

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013293.D
 Acq On : 13 Apr 2023 14:08
 Operator : KP/MD
 Sample : 02224-01
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-01

Quant Time: Apr 14 03:00:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

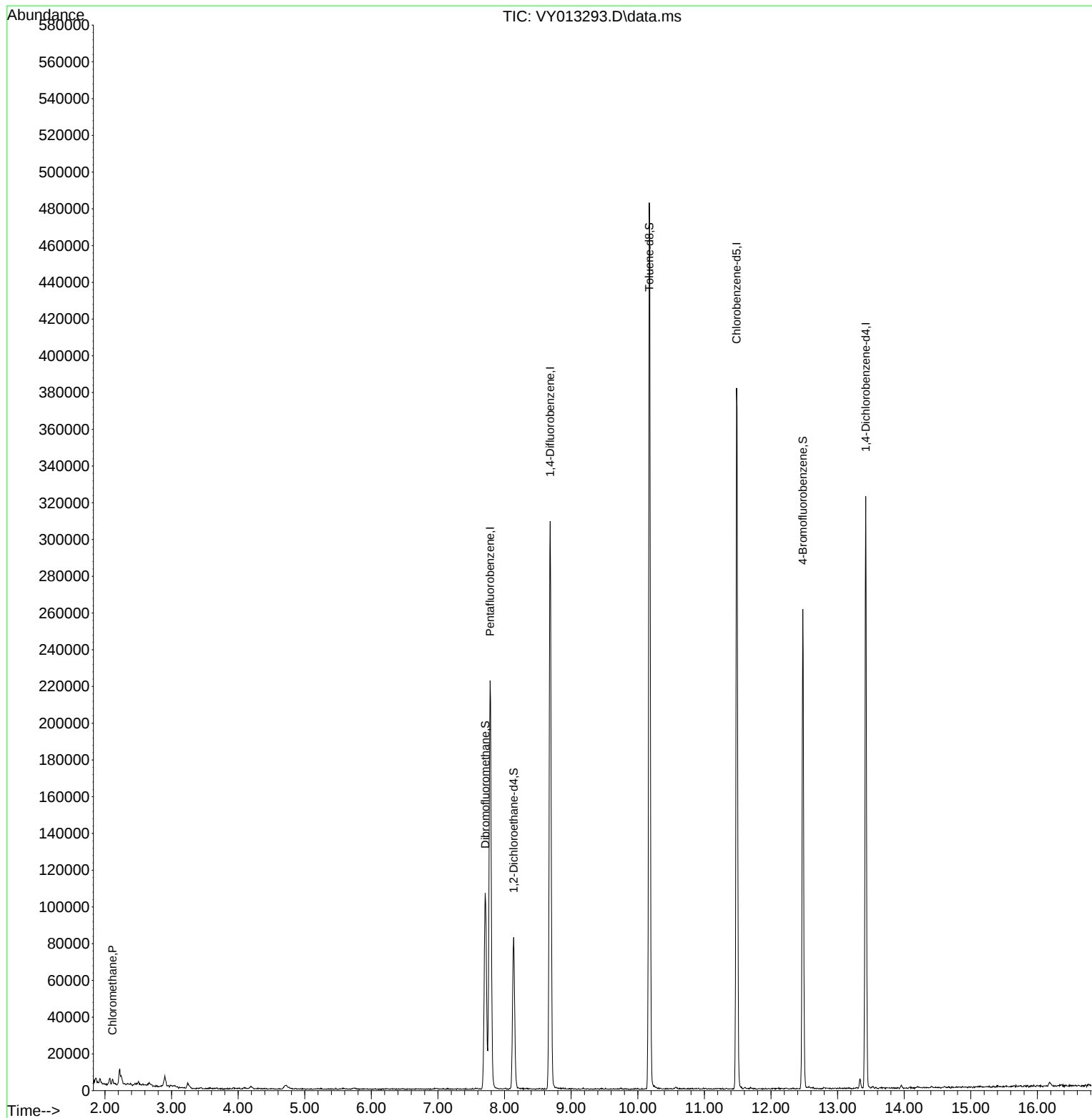
Internal Standards						
1) Pentafluorobenzene	7.783	168	164422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	257660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	204424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	65424	33.110	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	66.220%
35) Dibromofluoromethane	7.710	113	75164	45.060	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.120%
50) Toluene-d8	10.173	98	310418	49.996	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.000%
62) 4-Bromofluorobenzene	12.477	95	74405	36.883	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	73.760%
Target Compounds						
3) Chloromethane	2.113	50	2642	1.425	ug/l	Qvalue # 77

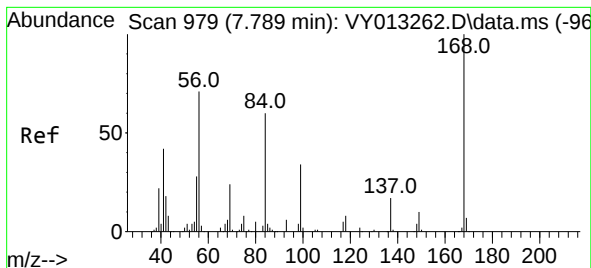
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.006 min

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MSVOA_Y

ClientSampleId :

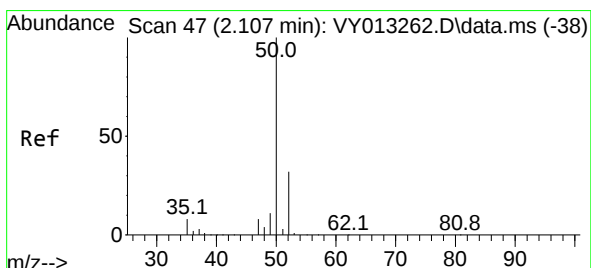
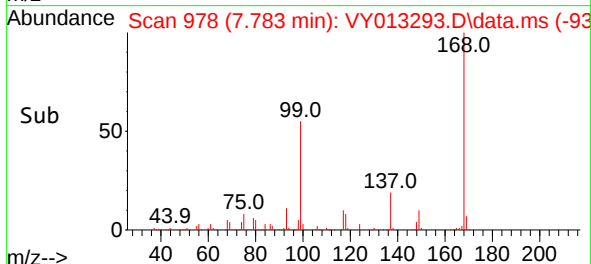
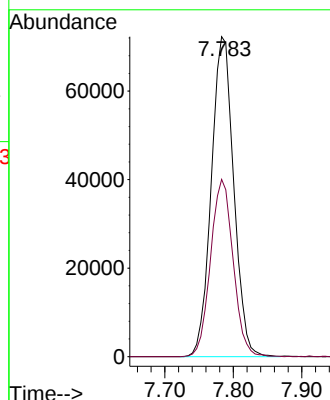
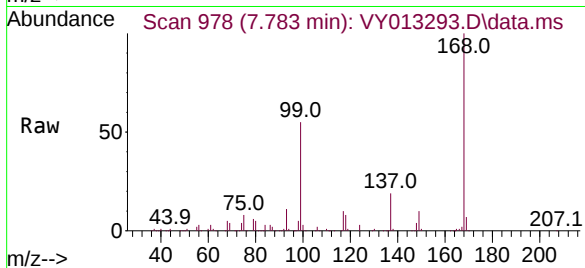
OU3-FC-BACKFILL-01

Tgt Ion:168 Resp: 164422

Ion Ratio Lower Upper

168 100

99 55.4 41.7 62.5



#3

Chloromethane

Concen: 1.425 ug/l

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY013293.D

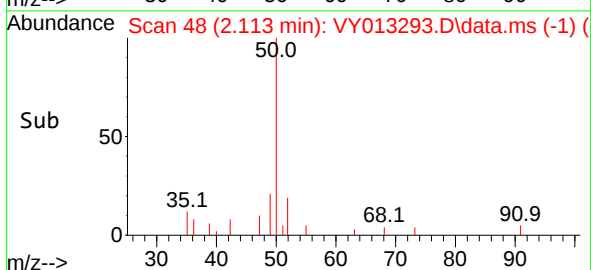
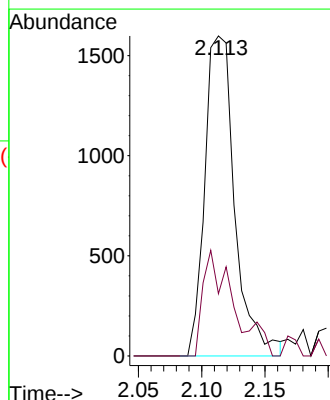
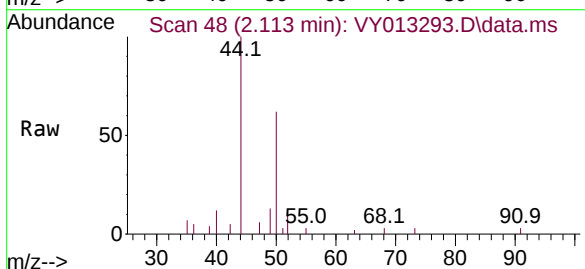
Acq: 13 Apr 2023 14:08

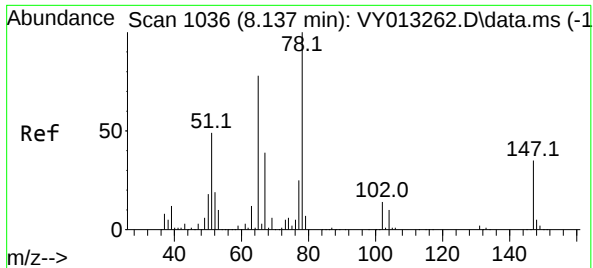
Tgt Ion: 50 Resp: 2642

Ion Ratio Lower Upper

50 100

52 19.5 26.0 39.0#





#33

1,2-Dichloroethane-d4

Concen: 33.110 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013293.D

Acq: 13 Apr 2023 14:08

Instrument :

MSVOA_Y

ClientSampleId :

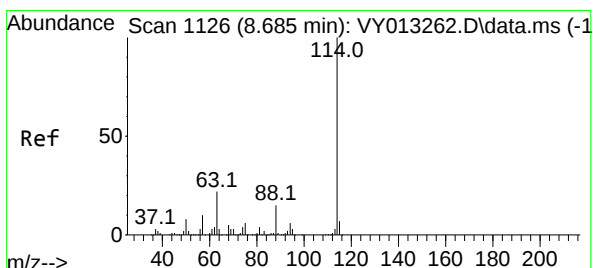
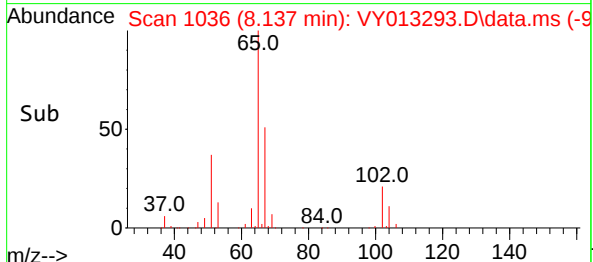
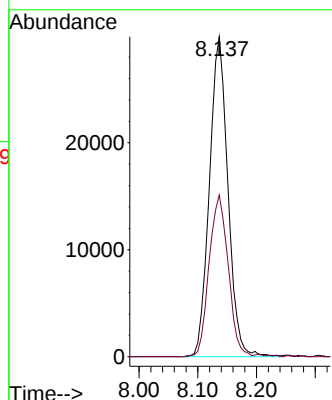
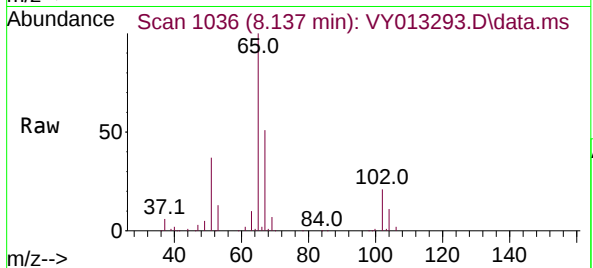
OU3-FC-BACKFILL-01

Tgt Ion: 65 Resp: 65424

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY013293.D

Acq: 13 Apr 2023 14:08

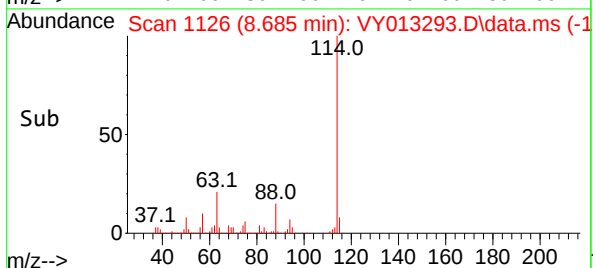
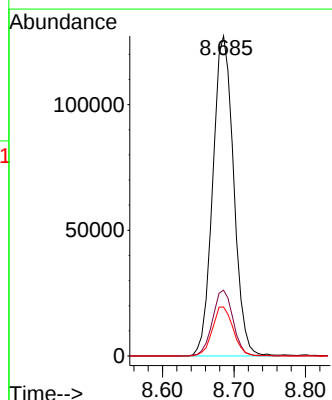
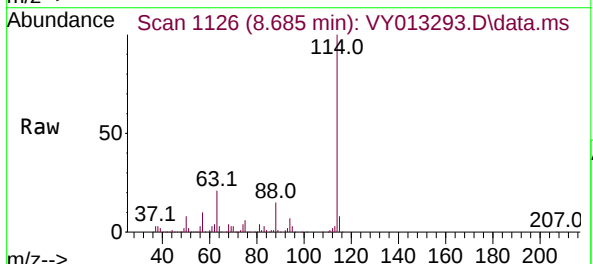
Tgt Ion:114 Resp: 257660

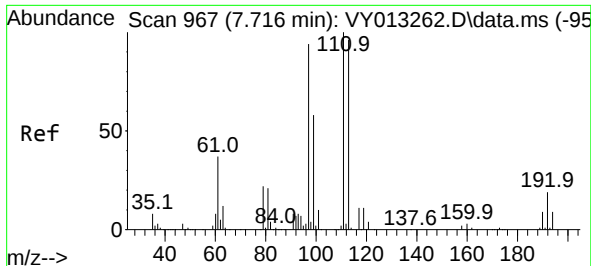
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.3 0.0 28.6

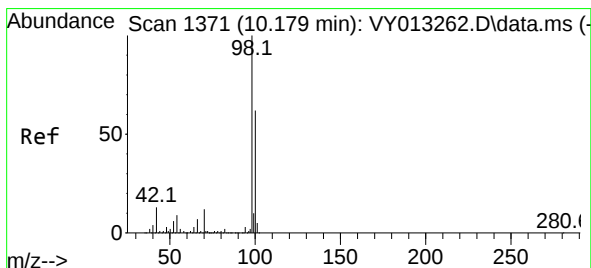
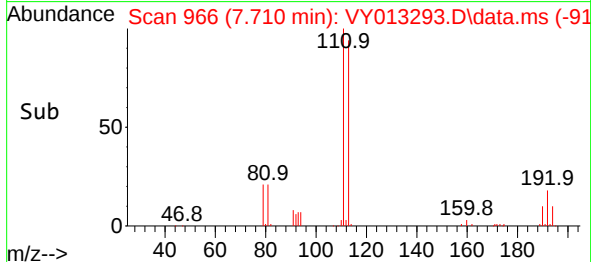
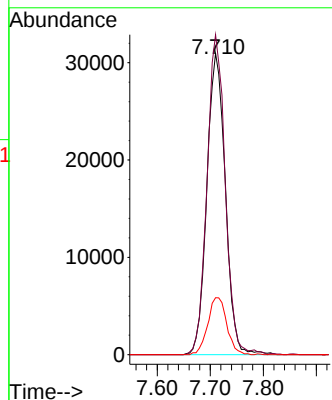
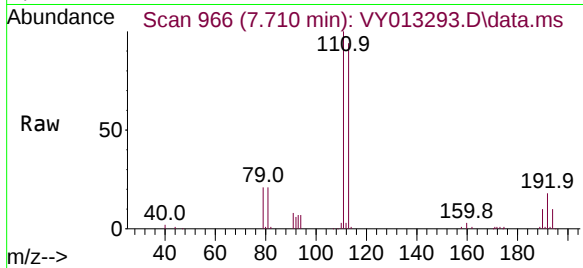




#35
Dibromofluoromethane
Concen: 45.060 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

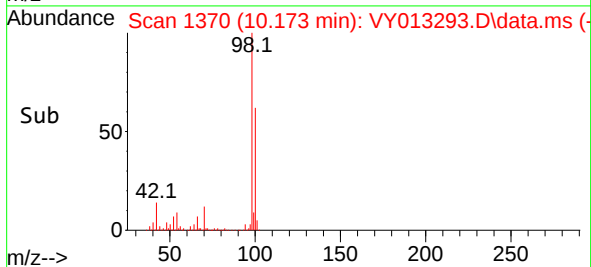
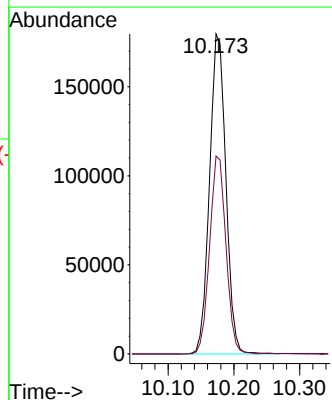
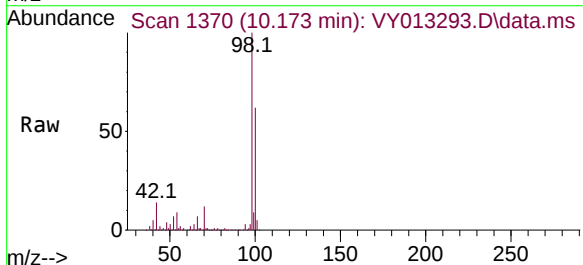
Instrument :
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OU3-FC-BACKFILL-01

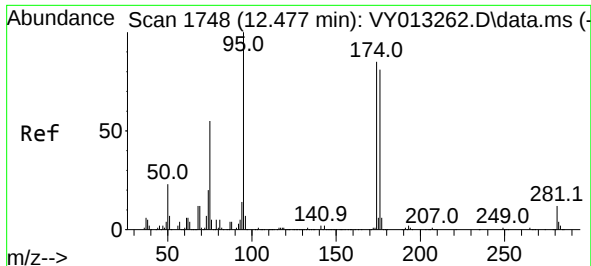
Tgt Ion:113 Resp: 75164
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.2
192 19.5 16.8 25.2



#50
Toluene-d8
Concen: 49.996 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

Tgt Ion: 98 Resp: 310418
Ion Ratio Lower Upper
98 100
100 62.0 50.9 76.3

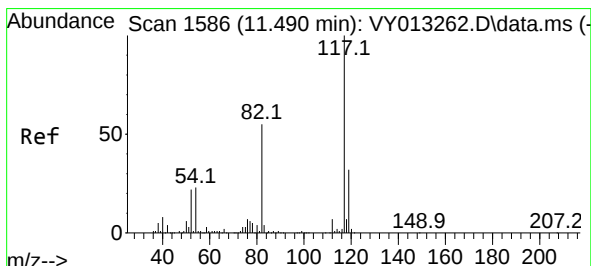
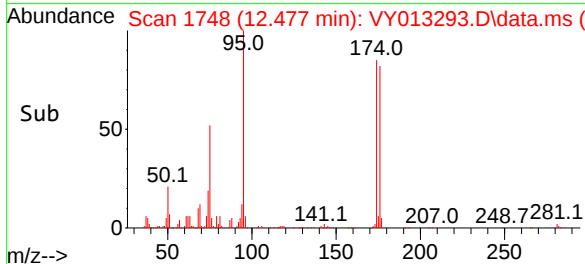
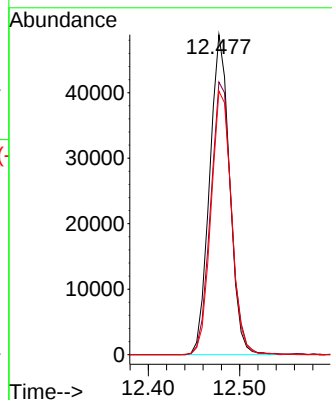
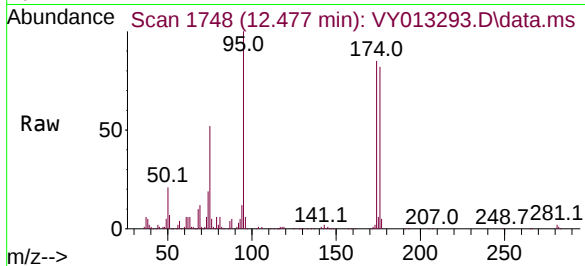




#62
4-Bromofluorobenzene
Concen: 36.883 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

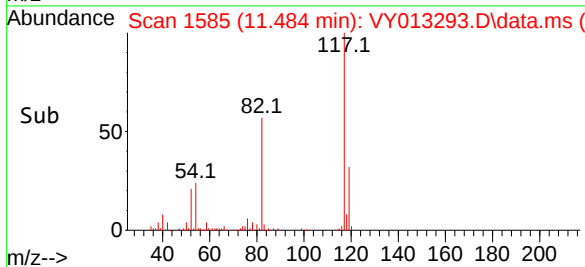
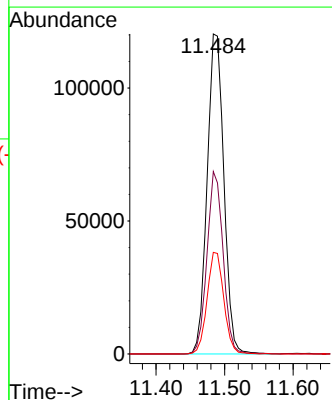
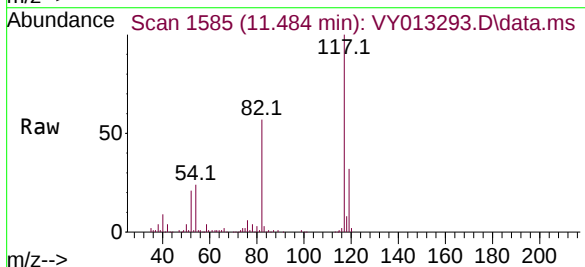
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MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-01

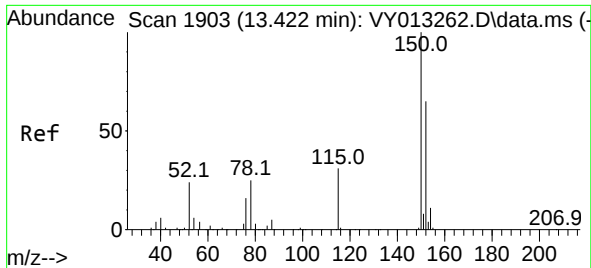
Tgt Ion: 95 Resp: 74405
Ion Ratio Lower Upper
95 100
174 88.1 0.0 176.6
176 84.0 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

Tgt Ion: 117 Resp: 204424
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 31.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013293.D

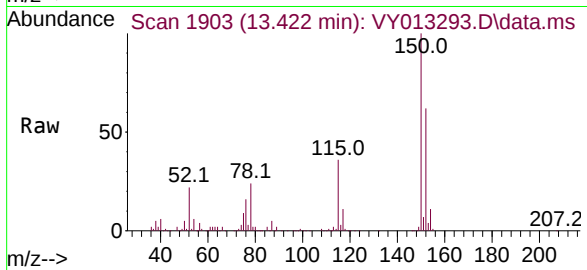
Acq: 13 Apr 2023 14:08

Instrument :

MSVOA_Y

ClientSampleId :

OU3-FC-BACKFILL-01



Tgt Ion:152 Resp: 78005

Ion Ratio Lower Upper

152 100

115 57.0 27.1 81.3

150 158.9 0.0 347.8

