

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053023\
 Data File : VX035915.D
 Acq On : 30 May 2023 18:44
 Operator : JC/MD
 Sample : 02924-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-002-003-3RE

Quant Time: May 31 05:48:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 29 07:45:36 2023
 Response via : Initial Calibration

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

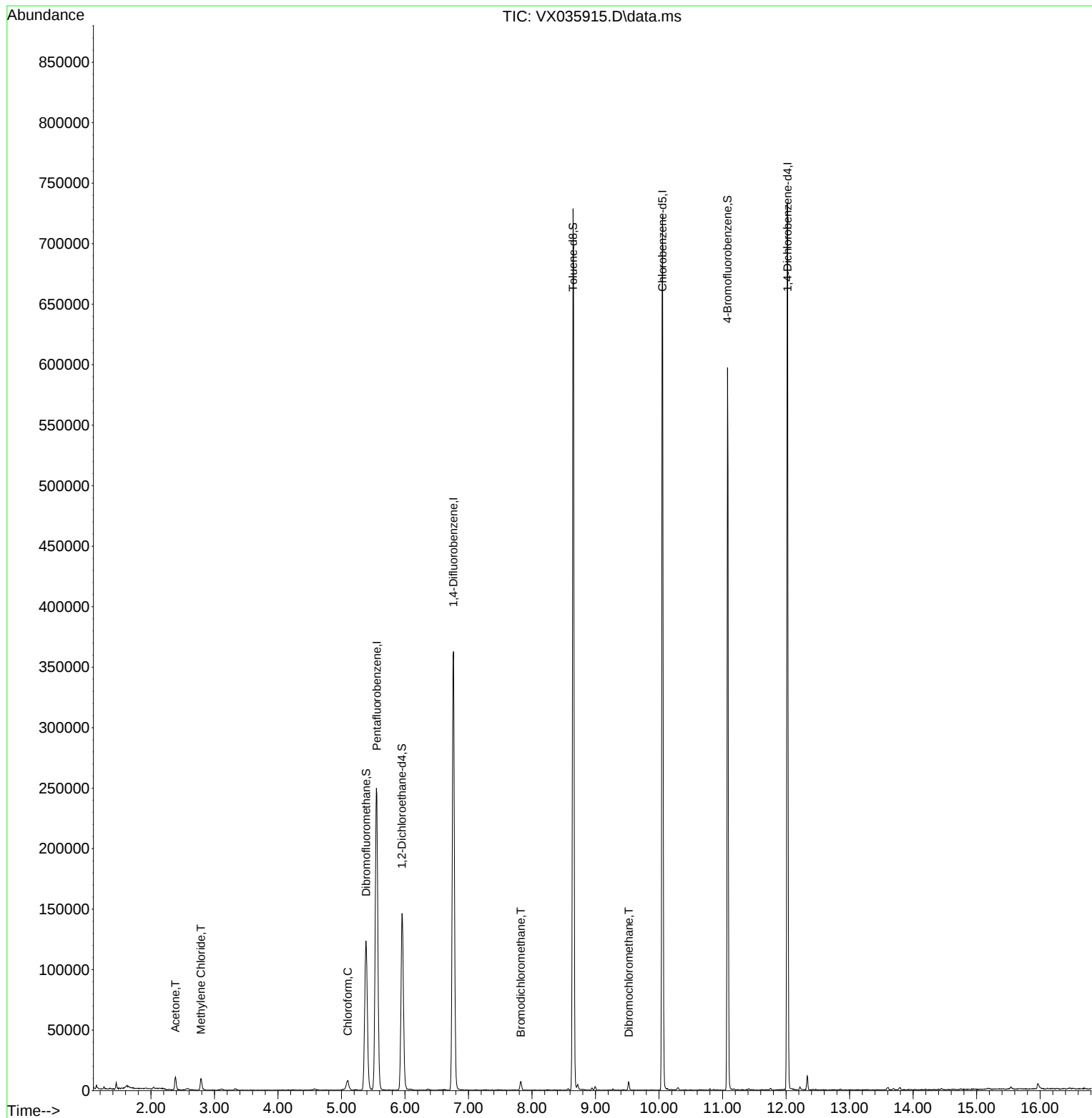
Internal Standards						
1) Pentafluorobenzene	5.556	168	229340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	372067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	144178	35.377	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	70.760%#
35) Dibromofluoromethane	5.385	113	110523	43.245	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.500%
50) Toluene-d8	8.647	98	431708	46.027	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.060%
62) 4-Bromofluorobenzene	11.079	95	161997	43.837	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.680%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	12343	7.502	ug/l	94
20) Methylene Chloride	2.788	84	4639	0.732	ug/l	97
30) Chloroform	5.099	83	9473	1.675	ug/l	96
47) Bromodichloromethane	7.824	83	4931	1.344	ug/l #	94
60) Dibromochloromethane	9.525	129	2086	0.842	ug/l	91

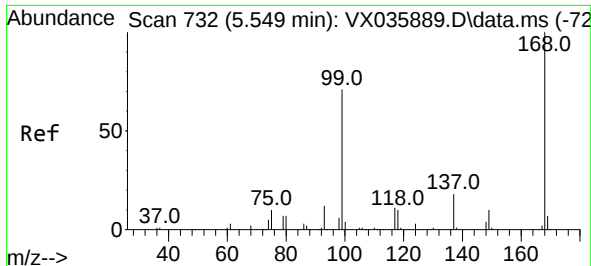
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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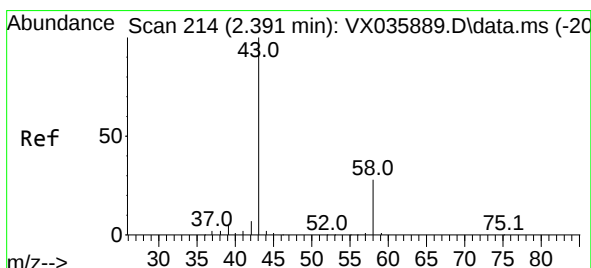
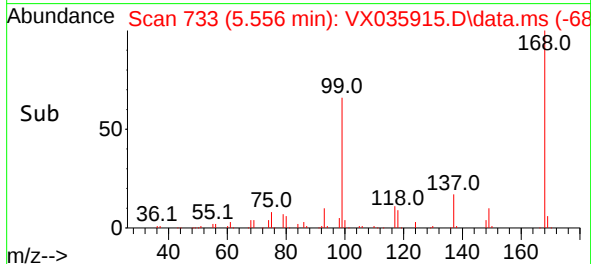
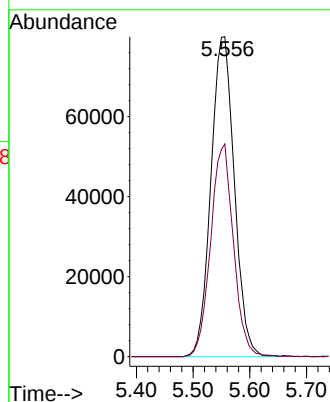
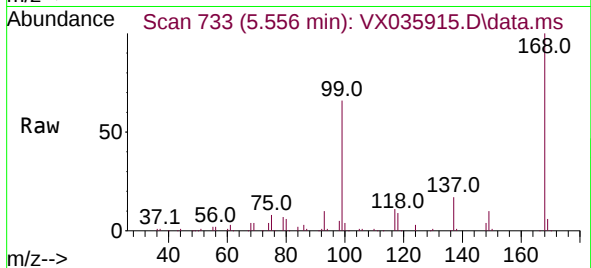




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

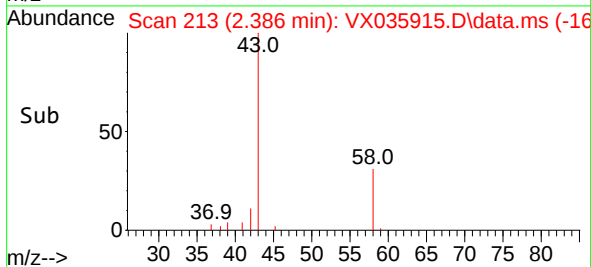
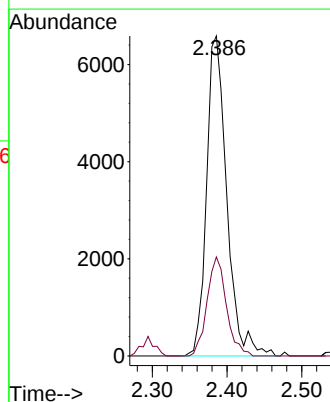
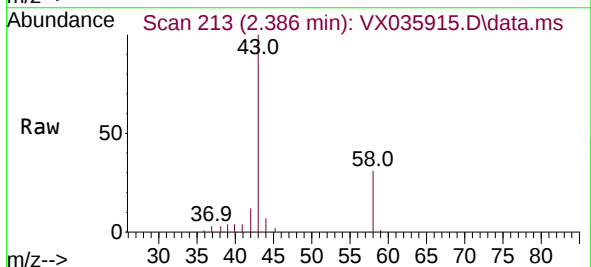
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

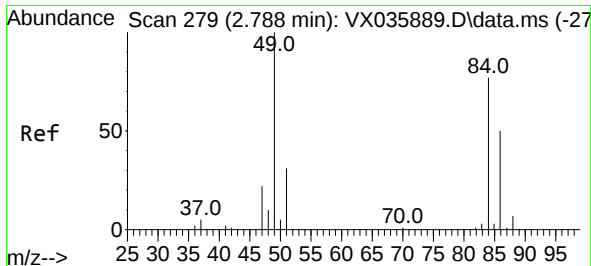
Tgt Ion:168 Resp: 229340
Ion Ratio Lower Upper
168 100
99 66.5 57.0 85.6



#16
Acetone
Concen: 7.502 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion: 43 Resp: 12343
Ion Ratio Lower Upper
43 100
58 31.0 22.2 33.2





#20

Methylene Chloride

Concen: 0.732 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

001-002-003-3RE

Tgt Ion: 84 Resp: 4639

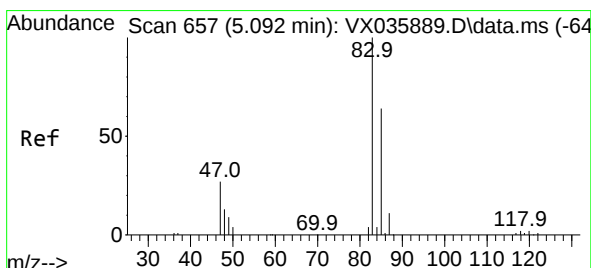
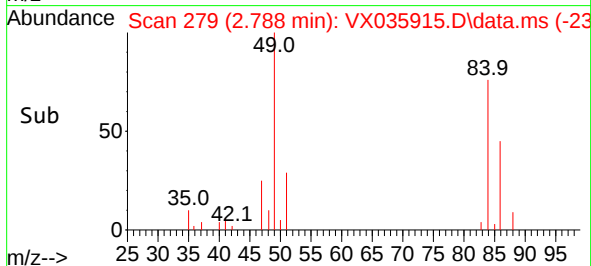
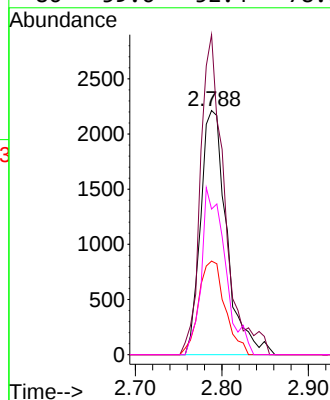
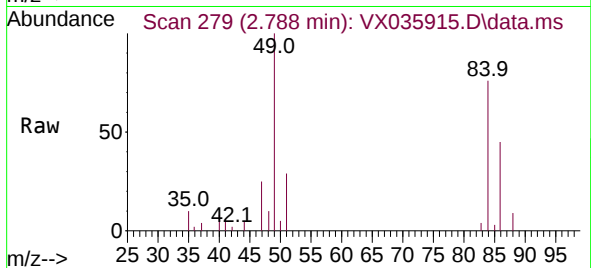
Ion Ratio Lower Upper

84 100

49 131.0 104.6 156.8

51 38.4 32.2 48.4

86 59.6 52.4 78.6



#30

Chloroform

Concen: 1.675 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX035915.D

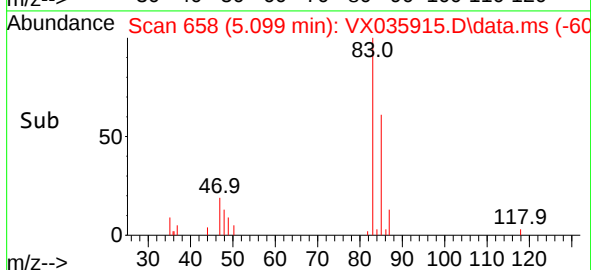
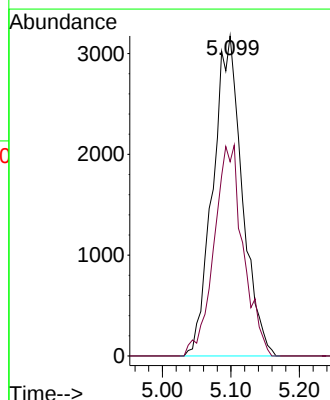
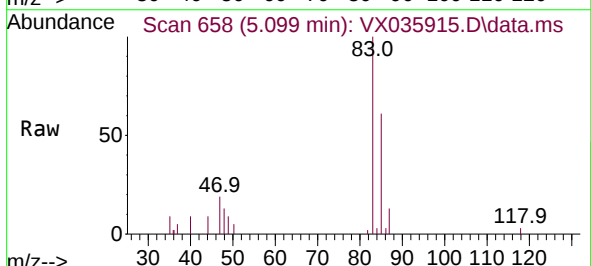
Acq: 30 May 2023 18:44

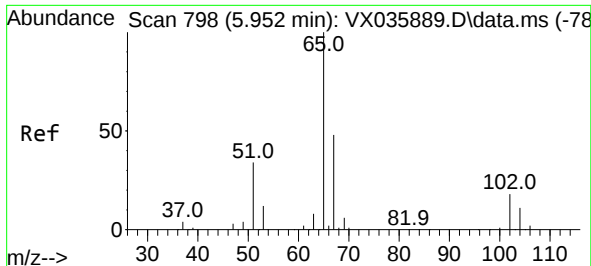
Tgt Ion: 83 Resp: 9473

Ion Ratio Lower Upper

83 100

85 60.7 51.0 76.4





#33

1,2-Dichloroethane-d4

Concen: 35.377 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

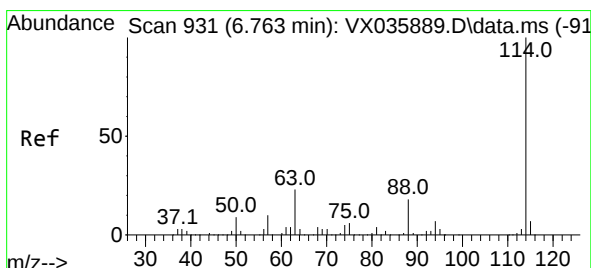
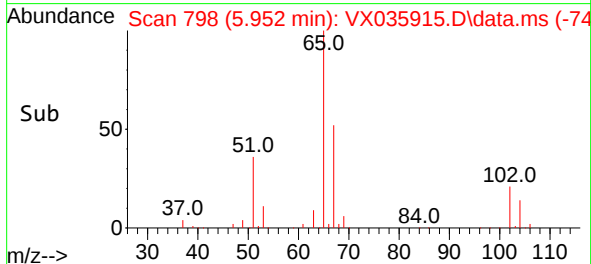
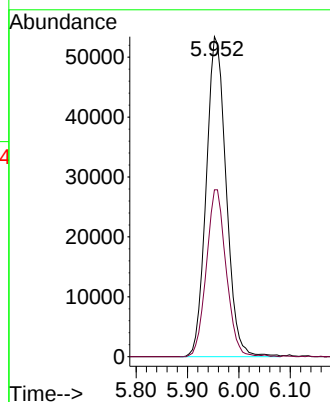
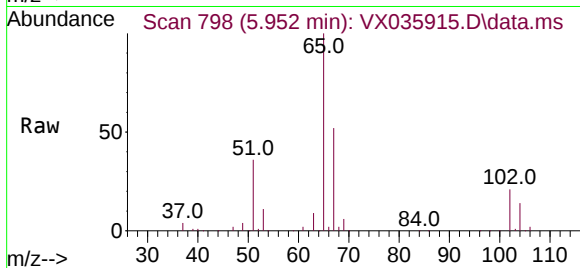
001-002-003-3RE

Tgt Ion: 65 Resp: 144178

Ion Ratio Lower Upper

65 100

67 51.5 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

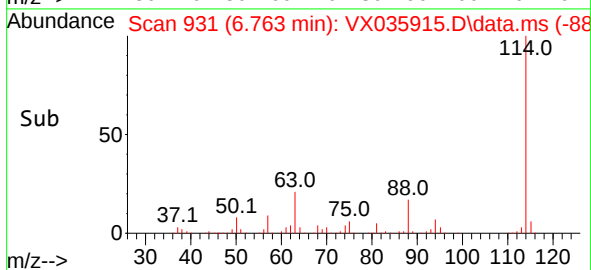
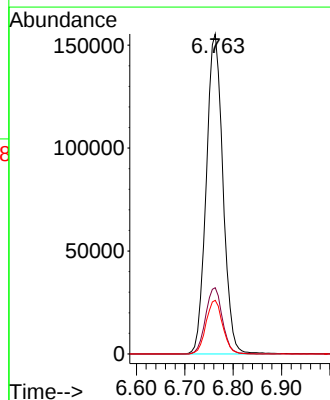
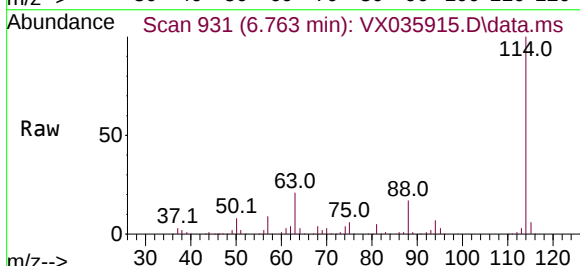
Tgt Ion: 114 Resp: 372067

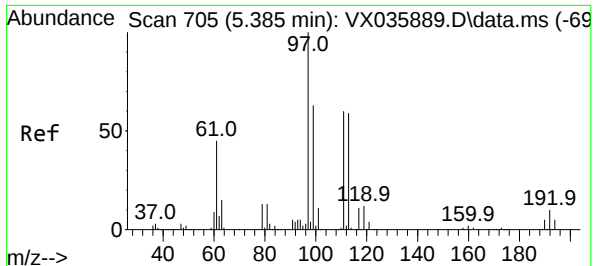
Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.0

88 16.8 0.0 35.2





#35

Dibromofluoromethane

Concen: 43.245 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035915.D

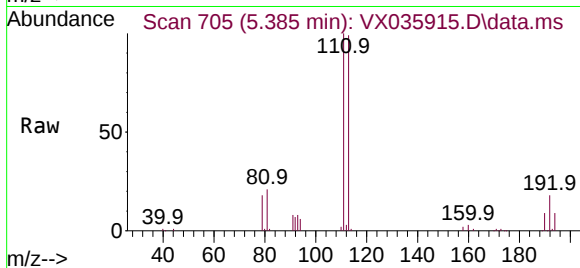
Acq: 30 May 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

001-002-003-3RE



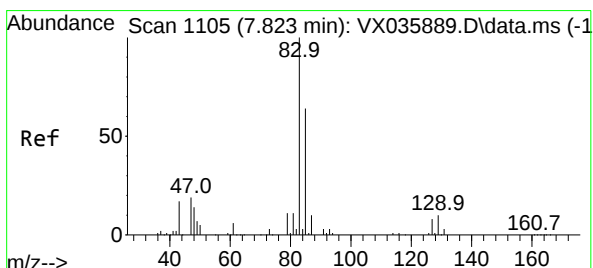
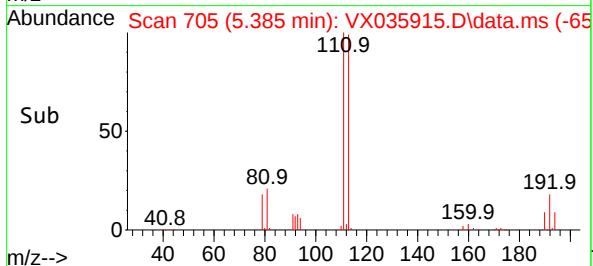
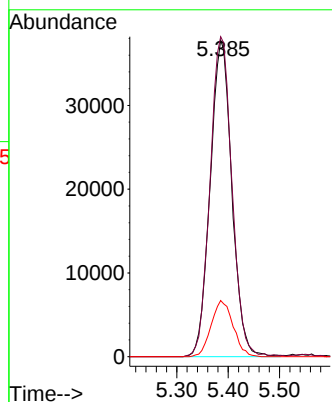
Tgt Ion:113 Resp: 110523

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

192 18.0 13.5 20.3



#47

Bromodichloromethane

Concen: 1.344 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.001 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

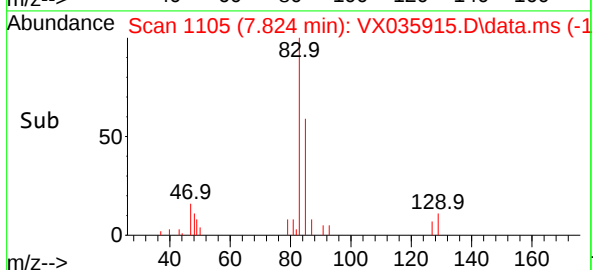
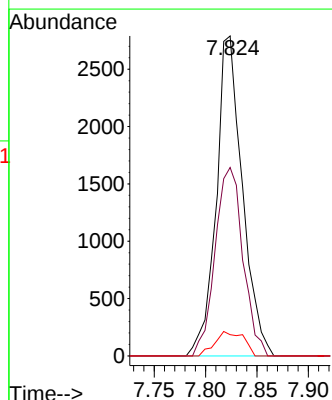
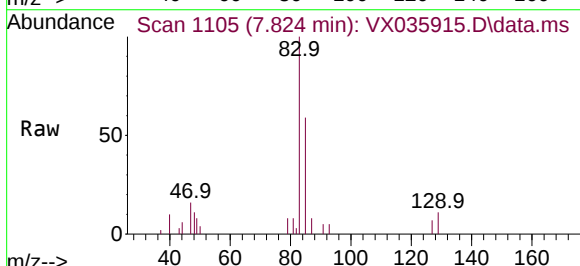
Tgt Ion: 83 Resp: 4931

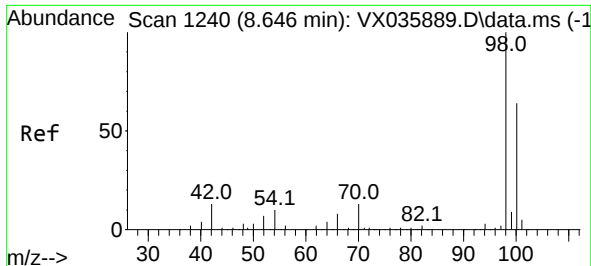
Ion Ratio Lower Upper

83 100

85 58.9 51.3 76.9

127 6.6 6.6 10.0#

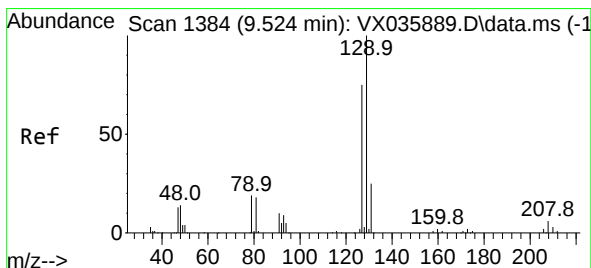
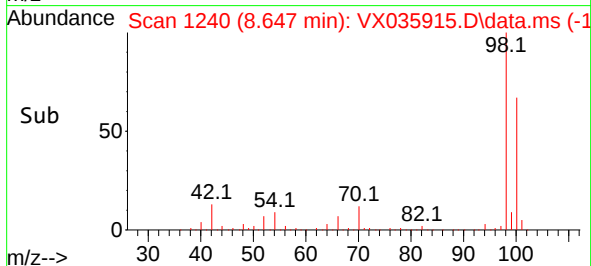
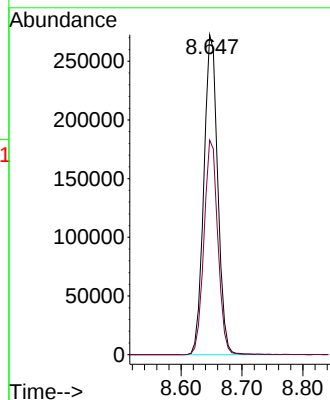
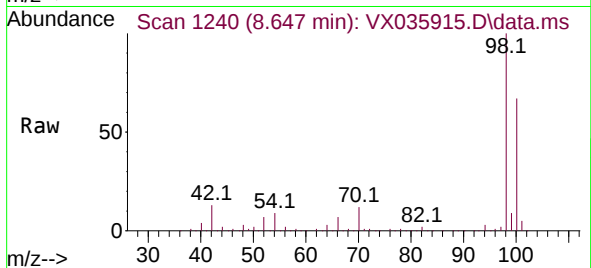




#50
Toluene-d8
Concen: 46.027 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

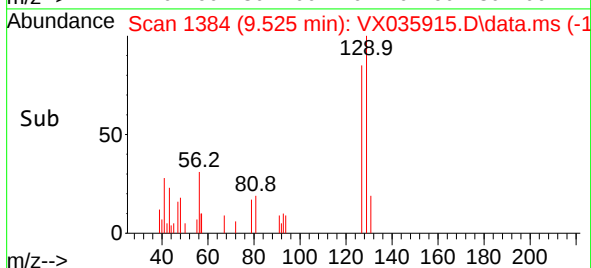
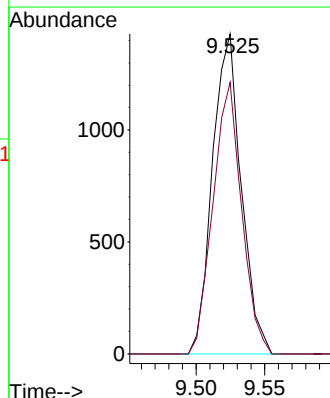
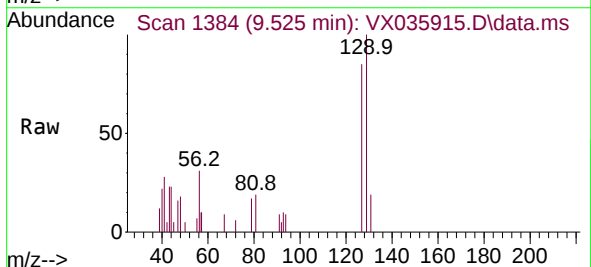
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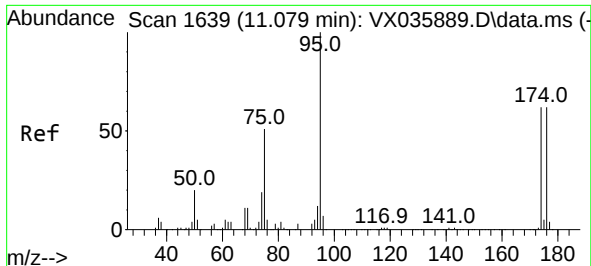
Tgt Ion: 98 Resp: 431708
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.0



#60
Dibromochloromethane
Concen: 0.842 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.001 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion: 129 Resp: 2086
Ion Ratio Lower Upper
129 100
127 84.5 38.4 115.1





#62

4-Bromofluorobenzene

Concen: 43.837 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

001-002-003-3RE

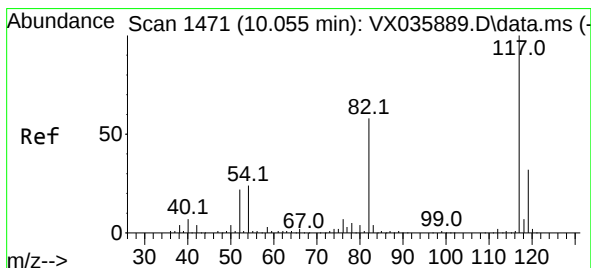
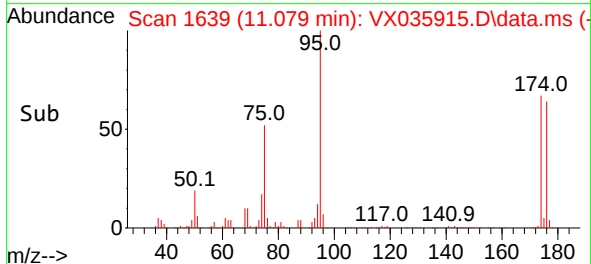
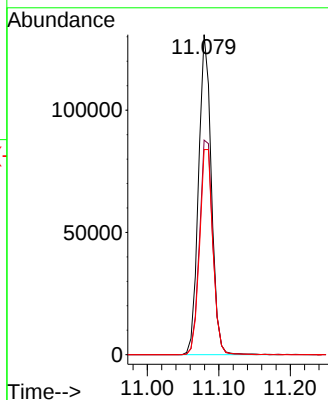
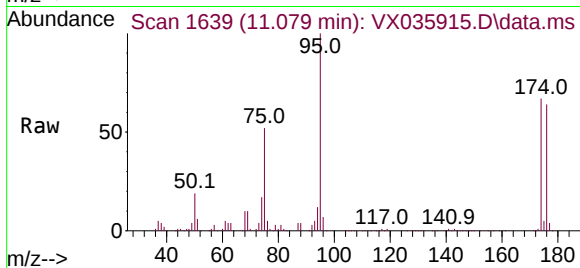
Tgt Ion: 95 Resp: 161997

Ion Ratio Lower Upper

95 100

174 69.9 0.0 132.6

176 67.0 0.0 128.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

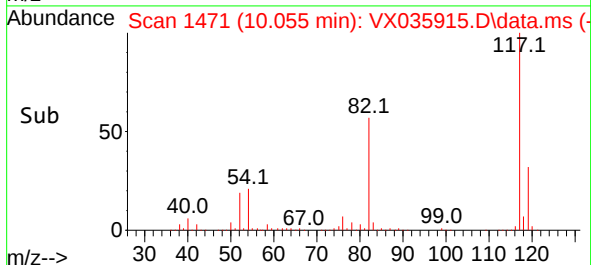
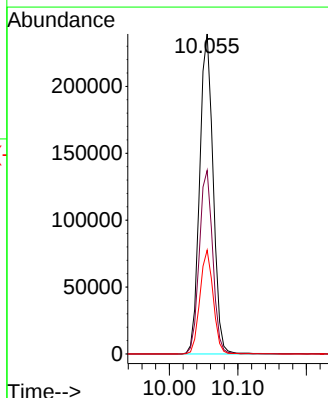
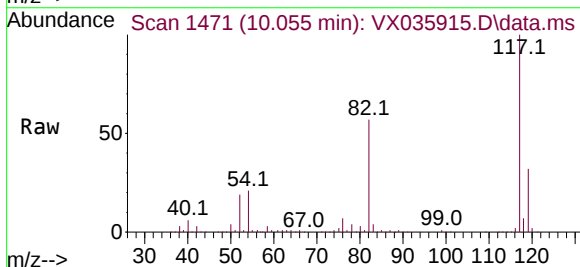
Tgt Ion: 117 Resp: 327885

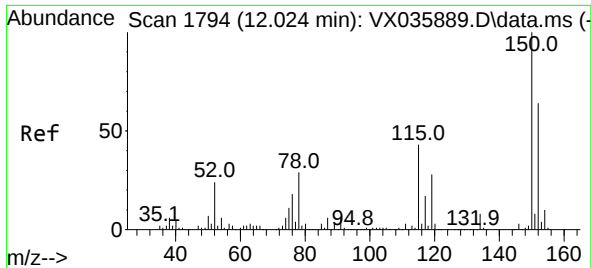
Ion Ratio Lower Upper

117 100

82 57.3 46.6 69.8

119 32.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035915.D

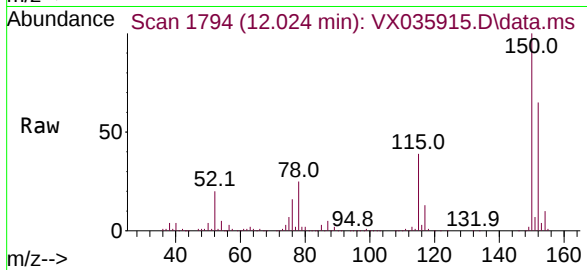
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Tgt Ion:152 Resp: 152870

Ion Ratio Lower Upper

152 100

115 63.1 45.5 136.5

150 155.9 0.0 345.2

