

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014467.D
 Acq On : 27 Jun 2023 18:43
 Operator : KP/MD
 Sample : 03428-03
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-APM-0621-2

Quant Time: Jun 28 02:28:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	35872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	49027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	42210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	19001	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	20790	46.679	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.360%
35) Dibromofluoromethane	7.722	113	15178	50.109	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.220%
50) Toluene-d8	10.179	98	56436	46.871	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.740%
62) 4-Bromofluorobenzene	12.483	95	15569	36.219	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.440%

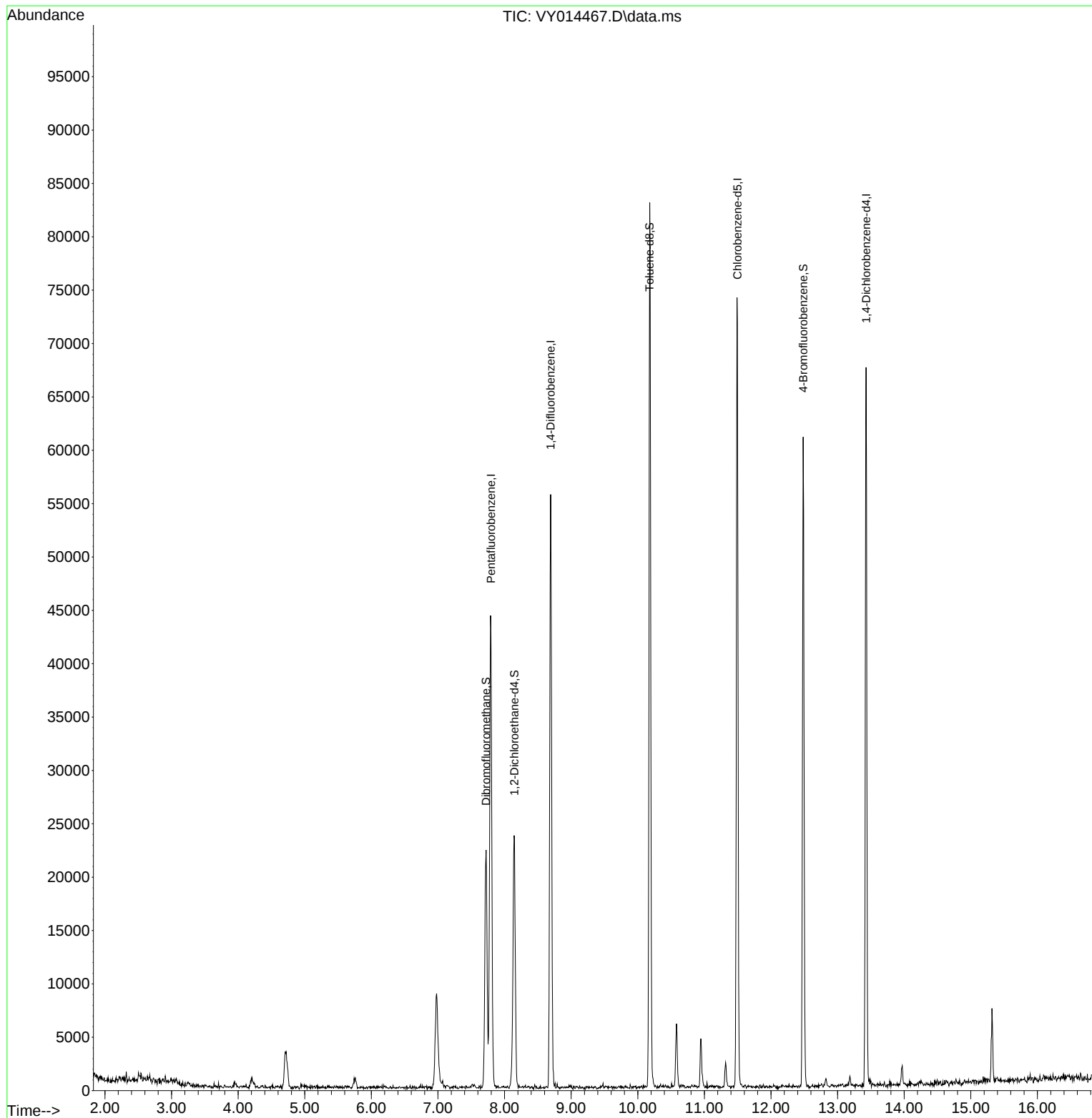
Target Compounds	Qvalue

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

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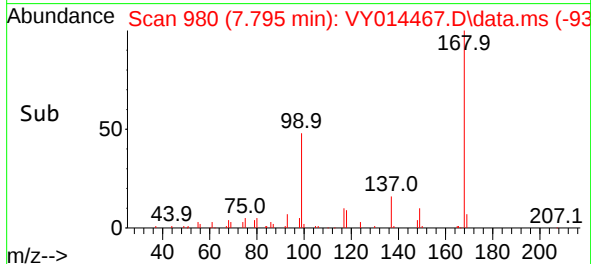
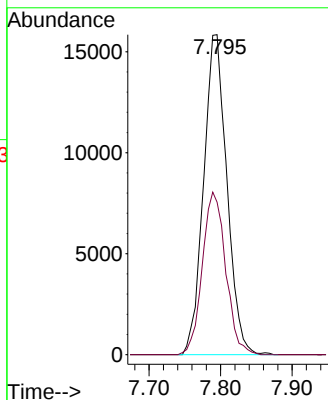
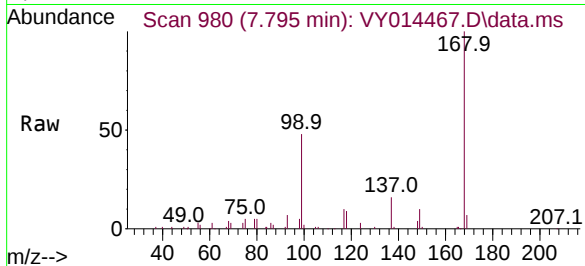




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

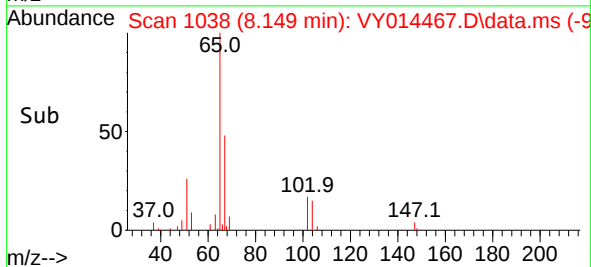
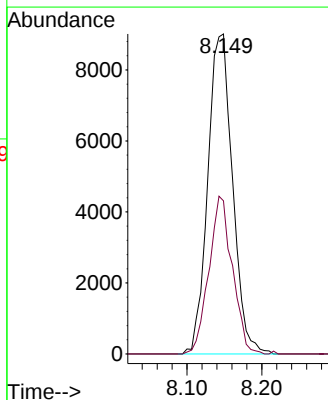
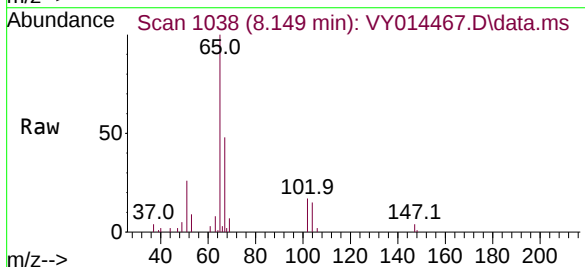
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

Tgt Ion:168 Resp: 35872
Ion Ratio Lower Upper
168 100
99 47.7 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 46.679 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion: 65 Resp: 20790
Ion Ratio Lower Upper
65 100
67 46.7 0.0 101.8

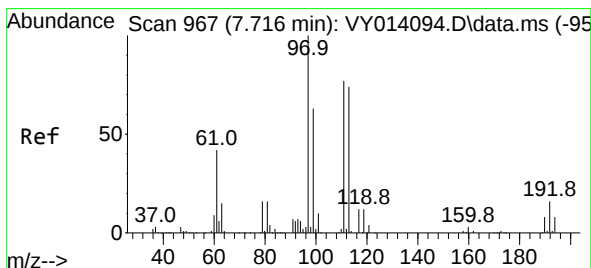
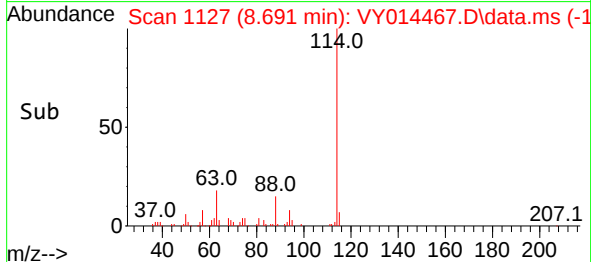
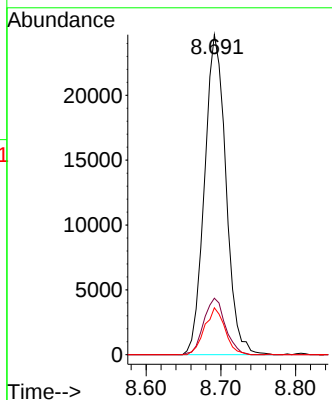
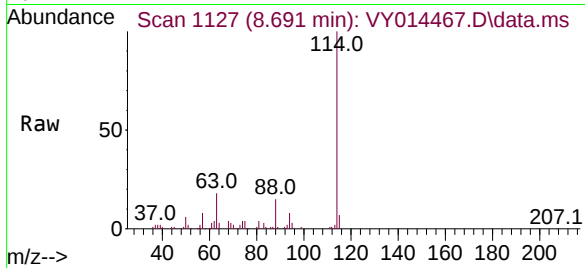




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014467.D
 Acq: 27 Jun 2023 18:43

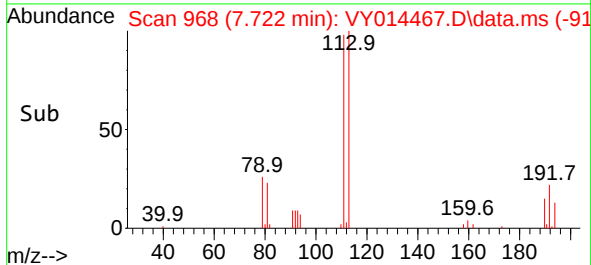
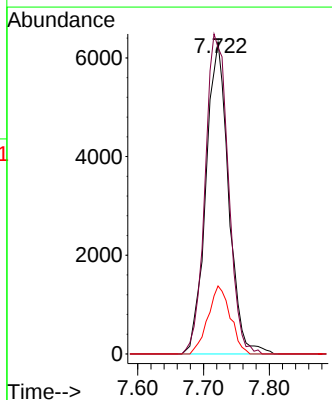
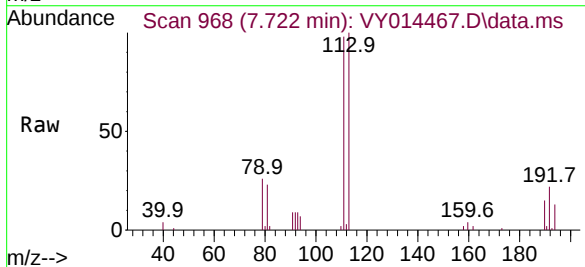
Instrument :
 MSVOA_Y
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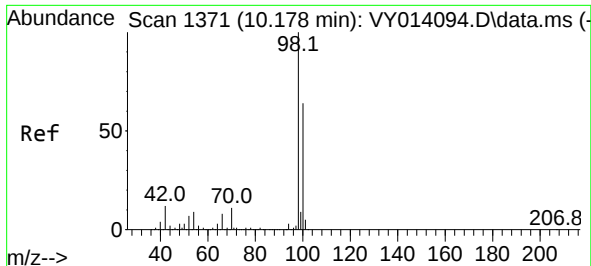
Tgt Ion:	114	Resp:	49027
Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	42.4
88	14.7	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 50.109 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY014467.D
 Acq: 27 Jun 2023 18:43

Tgt Ion:	113	Resp:	15178
Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.3	121.9
192	21.5	16.9	25.3

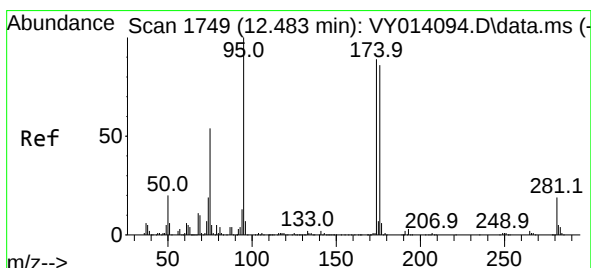
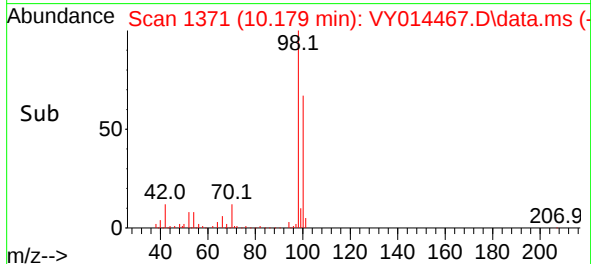
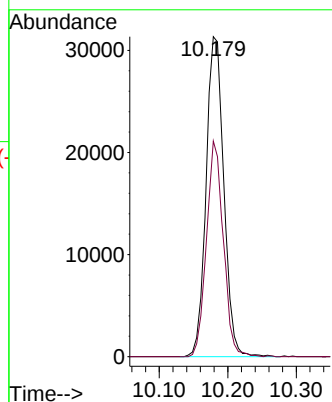
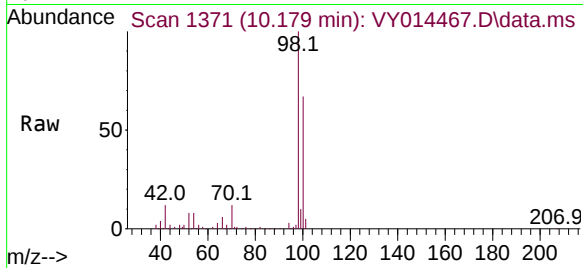




#50
Toluene-d8
Concen: 46.871 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

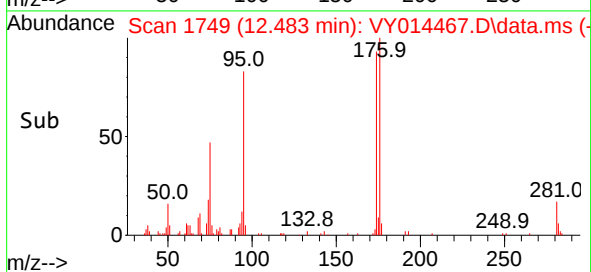
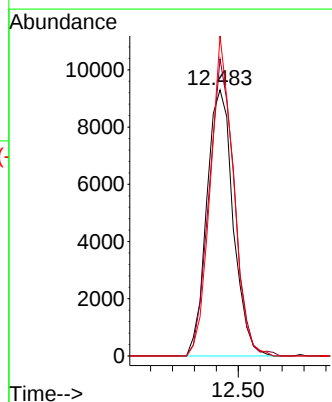
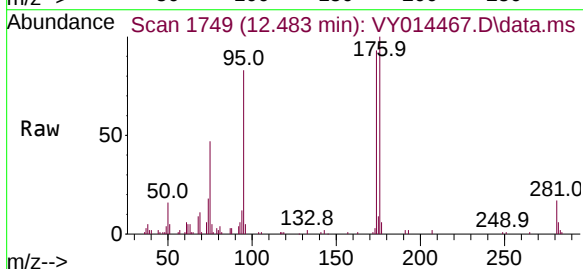
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

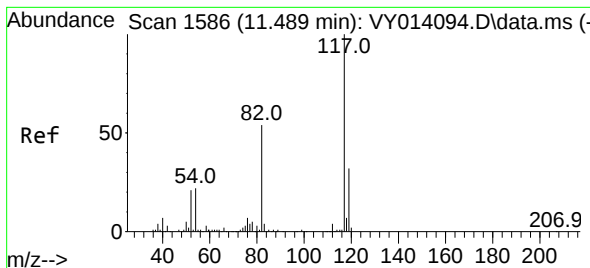
Tgt Ion: 98 Resp: 56436
Ion Ratio Lower Upper
98 100
100 64.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 36.219 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion: 95 Resp: 15569
Ion Ratio Lower Upper
95 100
174 106.4 0.0 178.2
176 104.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014467.D

Acq: 27 Jun 2023 18:43

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-APM-0621-2

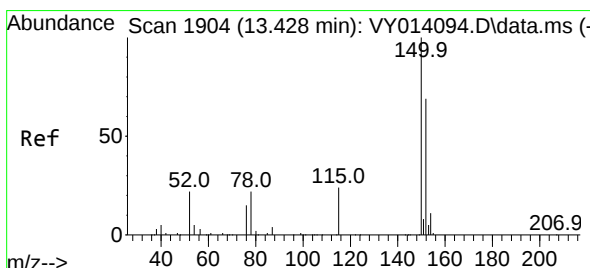
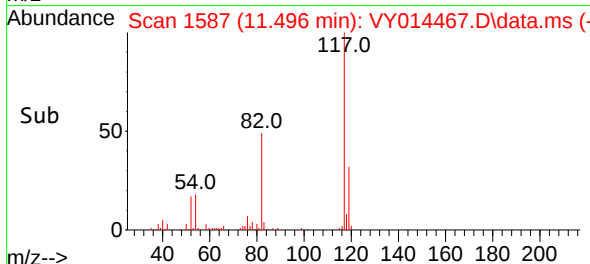
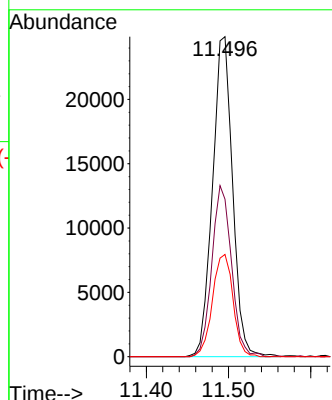
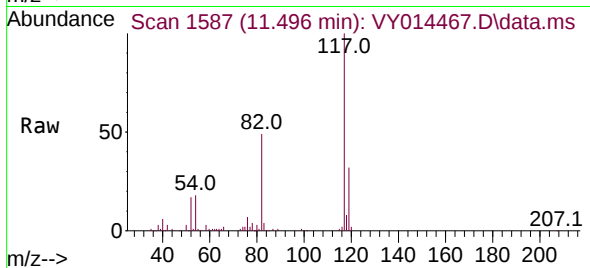
Tgt Ion:117 Resp: 42210

Ion Ratio Lower Upper

117 100

82 49.2 43.4 65.0

119 32.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014467.D

Acq: 27 Jun 2023 18:43

Tgt Ion:152 Resp: 19001

Ion Ratio Lower Upper

152 100

115 53.8 28.8 86.5

150 155.8 0.0 348.8

