

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013661.D
 Acq On : 09 May 2023 12:27
 Operator : KP/MD
 Sample : 02680-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-050823

Quant Time: May 10 05:35:22 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	22146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	36937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	36190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	13577	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	18961	78.103	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	156.200%
35) Dibromofluoromethane	7.722	113	14526	62.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	125.060%
50) Toluene-d8	10.179	98	43382	52.492	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.980%
62) 4-Bromofluorobenzene	12.483	95	12764	45.812	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.620%

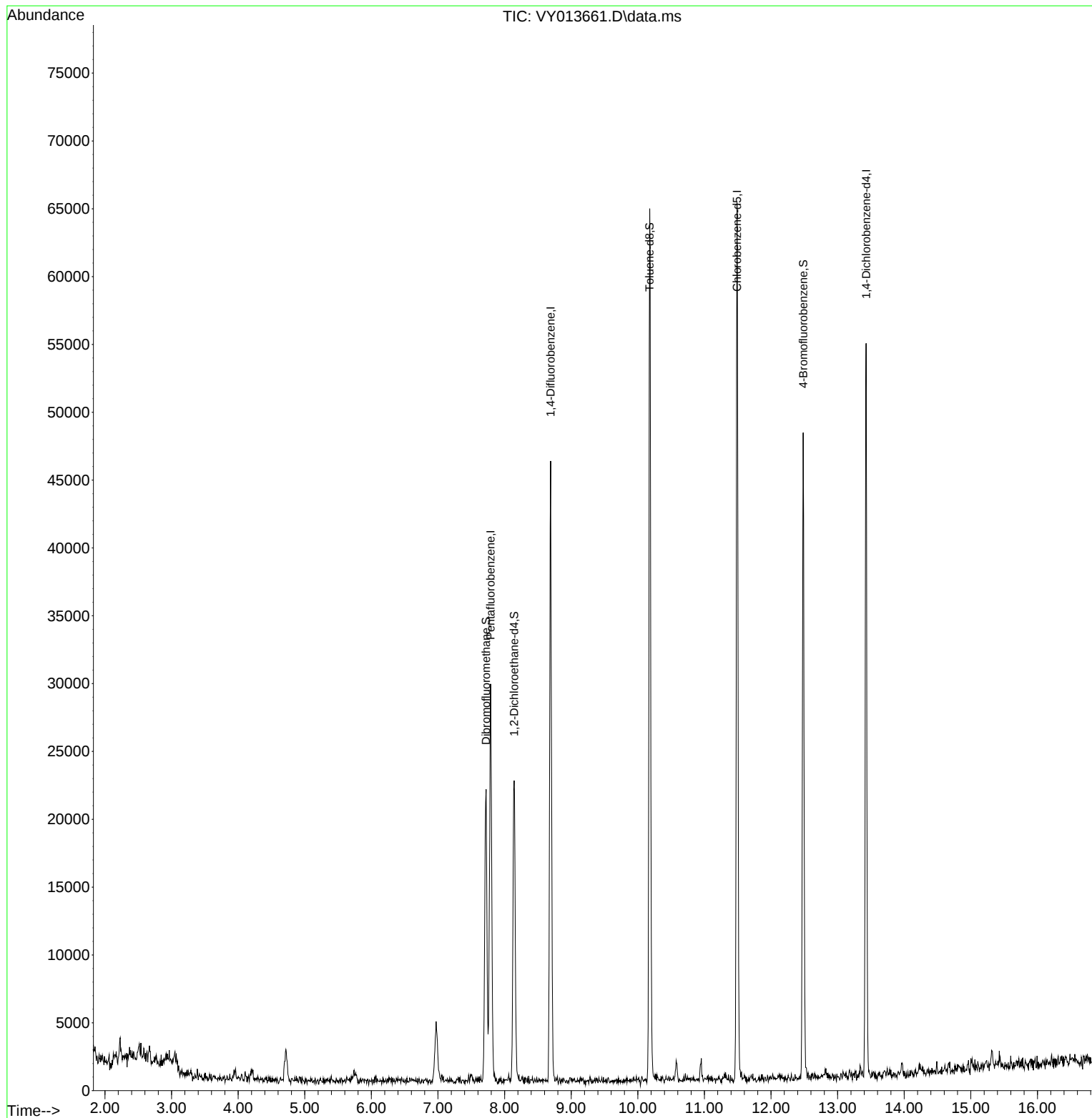
Target Compounds	Qvalue

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

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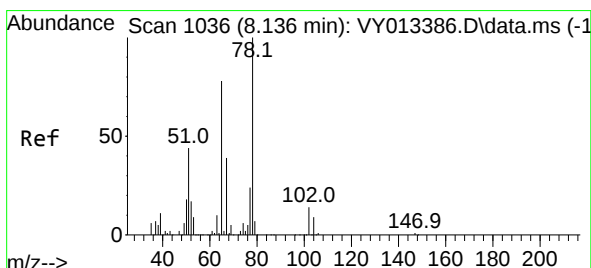
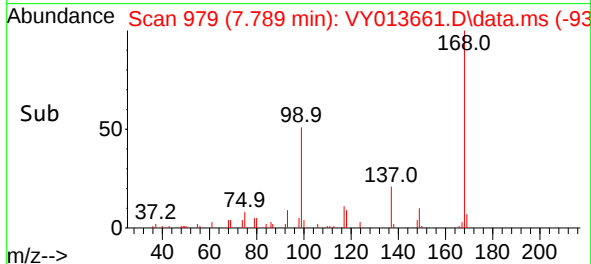
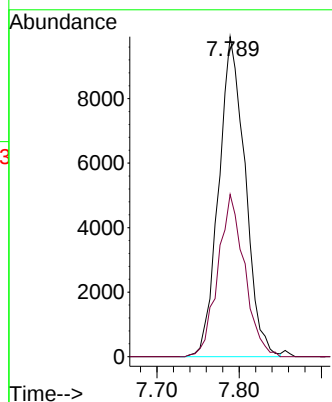
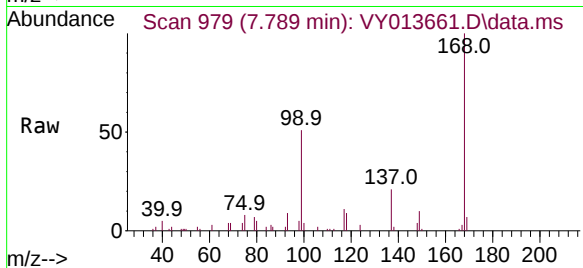




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

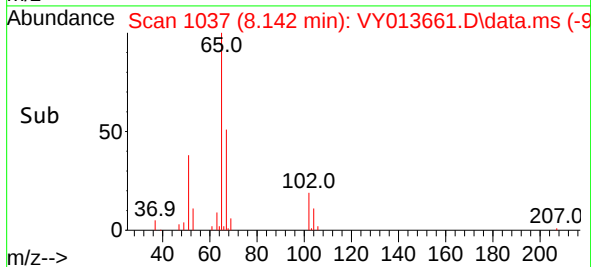
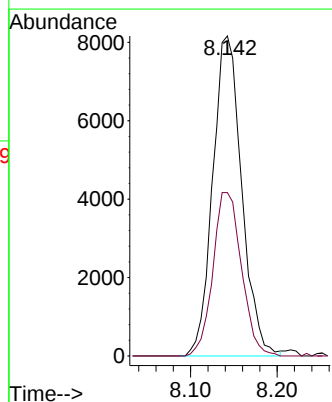
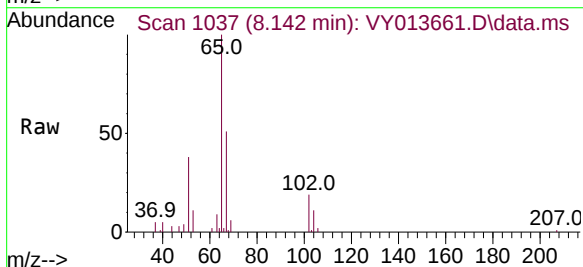
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-050823

Tgt Ion:168 Resp: 22146
Ion Ratio Lower Upper
168 100
99 50.7 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 78.103 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013661.D
Acq: 09 May 2023 12:27

Tgt Ion: 65 Resp: 18961
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-050823

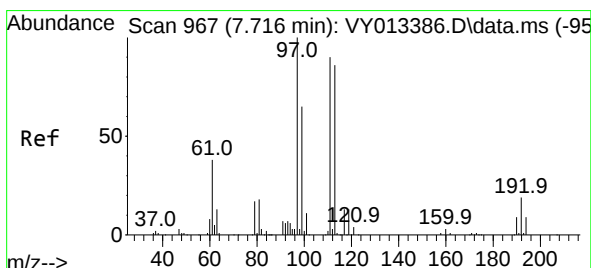
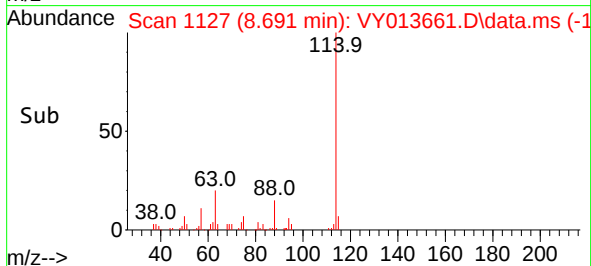
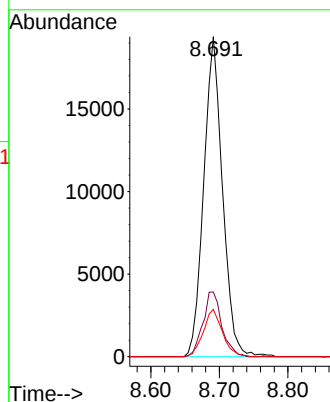
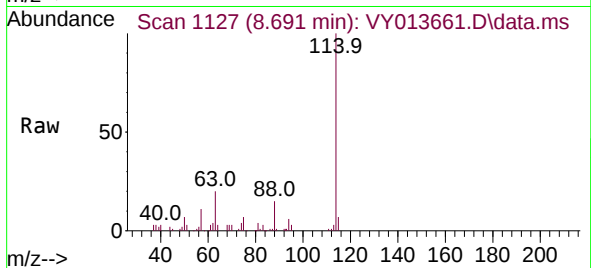
Tgt Ion:114 Resp: 36937

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.6

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 62.527 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

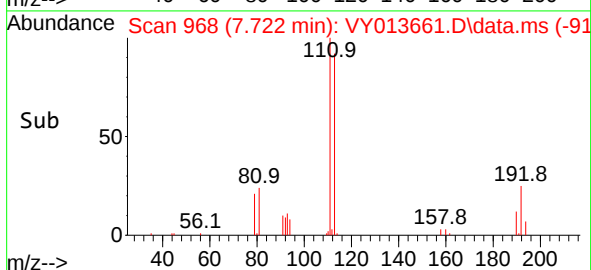
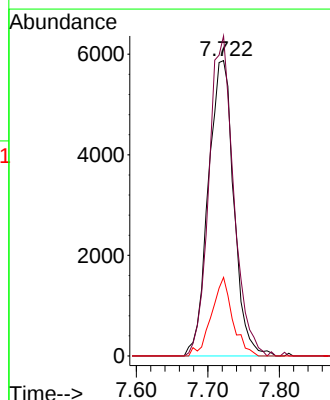
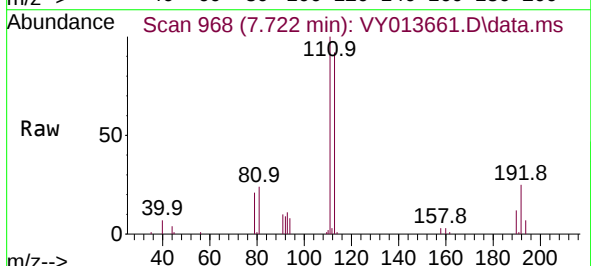
Tgt Ion:113 Resp: 14526

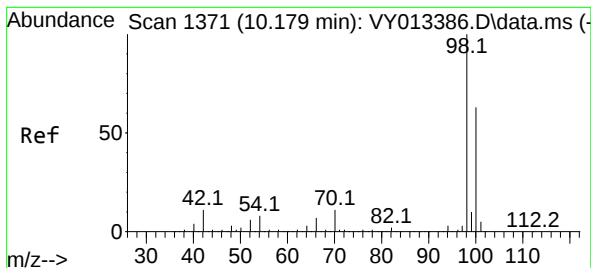
Ion Ratio Lower Upper

113 100

111 105.3 82.2 123.2

192 22.1 16.7 25.1





#50

Toluene-d8

Concen: 52.492 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

Instrument :

MSVOA_Y

ClientSampleId :

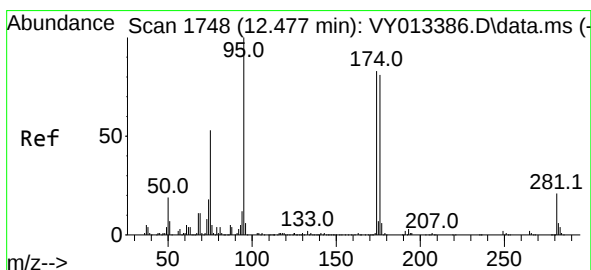
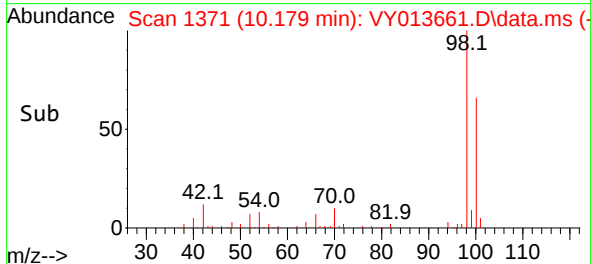
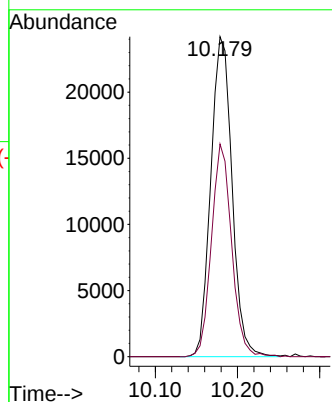
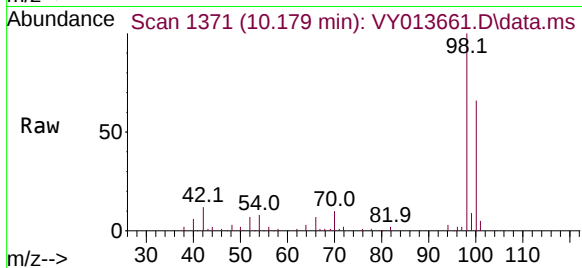
SU-02-050823

Tgt Ion: 98 Resp: 43382

Ion Ratio Lower Upper

98 100

100 63.3 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 45.812 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

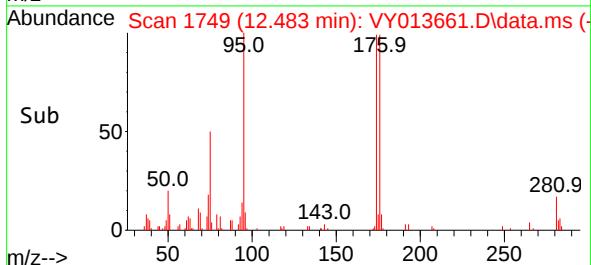
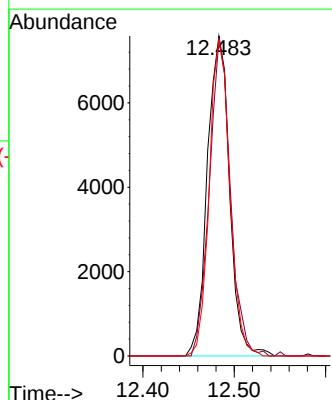
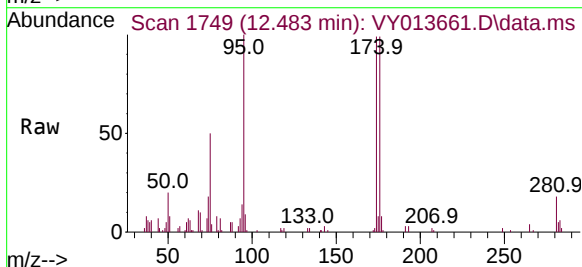
Tgt Ion: 95 Resp: 12764

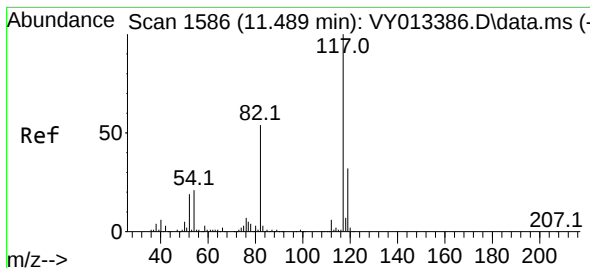
Ion Ratio Lower Upper

95 100

174 94.2 0.0 182.0

176 91.9 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

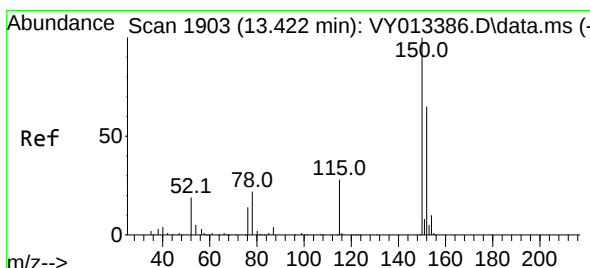
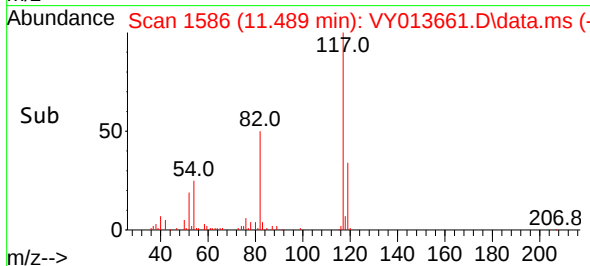
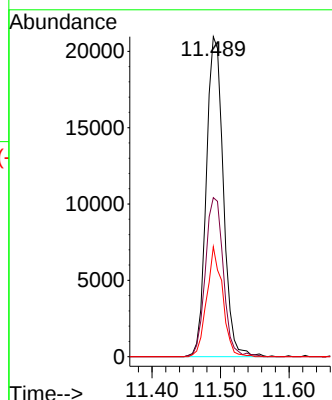
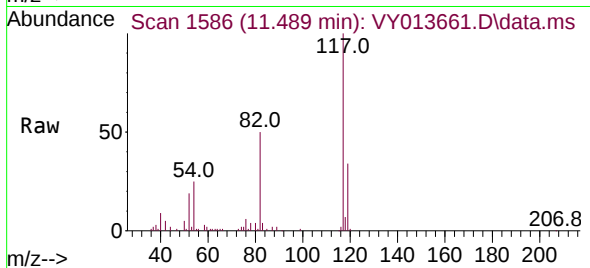
Instrument :

MSVOA_Y

ClientSampleId :

SU-02-050823

Tgt Ion:	117	Resp:	36190
Ion	Ratio	Lower	Upper
117	100		
82	49.7	43.0	64.6
119	34.4	25.5	38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013661.D

Acq: 09 May 2023 12:27

Tgt Ion:	152	Resp:	13577
Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.1	84.2
150	165.2	0.0	352.0

