

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022919.D
 Acq On : 02 Jul 2025 17:53
 Operator : SY/MD
 Sample : Q2473-03
 Misc : 7.64g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#3

Quant Time: Jul 03 02:26:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	309766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	551696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	475549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	181660	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123951	35.852	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.700%
35) Dibromofluoromethane	7.634	113	128321	38.246	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.500%
50) Toluene-d8	10.103	98	659965	49.570	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.401	95	191004	44.628	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.260%

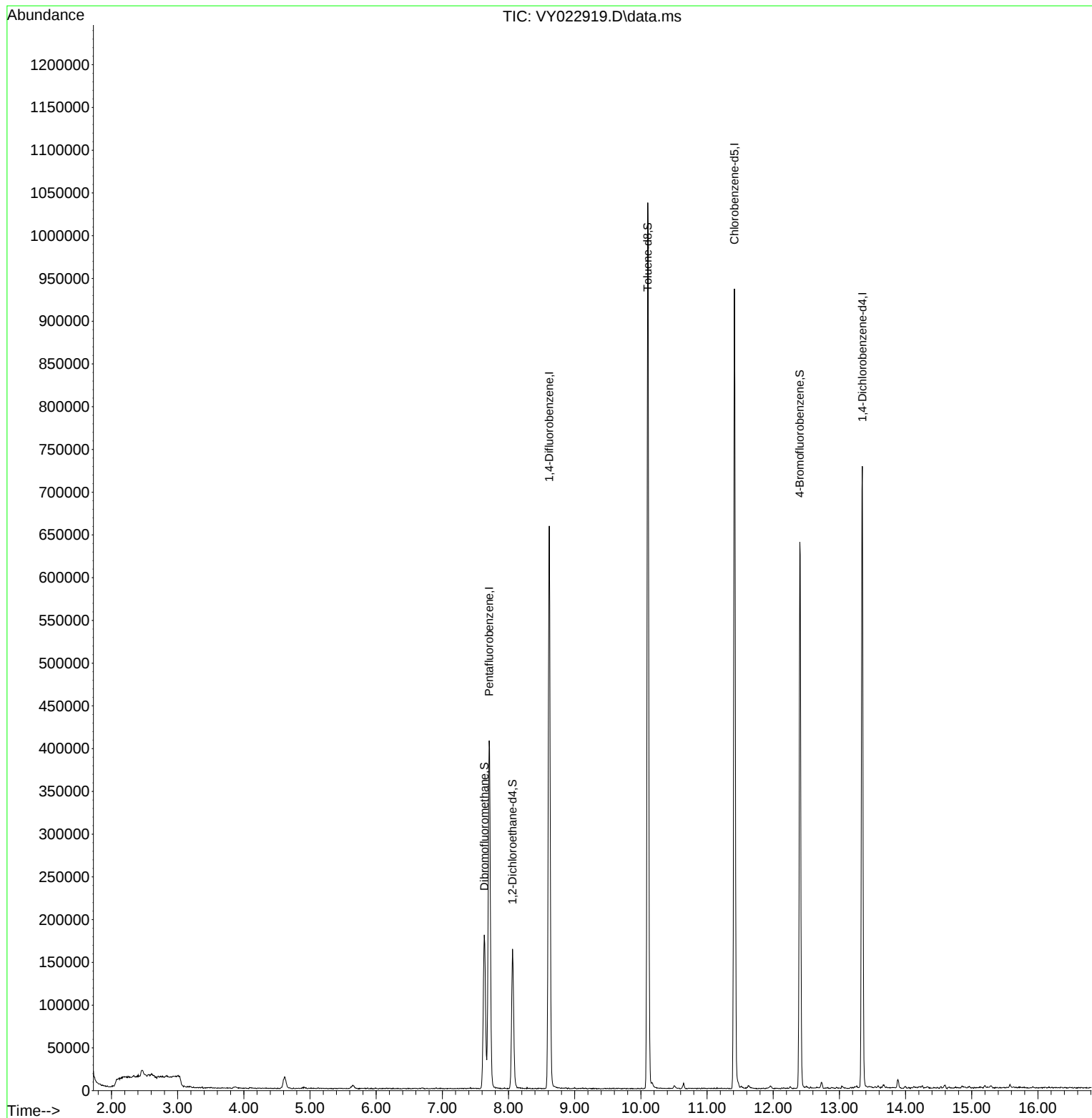
Target Compounds	Qvalue

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

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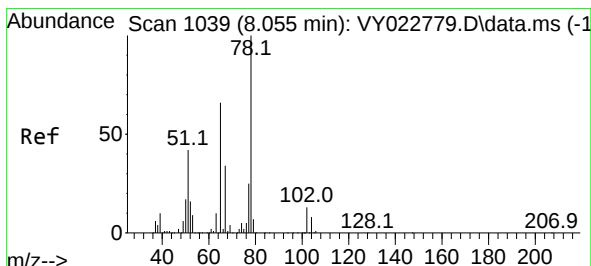
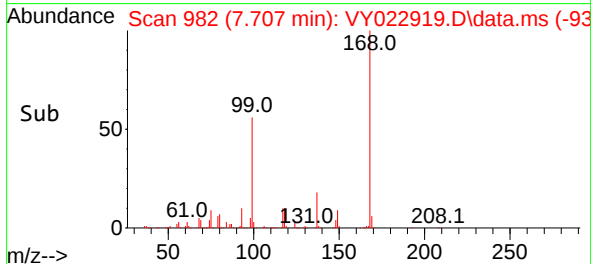
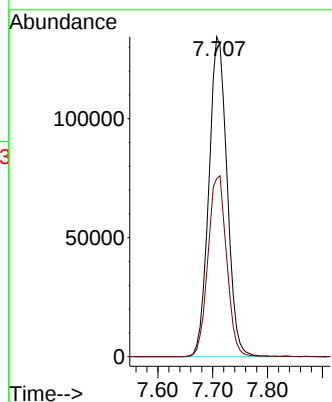
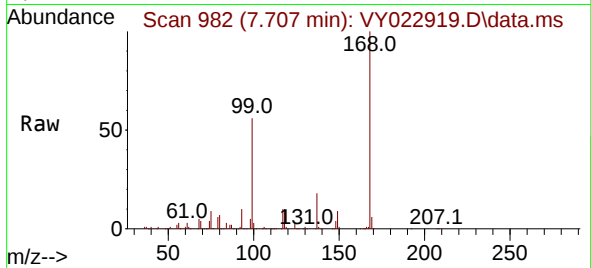




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

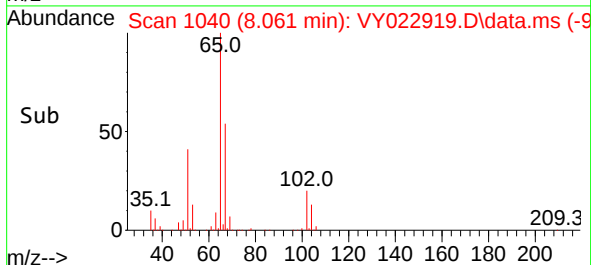
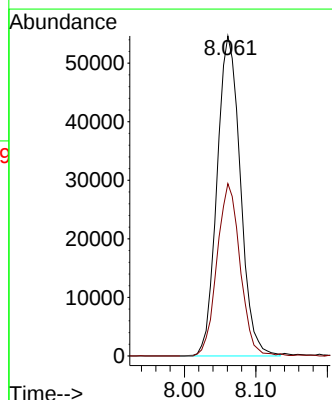
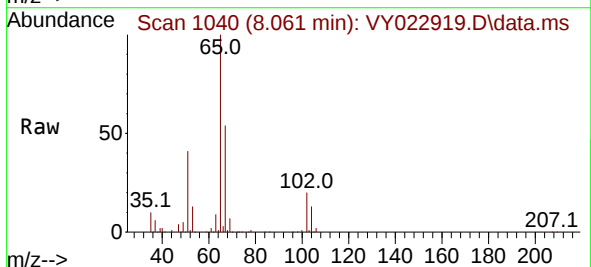
Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

Tgt Ion:168 Resp: 309766
Ion Ratio Lower Upper
168 100
99 55.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 35.852 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion: 65 Resp: 123951
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022919.D

Acq: 02 Jul 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

PIT#3

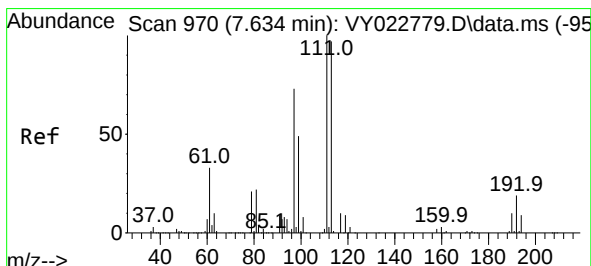
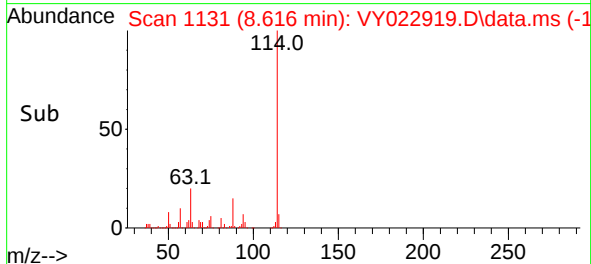
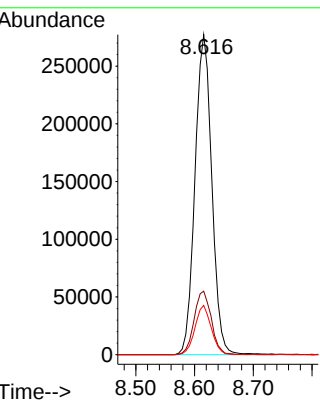
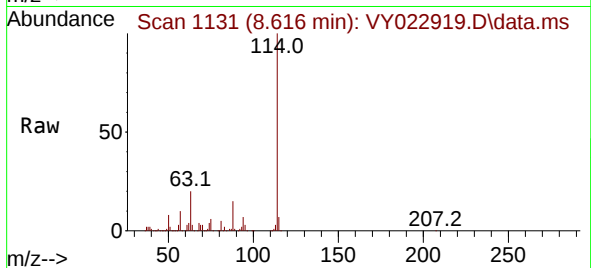
Tgt Ion:114 Resp: 551696

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 38.246 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022919.D

Acq: 02 Jul 2025 17:53

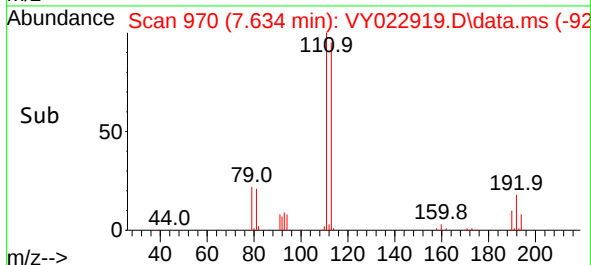
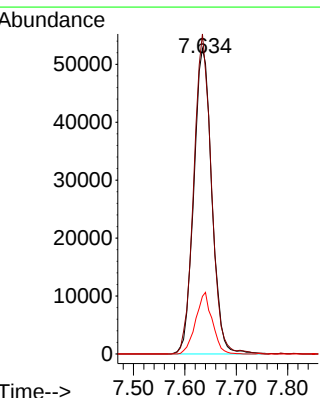
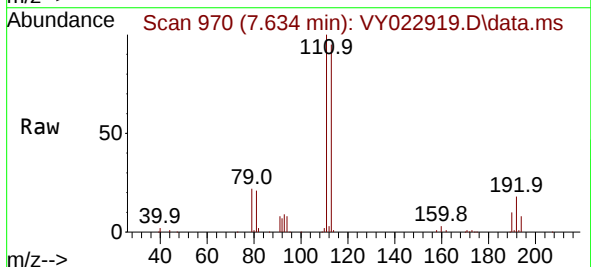
Tgt Ion:113 Resp: 128321

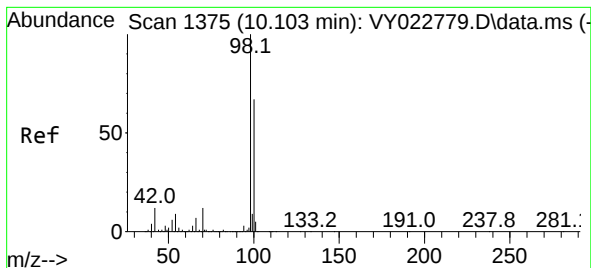
Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

192 18.6 14.2 21.2

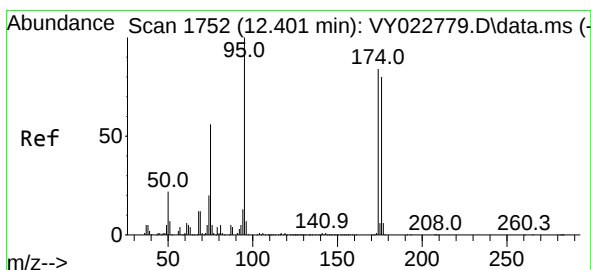
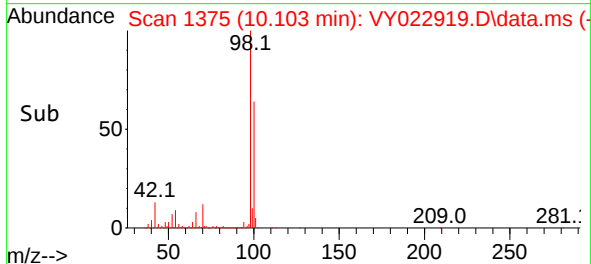
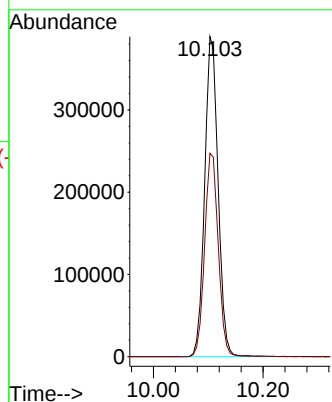
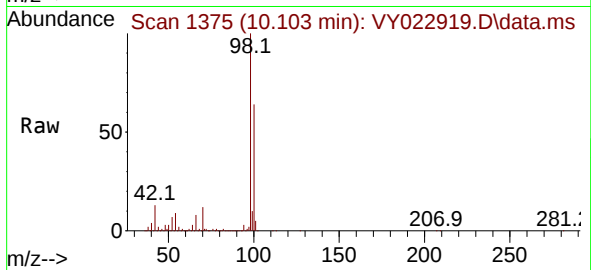




#50
Toluene-d8
Concen: 49.570 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

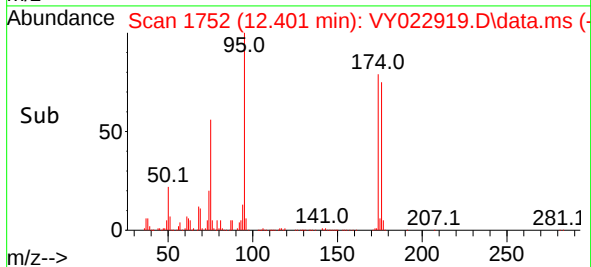
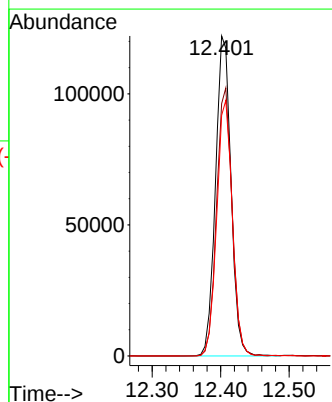
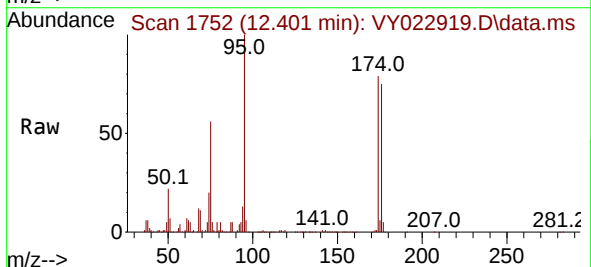
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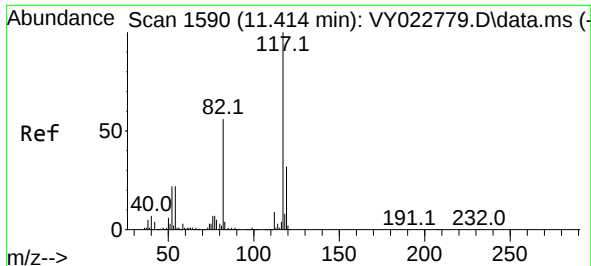
Tgt Ion: 98 Resp: 659965
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.628 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion: 95 Resp: 191004
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.0
176 80.3 0.0 166.2

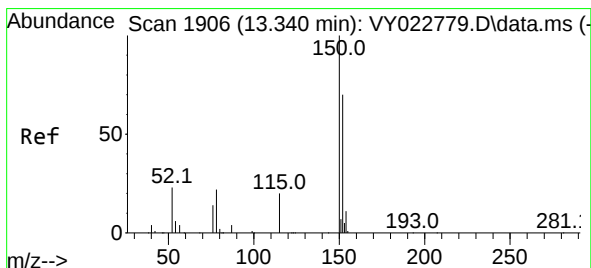
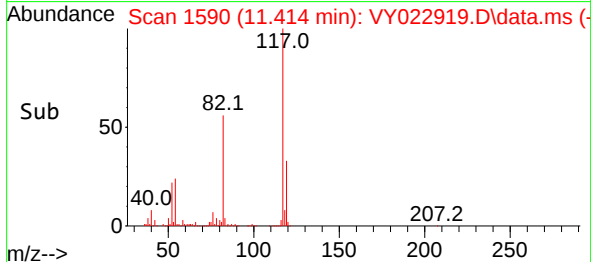
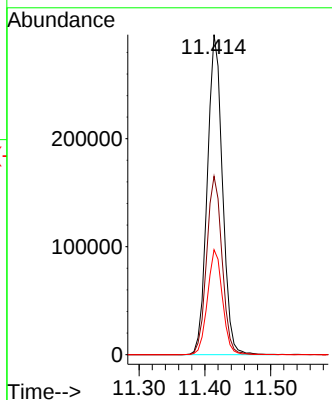
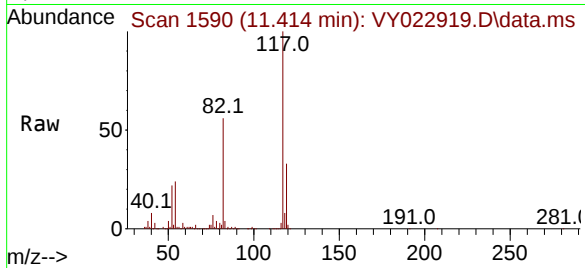




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

Tgt Ion:117 Resp: 475549
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion:152 Resp: 181660
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.7
150 155.6 0.0 349.6

