

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077443.D
 Acq On : 30 Oct 2023 12:30
 Operator : JC/SY
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Oct 31 04:24:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

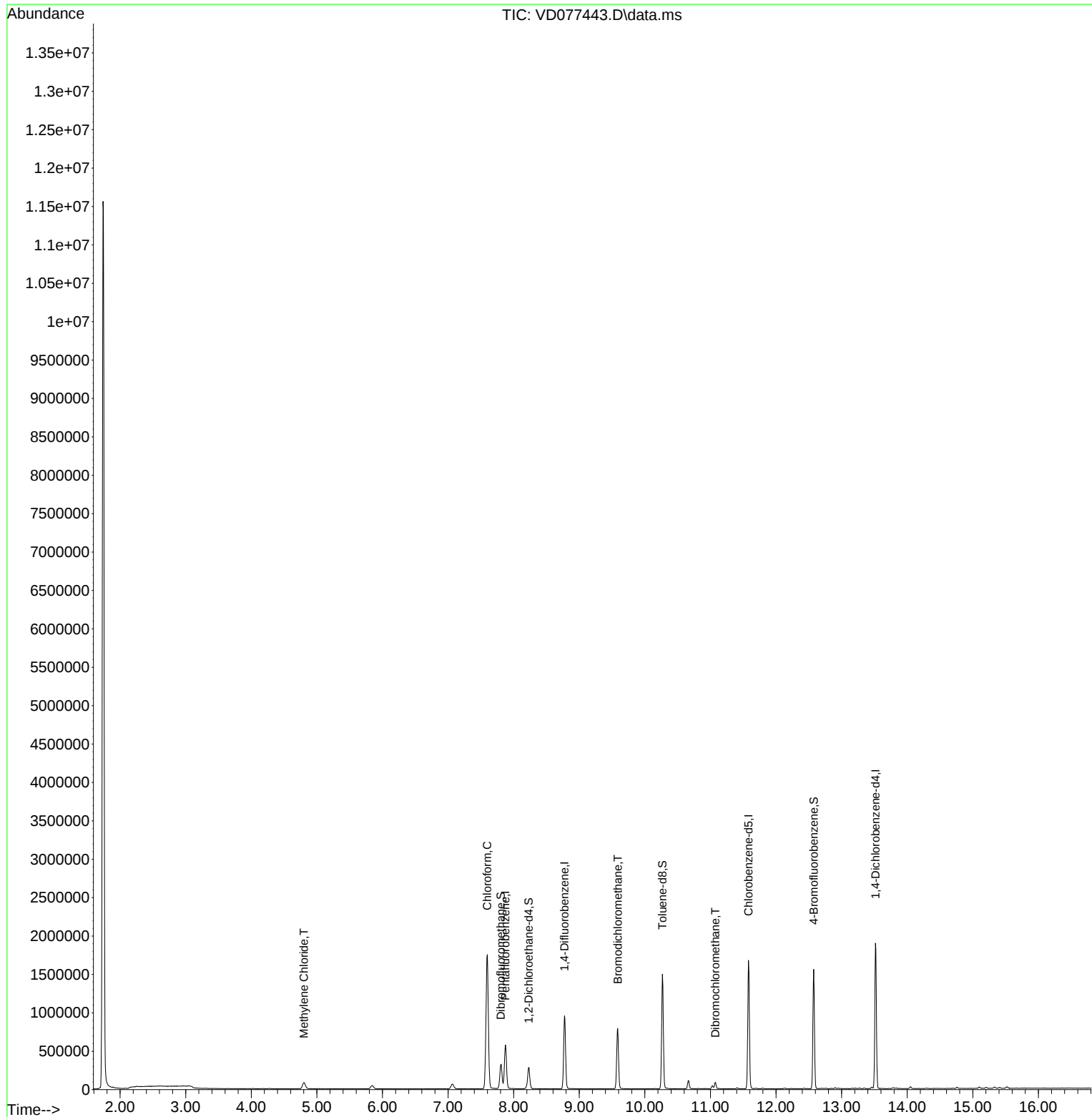
Internal Standards						
1) Pentafluorobenzene	7.875	168	420340	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	776170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	871928	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	475798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	214720	36.125	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.240%
35) Dibromofluoromethane	7.805	113	231305	43.117	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.240%
50) Toluene-d8	10.269	98	977429	46.907	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.820%
62) 4-Bromofluorobenzene	12.575	95	476314	67.869	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	135.740%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	56128	7.434	ug/l	# 55
30) Chloroform	7.599	83	1719447	164.819	ug/l	97
47) Bromodichloromethane	9.587	83	528633	62.240	ug/l	97
60) Dibromochloromethane	11.075	129	41239	7.999	ug/l	98

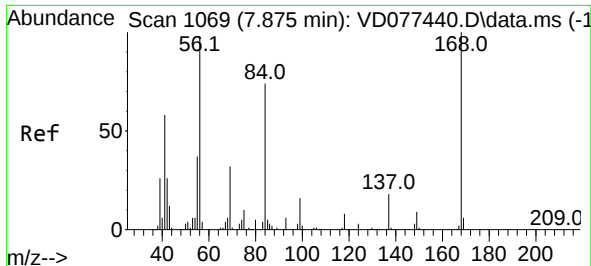
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
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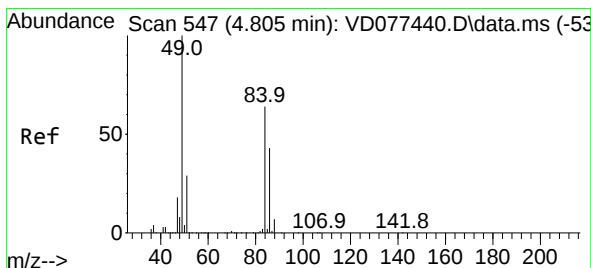
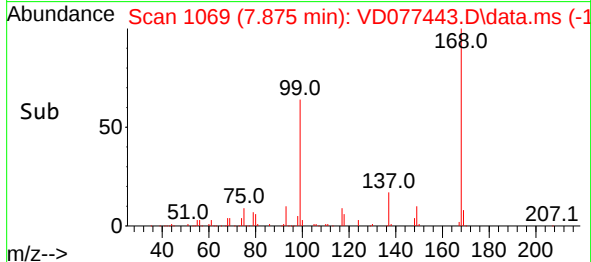
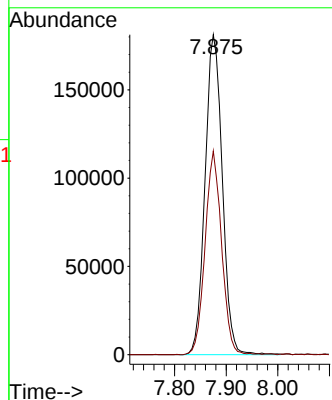
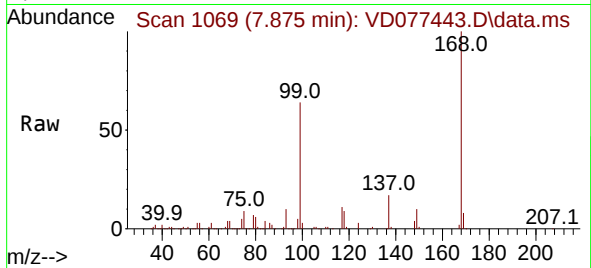




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

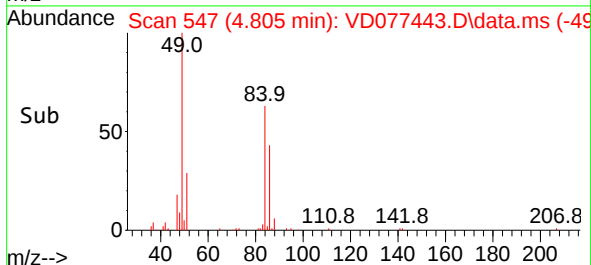
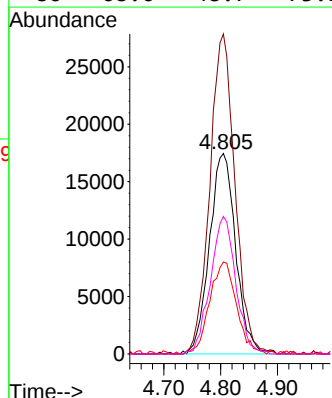
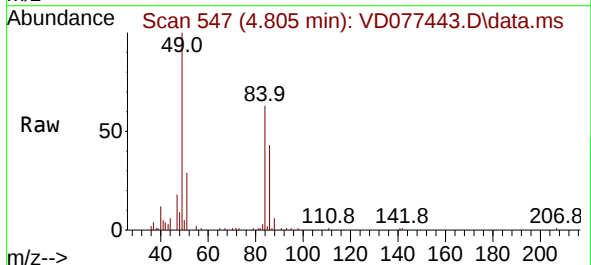
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

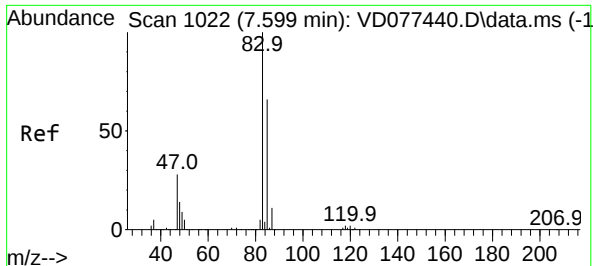
Tgt Ion:168 Resp: 420340
Ion Ratio Lower Upper
168 100
99 63.6 36.7 55.1#



#20
Methylene Chloride
Concen: 7.434 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

Tgt Ion: 84 Resp: 56128
Ion Ratio Lower Upper
84 100
49 159.6 71.4 107.2#
51 45.9 24.5 36.7#
86 68.6 48.7 73.1





#30

Chloroform

Concen: 164.819 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :

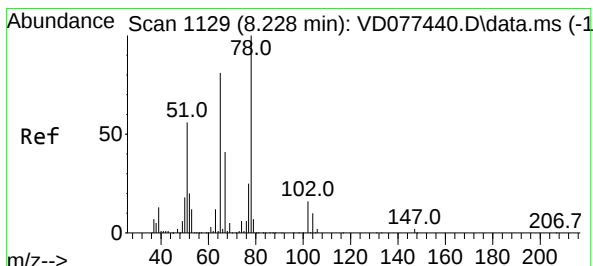
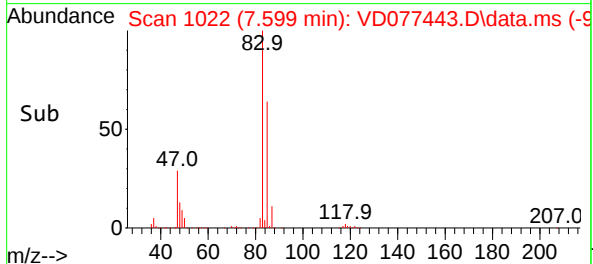
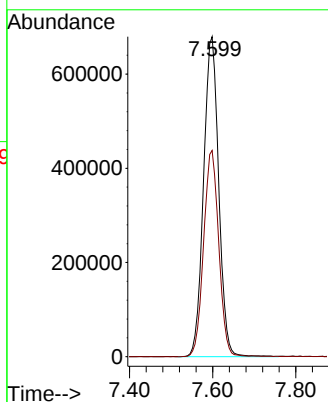
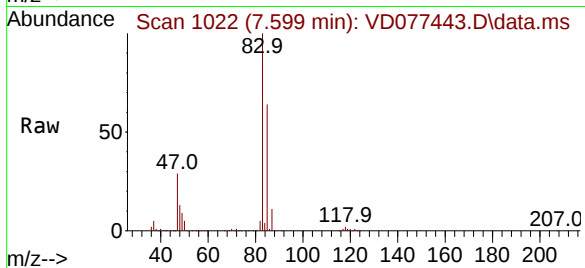
VIBLK

Tgt Ion: 83 Resp: 1719447

Ion Ratio Lower Upper

83 100

85 64.5 53.4 80.2



#33

1,2-Dichloroethane-d4

Concen: 36.125 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077443.D

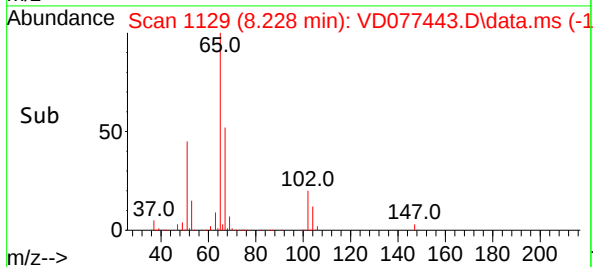
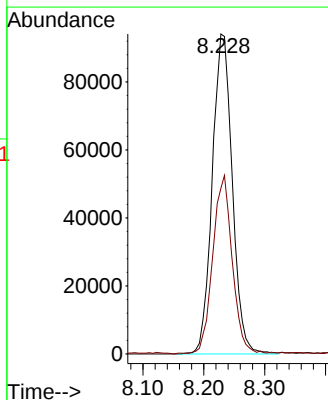
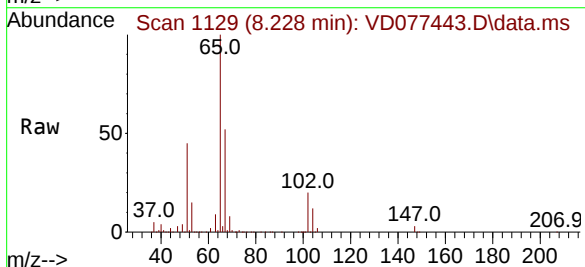
Acq: 30 Oct 2023 12:30

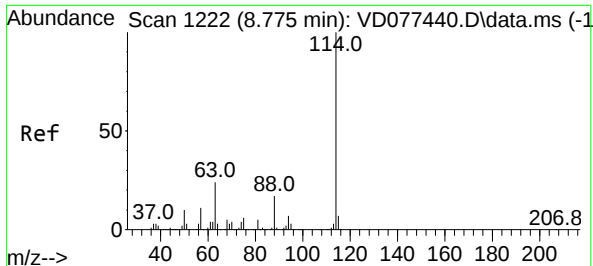
Tgt Ion: 65 Resp: 214720

Ion Ratio Lower Upper

65 100

67 54.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

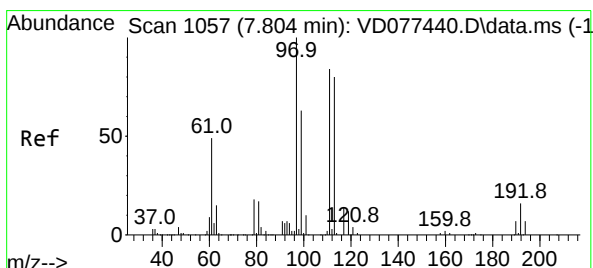
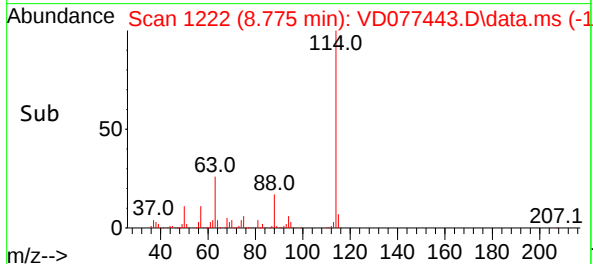
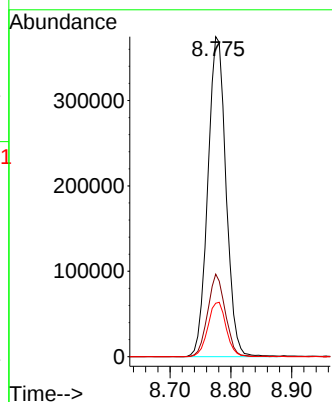
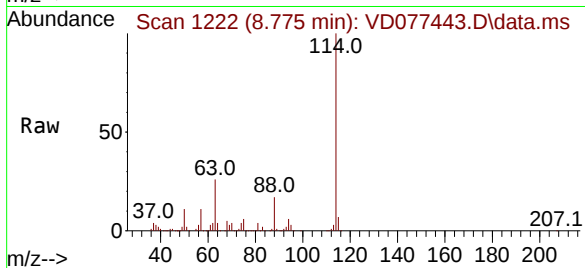
Tgt Ion:114 Resp: 776170

Ion Ratio Lower Upper

114 100

63 25.8 0.0 33.4

88 16.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.117 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

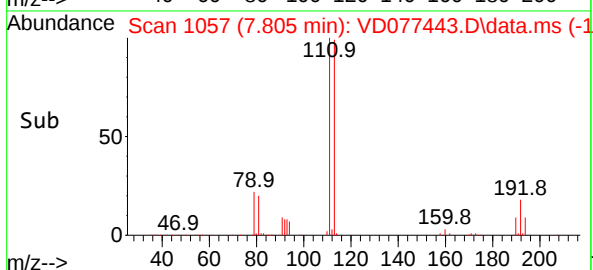
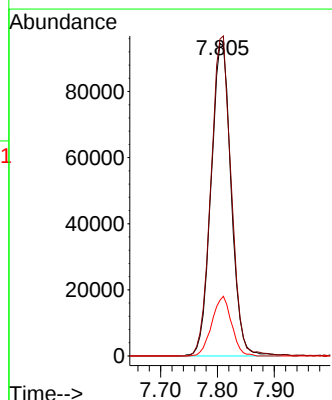
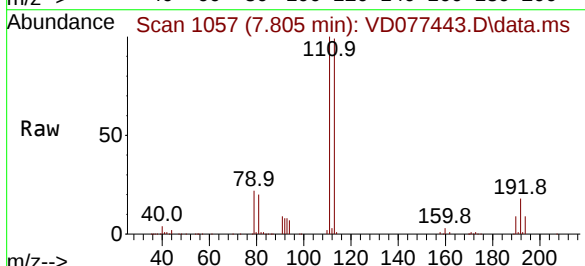
Tgt Ion:113 Resp: 231305

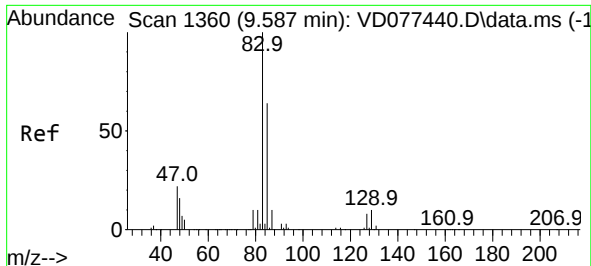
Ion Ratio Lower Upper

113 100

111 103.3 84.7 127.1

192 18.7 16.8 25.2

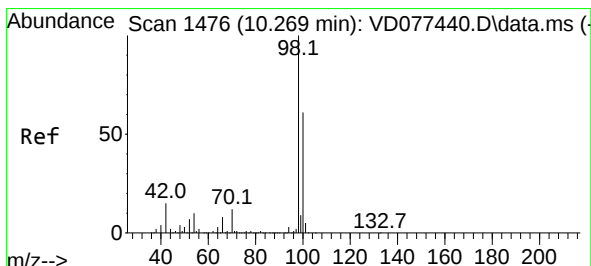
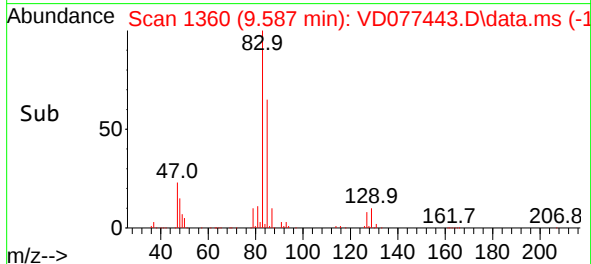
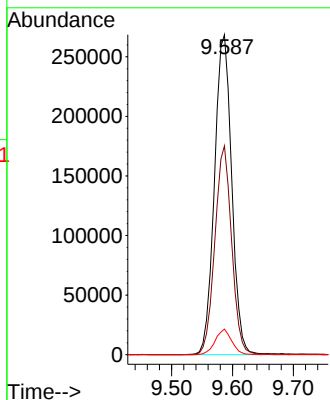
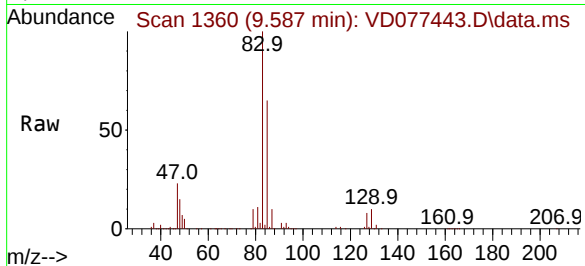




#47
Bromodichloromethane
Concen: 62.240 ug/l
RT: 9.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

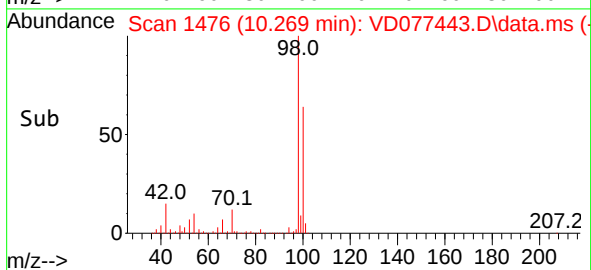
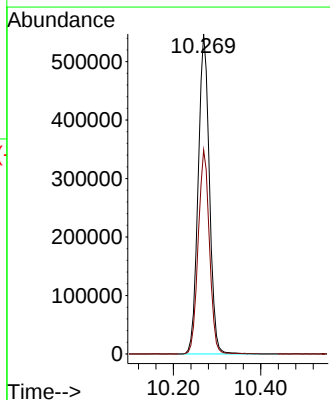
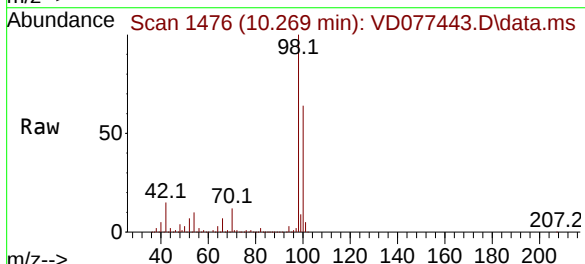
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

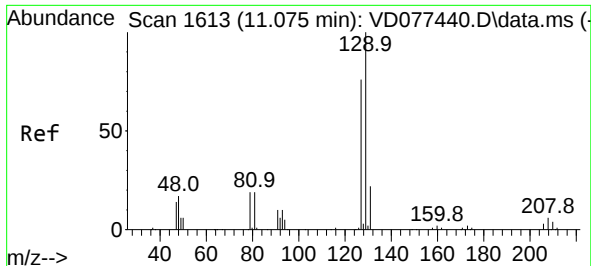
Tgt Ion: 83 Resp: 528633
Ion Ratio Lower Upper
83 100
85 65.3 50.2 75.4
127 8.0 6.3 9.5



#50
Toluene-d8
Concen: 46.907 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

Tgt Ion: 98 Resp: 977429
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5

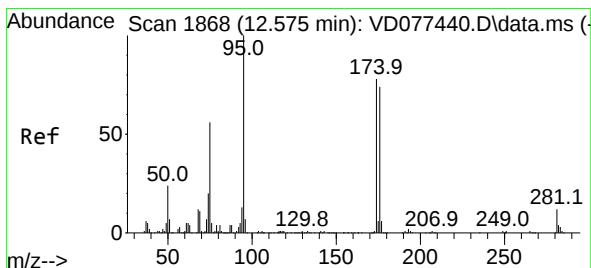
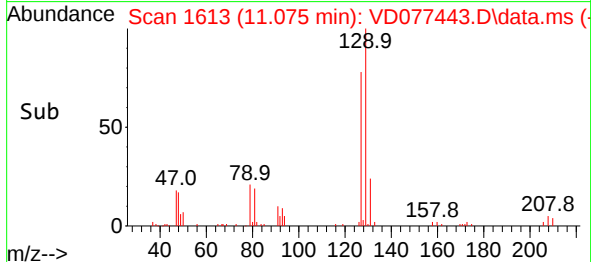
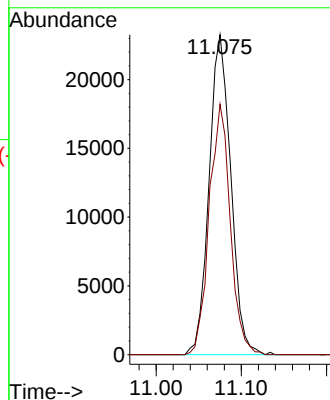
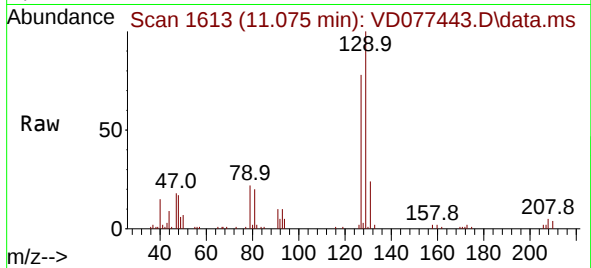




#60
Dibromochloromethane
Concen: 7.999 ug/l
RT: 11.075 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

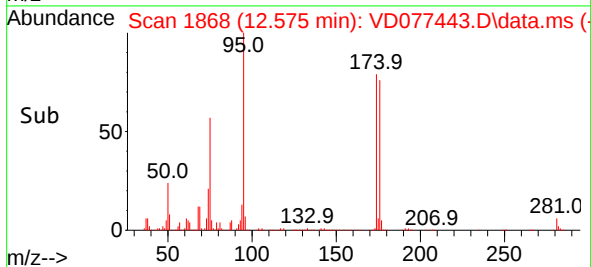
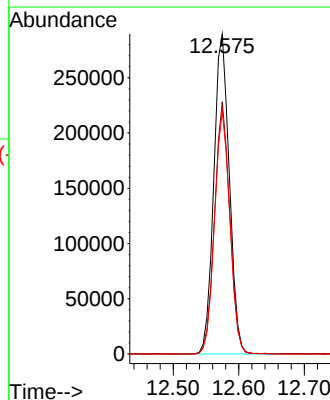
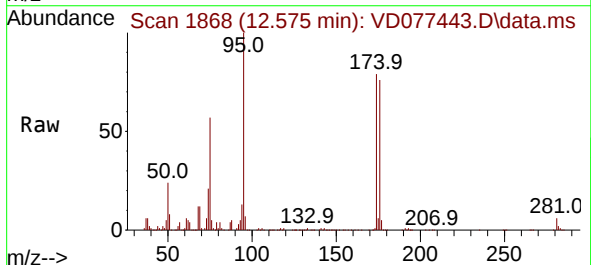
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

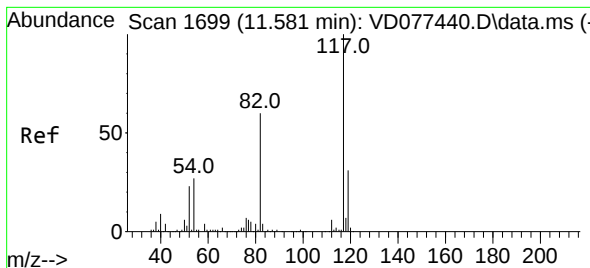
Tgt Ion:129 Resp: 41239
Ion Ratio Lower Upper
129 100
127 75.9 37.1 111.5



#62
4-Bromofluorobenzene
Concen: 67.869 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

Tgt Ion: 95 Resp: 476314
Ion Ratio Lower Upper
95 100
174 77.0 0.0 201.8
176 74.6 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

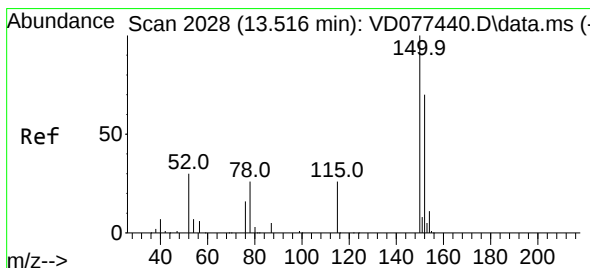
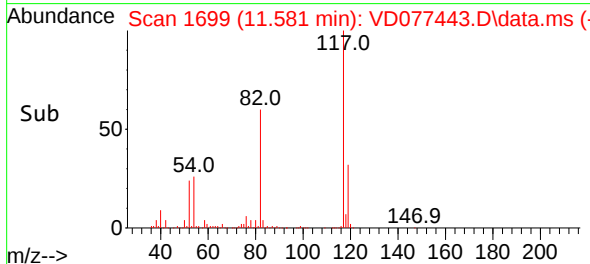
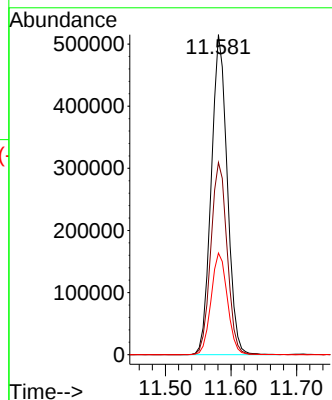
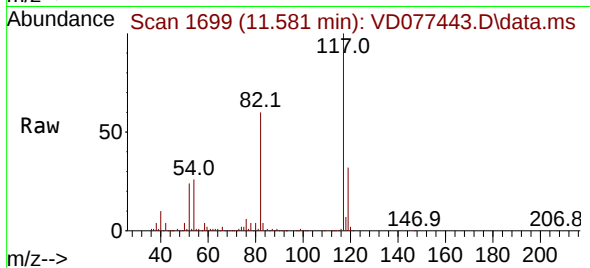
Tgt Ion:117 Resp: 871928

Ion Ratio Lower Upper

117 100

82 60.0 38.3 57.5#

119 31.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

Tgt Ion:152 Resp: 475798

Ion Ratio Lower Upper

152 100

115 60.1 27.1 81.3

150 156.0 0.0 353.6

