

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021366.D
 Acq On : 27 Feb 2025 18:19
 Operator : SY/MD
 Sample : Q1448-01
 Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PSP1

Quant Time: Feb 28 00:44:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	12088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	15555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	8208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1197	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4321	31.511	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	63.020%
35) Dibromofluoromethane	7.628	113	5243	51.412	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.820%
50) Toluene-d8	10.109	98	16312	41.388	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.780%
62) 4-Bromofluorobenzene	12.402	95	2148	16.194	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	32.380%

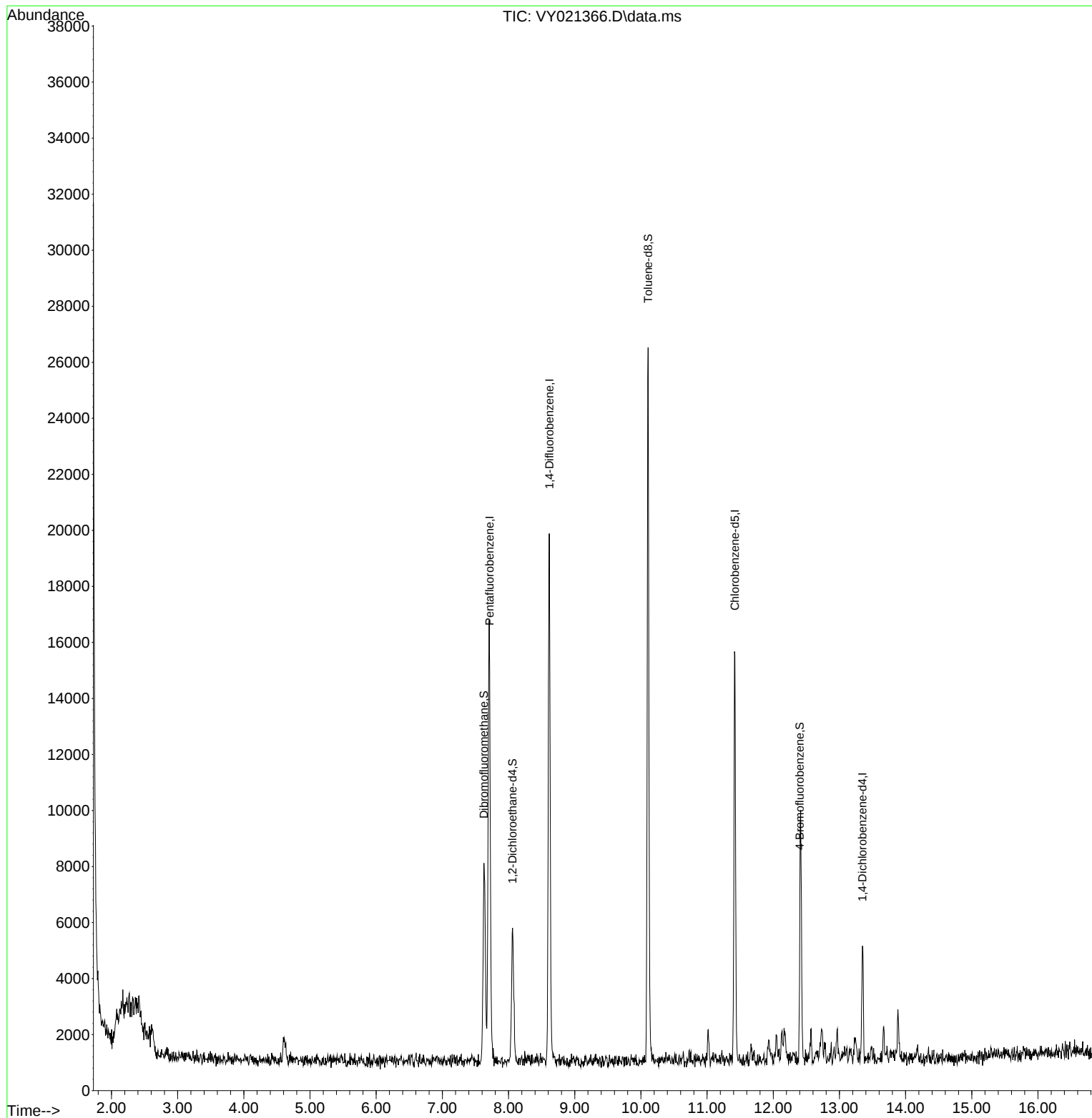
Target Compounds	Qvalue

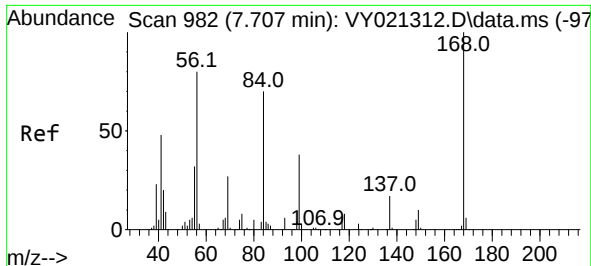
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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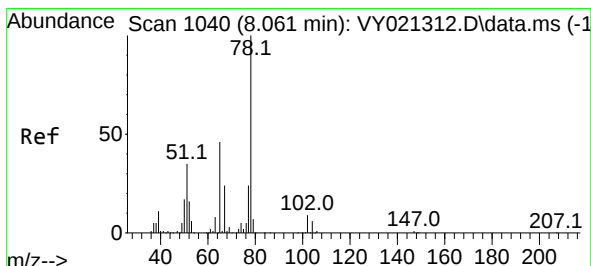
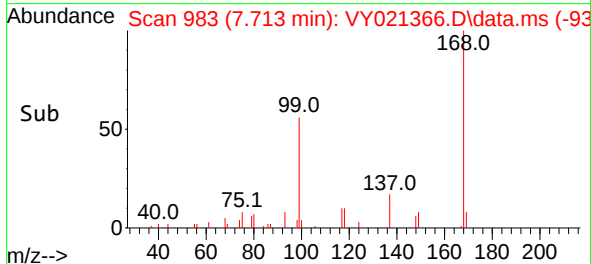
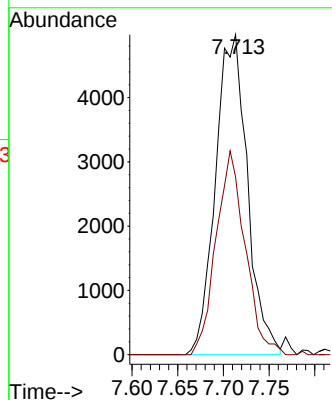
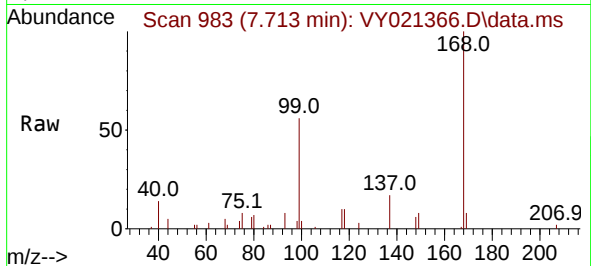




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

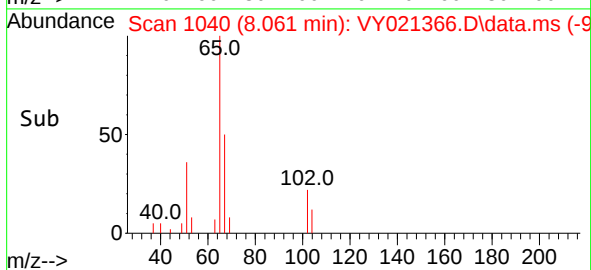
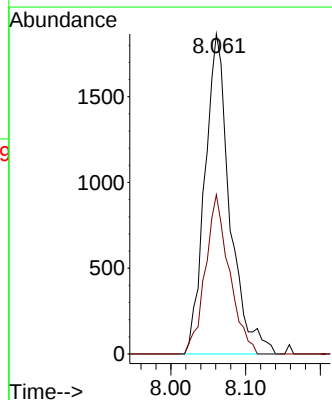
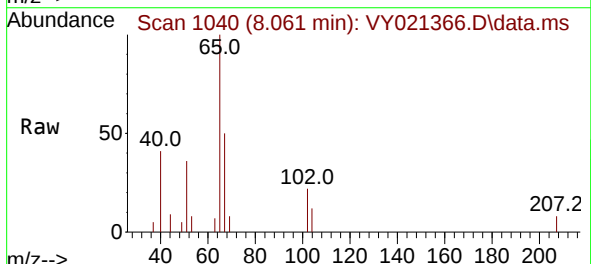
Instrument :
MSVOA_Y
ClientSampleId :
PSP1

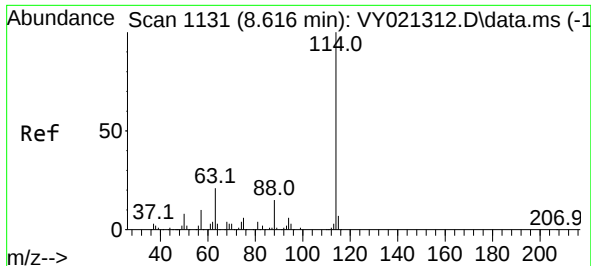
Tgt Ion:168 Resp: 12088
Ion Ratio Lower Upper
168 100
99 55.5 47.1 70.7



#33
1,2-Dichloroethane-d4
Concen: 31.511 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Tgt Ion: 65 Resp: 4321
Ion Ratio Lower Upper
65 100
67 47.8 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021366.D

Acq: 27 Feb 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

PSP1

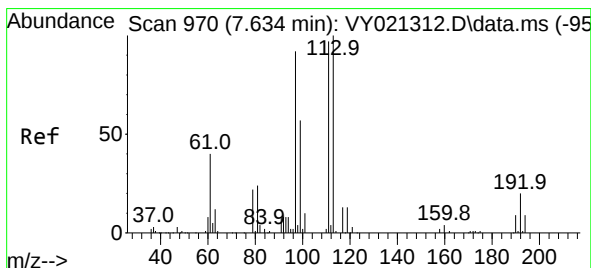
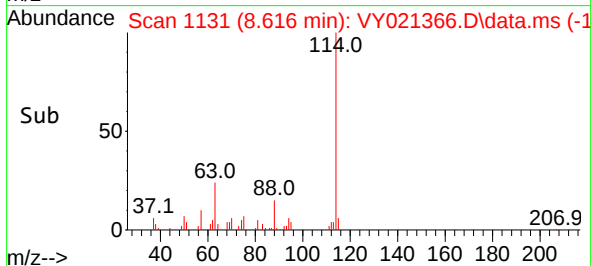
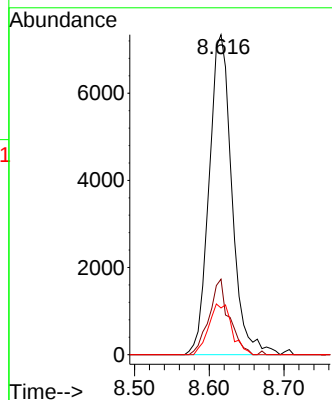
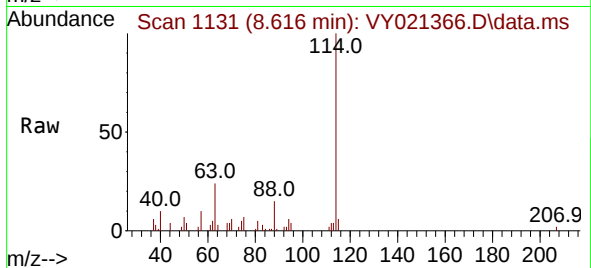
Tgt Ion:114 Resp: 15555

Ion Ratio Lower Upper

114 100

63 23.6 0.0 42.2

88 14.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.412 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY021366.D

Acq: 27 Feb 2025 18:19

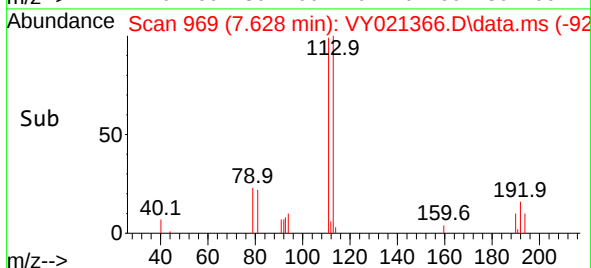
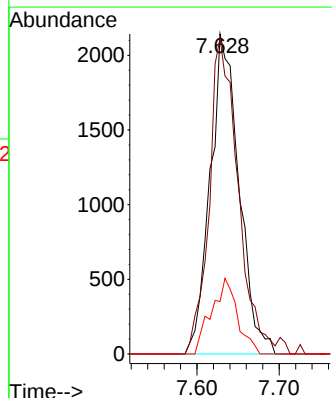
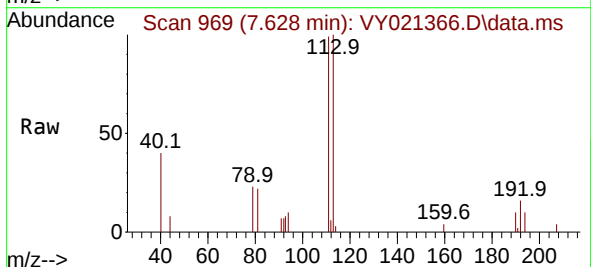
Tgt Ion:113 Resp: 5243

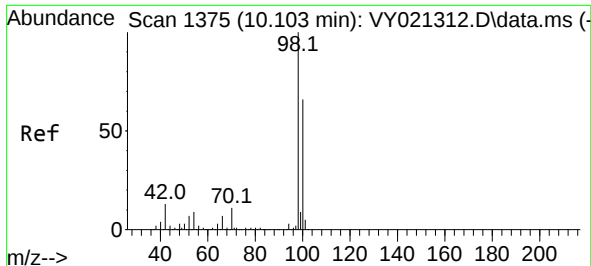
Ion Ratio Lower Upper

113 100

111 98.2 81.0 121.6

192 21.2 15.8 23.8

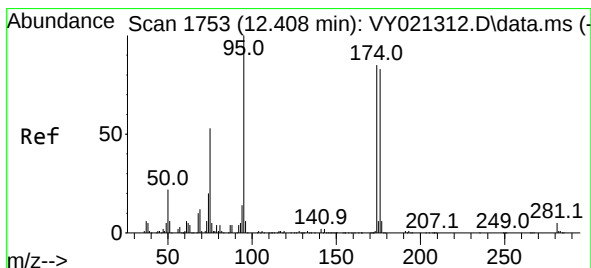
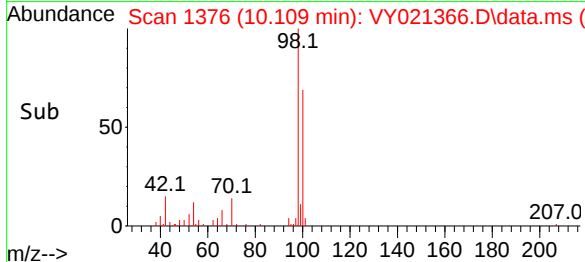
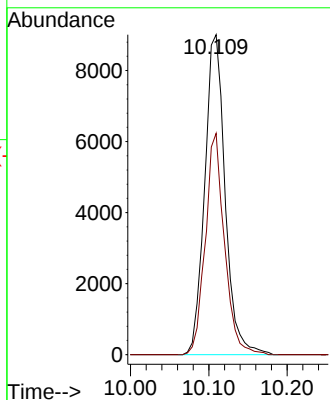
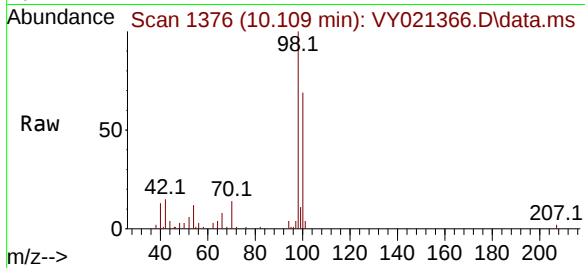




#50
Toluene-d8
Concen: 41.388 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

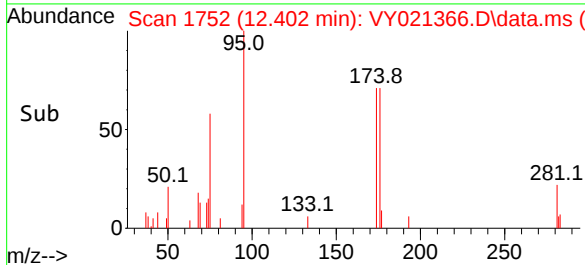
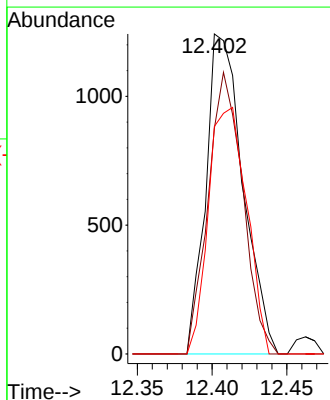
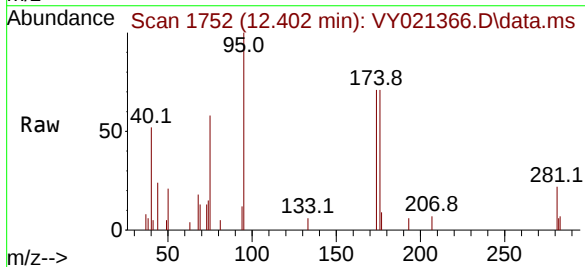
Instrument :
MSVOA_Y
ClientSampleId :
PSP1

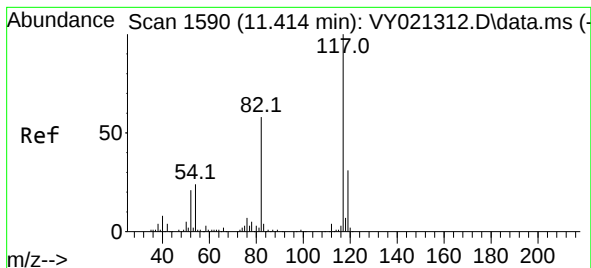
Tgt Ion: 98 Resp: 16312
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 16.194 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Tgt Ion: 95 Resp: 2148
Ion Ratio Lower Upper
95 100
174 82.1 0.0 168.0
176 79.2 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021366.D

Acq: 27 Feb 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

PSP1

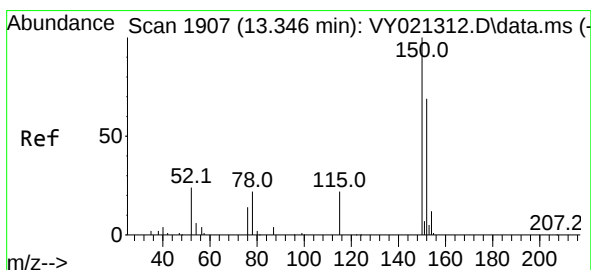
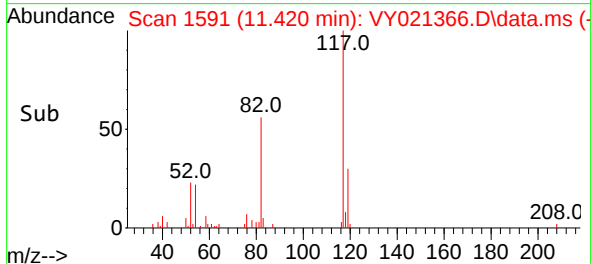
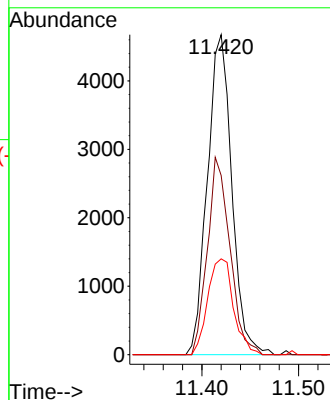
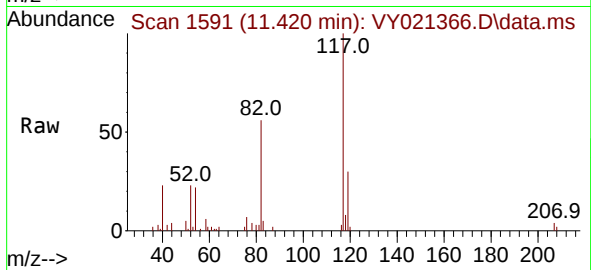
Tgt Ion:117 Resp: 8208

Ion Ratio Lower Upper

117 100

82 56.0 46.2 69.4

119 29.9 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021366.D

Acq: 27 Feb 2025 18:19

Tgt Ion:152 Resp: 1197

Ion Ratio Lower Upper

152 100

115 65.9 29.3 88.0

150 158.9 0.0 347.4

