

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041886.D
 Acq On : 14 Jun 2024 18:34
 Operator : JC/MD
 Sample : P2893-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-064-IDWGW-20240613

Quant Time: Jun 15 04:15:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

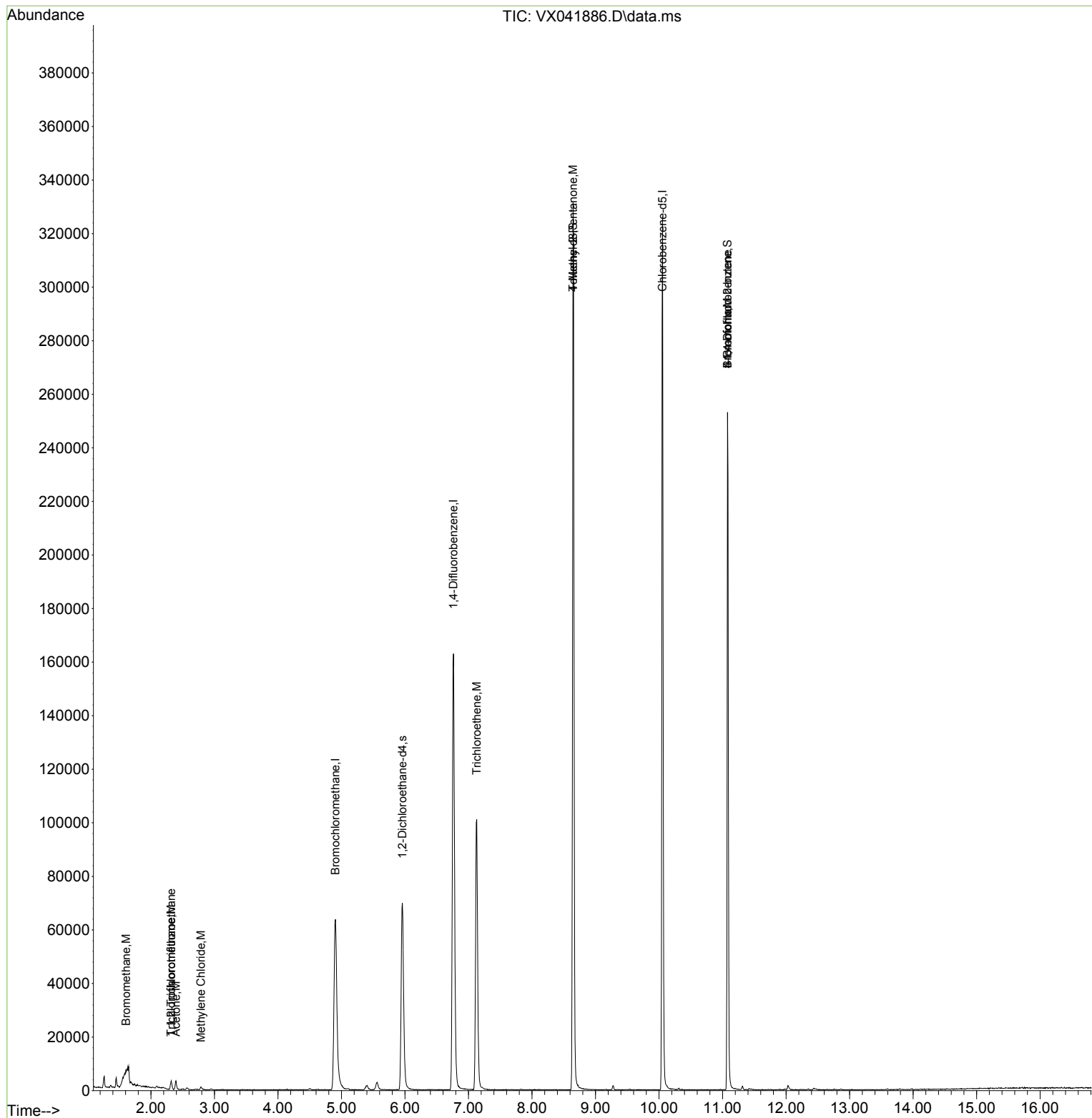
Internal Standards						
1) Bromochloromethane	4.903	128	33884	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	180835	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	162629	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	67780	29.058	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	96.867%	
60) 4-Bromofluorobenzene	11.079	95	67667	26.880	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	89.600%	
63) Toluene-d8	8.647	98	208176	29.920	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.733%	
Target Compounds						Qvalue
5) Bromomethane	1.605	94	294	0.229	ug/l #	60
7) Trichlorofluoromethane	2.319	101	1171	0.388	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.319	101	1171	0.570	ug/l	97
15) Acetone	2.392	58	1120	3.124	ug/l	80
18) Methylene Chloride	2.788	84	609	0.256	ug/l	93
37) Trichloroethene	7.129	130	45190	21.042	ug/l	99
56) Bromoform	11.079	173	378	0.210	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	734	0.252	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30714	32.648	ug/l #	7

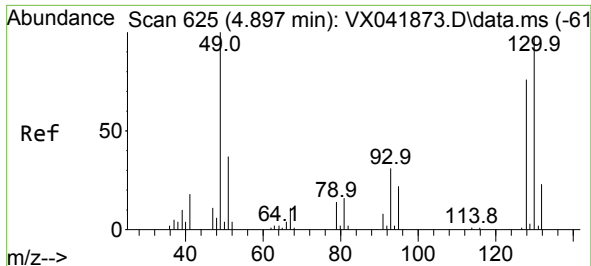
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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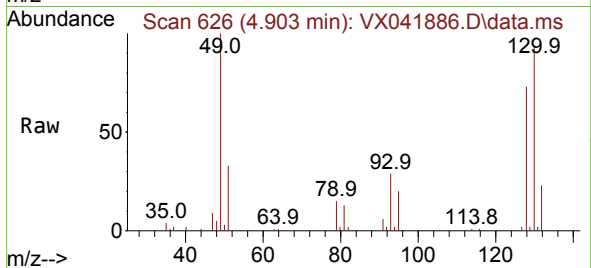
Quant Time: Jun 15 04:15:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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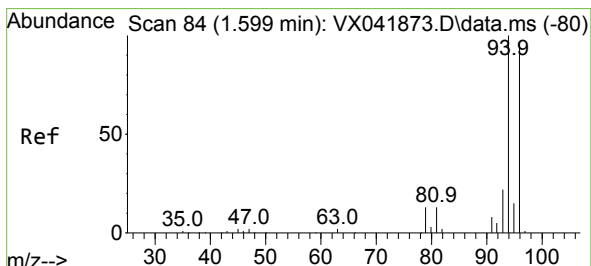
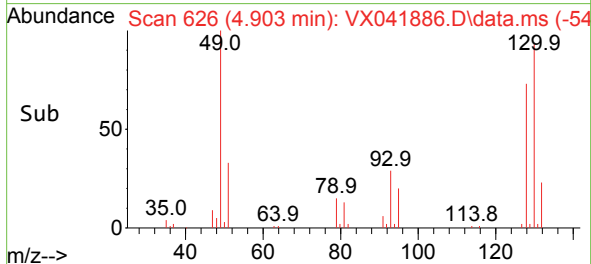
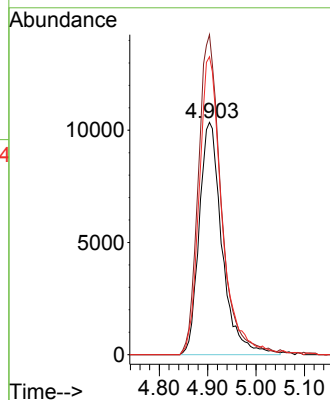


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041886.D
Acq: 14 Jun 2024 18:34

Instrument :
MSVOA_X
ClientSampleId :
TT-064-IDWGW-20240613

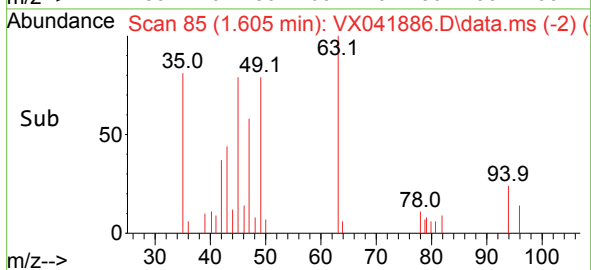
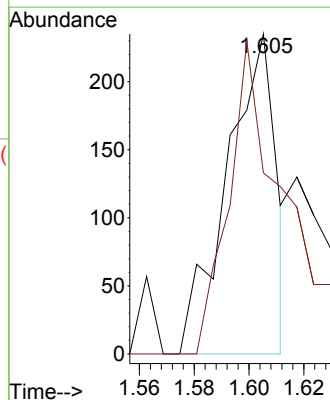
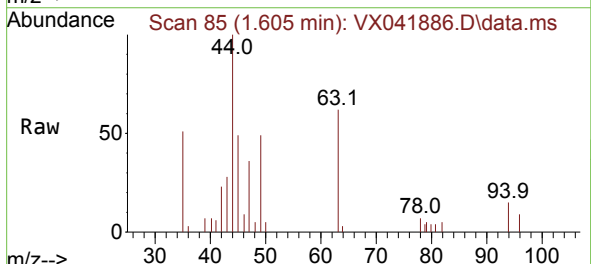


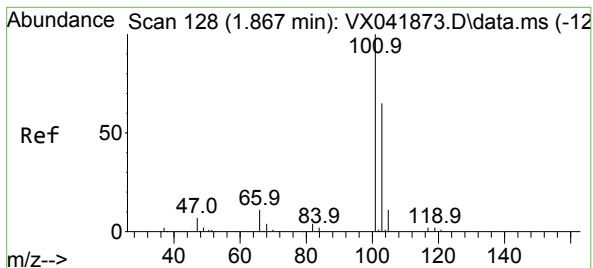
Tgt Ion:128 Resp: 33884
Ion Ratio Lower Upper
128 100
49 137.4 0.0 338.5
130 126.7 0.0 324.5



#5
Bromomethane
Concen: 0.229 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041886.D
Acq: 14 Jun 2024 18:34

Tgt Ion: 94 Resp: 294
Ion Ratio Lower Upper
94 100
96 56.6 76.6 115.0#

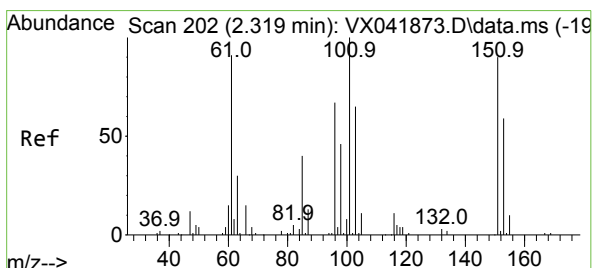
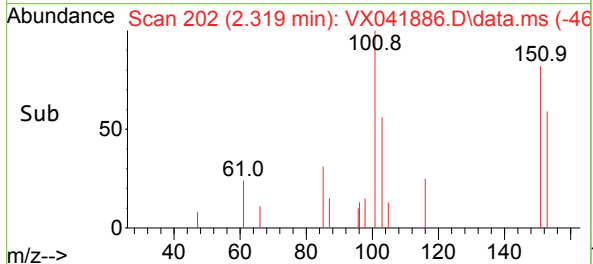
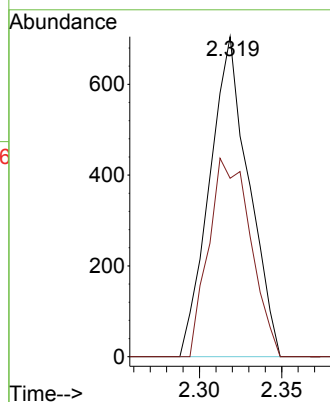
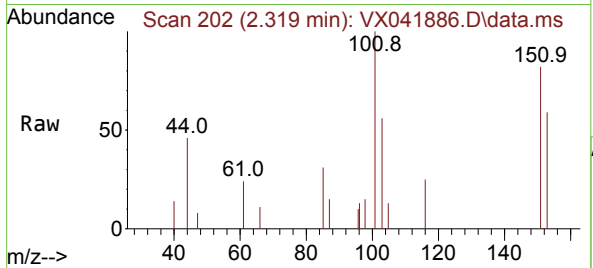




#7
 Trichlorofluoromethane
 Concen: 0.388 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. 0.451 min
 Lab File: VX041886.D
 Acq: 14 Jun 2024 18:34

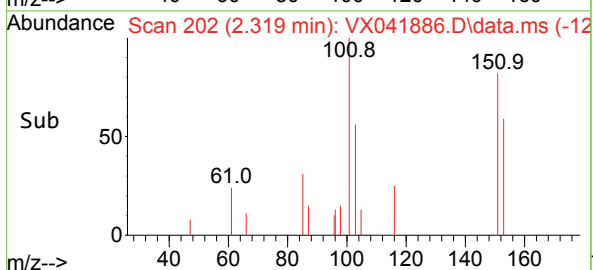
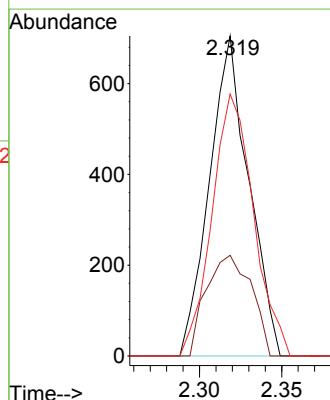
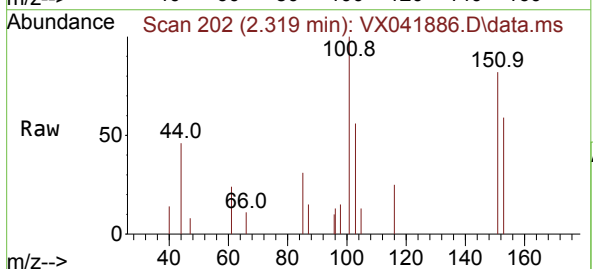
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-064-IDWGW-20240613

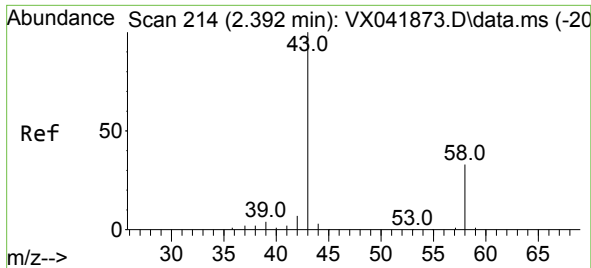
Tgt Ion:101 Resp: 1171
 Ion Ratio Lower Upper
 101 100
 103 55.7 51.8 77.8



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.570 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX041886.D
 Acq: 14 Jun 2024 18:34

Tgt Ion:101 Resp: 1171
 Ion Ratio Lower Upper
 101 100
 85 36.2 0.0 80.4
 151 86.7 0.0 175.2





#15

Acetone

Concen: 3.124 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041886.D

Acq: 14 Jun 2024 18:34

Instrument :

MSVOA_X

ClientSampleId :

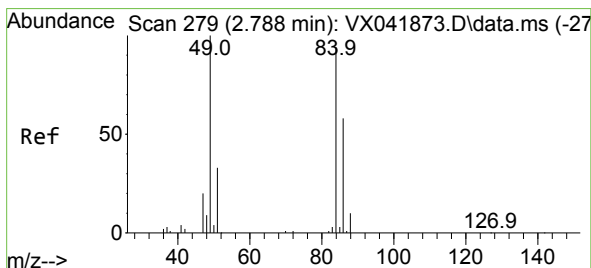
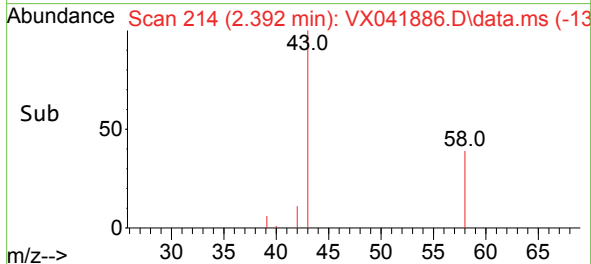
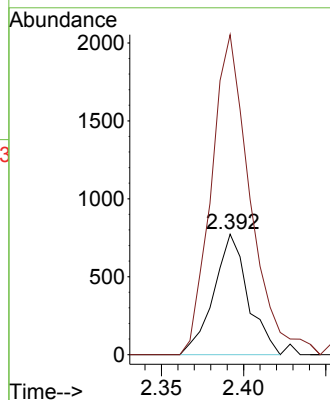
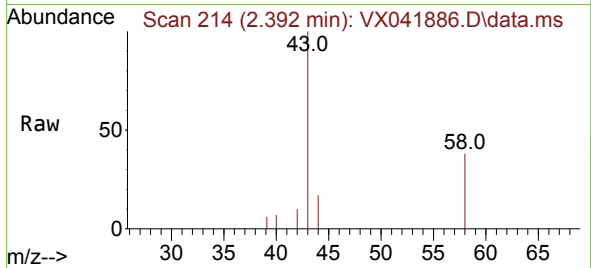
TT-064-IDWGW-20240613

Tgt Ion: 58 Resp: 1120

Ion Ratio Lower Upper

58 100

43 265.6 243.4 365.2



#18

Methylene Chloride

Concen: 0.256 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX041886.D

Acq: 14 Jun 2024 18:34

Tgt Ion: 84 Resp: 609

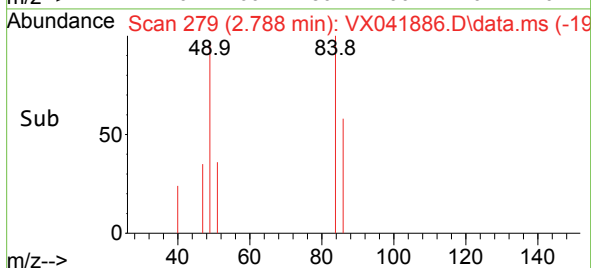
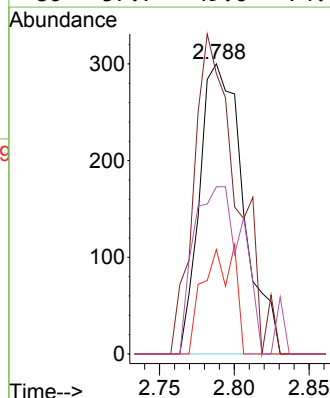
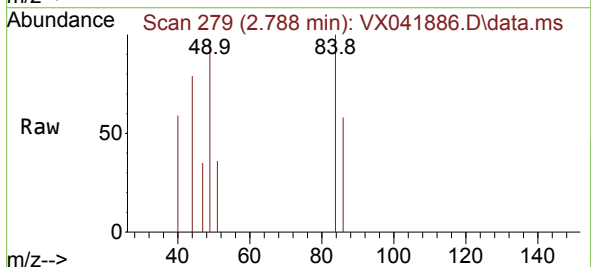
Ion Ratio Lower Upper

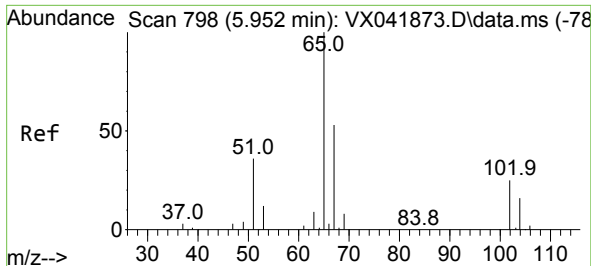
84 100

49 96.7 85.3 127.9

51 36.0 28.5 42.7

86 57.7 49.6 74.4





#27

1,2-Dichloroethane-d4

Concen: 29.058 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041886.D

Acq: 14 Jun 2024 18:34

Instrument :

MSVOA_X

ClientSampleId :

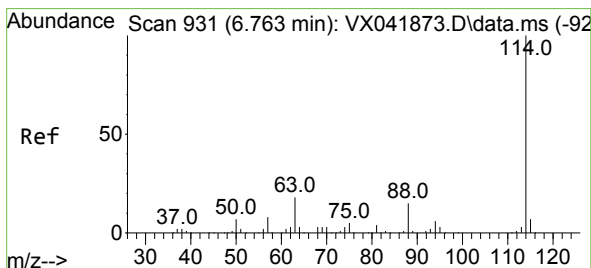
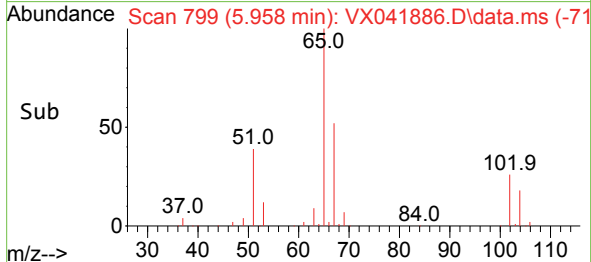
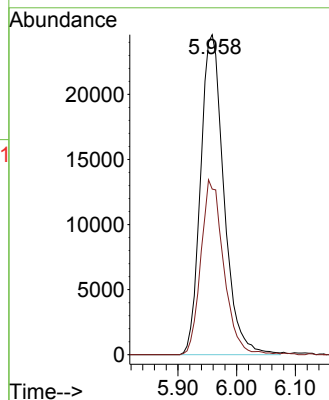
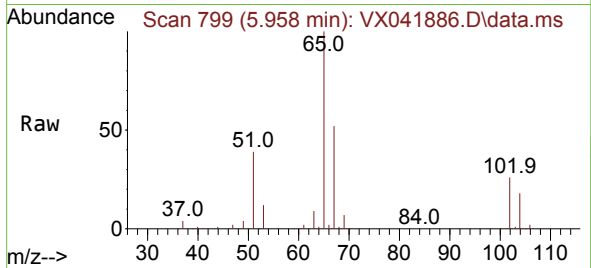
TT-064-IDWGW-20240613

Tgt Ion: 65 Resp: 67780

Ion Ratio Lower Upper

65 100

67 52.9 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX041886.D

Acq: 14 Jun 2024 18:34

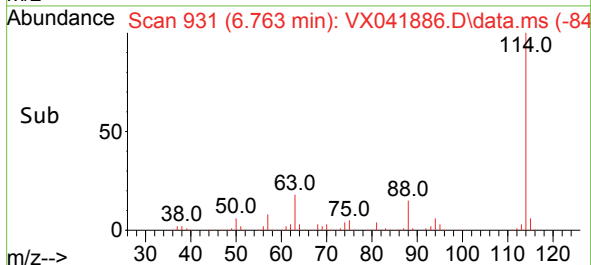
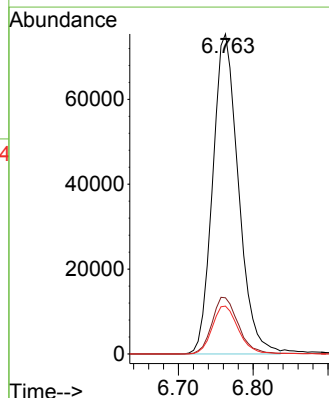
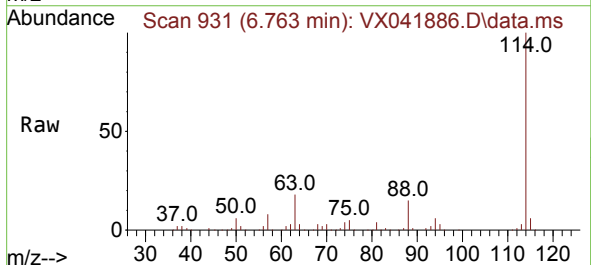
Tgt Ion: 114 Resp: 180835

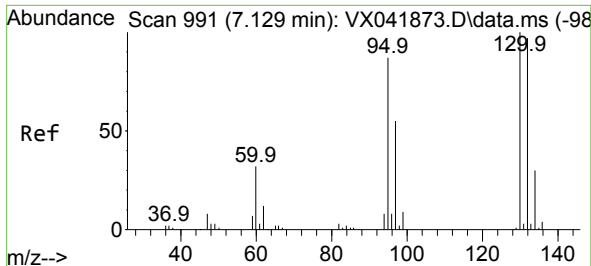
Ion Ratio Lower Upper

114 100

63 18.1 14.6 21.8

88 15.2 11.8 17.8





#37

Trichloroethene

Concen: 21.042 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX041886.D

Acq: 14 Jun 2024 18:34

Instrument :

MSVOA_X

ClientSampleId :

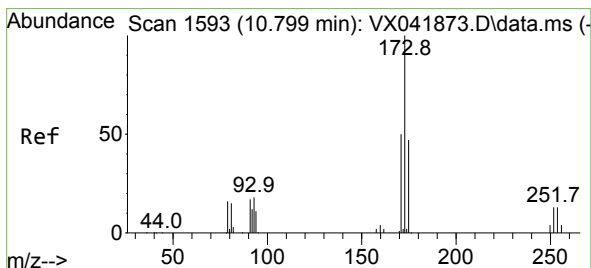
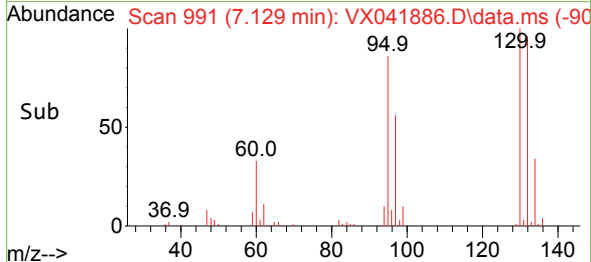
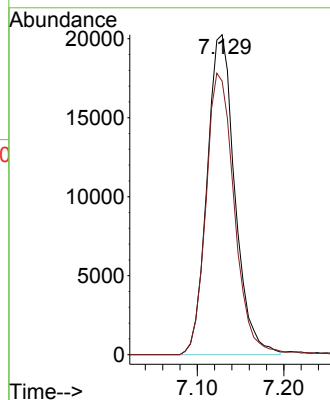
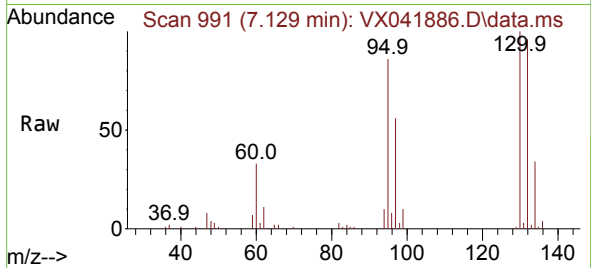
TT-064-IDWGW-20240613

Tgt Ion:130 Resp: 45190

Ion Ratio Lower Upper

130 100

95 85.5 69.4 104.0



#56

Bromoform

Concen: 0.210 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX041886.D

Acq: 14 Jun 2024 18:34

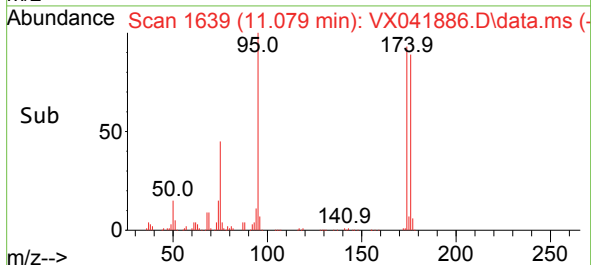
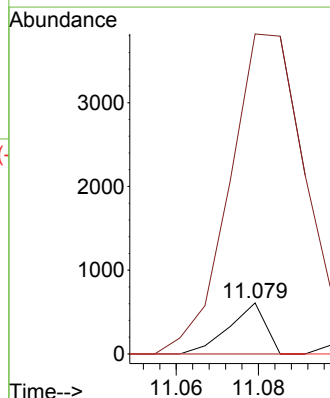
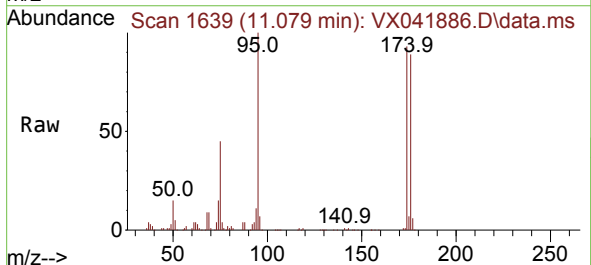
Tgt Ion:173 Resp: 378

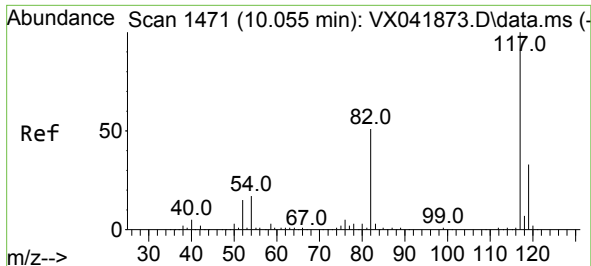
Ion Ratio Lower Upper

173 100

175 1355.8 39.3 58.9#

254 0.0 9.6 14.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX041886.D

Acq: 14 Jun 2024 18:34

Instrument :

MSVOA_X

ClientSampleId :

TT-064-IDWGW-20240613

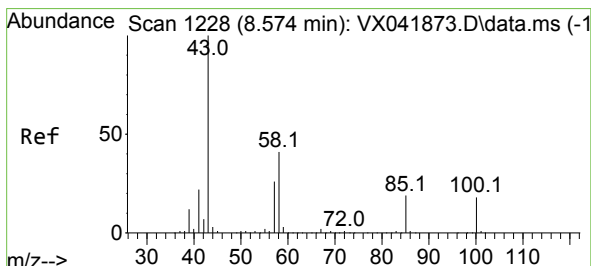
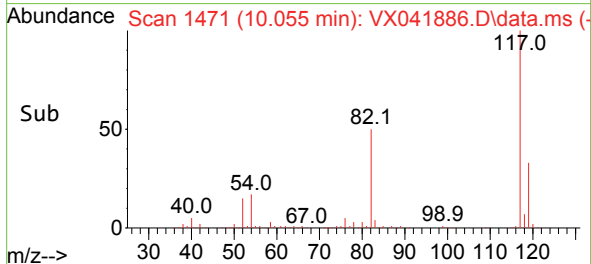
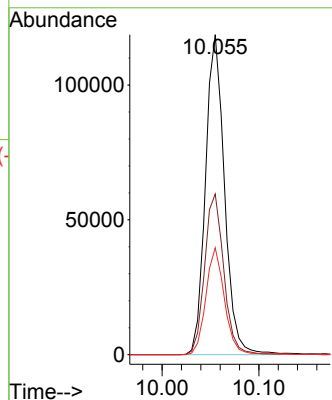
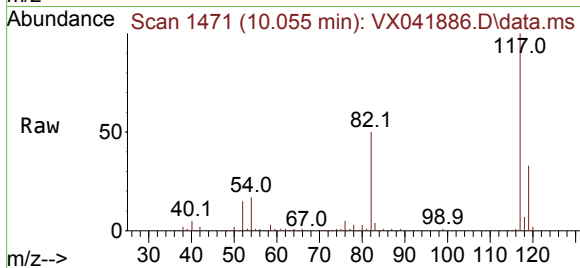
Tgt Ion:117 Resp: 162629

Ion Ratio Lower Upper

117 100

82 50.7 41.1 61.7

119 32.7 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.252 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041886.D

Acq: 14 Jun 2024 18:34

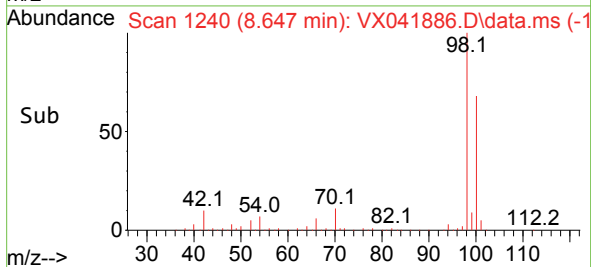
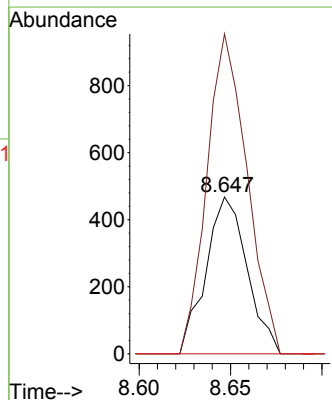
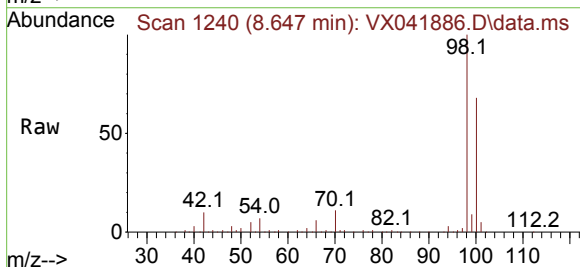
Tgt Ion: 43 Resp: 734

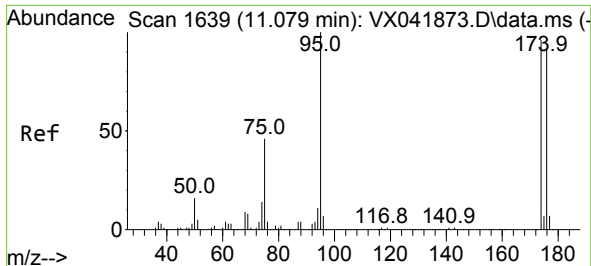
Ion Ratio Lower Upper

43 100

58 199.0 33.2 49.8#

85 0.0 15.5 23.3#

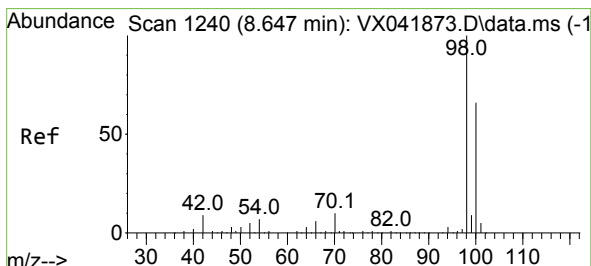
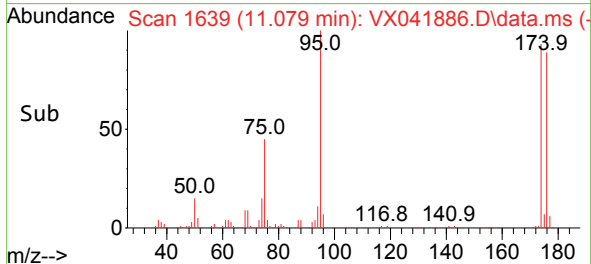
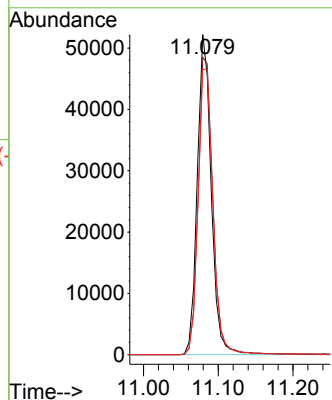
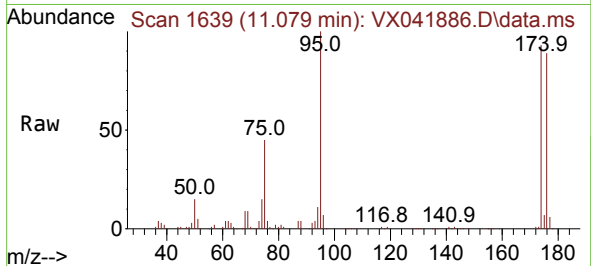




#60
4-Bromofluorobenzene
Concen: 26.880 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041886.D
Acq: 14 Jun 2024 18:34

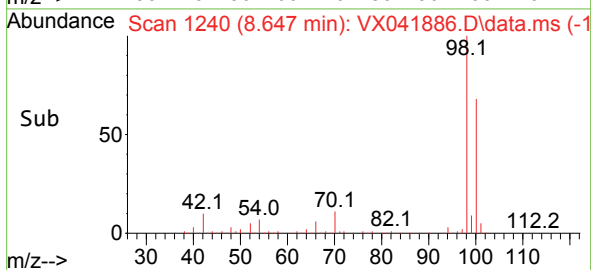
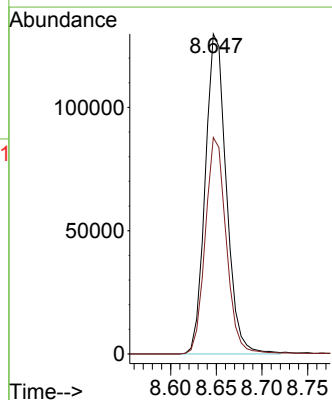
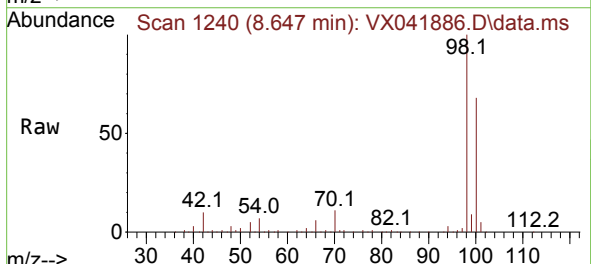
Instrument : MSVOA_X
ClientSampleId : TT-064-IDWGW-20240613

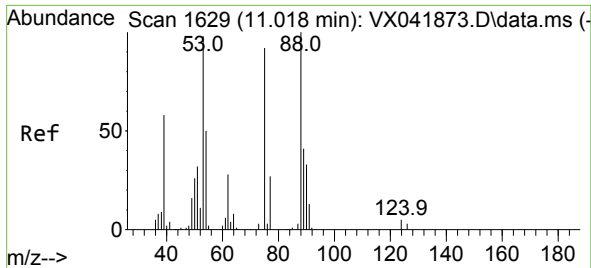
Tgt Ion: 95 Resp: 67667
Ion Ratio Lower Upper
95 100
174 97.3 78.9 118.3
176 94.6 77.1 115.7



#63
Toluene-d8
Concen: 29.920 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041886.D
Acq: 14 Jun 2024 18:34

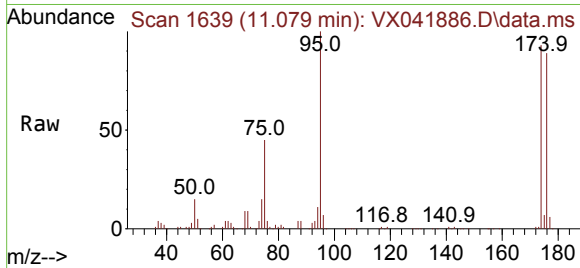
Tgt Ion: 98 Resp: 208176
Ion Ratio Lower Upper
98 100
100 67.1 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.648 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041886.D
 Acq: 14 Jun 2024 18:34

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-064-IDWGW-20240613



Tgt Ion: 75 Resp: 30714
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

