

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020521\
 Data File : VN065738.D
 Acq On : 5 Feb 2021 15:17
 Operator : JC/MD
 Sample : M1314-04DL 500X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 40966DL

Quant Time: Feb 05 22:48:31 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)

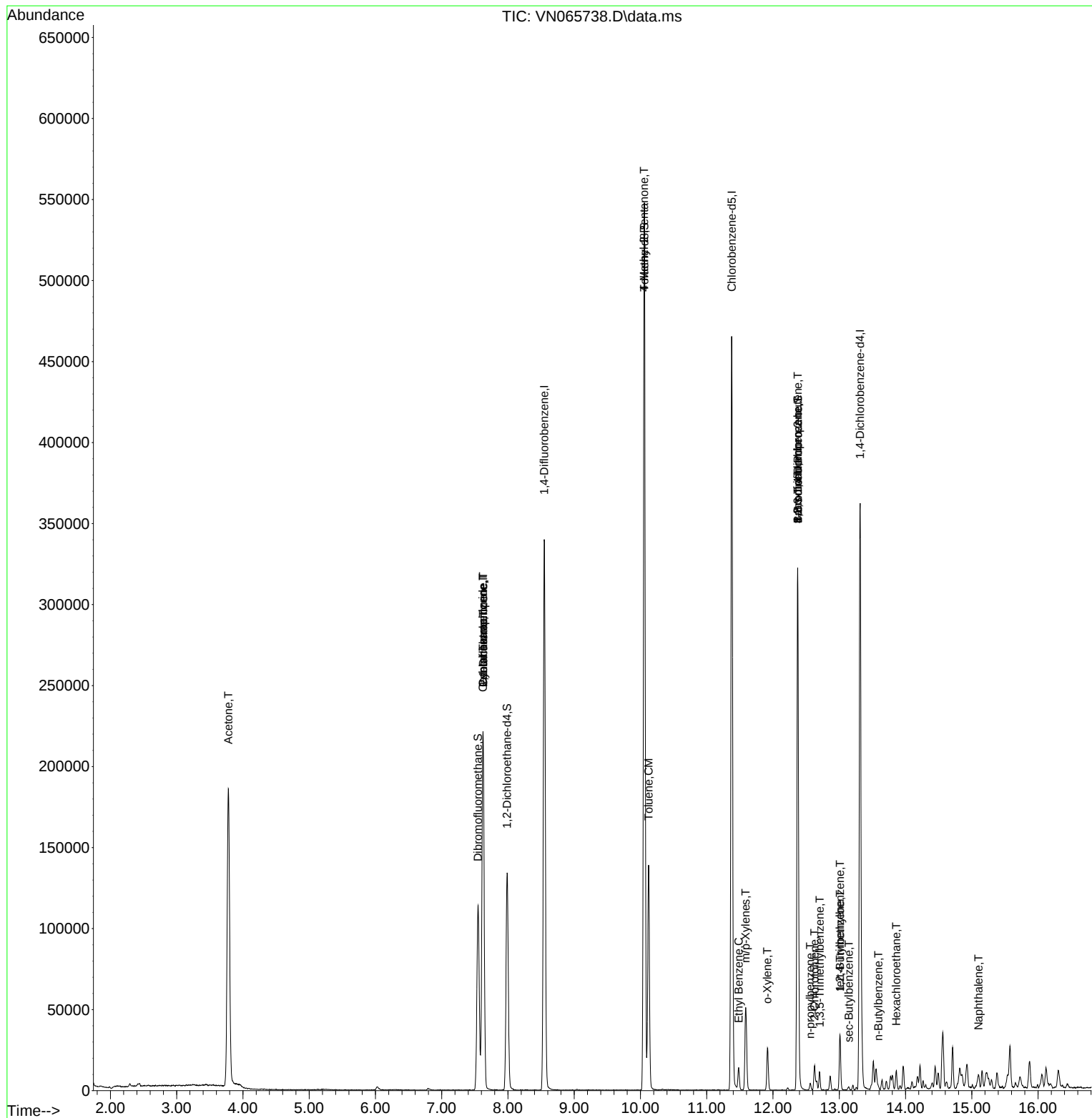
Internal Standards						
1) Pentafluorobenzene	7.624	168	188899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	319878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	285715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	108351	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	111972	45.06	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.12%		
35) Dibromofluoromethane	7.547	113	93134	49.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.26%		
50) Toluene-d8	10.058	98	399118	53.56	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.12%		
62) 4-Bromofluorobenzene	12.373	95	129925	48.42	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.84%		
Target Compounds						
					Qvalue	
16) Acetone	3.779	43	298172	308.20	ug/l	97
31) Cyclohexane	7.624	56	3523	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	14096	4.38	ug/l #	47
38) Carbon Tetrachloride	7.621	117	17972	6.78	ug/l #	17
51) 4-Methyl-2-Pentanone	10.055	43	1537	0.51	ug/l #	1
52) Toluene	10.122	92	61009	10.48	ug/l	99
67) Ethyl Benzene	11.482	91	10501	0.94	ug/l	99
68) m/p-Xylenes	11.588	106	17024	4.19	ug/l	96
69) o-Xylene	11.916	106	7966	2.02	ug/l	99
71) Bromoform	12.373	173	619	0.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	58999	20.82	ug/l #	100
78) n-propylbenzene	12.563	91	4263	0.38	ug/l	95
79) 2-Chlorotoluene	12.627	91	1339	0.20	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.704	105	5742	0.71	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.373	75	58999	53.34	ug/l #	12
83) tert-Butylbenzene	13.010	119	2572	0.38	ug/l #	75
84) 1,2,4-Trimethylbenzene	13.013	105	20756	2.58	ug/l	98
85) sec-Butylbenzene	13.145	105	1911	0.21	ug/l	92
89) n-Butylbenzene	13.588	91	1883	0.26	ug/l #	79
90) Hexachloroethane	13.862	117	715	0.51	ug/l #	12
95) Naphthalene	15.100	128	7827	4.49	ug/l	97

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

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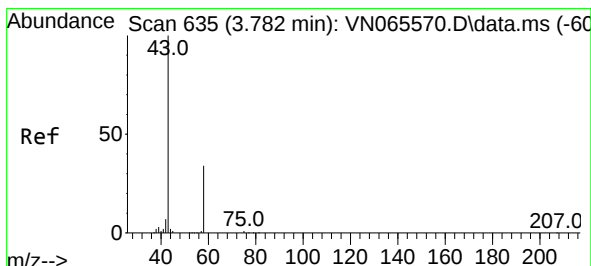
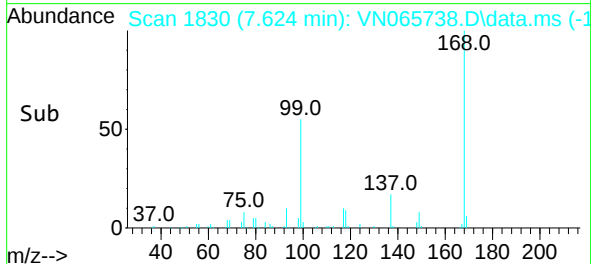
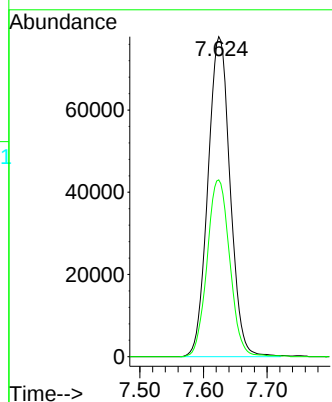
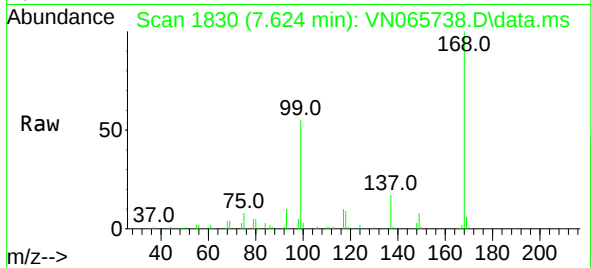




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

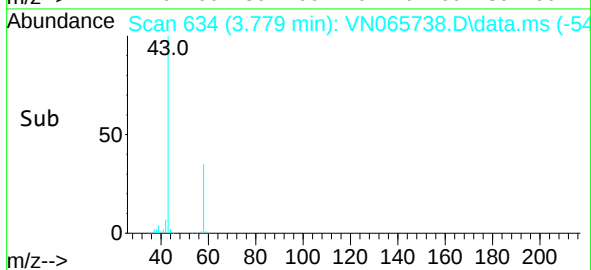
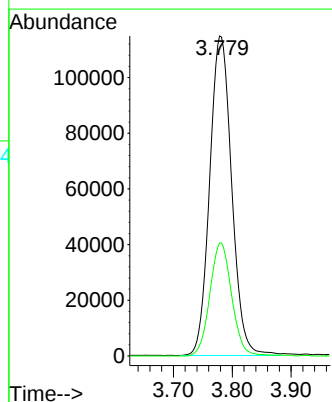
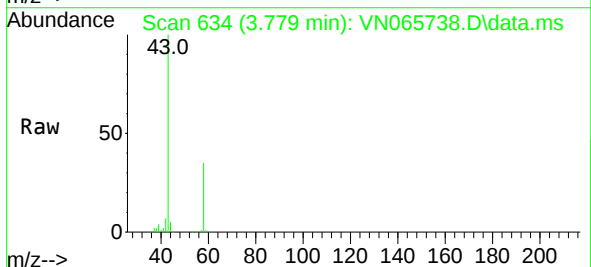
Instrument :
MSVOA_N
ClientSampled :
40966DL

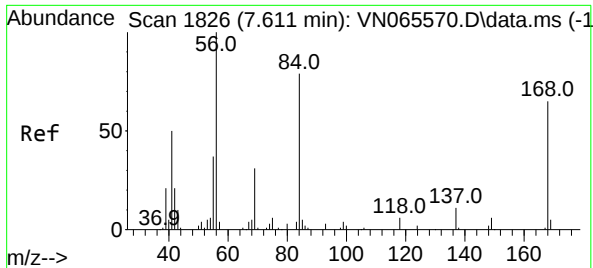
Tgt Ion:168 Resp: 188899
Ion Ratio Lower Upper
168 100
99 55.3 42.6 63.8



#16
Acetone
Concen: 308.20 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.003 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

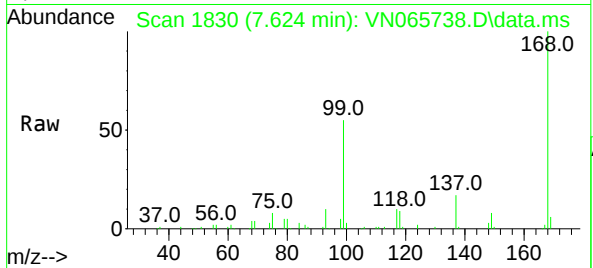
Tgt Ion: 43 Resp: 298172
Ion Ratio Lower Upper
43 100
58 35.4 27.0 40.6



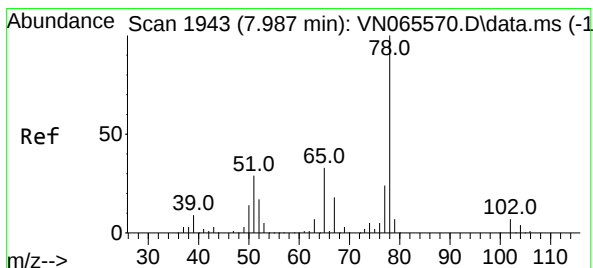
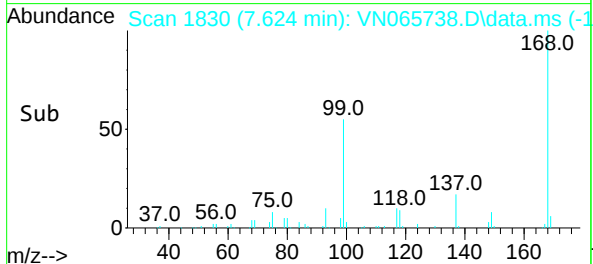
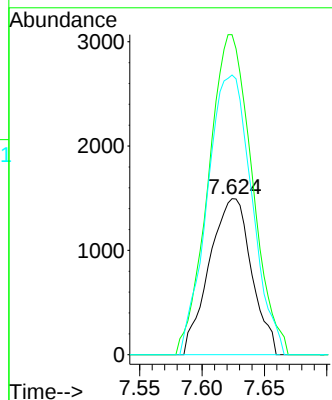


#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Instrument :
MSVOA_N
ClientSampleId :
40966DL

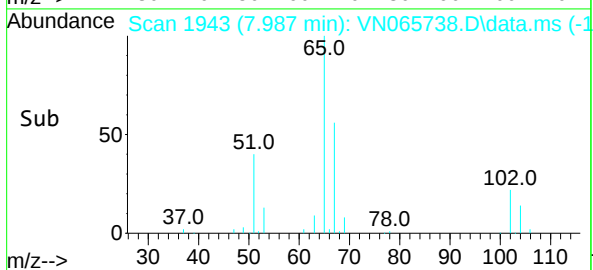
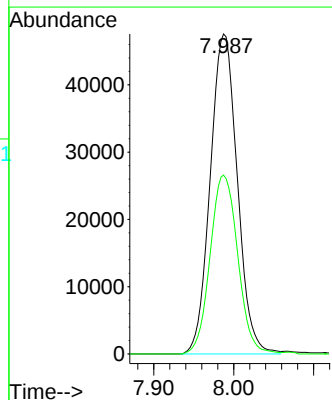
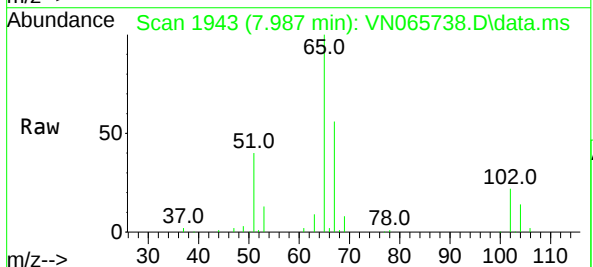


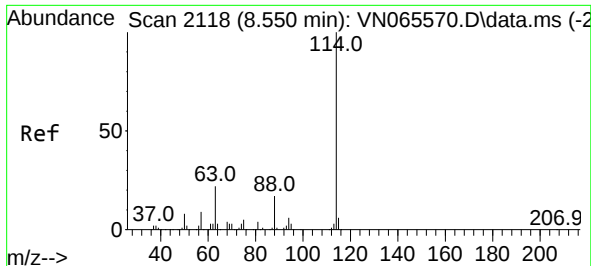
Tgt Ion: 56 Resp: 3523
Ion Ratio Lower Upper
56 100
69 194.9 26.6 39.8#
84 179.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 45.06 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion: 65 Resp: 111972
Ion Ratio Lower Upper
65 100
67 57.0 0.0 107.2

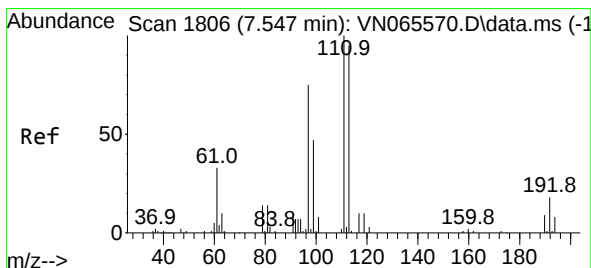
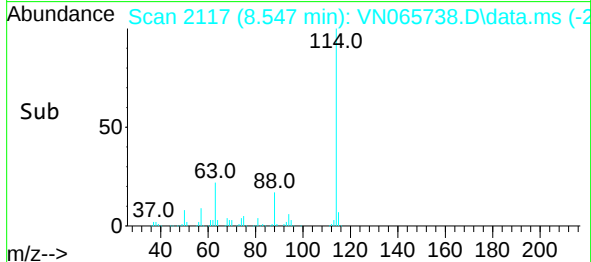
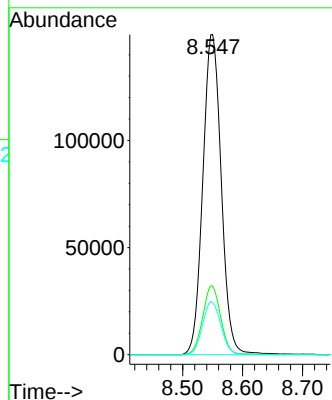
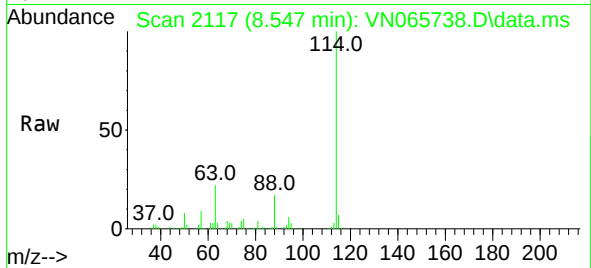




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

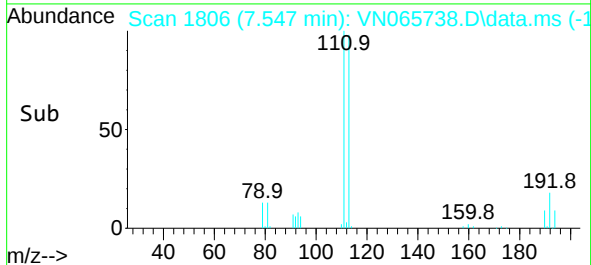
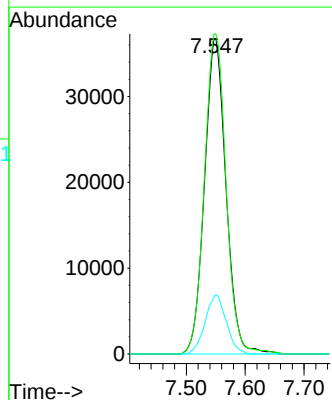
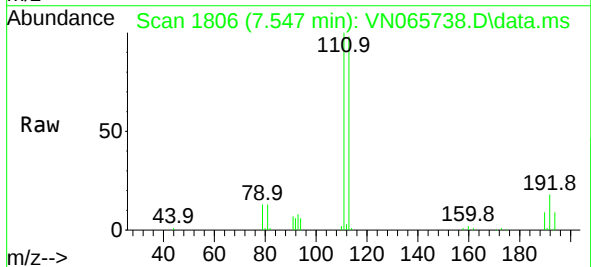
Instrument :
MSVOA_N
ClientSampleId :
40966DL

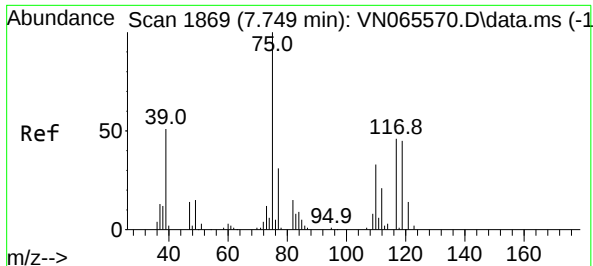
Tgt Ion:114	Resp: 319878
Ion Ratio	Lower Upper
114 100	
63 21.5	0.0 38.6
88 16.6	0.0 30.6



#35
Dibromofluoromethane
Concen: 49.13 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion:113	Resp: 93134
Ion Ratio	Lower Upper
113 100	
111 102.5	82.2 123.2
192 18.3	15.4 23.0

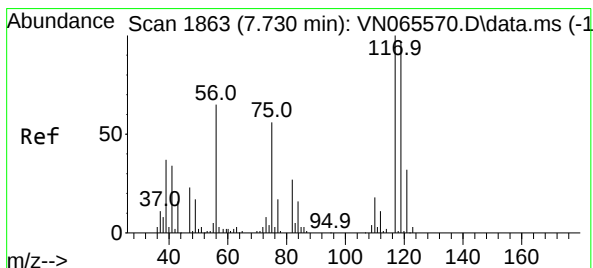
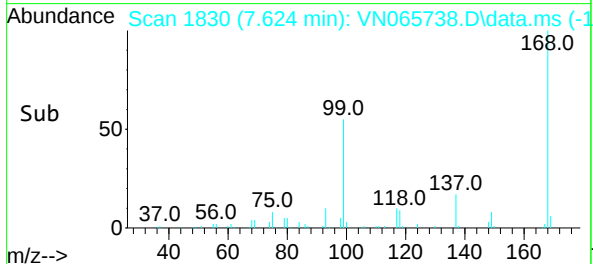
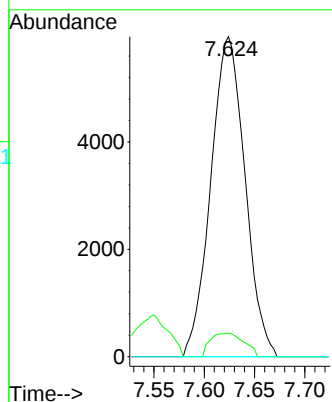
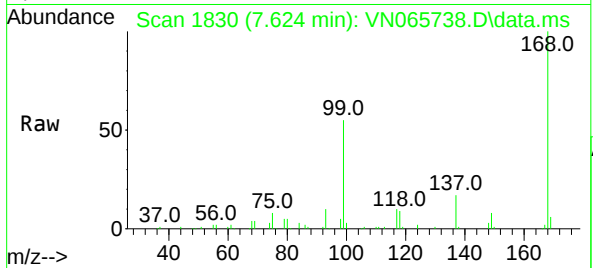




#36
1,1-Dichloropropene
Concen: 4.38 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

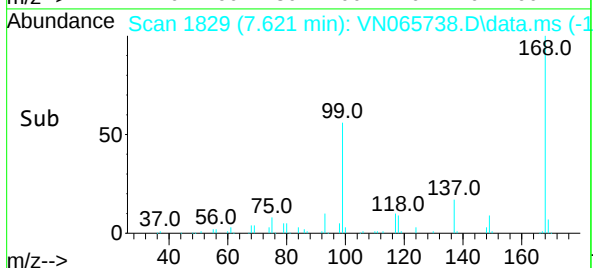
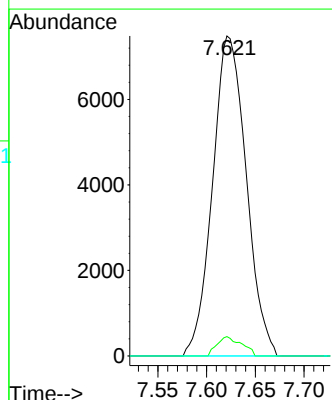
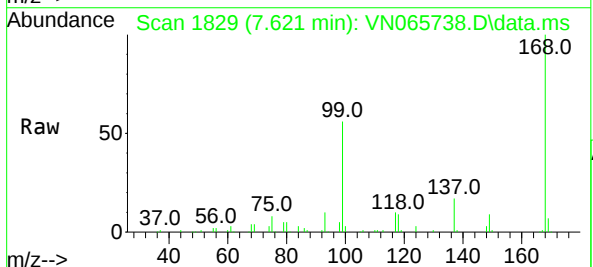
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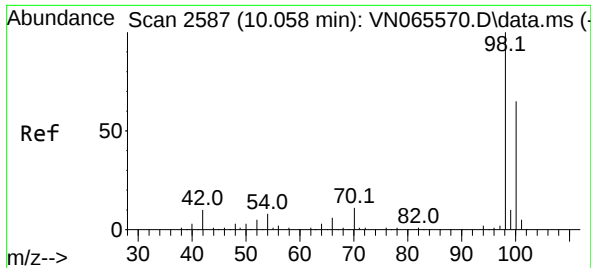
Tgt Ion: 75 Resp: 14096
Ion Ratio Lower Upper
75 100
110 7.2 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.78 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.109 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion: 117 Resp: 17972
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.5 36.7#

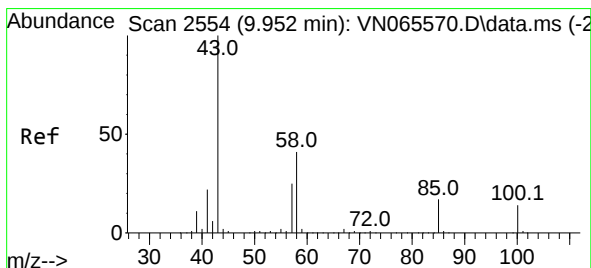
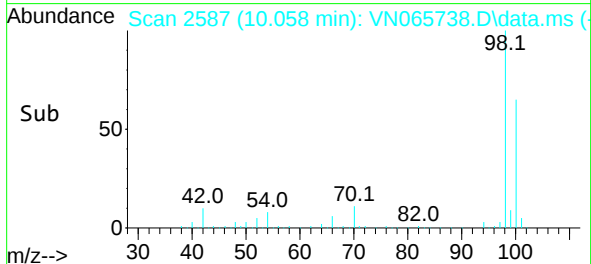
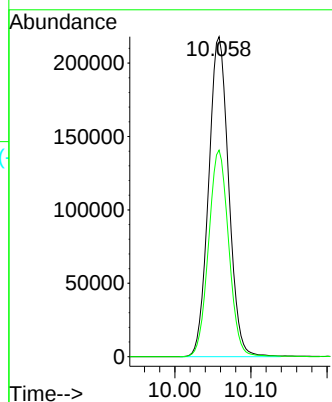
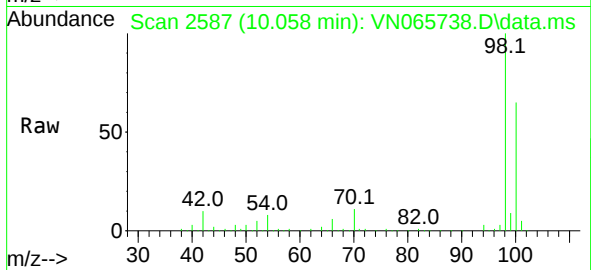




#50
Toluene-d8
Concen: 53.56 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

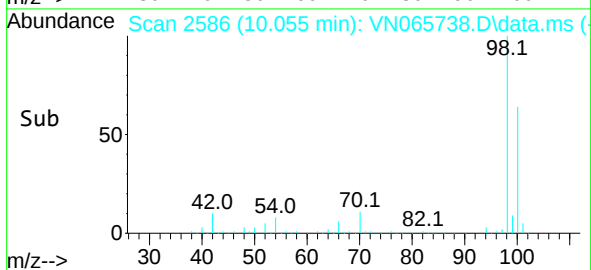
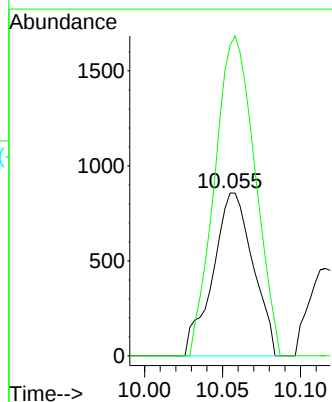
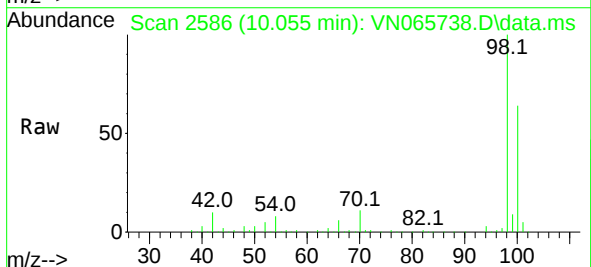
Instrument :
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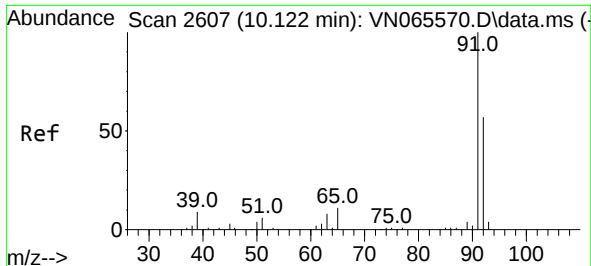
Tgt Ion: 98 Resp: 399118
Ion Ratio Lower Upper
98 100
100 64.9 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. 0.103 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion: 43 Resp: 1537
Ion Ratio Lower Upper
43 100
58 196.5 32.5 48.7#

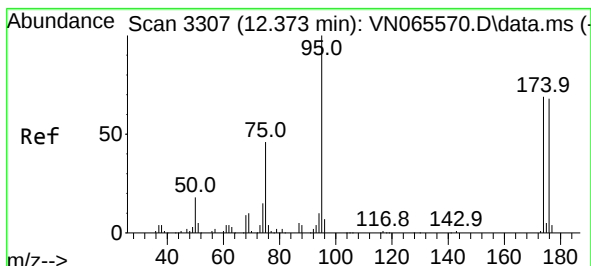
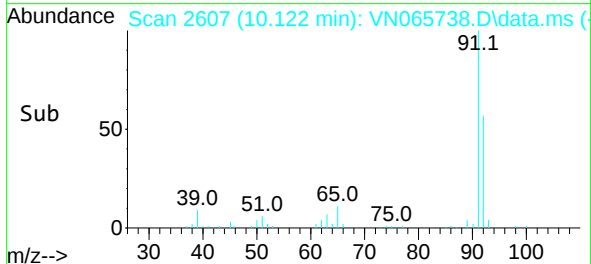
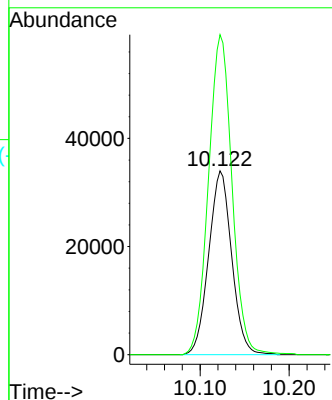
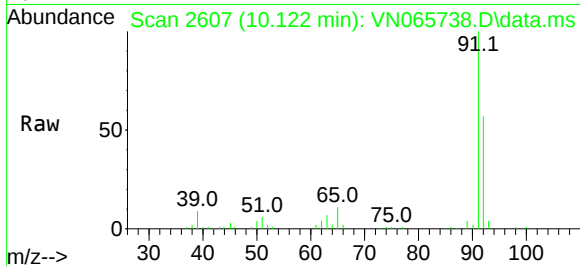




#52
Toluene
Concen: 10.48 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

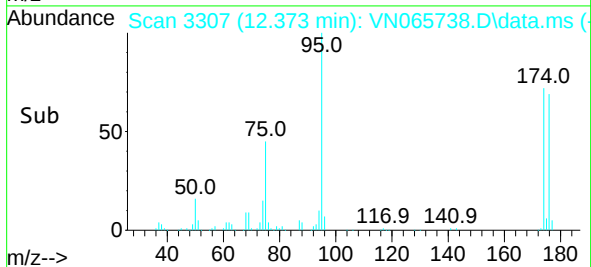
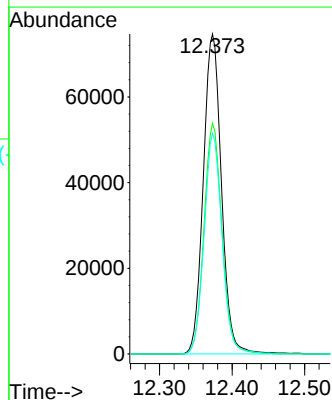
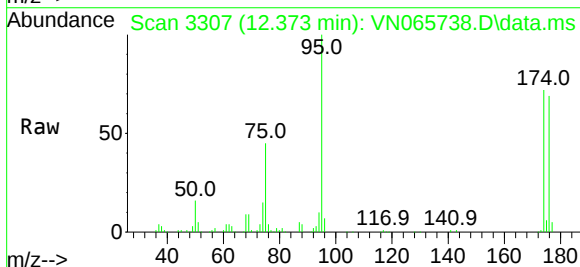
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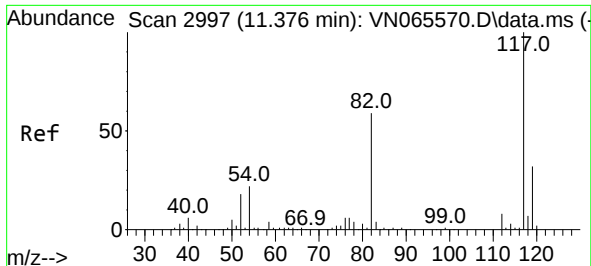
Tgt Ion: 92 Resp: 61009
Ion Ratio Lower Upper
92 100
91 177.8 140.7 211.1



#62
4-Bromofluorobenzene
Concen: 48.42 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion: 95 Resp: 129925
Ion Ratio Lower Upper
95 100
174 71.7 0.0 169.0
176 68.0 0.0 162.4

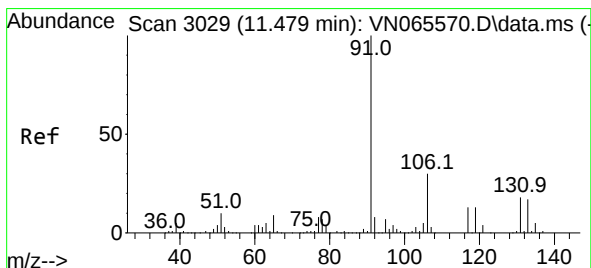
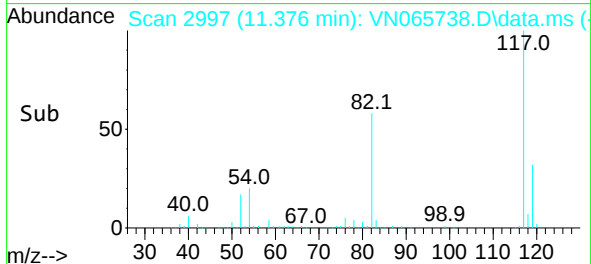
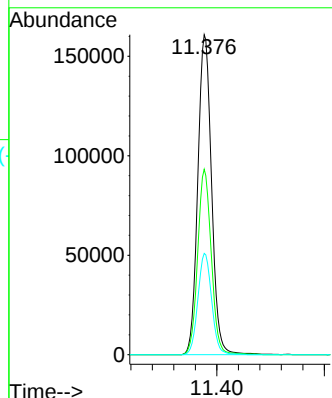
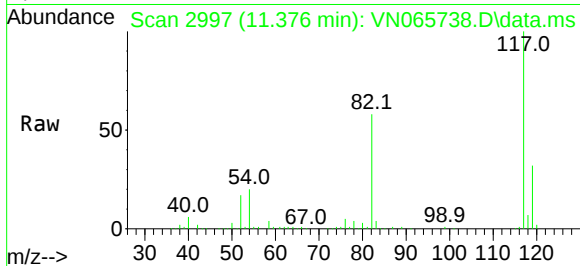




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

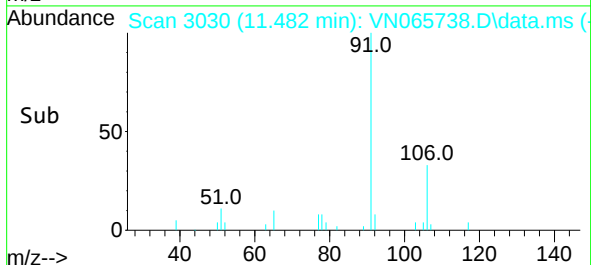
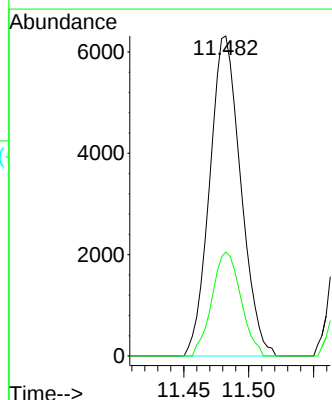
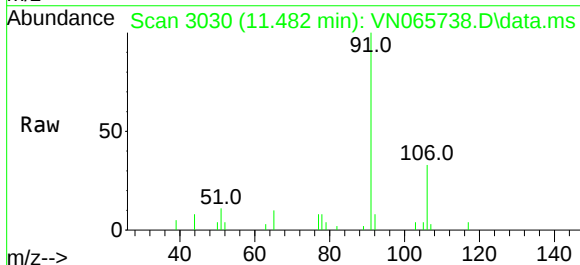
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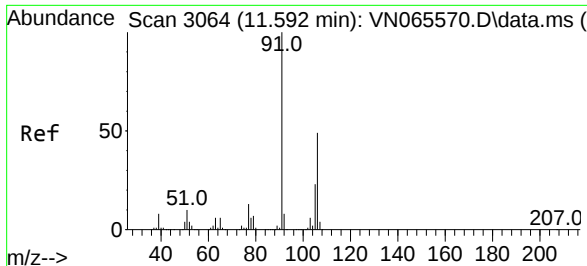
Tgt Ion:117 Resp: 285715
Ion Ratio Lower Upper
117 100
82 58.0 43.7 65.5
119 31.7 26.1 39.1



#67
Ethyl Benzene
Concen: 0.94 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion: 91 Resp: 10501
Ion Ratio Lower Upper
91 100
106 32.5 25.5 38.3

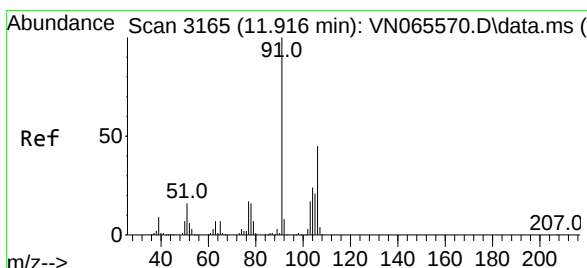
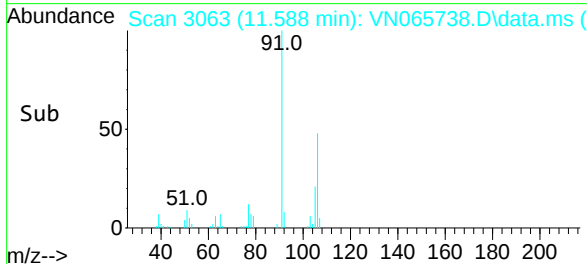
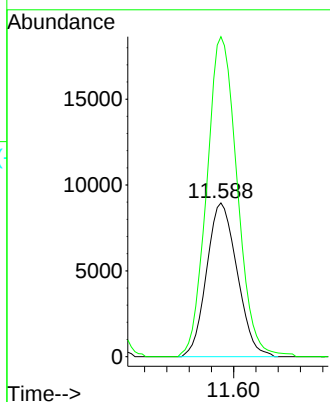
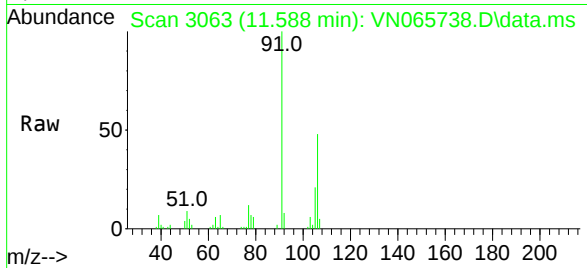




#68
m/p-Xylenes
Concen: 4.19 ug/l
RT: 11.588 min Scan# 3063
Delta R.T. -0.004 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

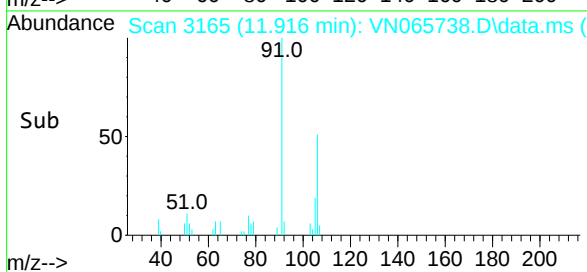
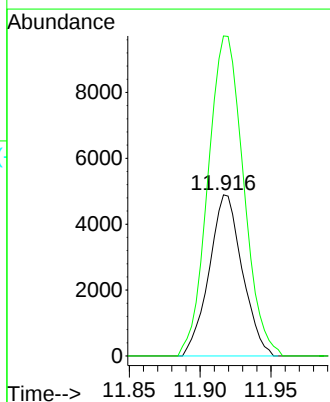
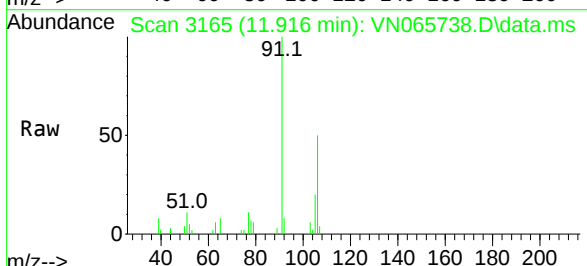
Instrument :
MSVOA_N
ClientSampled :
40966DL

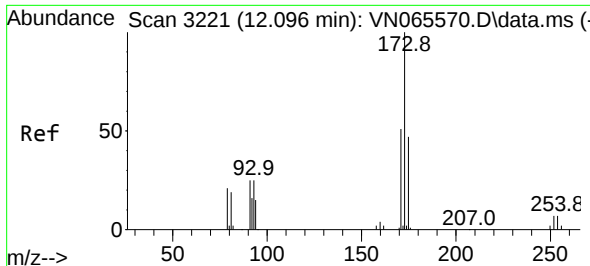
Tgt Ion:106 Resp: 17024
Ion Ratio Lower Upper
106 100
91 207.8 161.4 242.0



#69
o-Xylene
Concen: 2.02 ug/l
RT: 11.916 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

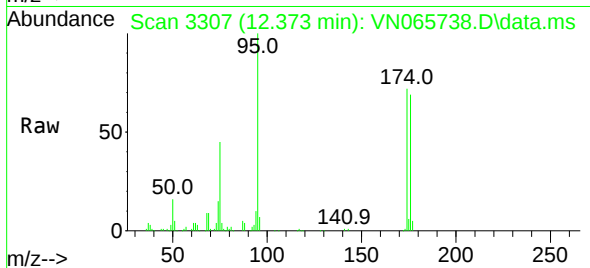
Tgt Ion:106 Resp: 7966
Ion Ratio Lower Upper
106 100
91 212.7 106.8 320.4



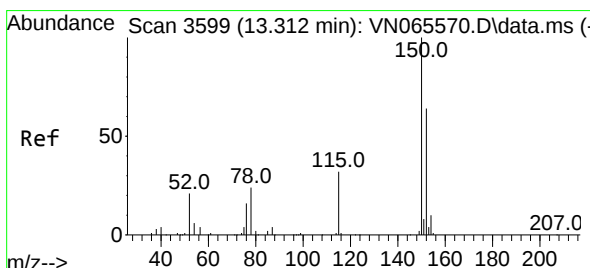
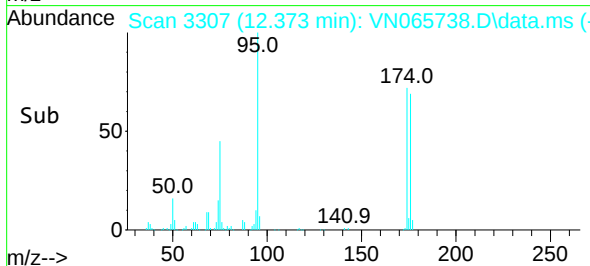
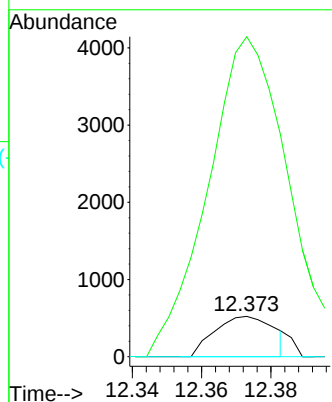


#71
Bromoform
Concen: 0.42 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.277 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Instrument :
MSVOA_N
ClientSampleId :
40966DL

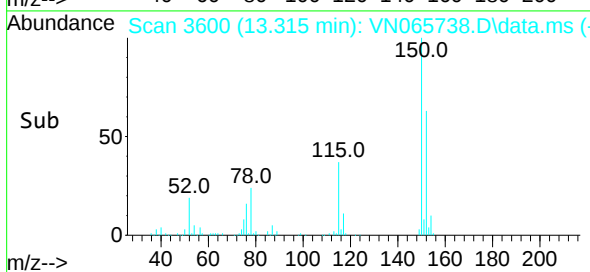
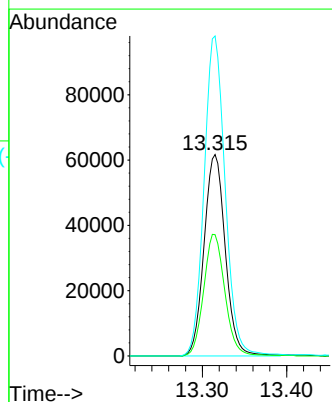
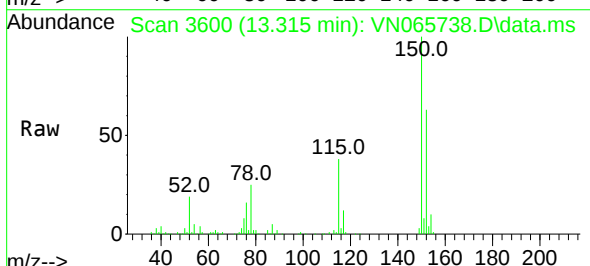


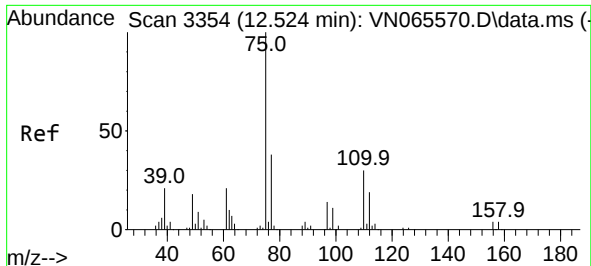
Tgt Ion:173 Resp: 619
Ion Ratio Lower Upper
173 100
175 901.5 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion:152 Resp: 108351
Ion Ratio Lower Upper
152 100
115 60.1 28.5 85.6
150 157.9 0.0 347.6

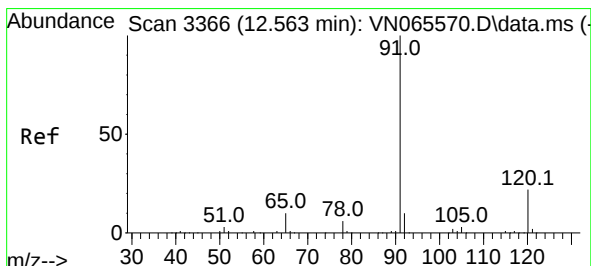
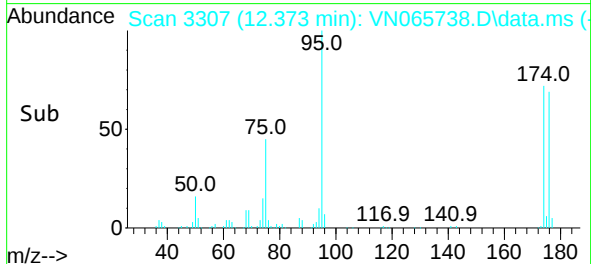
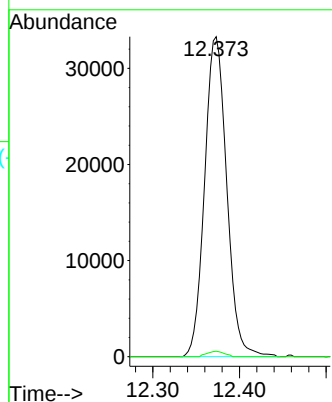
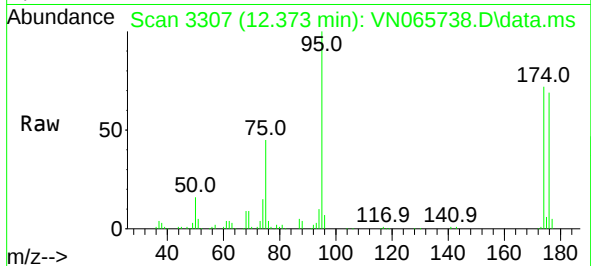




#76
1,2,3-Trichloropropane
Concen: 20.82 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

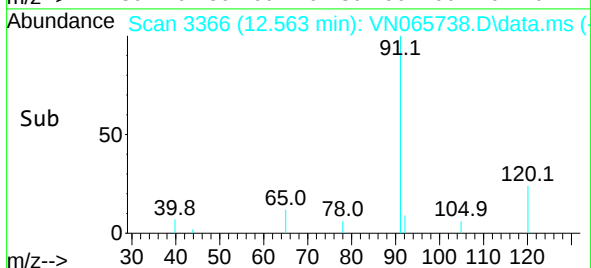
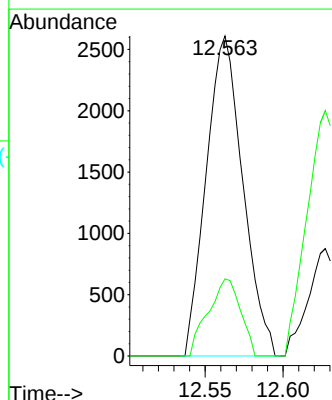
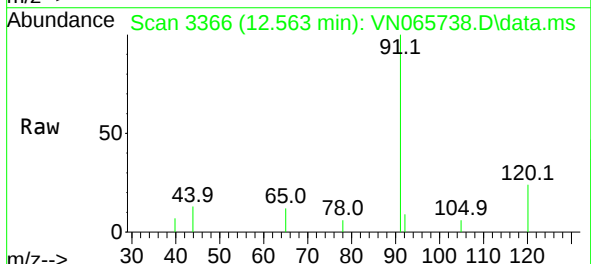
Instrument :
MSVOA_N
ClientSampleId :
40966DL

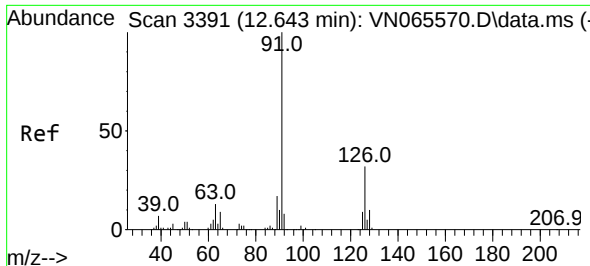
Tgt Ion: 75 Resp: 58999
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#78
n-propylbenzene
Concen: 0.38 ug/l
RT: 12.563 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion: 91 Resp: 4263
Ion Ratio Lower Upper
91 100
120 21.3 11.8 35.3

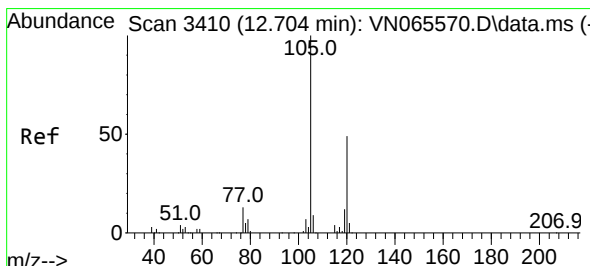
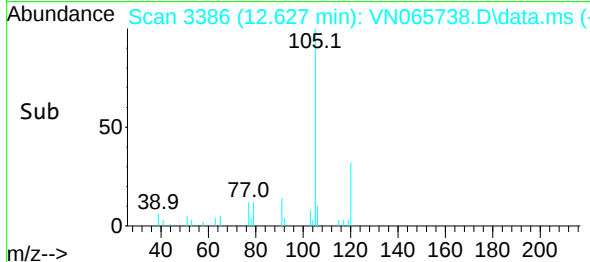
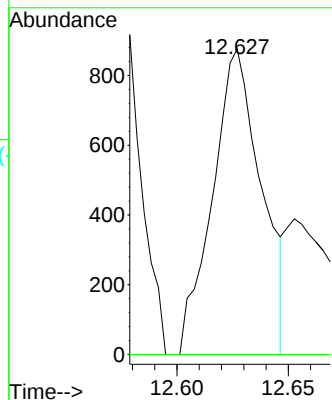
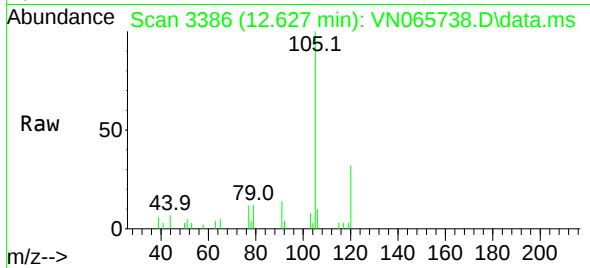




#79
2-Chlorotoluene
Concen: 0.20 ug/l
RT: 12.627 min Scan# 3386
Delta R.T. -0.016 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

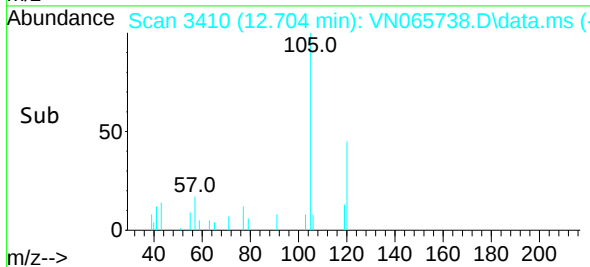
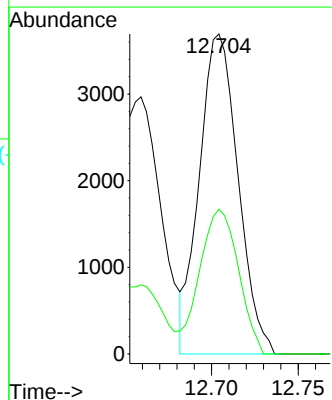
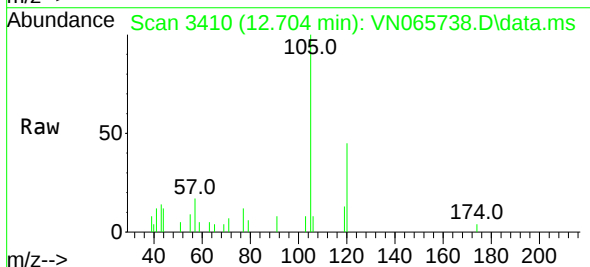
Instrument :
MSVOA_N
ClientSampleId :
40966DL

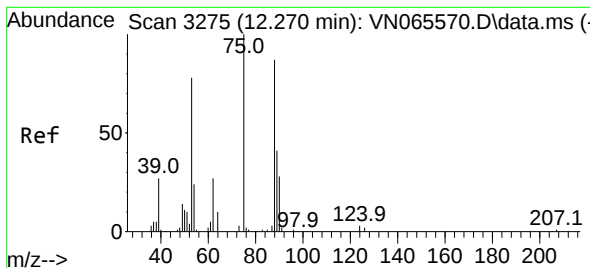
Tgt Ion: 91 Resp: 1339
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.71 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion: 105 Resp: 5742
Ion Ratio Lower Upper
105 100
120 45.9 24.3 72.8

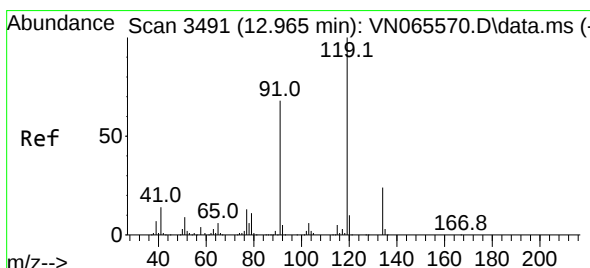
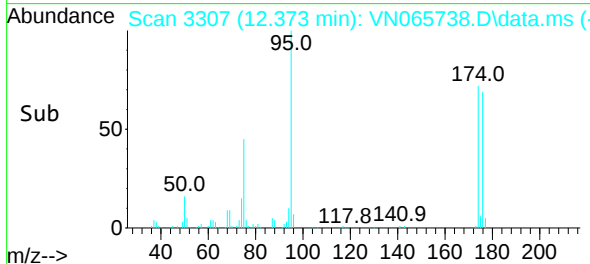
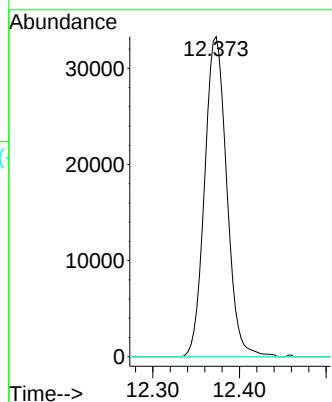
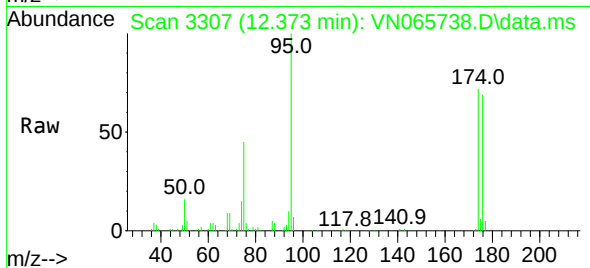




#81
trans-1,4-Dichloro-2-butene
Concen: 53.34 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

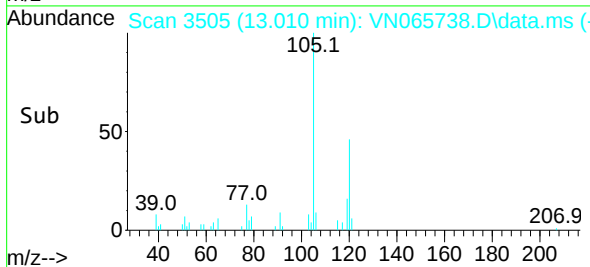
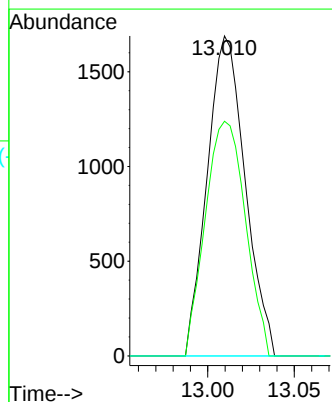
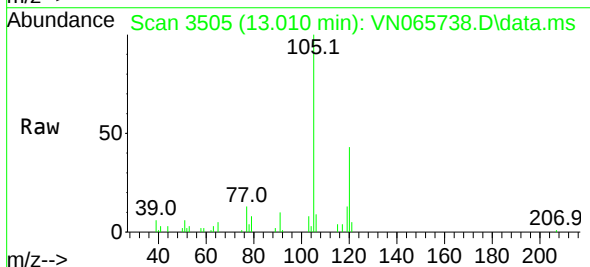
Instrument :
MSVOA_N
ClientSampleId :
40966DL

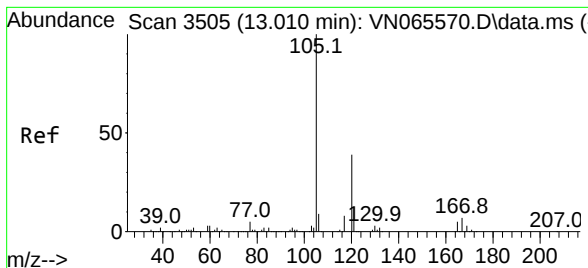
Tgt Ion: 75 Resp: 58999
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#83
tert-Butylbenzene
Concen: 0.38 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. 0.045 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Tgt Ion: 119 Resp: 2572
Ion Ratio Lower Upper
119 100
91 77.5 33.0 98.9
134 0.0 12.7 38.1#





#84

1,2,4-Trimethylbenzene

Concen: 2.58 ug/l

RT: 13.013 min Scan# 3506

Delta R.T. 0.003 min

Lab File: VN065738.D

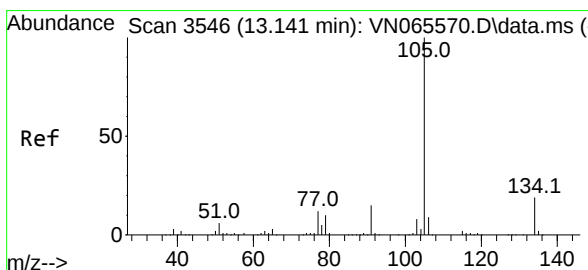
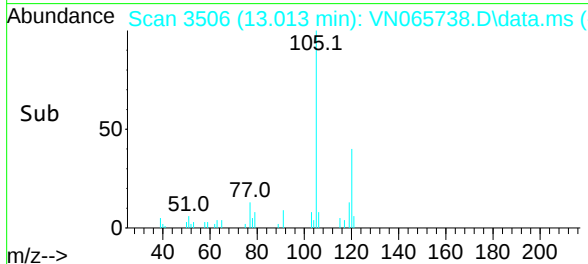
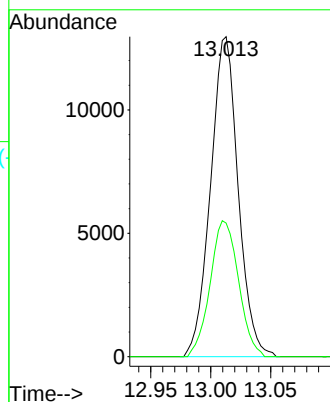
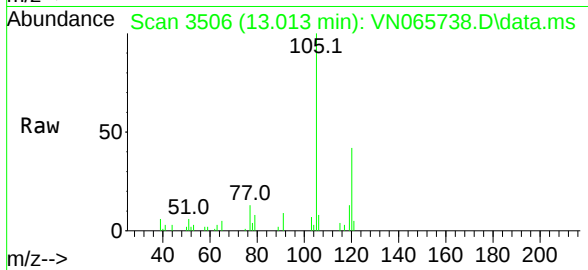
Acq: 5 Feb 2021 15:17

Tgt Ion:105 Resp: 20756

Ion Ratio Lower Upper

105 100

120 43.7 22.4 67.0



#85

sec-Butylbenzene

Concen: 0.21 ug/l

RT: 13.145 min Scan# 3547

Delta R.T. 0.004 min

Lab File: VN065738.D

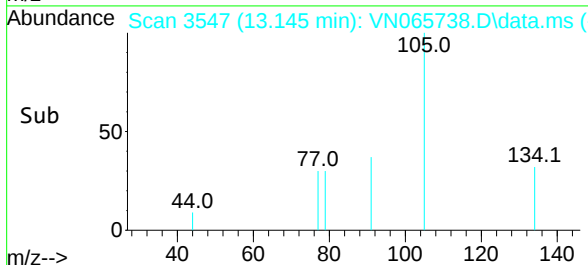
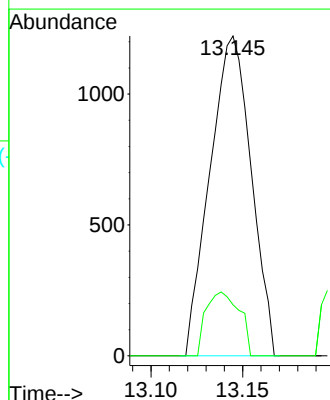
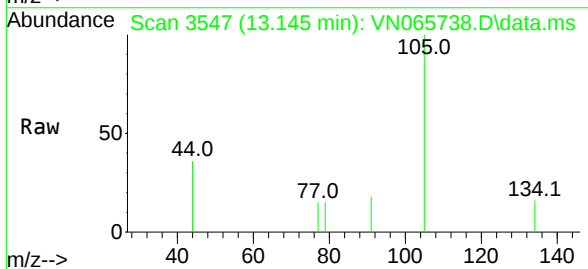
Acq: 5 Feb 2021 15:17

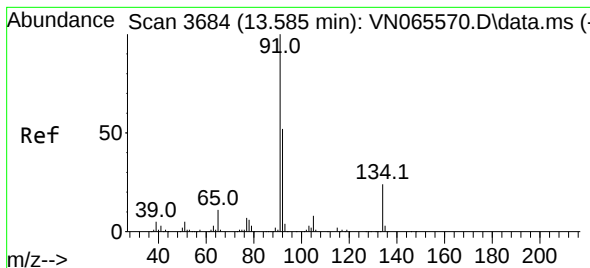
Tgt Ion:105 Resp: 1911

Ion Ratio Lower Upper

105 100

134 16.1 10.0 30.0





#89

n-Butylbenzene

Concen: 0.26 ug/l

RT: 13.588 min Scan# 3685

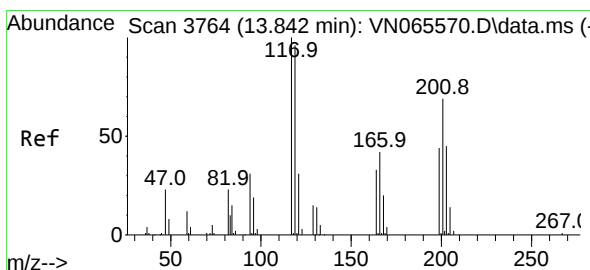
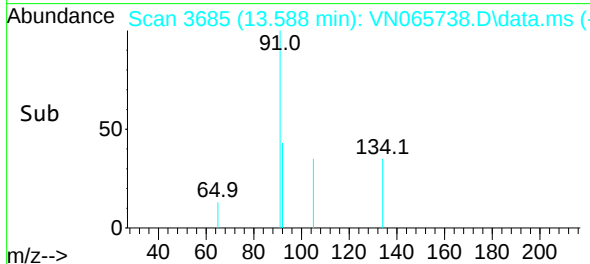
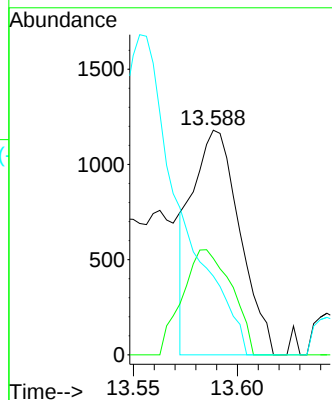
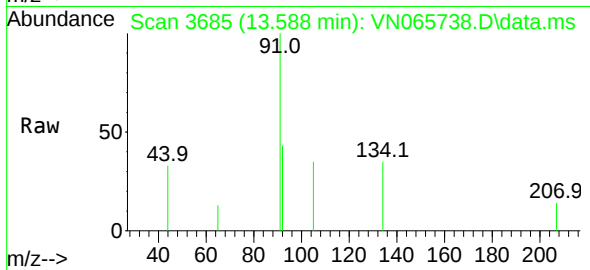
Delta R.T. 0.003 min

Lab File: VN065738.D

Acq: 5 Feb 2021 15:17

Tgt Ion:	91	Resp:	1883
Ion	Ratio	Lower	Upper
91	100		
92	48.3	26.1	78.3
134	0.0	13.0	38.9#

Instrument :
MSVOA_N
ClientSampleId :
40966DL



#90

Hexachloroethane

Concen: 0.51 ug/l

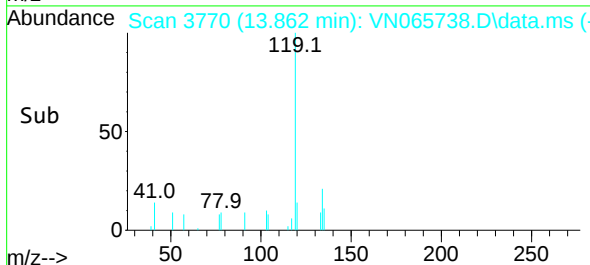
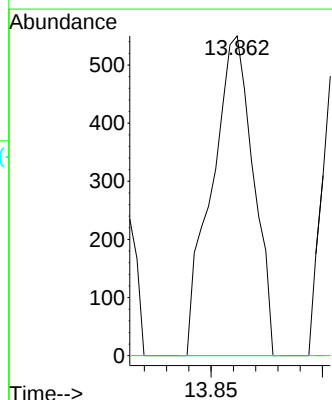
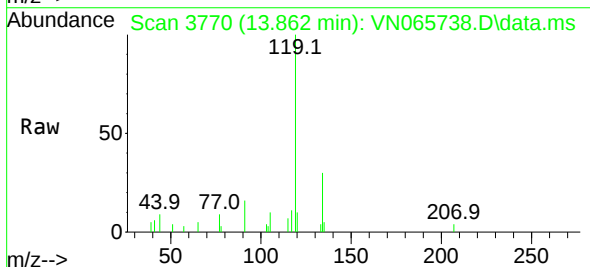
RT: 13.862 min Scan# 3770

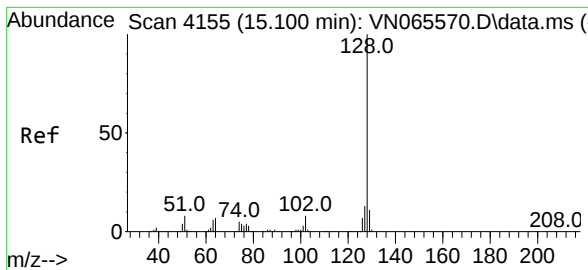
Delta R.T. 0.020 min

Lab File: VN065738.D

Acq: 5 Feb 2021 15:17

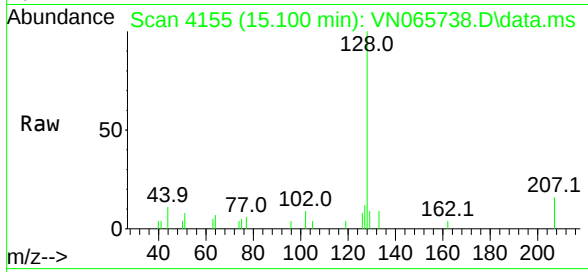
Tgt Ion:	117	Resp:	715
Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.8	113.3#





#95
Naphthalene
Concen: 4.49 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.000 min
Lab File: VN065738.D
Acq: 5 Feb 2021 15:17

Instrument :
MSVOA_N
ClientSampleId :
40966DL



Tgt Ion:	128	Resp:	7827
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.2	15.2
129	10.1	8.6	13.0

