

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076896.D
 Acq On : 09 Mar 2023 12:27
 Operator : JC\MD
 Sample : 01852-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-051-IDWGW-20230308

Quant Time: Mar 10 01:30:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

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

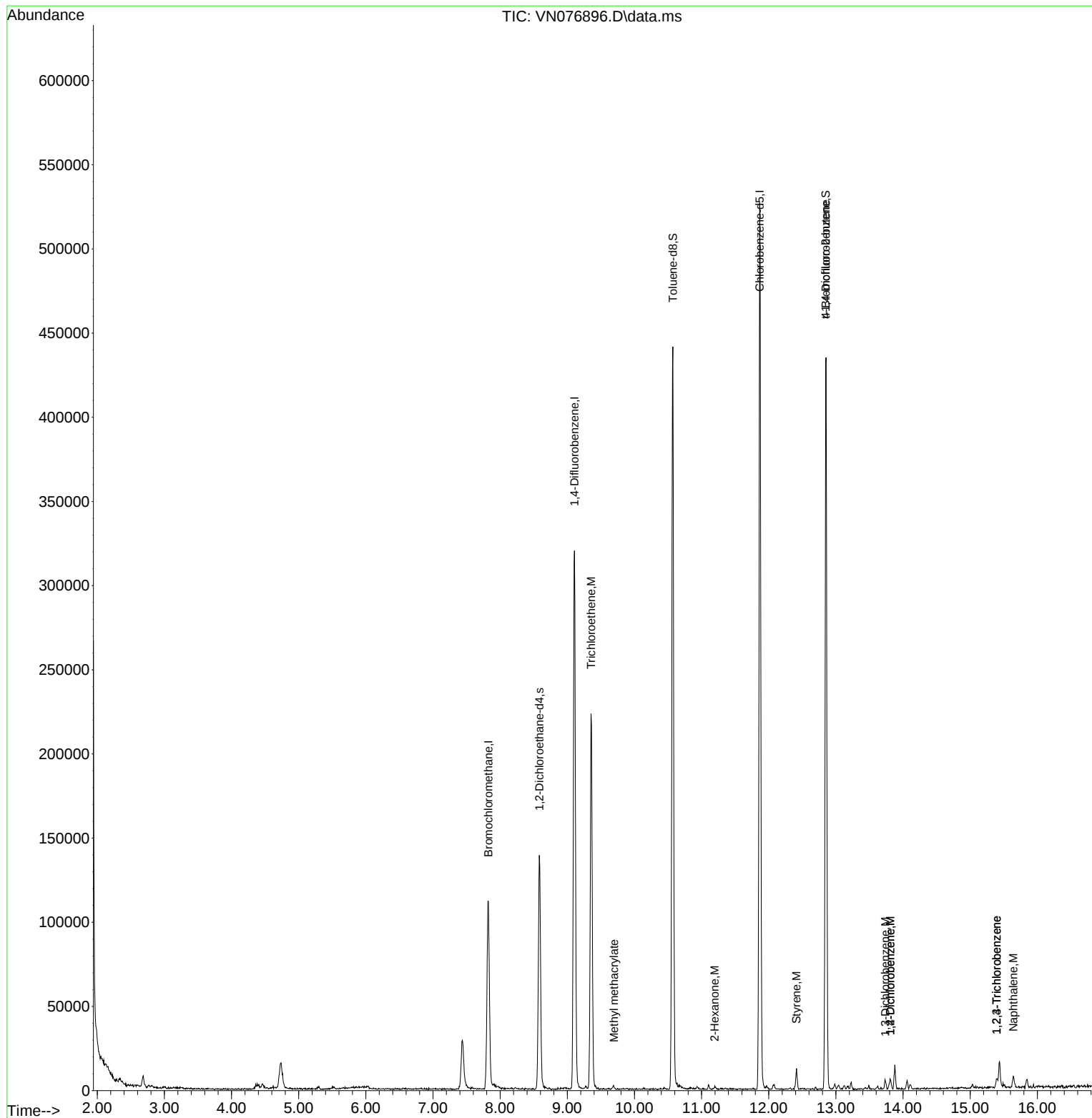
Internal Standards						
1) Bromochloromethane	7.825	128	40551	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	277884	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	309642	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	115952	31.109	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.700%			
60) 4-Bromofluorobenzene	12.848	95	160529	27.392	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.300%			
63) Toluene-d8	10.572	98	313043	28.744	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.800%			
Target Compounds						
					Qvalue	
37) Trichloroethene	9.354	130	80338	16.244	ug/l	96
46) Methyl methacrylate	9.695	41	1091	0.229	ug/l	74
59) 2-Hexanone	11.195	43	1098	0.247	ug/l #	86
69) Styrene	12.413	104	5603	0.403	ug/l	95
77) t-1,4-Dichloro-2-butene	12.848	75	84846	45.083	ug/l #	9
83) 1,3-Dichlorobenzene	13.736	146	2148	0.231	ug/l	83
84) 1,4-Dichlorobenzene	13.813	146	2745	0.304	ug/l	91
87) 1,2-Dichlorobenzene	13.813	146	2745	0.296	ug/l	92
89) 1,2,4-Trichlorobenzene	15.395	180	2655	0.536	ug/l	97
91) Naphthalene	15.642	128	7006	0.446	ug/l #	84
92) 1,2,3-Trichlorobenzene	15.395	180	2655	0.535	ug/l	98

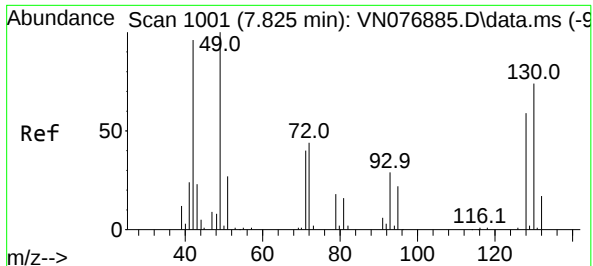
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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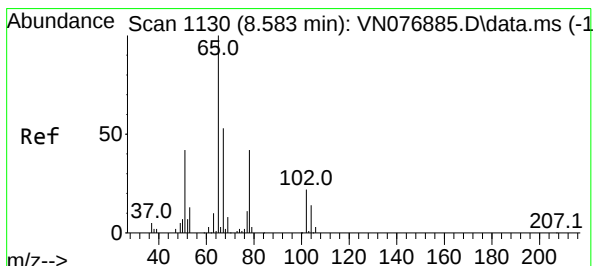
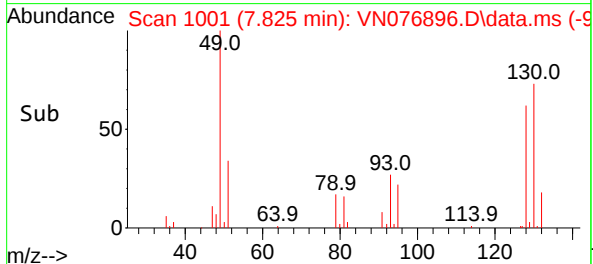
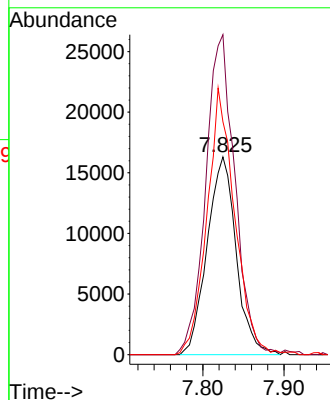
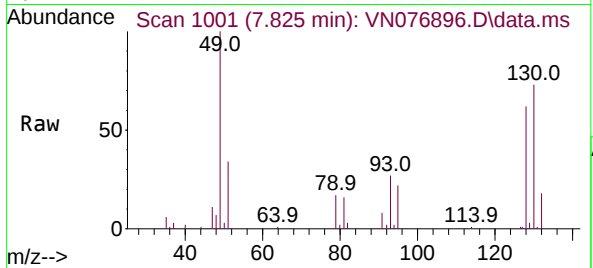




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

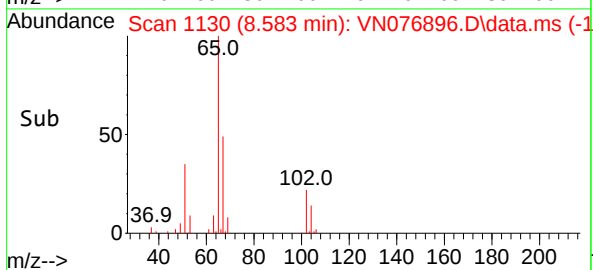
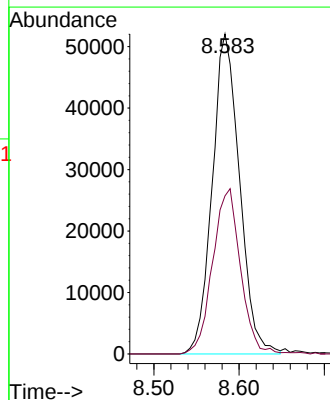
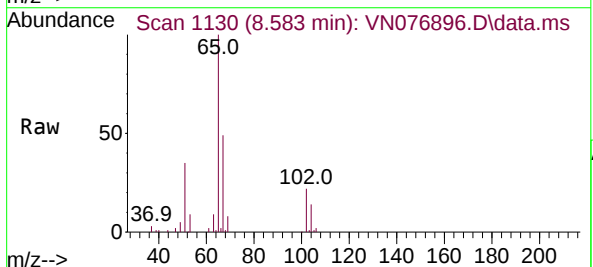
Instrument :
MSVOA_N
ClientSampleId :
TT-051-IDWGW-20230308

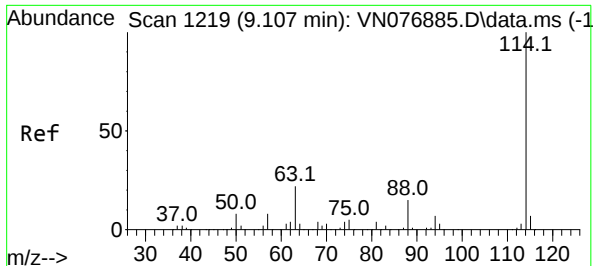
Tgt Ion:128 Resp: 40551
Ion Ratio Lower Upper
128 100
49 161.9 0.0 461.8
130 128.3 0.0 295.3



#27
1,2-Dichloroethane-d4
Concen: 31.109 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

Tgt Ion: 65 Resp: 115952
Ion Ratio Lower Upper
65 100
67 52.0 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN076896.D

Acq: 09 Mar 2023 12:27

Instrument :

MSVOA_N

ClientSampleId :

TT-051-IDWGW-20230308

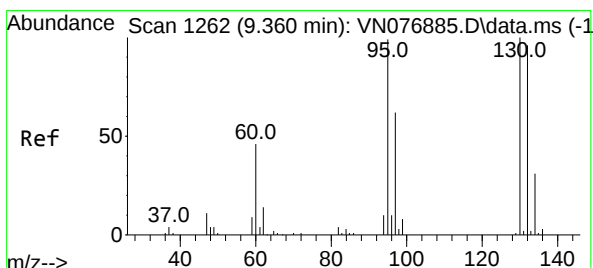
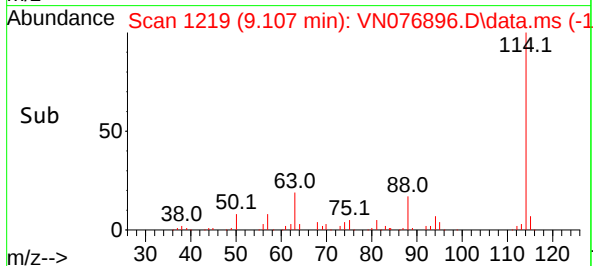
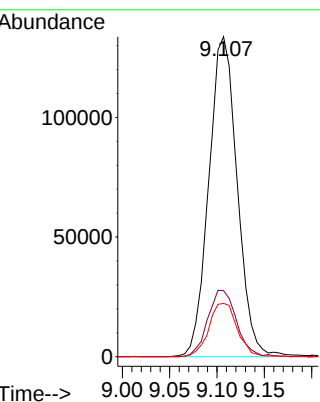
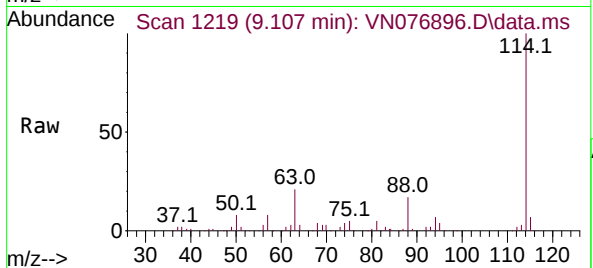
Tgt Ion:114 Resp: 277884

Ion Ratio Lower Upper

114 100

63 20.9 17.0 25.4

88 16.7 11.6 17.4



#37

Trichloroethene

Concen: 16.244 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VN076896.D

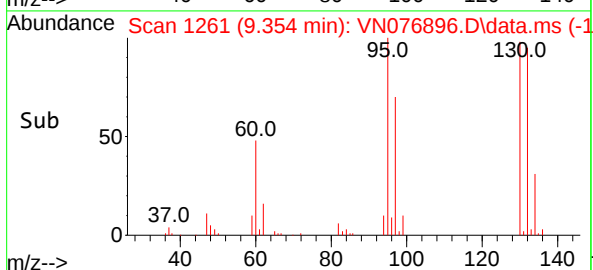
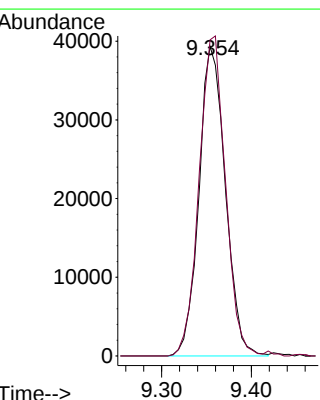
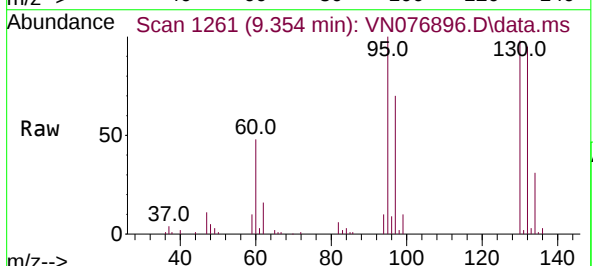
Acq: 09 Mar 2023 12:27

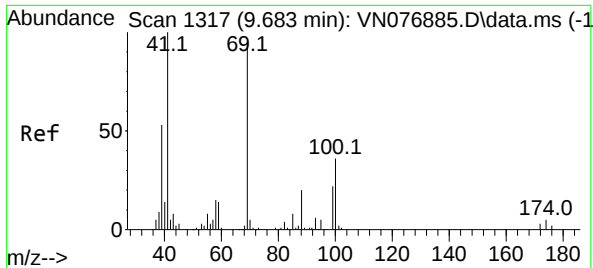
Tgt Ion:130 Resp: 80338

Ion Ratio Lower Upper

130 100

95 102.2 78.7 118.1

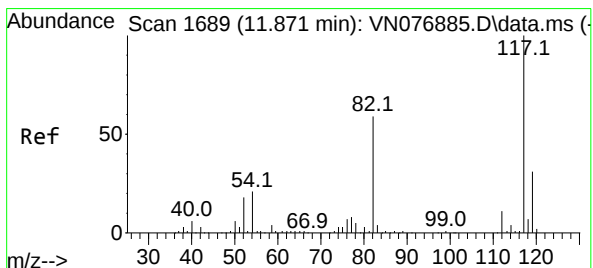
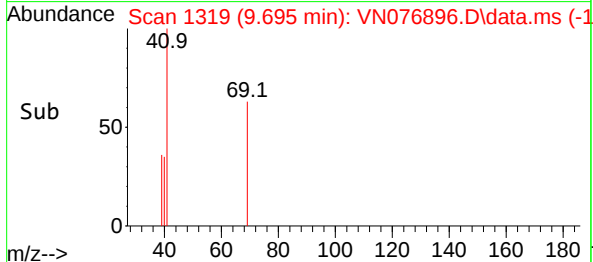
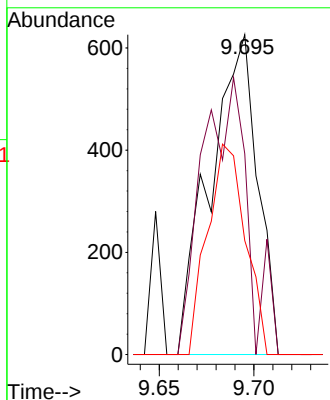
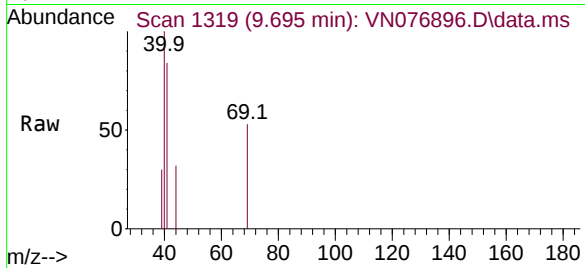




#46
Methyl methacrylate
Concen: 0.229 ug/l
RT: 9.695 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

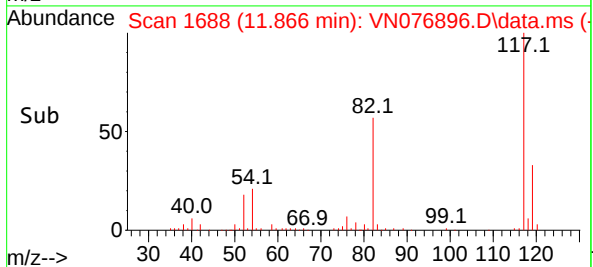
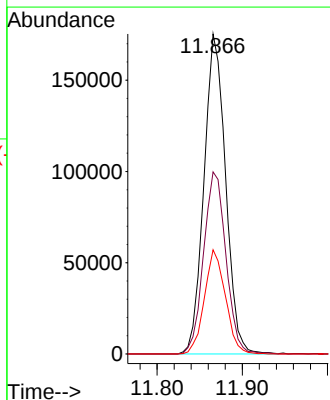
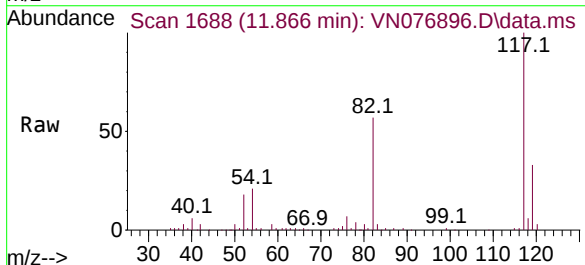
Instrument :
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TT-051-IDWGW-20230308

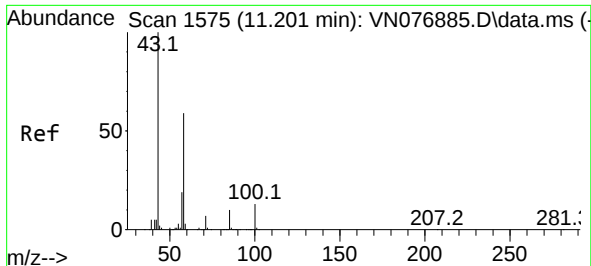
Tgt Ion:	41	Resp:	1091
Ion	Ratio	Lower	Upper
41	100		
69	62.8	40.6	121.7
39	35.6	30.5	91.5



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

Tgt Ion:	117	Resp:	309642
Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.4	68.0
119	31.6	26.8	40.2

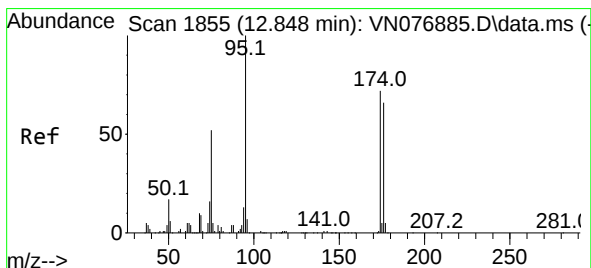
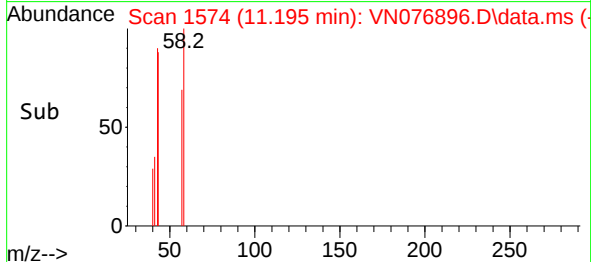
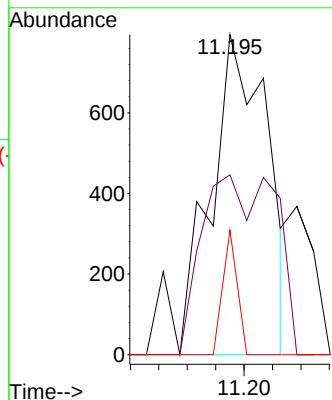
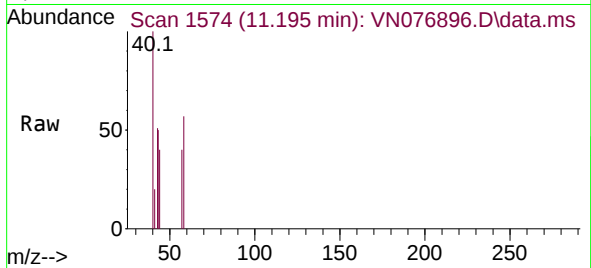




#59
2-Hexanone
Concen: 0.247 ug/l
RT: 11.195 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

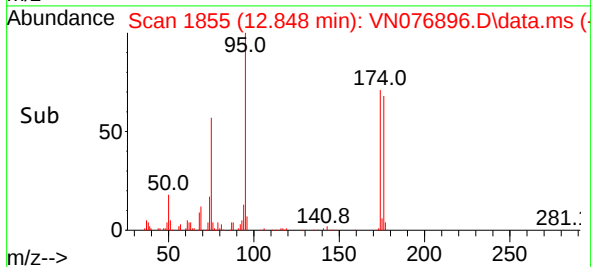
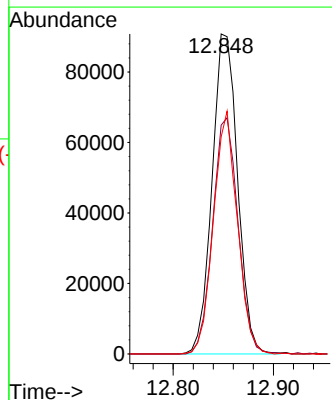
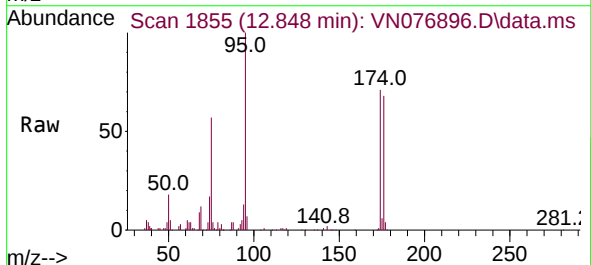
Instrument :
MSVOA_N
ClientSampleId :
TT-051-IDWGW-20230308

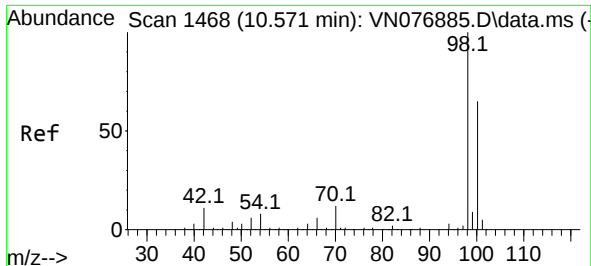
Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 46.7 40.6 60.8
57 0.0 13.1 19.7#



#60
4-Bromofluorobenzene
Concen: 27.392 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

Tgt Ion: 95 Resp: 160529
Ion Ratio Lower Upper
95 100
174 73.3 64.2 96.4
176 71.1 61.4 92.0

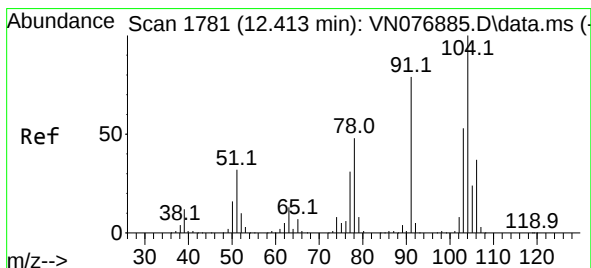
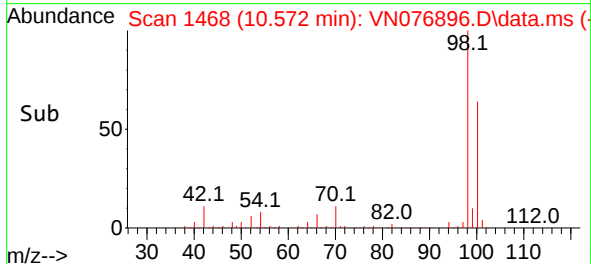
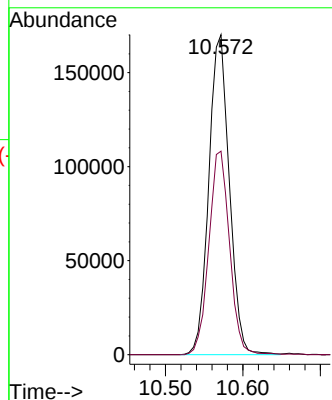
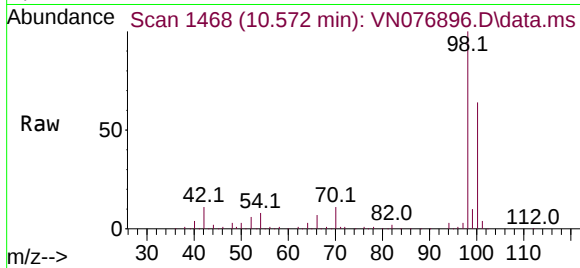




#63
Toluene-d8
Concen: 28.744 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

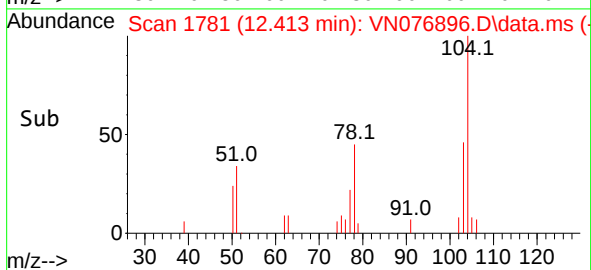
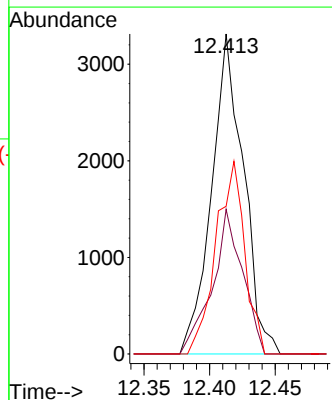
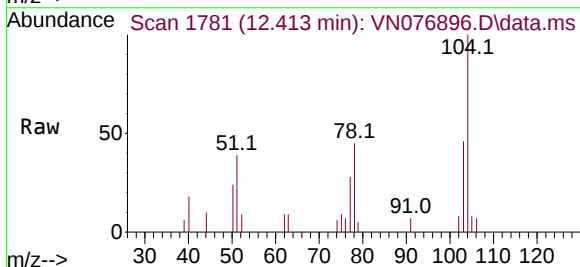
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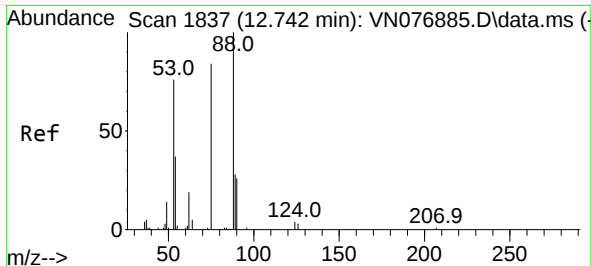
Tgt Ion: 98 Resp: 313043
Ion Ratio Lower Upper
98 100
100 64.1 53.8 80.6



#69
Styrene
Concen: 0.403 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

Tgt Ion:104 Resp: 5603
Ion Ratio Lower Upper
104 100
78 42.9 39.6 59.4
103 54.3 43.9 65.9

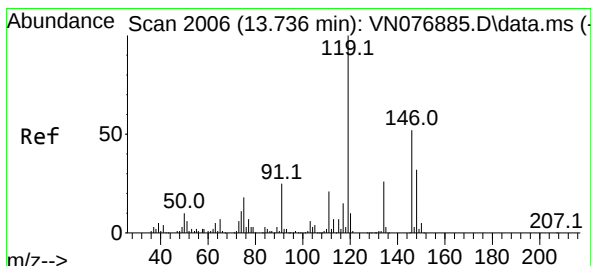
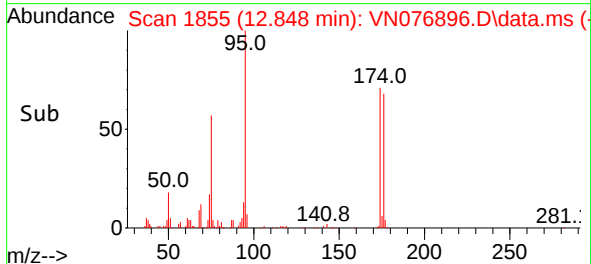
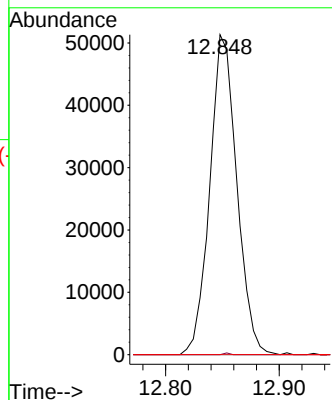
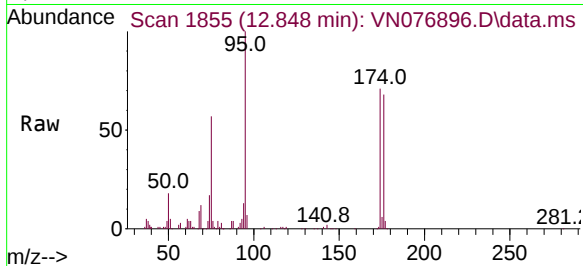




#77
t-1,4-Dichloro-2-butene
Concen: 45.083 ug/l
RT: 12.848 min Scan# 1837
Delta R.T. 0.112 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

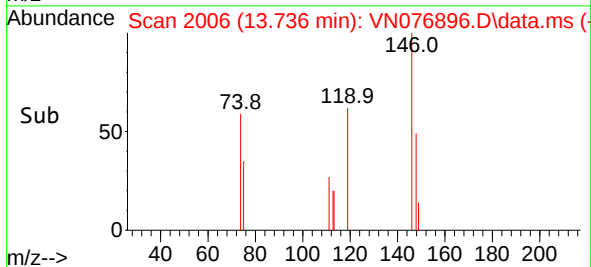
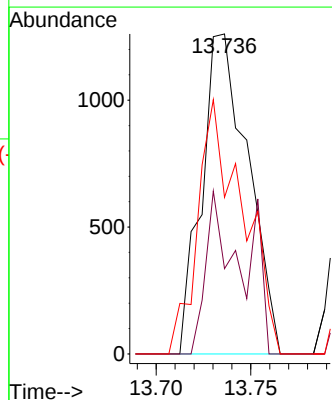
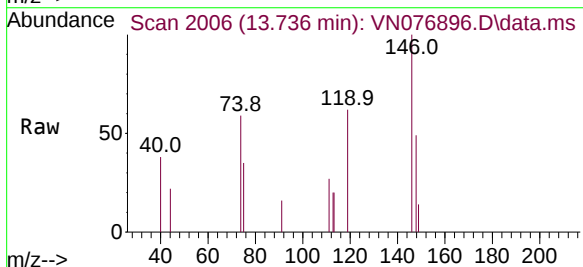
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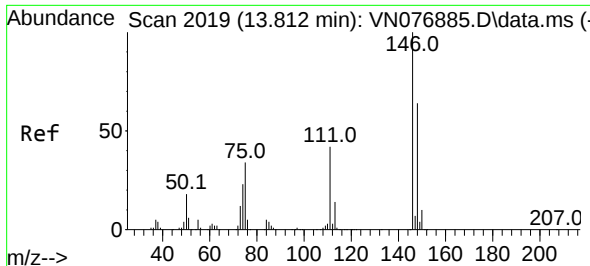
Tgt Ion: 75 Resp: 84846
Ion Ratio Lower Upper
75 100
53 0.0 50.4 151.3#
89 0.0 22.1 66.5#



#83
1,3-Dichlorobenzene
Concen: 0.231 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

Tgt Ion:146 Resp: 2148
Ion Ratio Lower Upper
146 100
111 29.8 20.3 60.8
148 77.3 31.9 95.5





#84

1,4-Dichlorobenzene

Concen: 0.304 ug/l

RT: 13.813 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VN076896.D

Acq: 09 Mar 2023 12:27

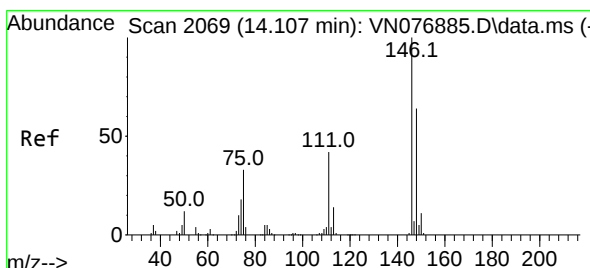
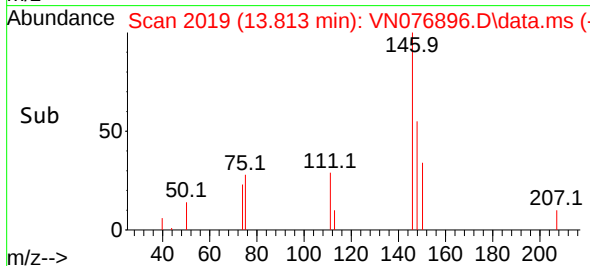
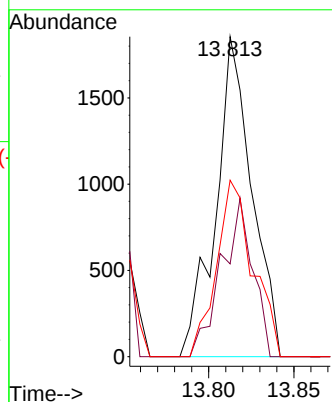
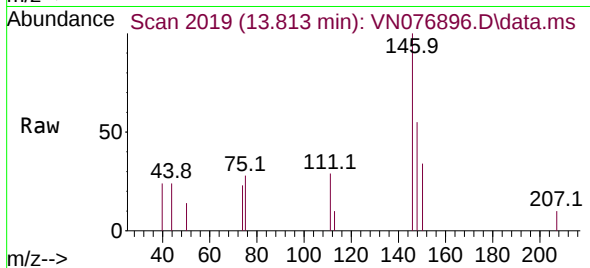
Instrument :

MSVOA_N

ClientSampleId :

TT-051-IDWGW-20230308

Tgt Ion:146	Resp:	2745
Ion Ratio	Lower	Upper
146	100	
111	42.7	18.2 54.6
148	55.4	31.1 93.2



#87

1,2-Dichlorobenzene

Concen: 0.296 ug/l

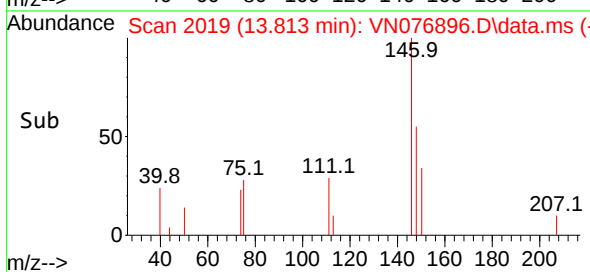
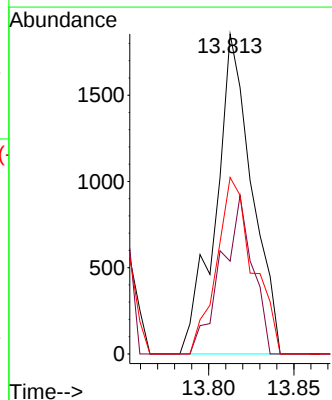
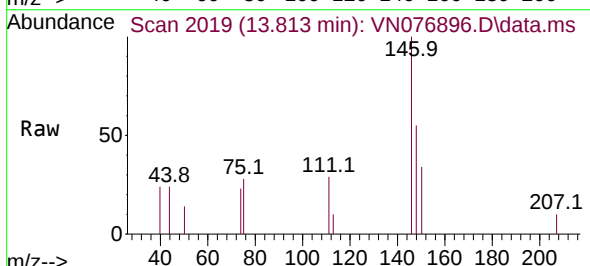
RT: 13.813 min Scan# 2019

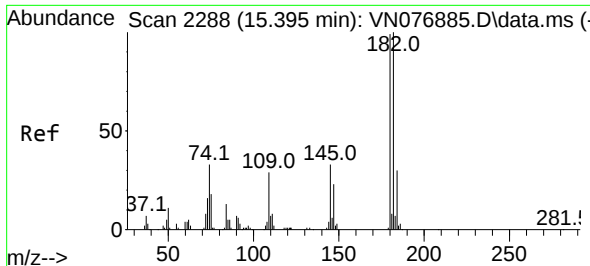
Delta R.T. -0.294 min

Lab File: VN076896.D

Acq: 09 Mar 2023 12:27

Tgt Ion:146	Resp:	2745
Ion Ratio	Lower	Upper
146	100	
111	42.7	20.5 61.6
148	55.4	32.5 97.5

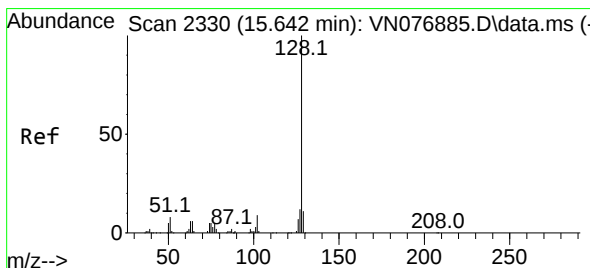
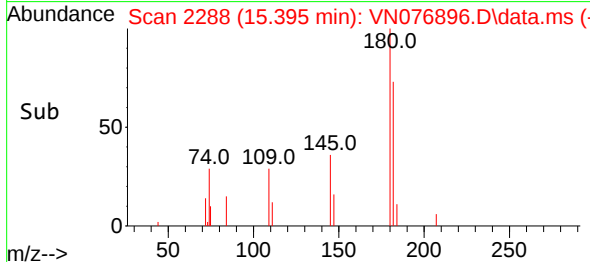
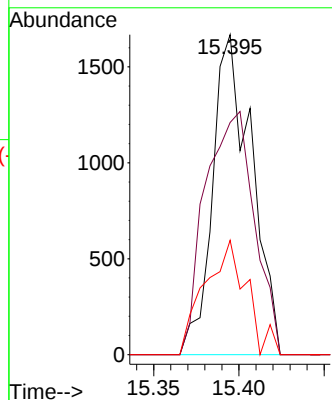
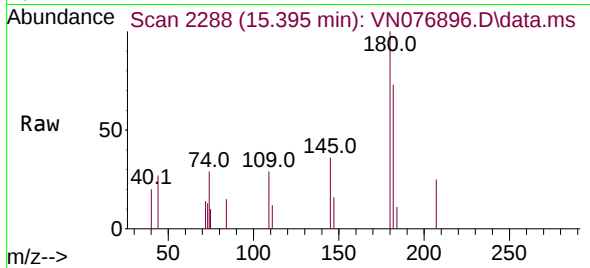




#89
1,2,4-Trichlorobenzene
Concen: 0.536 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

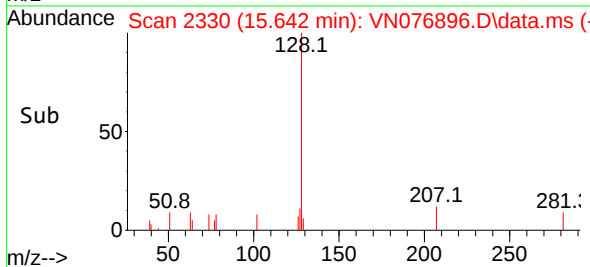
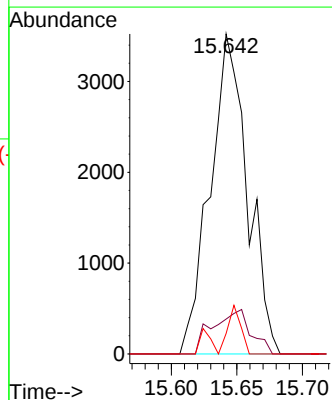
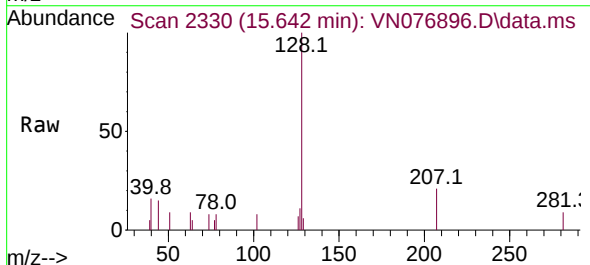
Instrument :
MSVOA_N
ClientSampleId :
TT-051-IDWGW-20230308

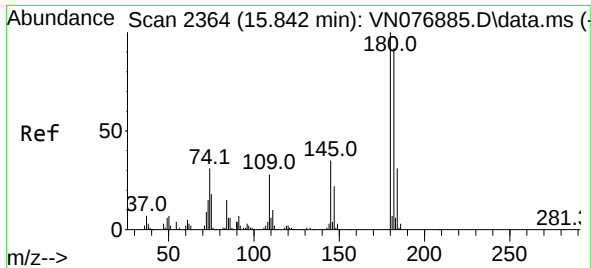
Tgt Ion:180 Resp: 2655
Ion Ratio Lower Upper
180 100
182 95.7 76.6 115.0
145 36.2 24.6 36.8



#91
Naphthalene
Concen: 0.446 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076896.D
Acq: 09 Mar 2023 12:27

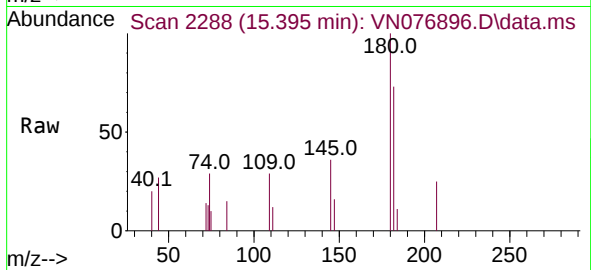
Tgt Ion:128 Resp: 7006
Ion Ratio Lower Upper
128 100
127 6.9 11.0 16.6#
129 5.2 8.9 13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.535 ug/l
 RT: 15.395 min Scan# 21
 Delta R.T. -0.447 min
 Lab File: VN076896.D
 Acq: 09 Mar 2023 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-051-IDWGW-20230308



Tgt Ion:	180	Resp:	2655
Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	190.8
145	36.2	0.0	65.0

