

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)

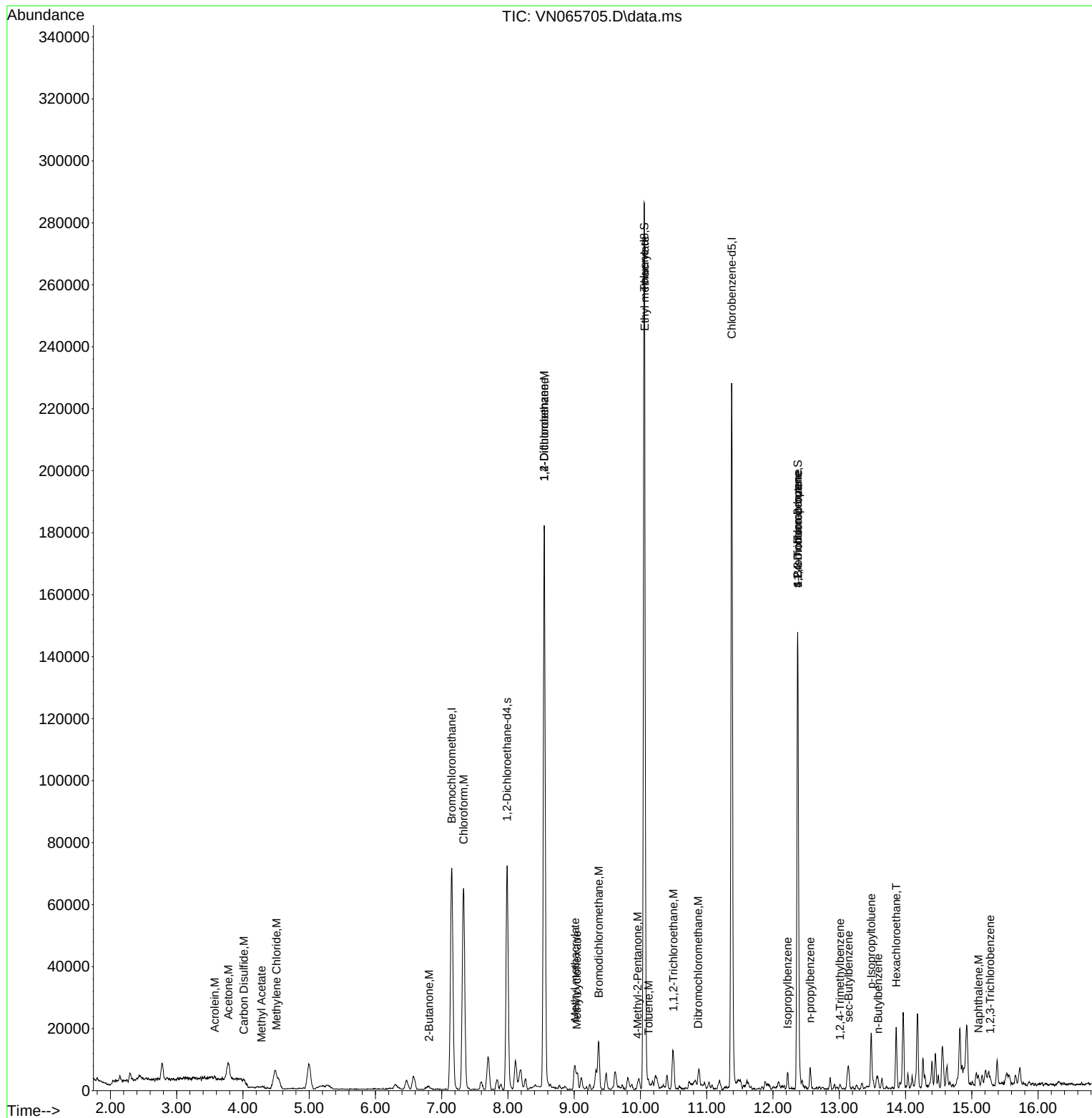
Internal Standards						
1) Bromochloromethane	7.152	128	28844	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	162857	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	137615	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	60312	30.15	ug/l	0.00
Spiked Amount 30.000	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						
						Qvalue
12) Methyl Acetate	4.280	43	534	0.26	ug/l #	50
13) Acrolein	3.573	56	195	0.71	ug/l #	46
15) Acetone	3.779	58	2773	9.98	ug/l	90
16) Carbon Disulfide	4.013	76	3075	0.58	ug/l #	90
18) Methylene Chloride	4.505	84	418	0.21	ug/l #	72
25) Chloroform	7.332	83	70967	21.95	ug/l	100
30) 2-Butanone	6.807	43	2064	1.75	ug/l #	52
36) 1,2-Dichloroethane	8.547	62	4838	1.98	ug/l #	74
38) Methylcyclohexane	9.039	83	1402	0.45	ug/l #	41
41) Bromodichloromethane	9.370	83	12177	4.81	ug/l #	96
46) Methyl methacrylate	9.013	41	2081	1.04	ug/l	82
50) 1,1,2-Trichloroethane	10.499	97	3533	1.93	ug/l #	15
51) Ethyl methacrylate	10.065	69	1122	0.38	ug/l	76
53) Dibromochloromethane	10.872	129	1978	1.07	ug/l	96
58) 4-Methyl-2-Pentanone	9.955	43	1071	0.47	ug/l #	57
62) Toluene	10.122	91	1824	0.23	ug/l #	83
70) Isopropylbenzene	12.222	105	3967	0.49	ug/l	95
72) 1,2,3-Trichloropropane	12.373	75	28765	12.48	ug/l	1
74) n-propylbenzene	12.563	91	6537	0.70	ug/l	90
77) t-1,4-Dichloro-2-butene	12.373	75	28765	31.96	ug/l #	14
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
82) p-Isopropyltoluene	13.482	119	6623	1.00	ug/l	71
85) n-Butylbenzene	13.585	91	2881	0.50	ug/l	82
86) Hexachloroethane	13.862	117	1075	0.94	ug/l #	1
91) Naphthalene	15.103	128	3514	0.67	ug/l #	73
92) 1,2,3-Trichlorobenzene	15.280	180	789	0.48	ug/l #	45

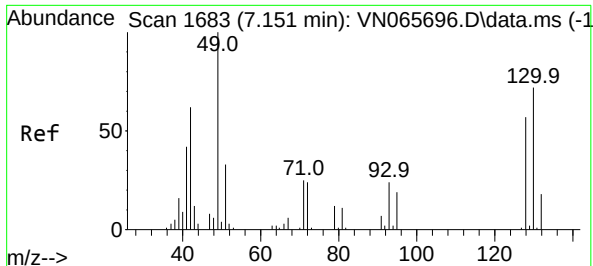
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

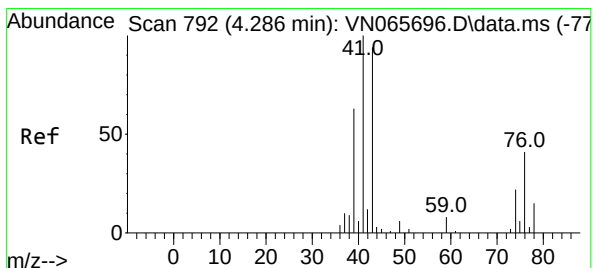
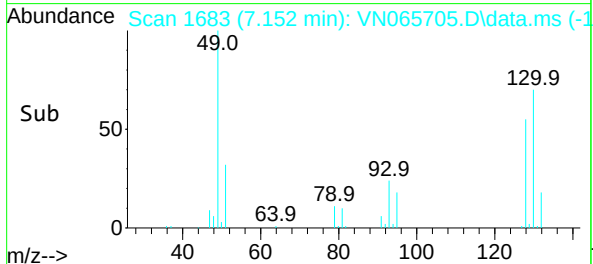
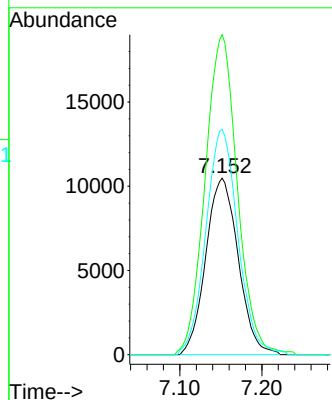
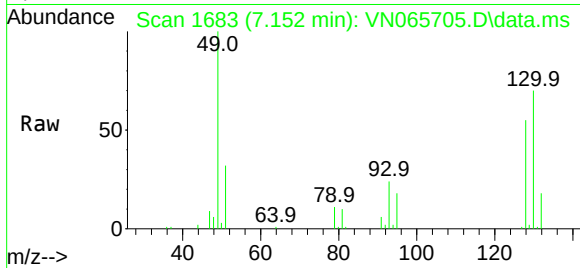




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.152 min Scan# 1683
Delta R.T. 0.001 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

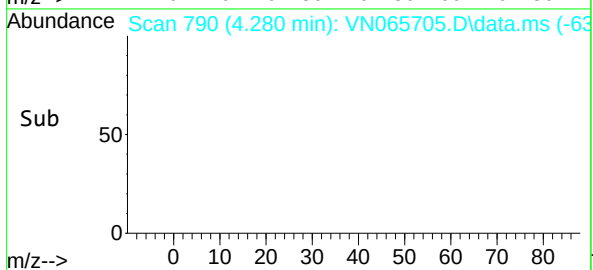
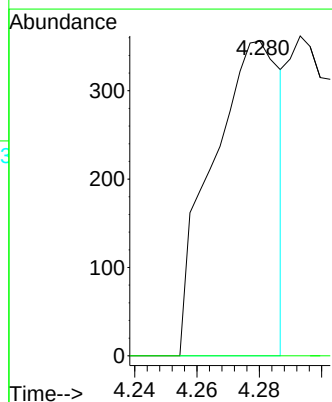
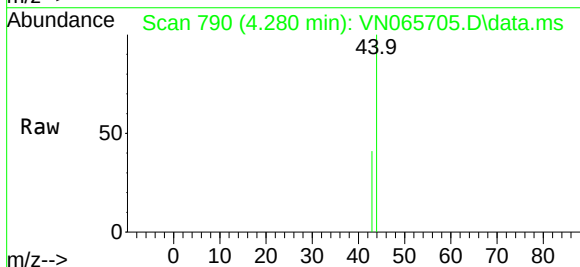
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

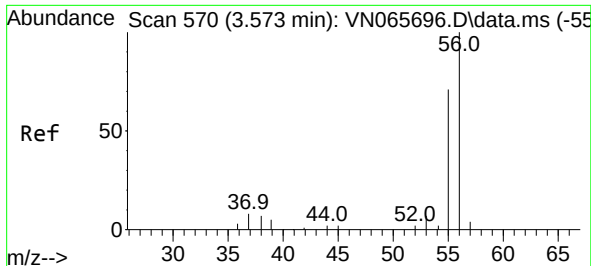
Tgt Ion:128 Resp: 28844
Ion Ratio Lower Upper
128 100
49 179.5 0.0 355.0
130 126.0 0.0 325.5



#12
Methyl Acetate
Concen: 0.26 ug/l
RT: 4.280 min Scan# 790
Delta R.T. -0.006 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

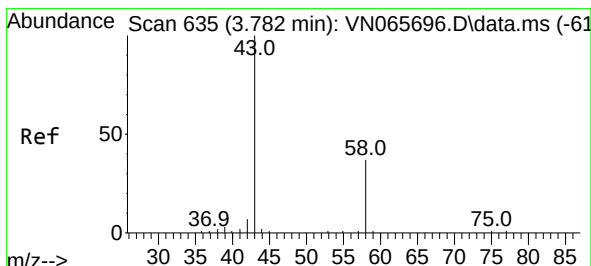
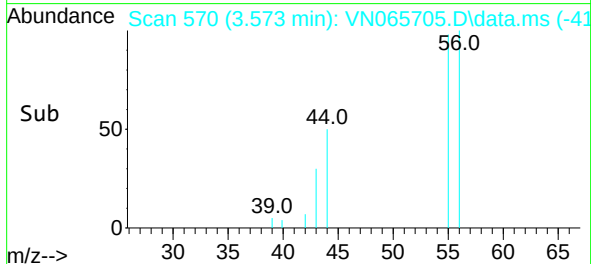
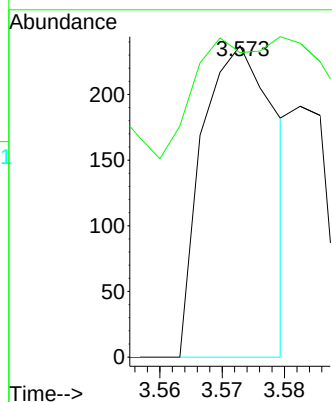
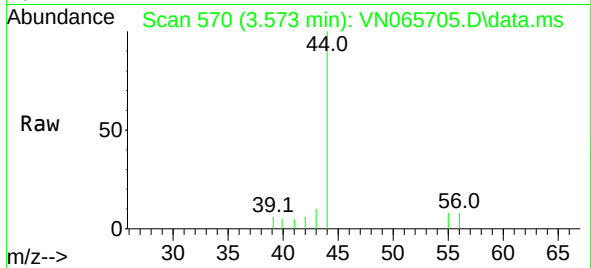




#13
Acrolein
Concen: 0.71 ug/l
RT: 3.573 min Scan# 570
Delta R.T. 0.000 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

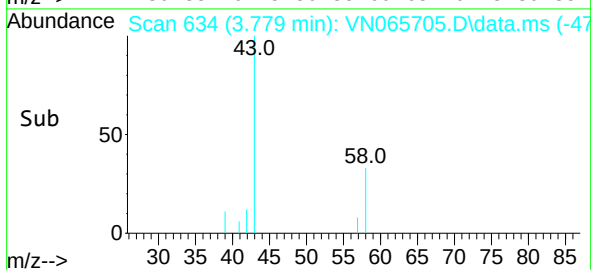
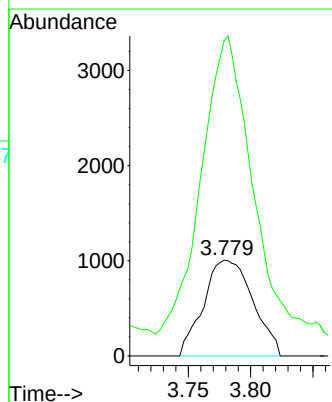
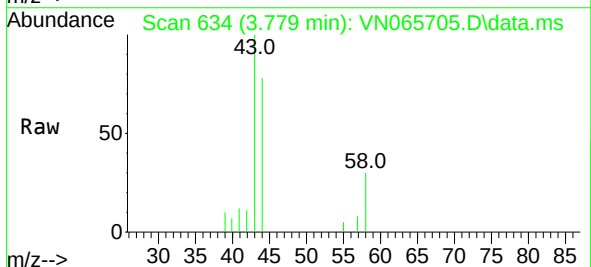
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

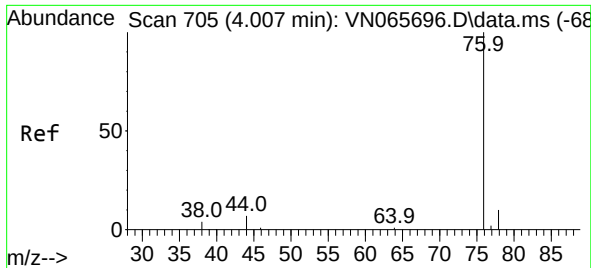
Tgt Ion: 56 Resp: 195
Ion Ratio Lower Upper
56 100
55 26.7 57.7 86.5#



#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

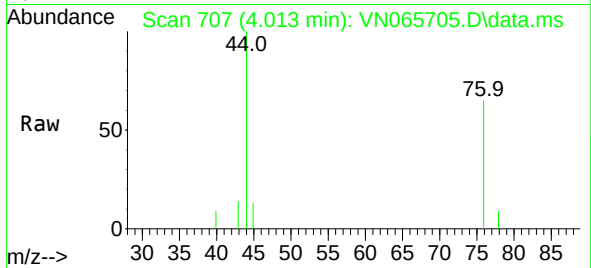
Tgt Ion: 58 Resp: 2773
Ion Ratio Lower Upper
58 100
43 271.1 203.4 305.0



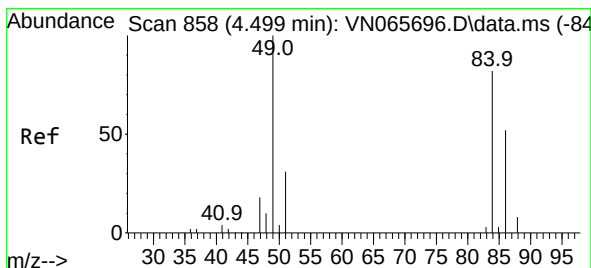
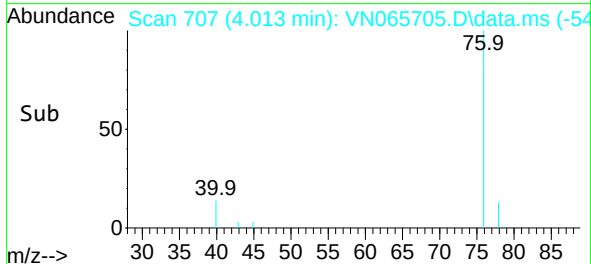
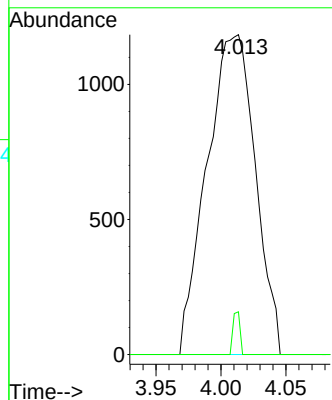


#16
Carbon Disulfide
Concen: 0.58 ug/l
RT: 4.013 min Scan# 707
Delta R.T. 0.007 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

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

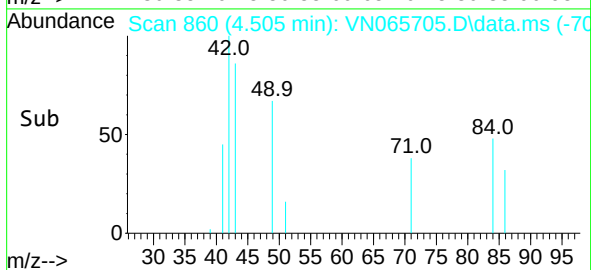
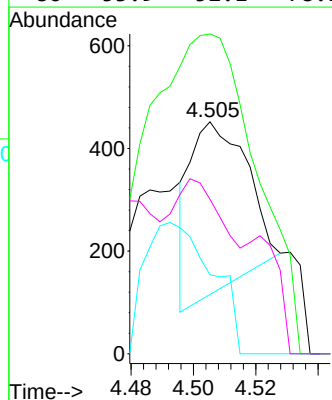
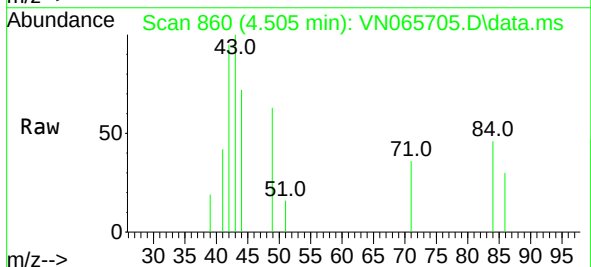


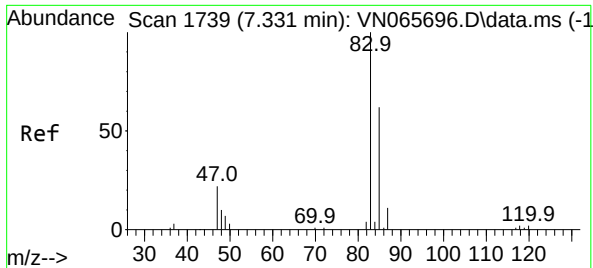
Tgt Ion: 76 Resp: 3075
Ion Ratio Lower Upper
76 100
78 13.3 7.8 11.8#



#18
Methylene Chloride
Concen: 0.21 ug/l
RT: 4.505 min Scan# 860
Delta R.T. 0.007 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

Tgt Ion: 84 Resp: 418
Ion Ratio Lower Upper
84 100
49 148.8 91.3 136.9#
51 60.2 28.8 43.2#
86 53.9 52.1 78.1





#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

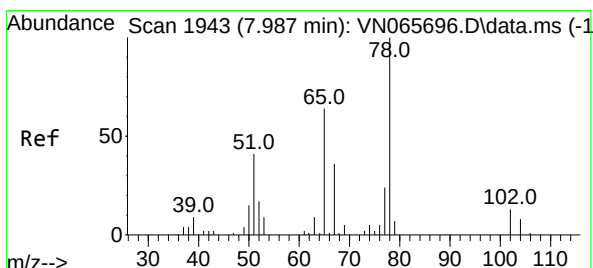
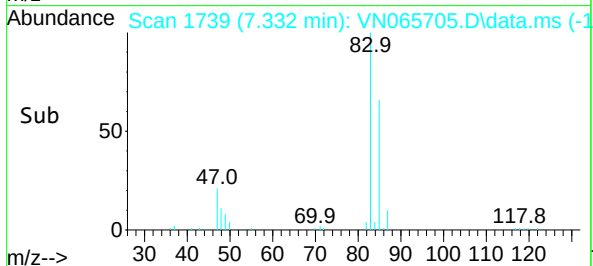
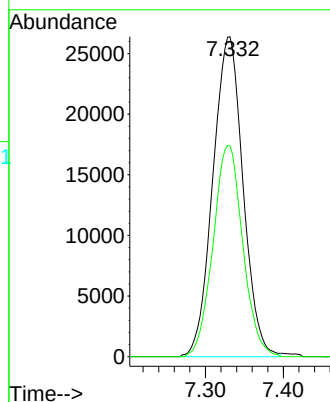
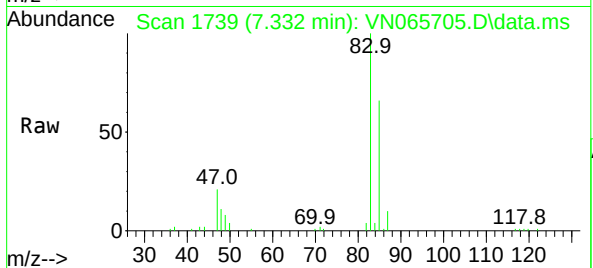
85 65.9 53.0 79.4

Instrument :

MSVOA_N

ClientSampleId :

149TH-ST-GW-1



#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

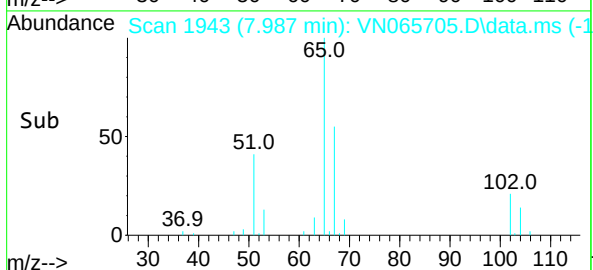
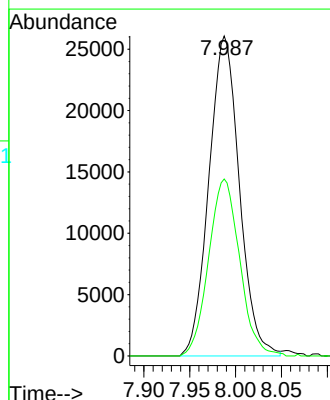
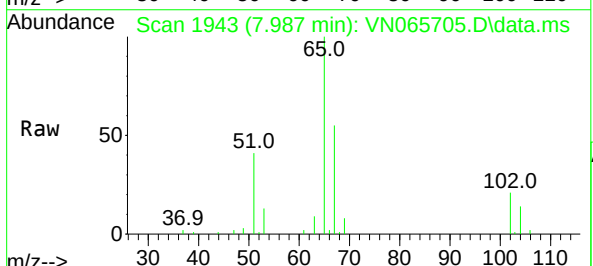
Acq: 3 Feb 2021 17:26

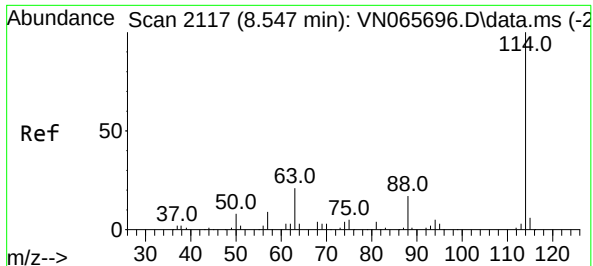
Tgt Ion: 65 Resp: 60312

Ion Ratio Lower Upper

65 100

67 56.3 42.8 64.2





#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

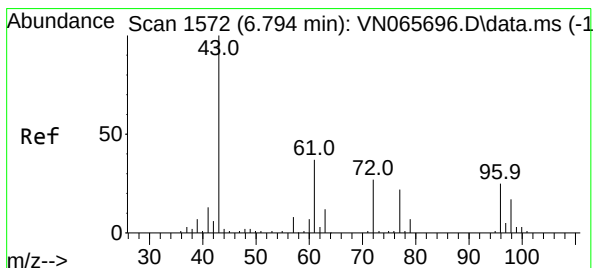
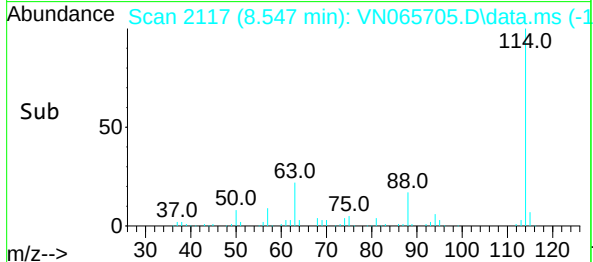
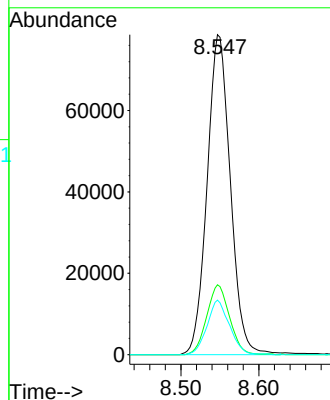
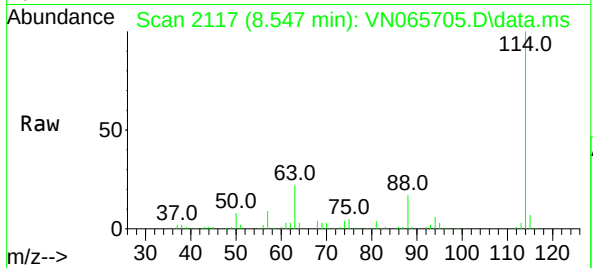
Tgt Ion:114 Resp: 162857

Ion Ratio Lower Upper

114 100

63 21.4 14.7 22.1

88 16.4 11.7 17.5



#30

2-Butanone

Concen: 1.75 ug/l

RT: 6.807 min Scan# 1576

Delta R.T. 0.013 min

Lab File: VN065705.D

Acq: 3 Feb 2021 17:26

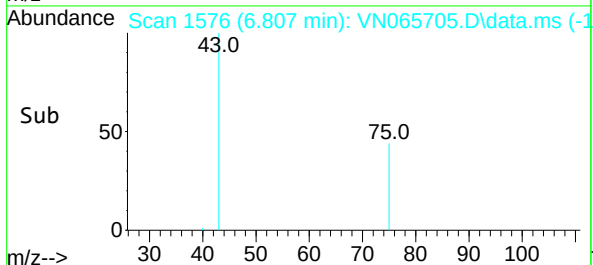
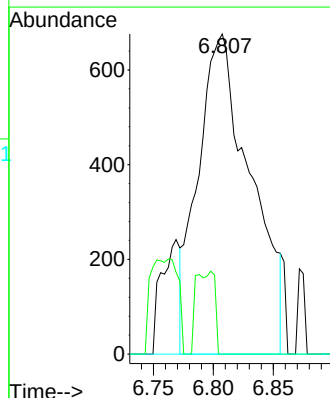
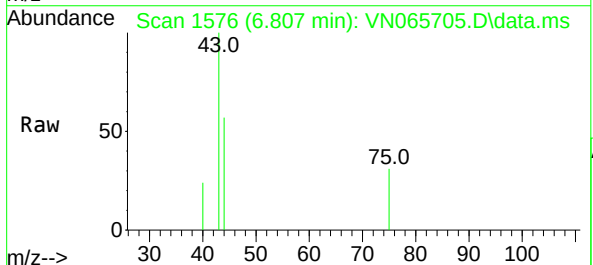
Tgt Ion: 43 Resp: 2064

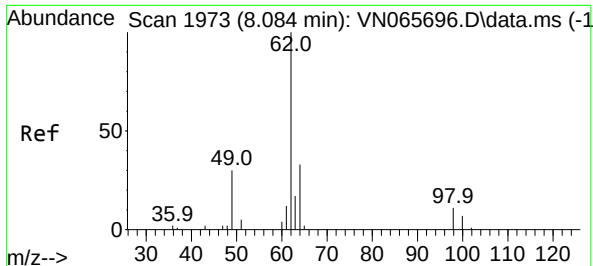
Ion Ratio Lower Upper

43 100

57 0.0 7.0 10.4#

72 0.0 23.6 35.4#

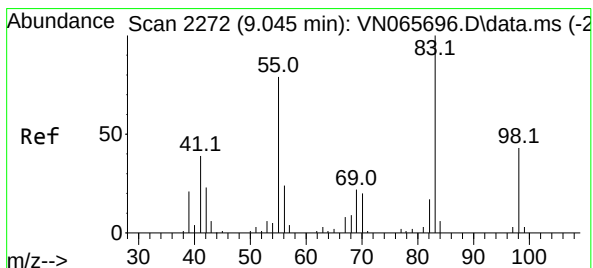
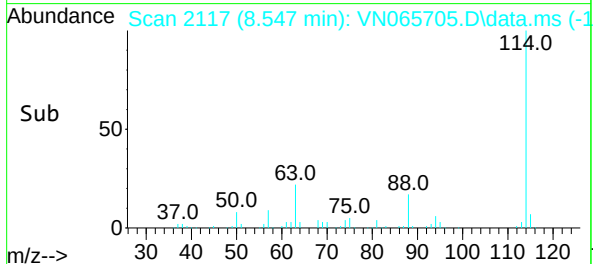
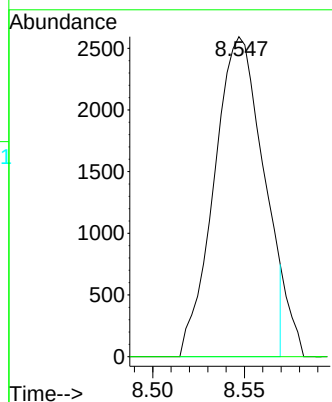
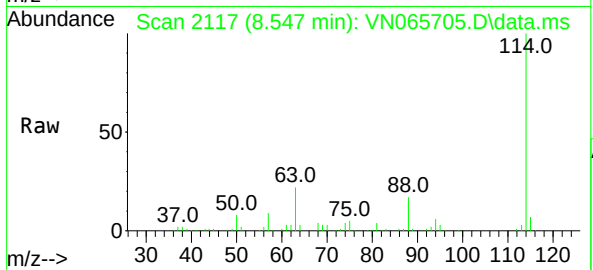




#36
1,2-Dichloroethane
Concen: 1.98 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. 0.463 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

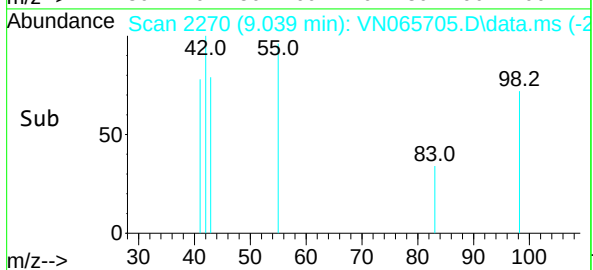
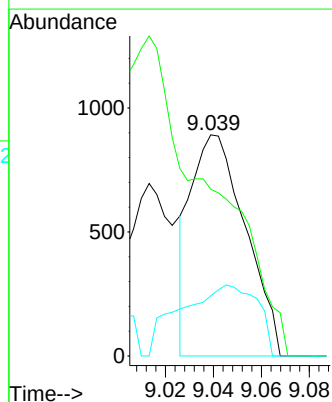
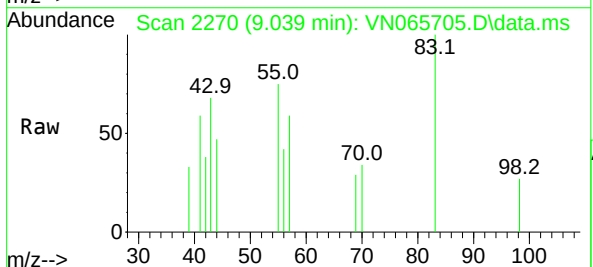
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

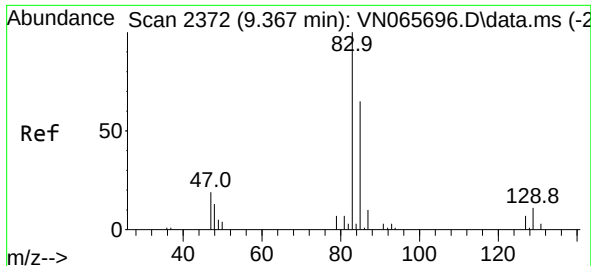
Tgt Ion: 62 Resp: 4838
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



#38
Methylcyclohexane
Concen: 0.45 ug/l
RT: 9.039 min Scan# 2270
Delta R.T. -0.006 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

Tgt Ion: 83 Resp: 1402
Ion Ratio Lower Upper
83 100
55 8.3 37.2 111.6#
98 27.3 23.8 71.4

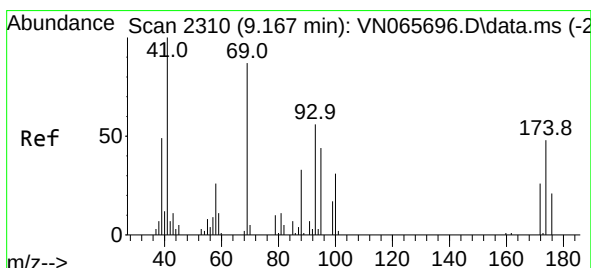
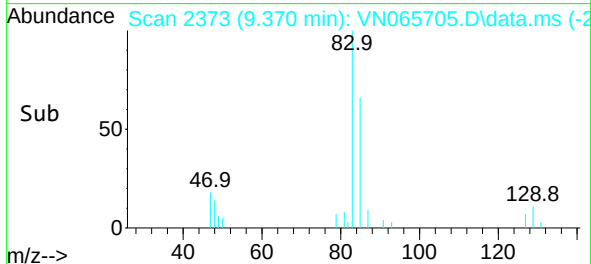
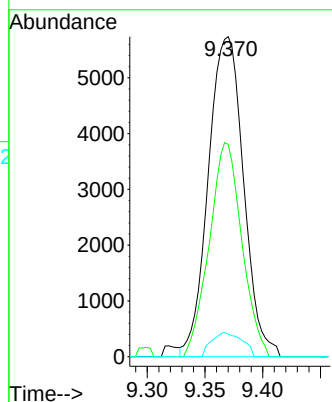
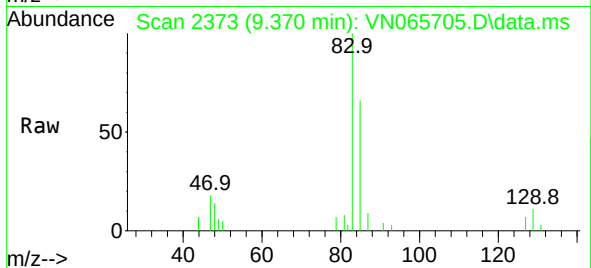




#41
Bromodichloromethane
Concen: 4.81 ug/l
RT: 9.370 min Scan# 2373
Delta R.T. 0.004 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

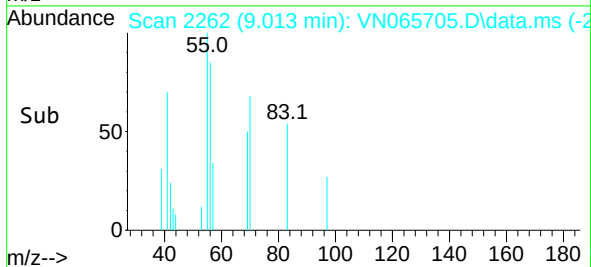
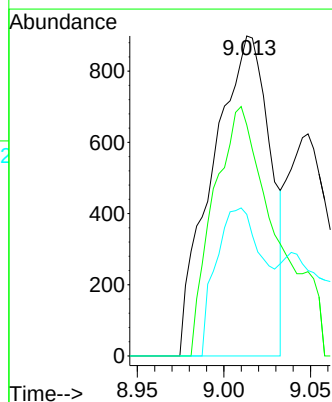
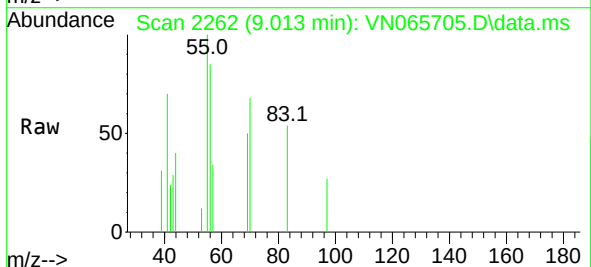
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

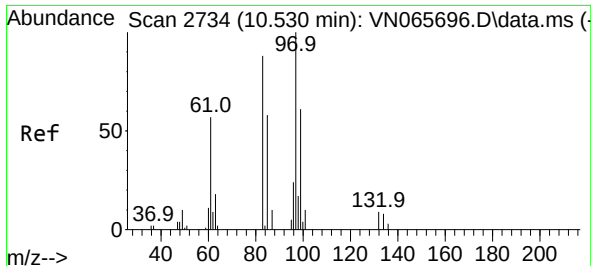
Tgt Ion: 83 Resp: 12177
Ion Ratio Lower Upper
83 100
85 66.3 50.7 76.1
127 7.0 7.5 11.3#



#46
Methyl methacrylate
Concen: 1.04 ug/l
RT: 9.013 min Scan# 2262
Delta R.T. -0.154 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

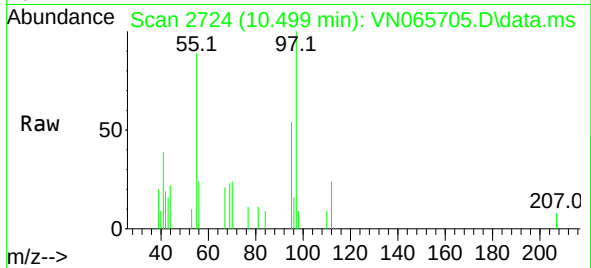
Tgt Ion: 41 Resp: 2081
Ion Ratio Lower Upper
41 100
69 72.2 46.3 138.8
39 44.3 26.8 80.3





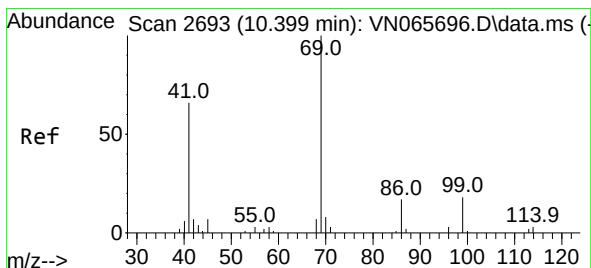
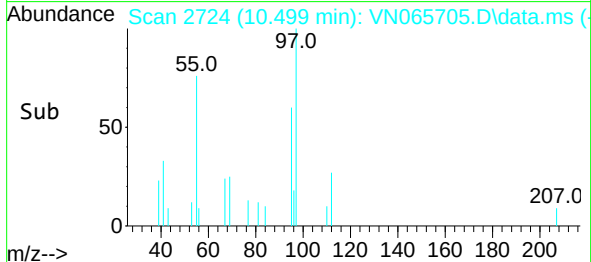
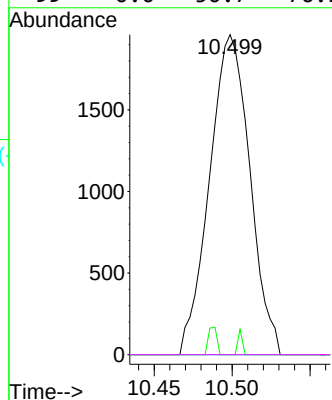
#50
1,1,2-Trichloroethane
Concen: 1.93 ug/l
RT: 10.499 min Scan# 2724
Delta R.T. -0.032 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

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



Tgt Ion: 97 Resp: 3533

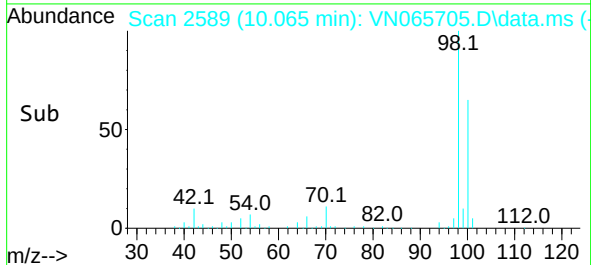
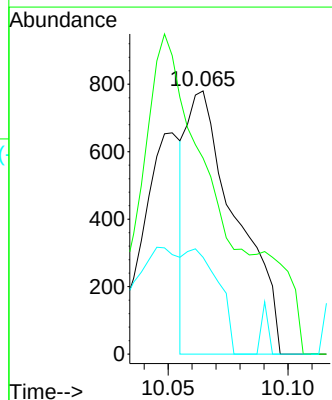
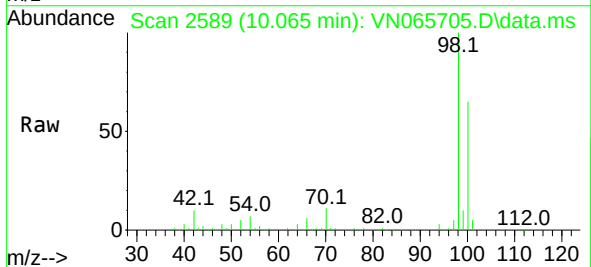
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.4	102.6#
85	0.0	42.8	64.2#
99	0.0	50.7	76.1#

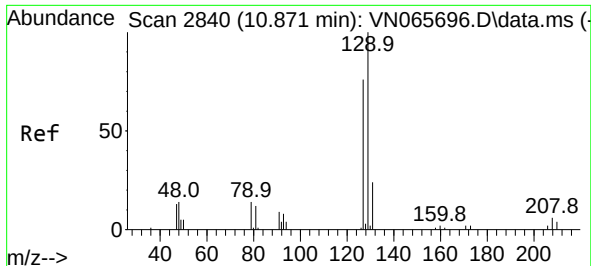


#51
Ethyl methacrylate
Concen: 0.38 ug/l
RT: 10.065 min Scan# 2589
Delta R.T. -0.334 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

Tgt Ion: 69 Resp: 1122

Ion	Ratio	Lower	Upper
69	100		
41	40.1	31.9	95.7
39	36.8	15.6	46.7

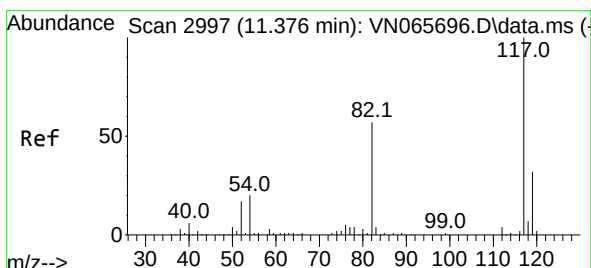
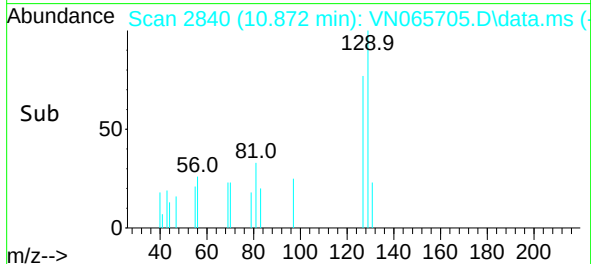
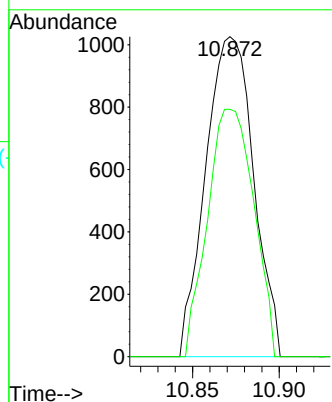
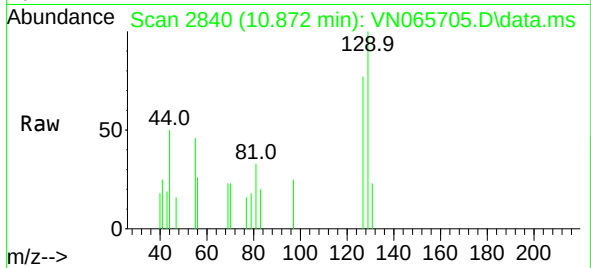




#53
Dibromochloromethane
Concen: 1.07 ug/l
RT: 10.872 min Scan# 2840
Delta R.T. 0.000 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

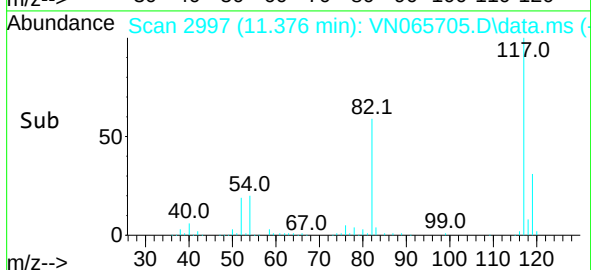
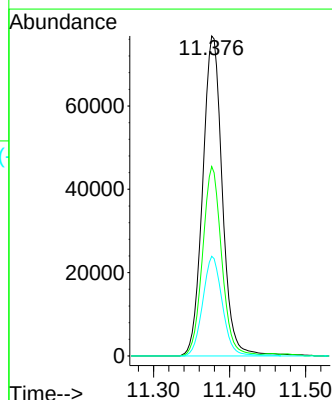
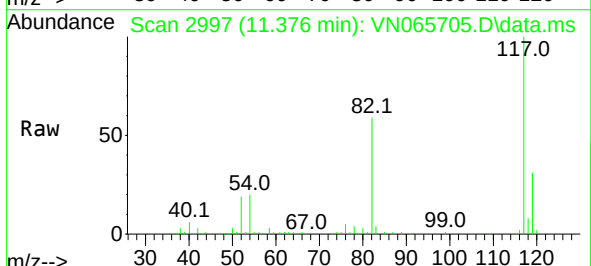
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

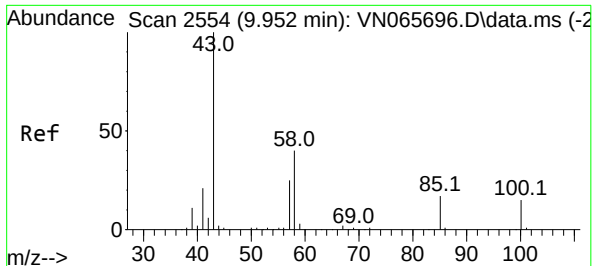
Tgt Ion:129 Resp: 1978
Ion Ratio Lower Upper
129 100
127 74.5 38.9 116.6



#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

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

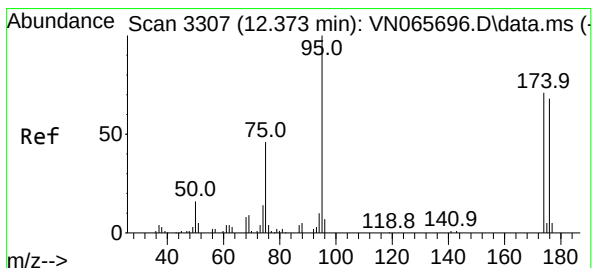
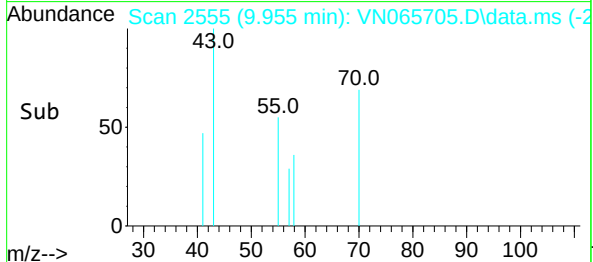
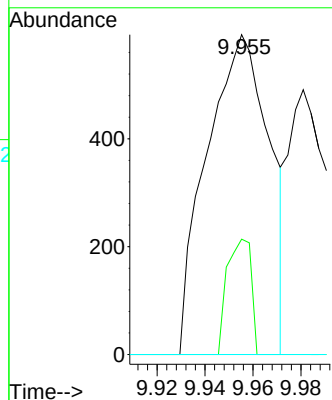
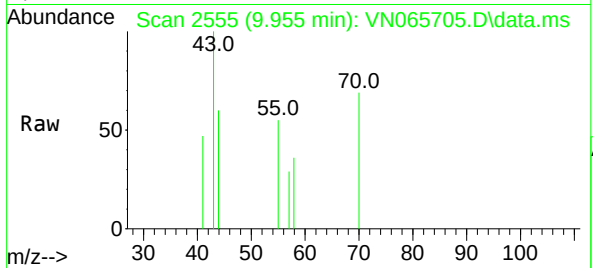




#58
4-Methyl-2-Pentanone
Concen: 0.47 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.004 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

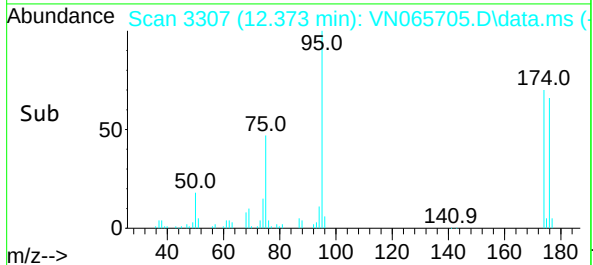
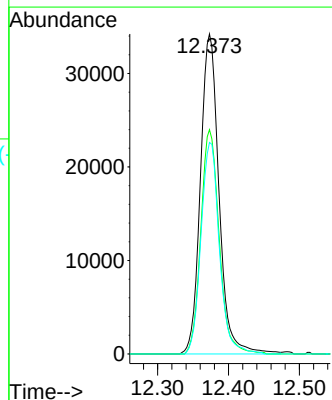
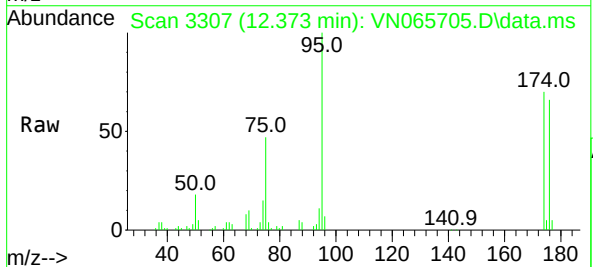
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

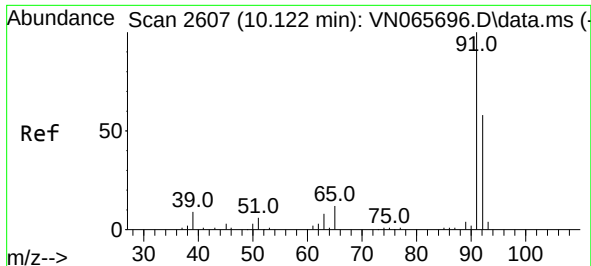
Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
58 13.9 32.7 49.1#
85 0.0 16.0 24.0#



#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#

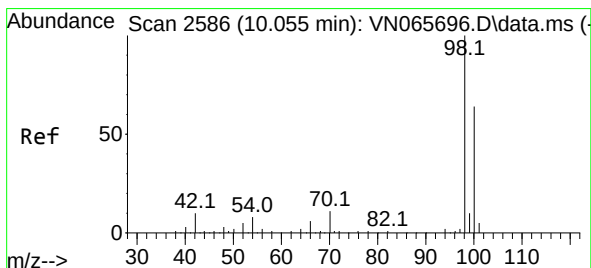
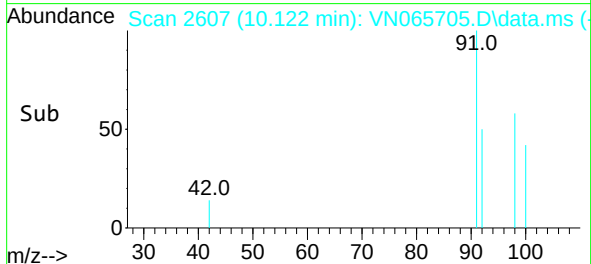
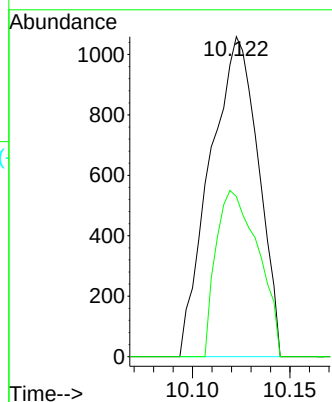
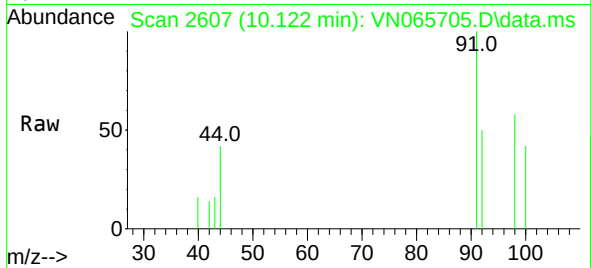




#62
Toluene
Concen: 0.23 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

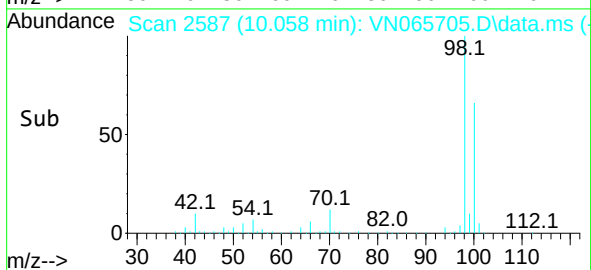
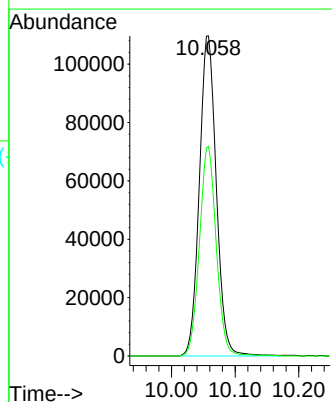
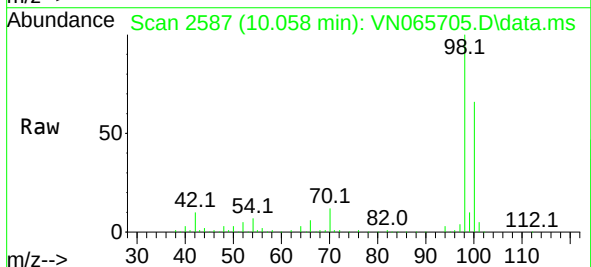
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

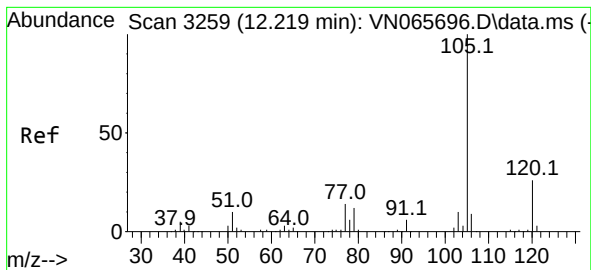
Tgt Ion: 91 Resp: 1824
Ion Ratio Lower Upper
91 100
92 45.3 46.2 69.4#



#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

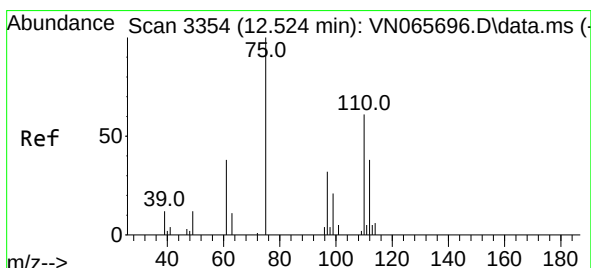
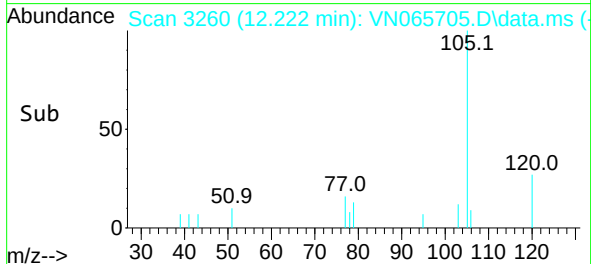
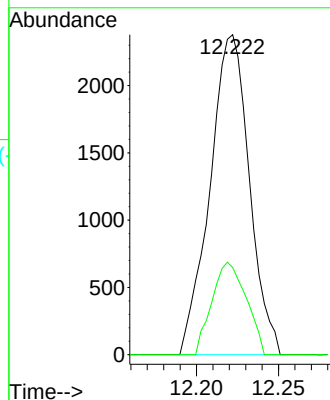
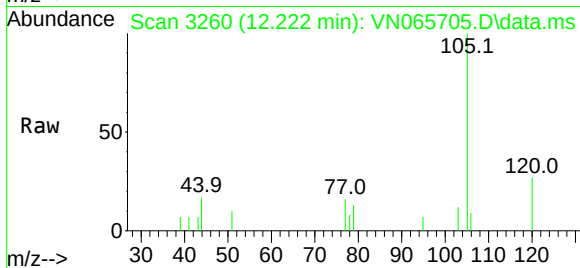
Acq: 3 Feb 2021 17:26

Tgt Ion:105 Resp: 3967

Ion Ratio Lower Upper

105 100

120 25.1 19.3 35.9



#72

1,2,3-Trichloropropane

Concen: 12.48 ug/l

RT: 12.373 min Scan# 3307

Delta R.T. -0.151 min

Lab File: VN065705.D

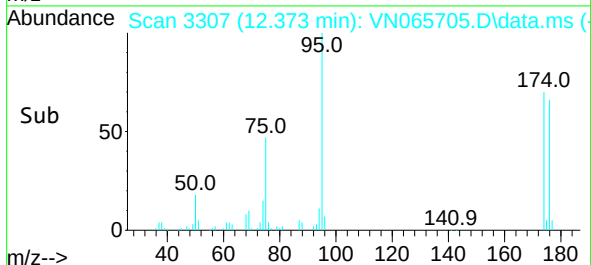
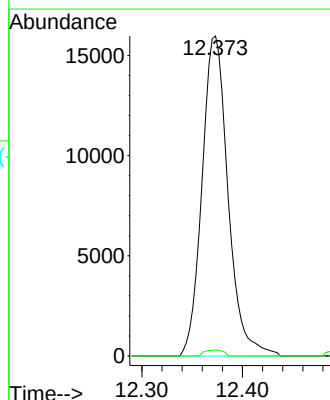
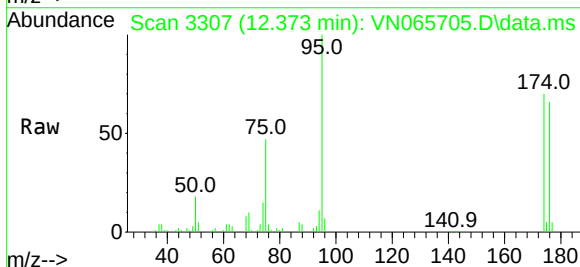
Acq: 3 Feb 2021 17:26

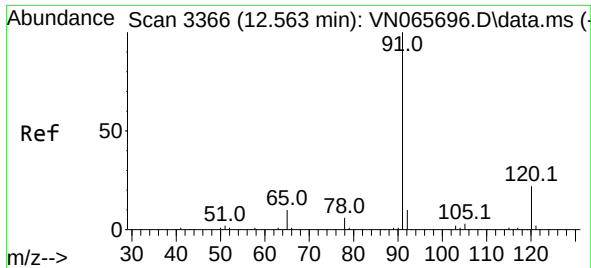
Tgt Ion: 75 Resp: 28765

Ion Ratio Lower Upper

75 100

77 1.3 0.0 366.4

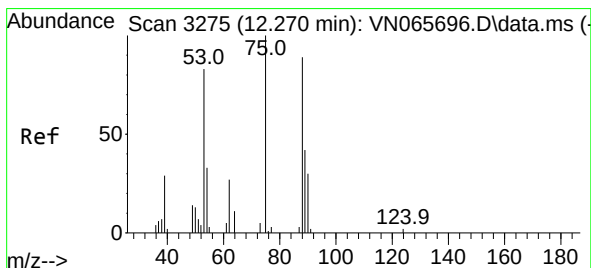
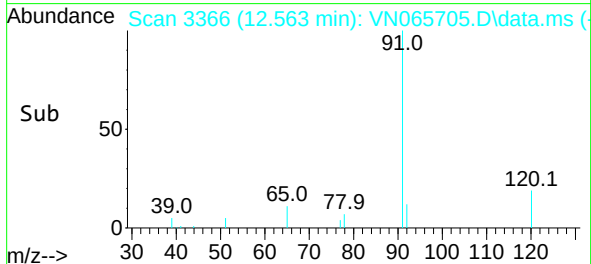
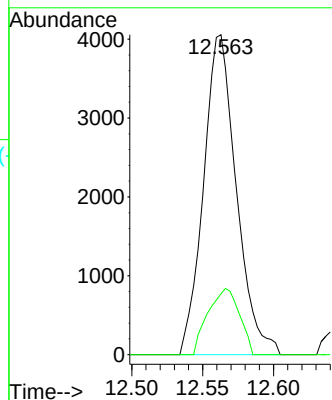
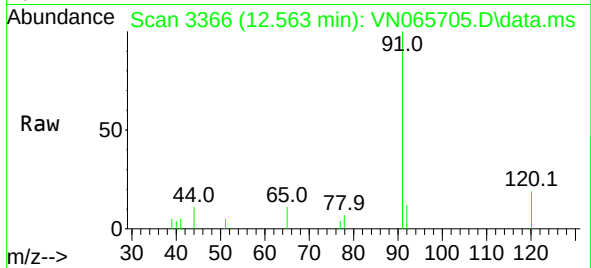




#74
n-propylbenzene
Concen: 0.70 ug/l
RT: 12.563 min Scan# 3366
Delta R.T. 0.000 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

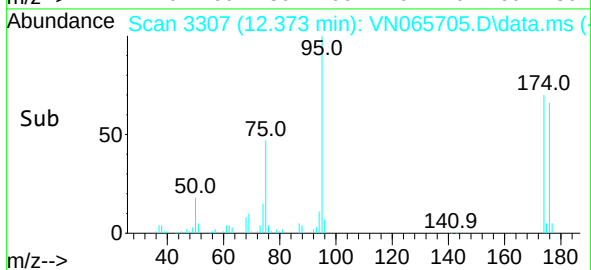
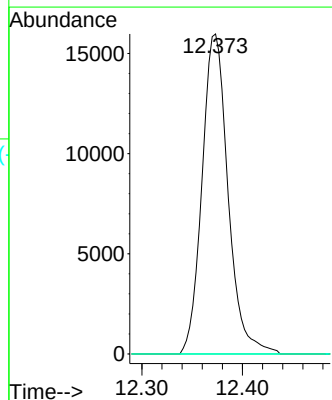
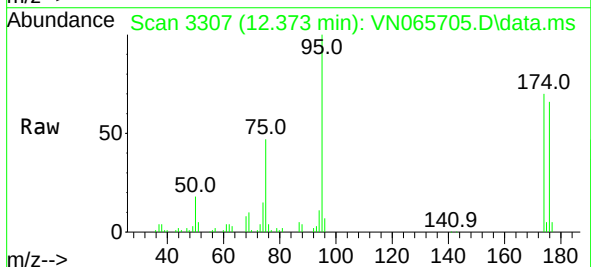
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

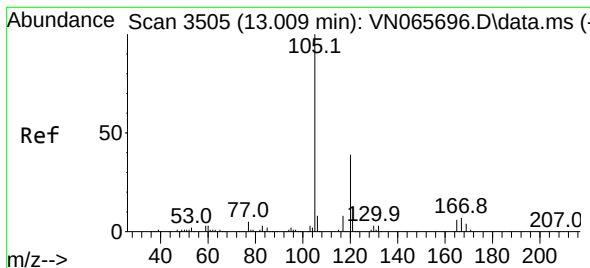
Tgt Ion: 91 Resp: 6537
Ion Ratio Lower Upper
91 100
120 19.7 0.0 49.4



#77
t-1,4-Dichloro-2-butene
Concen: 31.96 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

Tgt Ion: 75 Resp: 28765
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#

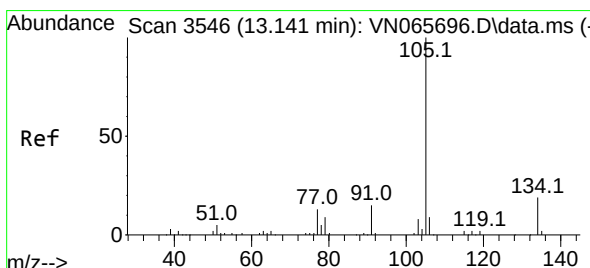
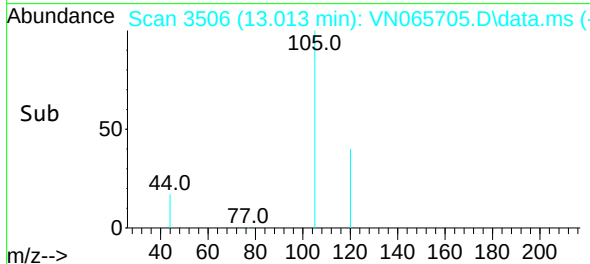
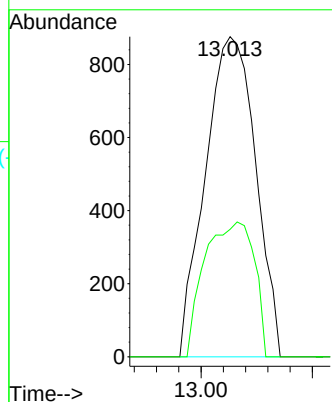
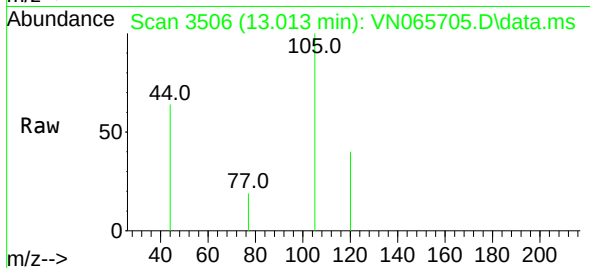




#80
1,2,4-Trimethylbenzene
Concen: 0.20 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.004 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

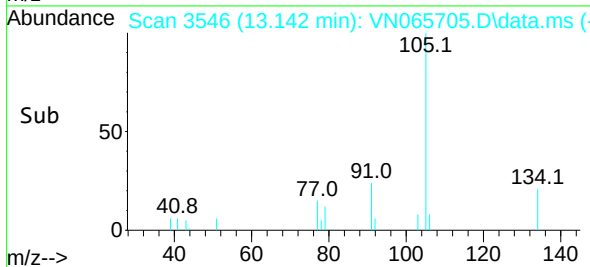
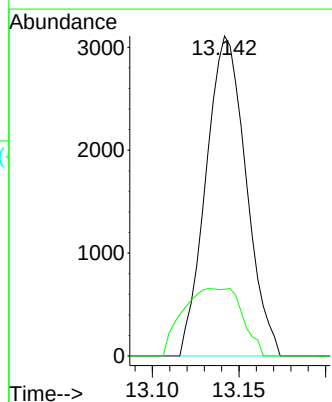
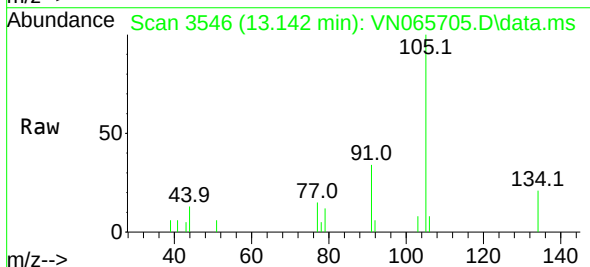
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

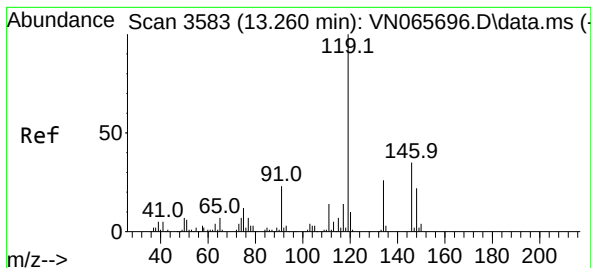
Tgt Ion:105 Resp: 1374
Ion Ratio Lower Upper
105 100
120 41.6 0.0 93.6



#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

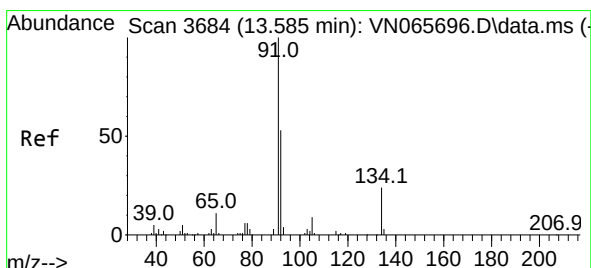
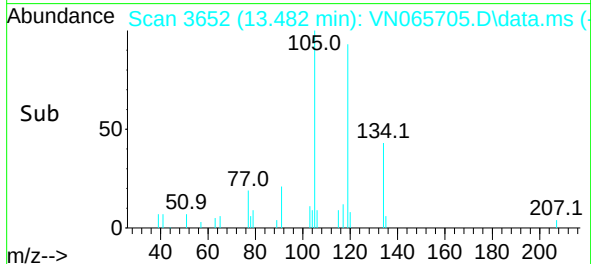
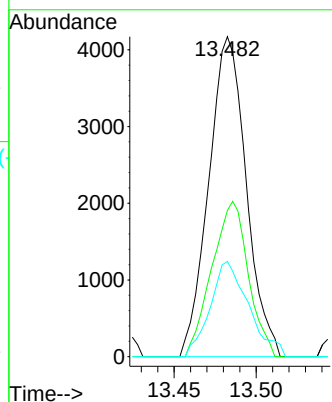
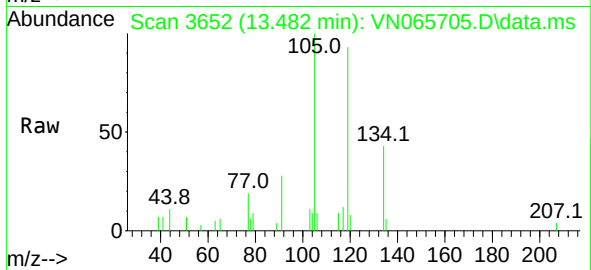




#82
p-Isopropyltoluene
Concen: 1.00 ug/l
RT: 13.482 min Scan# 3652
Delta R.T. 0.222 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

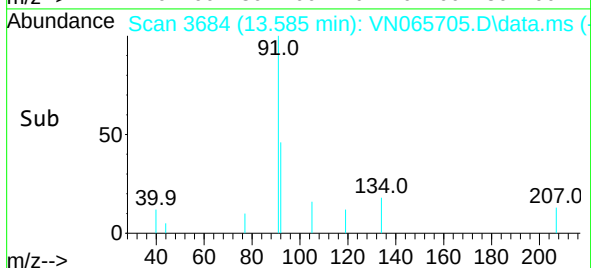
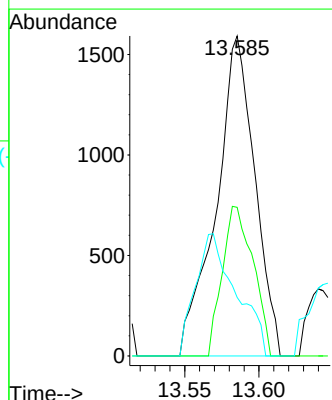
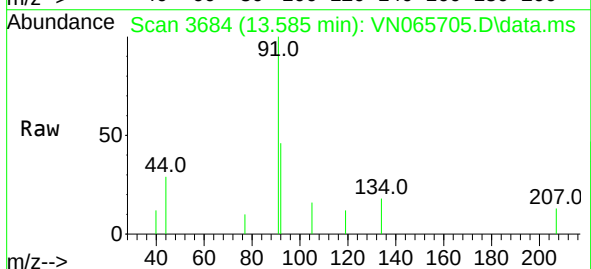
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

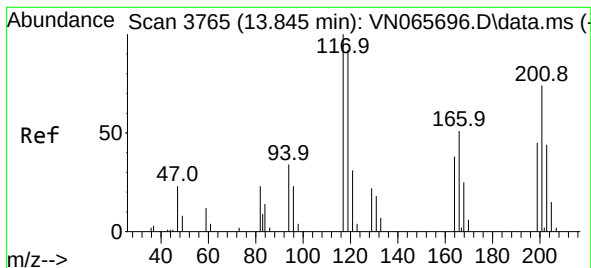
Tgt Ion:119 Resp: 6623
Ion Ratio Lower Upper
119 100
134 47.2 0.0 54.8
91 30.5 0.0 44.8



#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

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

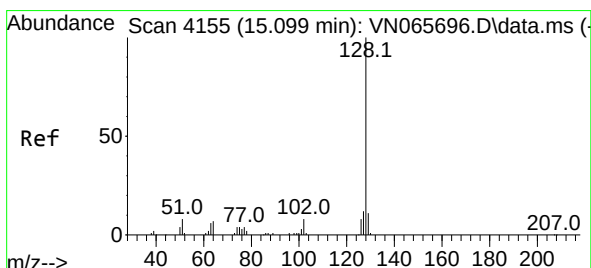
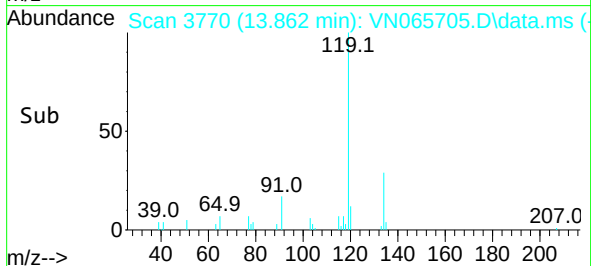
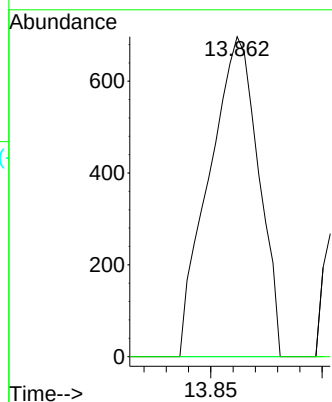
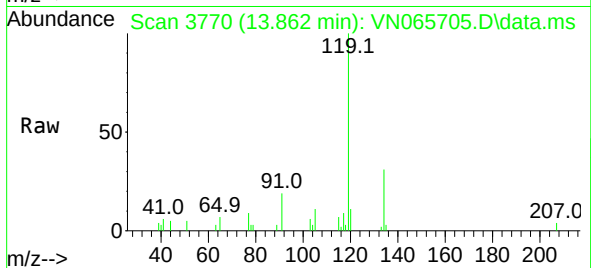




#86
Hexachloroethane
Concen: 0.94 ug/l
RT: 13.862 min Scan# 3770
Delta R.T. 0.016 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

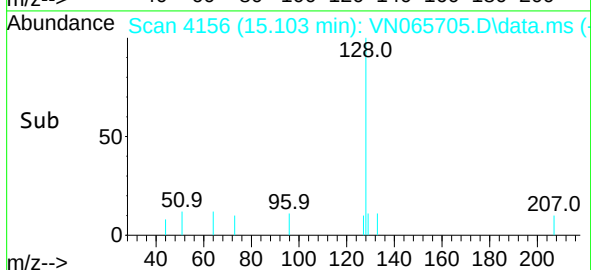
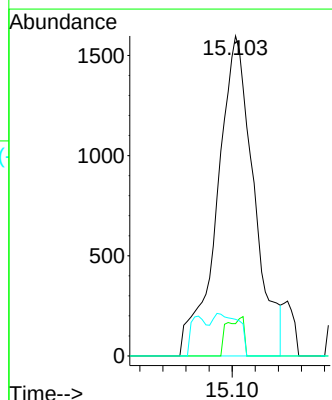
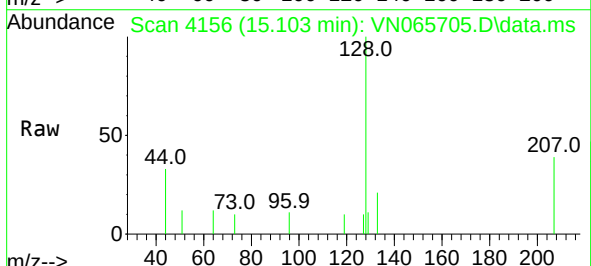
Instrument :
MSVOA_N
ClientSampleId :
149TH-ST-GW-1

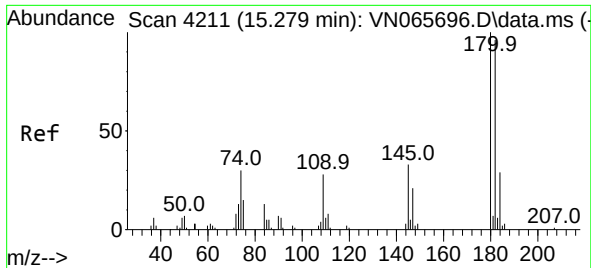
Tgt Ion:117 Resp: 1075
Ion Ratio Lower Upper
117 100
201 0.0 48.4 145.3#



#91
Naphthalene
Concen: 0.67 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.004 min
Lab File: VN065705.D
Acq: 3 Feb 2021 17:26

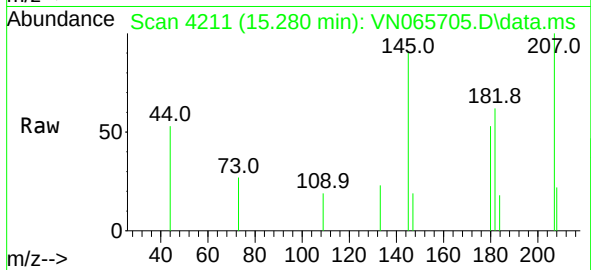
Tgt Ion:128 Resp: 3514
Ion Ratio Lower Upper
128 100
127 2.1 10.1 15.1#
129 0.0 8.6 12.8#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.48 ug/l
 RT: 15.280 min Scan# 4211
 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:180 Resp: 789
 Ion Ratio Lower Upper
 180 100
 182 100.4 0.0 190.4
 145 145.6 0.0 57.8#

