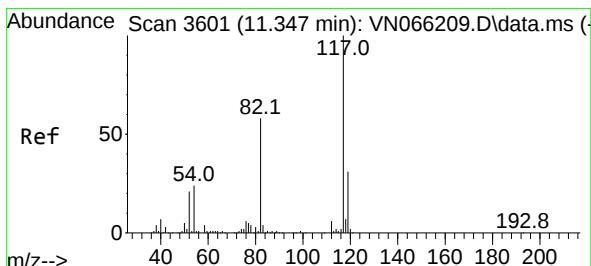
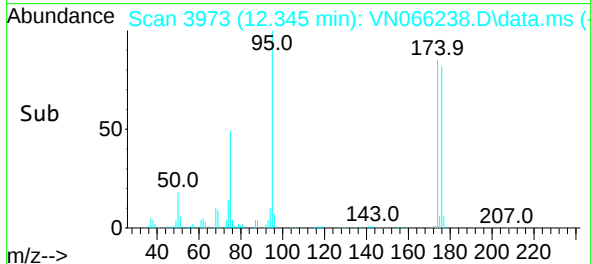
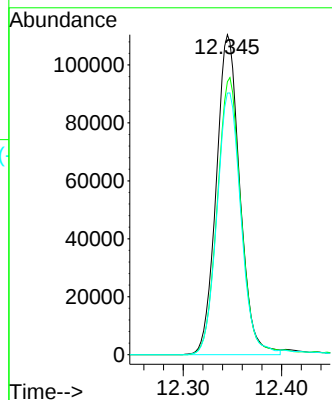
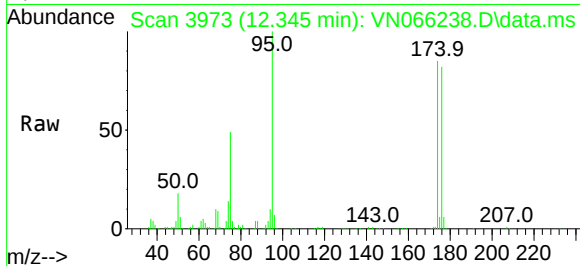




#62
4-Bromofluorobenzene
Concen: 42.47 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

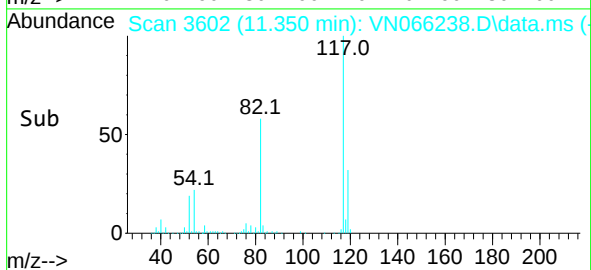
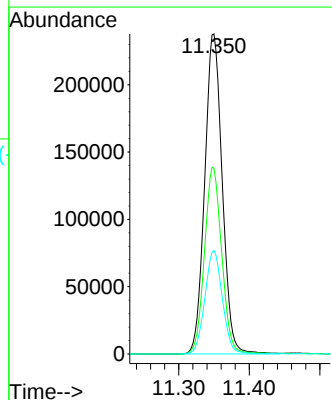
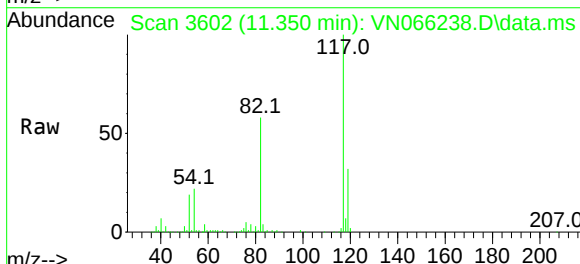
Instrument :
MSVOA_N
ClientSampleId :

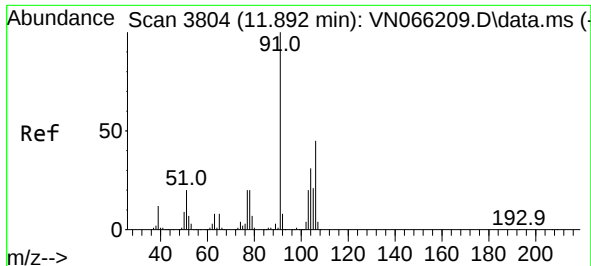
Tgt Ion: 95 Resp: 184230
Ion Ratio Lower Upper
95 100
174 86.9 0.0 162.4
176 83.2 0.0 156.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion: 117 Resp: 411549
Ion Ratio Lower Upper
117 100
82 58.0 49.0 73.6
119 32.3 25.7 38.5

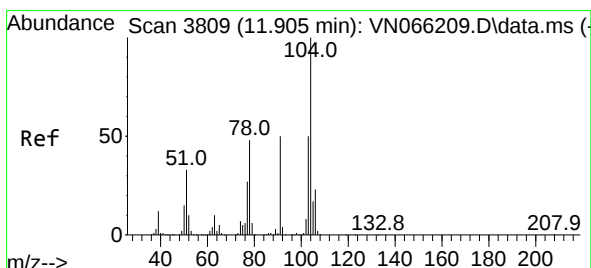
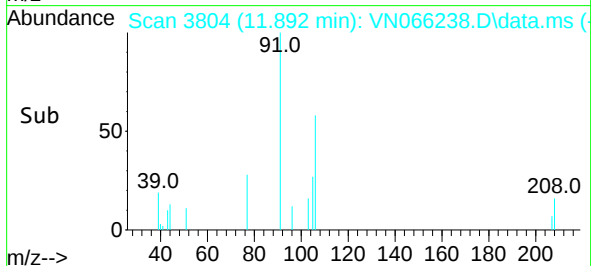
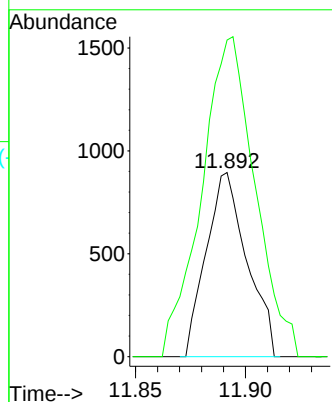
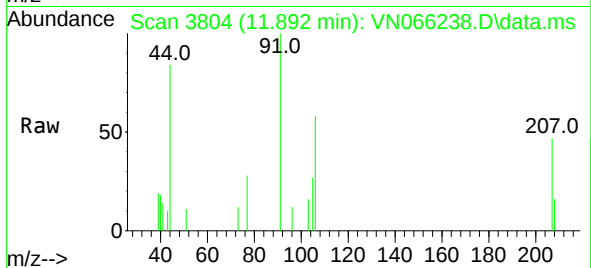




#69
o-Xylene
Concen: 0.22 ug/l
RT: 11.892 min Scan# 3804
Delta R.T. -0.000 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

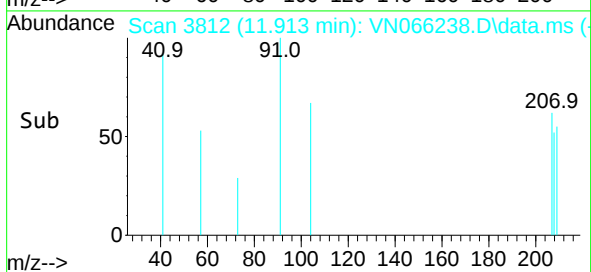
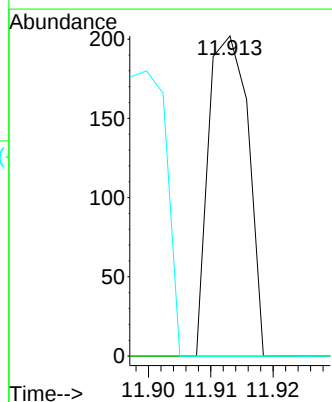
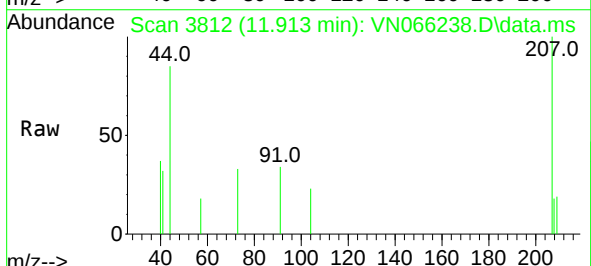
Instrument :
MSVOA_N
ClientSampled :

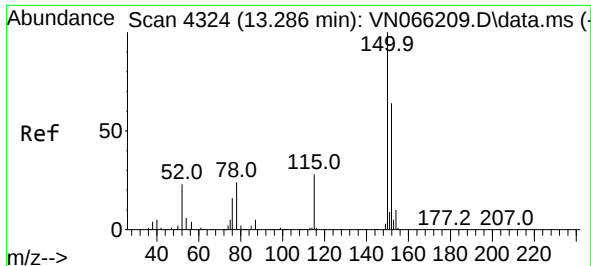
Tgt Ion:106 Resp: 1151
Ion Ratio Lower Upper
106 100
91 227.9 111.8 335.3



#70
Styrene
Concen: 2.16 ug/l
RT: 11.913 min Scan# 3812
Delta R.T. 0.008 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion:104 Resp: 89
Ion Ratio Lower Upper
104 100
78 0.0 43.8 65.6#
103 0.0 43.7 65.5#

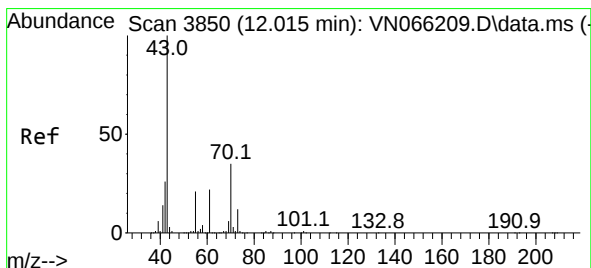
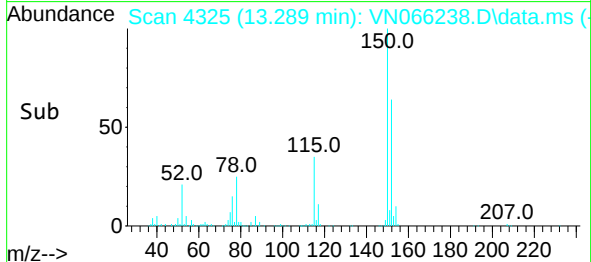
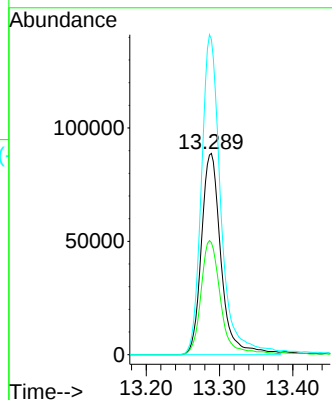
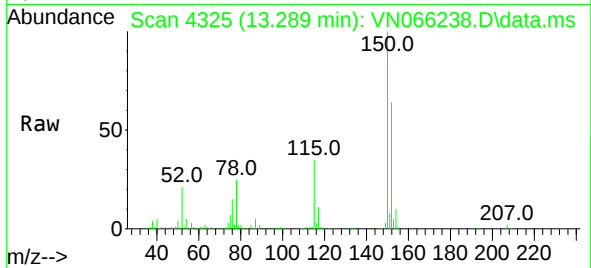




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

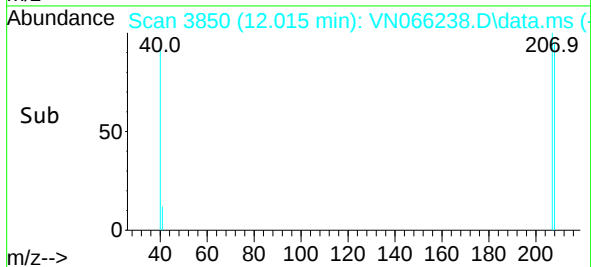
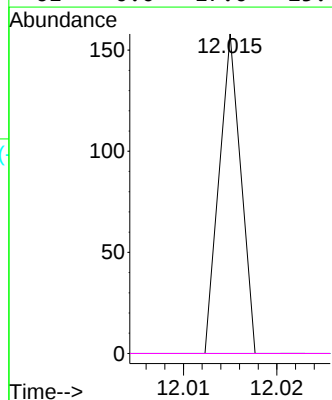
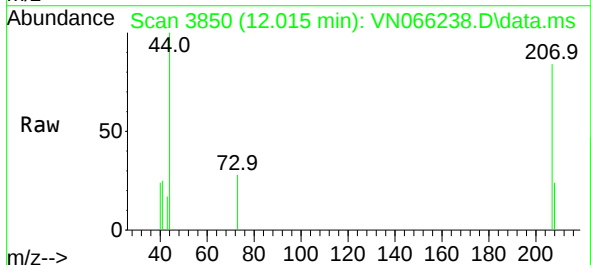
Instrument :
MSVOA_N
ClientSampleId :

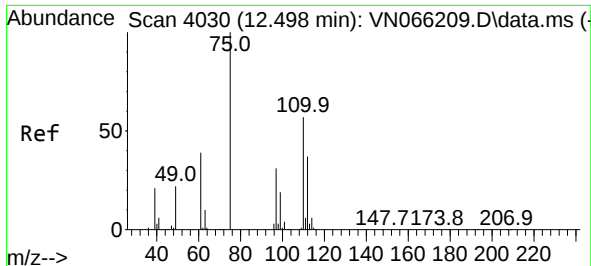
Tgt Ion:152 Resp: 165567
Ion Ratio Lower Upper
152 100
115 56.7 29.4 88.3
150 157.0 0.0 352.2



#74
N-ethyl acetate
Concen: 2.16 ug/l
RT: 12.015 min Scan# 3850
Delta R.T. -0.000 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
70 0.0 26.2 39.4#
55 0.0 17.2 25.8#
61 0.0 17.0 25.4#

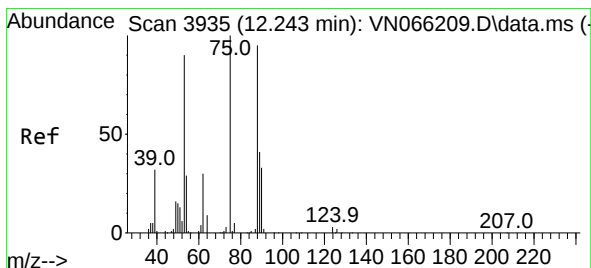
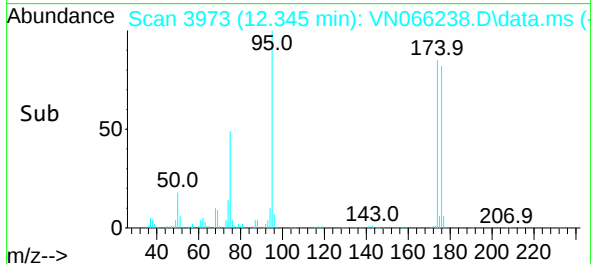
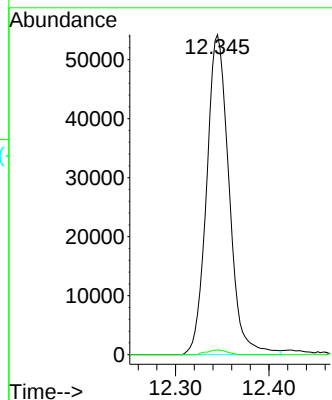
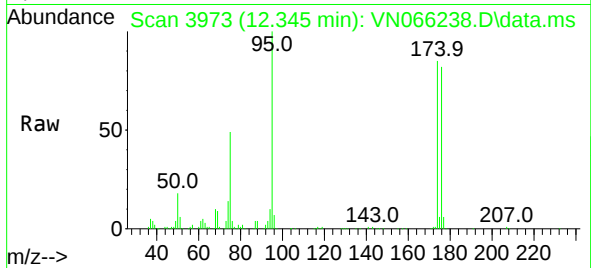




#76
1,2,3-Trichloropropane
Concen: 21.12 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

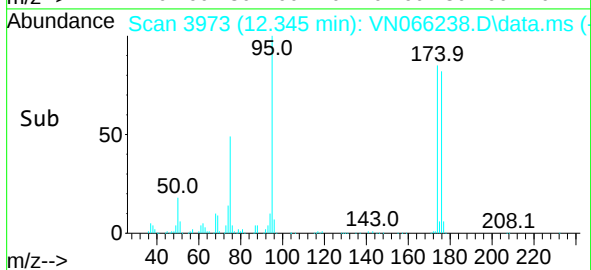
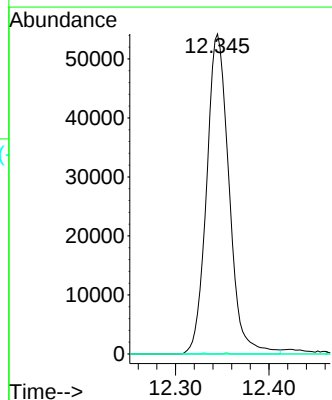
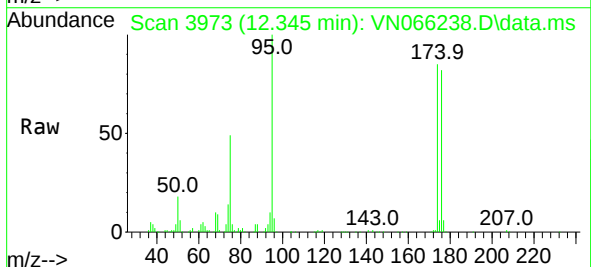
Instrument :
MSVOA_N
ClientSampled :

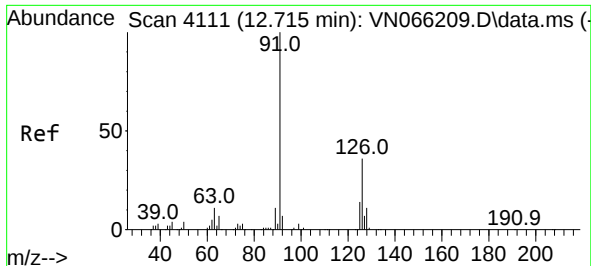
Tgt Ion: 75 Resp: 90287
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.19 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion: 75 Resp: 90287
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#

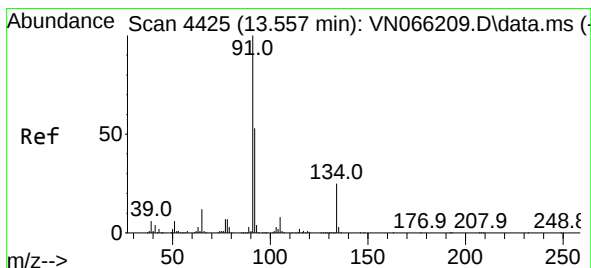
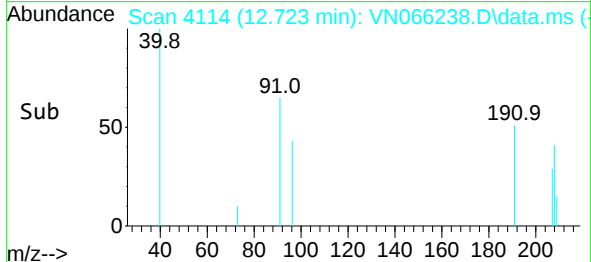
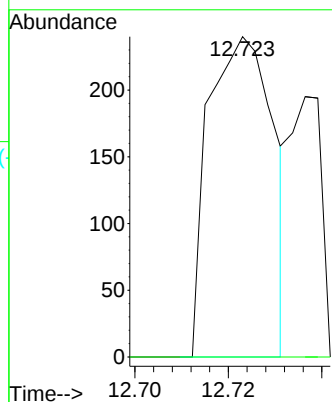
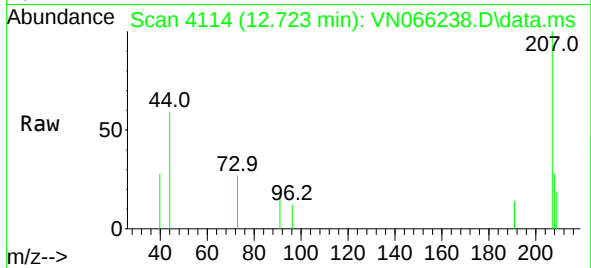




#82
4-Chlorotoluene
Concen: 0.49 ug/l
RT: 12.723 min Scan# 4114
Delta R.T. 0.008 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

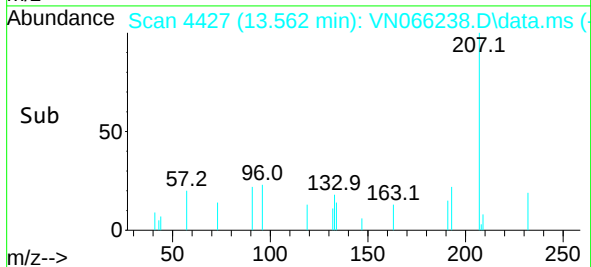
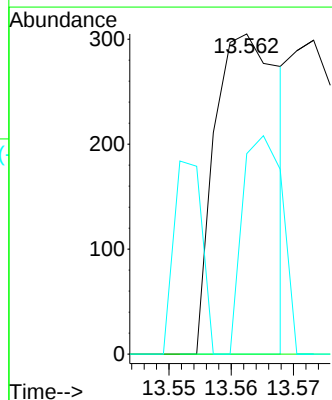
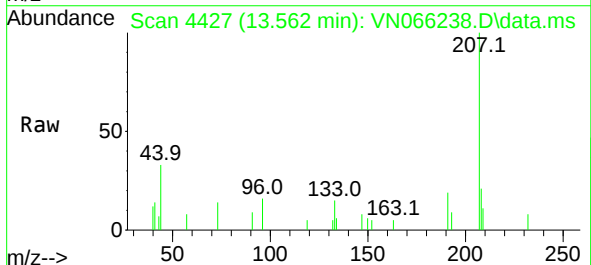
Instrument :
MSVOA_N
ClientSampled :

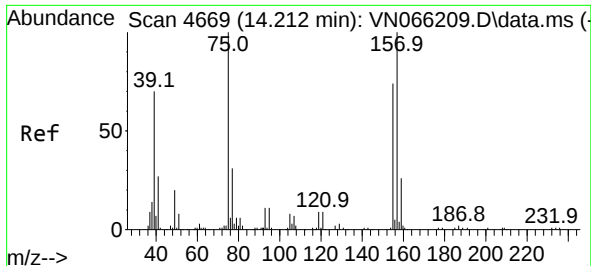
Tgt Ion: 91 Resp: 230
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#89
n-Butylbenzene
Concen: 2.26 ug/l
RT: 13.562 min Scan# 4427
Delta R.T. 0.005 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion: 91 Resp: 220
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 42.3 11.8 35.4#

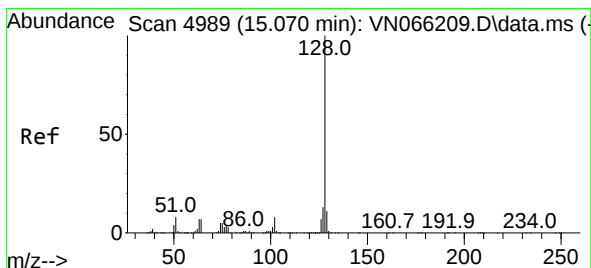
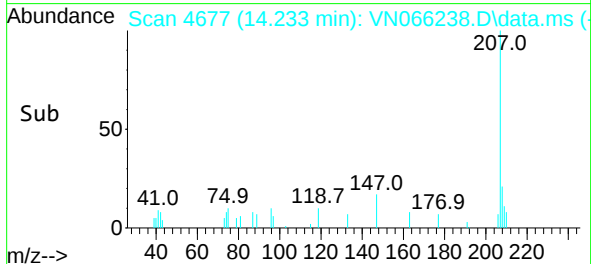
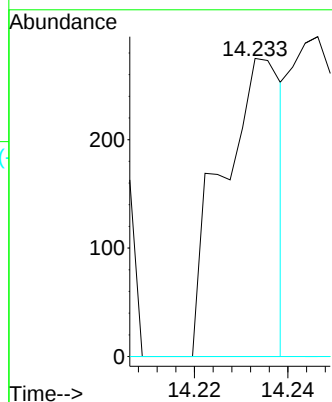
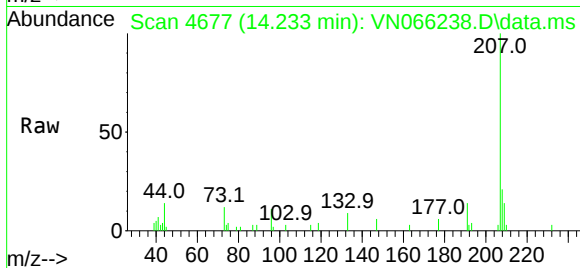




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.10 ug/l
RT: 14.233 min Scan# 4677
Delta R.T. 0.021 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 243
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#



#95
Naphthalene
Concen: 0.57 ug/l
RT: 15.072 min Scan# 4990
Delta R.T. 0.002 min
Lab File: VN066238.D
Acq: 17 Mar 2021 16:47

Tgt Ion: 128 Resp: 5504
Ion Ratio Lower Upper
128 100
127 5.9 10.3 15.5#
129 9.2 8.4 12.6

