

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013299.D
 Acq On : 13 Apr 2023 16:29
 Operator : KP/MD
 Sample : 02224-13
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-07

Quant Time: Apr 14 03:01:02 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	186081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	316148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	287473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	128201	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	119394	53.390	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.780%
35) Dibromofluoromethane	7.710	113	109520	53.510	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.020%
50) Toluene-d8	10.173	98	391039	51.329	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.660%
62) 4-Bromofluorobenzene	12.477	95	116242	46.961	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.920%

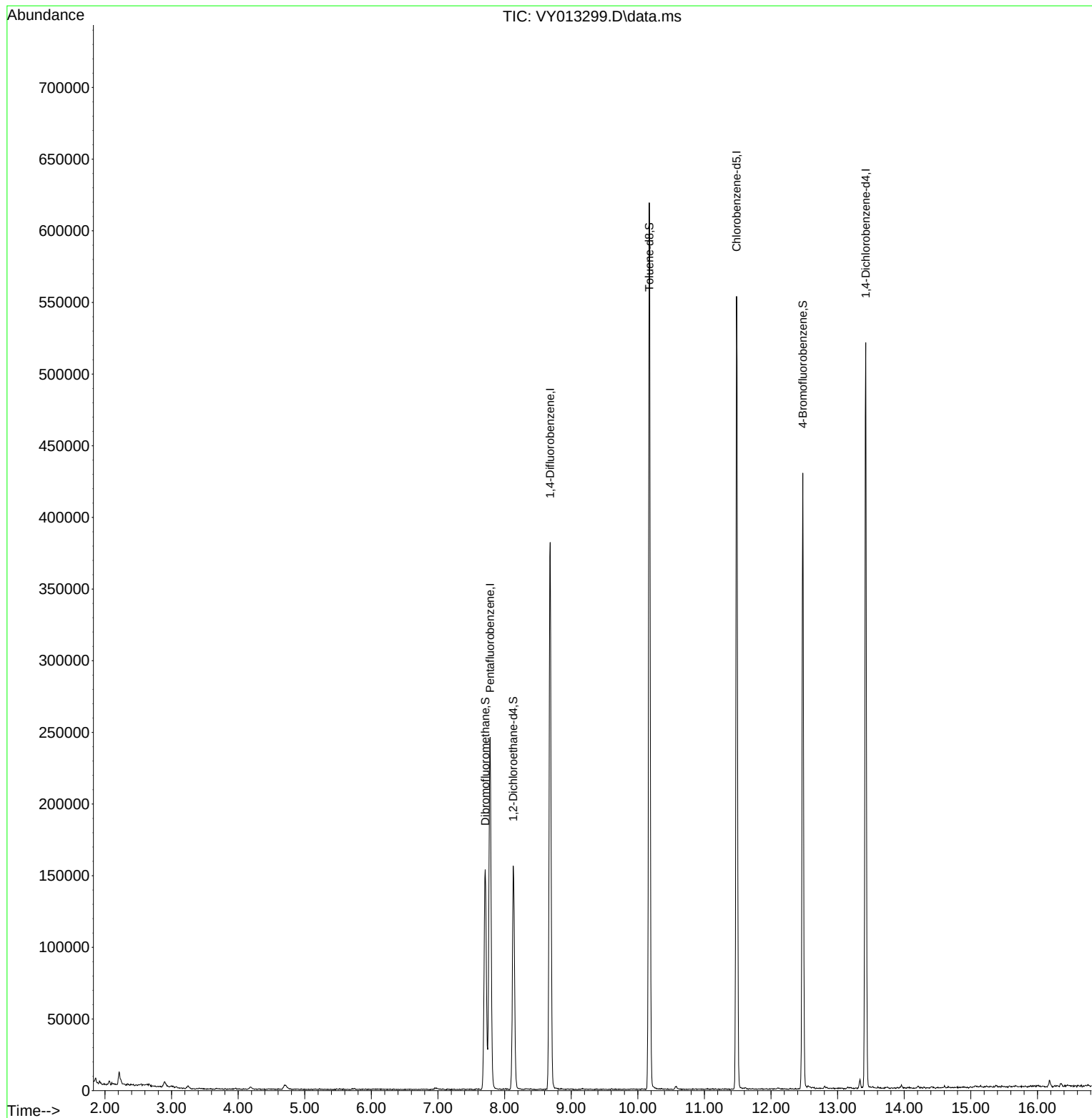
Target Compounds	Qvalue

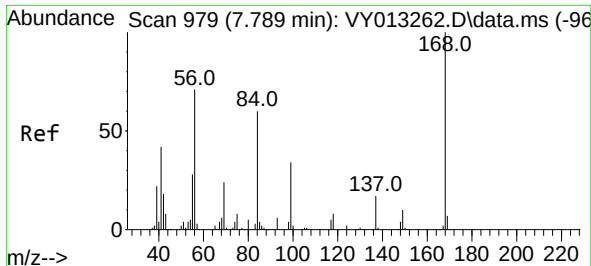
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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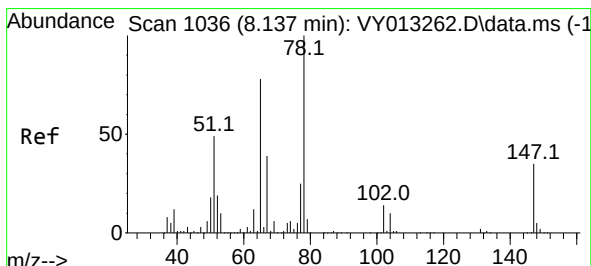
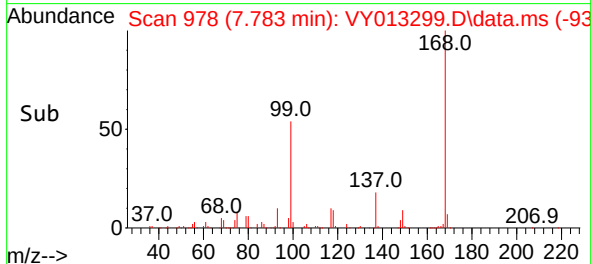
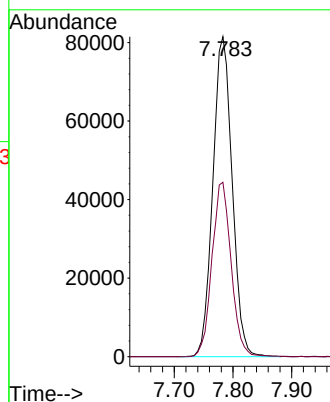
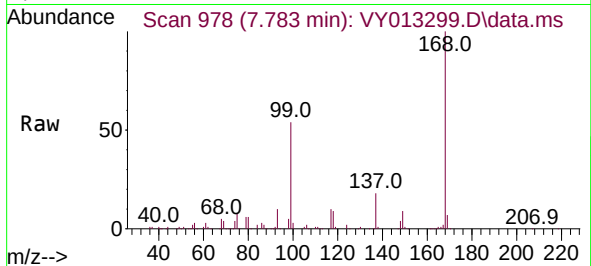




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

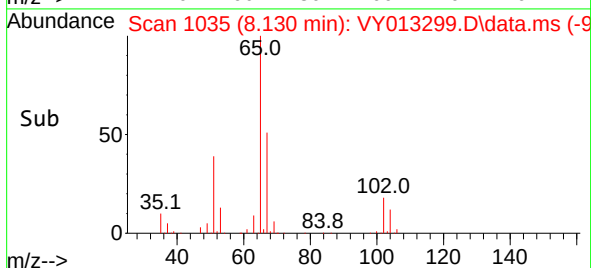
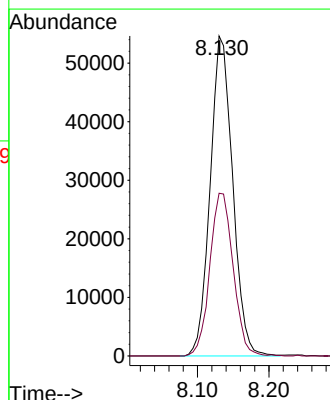
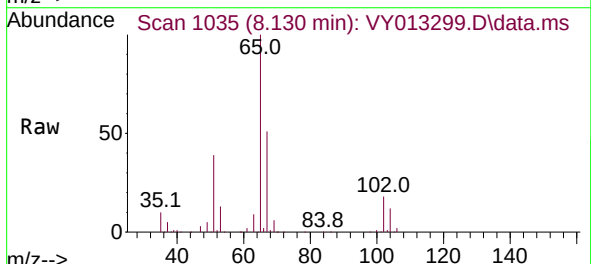
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-07

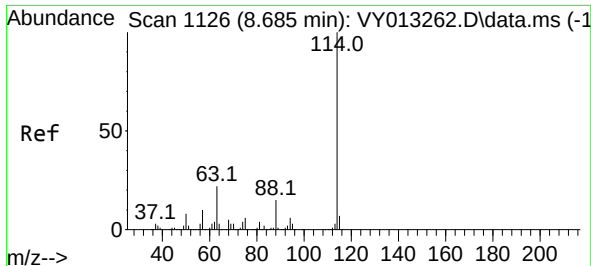
Tgt Ion:168 Resp: 186081
Ion Ratio Lower Upper
168 100
99 54.5 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 53.390 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Tgt Ion: 65 Resp: 119394
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.0

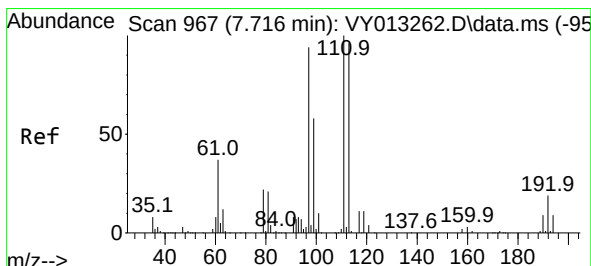
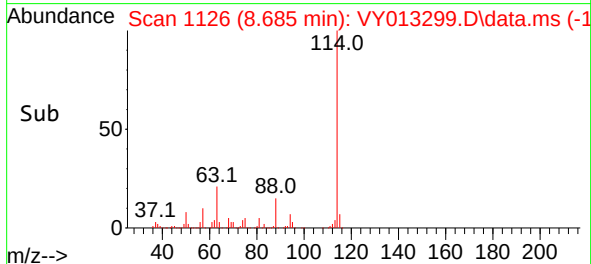
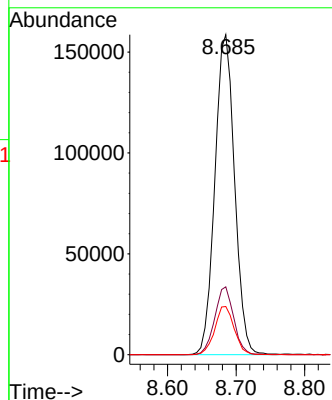
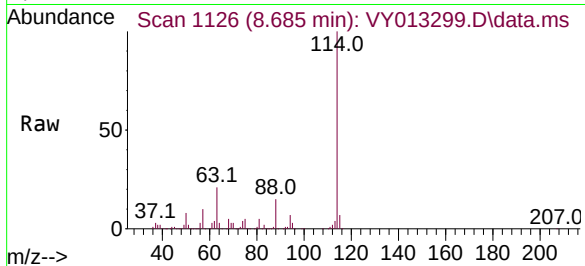




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

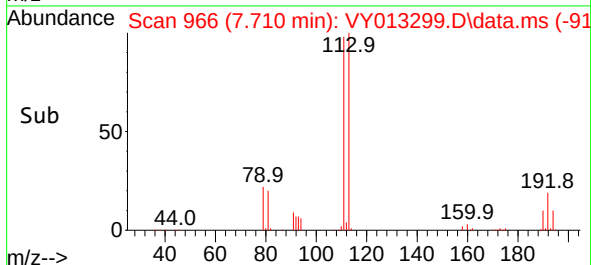
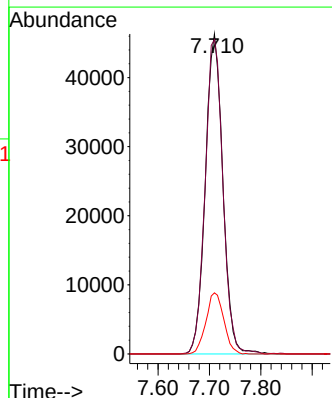
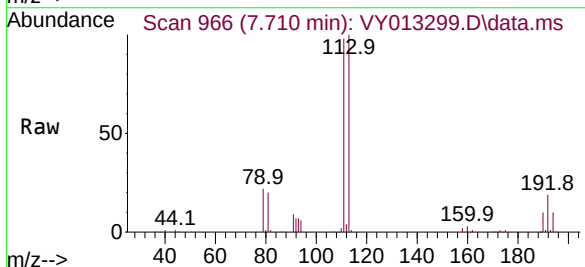
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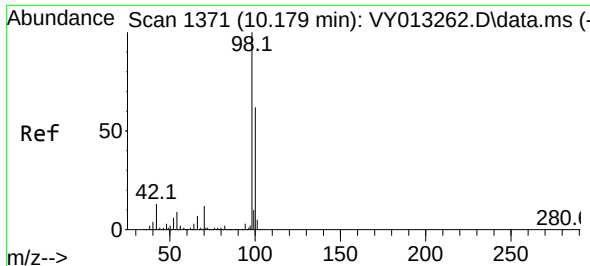
Tgt Ion:114 Resp: 316148
Ion Ratio Lower Upper
114 100
63 21.2 0.0 37.4
88 15.1 0.0 28.6



#35
Dibromofluoromethane
Concen: 53.510 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Tgt Ion:113 Resp: 109520
Ion Ratio Lower Upper
113 100
111 100.0 82.2 123.2
192 19.5 16.8 25.2

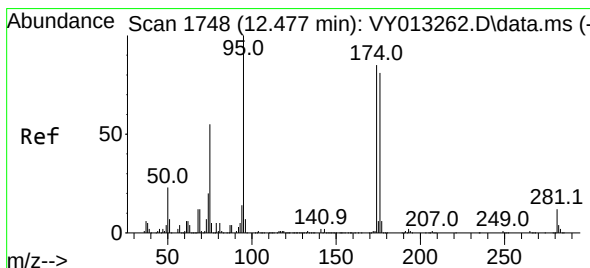
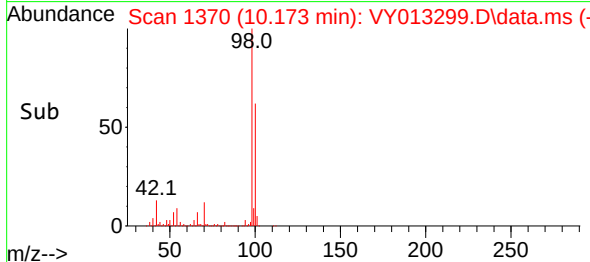
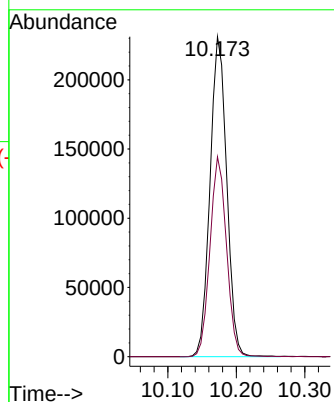
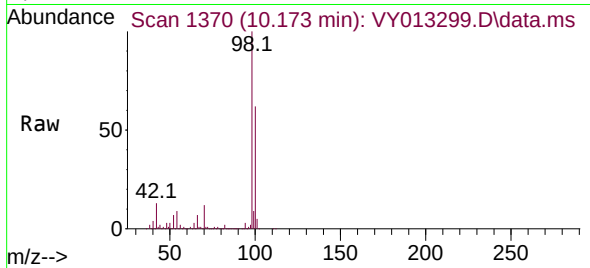




#50
Toluene-d8
Concen: 51.329 ug/l
RT: 10.173 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

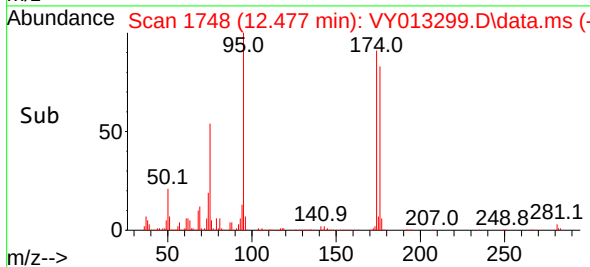
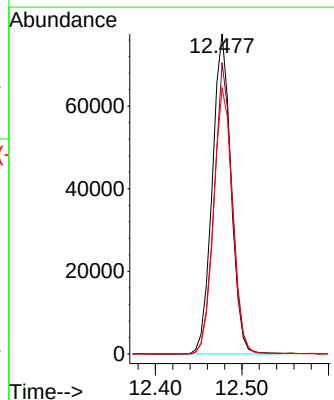
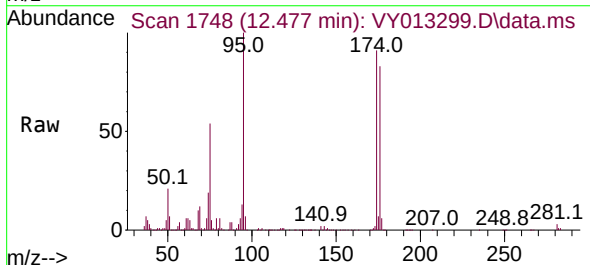
Instrument :
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OU3-FC-BACKFILL-07

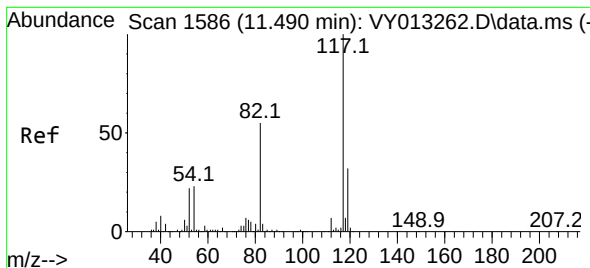
Tgt Ion: 98 Resp: 391039
Ion Ratio Lower Upper
98 100
100 61.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.961 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Tgt Ion: 95 Resp: 116242
Ion Ratio Lower Upper
95 100
174 88.3 0.0 176.6
176 84.2 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013299.D

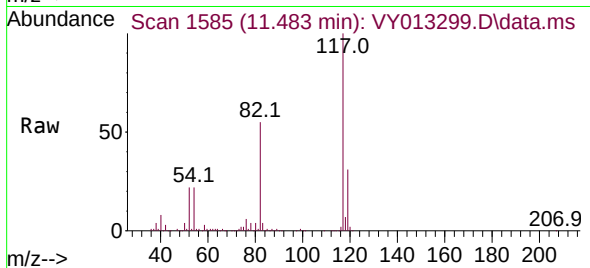
Acq: 13 Apr 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

OU3-FC-BACKFILL-07



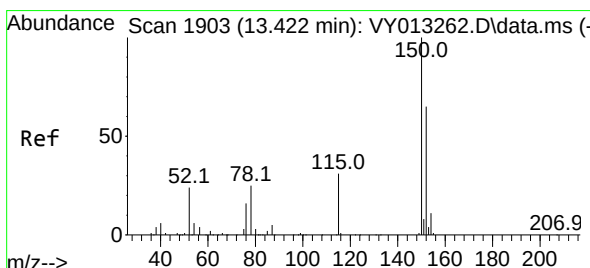
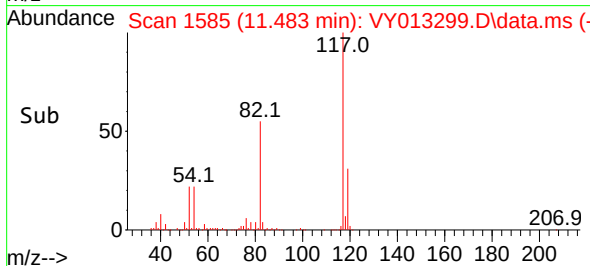
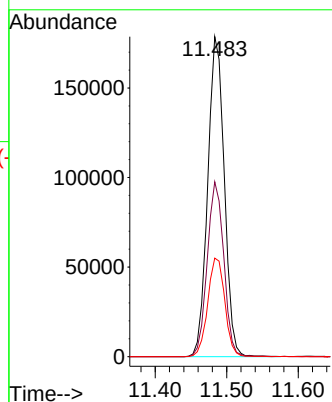
Tgt Ion:117 Resp: 287473

Ion Ratio Lower Upper

117 100

82 54.7 45.4 68.0

119 30.8 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: VY013299.D

Acq: 13 Apr 2023 16:29

Tgt Ion:152 Resp: 128201

Ion Ratio Lower Upper

152 100

115 57.1 27.1 81.3

150 157.4 0.0 347.8

