

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076898.D
 Acq On : 09 Mar 2023 13:15
 Operator : JC\MD
 Sample : 01852-02DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW5-IDWGW-20230308DL

Quant Time: Mar 10 01:31:28 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)

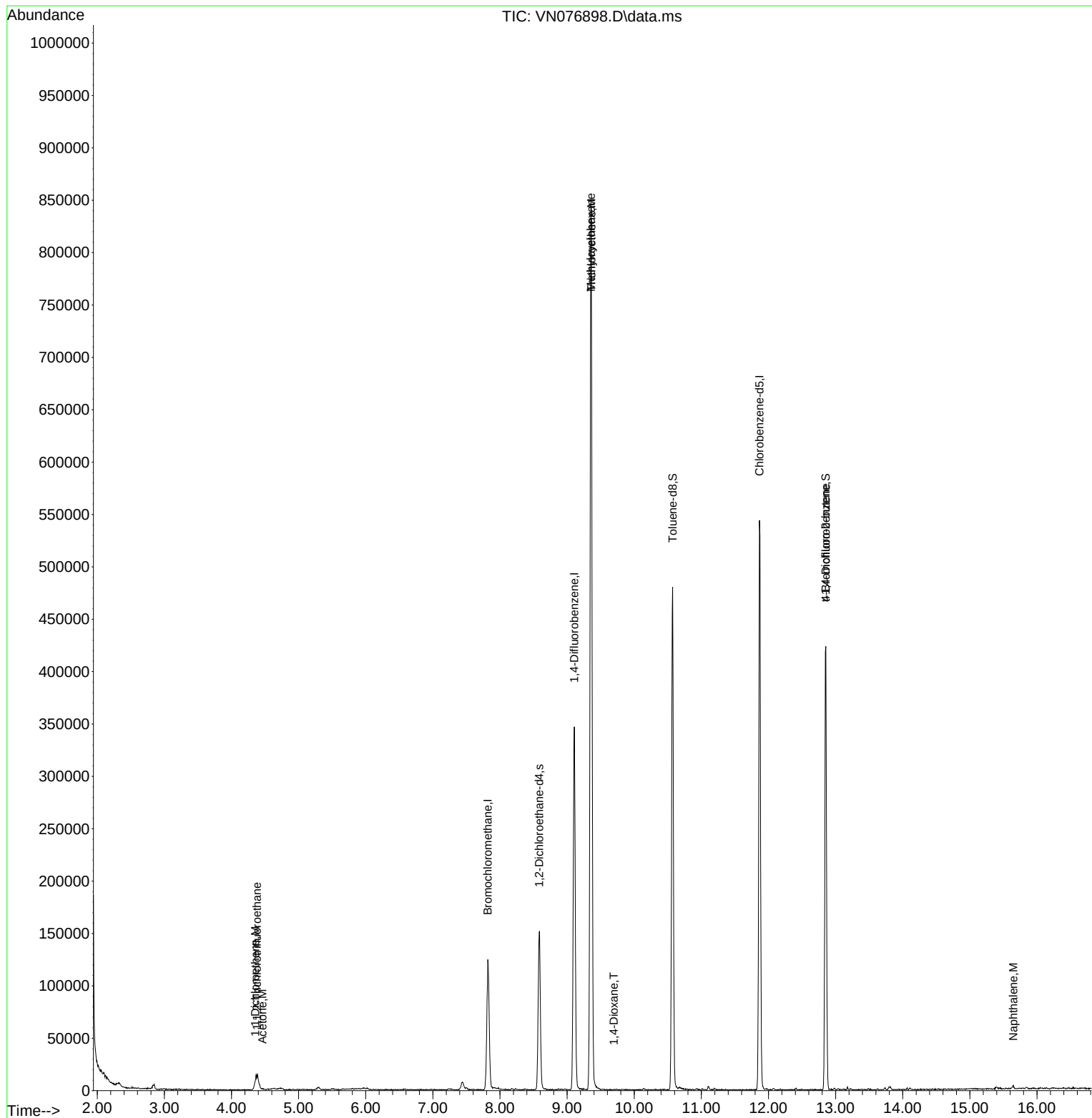
Internal Standards						
1) Bromochloromethane	7.819	128	43904	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	295346	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	321443	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	126691	31.394	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.633%
60) 4-Bromofluorobenzene	12.854	95	155718	25.596	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.333%
63) Toluene-d8	10.572	98	330794	29.258	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.533%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.378	101	3647	0.736	ug/l	34
10) 1,1-Dichloroethene	4.354	96	3897	0.810	ug/l #	57
15) Acetone	4.460	58	169	0.238	ug/l #	1
37) Trichloroethene	9.360	130	302640	57.575	ug/l	95
38) Methylcyclohexane	9.354	83	4125	0.476	ug/l #	1
45) 1,4-Dioxane	9.695	88	173	1.981	ug/l #	24
77) t-1,4-Dichloro-2-butene	12.854	75	82077	42.011	ug/l #	9
91) Naphthalene	15.648	128	3399	0.209	ug/l #	93

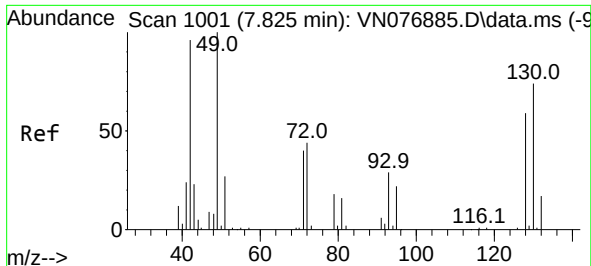
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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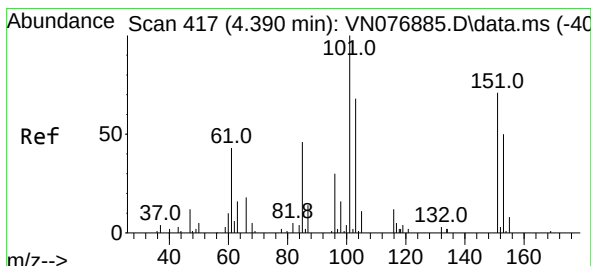
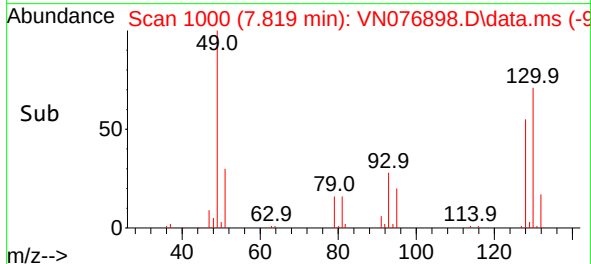
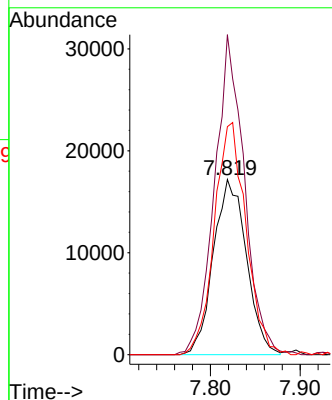
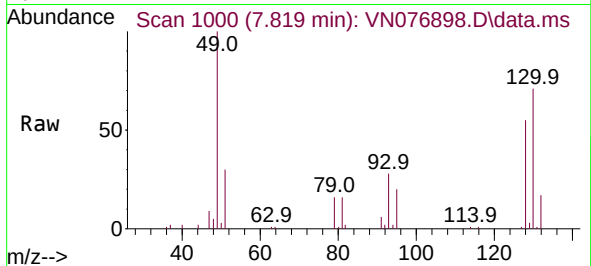




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VN076898.D
Acq: 09 Mar 2023 13:15

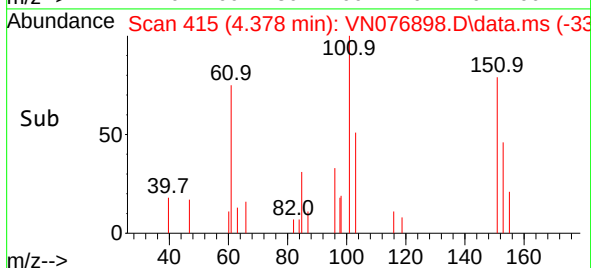
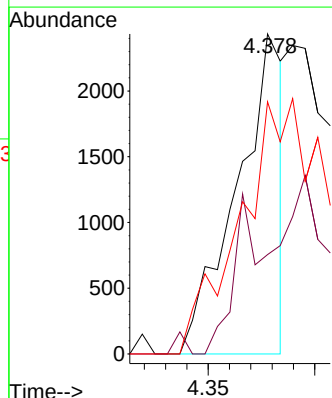
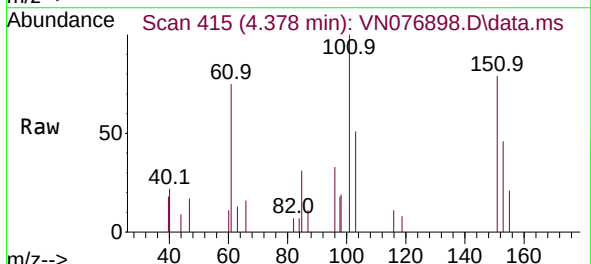
Instrument :
MSVOA_N
ClientSampleId :
RW5-IDWGW-20230308DL

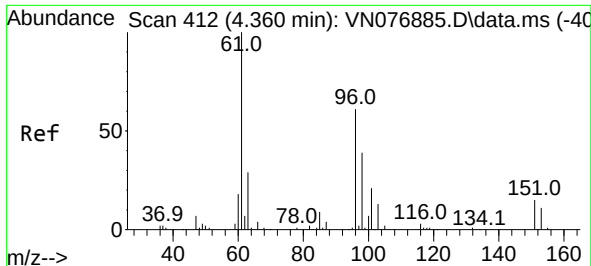
Tgt Ion:128 Resp: 43904
Ion Ratio Lower Upper
128 100
49 164.1 0.0 461.8
130 127.1 0.0 295.3



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.736 ug/l
RT: 4.378 min Scan# 415
Delta R.T. -0.012 min
Lab File: VN076898.D
Acq: 09 Mar 2023 13:15

Tgt Ion:101 Resp: 3647
Ion Ratio Lower Upper
101 100
85 73.3 0.0 95.2
151 141.7 0.0 142.2





#10

1,1-Dichloroethene

Concen: 0.810 ug/l

RT: 4.354 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN076898.D

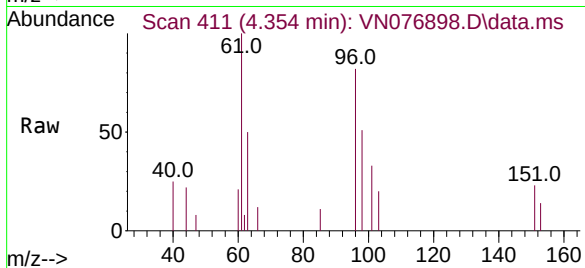
Acq: 09 Mar 2023 13:15

Instrument :

MSVOA_N

ClientSampleId :

RW5-IDWGW-20230308DL



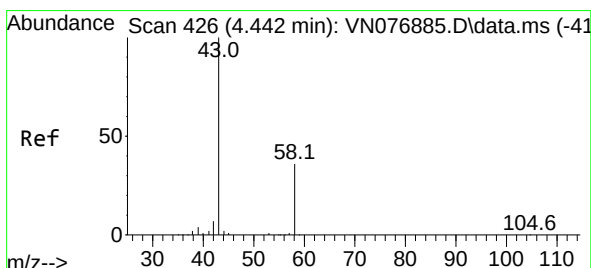
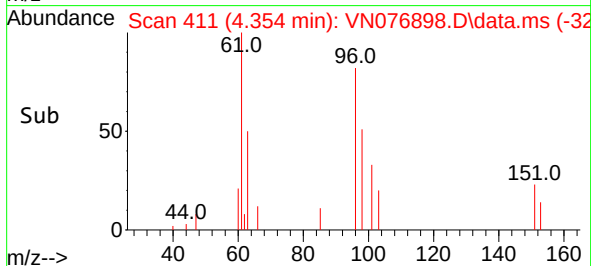
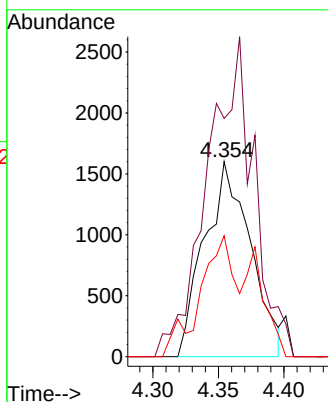
Tgt Ion: 96 Resp: 3897

Ion Ratio Lower Upper

96 100

61 100.6 137.1 205.7#

98 50.6 53.2 79.8#



#15

Acetone

Concen: 0.238 ug/l

RT: 4.460 min Scan# 429

Delta R.T. 0.023 min

Lab File: VN076898.D

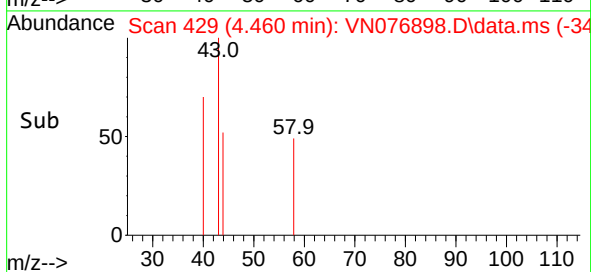
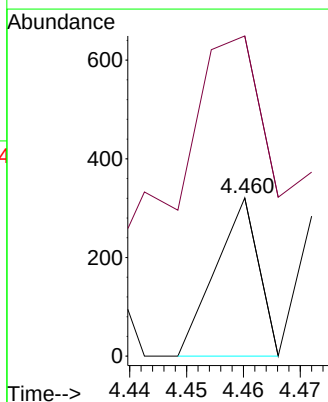
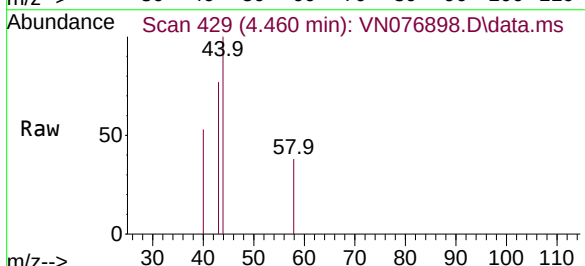
Acq: 09 Mar 2023 13:15

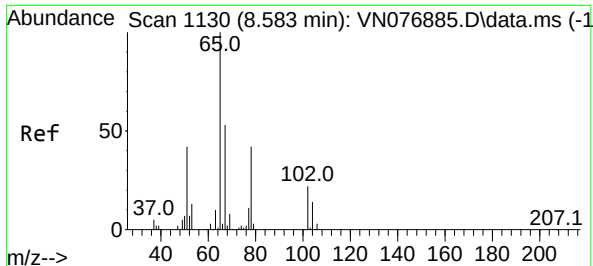
Tgt Ion: 58 Resp: 169

Ion Ratio Lower Upper

58 100

43 110.0 255.4 383.0#





#27

1,2-Dichloroethane-d4

Concen: 31.394 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN076898.D

Acq: 09 Mar 2023 13:15

Instrument :

MSVOA_N

ClientSampleId :

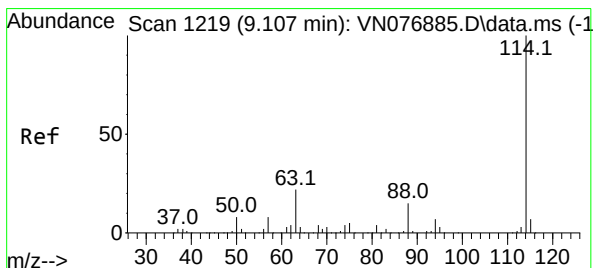
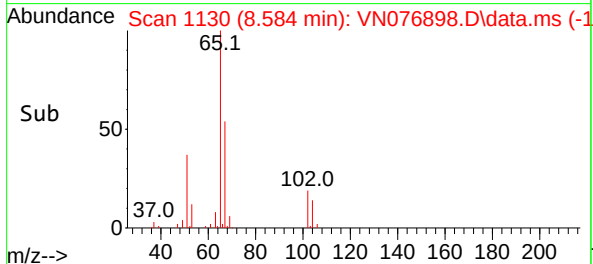
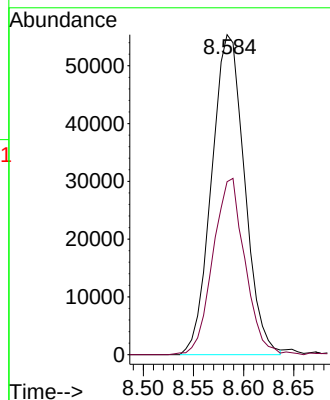
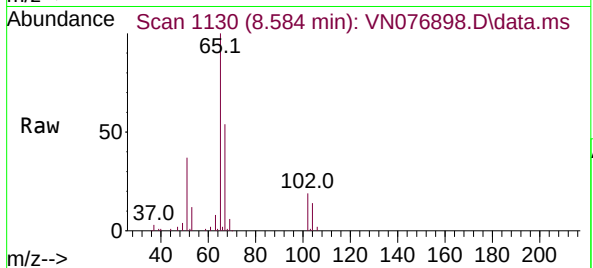
RW5-IDWGW-20230308DL

Tgt Ion: 65 Resp: 126691

Ion Ratio Lower Upper

65 100

67 53.3 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076898.D

Acq: 09 Mar 2023 13:15

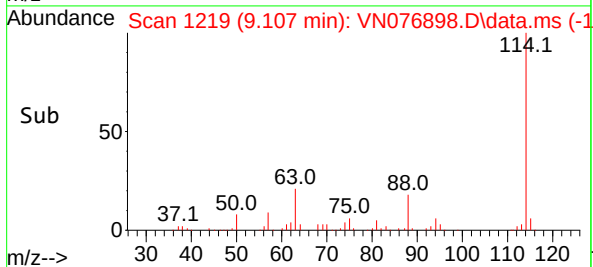
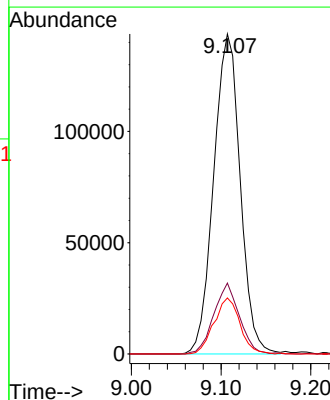
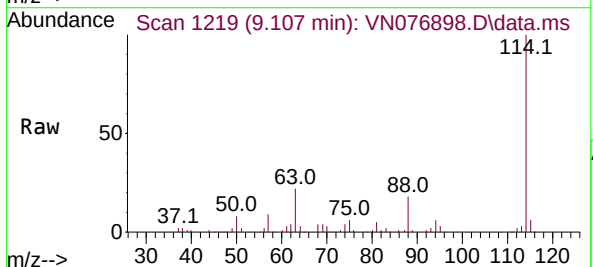
Tgt Ion: 114 Resp: 295346

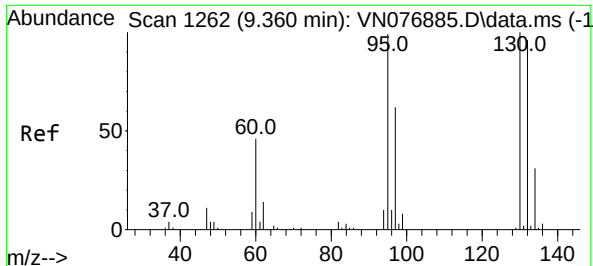
Ion Ratio Lower Upper

114 100

63 21.2 17.0 25.4

88 17.1 11.6 17.4





#37

Trichloroethene

Concen: 57.575 ug/l

RT: 9.360 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN076898.D

Acq: 09 Mar 2023 13:15

Instrument :

MSVOA_N

ClientSampleId :

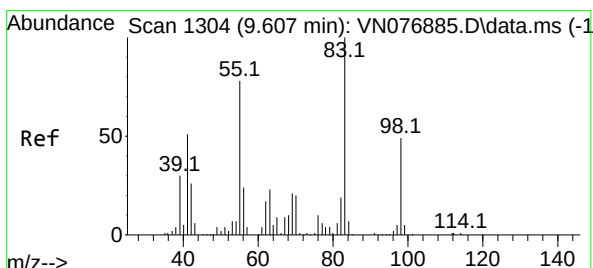
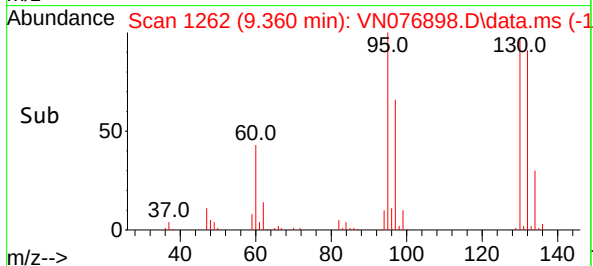
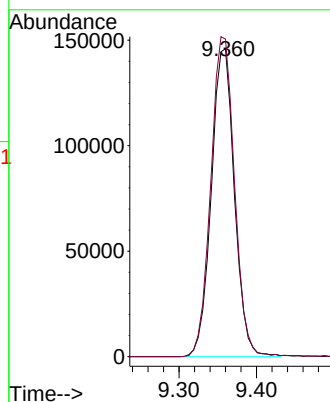
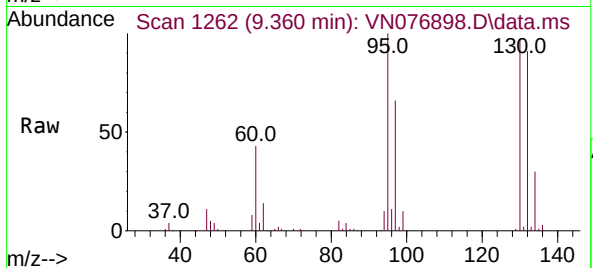
RW5-IDWGW-20230308DL

Tgt Ion:130 Resp: 302640

Ion Ratio Lower Upper

130 100

95 103.2 78.7 118.1



#38

Methylcyclohexane

Concen: 0.476 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. -0.253 min

Lab File: VN076898.D

Acq: 09 Mar 2023 13:15

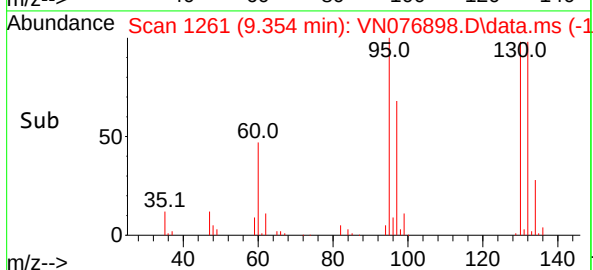
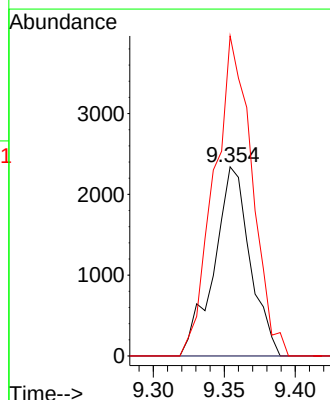
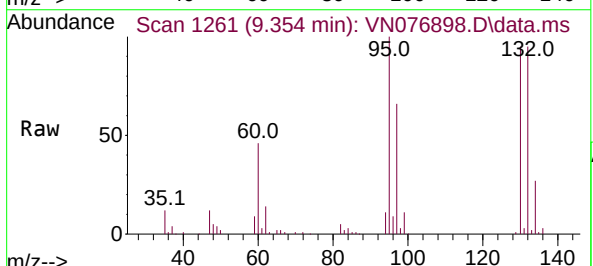
Tgt Ion: 83 Resp: 4125

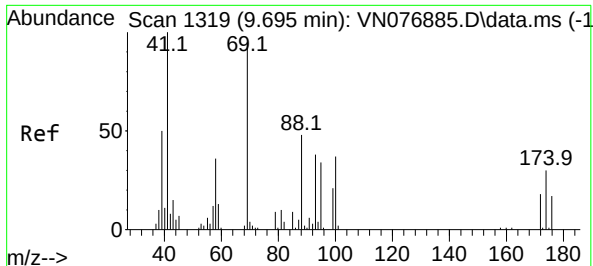
Ion Ratio Lower Upper

83 100

55 0.0 37.6 112.9#

98 178.8 24.1 72.4#

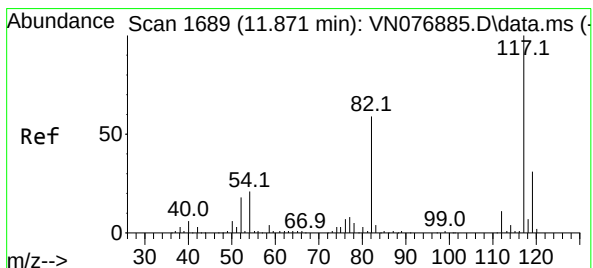
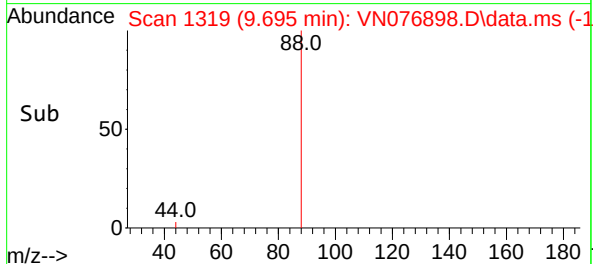
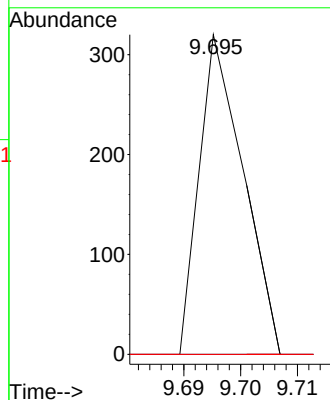
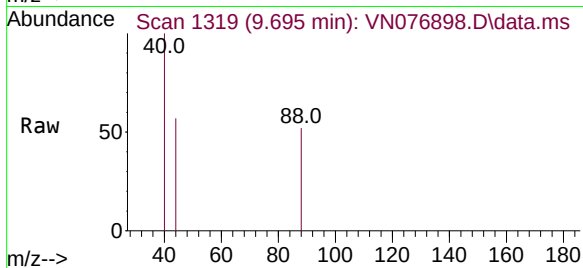




#45
1,4-Dioxane
Concen: 1.981 ug/l
RT: 9.695 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN076898.D
Acq: 09 Mar 2023 13:15

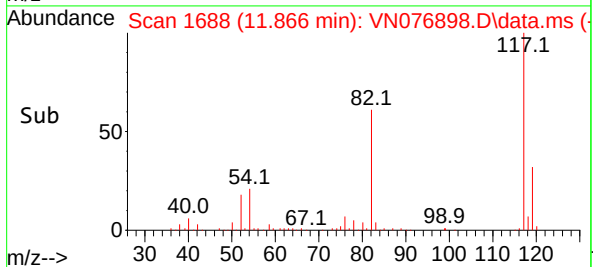
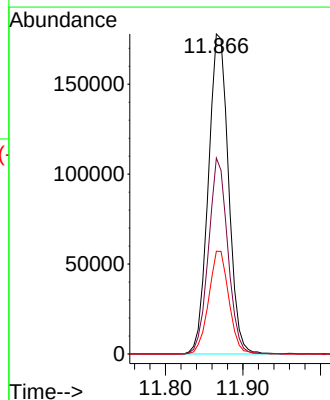
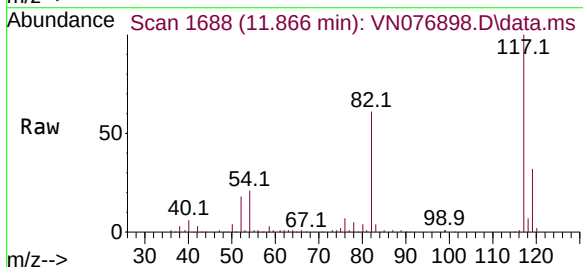
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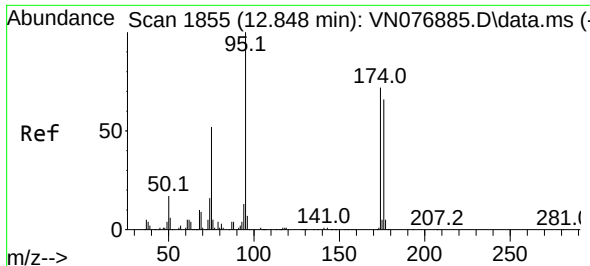
Tgt Ion:	88	Resp:	173
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.0	39.0#
58	0.0	54.3	81.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN076898.D
Acq: 09 Mar 2023 13:15

Tgt Ion:	117	Resp:	321443
Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.4	68.0
119	32.2	26.8	40.2

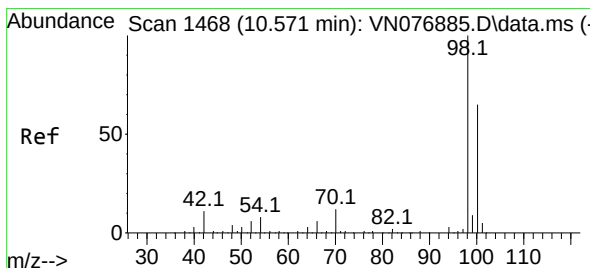
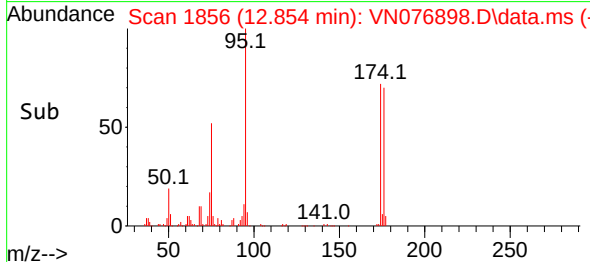
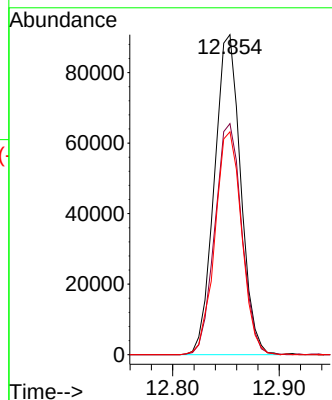
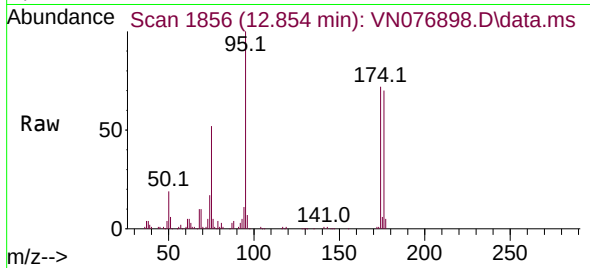




#60
4-Bromofluorobenzene
Concen: 25.596 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076898.D
Acq: 09 Mar 2023 13:15

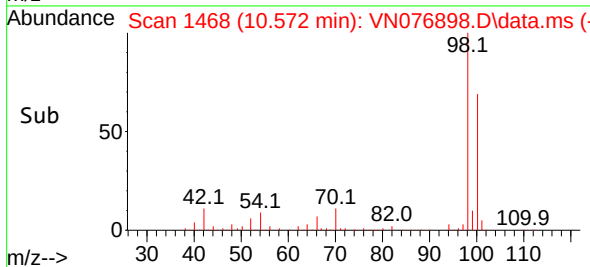
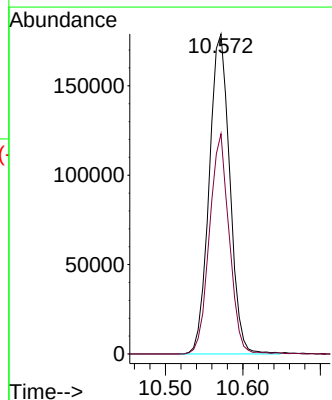
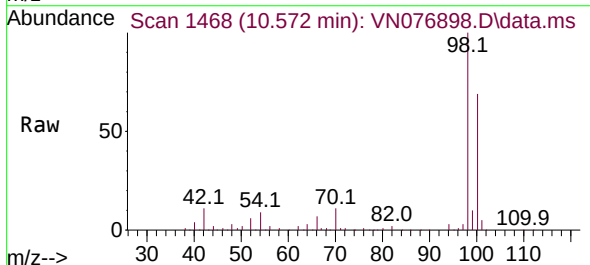
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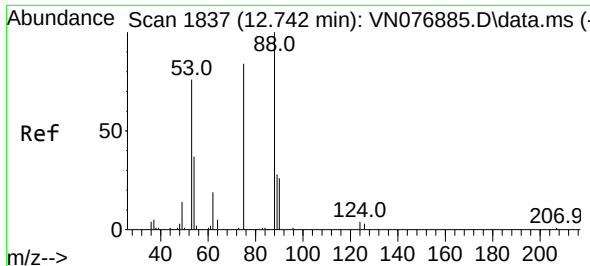
Tgt Ion: 95 Resp: 155718
Ion Ratio Lower Upper
95 100
174 73.9 64.2 96.4
176 70.7 61.4 92.0



#63
Toluene-d8
Concen: 29.258 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076898.D
Acq: 09 Mar 2023 13:15

Tgt Ion: 98 Resp: 330794
Ion Ratio Lower Upper
98 100
100 65.3 53.8 80.6

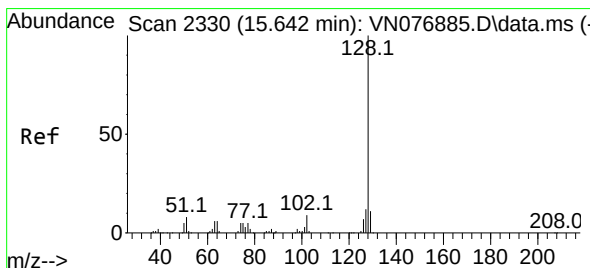
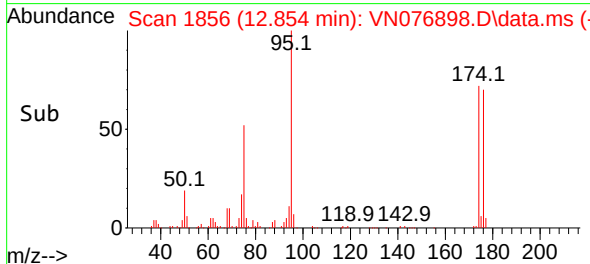
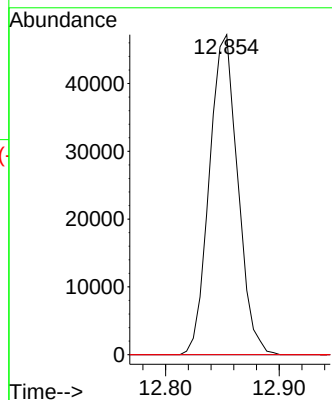
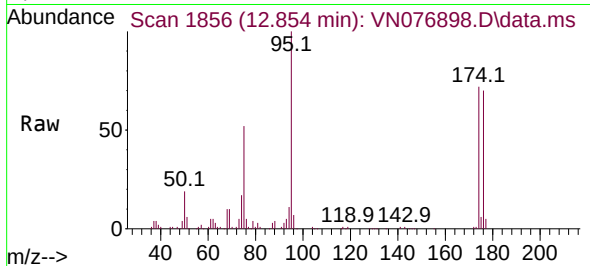




#77
t-1,4-Dichloro-2-butene
Concen: 42.011 ug/l
RT: 12.854 min Scan# 1837
Delta R.T. 0.118 min
Lab File: VN076898.D
Acq: 09 Mar 2023 13:15

Instrument :
MSVOA_N
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RW5-IDWGW-20230308DL

Tgt Ion: 75 Resp: 82077
Ion Ratio Lower Upper
75 100
53 0.0 50.4 151.3#
89 0.0 22.1 66.5#



#91
Naphthalene
Concen: 0.209 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN076898.D
Acq: 09 Mar 2023 13:15

Tgt Ion: 128 Resp: 3399
Ion Ratio Lower Upper
128 100
127 14.6 11.0 16.6
129 6.4 8.9 13.3#

