

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020321\
 Data File : VN065705.D
 Acq On : 3 Feb 2021 17:26
 Operator : JC/MD
 Sample : M1278-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 149TH-ST-GW-1

Quant Time: Feb 04 04:20:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

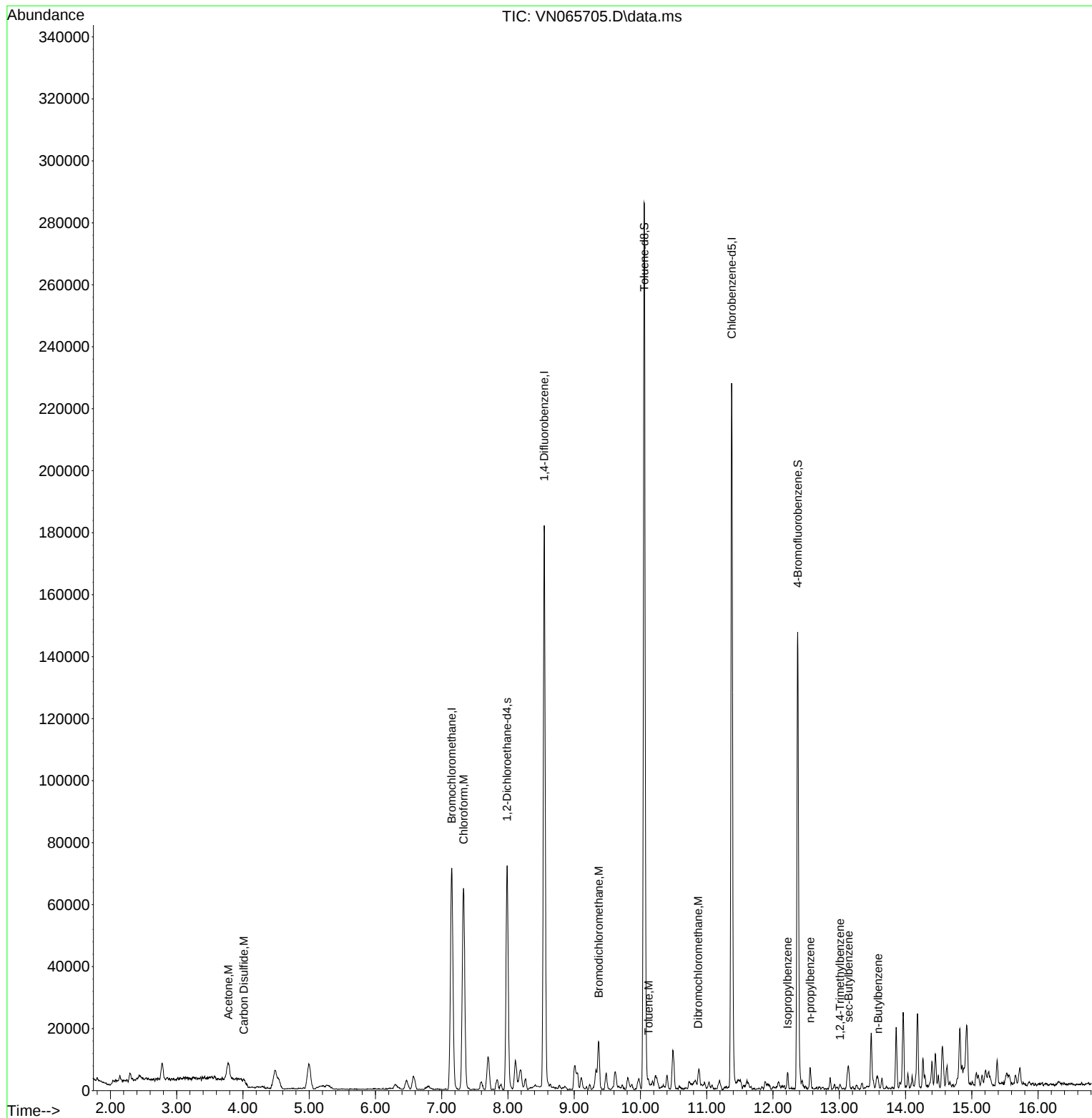
Internal Standards						
1) Bromochloromethane	7.152	128	28844	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	162857	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	137615	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	60312	30.15	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.50%			
60) 4-Bromofluorobenzene	12.373	95	62262	27.81	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.70%			
63) Toluene-d8	10.058	98	203118	30.70	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.33%			
Target Compounds						
15) Acetone	3.779	58	2773	9.98	ug/l	Qvalue 90
16) Carbon Disulfide	4.013	76	3075	0.58	ug/l #	90
25) Chloroform	7.332	83	70967	21.95	ug/l	100
41) Bromodichloromethane	9.370	83	12177	4.81	ug/l #	96
53) Dibromochloromethane	10.872	129	1978	1.07	ug/l	96
62) Toluene	10.122	91	1824	0.23	ug/l #	83
70) Isopropylbenzene	12.222	105	3967	0.49	ug/l	95
74) n-propylbenzene	12.563	91	6537	0.70	ug/l	90
80) 1,2,4-Trimethylbenzene	13.013	105	1374	0.20	ug/l	92
81) sec-Butylbenzene	13.142	105	4998	0.67	ug/l	97
85) n-Butylbenzene	13.585	91	2881	0.50	ug/l	82

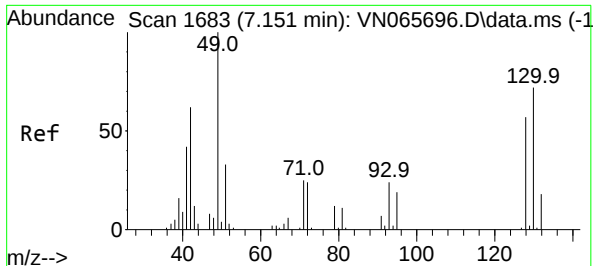
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
149TH-ST-GW-1

Quant Time: Feb 04 04:20:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 03 14:50:04 2021
Response via : Initial Calibration

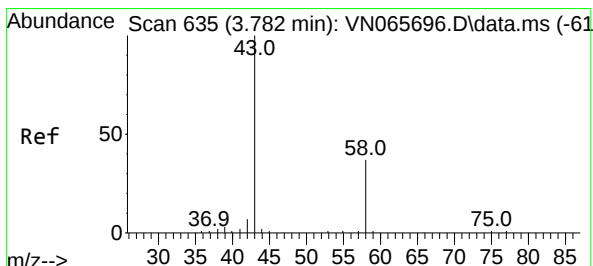
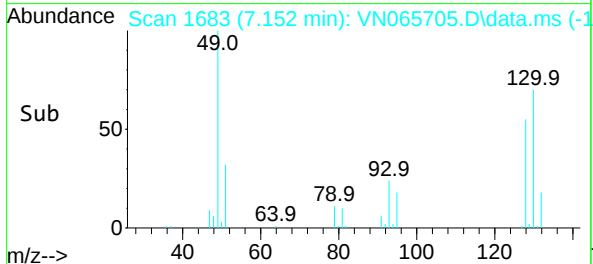
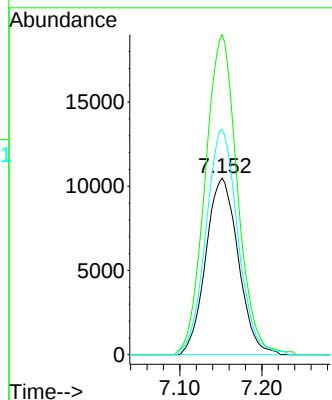
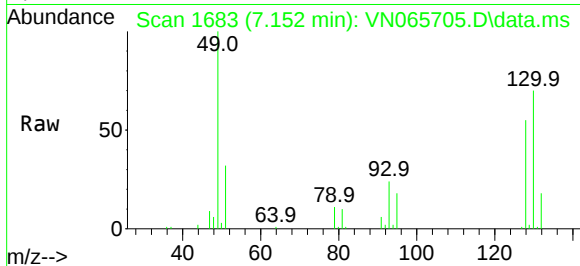




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.152 min Scan# 1683
Delta R.T. 0.001 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

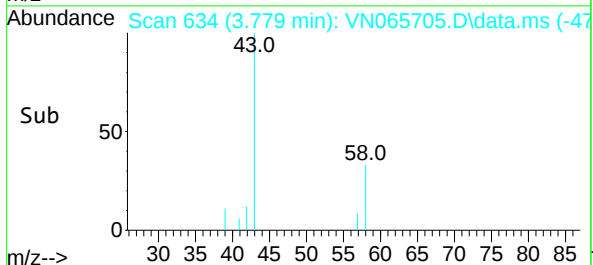
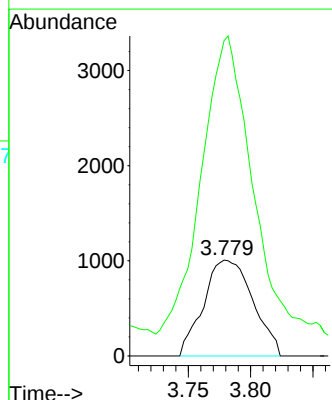
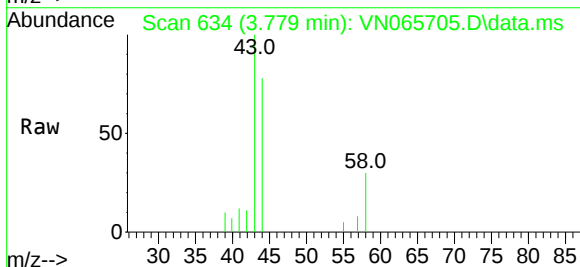
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

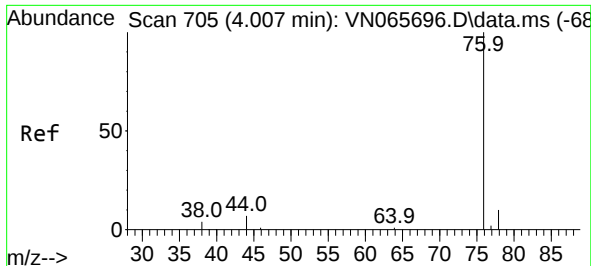
Tgt Ion:128 Resp: 28844
Ion Ratio Lower Upper
128 100
49 179.5 0.0 355.0
130 126.0 0.0 325.5



#15
Acetone
Concen: 9.98 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.003 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

Tgt Ion: 58 Resp: 2773
Ion Ratio Lower Upper
58 100
43 271.1 203.4 305.0

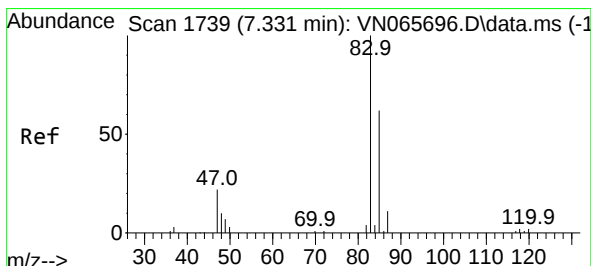
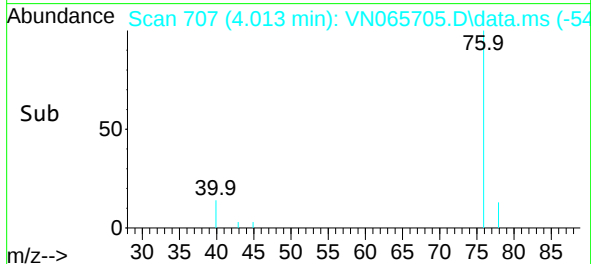
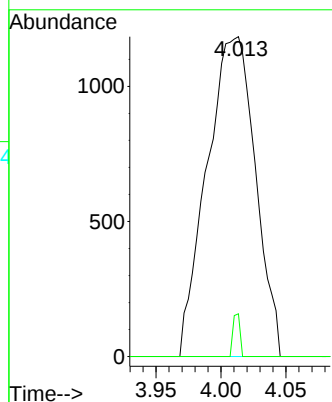
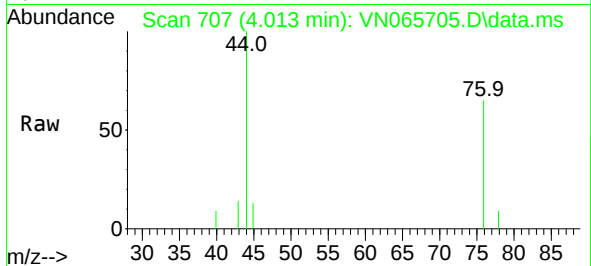




#16
Carbon Disulfide
Concen: 0.58 ug/l
RT: 4.013 min Scan# 707
Delta R.T. 0.007 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

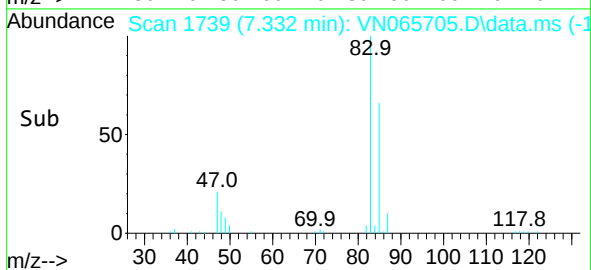
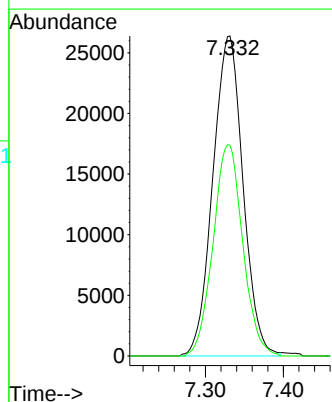
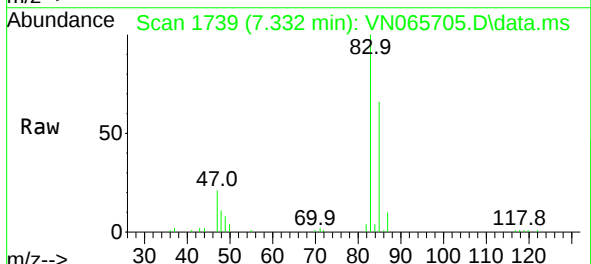
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

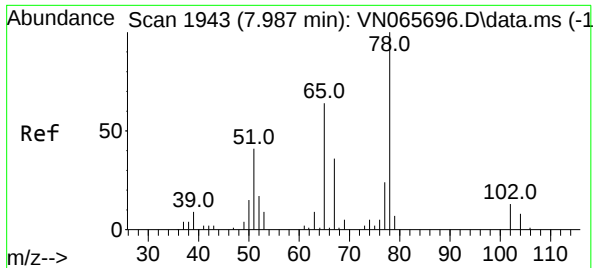
Tgt Ion: 76 Resp: 3075
Ion Ratio Lower Upper
76 100
78 13.3 7.8 11.8#



#25
Chloroform
Concen: 21.95 ug/l
RT: 7.332 min Scan# 1739
Delta R.T. 0.000 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

Tgt Ion: 83 Resp: 70967
Ion Ratio Lower Upper
83 100
85 65.9 53.0 79.4





#27

1,2-Dichloroethane-d4

Concen: 30.15 ug/l

RT: 7.987 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN065705.D

Acq: 3 Feb 2021 17:26

Tgt Ion: 65 Resp: 60312

Ion Ratio Lower Upper

65 100

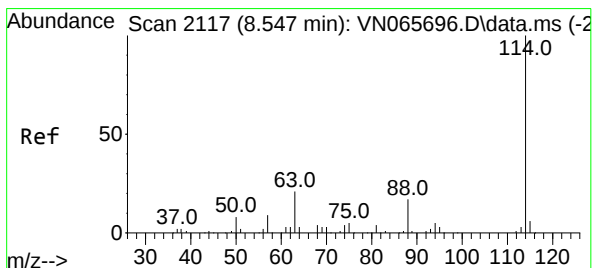
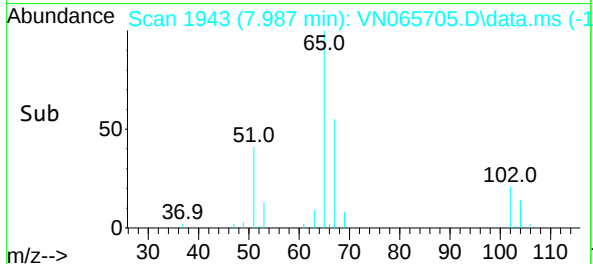
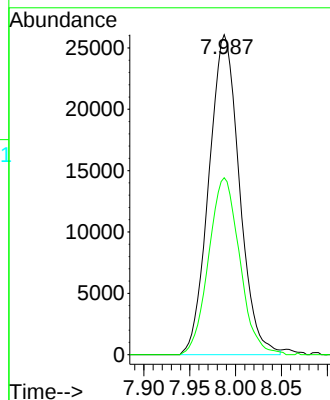
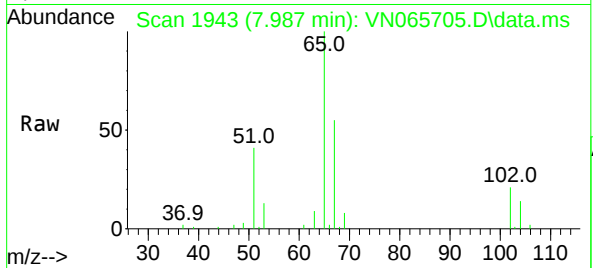
67 56.3 42.8 64.2

Instrument :

MSVOA_N

ClientSampleId :

149TH-ST-GW-1



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.547 min Scan# 2117

Delta R.T. 0.000 min

Lab File: VN065705.D

Acq: 3 Feb 2021 17:26

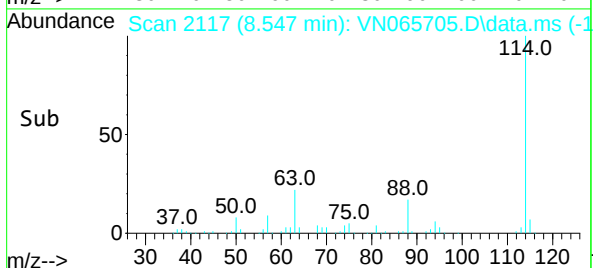
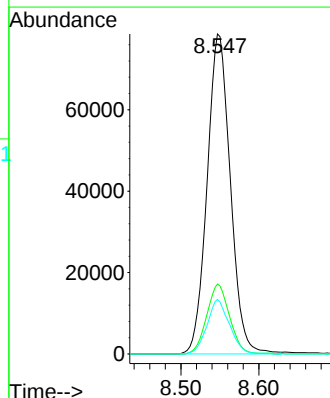
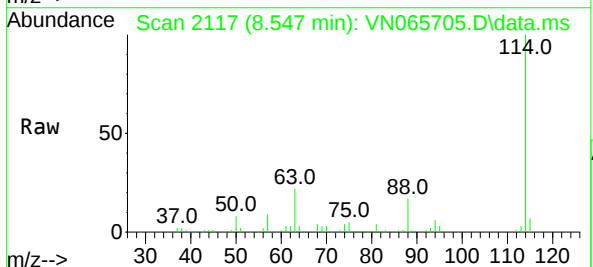
Tgt Ion: 114 Resp: 162857

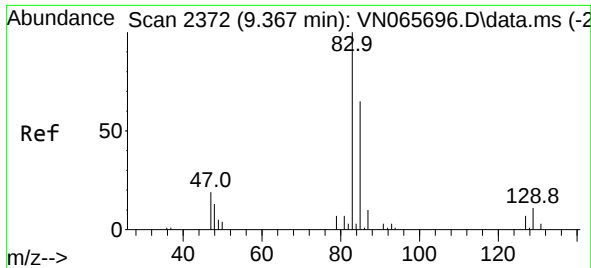
Ion Ratio Lower Upper

114 100

63 21.4 14.7 22.1

88 16.4 11.7 17.5

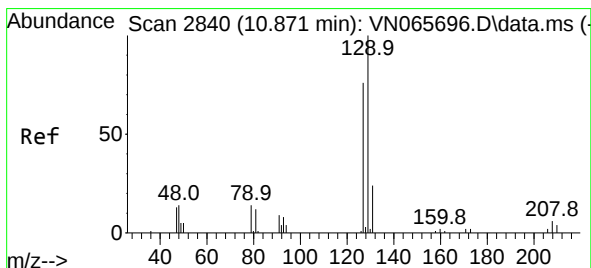
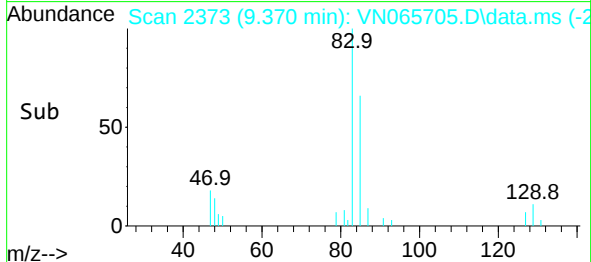
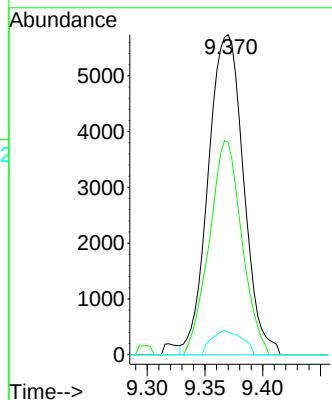
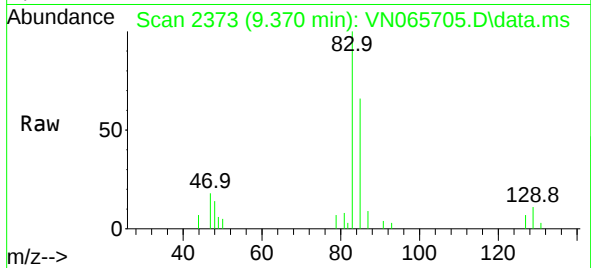




#41
Bromodichloromethane
Concen: 4.81 ug/l
RT: 9.370 min Scan# 2373
Delta R.T. 0.004 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

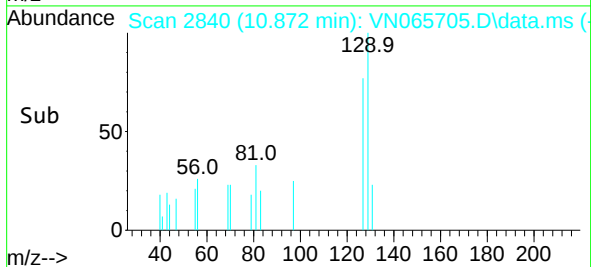
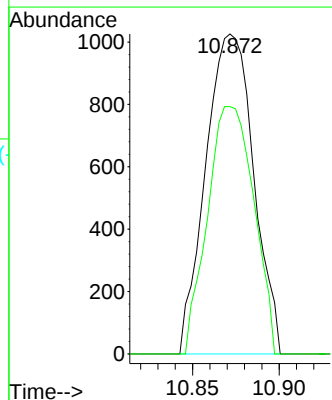
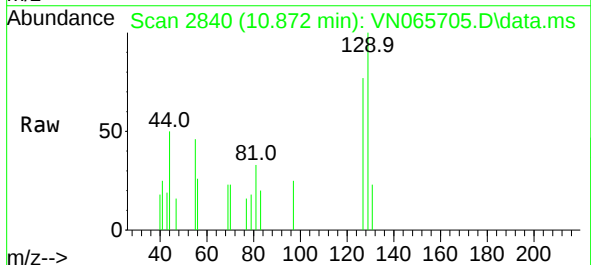
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

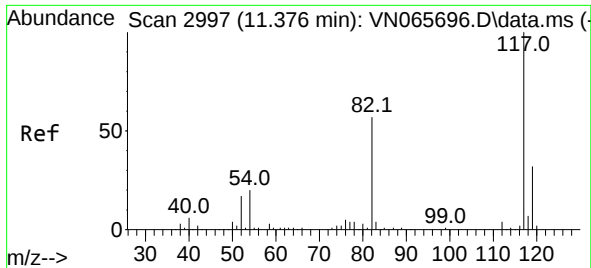
Tgt Ion: 83 Resp: 12177
Ion Ratio Lower Upper
83 100
85 66.3 50.7 76.1
127 7.0 7.5 11.3#



#53
Dibromochloromethane
Concen: 1.07 ug/l
RT: 10.872 min Scan# 2840
Delta R.T. 0.000 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

Tgt Ion: 129 Resp: 1978
Ion Ratio Lower Upper
129 100
127 74.5 38.9 116.6

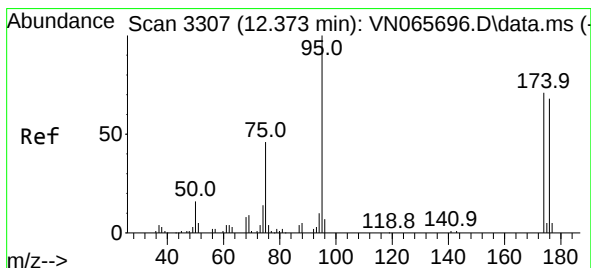
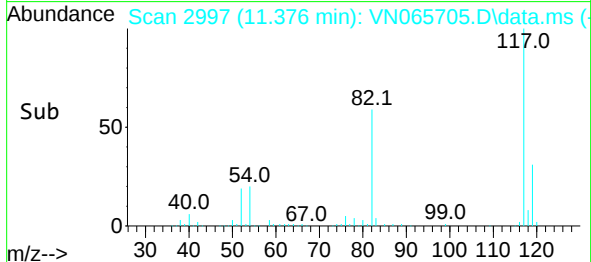
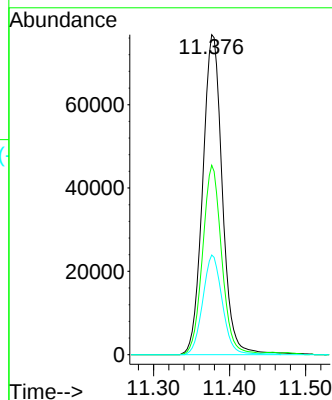
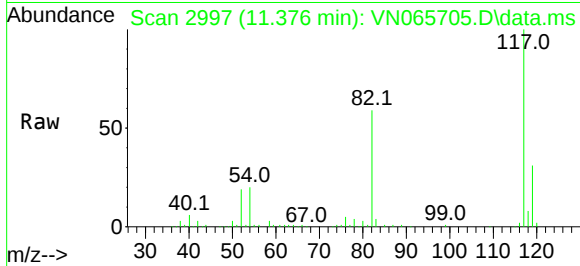




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

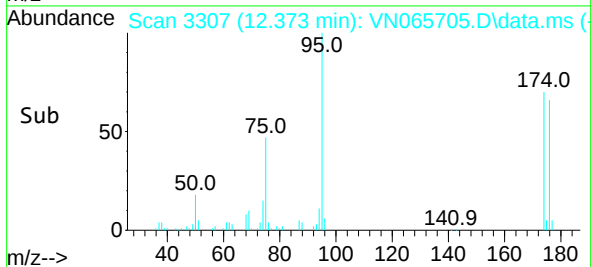
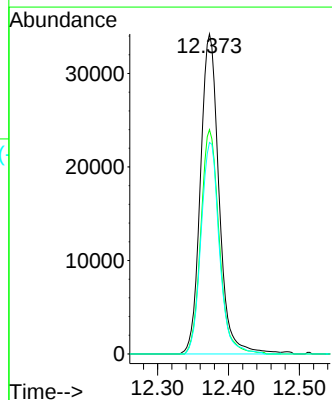
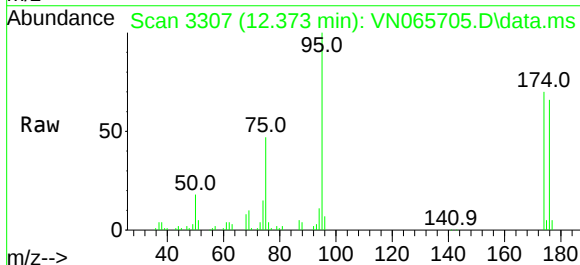
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

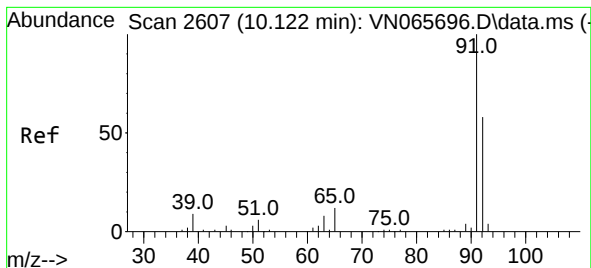
Tgt Ion:117 Resp: 137615
Ion Ratio Lower Upper
117 100
82 57.8 41.3 61.9
119 31.0 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 27.81 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

Tgt Ion: 95 Resp: 62262
Ion Ratio Lower Upper
95 100
174 69.2 77.0 115.6#
176 65.4 75.8 113.6#





#62

Toluene

Concen: 0.23 ug/l

RT: 10.122 min Scan# 2607

Delta R.T. 0.000 min

Lab File: VN065705.D

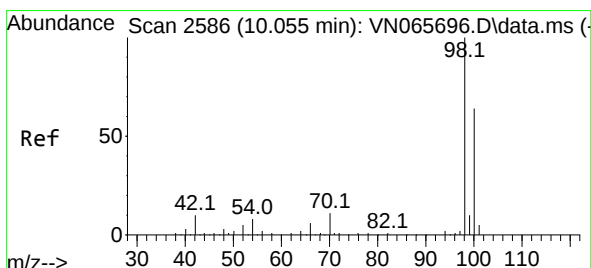
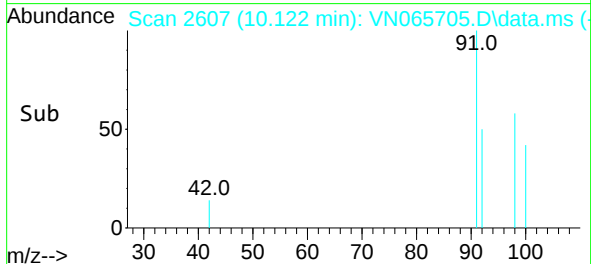
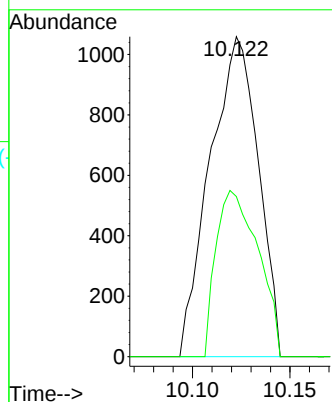
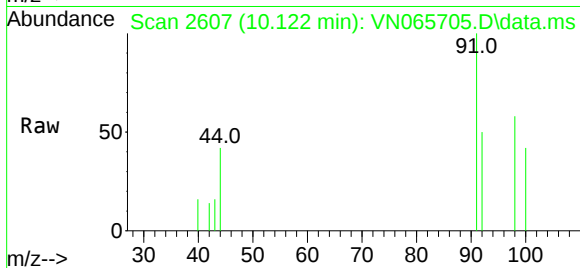
Acq: 3 Feb 2021 17:26

Tgt Ion: 91 Resp: 1824

Ion Ratio Lower Upper

91 100

92 45.3 46.2 69.4#



#63

Toluene-d8

Concen: 30.70 ug/l

RT: 10.058 min Scan# 2587

Delta R.T. 0.004 min

Lab File: VN065705.D

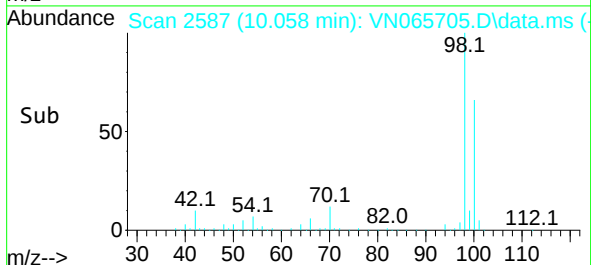
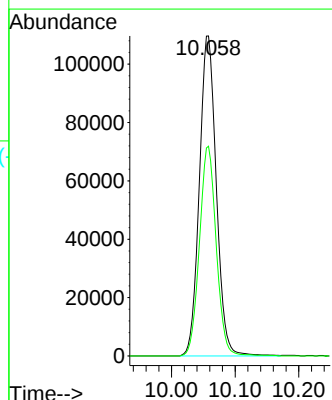
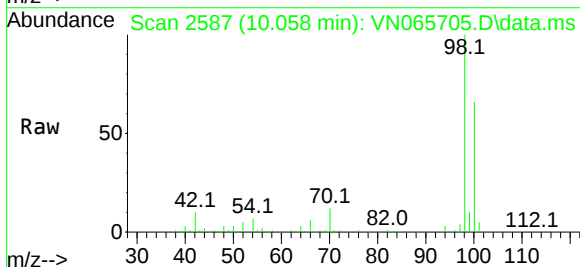
Acq: 3 Feb 2021 17:26

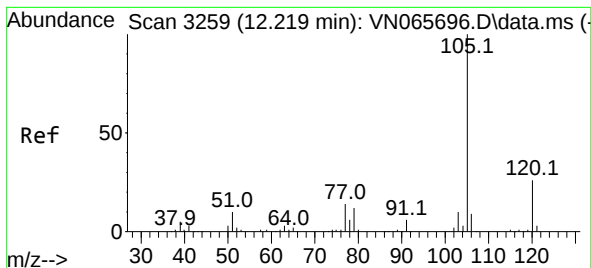
Tgt Ion: 98 Resp: 203118

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9





#70

Isopropylbenzene

Concen: 0.49 ug/l

RT: 12.222 min Scan# 3260

Delta R.T. 0.004 min

Lab File: VN065705.D

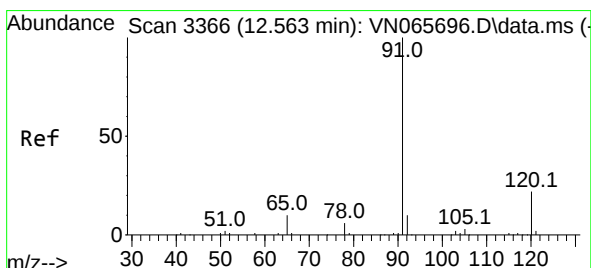
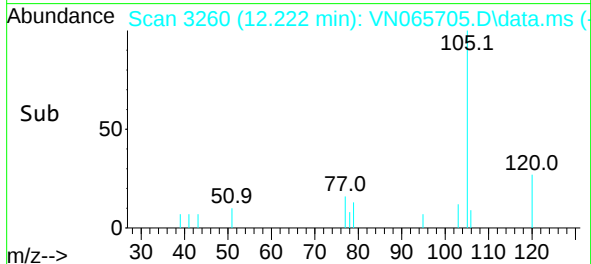
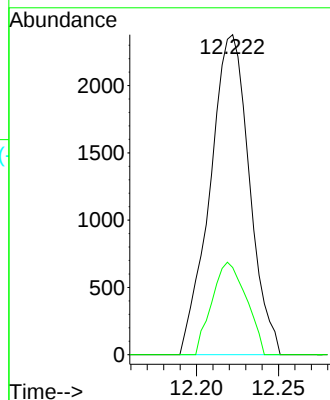
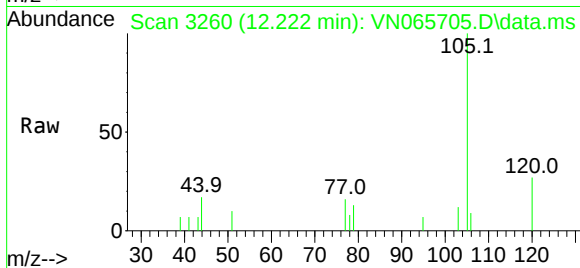
Acq: 3 Feb 2021 17:26

Tgt Ion:105 Resp: 3967

Ion Ratio Lower Upper

105 100

120 25.1 19.3 35.9



#74

n-propylbenzene

Concen: 0.70 ug/l

RT: 12.563 min Scan# 3366

Delta R.T. 0.000 min

Lab File: VN065705.D

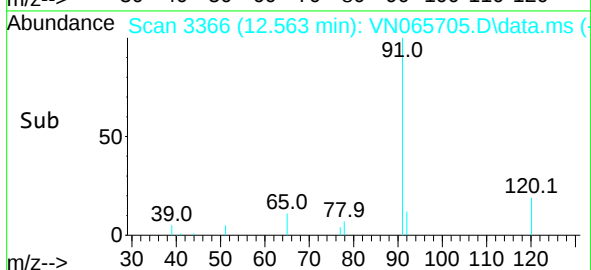
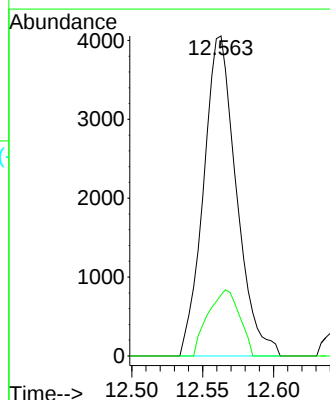
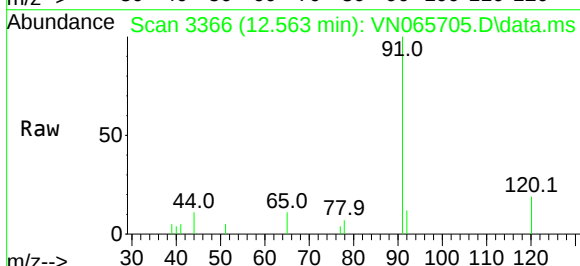
Acq: 3 Feb 2021 17:26

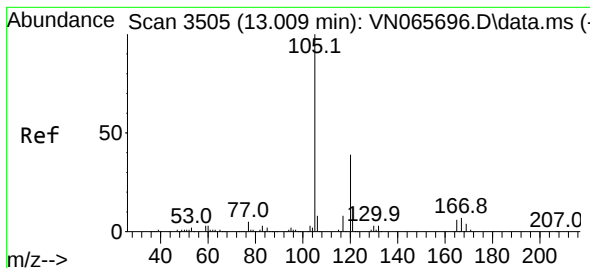
Tgt Ion: 91 Resp: 6537

Ion Ratio Lower Upper

91 100

120 19.7 0.0 49.4

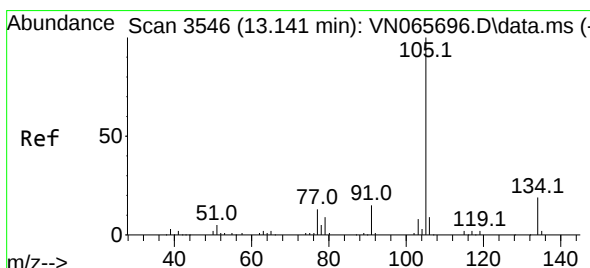
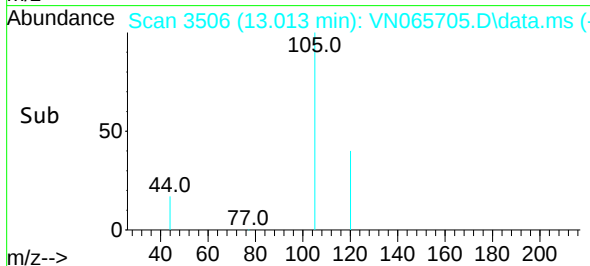
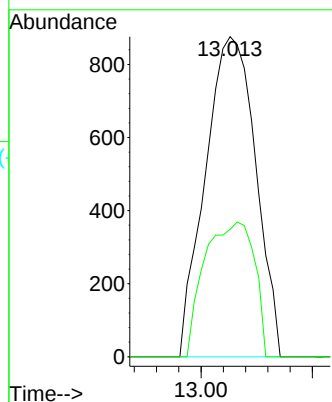
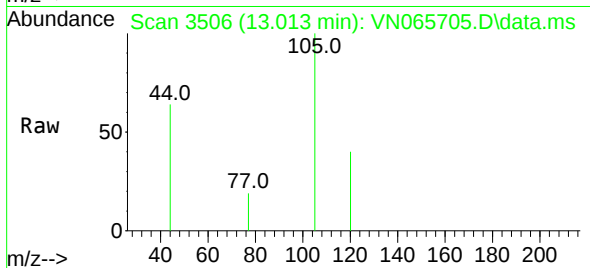




#80
1,2,4-Trimethylbenzene
Concen: 0.20 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.004 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

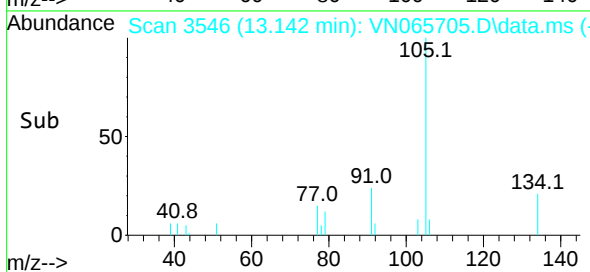
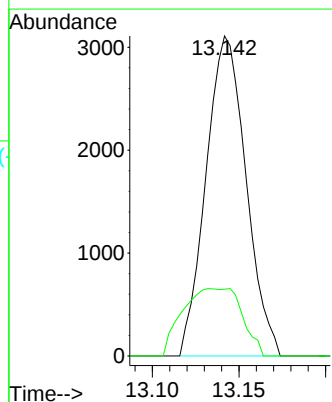
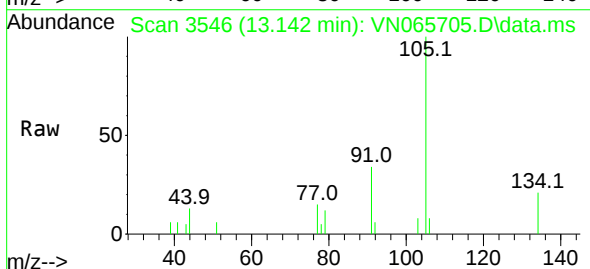
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

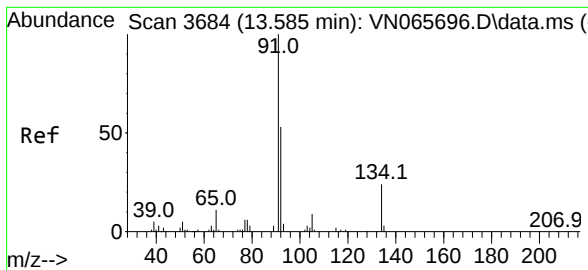
Tgt Ion:105 Resp: 1374
Ion Ratio Lower Upper
105 100
120 41.6 0.0 93.6



#81
sec-Butylbenzene
Concen: 0.67 ug/l
RT: 13.142 min Scan# 3546
Delta R.T. 0.000 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

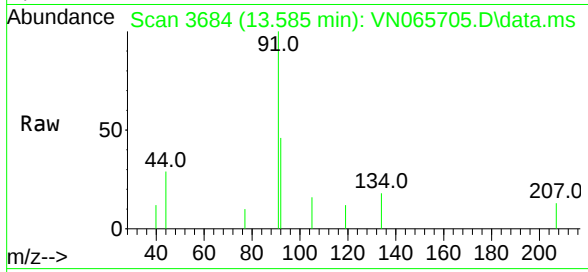
Tgt Ion:105 Resp: 4998
Ion Ratio Lower Upper
105 100
134 19.9 0.0 42.2





#85
 n-Butylbenzene
 Concen: 0.50 ug/l
 RT: 13.585 min Scan# 3684
 Delta R.T. 0.000 min
 Lab File: VN065705.D
 Acq: 3 Feb 2021 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 149TH-ST-GW-1



Tgt Ion:	91	Resp:	2881
Ion	Ratio	Lower	Upper
91	100		
92	37.3	0.0	104.8
134	34.0	0.0	55.8

