

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013610.D
 Acq On : 04 May 2023 19:10
 Operator : KP/MD
 Sample : 02588-15
 Misc : 5.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PILE-B-UNK-05022023

Quant Time: May 05 01:01:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	210808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	352882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	343447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158083	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	149649	64.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.520%
35) Dibromofluoromethane	7.710	113	118987	53.611	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.220%
50) Toluene-d8	10.179	98	428880	54.319	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.640%
62) 4-Bromofluorobenzene	12.477	95	139370	52.360	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.720%

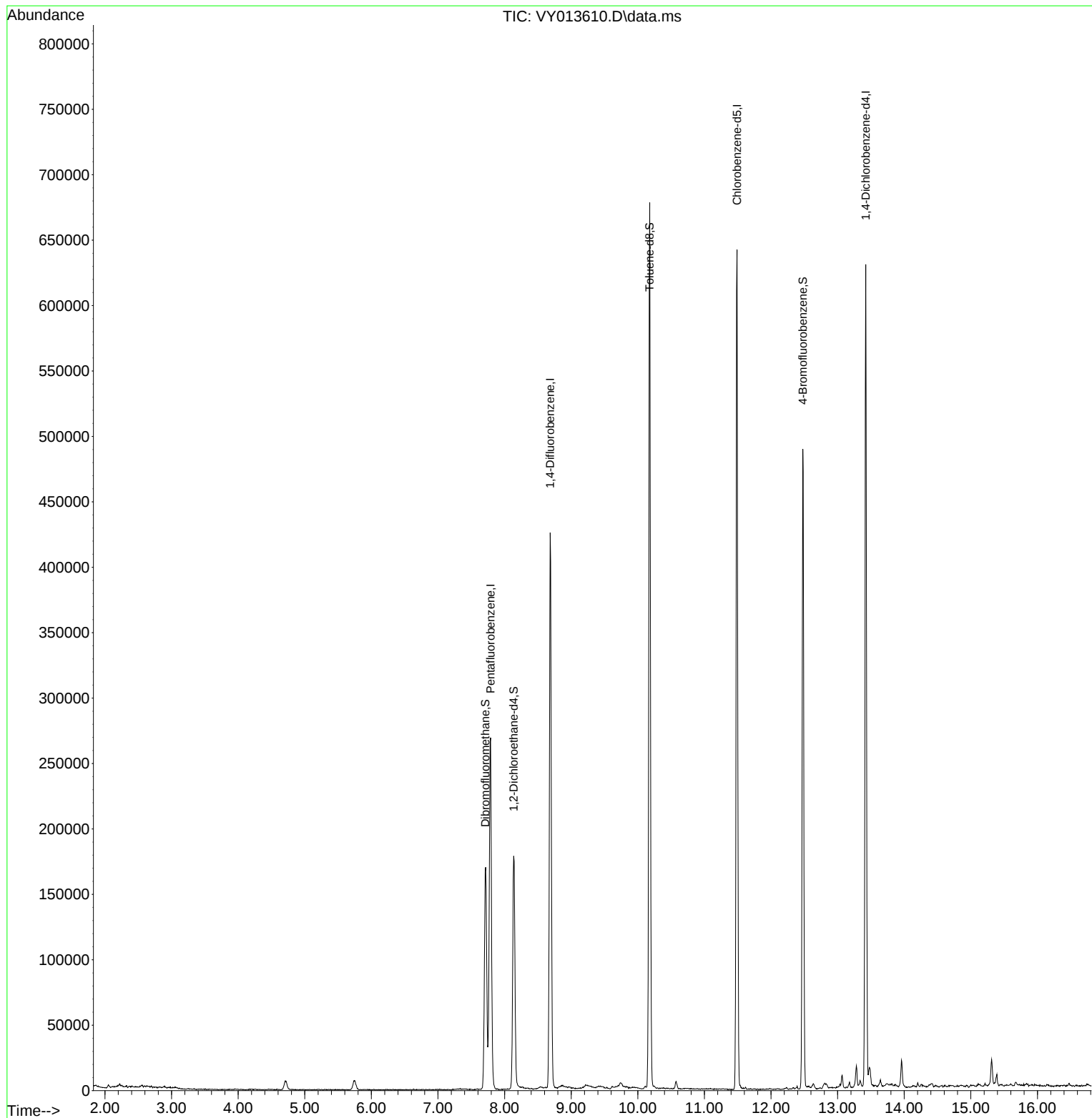
Target Compounds	Qvalue

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

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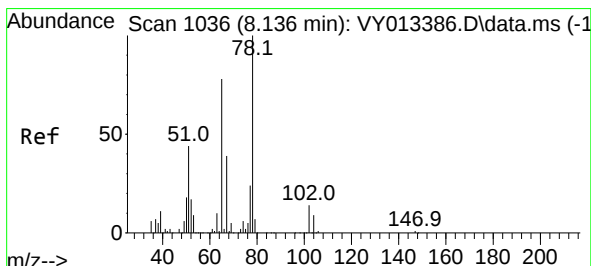
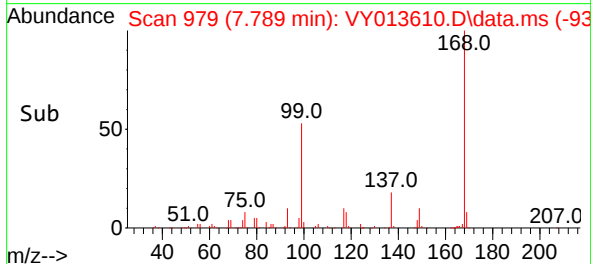
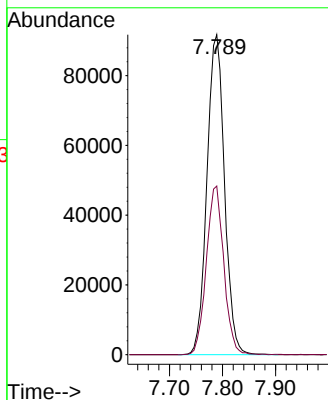
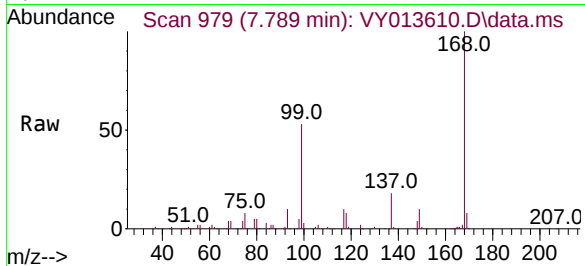




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013610.D
Acq: 04 May 2023 19:10

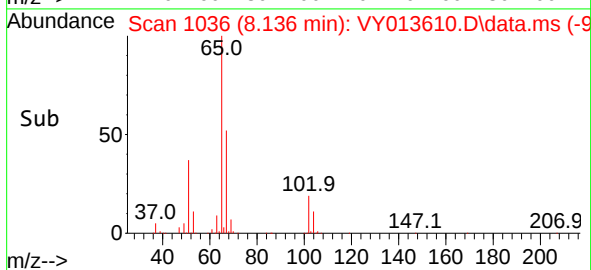
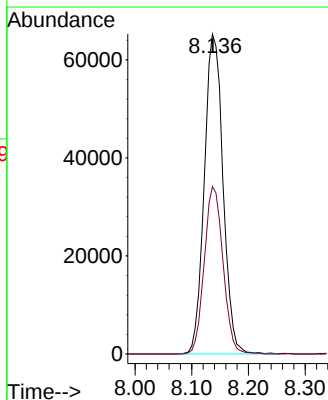
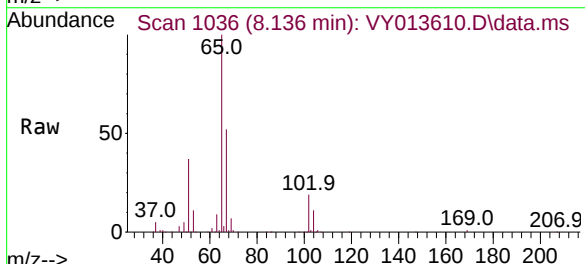
Instrument :
MSVOA_Y
ClientSampleId :
PILE-B-UNK-05022023

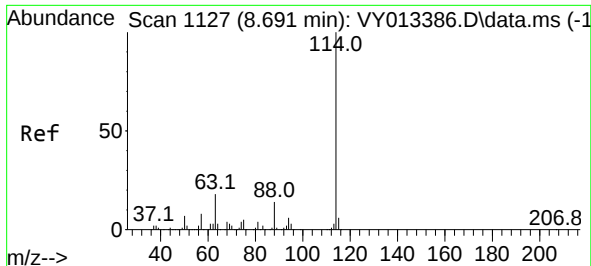
Tgt Ion:168 Resp: 210808
Ion Ratio Lower Upper
168 100
99 52.7 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 64.757 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013610.D
Acq: 04 May 2023 19:10

Tgt Ion: 65 Resp: 149649
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4

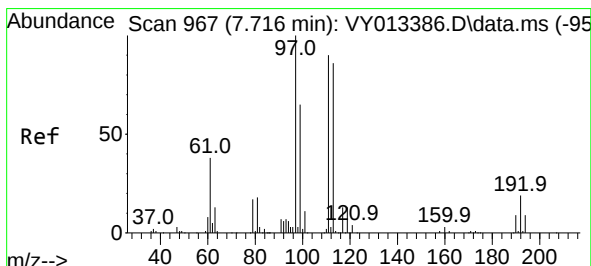
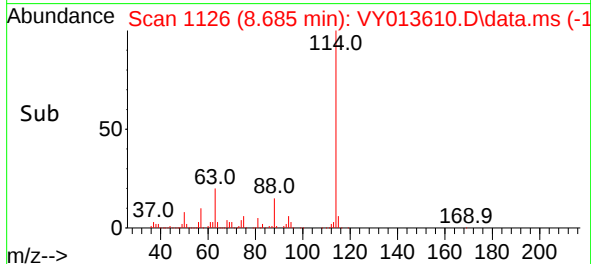
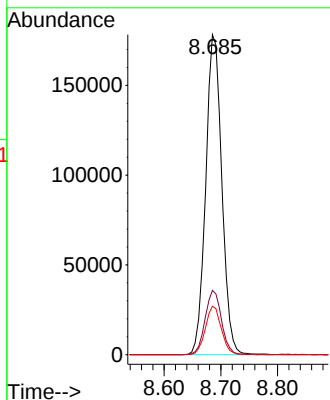
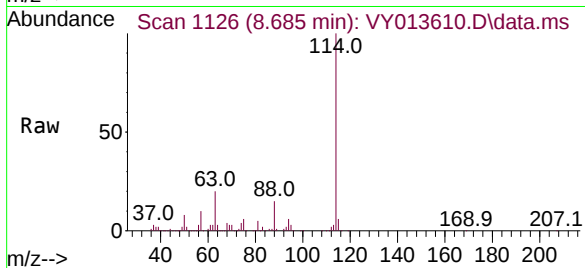




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013610.D
Acq: 04 May 2023 19:10

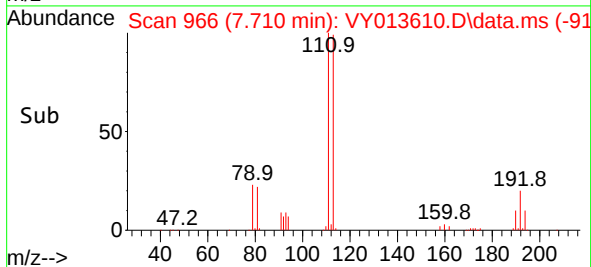
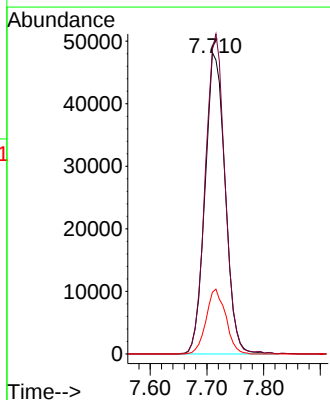
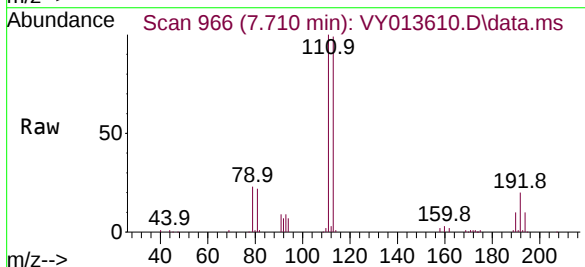
Instrument :
MSVOA_Y
ClientSampleId :
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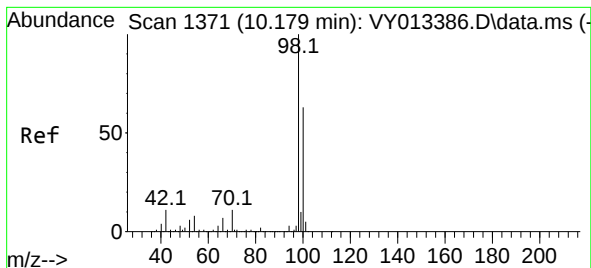
Tgt Ion:	114	Resp:	352882
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	36.6
88	15.1	0.0	28.8



#35
Dibromofluoromethane
Concen: 53.611 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013610.D
Acq: 04 May 2023 19:10

Tgt Ion:	113	Resp:	118987
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.2
192	20.8	16.7	25.1





#50

Toluene-d8

Concen: 54.319 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013610.D

Acq: 04 May 2023 19:10

Instrument :

MSVOA_Y

ClientSampleId :

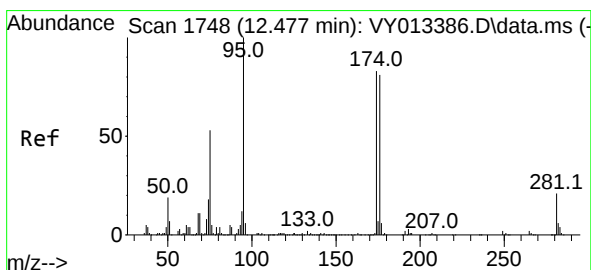
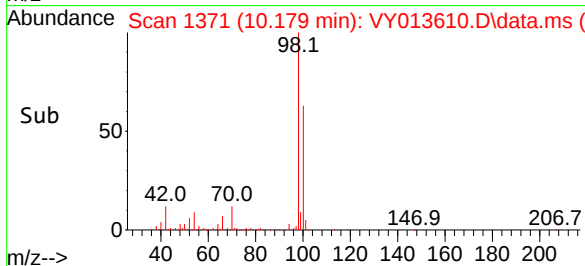
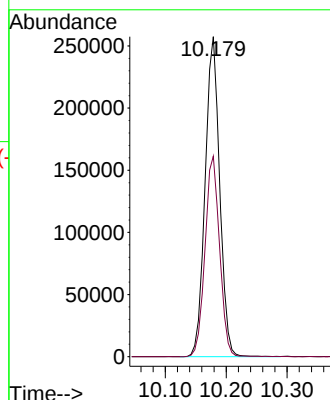
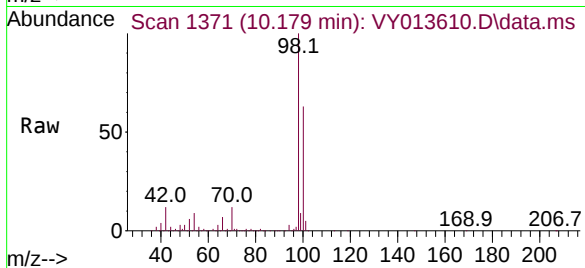
PILE-B-UNK-05022023

Tgt Ion: 98 Resp: 428880

Ion Ratio Lower Upper

98 100

100 62.7 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 52.360 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013610.D

Acq: 04 May 2023 19:10

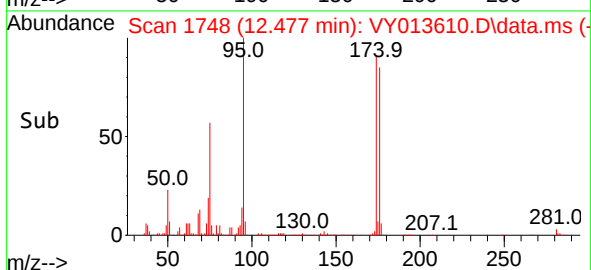
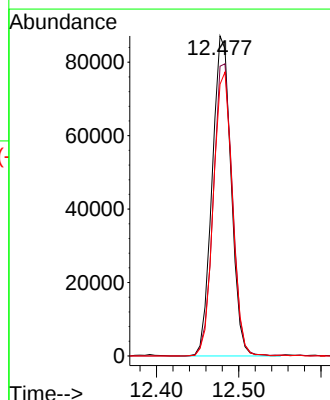
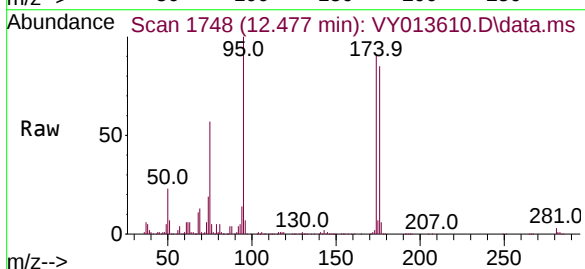
Tgt Ion: 95 Resp: 139370

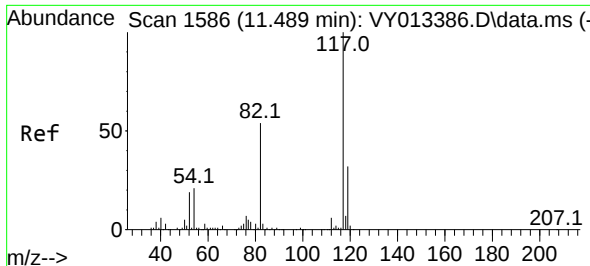
Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.0

176 89.0 0.0 175.4

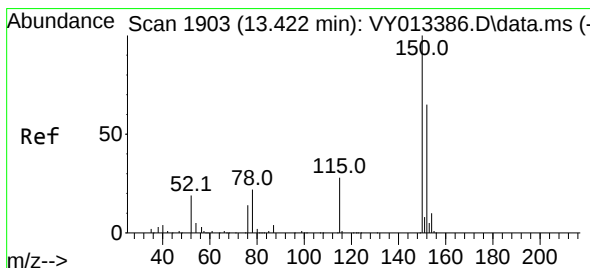
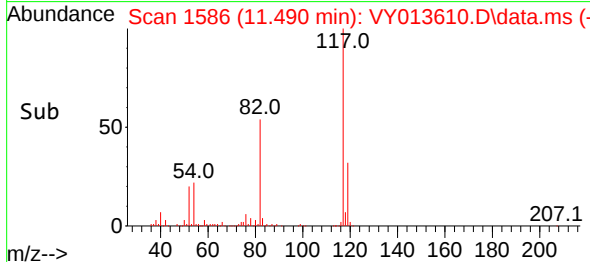
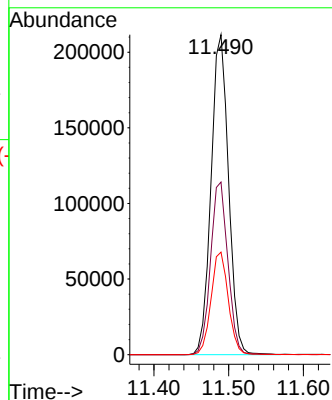
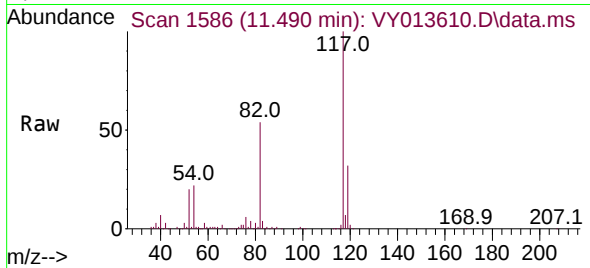




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013610.D
Acq: 04 May 2023 19:10

Instrument :
MSVOA_Y
ClientSampleId :
PILE-B-UNK-05022023

Tgt Ion:117 Resp: 343447
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.6
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013610.D
Acq: 04 May 2023 19:10

Tgt Ion:152 Resp: 158083
Ion Ratio Lower Upper
152 100
115 57.3 28.1 84.2
150 158.8 0.0 352.0

