

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013303.D
 Acq On : 13 Apr 2023 18:03
 Operator : KP/MD
 Sample : 02224-21
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-11

Quant Time: Apr 14 03:01:37 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	167784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	286567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	273523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129396	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	125275	62.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.260%
35) Dibromofluoromethane	7.710	113	102459	55.228	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.460%
50) Toluene-d8	10.173	98	357113	51.715	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.420%
62) 4-Bromofluorobenzene	12.477	95	114290	50.939	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.880%

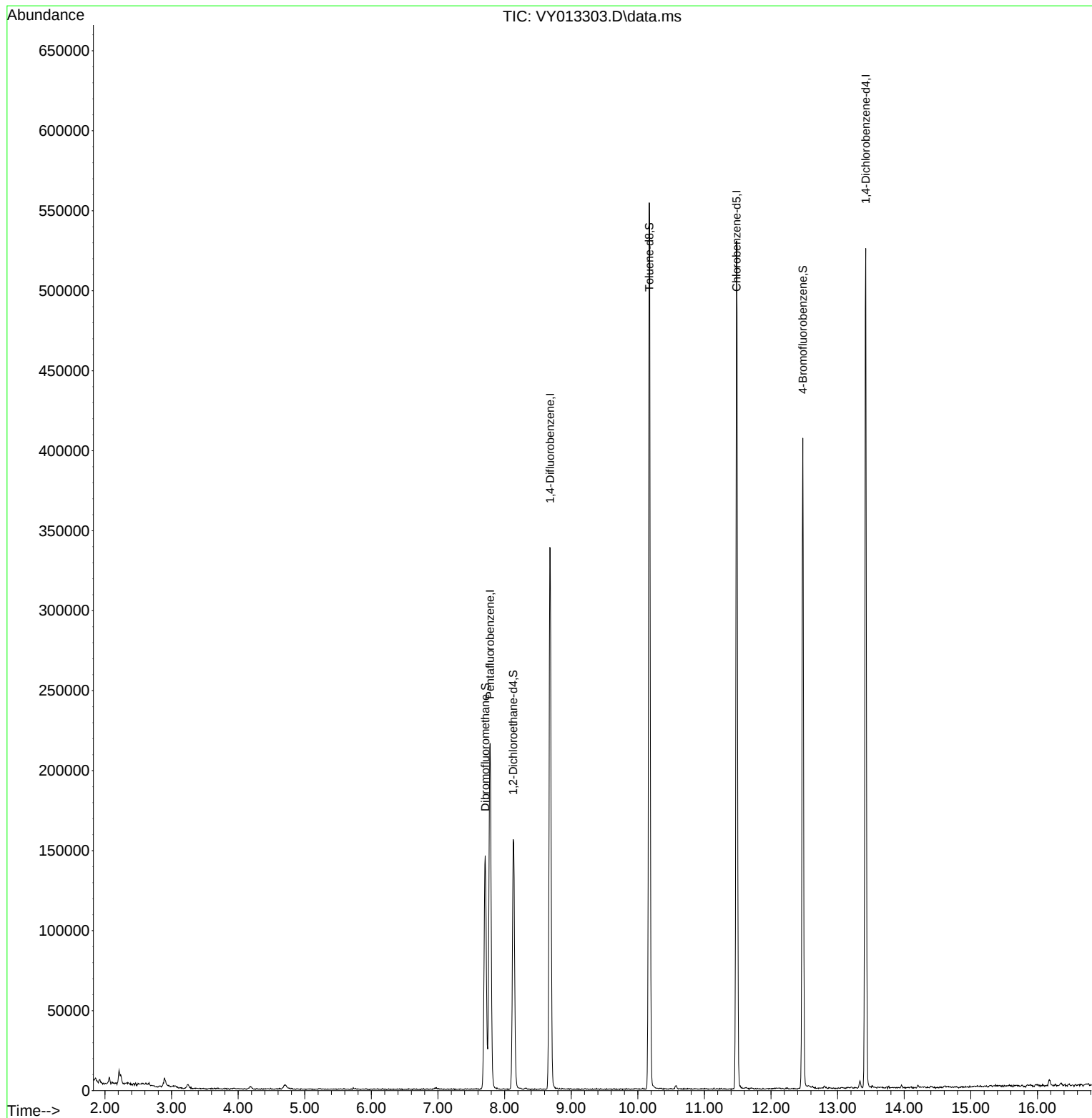
Target Compounds	Qvalue

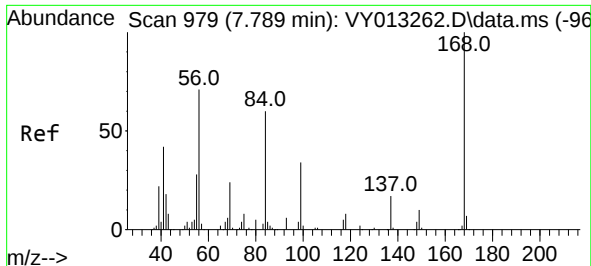
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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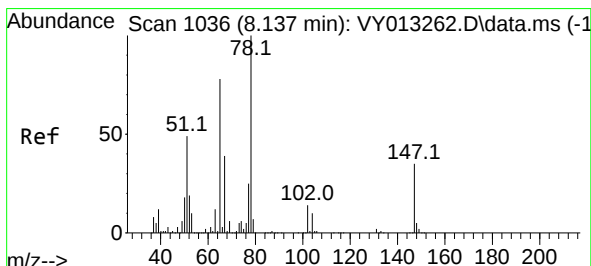
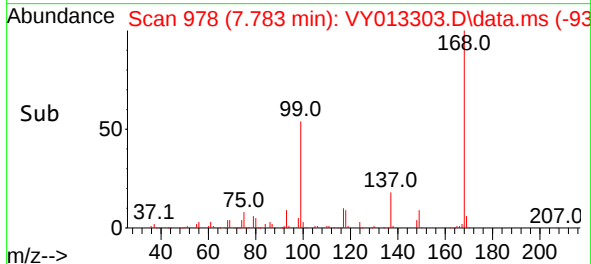
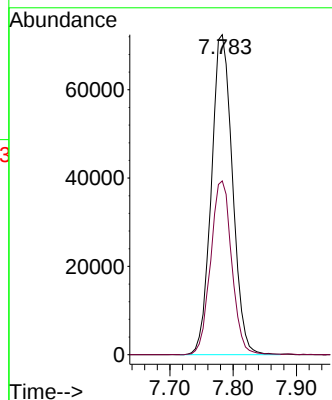
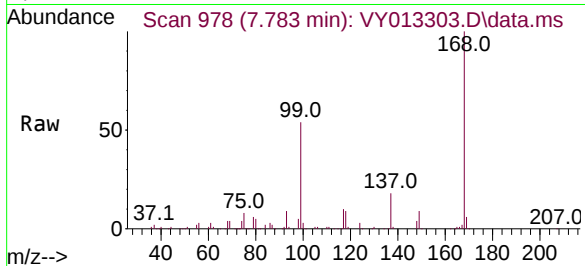




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013303.D
Acq: 13 Apr 2023 18:03

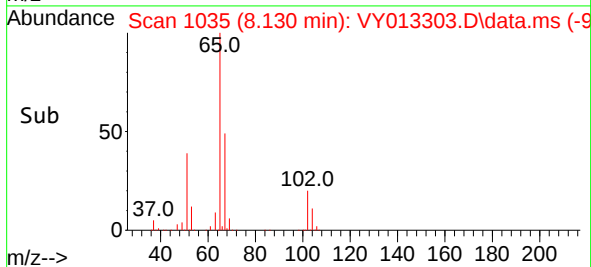
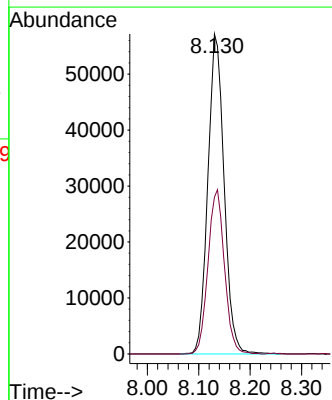
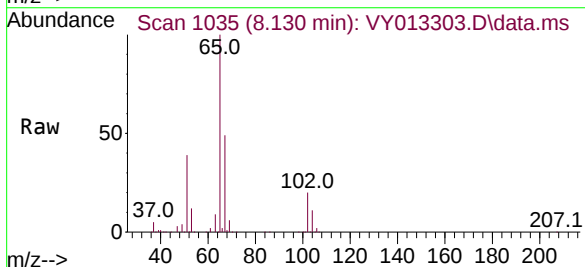
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-11

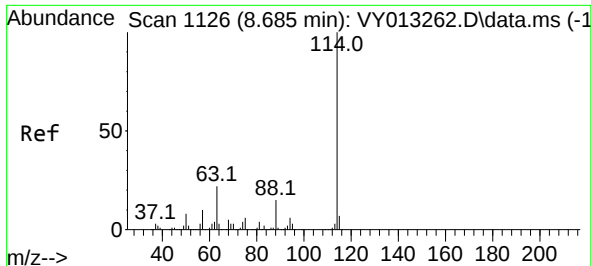
Tgt Ion:168 Resp: 167784
Ion Ratio Lower Upper
168 100
99 54.3 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 62.129 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY013303.D
Acq: 13 Apr 2023 18:03

Tgt Ion: 65 Resp: 125275
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0

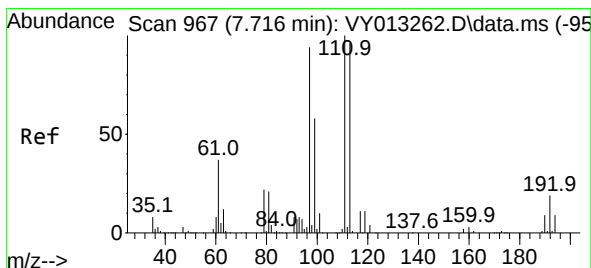
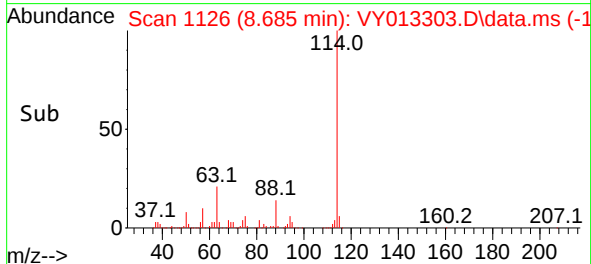
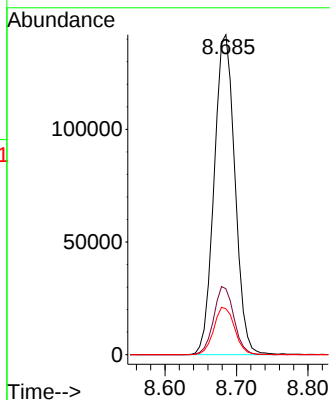
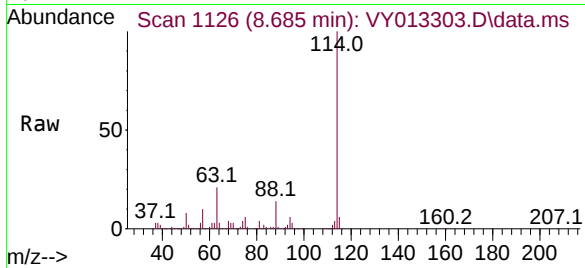




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY013303.D
Acq: 13 Apr 2023 18:03

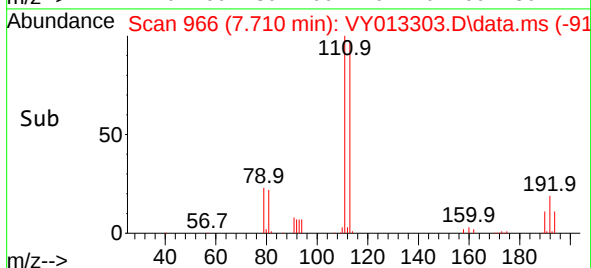
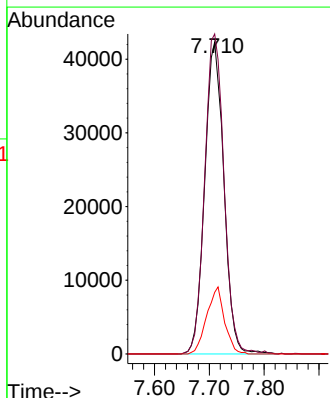
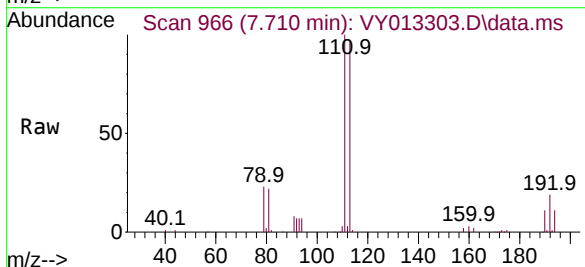
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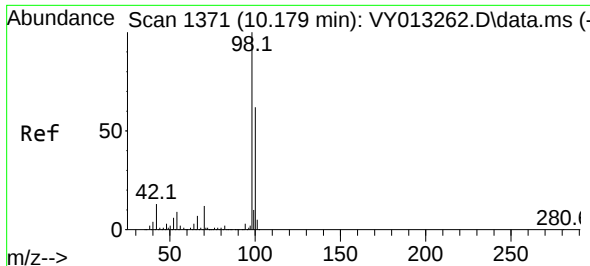
Tgt Ion:114 Resp: 286567
Ion Ratio Lower Upper
114 100
63 20.6 0.0 37.4
88 14.3 0.0 28.6



#35
Dibromofluoromethane
Concen: 55.228 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013303.D
Acq: 13 Apr 2023 18:03

Tgt Ion:113 Resp: 102459
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 20.0 16.8 25.2

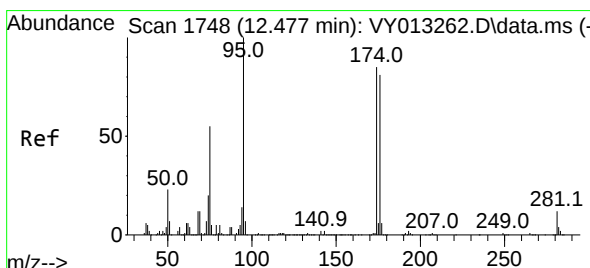
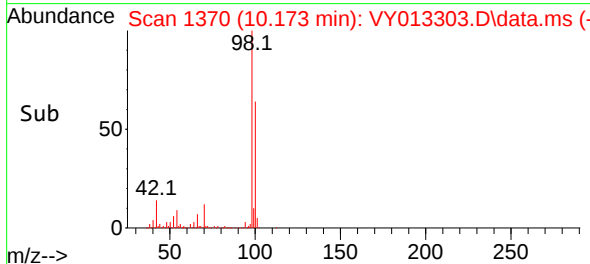
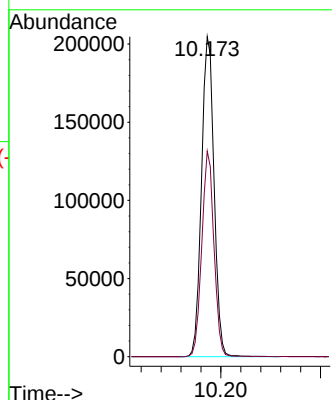
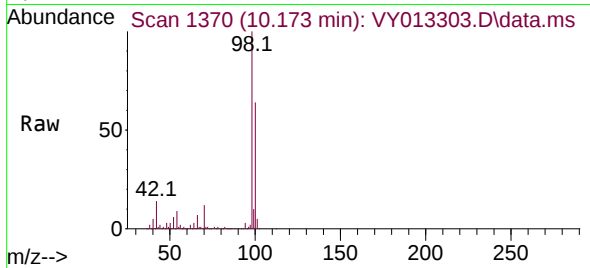




#50
Toluene-d8
Concen: 51.715 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013303.D
Acq: 13 Apr 2023 18:03

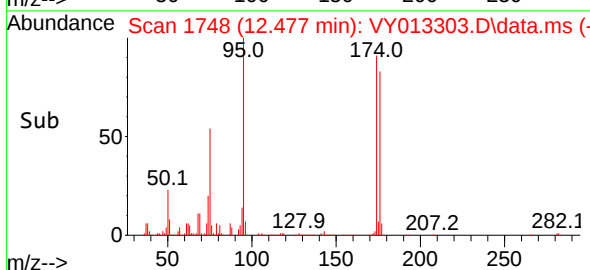
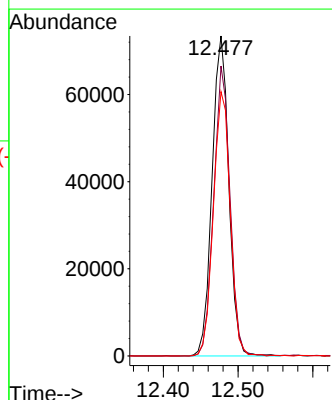
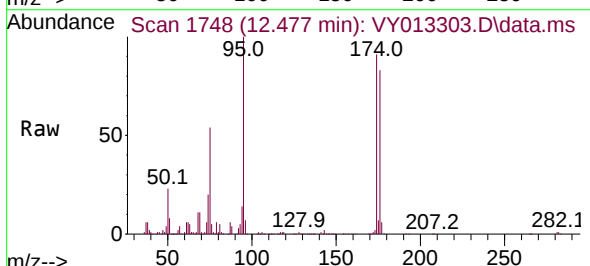
Instrument :
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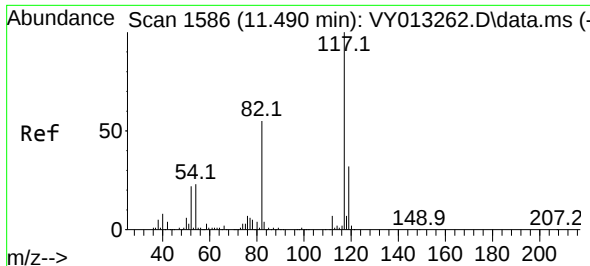
Tgt Ion: 98 Resp: 357113
Ion Ratio Lower Upper
98 100
100 62.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 50.939 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013303.D
Acq: 13 Apr 2023 18:03

Tgt Ion: 95 Resp: 114290
Ion Ratio Lower Upper
95 100
174 88.4 0.0 176.6
176 83.3 0.0 170.2

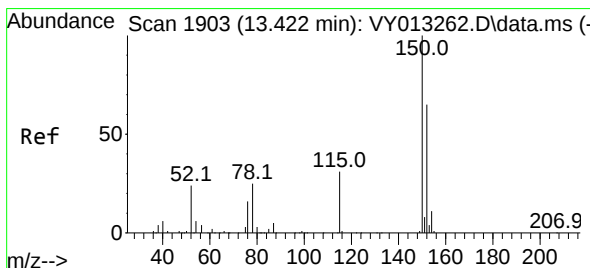
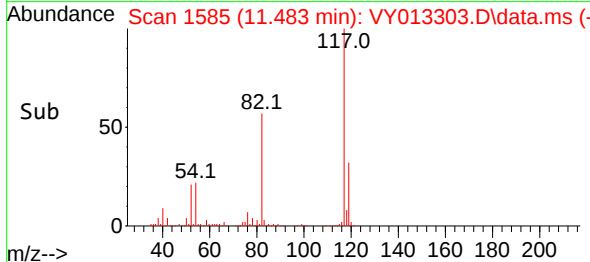
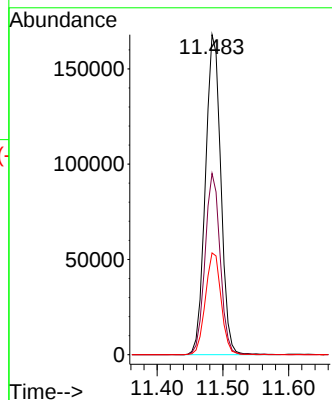
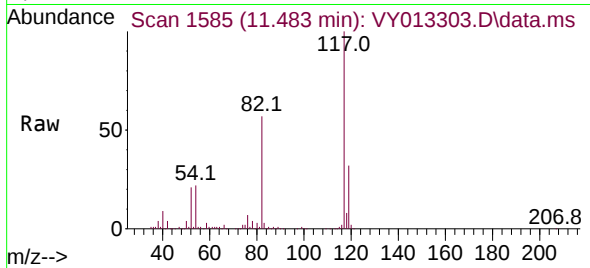




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013303.D
Acq: 13 Apr 2023 18:03

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-11

Tgt Ion:117 Resp: 273523
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.0
119 31.8 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: VY013303.D
Acq: 13 Apr 2023 18:03

Tgt Ion:152 Resp: 129396
Ion Ratio Lower Upper
152 100
115 57.2 27.1 81.3
150 159.2 0.0 347.8

