

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
 Data File : VY018801.D
 Acq On : 12 Jul 2024 16:40
 Operator : SY/MD
 Sample : P3211-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-07102024

Quant Time: Jul 12 23:41:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	34232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	58432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	54622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	22781	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	19827	58.860	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.720%
35) Dibromofluoromethane	7.709	113	20086	54.884	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.760%
50) Toluene-d8	10.172	98	68000	49.044	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.080%
62) 4-Bromofluorobenzene	12.477	95	22807	48.167	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.340%

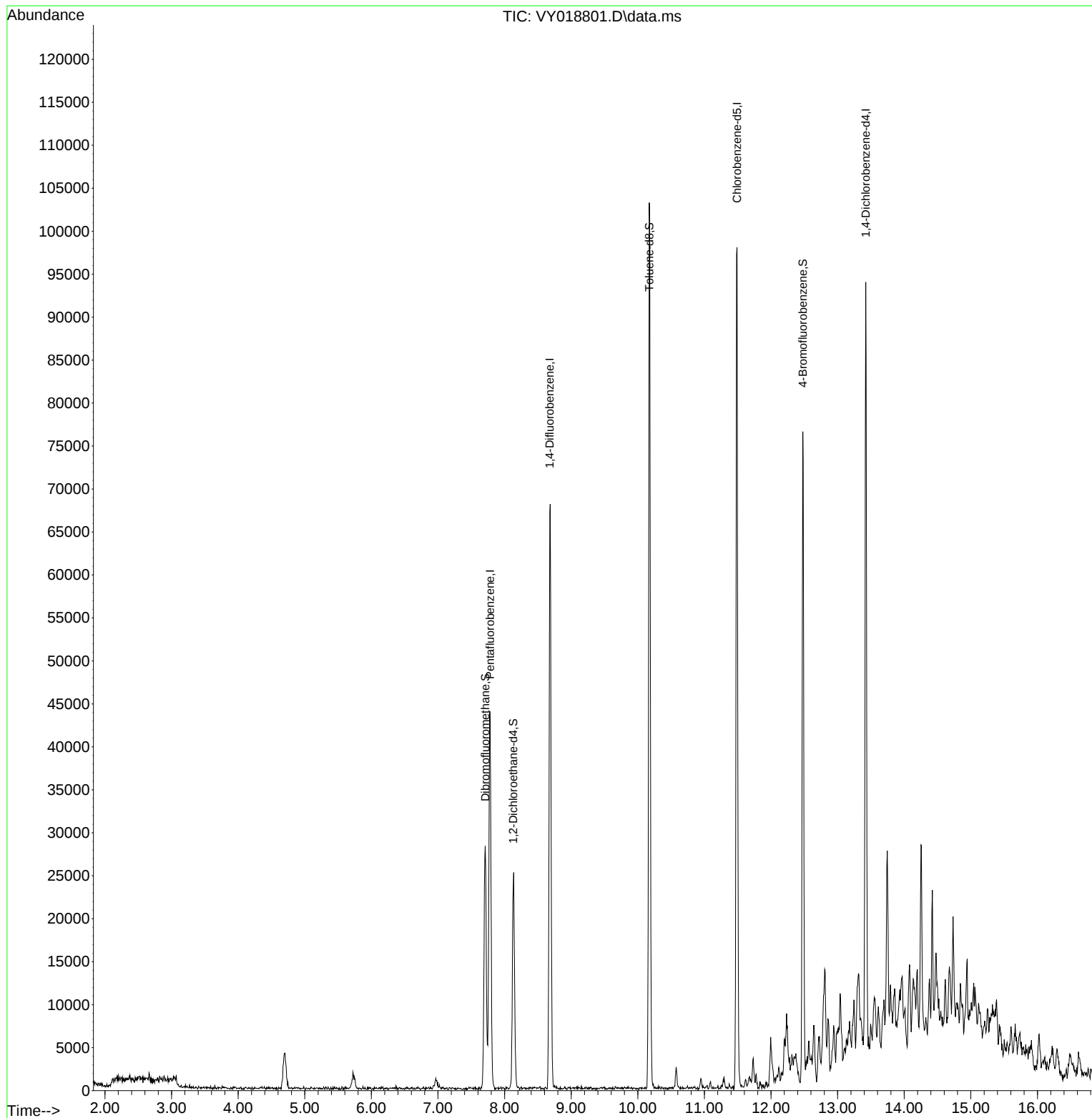
Target Compounds	Qvalue

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

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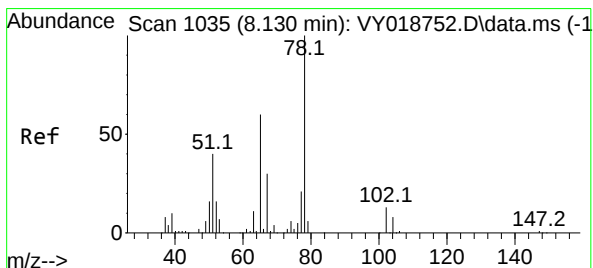
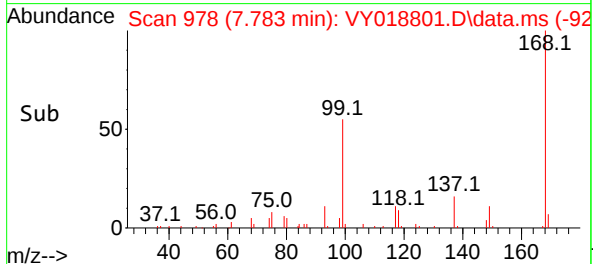
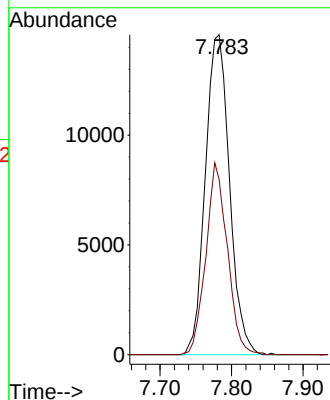
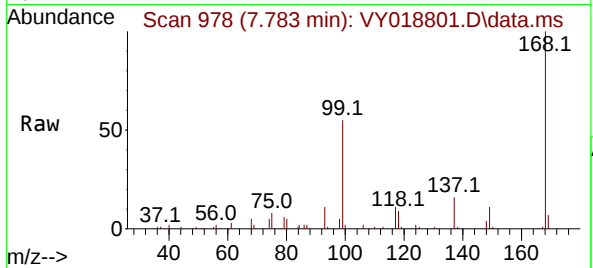




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

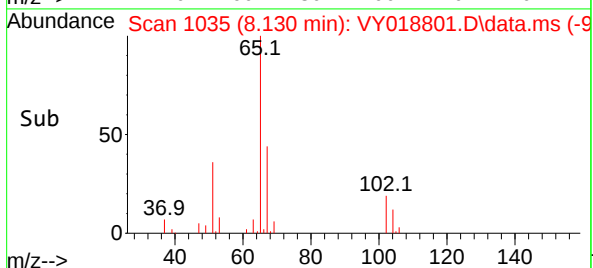
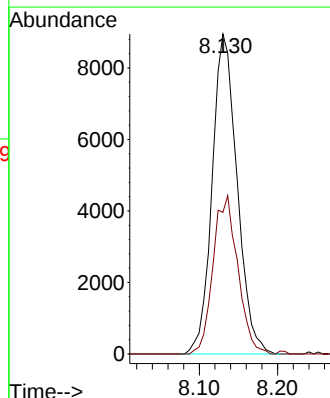
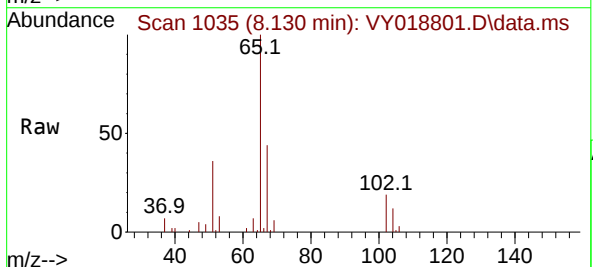
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-07102024

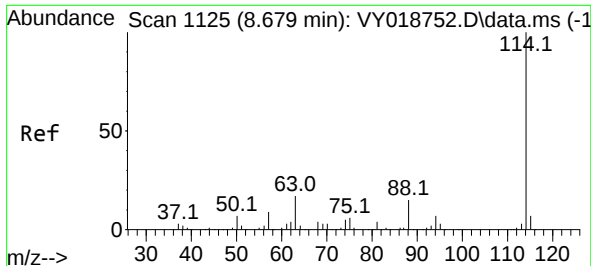
Tgt Ion:168 Resp: 34232
Ion Ratio Lower Upper
168 100
99 54.8 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 58.860 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

Tgt Ion: 65 Resp: 19827
Ion Ratio Lower Upper
65 100
67 48.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-07102024

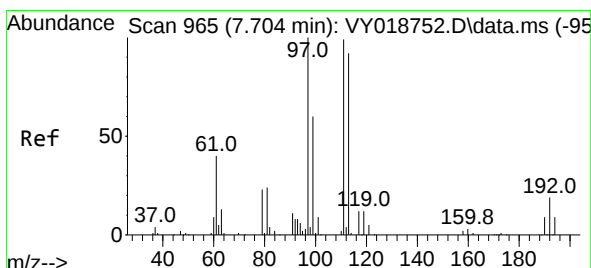
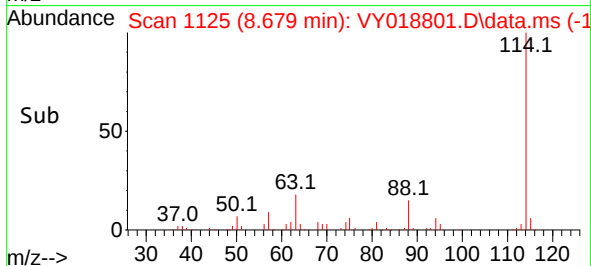
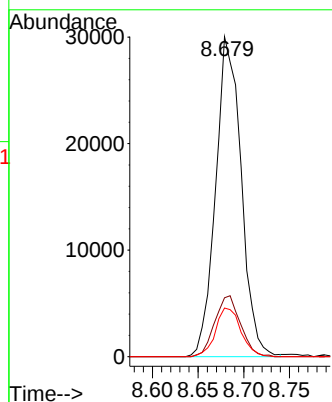
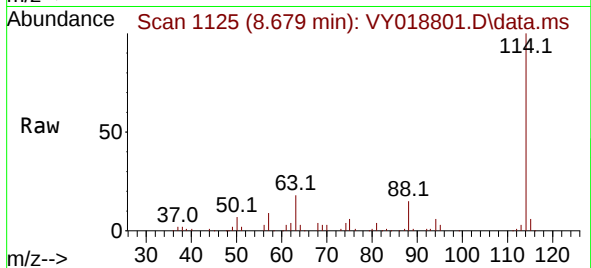
Tgt Ion:114 Resp: 58432

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

88 15.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.884 ug/l

RT: 7.709 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

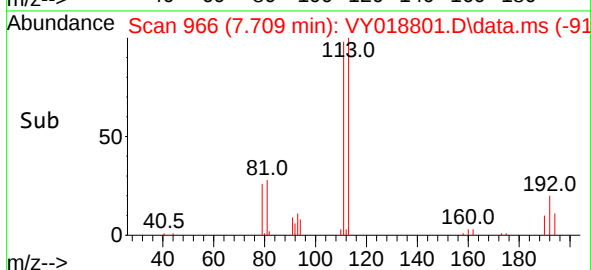
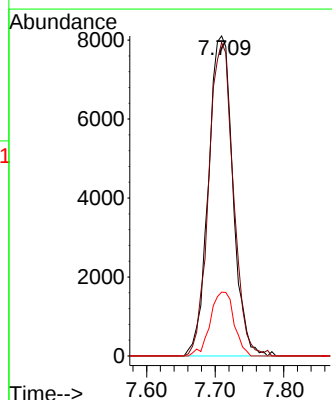
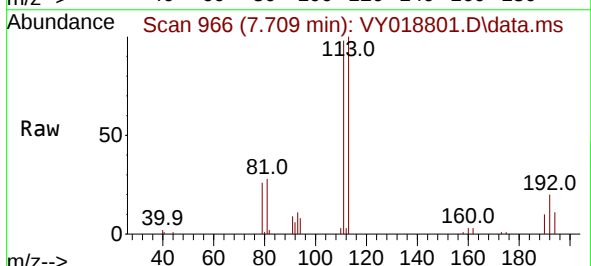
Tgt Ion:113 Resp: 20086

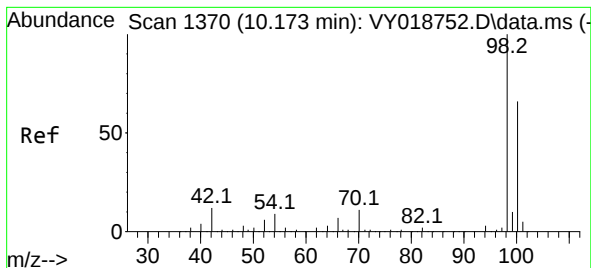
Ion Ratio Lower Upper

113 100

111 98.2 82.2 123.4

192 19.3 15.9 23.9





#50

Toluene-d8

Concen: 49.044 ug/l

RT: 10.172 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

Instrument :

MSVOA_Y

ClientSampleId :

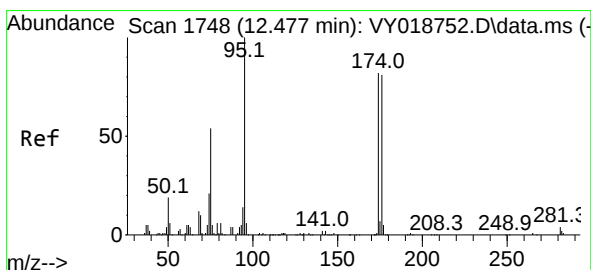
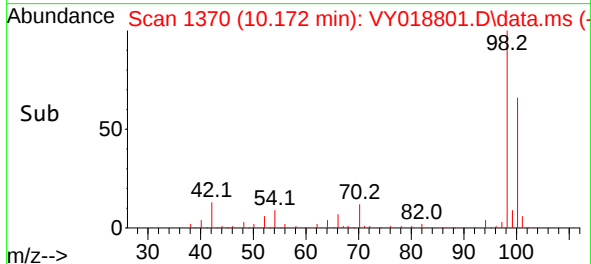
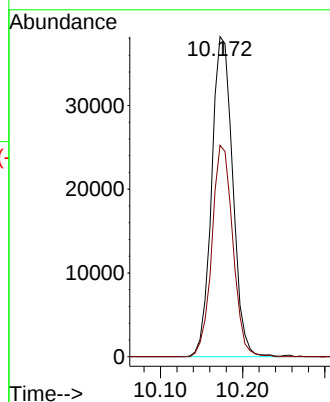
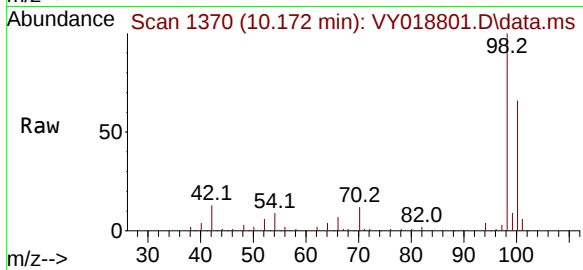
TR-05-07102024

Tgt Ion: 98 Resp: 68000

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.167 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

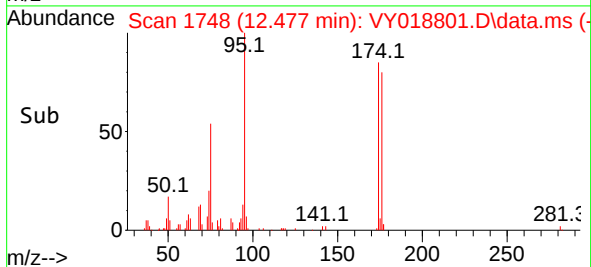
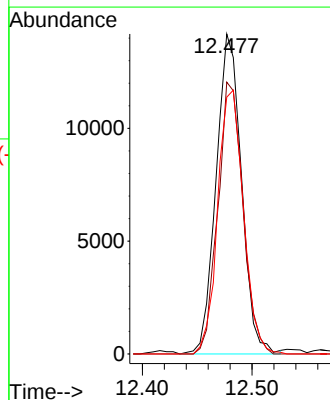
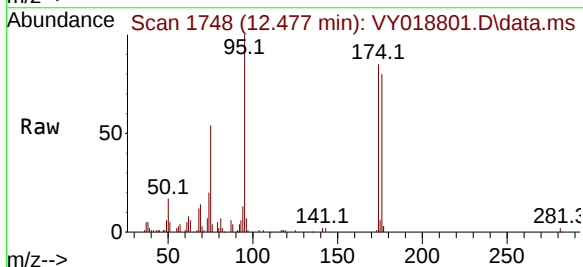
Tgt Ion: 95 Resp: 22807

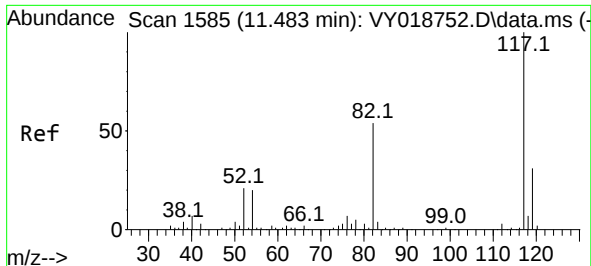
Ion Ratio Lower Upper

95 100

174 83.7 0.0 175.6

176 83.7 0.0 171.4

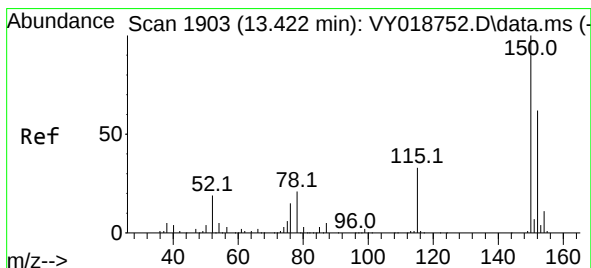
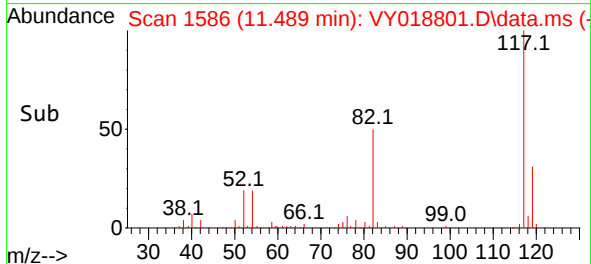
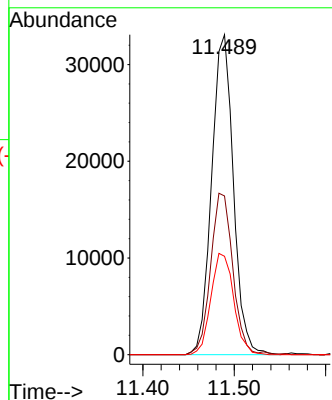
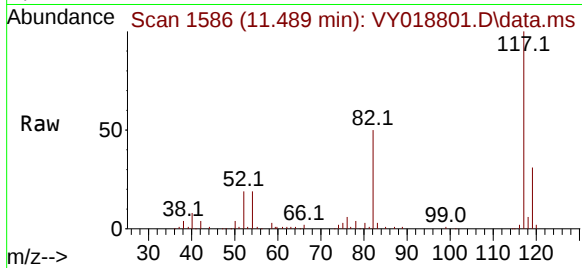




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-07102024

Tgt Ion:117	Resp:	54622
Ion Ratio	Lower	Upper
117	100	
82	49.6	42.4 63.6
119	30.7	25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

Tgt Ion:152	Resp:	22781
Ion Ratio	Lower	Upper
152	100	
115	55.2	28.2 84.7
150	155.6	0.0 345.6

