

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031721\
 Data File : VN066240.D
 Acq On : 17 Mar 2021 17:31
 Operator : JC/MD
 Sample : M1687-26
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 18 04:46:39 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)

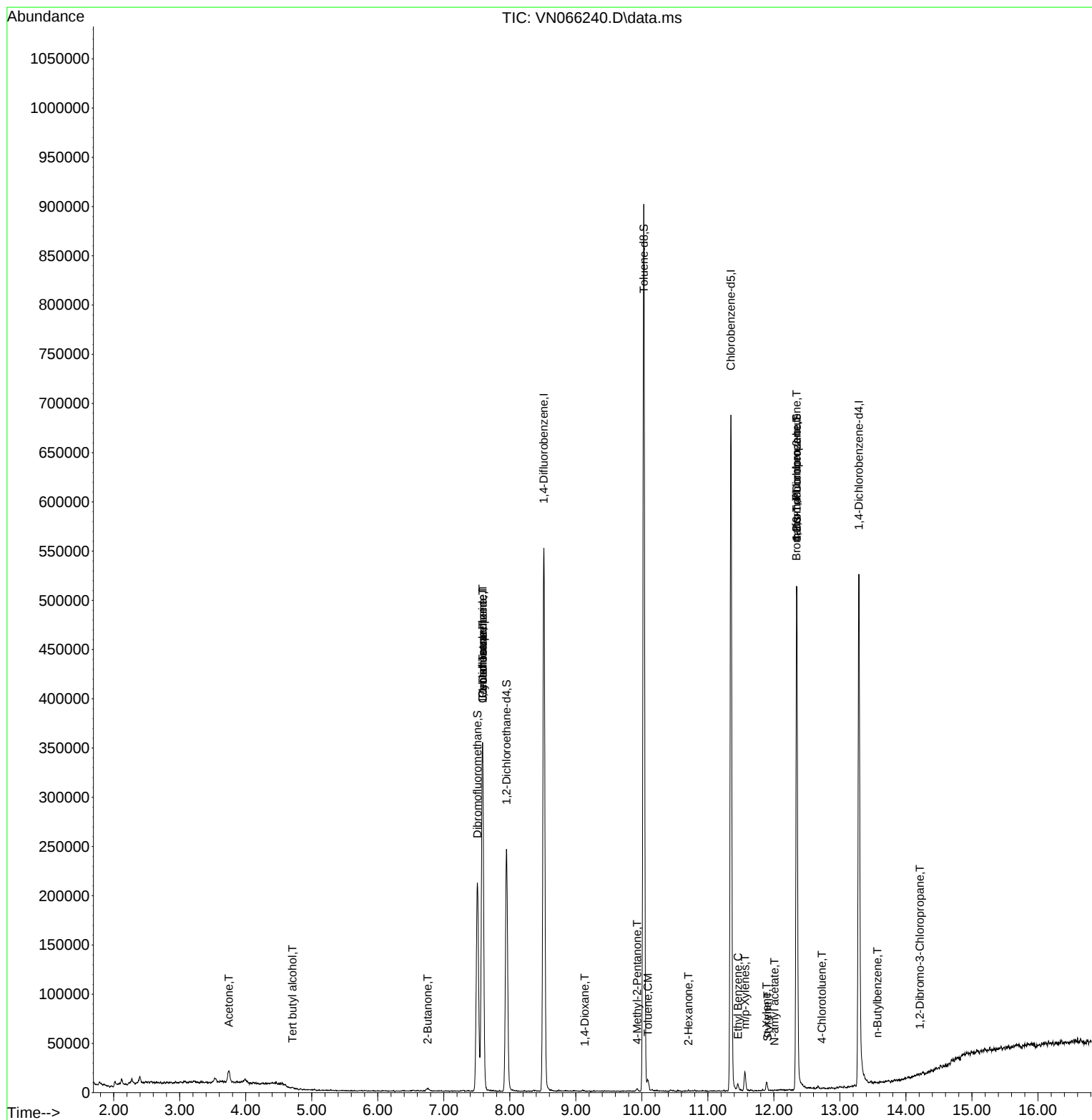
Internal Standards						
1) Pentafluorobenzene	7.587	168	320227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	482421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	413269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	161951	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	205943	44.64	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.28%		
35) Dibromofluoromethane	7.510	113	165495	53.77	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.54%		
50) Toluene-d8	10.028	98	617003	51.85	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.70%		
62) 4-Bromofluorobenzene	12.345	95	180579	42.10	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.20%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.707	59	1038	1.32	ug/l #	73
13) Acrolein	3.532	56	3861	Below Cal		83
16) Acetone	3.741	43	19147	8.64	ug/l	99
25) 2-Butanone	6.753	43	3177	0.92	ug/l #	89
31) Cyclohexane	7.587	56	5175	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.590	75	21090	4.32	ug/l #	46
38) Carbon Tetrachloride	7.590	117	27205	6.21	ug/l #	17
49) 1,4-Dioxane	9.135	88	24	0.43	ug/l #	63
51) 4-Methyl-2-Pentanone	9.929	43	2267	0.35	ug/l	93
52) Toluene	10.092	92	3699	0.44	ug/l	91
59) 2-Hexanone	10.704	43	274	1.39	ug/l	88
67) Ethyl Benzene	11.455	91	4378	0.30	ug/l	90
68) m/p-Xylenes	11.565	106	5596	1.03	ug/l	93
69) o-Xylene	11.887	106	2339	0.45	ug/l	89
70) Styrene	11.903	104	50	2.15	ug/l #	24
71) Bromoform	12.342	173	926	0.38	ug/l #	1
74) N-amyl acetate	12.007	43	133	2.18	ug/l #	49
76) 1,2,3-Trichloropropane	12.345	75	88404	21.14	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	88404	63.25	ug/l #	11
82) 4-Chlorotoluene	12.729	91	131	0.48	ug/l #	43
89) n-Butylbenzene	13.568	91	159	2.25	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.212	75	329	1.20	ug/l #	8

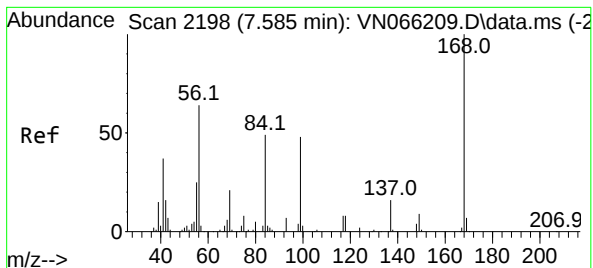
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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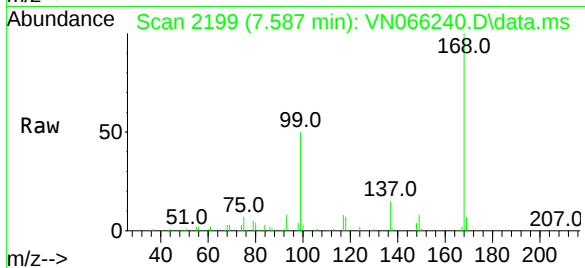
Quant Time: Mar 18 04:46:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
Quant Title : SW846 8260
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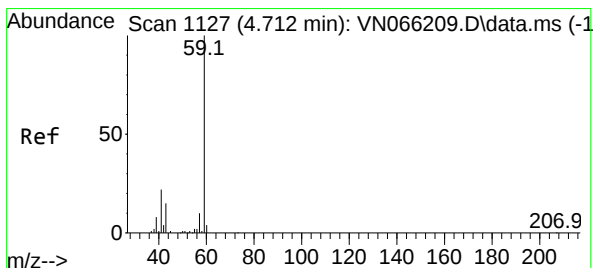
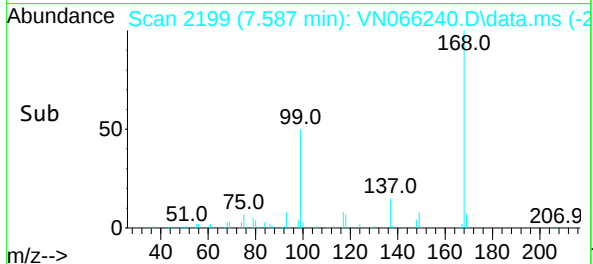
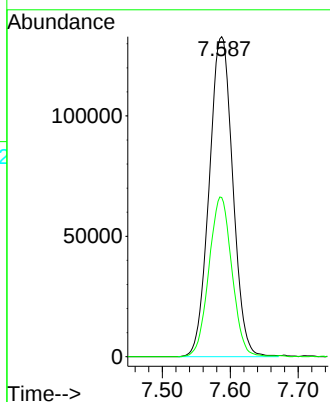


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Instrument :
MSVOA_N
ClientSampled :

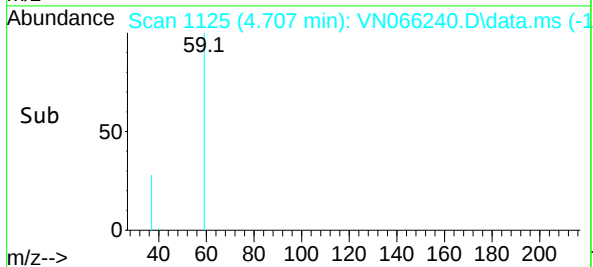
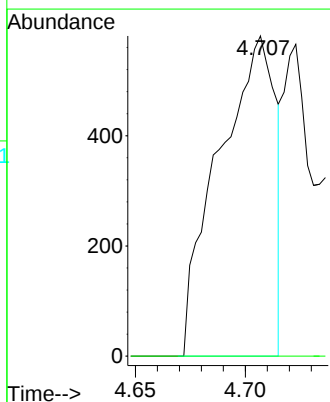
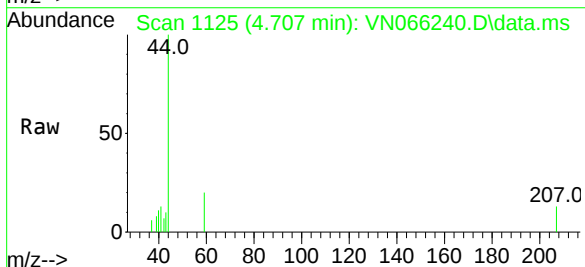


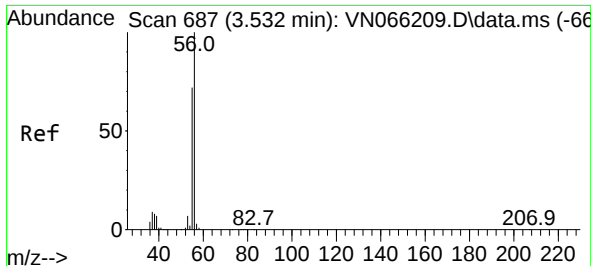
Tgt Ion:168 Resp: 320227
Ion Ratio Lower Upper
168 100
99 49.7 45.4 68.0



#11
Tert butyl alcohol
Concen: 1.32 ug/l
RT: 4.707 min Scan# 1125
Delta R.T. -0.005 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Tgt Ion: 59 Resp: 1038
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

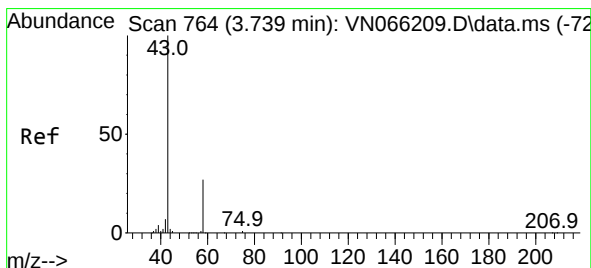
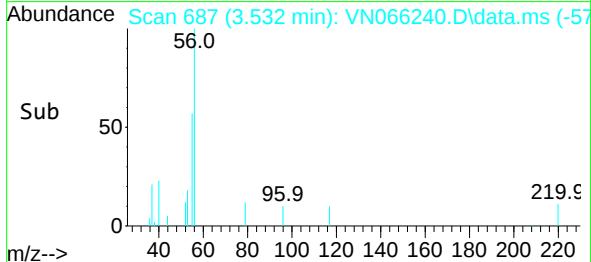
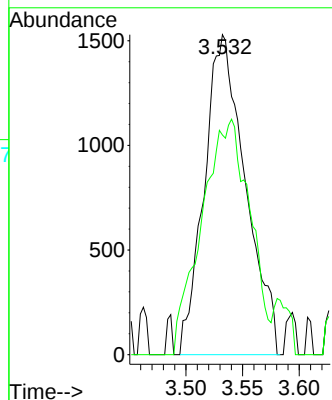
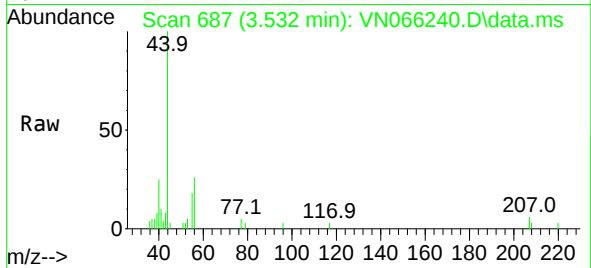




#13
Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. 0.000 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

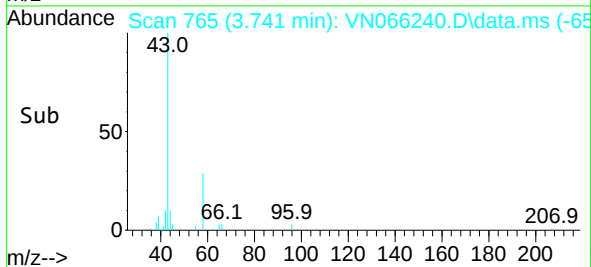
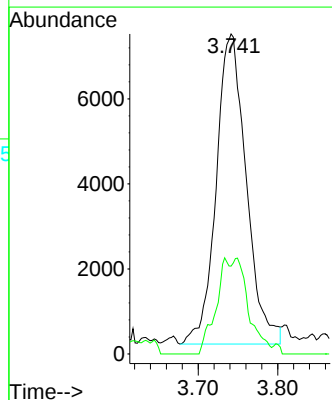
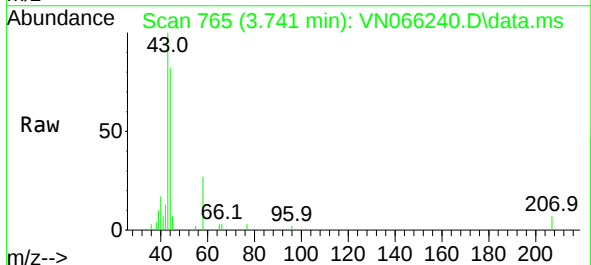
Instrument :
MSVOA_N
ClientSampled :

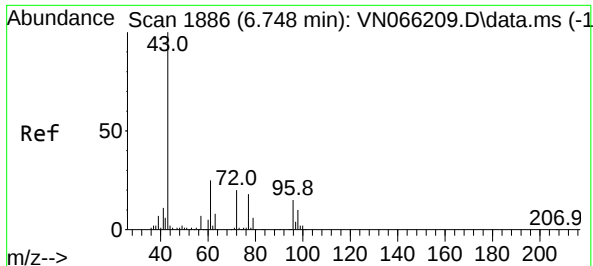
Tgt Ion: 56 Resp: 3861
Ion Ratio Lower Upper
56 100
55 86.5 58.0 87.0



#16
Acetone
Concen: 8.64 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Tgt Ion: 43 Resp: 19147
Ion Ratio Lower Upper
43 100
58 28.4 22.3 33.5

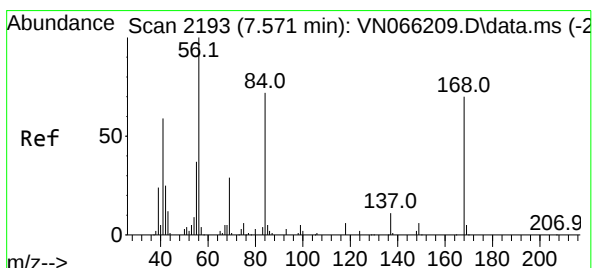
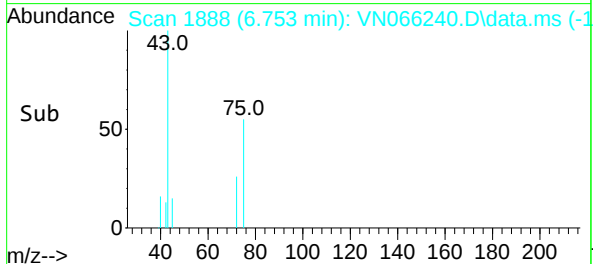
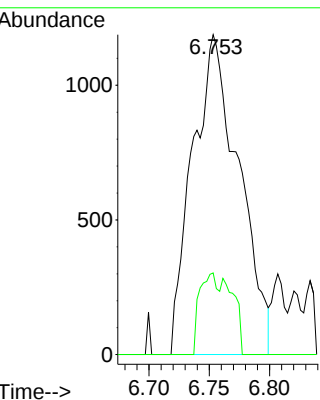
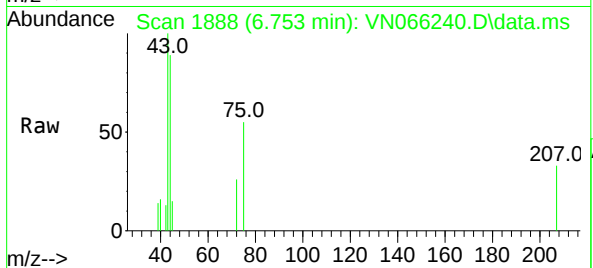




#25
2-Butanone
Concen: 0.92 ug/l
RT: 6.753 min Scan# 1888
Delta R.T. 0.005 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

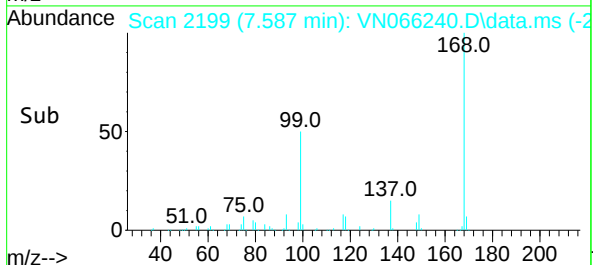
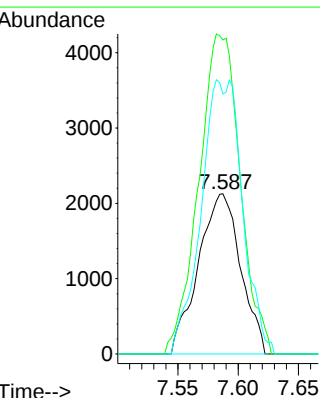
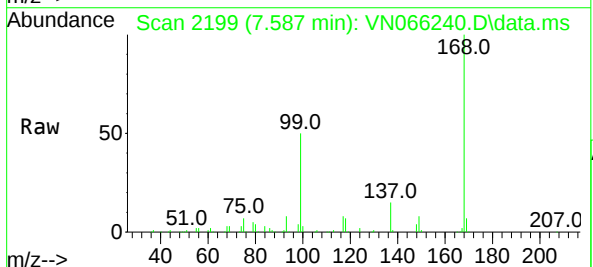
Instrument :
MSVOA_N
ClientSampled :

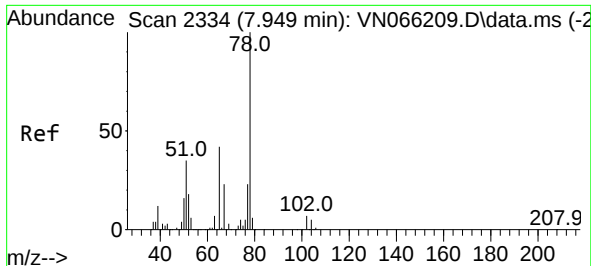
Tgt Ion: 43 Resp: 3177
Ion Ratio Lower Upper
43 100
72 25.5 16.2 24.2#



#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.016 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Tgt Ion: 56 Resp: 5175
Ion Ratio Lower Upper
56 100
69 188.6 23.4 35.0#
84 162.4 57.8 86.6#

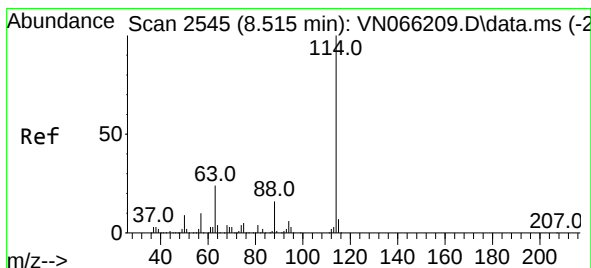
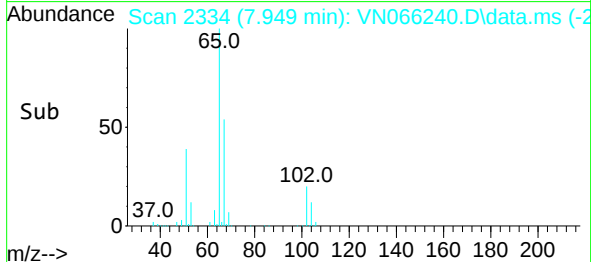
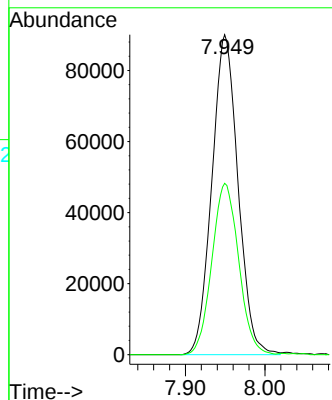
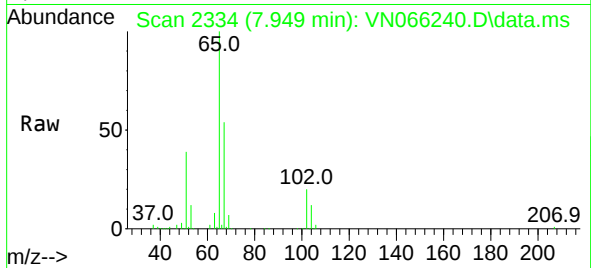




#33
1,2-Dichloroethane-d4
Concen: 44.64 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

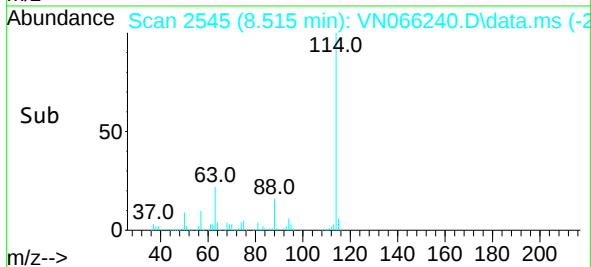
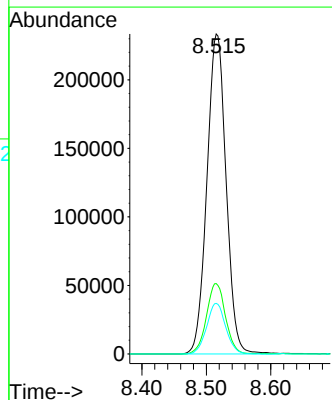
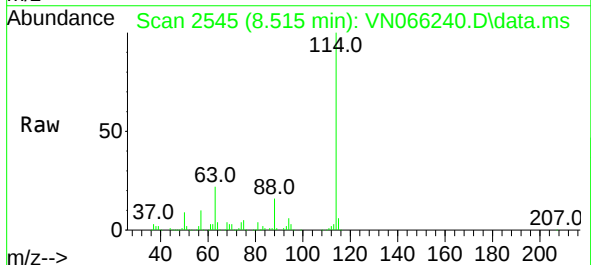
Instrument :
MSVOA_N
ClientSampleId :

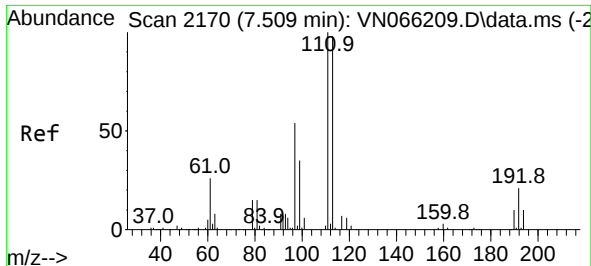
Tgt Ion: 65 Resp: 205943
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

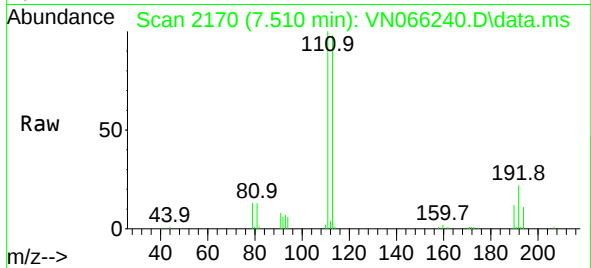
Tgt Ion: 114 Resp: 482421
Ion Ratio Lower Upper
114 100
63 22.0 0.0 49.2
88 15.8 0.0 33.8



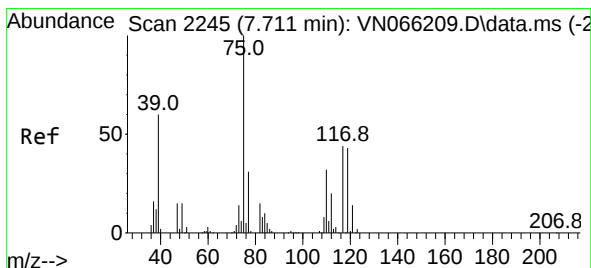
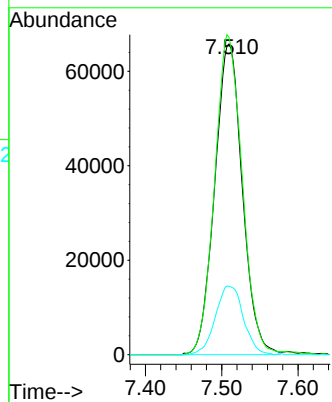
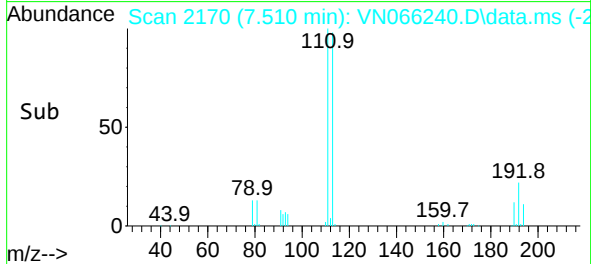


#35
Dibromofluoromethane
Concen: 53.77 ug/l
RT: 7.510 min Scan# 2170
Delta R.T. 0.001 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

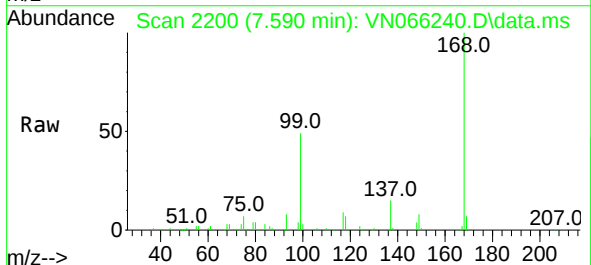
Instrument :
MSVOA_N
ClientSampleId :



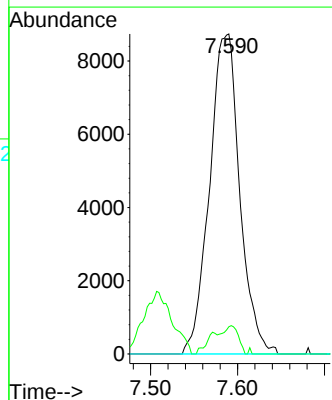
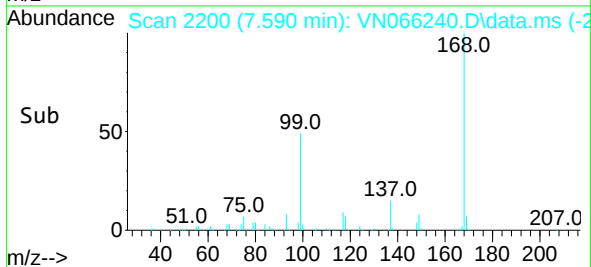
Tgt Ion:113 Resp: 165495
Ion Ratio Lower Upper
113 100
111 102.8 84.0 126.0
192 22.4 16.7 25.1

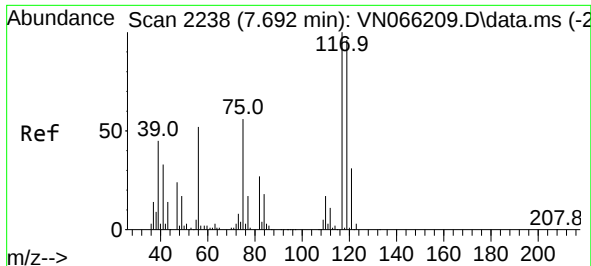


#36
1,1-Dichloropropene
Concen: 4.32 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.121 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31



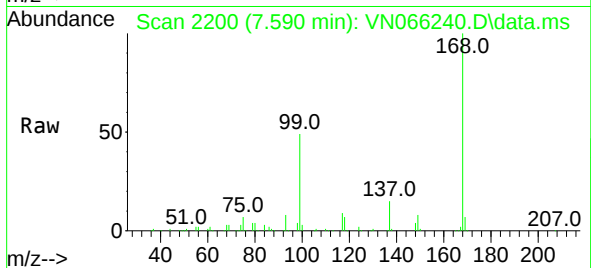
Tgt Ion: 75 Resp: 21090
Ion Ratio Lower Upper
75 100
110 3.5 16.0 48.0#
77 0.0 24.9 37.3#



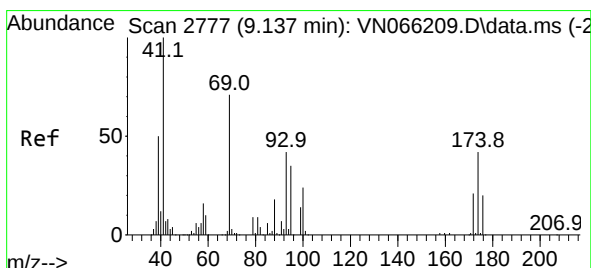
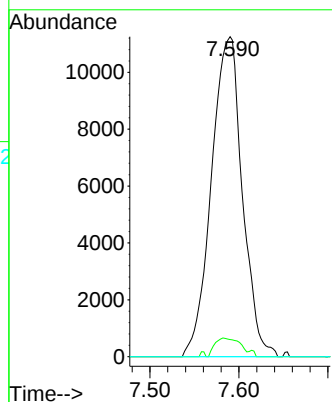
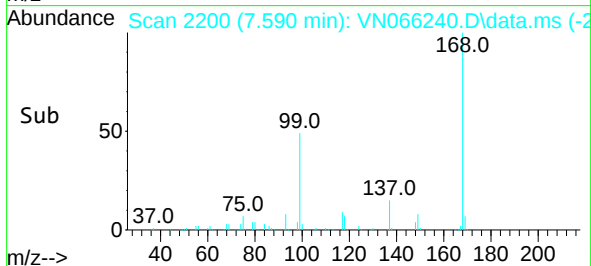


#38
Carbon Tetrachloride
Concen: 6.21 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.102 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

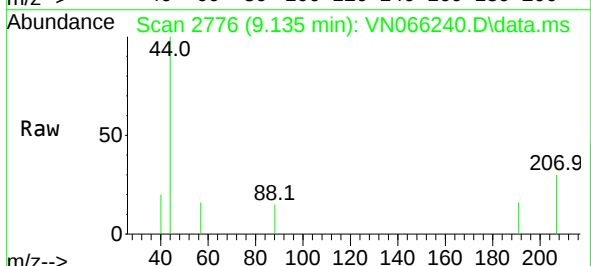
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MSVOA_N
ClientSampled :



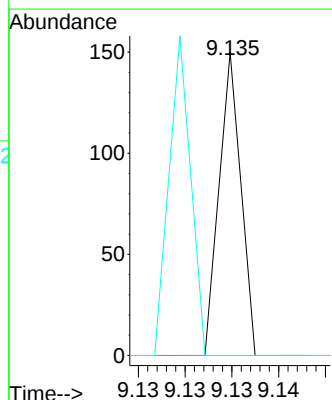
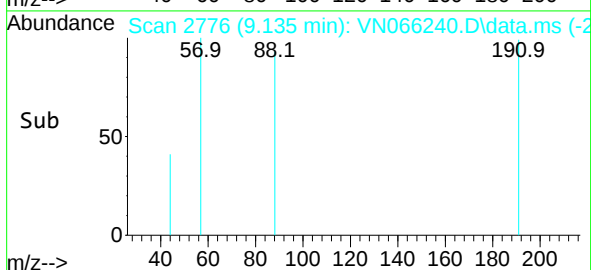
Tgt Ion: 117 Resp: 27205
Ion Ratio Lower Upper
117 100
119 5.3 74.6 111.8#
121 0.0 23.9 35.9#

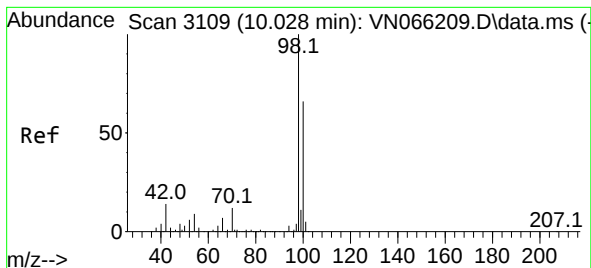


#49
1,4-Dioxane
Concen: 0.43 ug/l
RT: 9.135 min Scan# 2776
Delta R.T. -0.002 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31



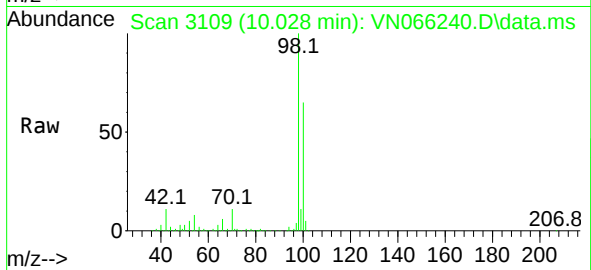
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 34.4 51.6#
58 104.2 67.3 100.9#



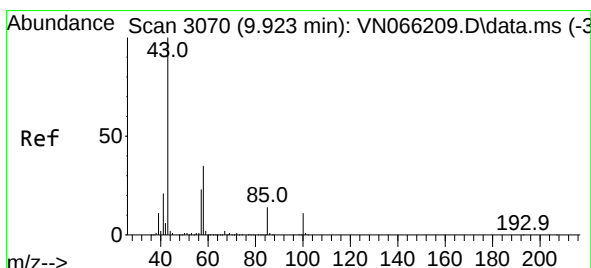
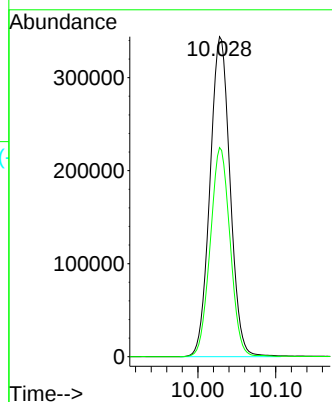
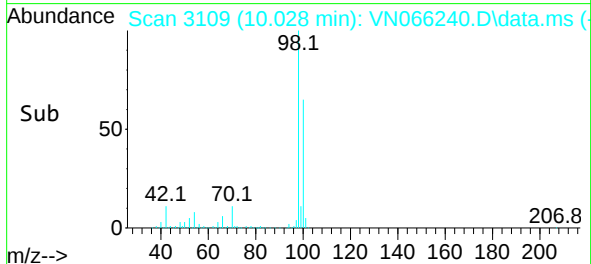


#50
Toluene-d8
Concen: 51.85 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

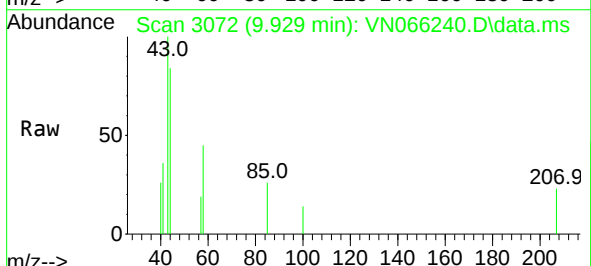
Instrument :
MSVOA_N
ClientSampled :



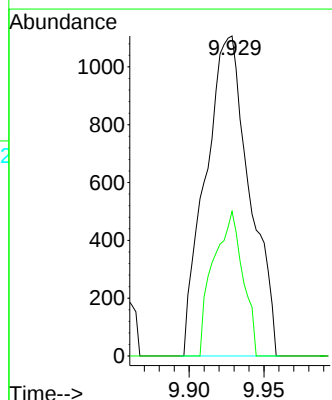
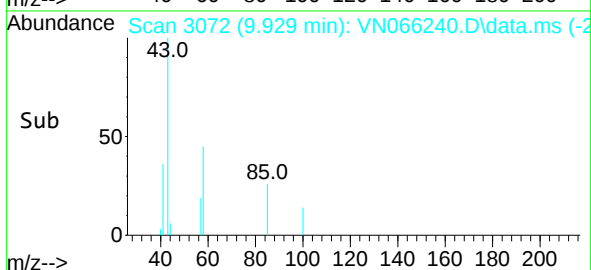
Tgt Ion: 98 Resp: 617003
Ion Ratio Lower Upper
98 100
100 64.6 51.0 76.6

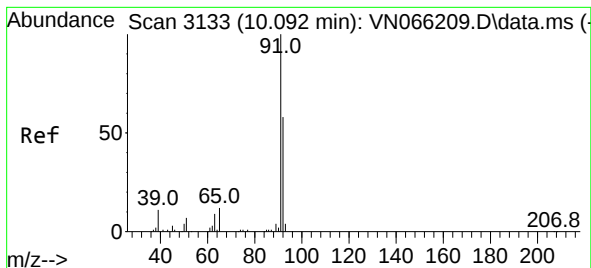


#51
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 9.929 min Scan# 3072
Delta R.T. 0.006 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31



Tgt Ion: 43 Resp: 2267
Ion Ratio Lower Upper
43 100
58 30.3 27.5 41.3





#52

Toluene

Concen: 0.44 ug/l

RT: 10.092 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VN066240.D

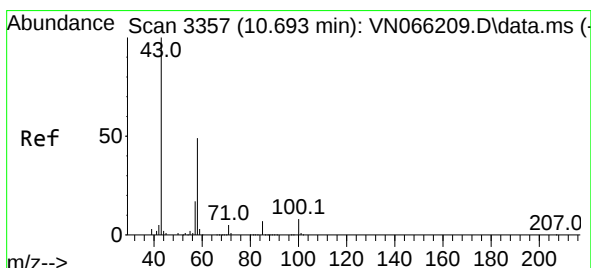
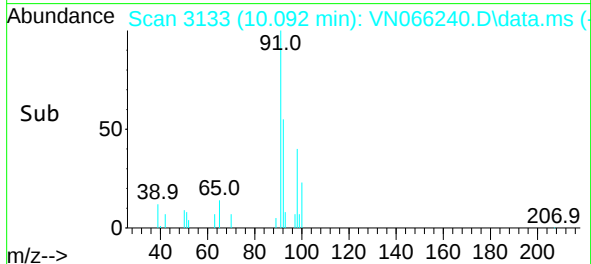
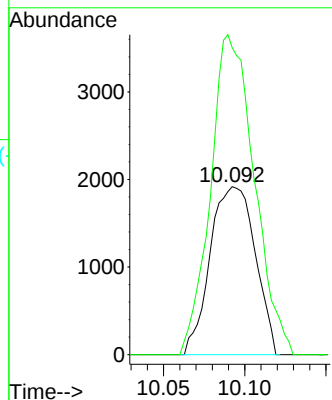
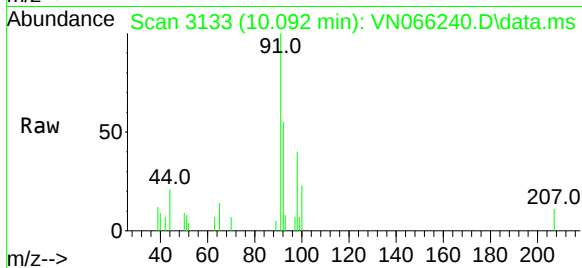
Acq: 17 Mar 2021 17:31

Tgt Ion: 92 Resp: 3699

Ion Ratio Lower Upper

92 100

91 184.6 137.5 206.3



#59

2-Hexanone

Concen: 1.39 ug/l

RT: 10.704 min Scan# 3361

Delta R.T. 0.011 min

Lab File: VN066240.D

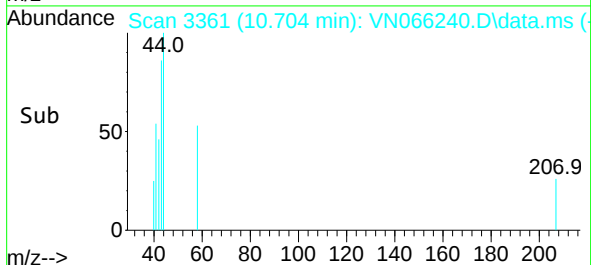
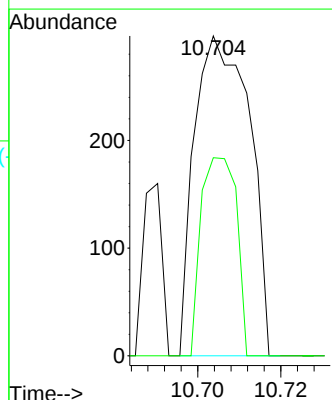
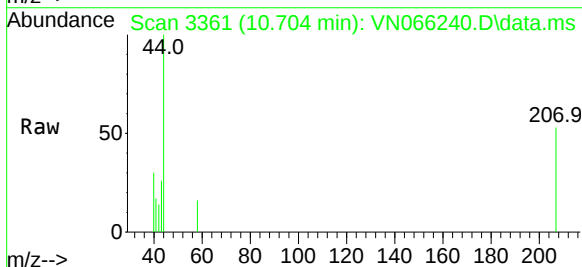
Acq: 17 Mar 2021 17:31

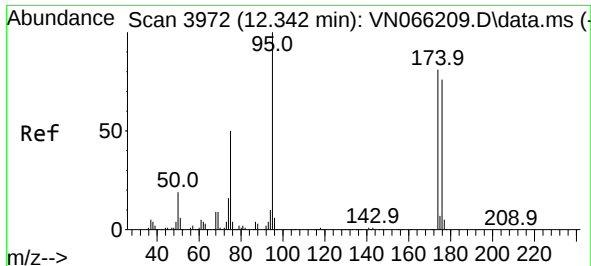
Tgt Ion: 43 Resp: 274

Ion Ratio Lower Upper

43 100

58 39.8 23.8 71.5

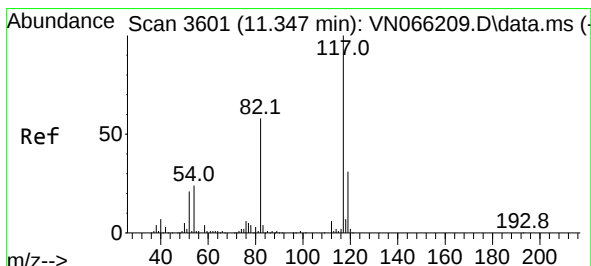
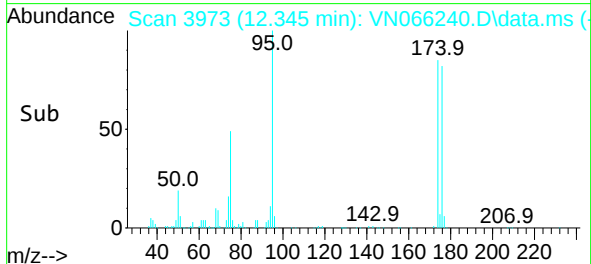
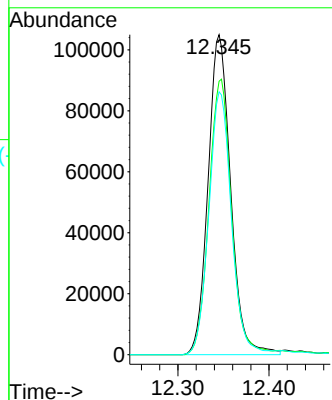
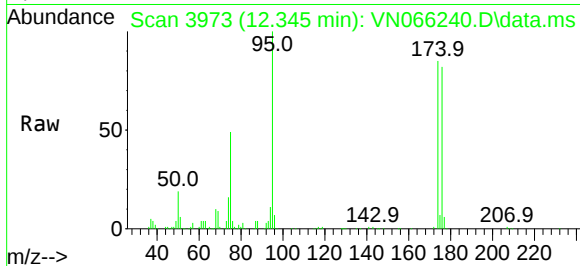




#62
4-Bromofluorobenzene
Concen: 42.10 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

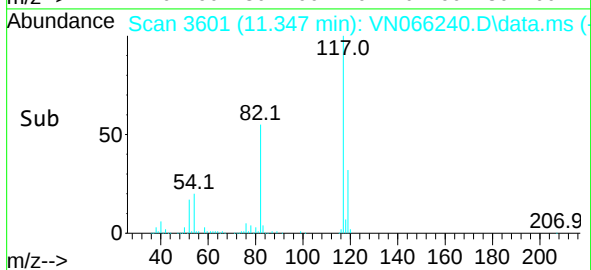
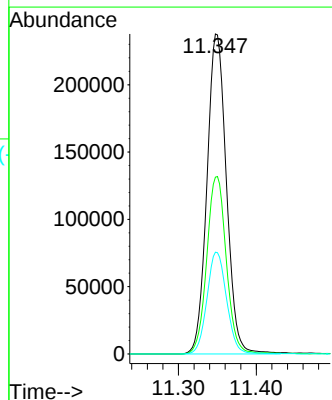
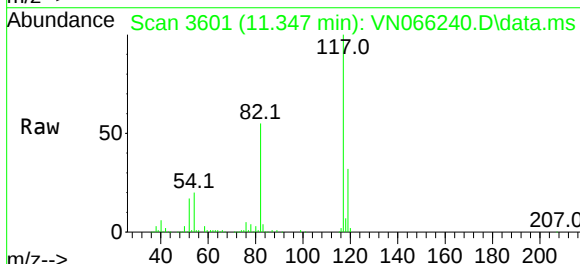
Instrument :
MSVOA_N
ClientSampled :

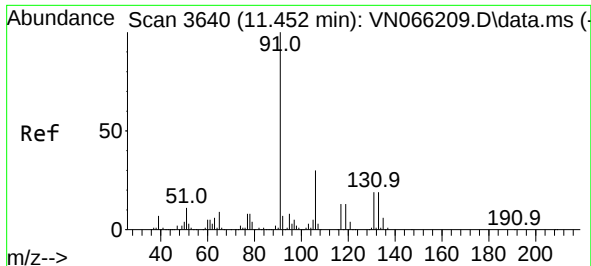
Tgt Ion: 95 Resp: 180579
Ion Ratio Lower Upper
95 100
174 85.9 0.0 162.4
176 82.3 0.0 156.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Tgt Ion: 117 Resp: 413269
Ion Ratio Lower Upper
117 100
82 55.3 49.0 73.6
119 31.8 25.7 38.5

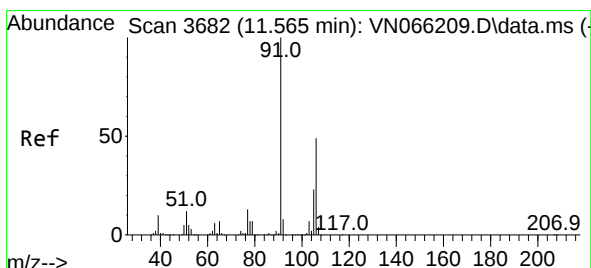
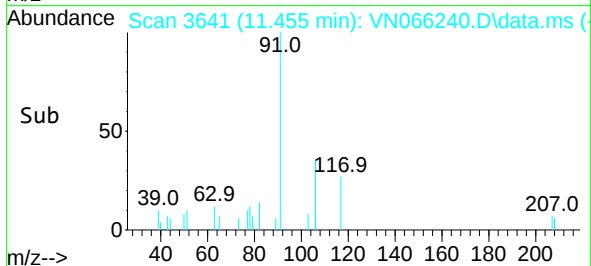
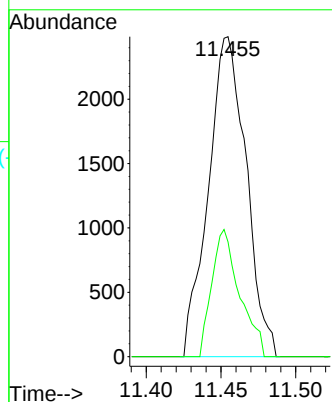
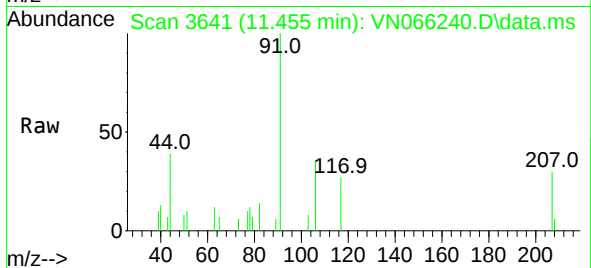




#67
Ethyl Benzene
Concen: 0.30 ug/l
RT: 11.455 min Scan# 3641
Delta R.T. 0.003 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

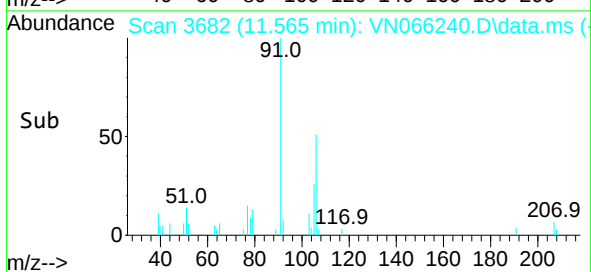
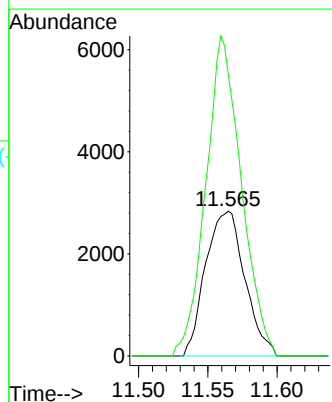
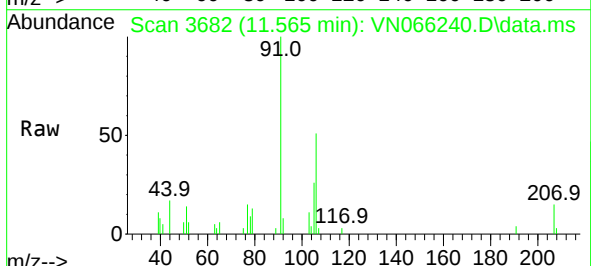
Instrument :
MSVOA_N
ClientSampled :

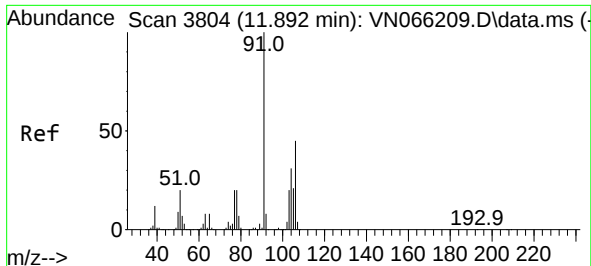
Tgt Ion: 91 Resp: 4378
Ion Ratio Lower Upper
91 100
106 35.8 24.2 36.2



#68
m/p-Xylenes
Concen: 1.03 ug/l
RT: 11.565 min Scan# 3682
Delta R.T. -0.000 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Tgt Ion:106 Resp: 5596
Ion Ratio Lower Upper
106 100
91 199.9 168.2 252.4

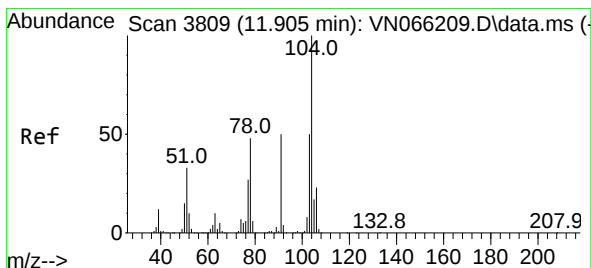
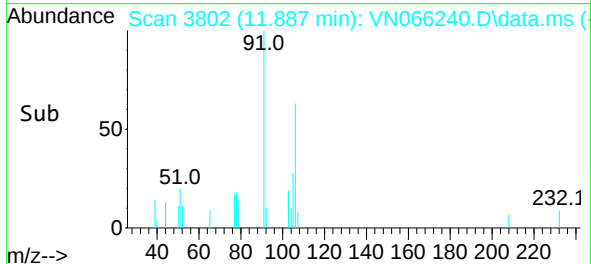
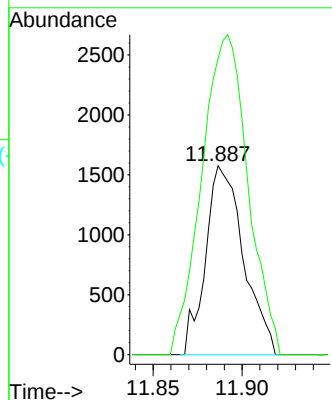
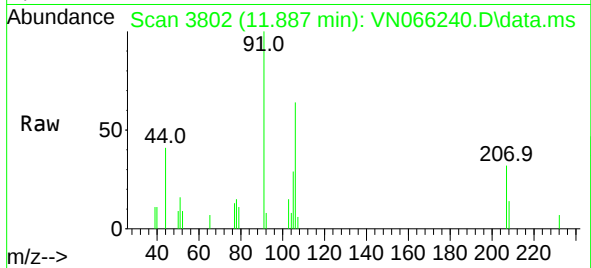




#69
o-Xylene
Concen: 0.45 ug/l
RT: 11.887 min Scan# 3802
Delta R.T. -0.005 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

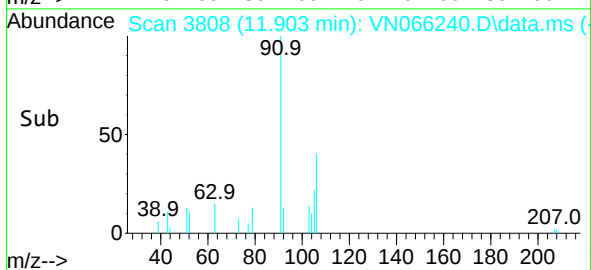
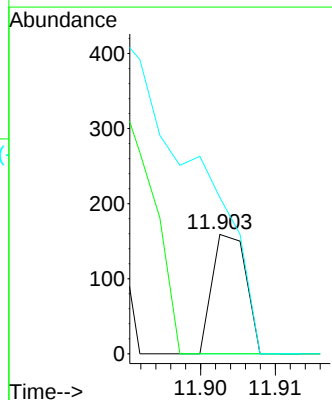
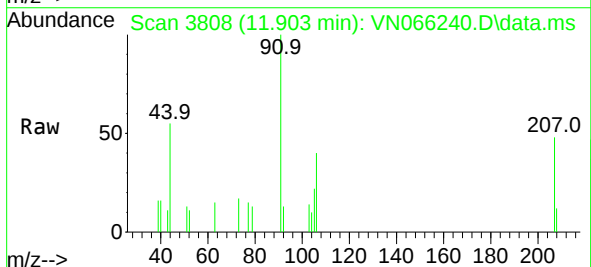
Instrument :
MSVOA_N
ClientSampled :

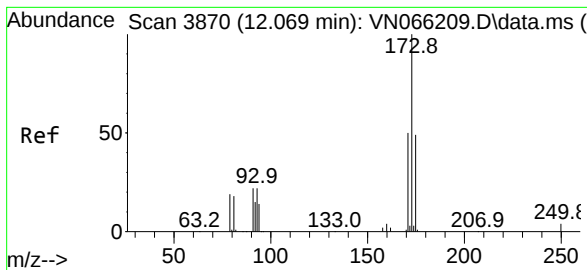
Tgt Ion:106 Resp: 2339
Ion Ratio Lower Upper
106 100
91 206.2 111.8 335.3



#70
Styrene
Concen: 2.15 ug/l
RT: 11.903 min Scan# 3808
Delta R.T. -0.002 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Tgt Ion:104 Resp: 50
Ion Ratio Lower Upper
104 100
78 0.0 43.8 65.6#
103 0.0 43.7 65.5#





#71

Bromoform

Concen: 0.38 ug/l

RT: 12.342 min Scan# 3972

Delta R.T. 0.273 min

Lab File: VN066240.D

Acq: 17 Mar 2021 17:31

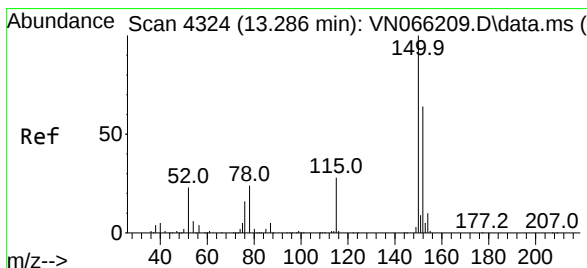
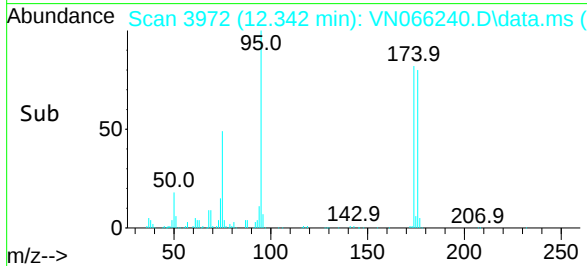
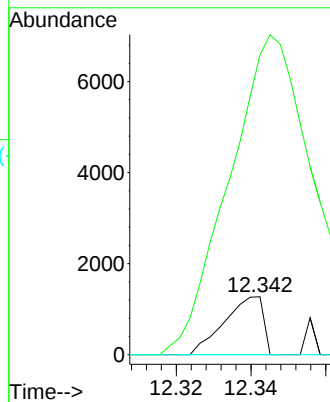
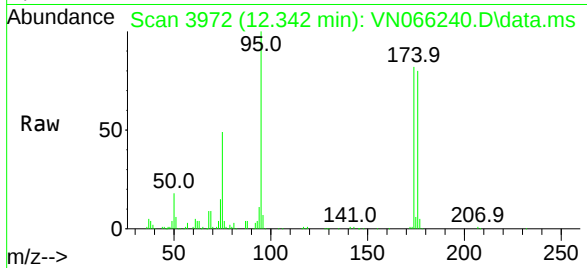
Tgt Ion:173 Resp: 926

Ion Ratio Lower Upper

173 100

175 1075.8 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.286 min Scan# 4324

Delta R.T. 0.000 min

Lab File: VN066240.D

Acq: 17 Mar 2021 17:31

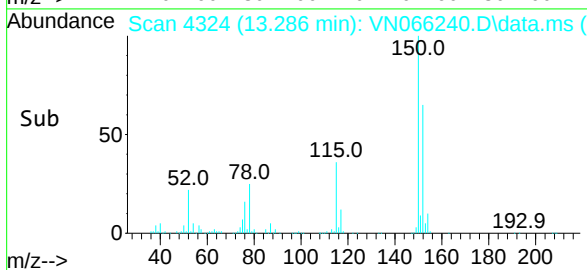
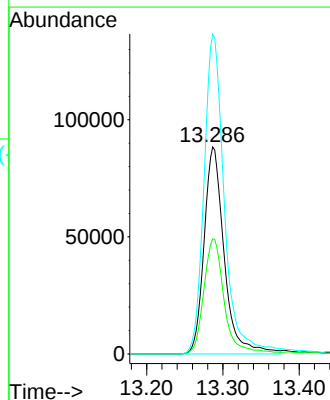
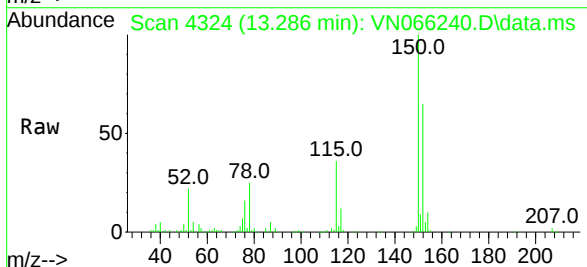
Tgt Ion:152 Resp: 161951

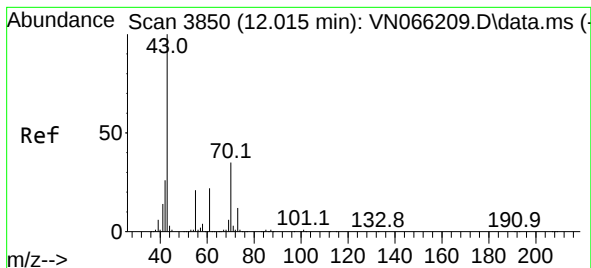
Ion Ratio Lower Upper

152 100

115 56.4 29.4 88.3

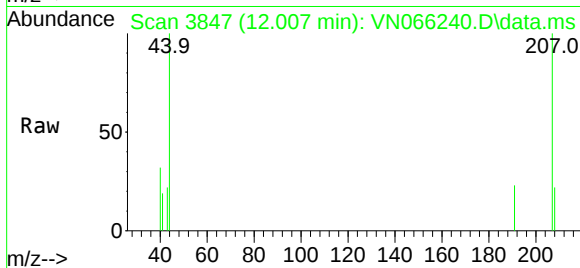
150 159.0 0.0 352.2



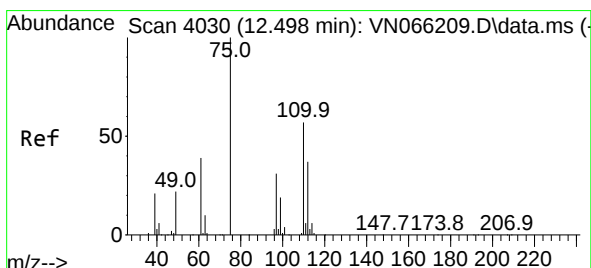
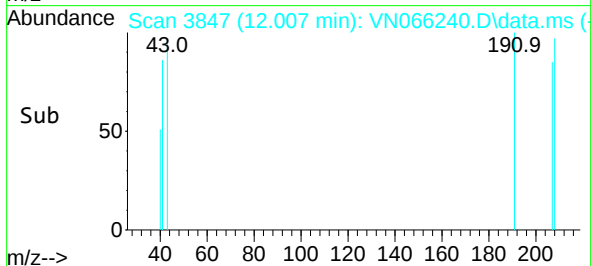
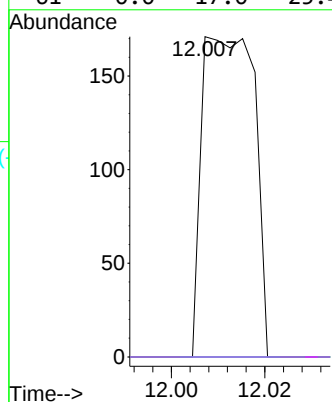


#74
N-amy1 acetate
Concen: 2.18 ug/l
RT: 12.007 min Scan# 3847
Delta R.T. -0.008 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Instrument :
MSVOA_N
ClientSampled :

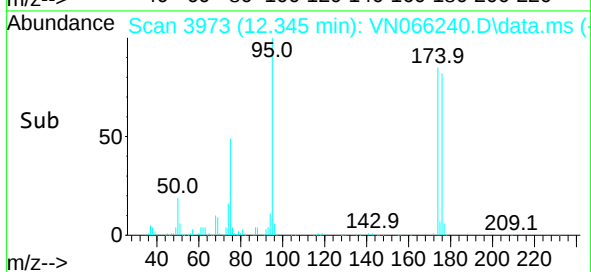
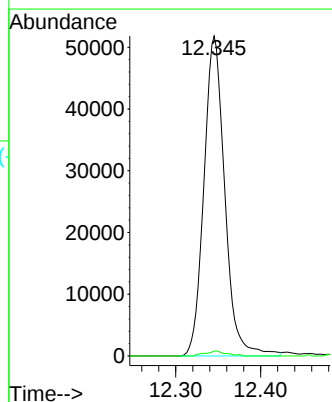
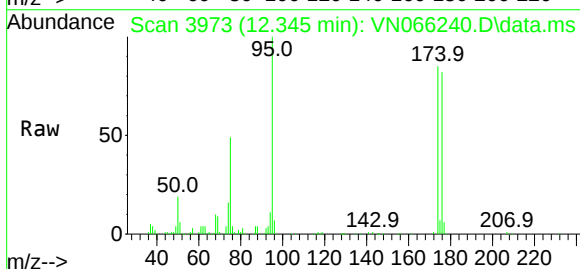


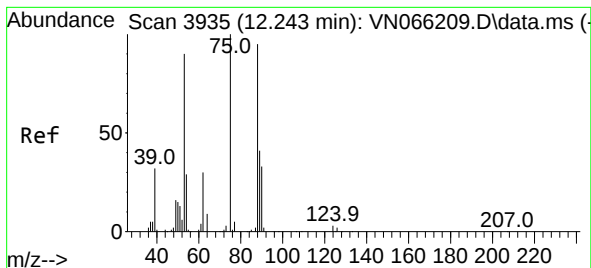
Tgt Ion: 43	Resp: 133
Ion Ratio	Lower Upper
43 100	
70 0.0	26.2 39.4#
55 0.0	17.2 25.8#
61 0.0	17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 21.14 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Tgt Ion: 75	Resp: 88404
Ion Ratio	Lower Upper
75 100	
77 1.6	0.0 0.0#

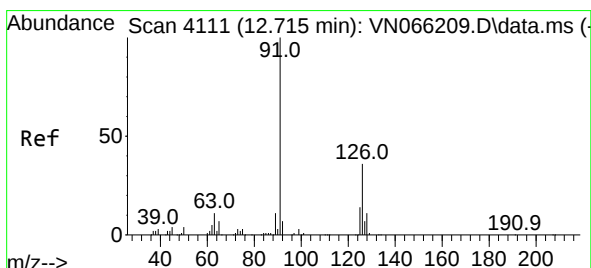
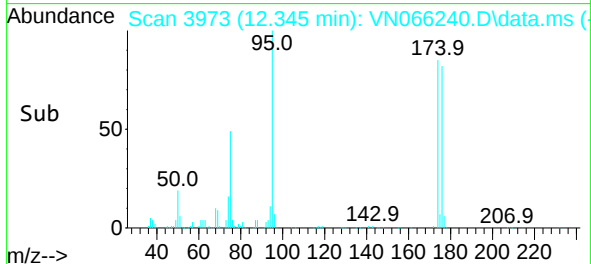
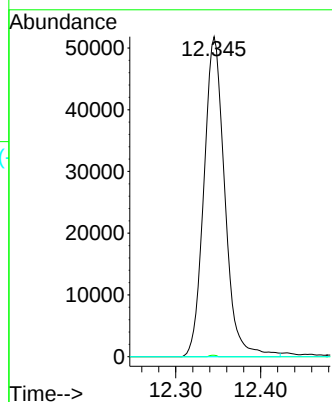
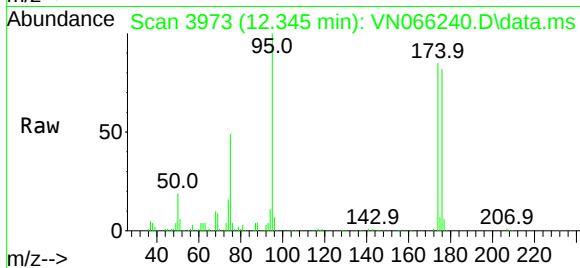




#81
trans-1,4-Dichloro-2-butene
Concen: 63.25 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

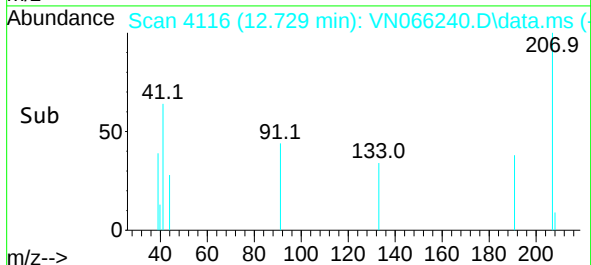
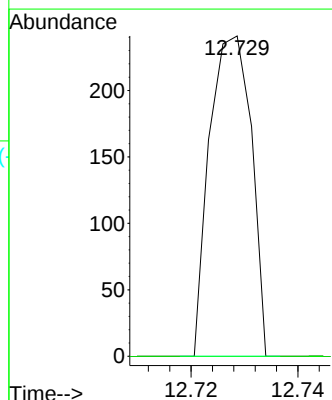
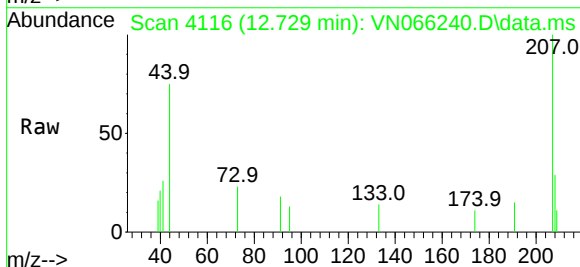
Instrument :
MSVOA_N
ClientSampleId :

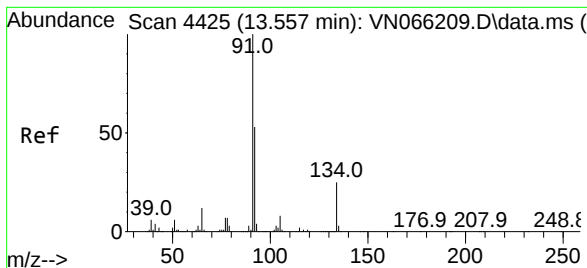
Tgt Ion: 75 Resp: 88404
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#



#82
4-Chlorotoluene
Concen: 0.48 ug/l
RT: 12.729 min Scan# 4116
Delta R.T. 0.014 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Tgt Ion: 91 Resp: 131
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#

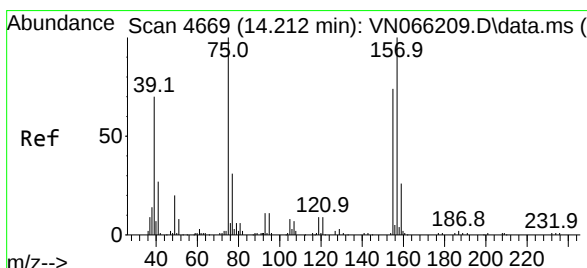
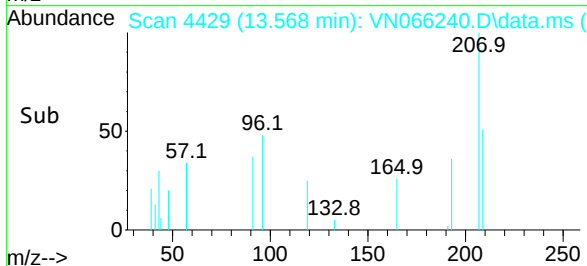
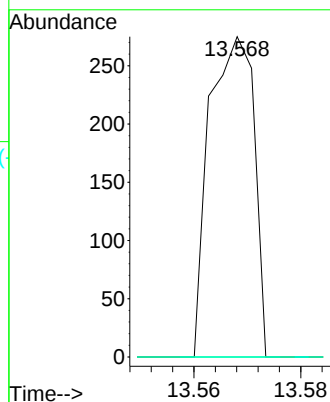
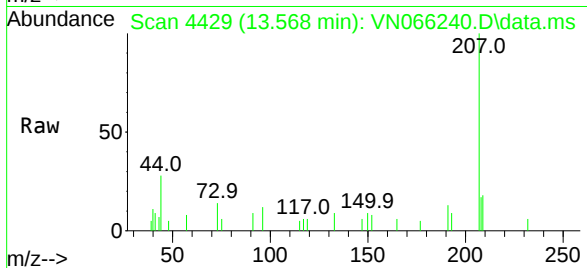




#89
n-Butylbenzene
Concen: 2.25 ug/l
RT: 13.568 min Scan# 4429
Delta R.T. 0.011 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 91 Resp: 159
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.20 ug/l
RT: 14.212 min Scan# 4669
Delta R.T. -0.000 min
Lab File: VN066240.D
Acq: 17 Mar 2021 17:31

Tgt Ion: 75 Resp: 329
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#

