

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
 Data File : VX031898.D
 Acq On : 05 Oct 2022 16:30
 Operator : JC/MD
 Sample : N4943-01
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-001-0930

Quant Time: Oct 05 16:54:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 05 12:20:53 2022
 Response via : Initial Calibration

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

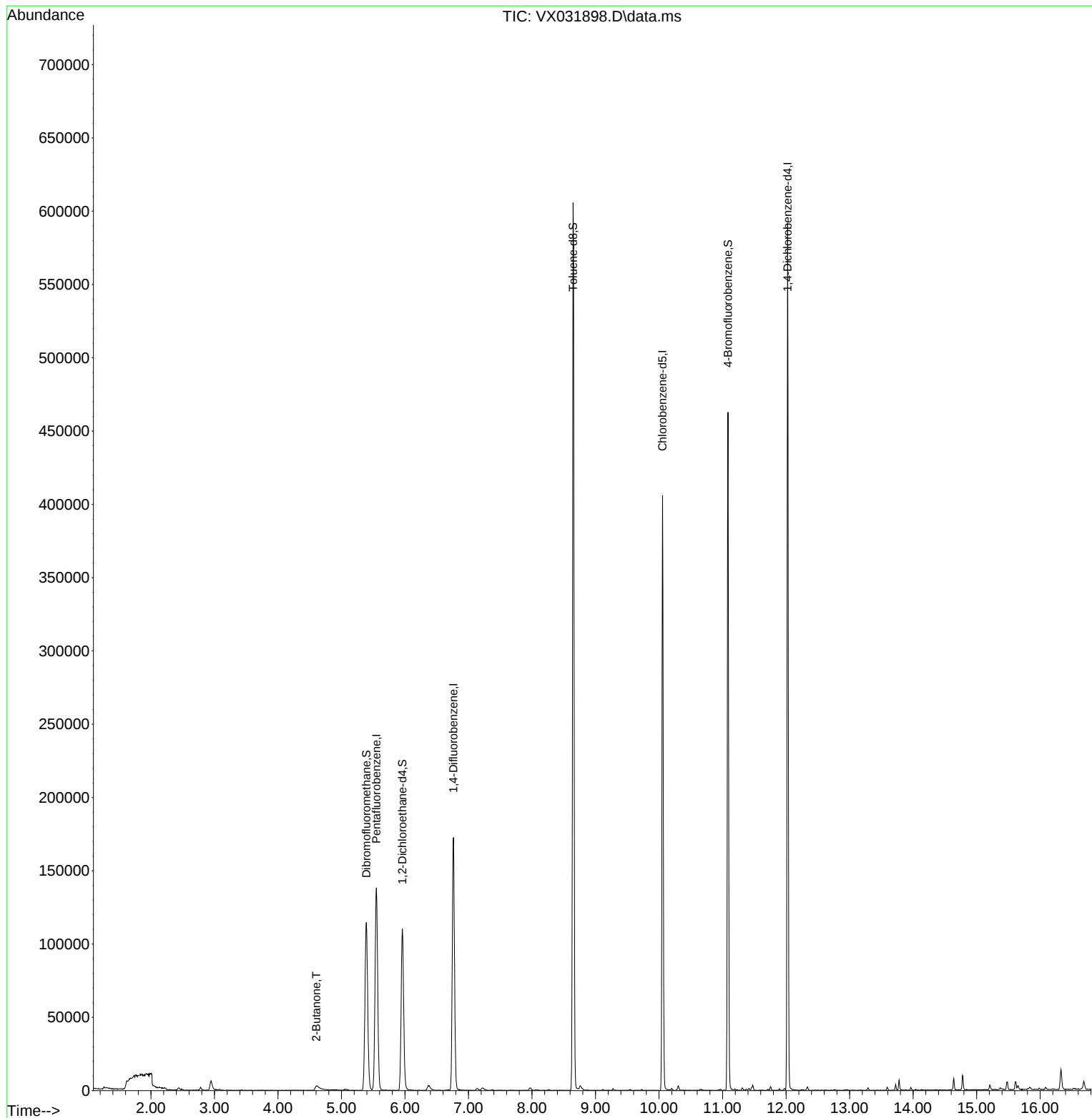
Internal Standards						
1) Pentafluorobenzene	5.550	168	153161	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	207731	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206466	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	105201	45.603	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.200%
35) Dibromofluoromethane	5.391	113	102548	45.120	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.240%
50) Toluene-d8	8.647	98	387013	48.072	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.140%
62) 4-Bromofluorobenzene	11.085	95	124079	42.847	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.700%
Target Compounds						
25) 2-Butanone	4.605	43	9955	9.354	ug/l	# 78

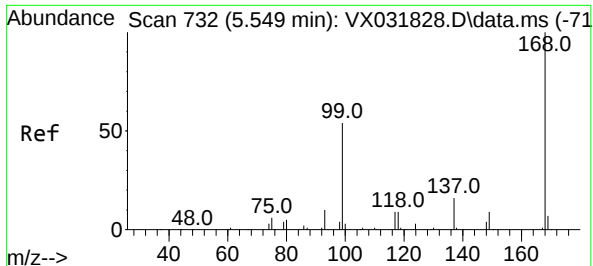
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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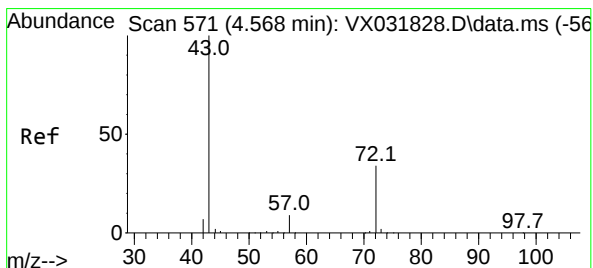
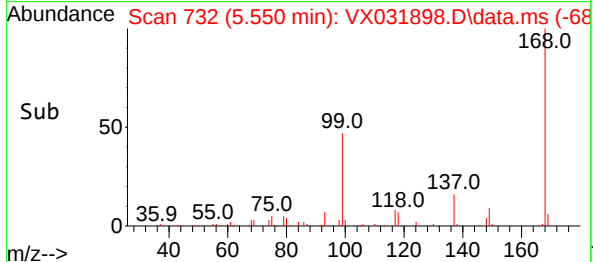
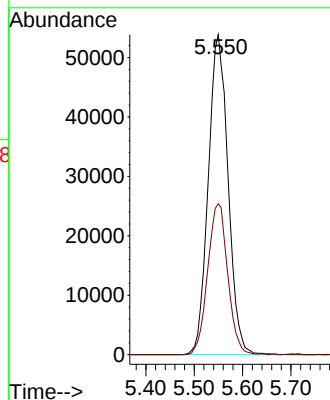
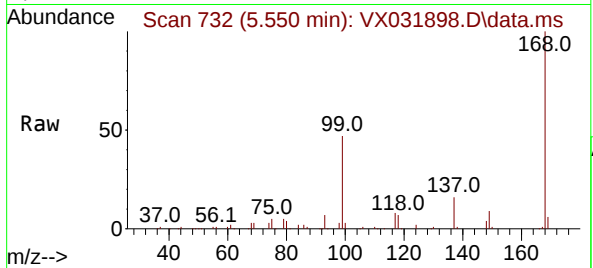




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031898.D
Acq: 05 Oct 2022 16:30

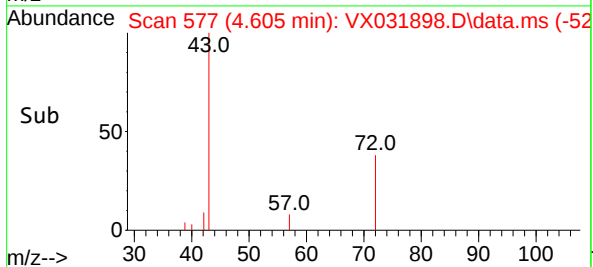
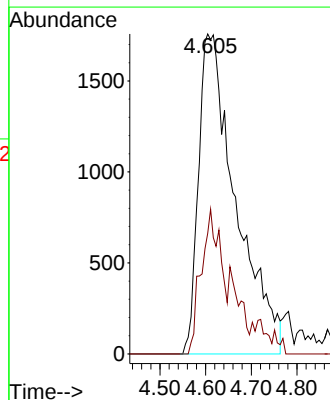
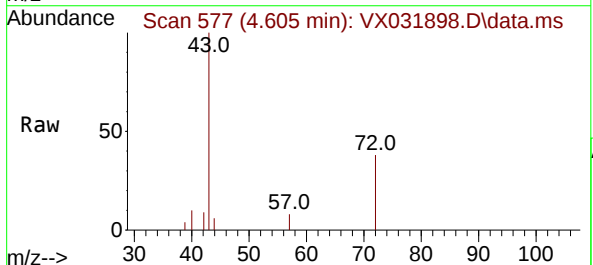
Instrument :
MSVOA_X
ClientSampleId :
SOIL-001-0930

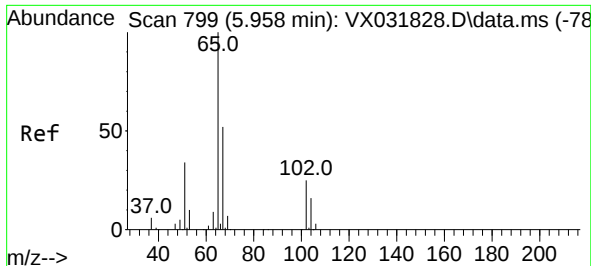
Tgt Ion:168 Resp: 153161
Ion Ratio Lower Upper
168 100
99 47.1 48.8 73.2#



#25
2-Butanone
Concen: 9.354 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.037 min
Lab File: VX031898.D
Acq: 05 Oct 2022 16:30

Tgt Ion: 43 Resp: 9955
Ion Ratio Lower Upper
43 100
72 37.7 21.1 31.7#





#33

1,2-Dichloroethane-d4

Concen: 45.603 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX031898.D

Acq: 05 Oct 2022 16:30

Instrument :

MSVOA_X

ClientSampleId :

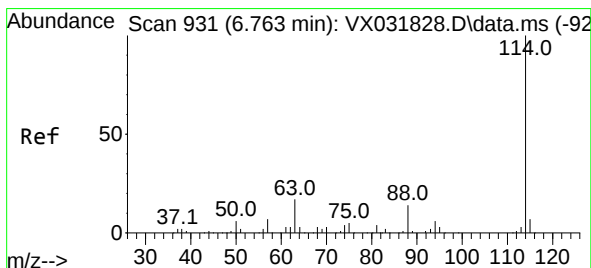
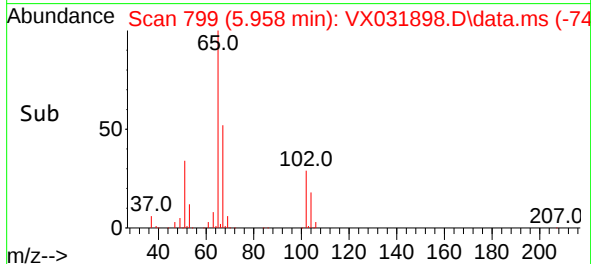
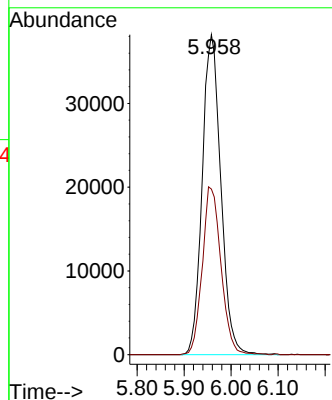
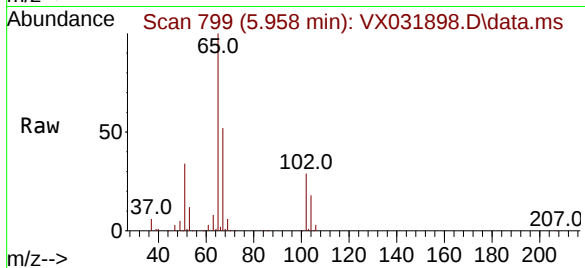
SOIL-001-0930

Tgt Ion: 65 Resp: 105201

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031898.D

Acq: 05 Oct 2022 16:30

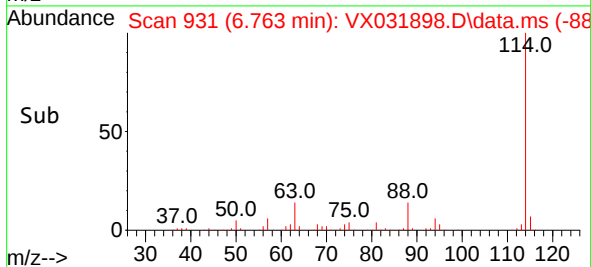
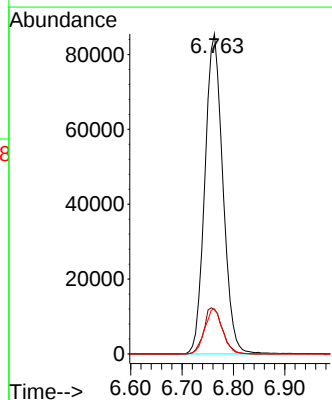
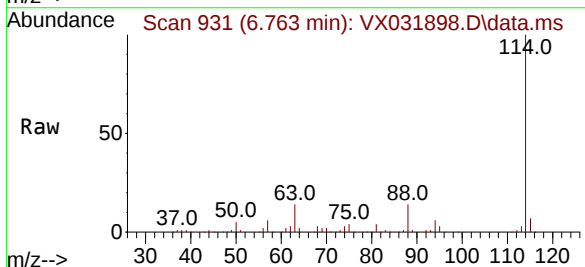
Tgt Ion: 114 Resp: 207731

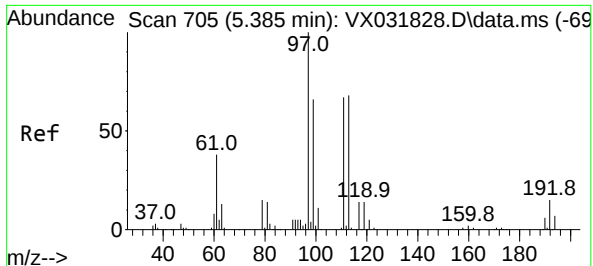
Ion Ratio Lower Upper

114 100

63 13.9 0.0 42.6

88 14.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 45.120 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031898.D

Acq: 05 Oct 2022 16:30

Instrument :

MSVOA_X

ClientSampleId :

SOIL-001-0930

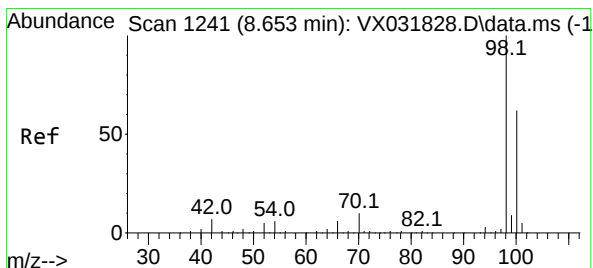
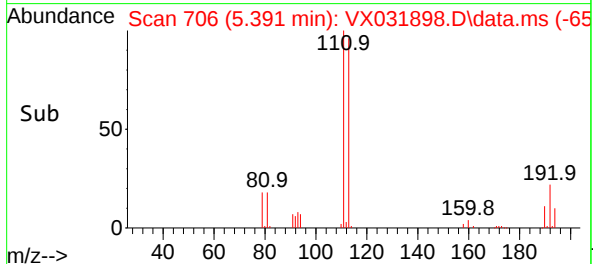
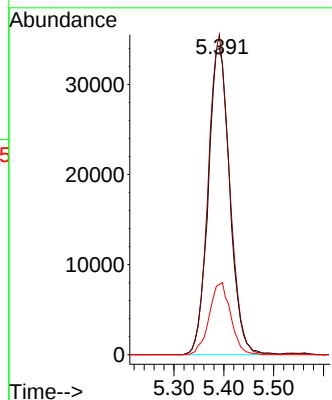
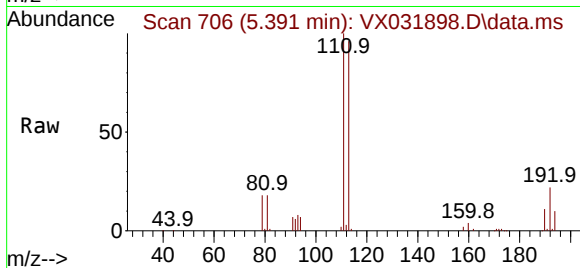
Tgt Ion:113 Resp: 102548

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 23.3 14.1 21.1#



#50

Toluene-d8

Concen: 48.072 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031898.D

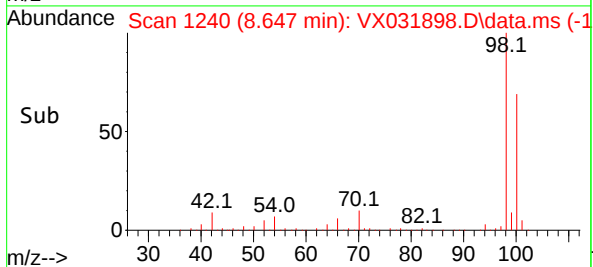
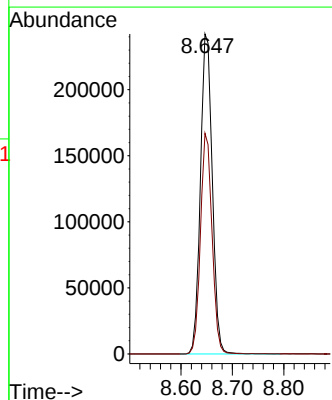
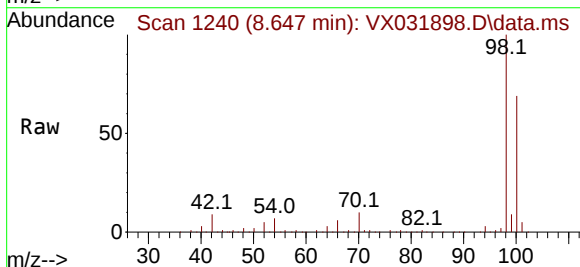
Acq: 05 Oct 2022 16:30

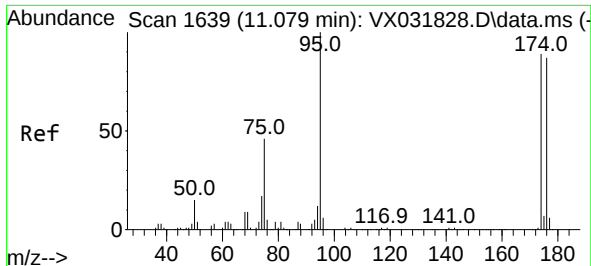
Tgt Ion: 98 Resp: 387013

Ion Ratio Lower Upper

98 100

100 67.4 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 42.847 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX031898.D

Acq: 05 Oct 2022 16:30

Instrument :

MSVOA_X

ClientSampleId :

SOIL-001-0930

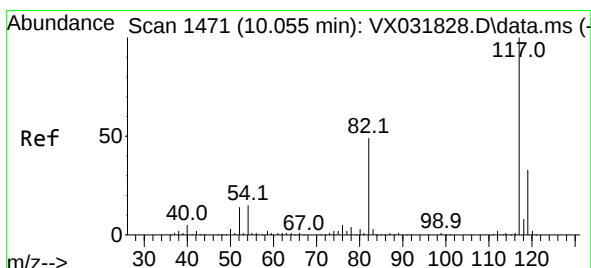
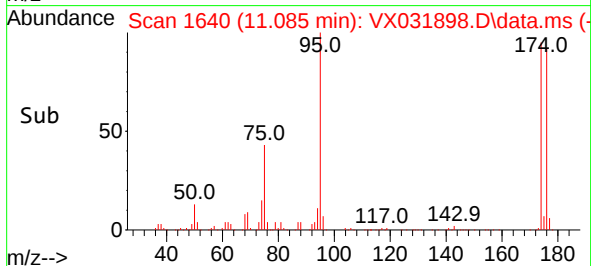
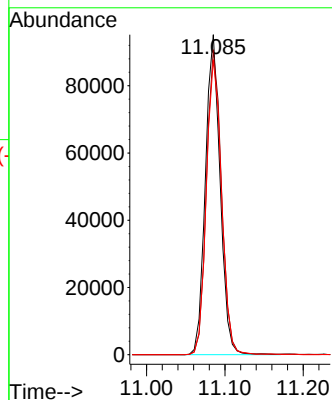
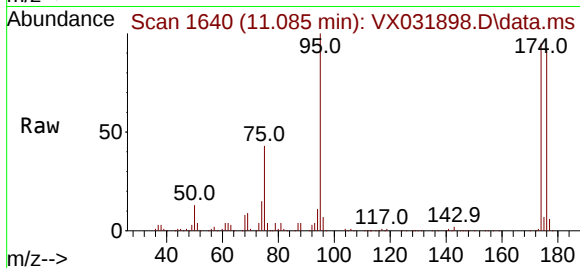
Tgt Ion: 95 Resp: 124079

Ion Ratio Lower Upper

95 100

174 97.4 0.0 153.2

176 95.0 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX031898.D

Acq: 05 Oct 2022 16:30

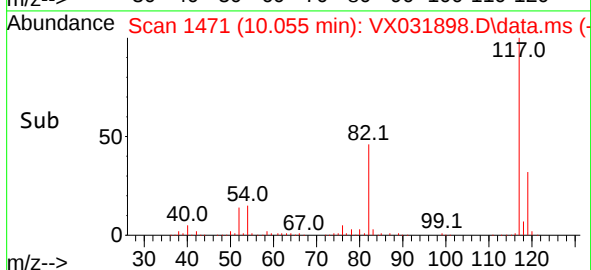
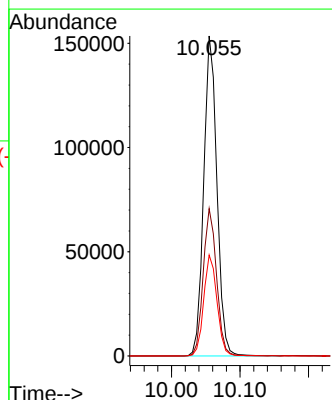
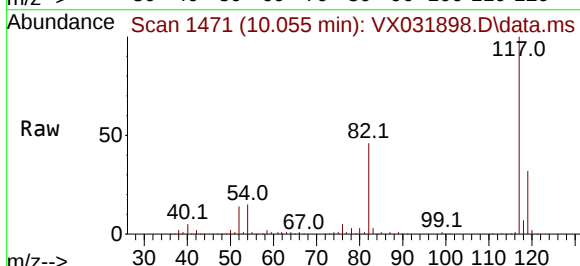
Tgt Ion: 117 Resp: 206466

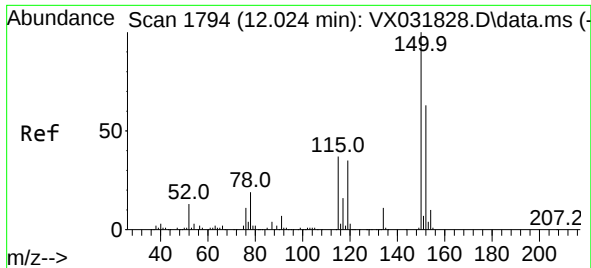
Ion Ratio Lower Upper

117 100

82 46.1 46.8 70.2#

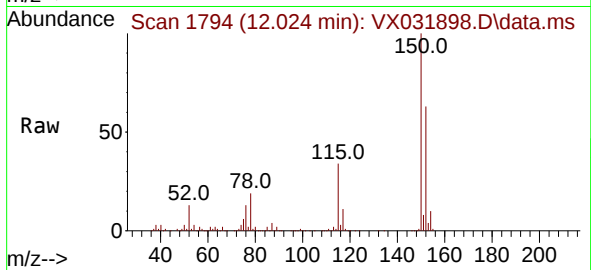
119 31.5 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031898.D
 Acq: 05 Oct 2022 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-001-0930



Tgt Ion:152 Resp: 138851

Ion	Ratio	Lower	Upper
152	100		
115	54.4	43.4	130.1
150	156.4	0.0	346.8

