

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022572.D
 Acq On : 05 Jun 2025 14:20
 Operator : SY/MD
 Sample : Q2208-02
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-06

Quant Time: Jun 06 01:24:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	422080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	768725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	627220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	233746	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	232361	49.221	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.440%
35) Dibromofluoromethane	7.634	113	230417	50.218	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.440%
50) Toluene-d8	10.103	98	927847	50.046	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.401	95	239661	43.386	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.780%

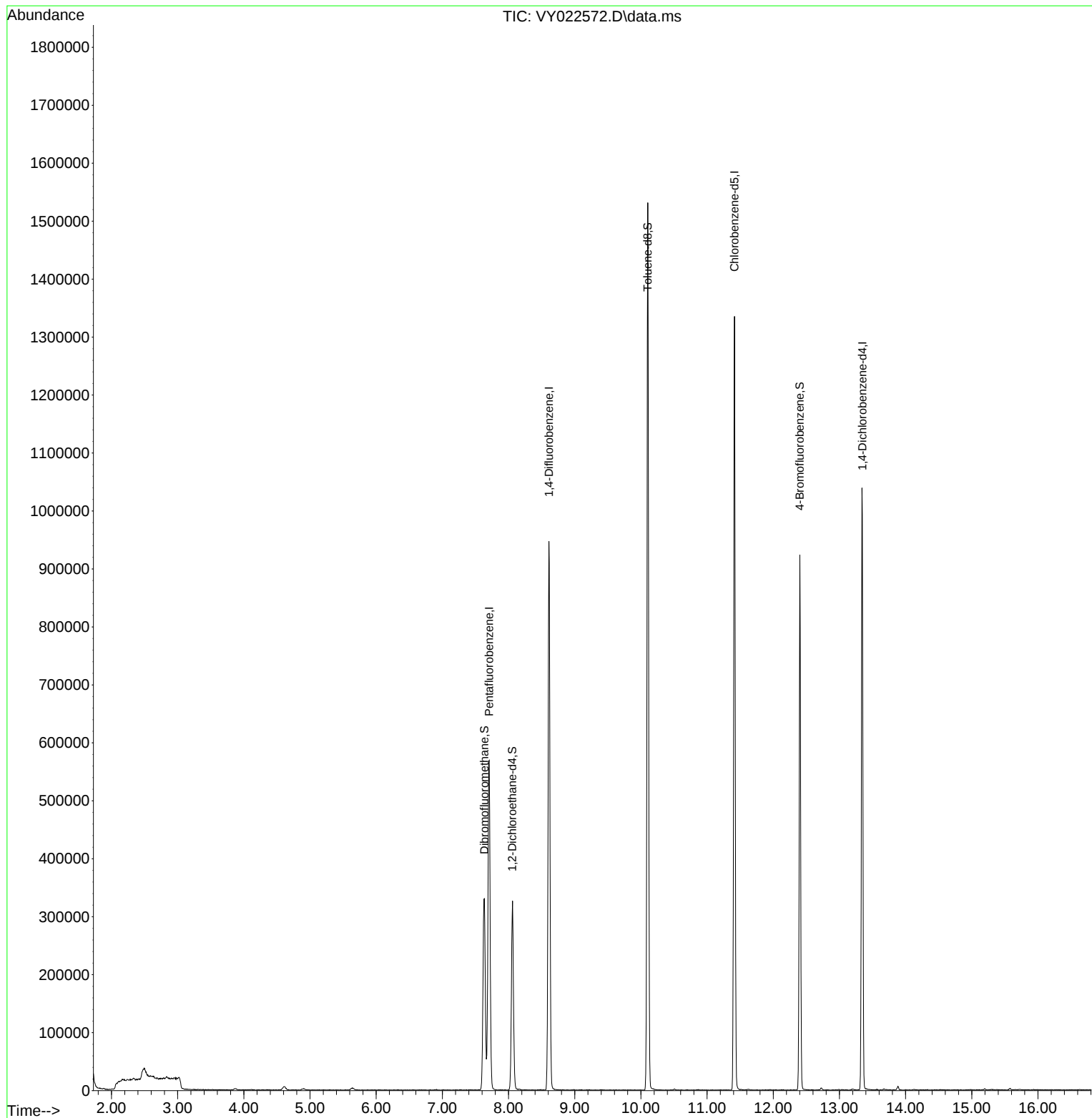
Target Compounds	Qvalue

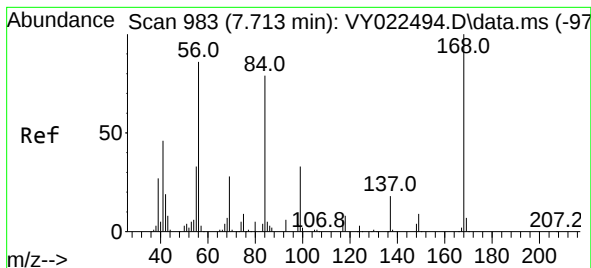
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY022572.D

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Instrument :

MSVOA_Y

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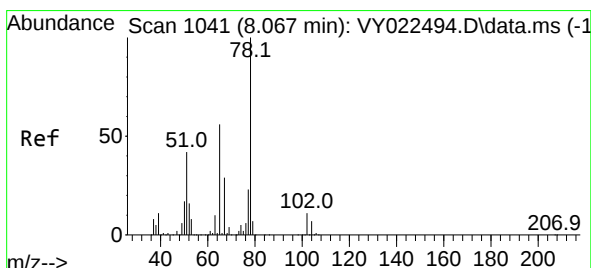
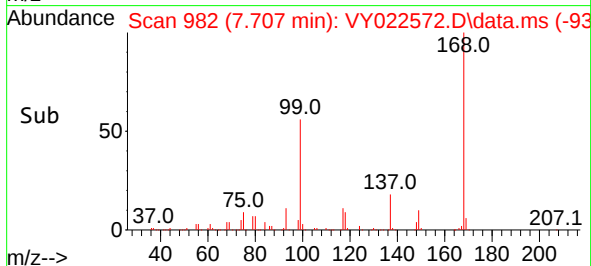
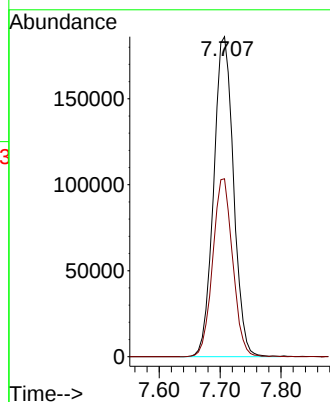
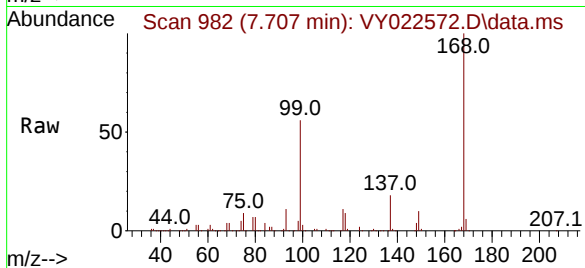
BU-703-VOC-06

Tgt Ion:168 Resp: 422080

Ion Ratio Lower Upper

168 100

99 55.6 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 49.221 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022572.D

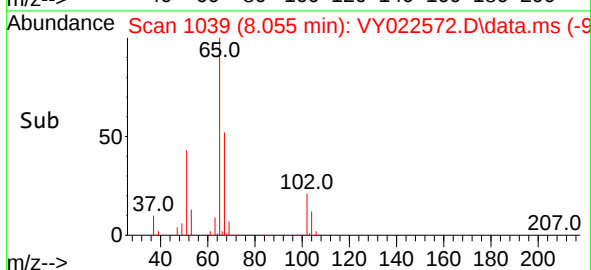
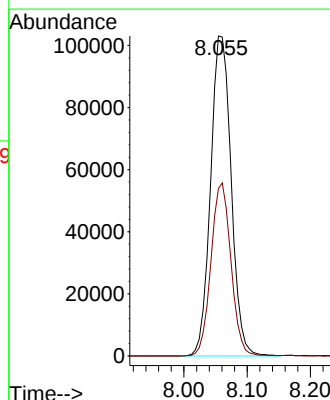
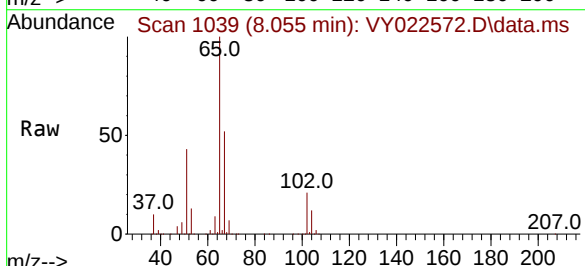
Acq: 05 Jun 2025 14:20

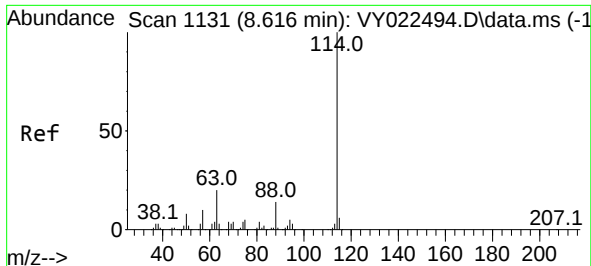
Tgt Ion: 65 Resp: 232361

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4

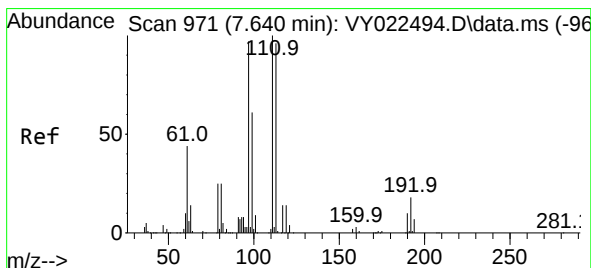
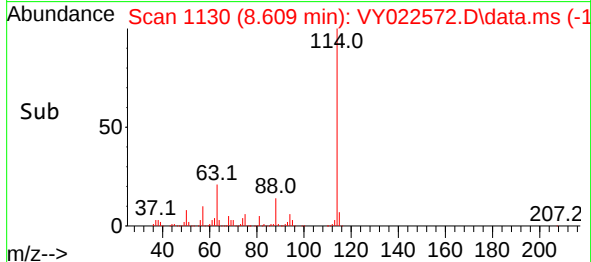
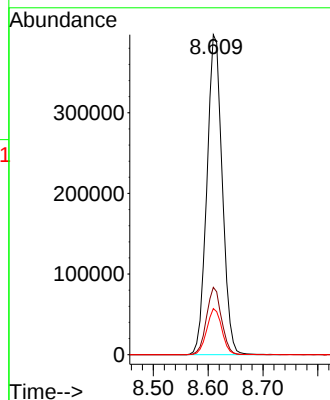
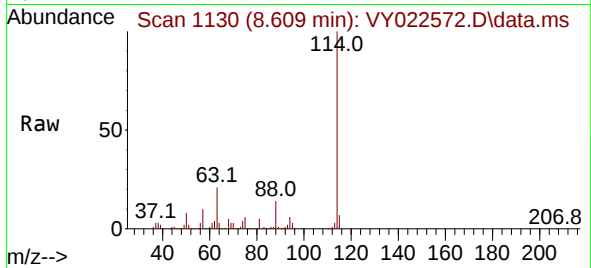




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

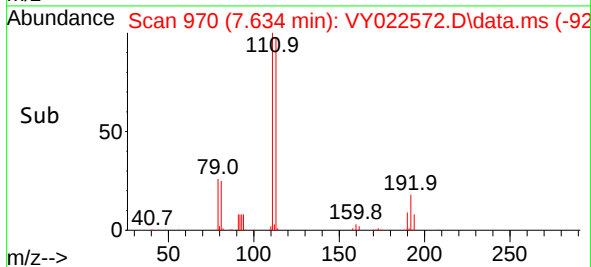
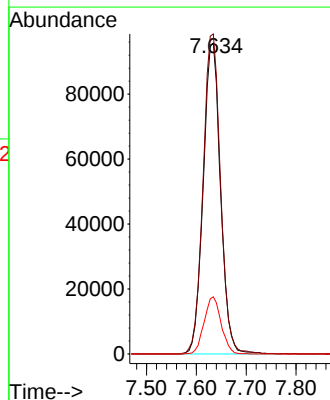
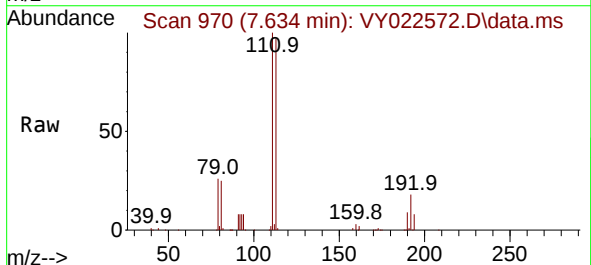
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BU-703-VOC-06

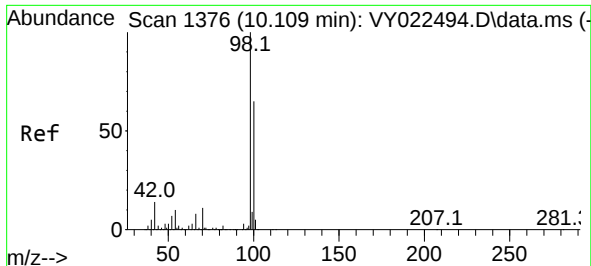
Tgt Ion:114 Resp: 768725
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.218 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

Tgt Ion:113 Resp: 230417
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 18.1 14.2 21.2

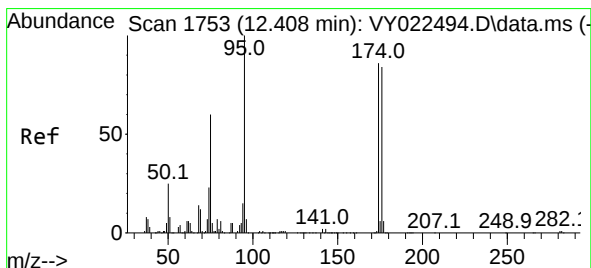
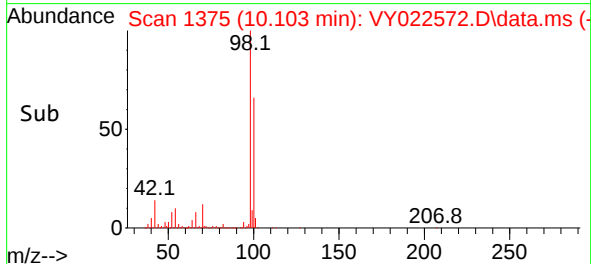
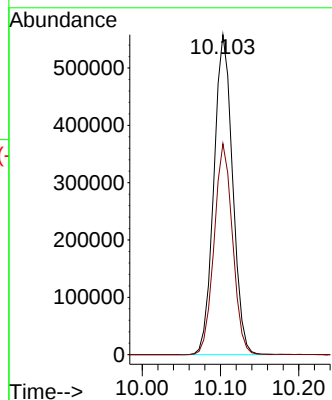
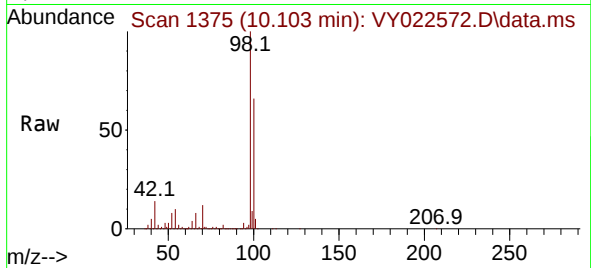




#50
Toluene-d8
Concen: 50.046 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

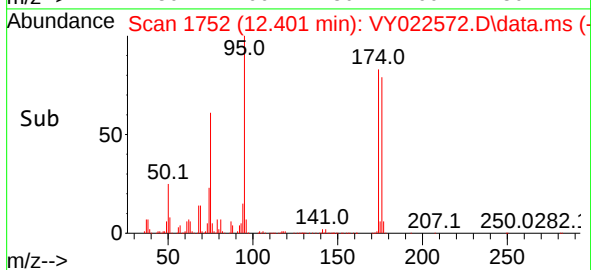
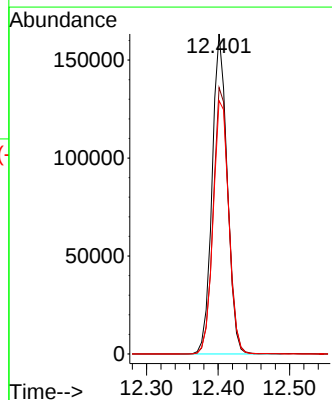
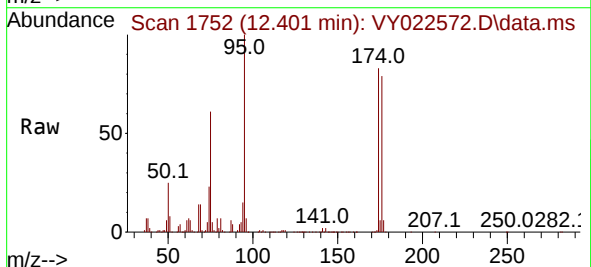
Instrument :
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BU-703-VOC-06

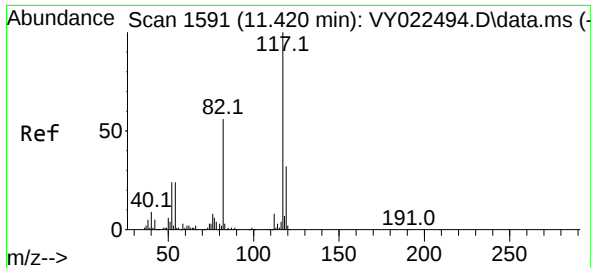
Tgt Ion: 98 Resp: 927847
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.386 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

Tgt Ion: 95 Resp: 239661
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.0
176 81.8 0.0 166.2

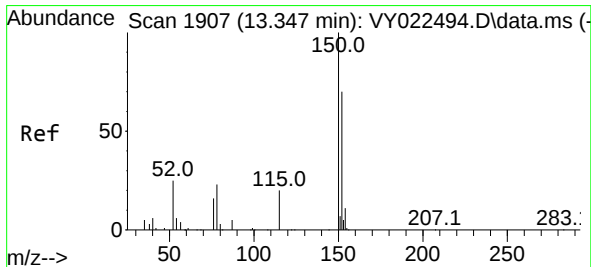
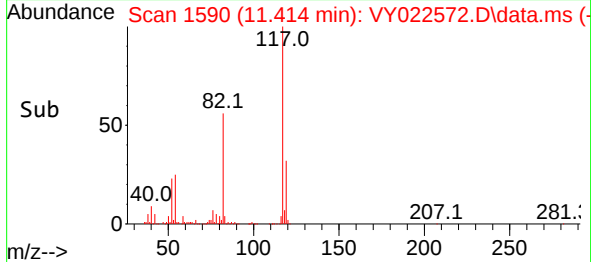
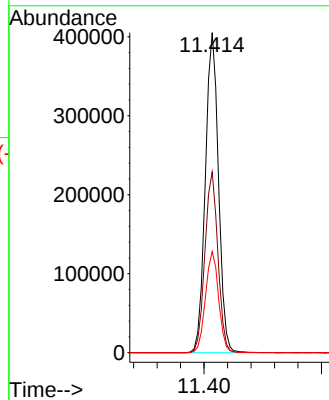
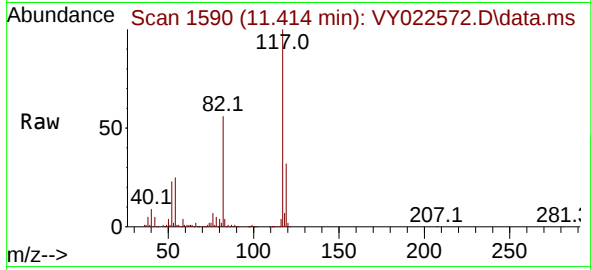




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

Tgt Ion:117 Resp: 627220
Ion Ratio Lower Upper
117 100
82 56.5 44.6 66.8
119 31.6 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: VY022572.D
Acq: 05 Jun 2025 14:20

Tgt Ion:152 Resp: 233746
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.7
150 160.2 0.0 349.6

