

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076899.D
 Acq On : 09 Mar 2023 13:40
 Operator : JC\MD
 Sample : 01852-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 10 01:31:49 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)

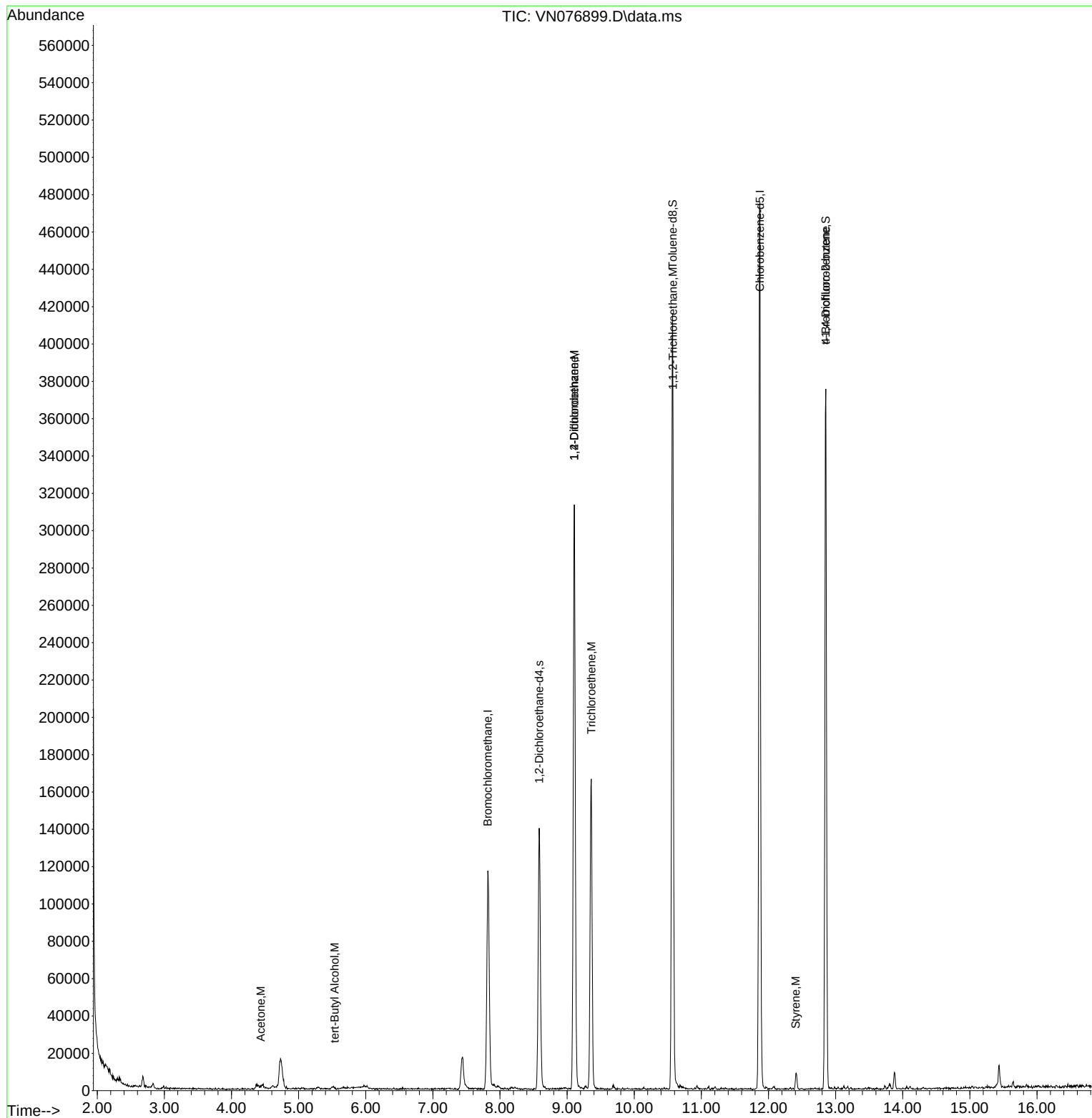
Internal Standards						
1) Bromochloromethane	7.819	128	42418	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	268372	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	284462	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	119813	30.730	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.433%
60) 4-Bromofluorobenzene	12.854	95	138779	25.777	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.933%
63) Toluene-d8	10.572	98	296361	29.621	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.733%
Target Compounds						
					Qvalue	
15) Acetone	4.437	58	249	0.363	ug/l #	1
23) tert-Butyl Alcohol	5.537	59	230	0.315	ug/l #	100
36) 1,2-Dichloroethane	9.107	62	9733	1.498	ug/l #	75
37) Trichloroethene	9.360	130	60562	12.680	ug/l	94
50) 1,1,2-Trichloroethane	10.577	97	9405	2.024	ug/l #	1
69) Styrene	12.407	104	4619	0.362	ug/l	94
77) t-1,4-Dichloro-2-butene	12.854	75	71263	41.218	ug/l #	9

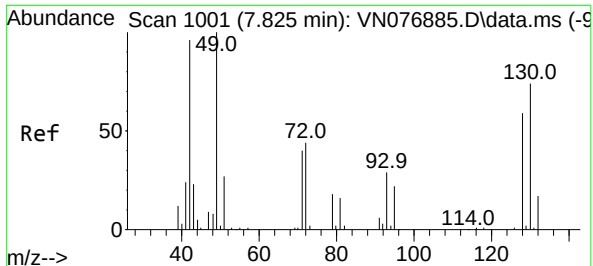
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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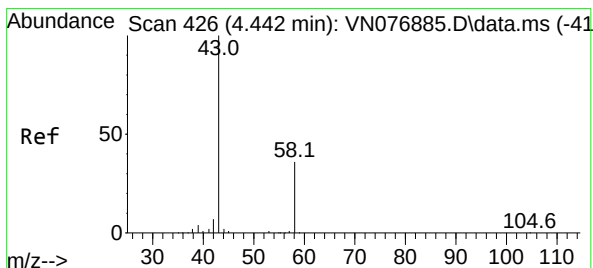
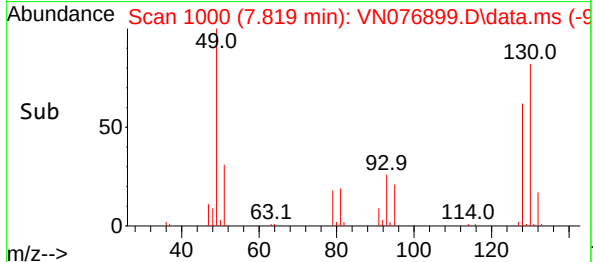
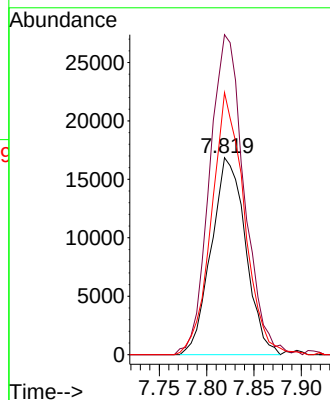
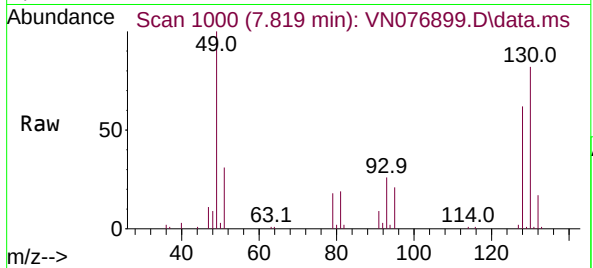




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VN076899.D
Acq: 09 Mar 2023 13:40

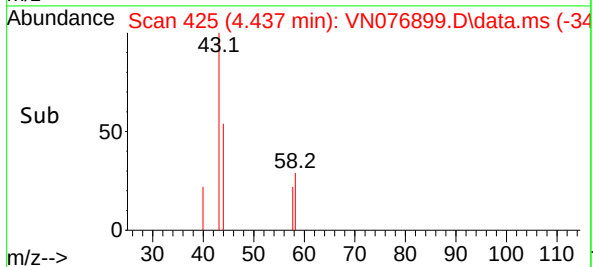
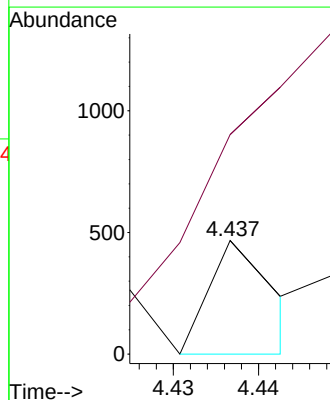
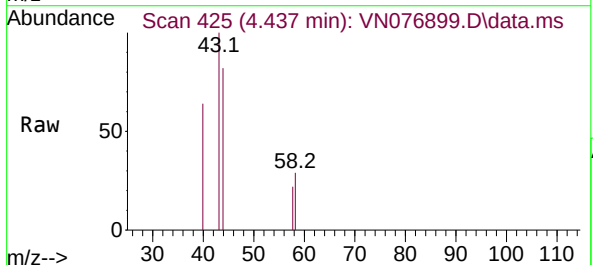
Instrument :
MSVOA_N
ClientSampleId :
TT-051-IDWGW-20230308

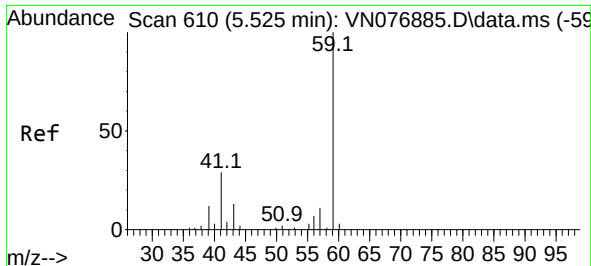
Tgt Ion:	128	Resp:	42418
Ion	Ratio	Lower	Upper
128	100		
49	163.9	0.0	461.8
130	127.1	0.0	295.3



#15
Acetone
Concen: 0.363 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN076899.D
Acq: 09 Mar 2023 13:40

Tgt Ion:	58	Resp:	249
Ion	Ratio	Lower	Upper
58	100		
43	95.1	255.4	383.0#





#23

tert-Butyl Alcohol

Concen: 0.315 ug/l

RT: 5.537 min Scan# 610

Delta R.T. 0.006 min

Lab File: VN076899.D

Acq: 09 Mar 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

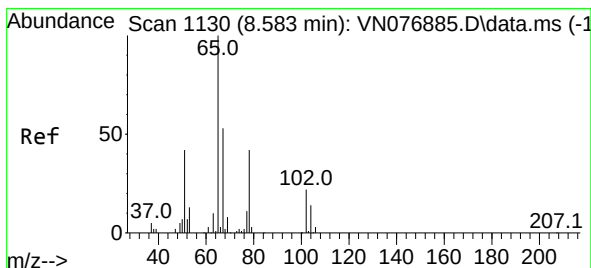
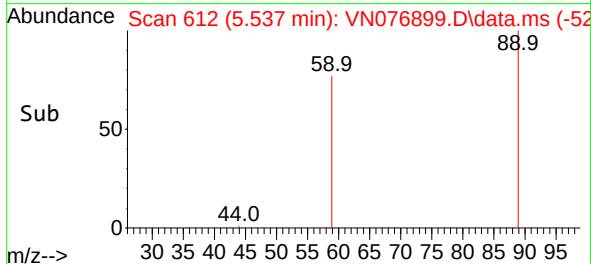
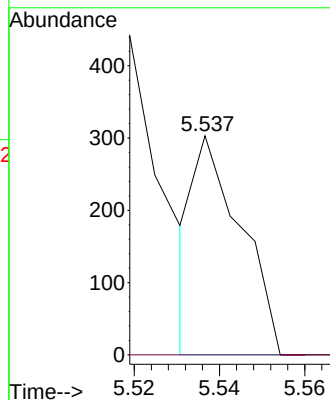
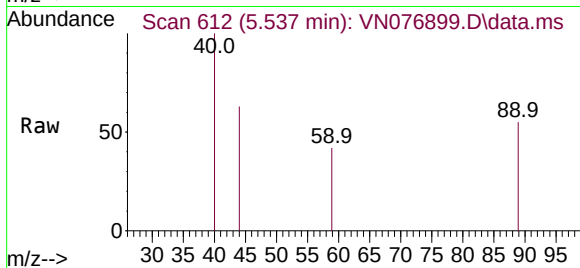
TT-051-IDWGW-20230308

Tgt Ion: 59 Resp: 230

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#



#27

1,2-Dichloroethane-d4

Concen: 30.730 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN076899.D

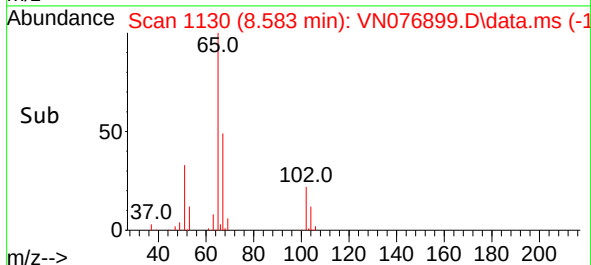
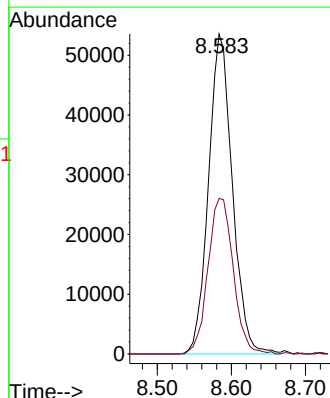
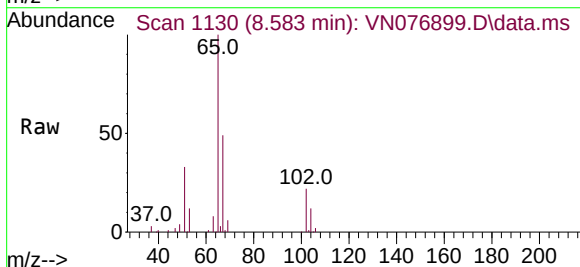
Acq: 09 Mar 2023 13:40

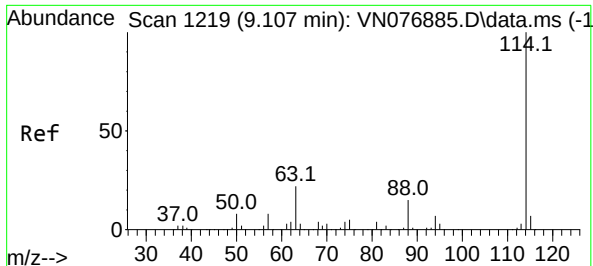
Tgt Ion: 65 Resp: 119813

Ion Ratio Lower Upper

65 100

67 51.4 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: VN076899.D

Acq: 09 Mar 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

TT-051-IDWGW-20230308

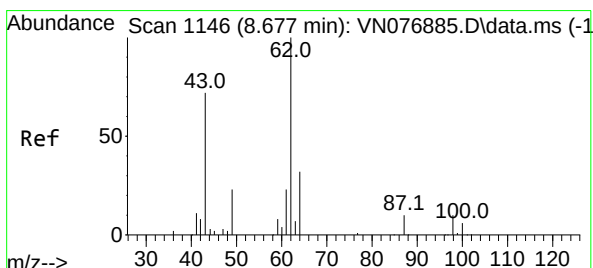
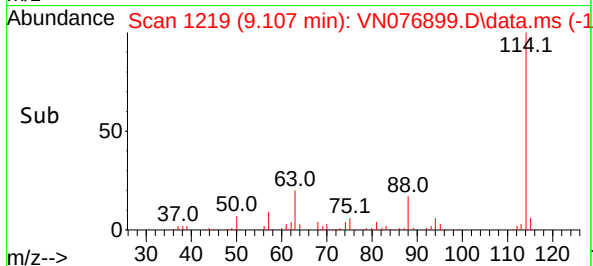
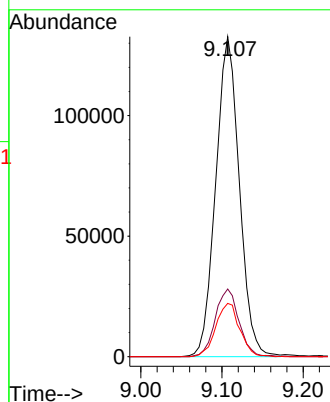
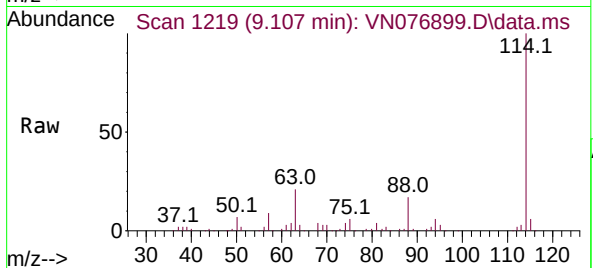
Tgt Ion:114 Resp: 268372

Ion Ratio Lower Upper

114 100

63 21.1 17.0 25.4

88 16.9 11.6 17.4



#36

1,2-Dichloroethane

Concen: 1.498 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.429 min

Lab File: VN076899.D

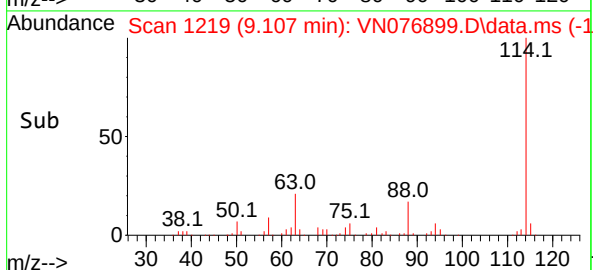
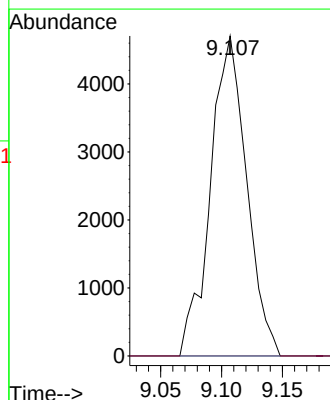
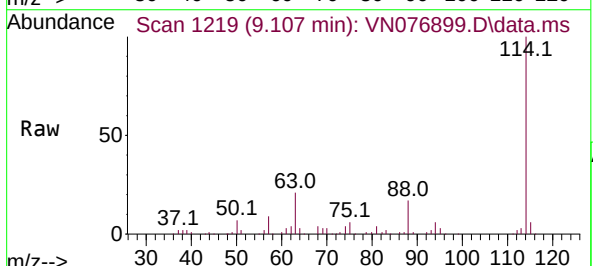
Acq: 09 Mar 2023 13:40

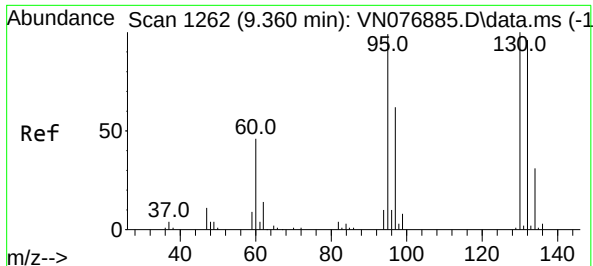
Tgt Ion: 62 Resp: 9733

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#





#37

Trichloroethene

Concen: 12.680 ug/l

RT: 9.360 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN076899.D

Acq: 09 Mar 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

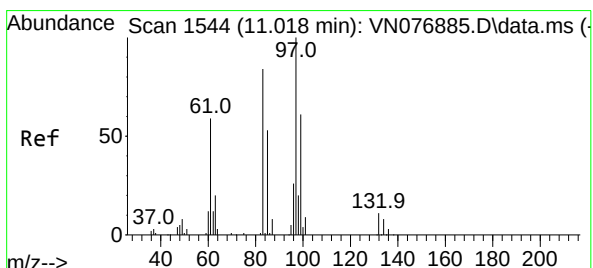
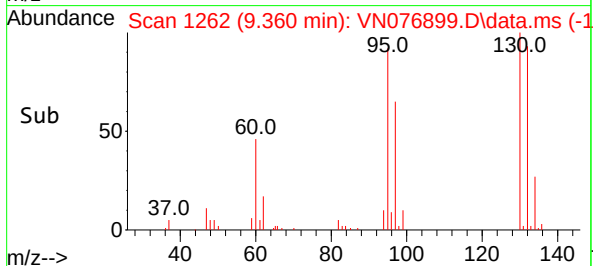
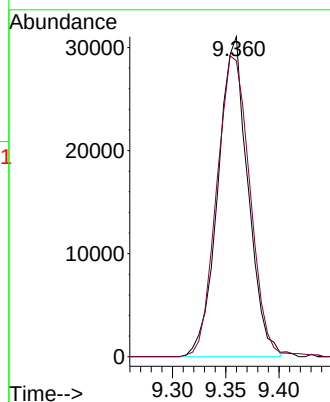
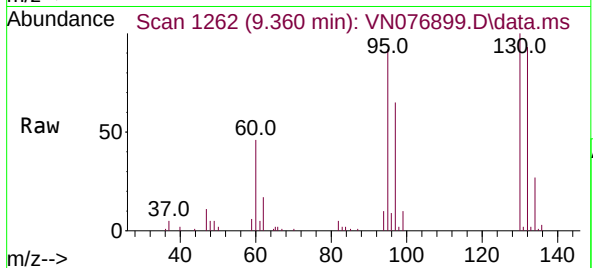
TT-051-IDWGW-20230308

Tgt Ion:130 Resp: 60562

Ion Ratio Lower Upper

130 100

95 92.5 78.7 118.1



#50

1,1,2-Trichloroethane

Concen: 2.024 ug/l

RT: 10.577 min Scan# 1469

Delta R.T. -0.442 min

Lab File: VN076899.D

Acq: 09 Mar 2023 13:40

Tgt Ion: 97 Resp: 9405

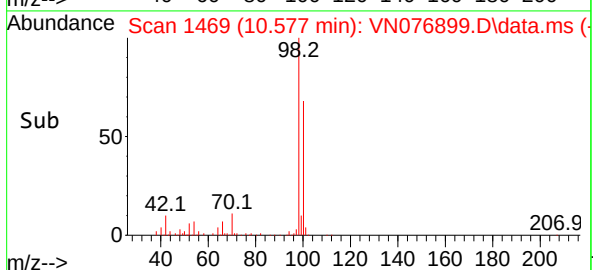
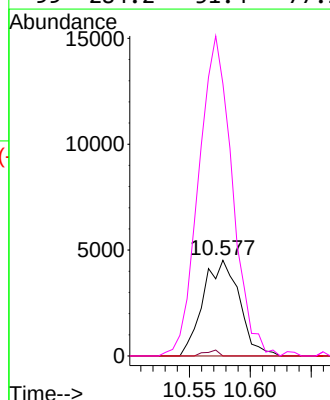
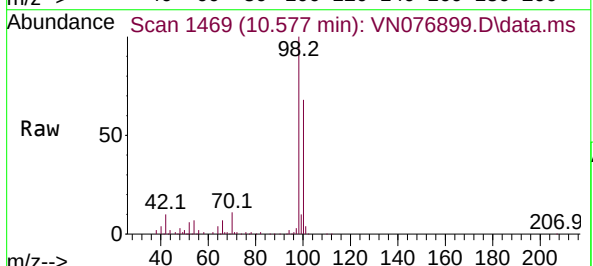
Ion Ratio Lower Upper

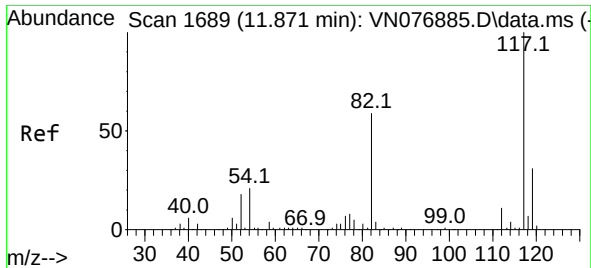
97 100

83 0.0 71.0 106.4#

85 0.0 45.5 68.3#

99 284.2 51.4 77.2#

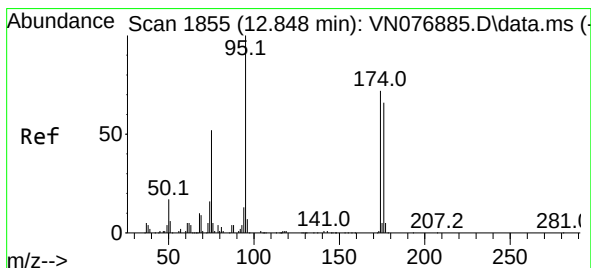
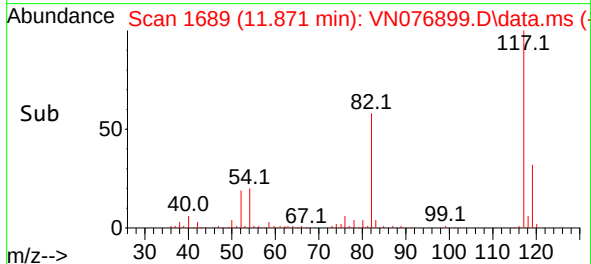
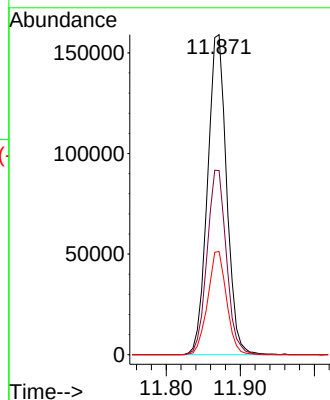
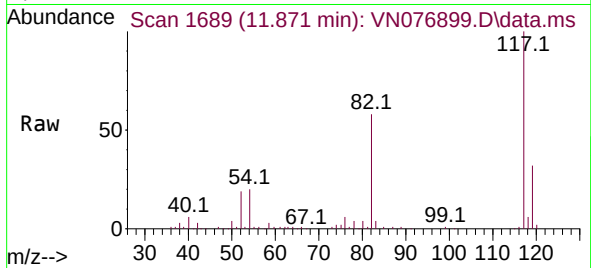




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076899.D
Acq: 09 Mar 2023 13:40

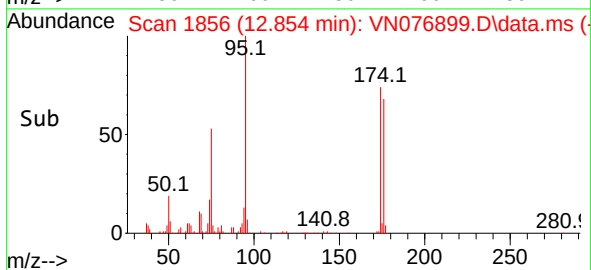
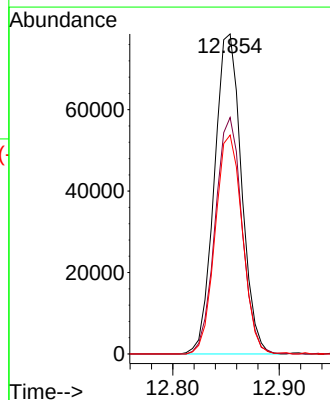
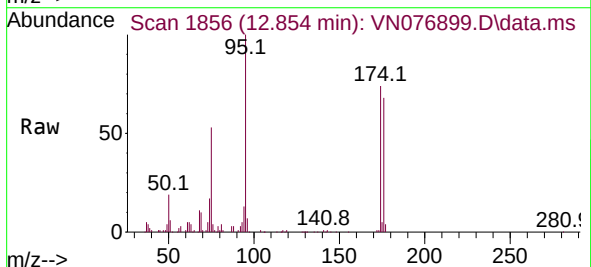
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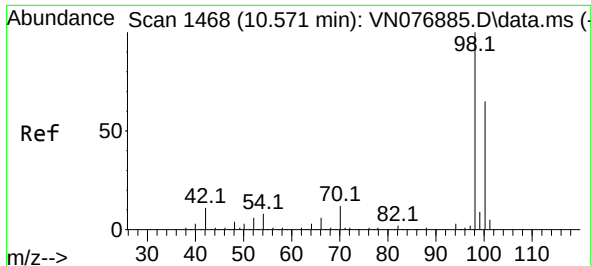
Tgt Ion:117 Resp: 284462
Ion Ratio Lower Upper
117 100
82 58.5 45.4 68.0
119 32.0 26.8 40.2



#60
4-Bromofluorobenzene
Concen: 25.777 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076899.D
Acq: 09 Mar 2023 13:40

Tgt Ion: 95 Resp: 138779
Ion Ratio Lower Upper
95 100
174 73.0 64.2 96.4
176 68.4 61.4 92.0

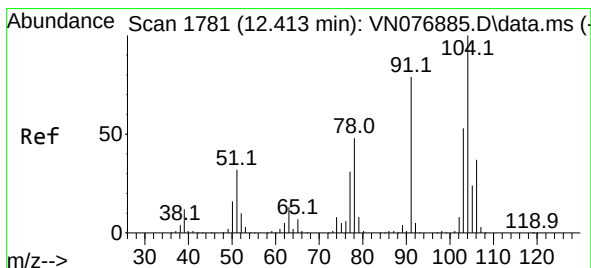
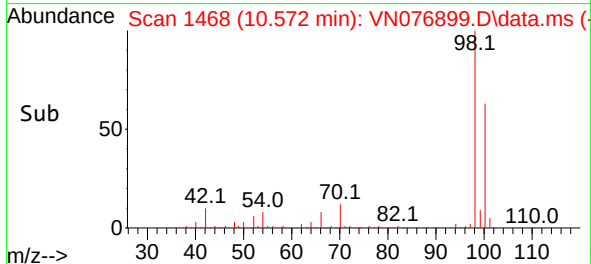
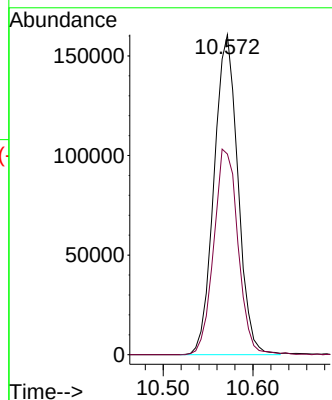
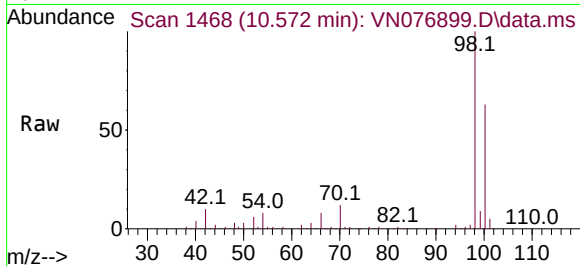




#63
Toluene-d8
Concen: 29.621 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076899.D
Acq: 09 Mar 2023 13:40

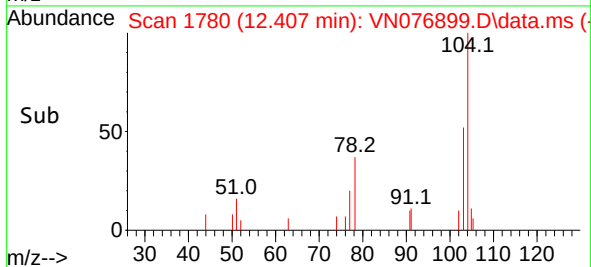
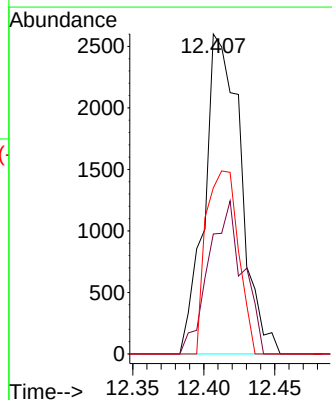
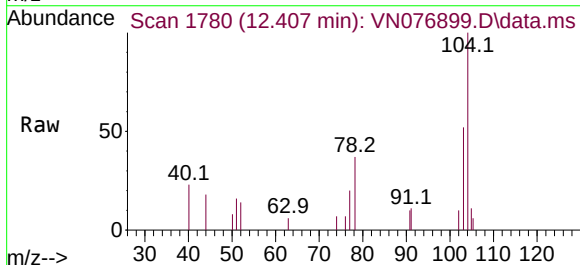
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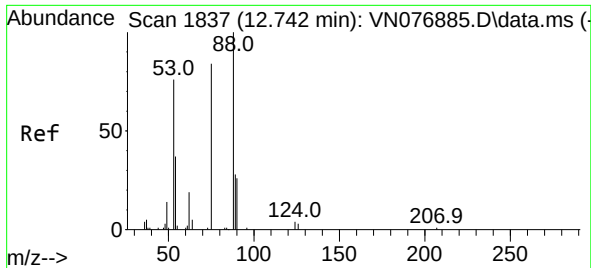
Tgt Ion: 98 Resp: 296361
Ion Ratio Lower Upper
98 100
100 65.4 53.8 80.6



#69
Styrene
Concen: 0.362 ug/l
RT: 12.407 min Scan# 1780
Delta R.T. -0.006 min
Lab File: VN076899.D
Acq: 09 Mar 2023 13:40

Tgt Ion: 104 Resp: 4619
Ion Ratio Lower Upper
104 100
78 45.3 39.6 59.4
103 50.9 43.9 65.9





#77

t-1,4-Dichloro-2-butene

Concen: 41.218 ug/l

RT: 12.854 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN076899.D

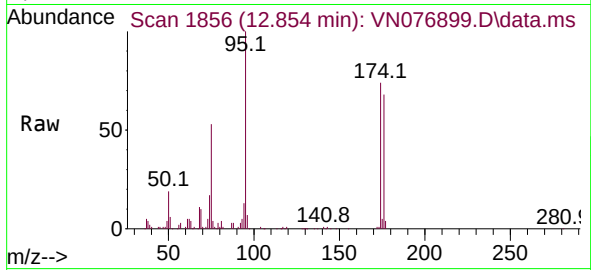
Acq: 09 Mar 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

TT-051-IDWGW-20230308



Tgt Ion: 75 Resp: 71263

Ion Ratio Lower Upper

75 100

53 0.0 50.4 151.3#

89 0.0 22.1 66.5#

