

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012521\
 Data File : VN065588.D
 Acq On : 25 Jan 2021 19:48
 Operator : JC/MD
 Sample : M1218-04 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 238

Quant Time: Jan 26 01:50:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

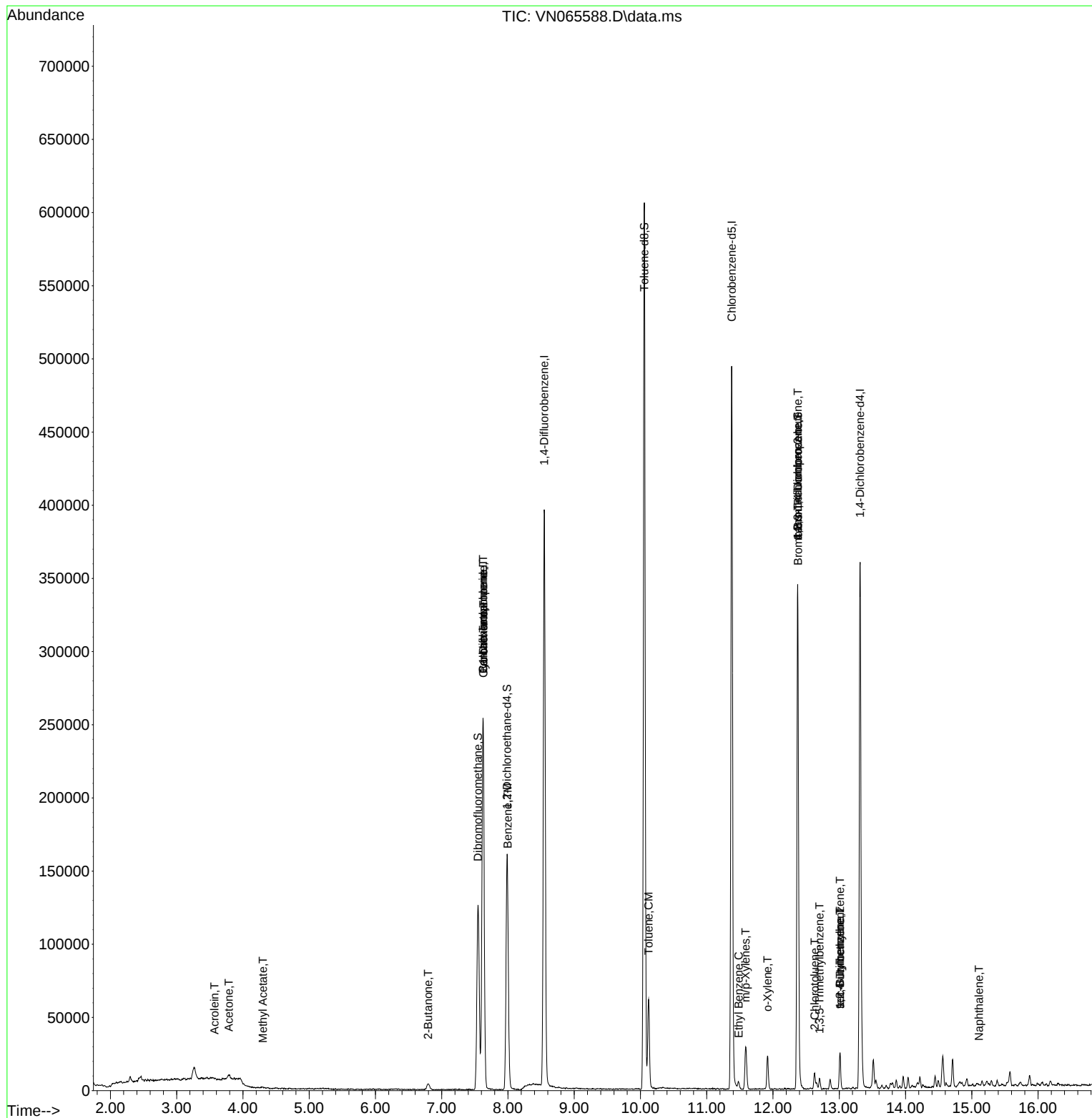
Internal Standards						
1) Pentafluorobenzene	7.624	168	206926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	356634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	299478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	104351	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	129985	47.75	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.50%		
35) Dibromofluoromethane	7.547	113	103560	49.00	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.00%		
50) Toluene-d8	10.058	98	436065	52.49	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.98%		
62) 4-Bromofluorobenzene	12.373	95	139391	46.60	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.20%		
Target Compounds					Qvalue	
13) Acrolein	3.569	56	57	18.21	ug/l #	16
16) Acetone	3.785	43	4681	4.42	ug/l	97
18) Methyl Acetate	4.303	43	1131	0.38	ug/l #	51
25) 2-Butanone	6.794	43	642	0.39	ug/l #	46
31) Cyclohexane	7.627	56	4627	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	16909	4.71	ug/l #	48
38) Carbon Tetrachloride	7.624	117	20207	6.84	ug/l #	16
40) Benzene	7.997	78	11281	1.03	ug/l	98
52) Toluene	10.122	92	26621	4.10	ug/l	98
67) Ethyl Benzene	11.482	91	3662	0.31	ug/l	98
68) m/p-Xylenes	11.588	106	9795	2.30	ug/l	94
69) o-Xylene	11.920	106	6814	1.65	ug/l	97
71) Bromoform	12.376	173	446	0.29	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	64733	23.72	ug/l #	100
79) 2-Chlorotoluene	12.630	91	1452	0.23	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.701	105	4213	0.54	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	64733	60.76	ug/l #	12
83) tert-Butylbenzene	13.010	119	1730	0.27	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.010	105	14993	1.93	ug/l	95
85) sec-Butylbenzene	13.010	105	14993	1.71	ug/l #	56
95) Naphthalene	15.109	128	1441	3.65	ug/l #	69

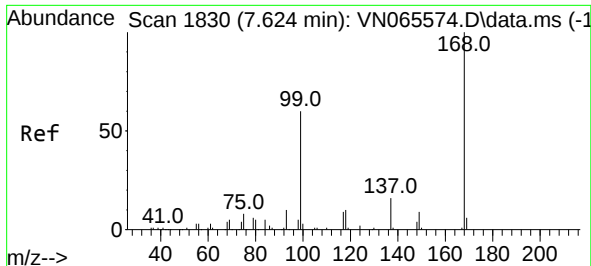
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:47:28 2021
Response via : Initial Calibration

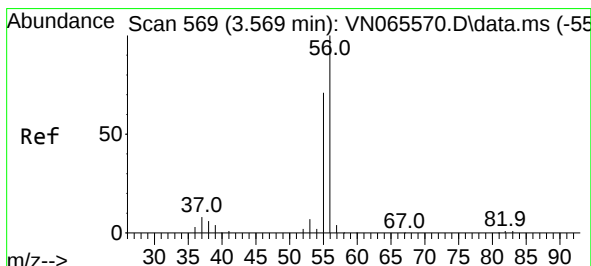
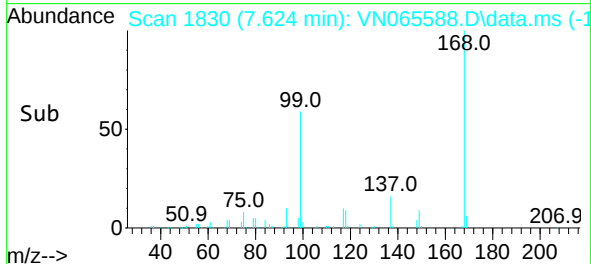
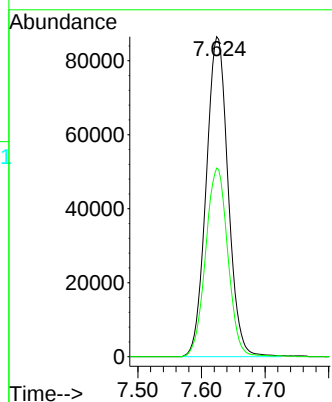
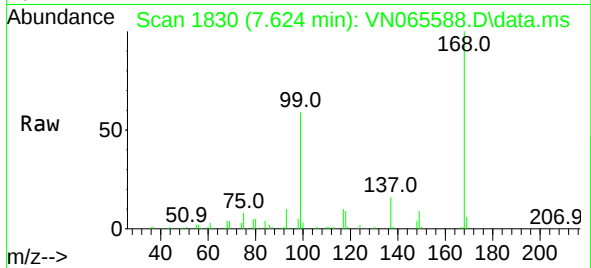




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

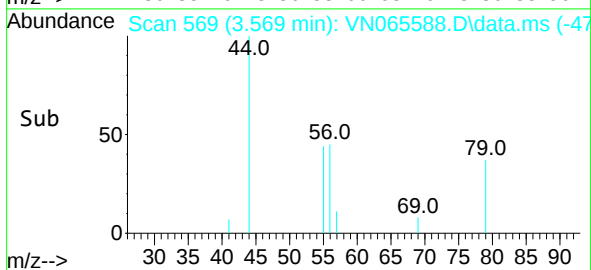
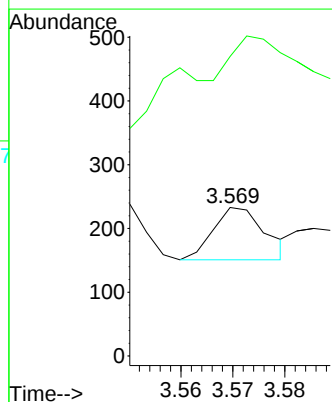
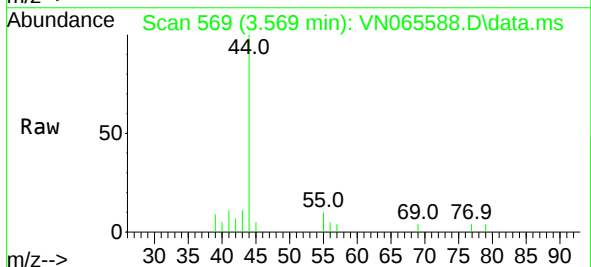
Instrument :
MSVOA_N
ClientSampled :
238

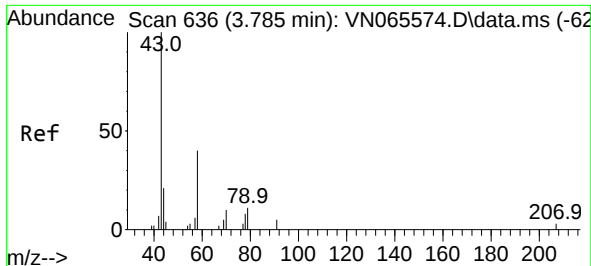
Tgt Ion:168 Resp: 206926
Ion Ratio Lower Upper
168 100
99 58.9 42.6 63.8



#13
Acrolein
Concen: 18.21 ug/l
RT: 3.569 min Scan# 569
Delta R.T. 0.000 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 138.6 56.0 84.0#

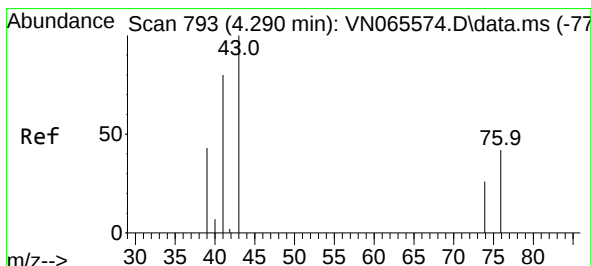
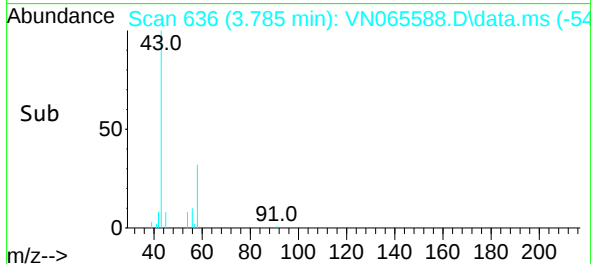
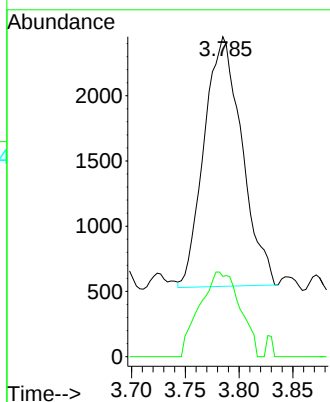
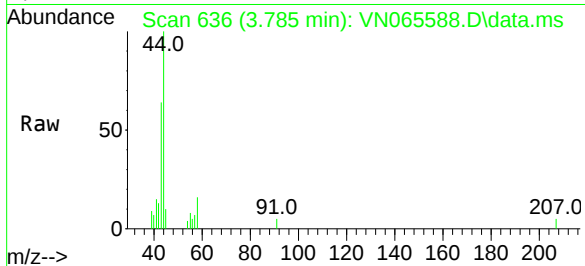




#16
Acetone
Concen: 4.42 ug/l
RT: 3.785 min Scan# 636
Delta R.T. 0.003 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

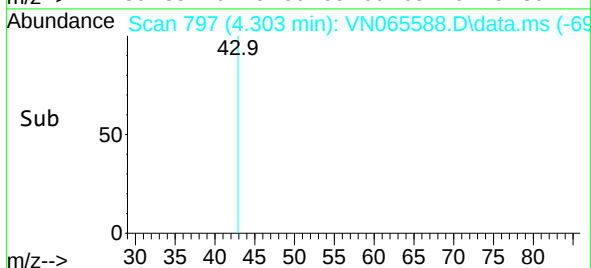
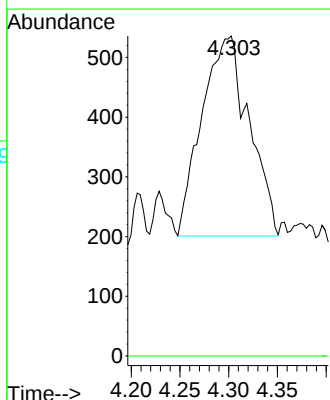
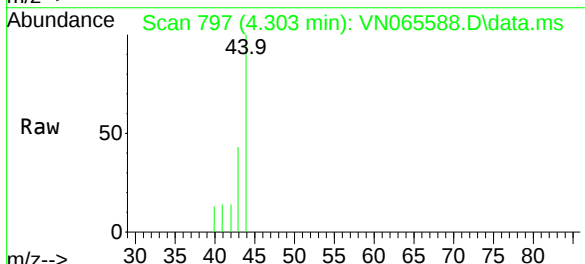
Instrument :
MSVOA_N
ClientSampled :
238

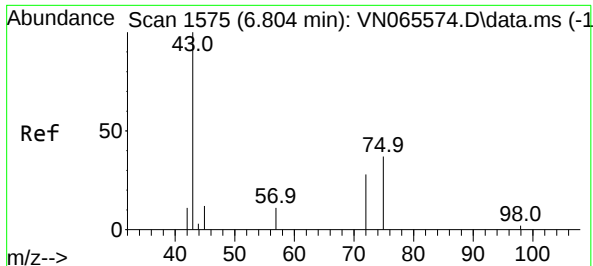
Tgt Ion: 43 Resp: 4681
Ion Ratio Lower Upper
43 100
58 32.4 27.0 40.6



#18
Methyl Acetate
Concen: 0.38 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.020 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#

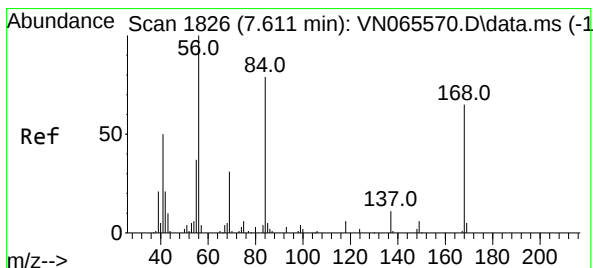
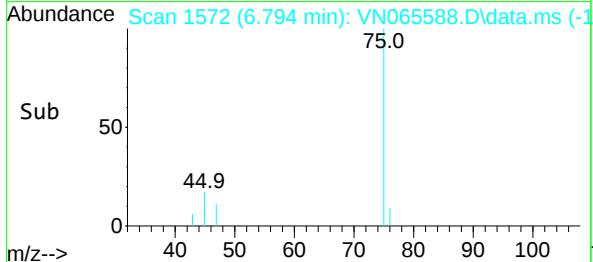
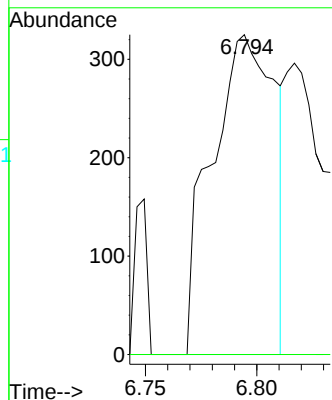
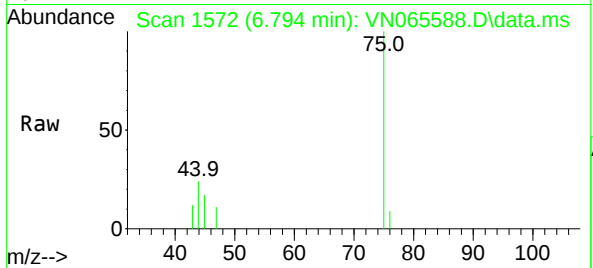




#25
2-Butanone
Concen: 0.39 ug/l
RT: 6.794 min Scan# 1572
Delta R.T. 0.003 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

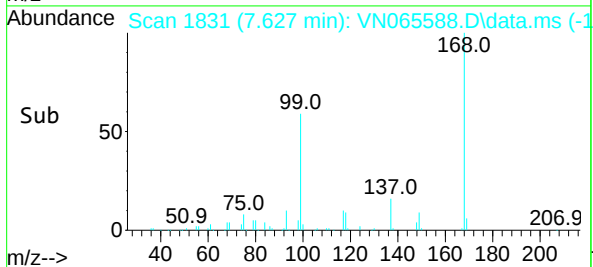
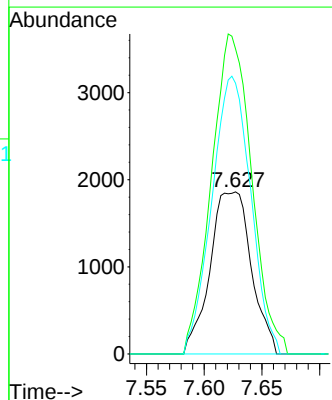
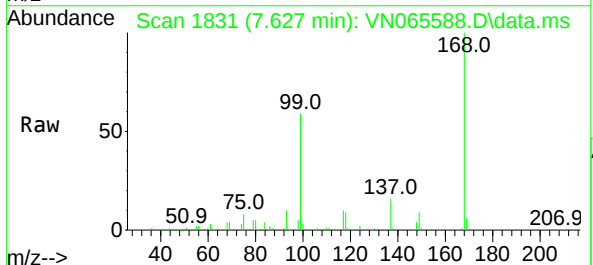
Instrument :
MSVOA_N
ClientSampled :
238

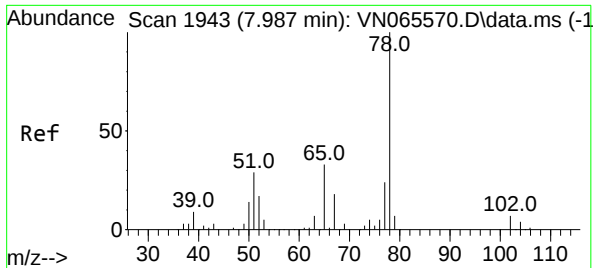
Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#31
Cyclohexane
Concen: 0.90 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion: 56 Resp: 4627
Ion Ratio Lower Upper
56 100
69 188.2 26.6 39.8#
84 167.0 70.4 105.6#

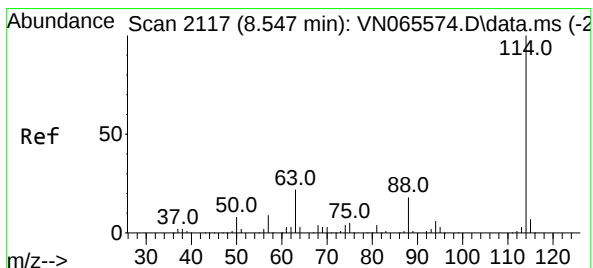
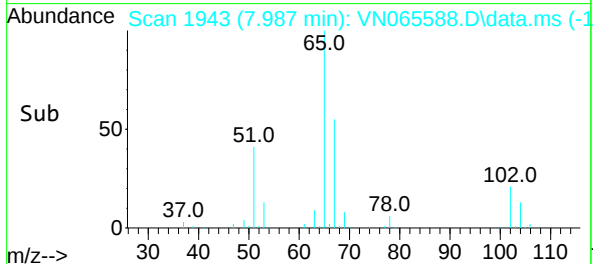
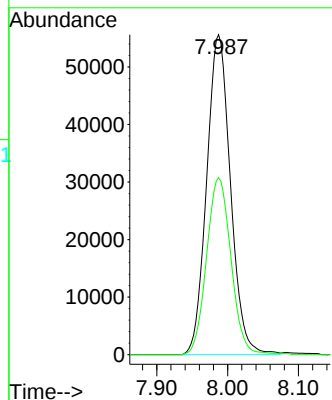
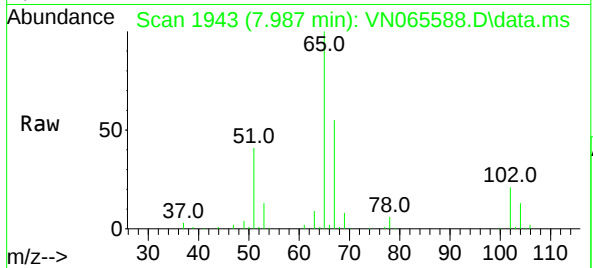




#33
 1,2-Dichloroethane-d4
 Concen: 47.75 ug/l
 RT: 7.987 min Scan# 1943
 Delta R.T. 0.000 min
 Lab File: VN065588.D
 Acq: 25 Jan 2021 19:48

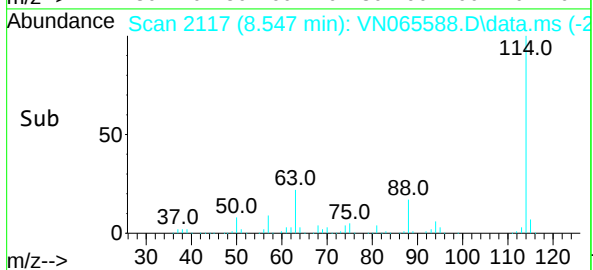
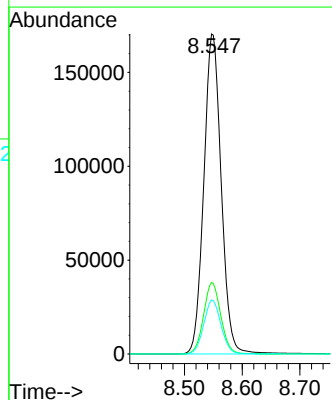
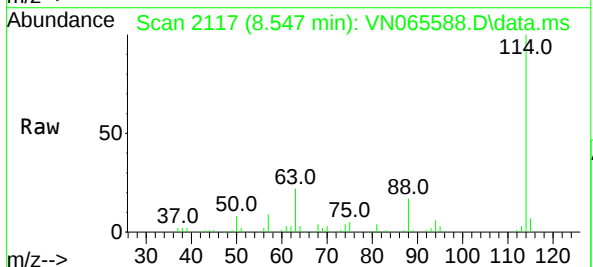
Instrument :
 MSVOA_N
 ClientSampled :
 238

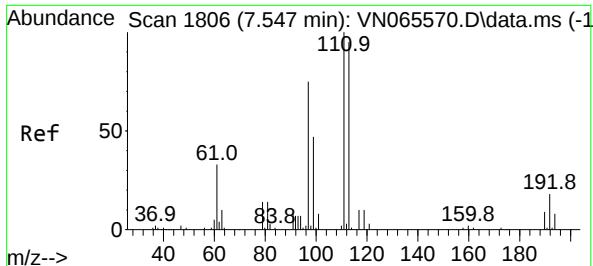
Tgt Ion: 65 Resp: 129985
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.547 min Scan# 2117
 Delta R.T. -0.003 min
 Lab File: VN065588.D
 Acq: 25 Jan 2021 19:48

Tgt Ion: 114 Resp: 356634
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 38.6
 88 16.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.00 ug/l

RT: 7.547 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN065588.D

Acq: 25 Jan 2021 19:48

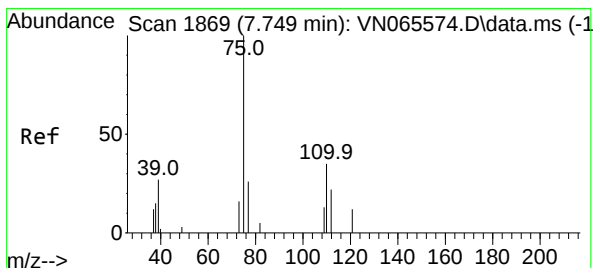
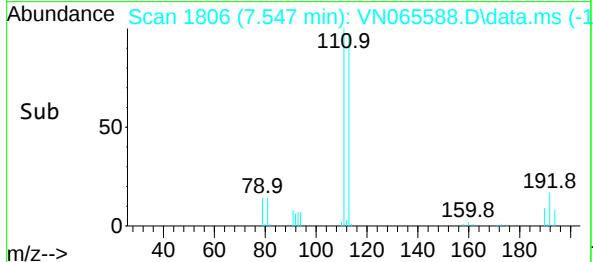
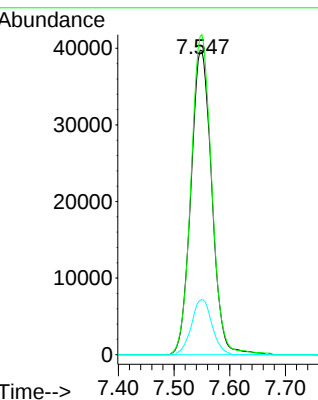
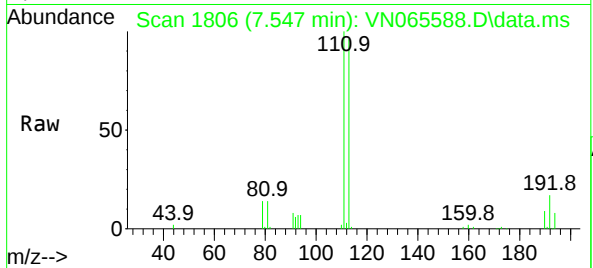
Tgt Ion: 113 Resp: 103560

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

192 17.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.71 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. -0.125 min

Lab File: VN065588.D

Acq: 25 Jan 2021 19:48

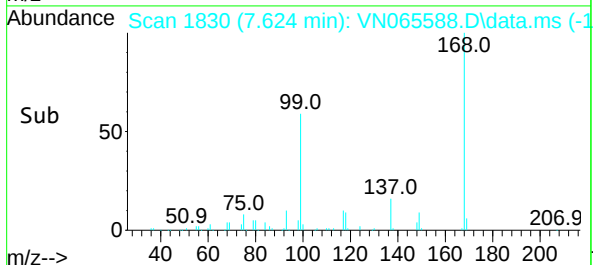
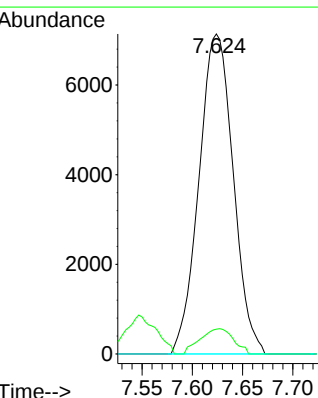
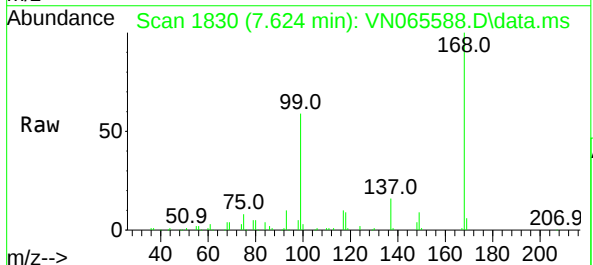
Tgt Ion: 75 Resp: 16909

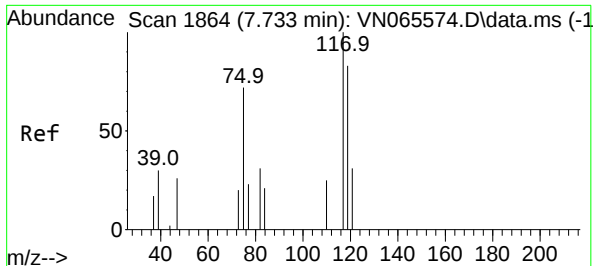
Ion Ratio Lower Upper

75 100

110 7.7 18.2 54.6#

77 0.0 24.9 37.3#

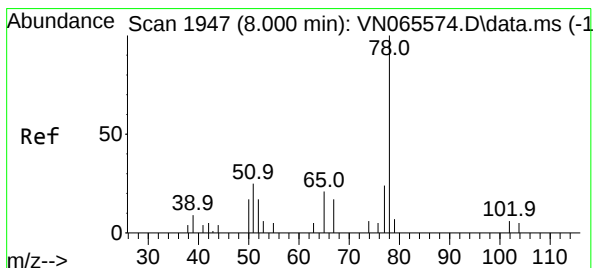
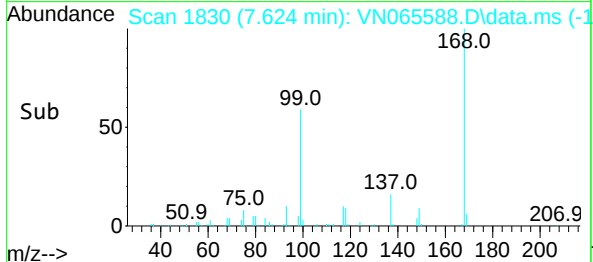
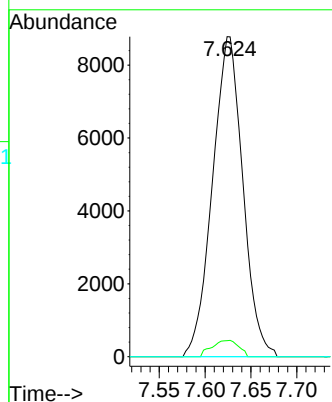
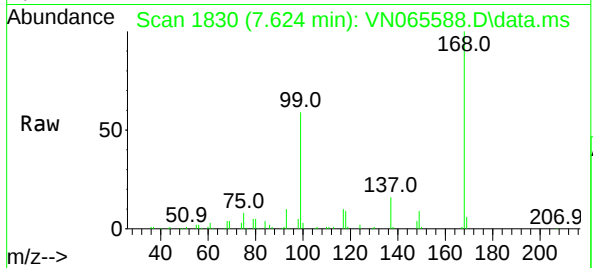




#38
Carbon Tetrachloride
Concen: 6.84 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.106 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

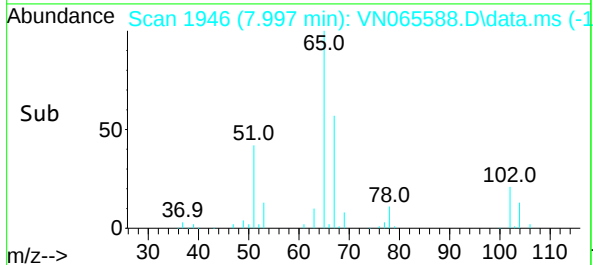
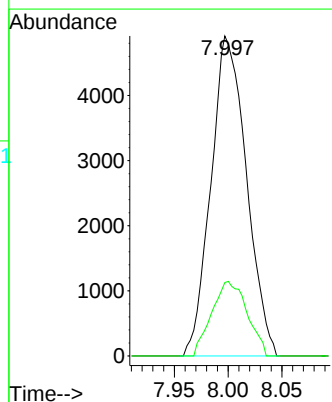
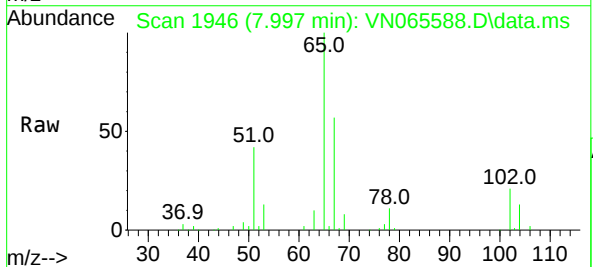
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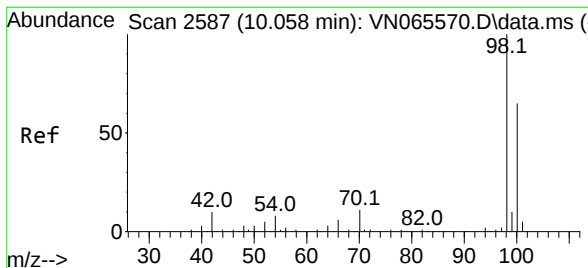
Tgt Ion:117 Resp: 20207
Ion Ratio Lower Upper
117 100
119 5.0 76.0 114.0#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 1.03 ug/l
RT: 7.997 min Scan# 1946
Delta R.T. -0.003 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion: 78 Resp: 11281
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4

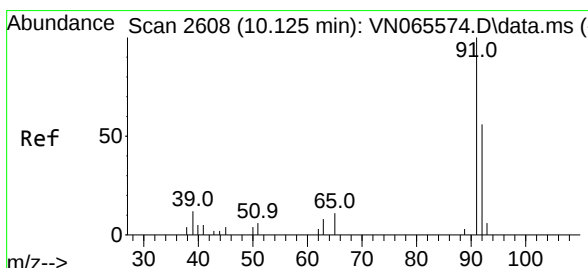
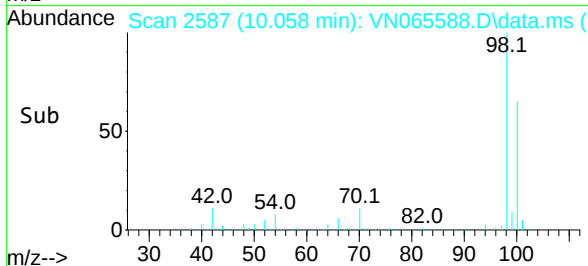
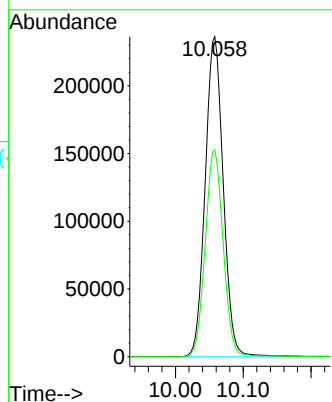
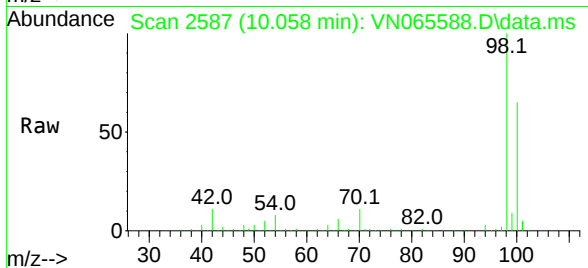




#50
Toluene-d8
Concen: 52.49 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

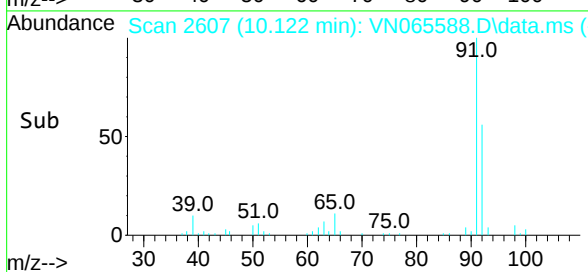
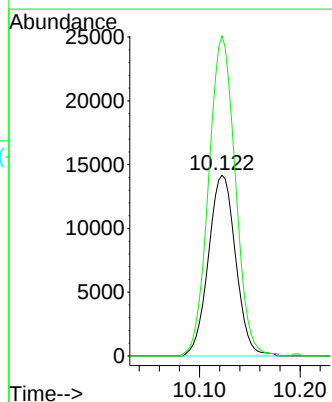
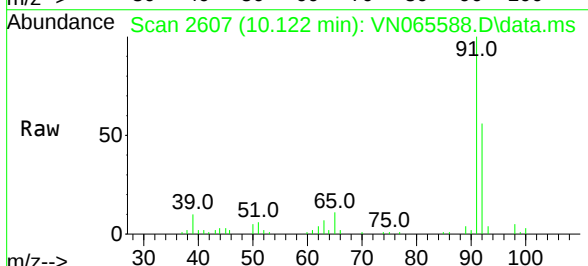
Instrument :
MSVOA_N
ClientSampled :
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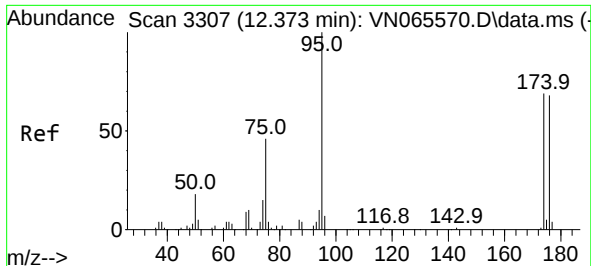
Tgt Ion: 98 Resp: 436065
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7



#52
Toluene
Concen: 4.10 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion: 92 Resp: 26621
Ion Ratio Lower Upper
92 100
91 173.8 140.7 211.1

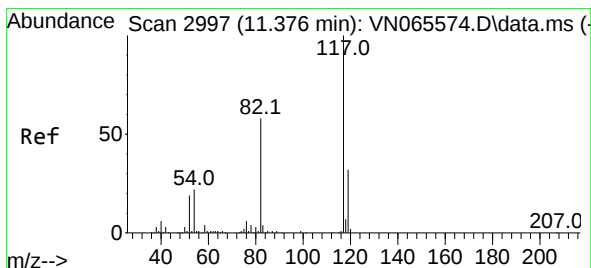
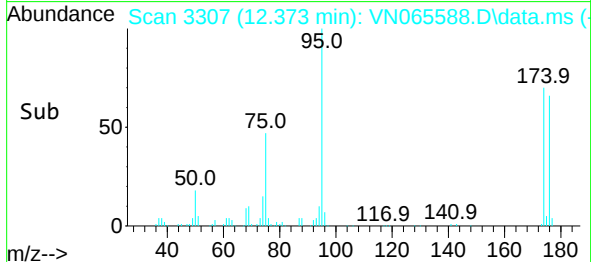
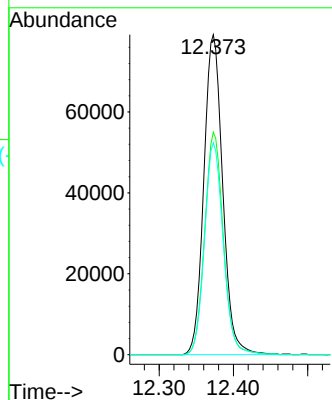
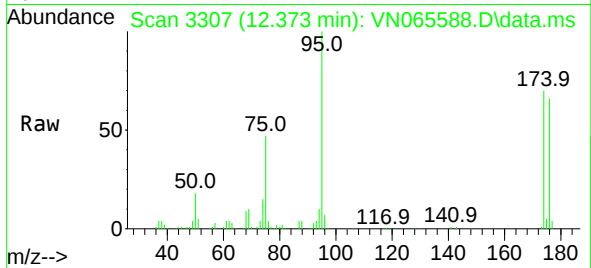




#62
4-Bromofluorobenzene
Concen: 46.60 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.000 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

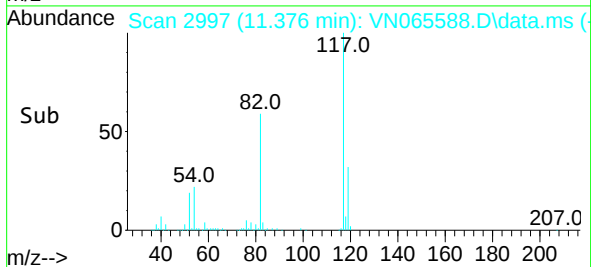
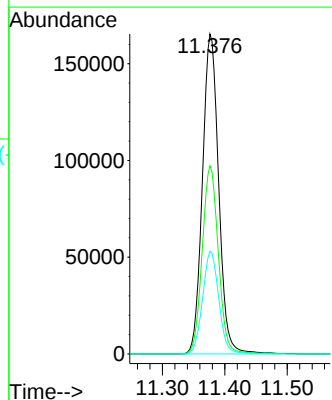
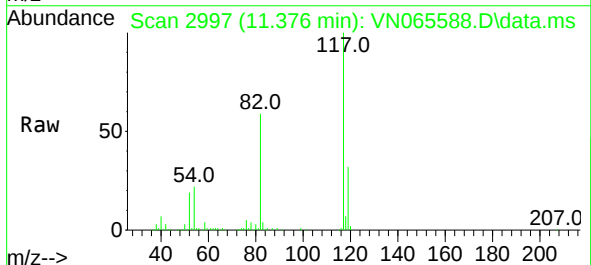
Instrument :
MSVOA_N
ClientSampleId :
238

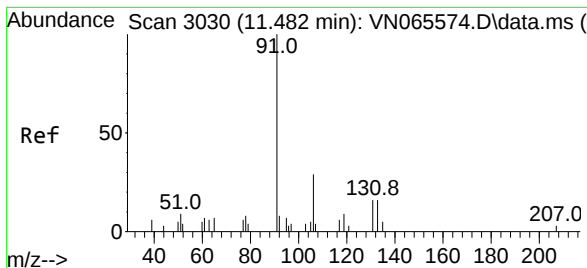
Tgt Ion: 95 Resp: 139391
Ion Ratio Lower Upper
95 100
174 68.8 0.0 169.0
176 65.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion: 117 Resp: 299478
Ion Ratio Lower Upper
117 100
82 58.8 43.7 65.5
119 32.1 26.1 39.1

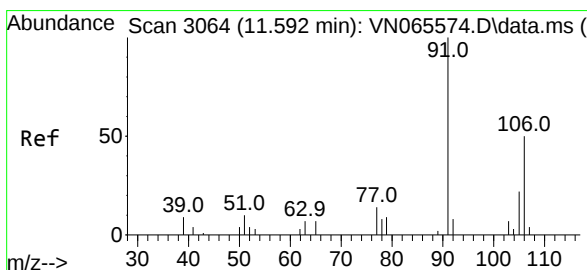
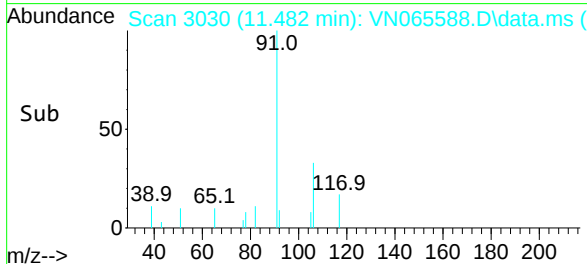
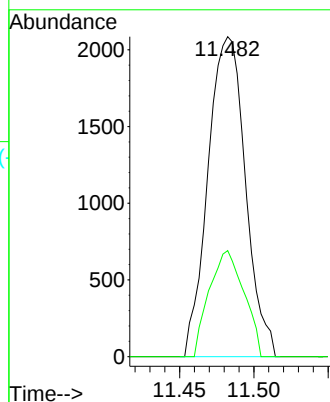
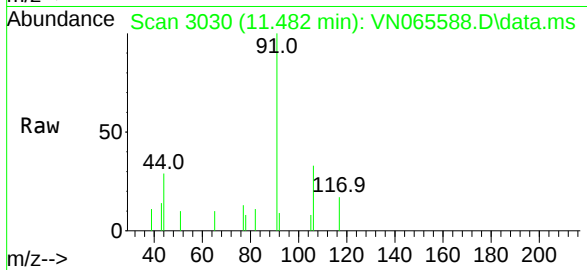




#67
Ethyl Benzene
Concen: 0.31 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

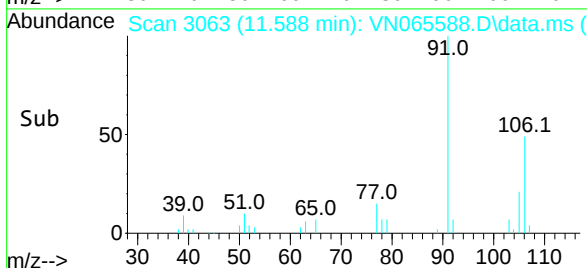
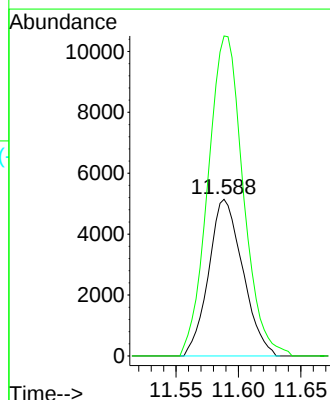
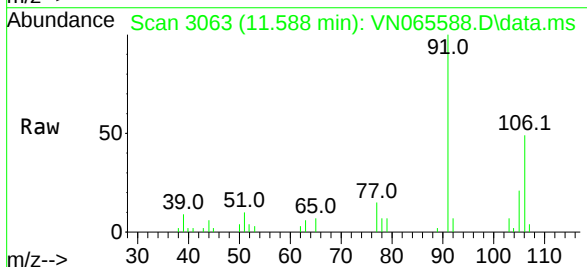
Instrument :
MSVOA_N
ClientSampled :
238

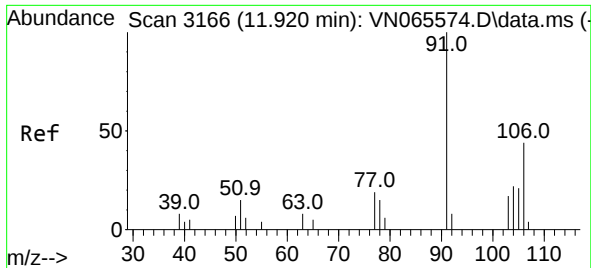
Tgt Ion: 91 Resp: 3662
Ion Ratio Lower Upper
91 100
106 33.1 25.5 38.3



#68
m/p-Xylenes
Concen: 2.30 ug/l
RT: 11.588 min Scan# 3063
Delta R.T. -0.004 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion: 106 Resp: 9795
Ion Ratio Lower Upper
106 100
91 210.9 161.4 242.0

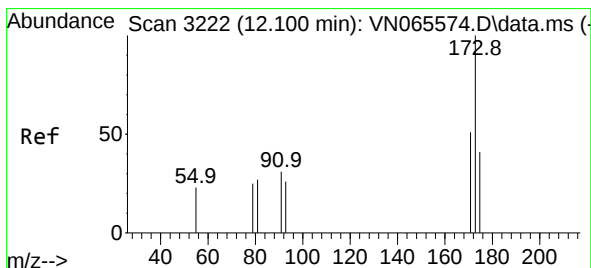
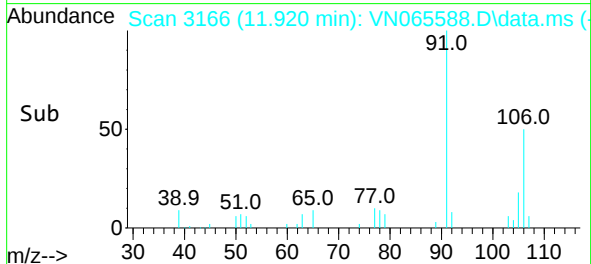
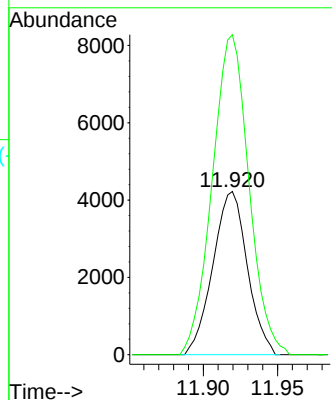
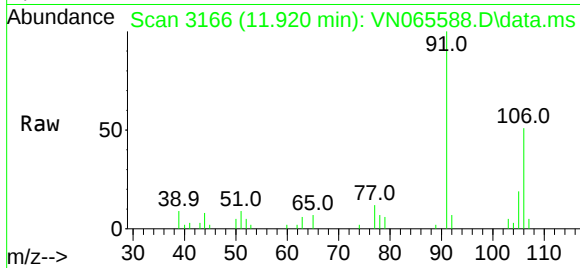




#69
o-Xylene
Concen: 1.65 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. 0.004 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

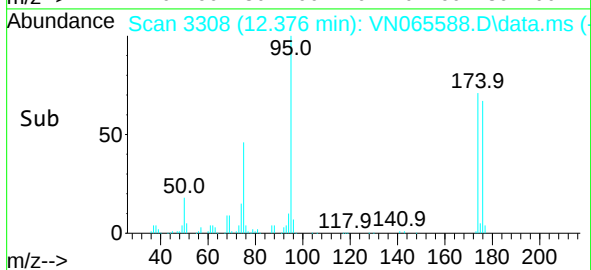
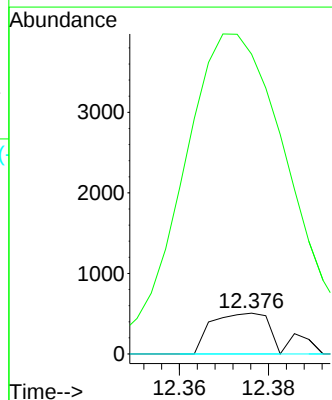
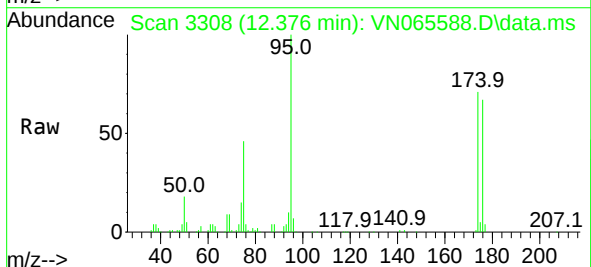
Instrument :
MSVOA_N
ClientSampled :
238

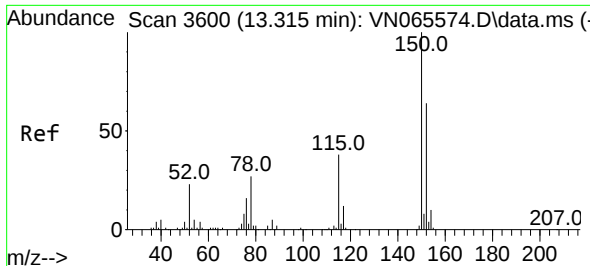
Tgt Ion:106 Resp: 6814
Ion Ratio Lower Upper
106 100
91 208.2 106.8 320.4



#71
Bromoform
Concen: 0.29 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.280 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion:173 Resp: 446
Ion Ratio Lower Upper
173 100
175 1264.8 23.8 71.2#
254 0.0 0.0 0.0

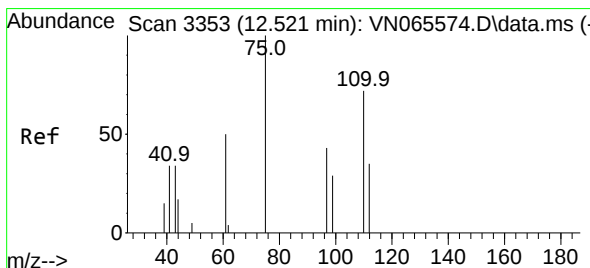
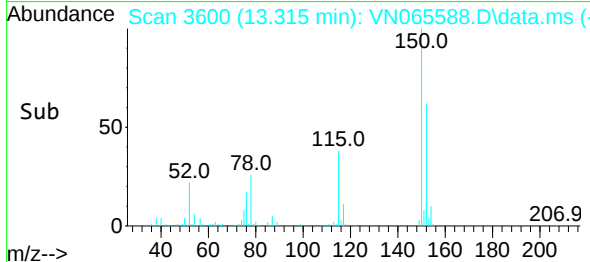
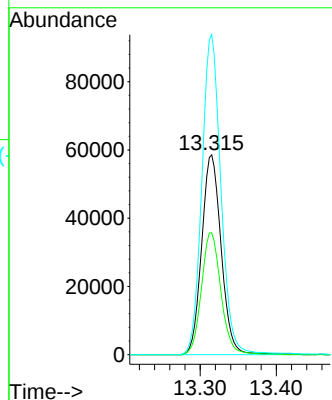
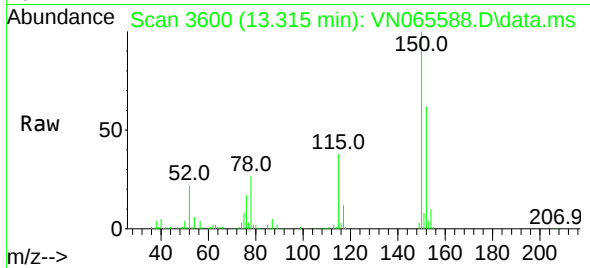




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN065588.D
 Acq: 25 Jan 2021 19:48

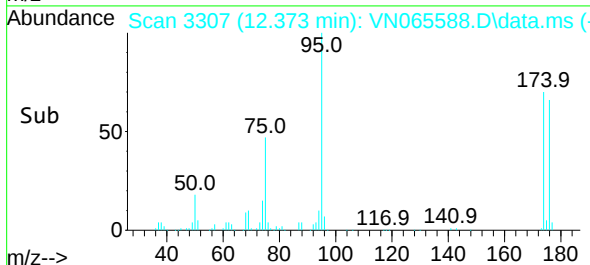
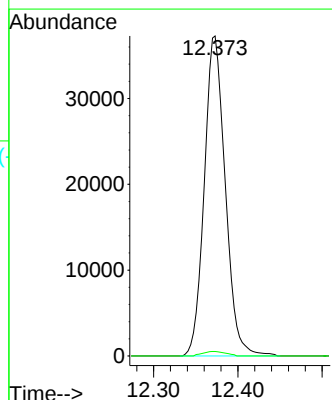
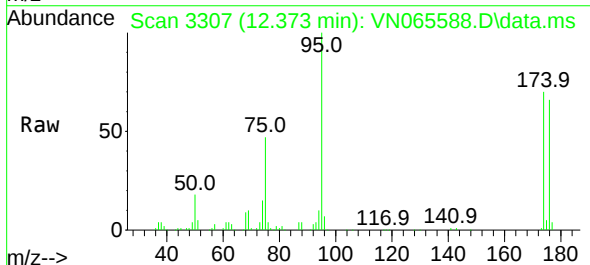
Instrument :
 MSVOA_N
 ClientSampled :
 238

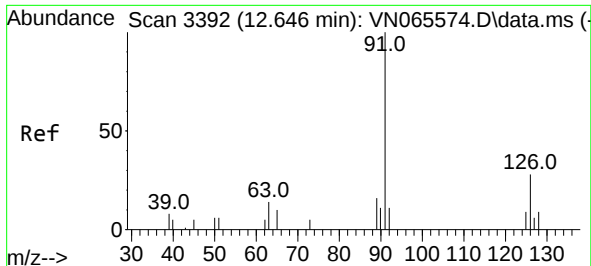
Tgt Ion:152 Resp: 104351
 Ion Ratio Lower Upper
 152 100
 115 60.8 28.5 85.6
 150 157.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 23.72 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN065588.D
 Acq: 25 Jan 2021 19:48

Tgt Ion: 75 Resp: 64733
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

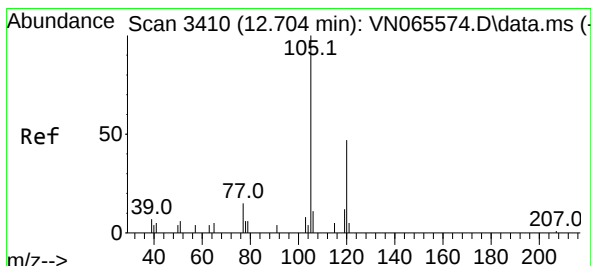
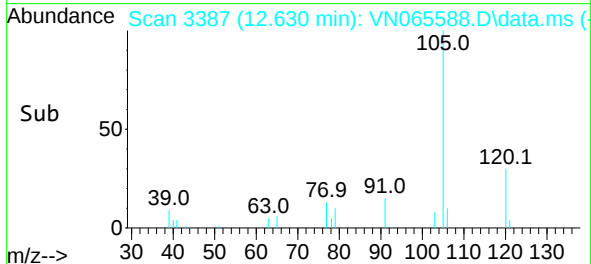
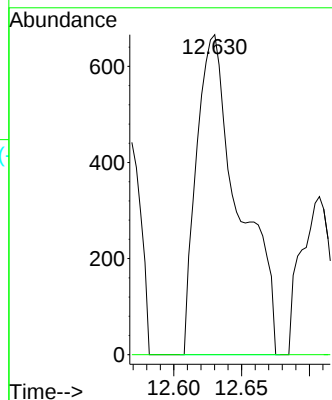
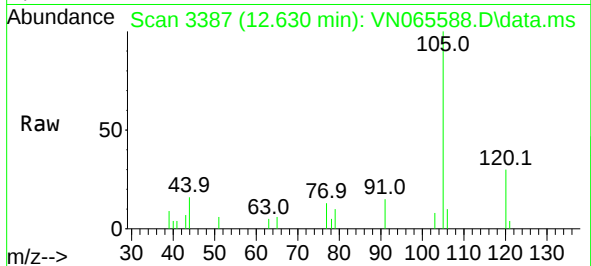




#79
2-Chlorotoluene
Concen: 0.23 ug/l
RT: 12.630 min Scan# 3387
Delta R.T. -0.013 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

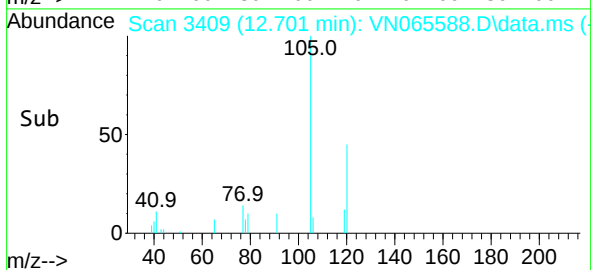
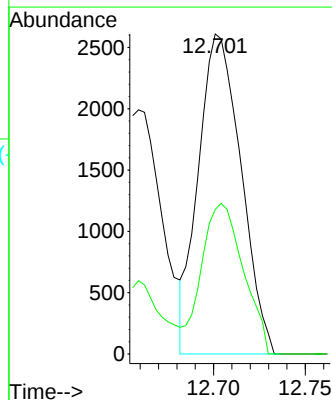
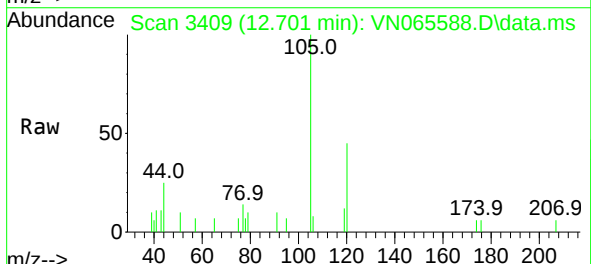
Instrument :
MSVOA_N
ClientSampled :
238

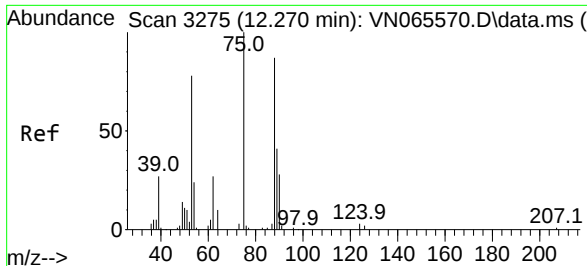
Tgt Ion: 91 Resp: 1452
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.54 ug/l
RT: 12.701 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion: 105 Resp: 4213
Ion Ratio Lower Upper
105 100
120 46.5 24.3 72.8

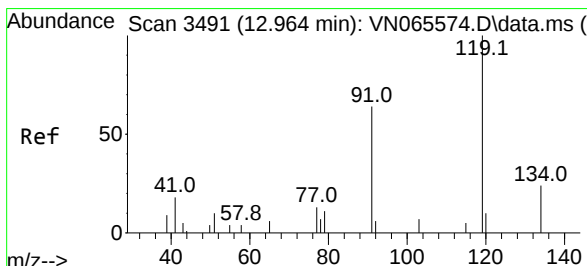
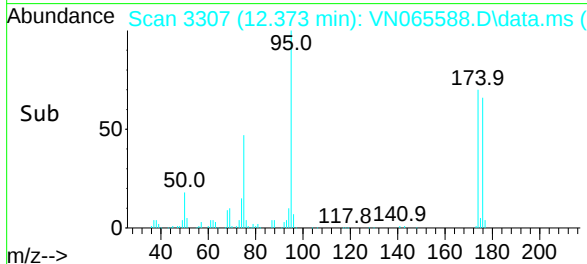
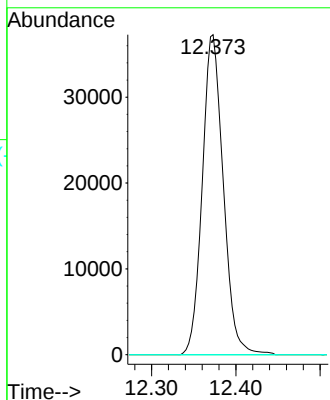
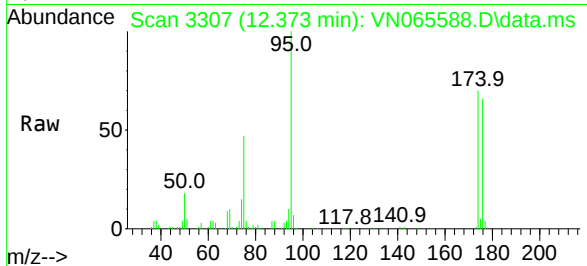




#81
trans-1,4-Dichloro-2-butene
Concen: 60.76 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

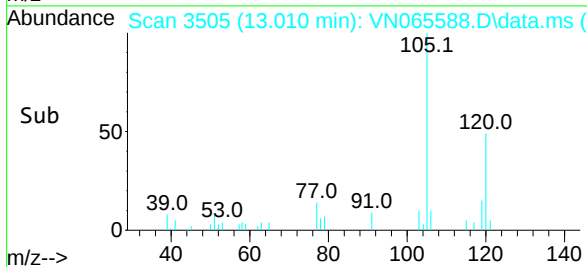
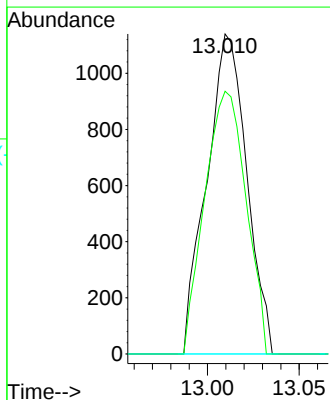
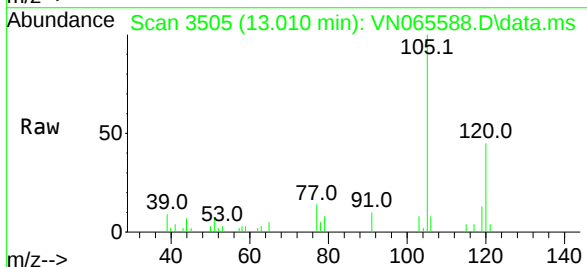
Instrument :
MSVOA_N
ClientSampled :
238

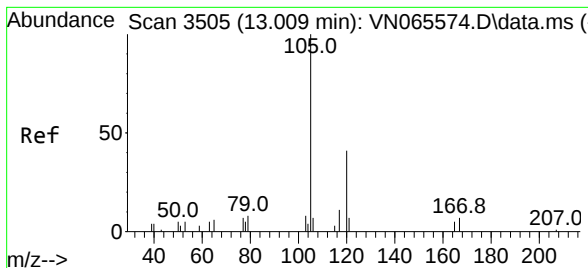
Tgt Ion: 75 Resp: 64733
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#83
tert-Butylbenzene
Concen: 0.27 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. 0.045 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Tgt Ion: 119 Resp: 1730
Ion Ratio Lower Upper
119 100
91 84.9 33.0 98.9
134 0.0 12.7 38.1#

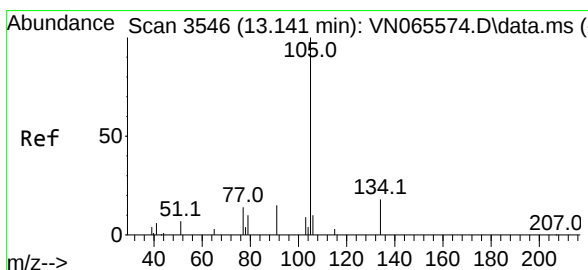
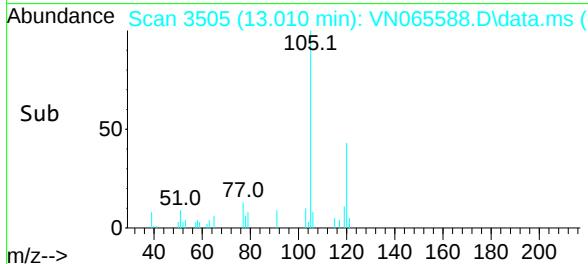
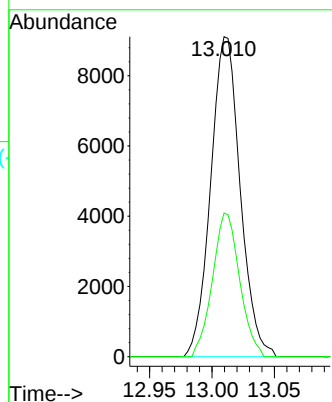
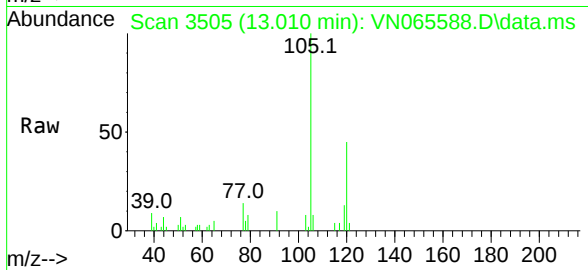




#84
1,2,4-Trimethylbenzene
Concen: 1.93 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

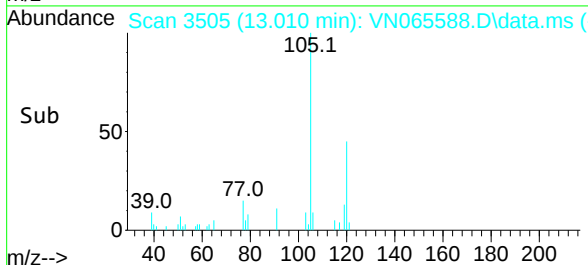
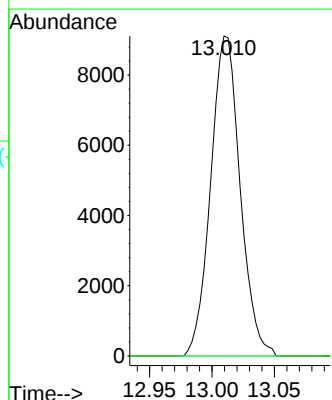
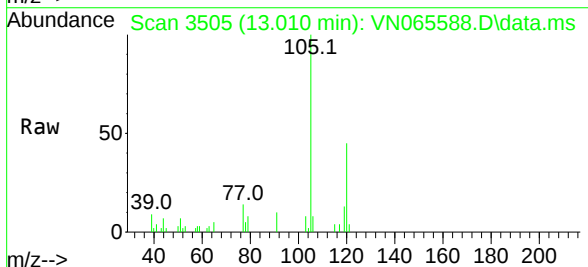
Instrument :
MSVOA_N
ClientSampled :
238

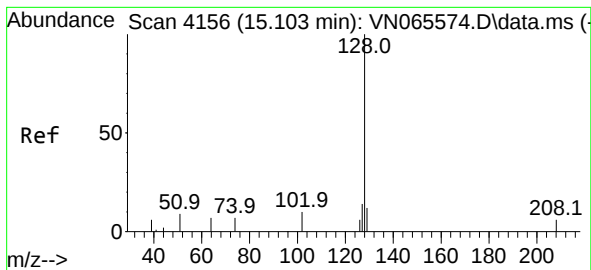
Tgt Ion:105 Resp: 14993
Ion Ratio Lower Upper
105 100
120 41.3 22.4 67.0



#85
sec-Butylbenzene
Concen: 1.71 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.131 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

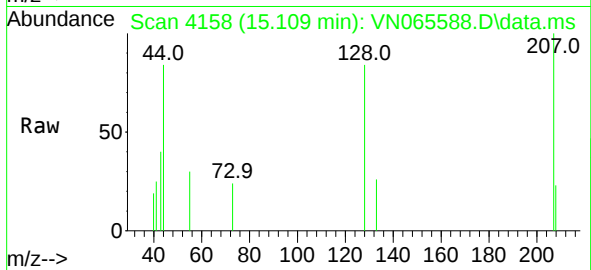
Tgt Ion:105 Resp: 14993
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#





#95
Naphthalene
Concen: 3.65 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.009 min
Lab File: VN065588.D
Acq: 25 Jan 2021 19:48

Instrument :
MSVOA_N
ClientSampleId :
238



Tgt Ion:128 Resp: 1441
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

