

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022960.D
 Acq On : 07 Jul 2025 15:12
 Operator : SY/MD
 Sample : Q2484-03
 Misc : 3.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-64

Quant Time: Jul 08 01:48:38 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)

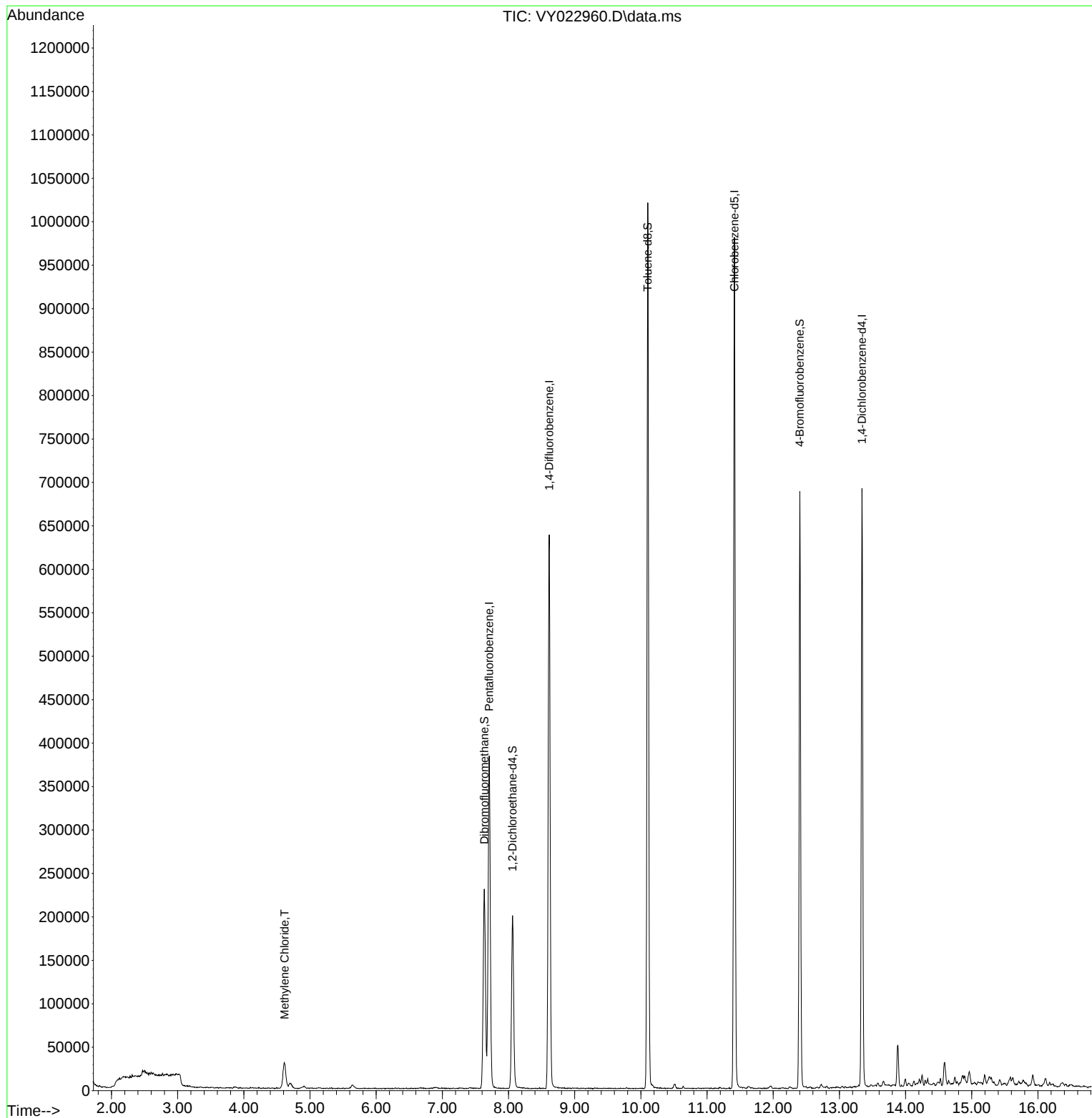
Internal Standards						
1) Pentafluorobenzene	7.707	168	287261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	532666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	486729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	165608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156392	48.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.560%
35) Dibromofluoromethane	7.634	113	163412	50.445	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.880%
50) Toluene-d8	10.103	98	640659	49.839	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.680%
62) 4-Bromofluorobenzene	12.402	95	192863	46.672	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.340%
Target Compounds						
20) Methylene Chloride	4.616	84	21614	5.648	ug/l	Qvalue 89

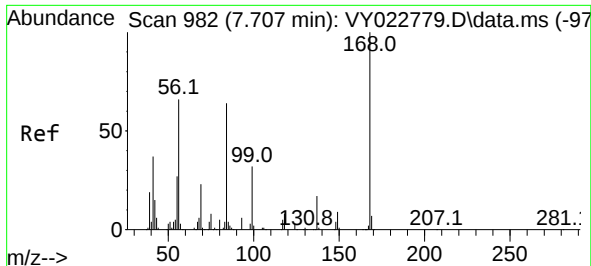
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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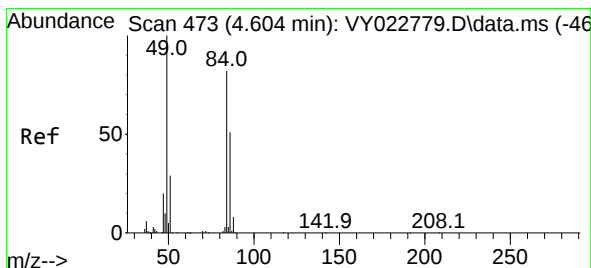
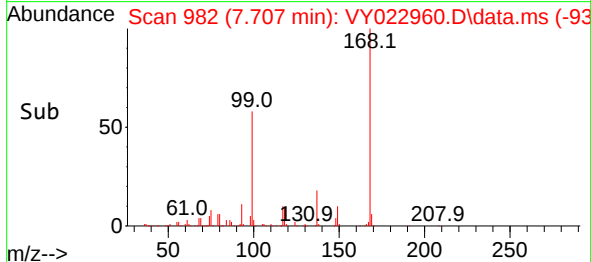
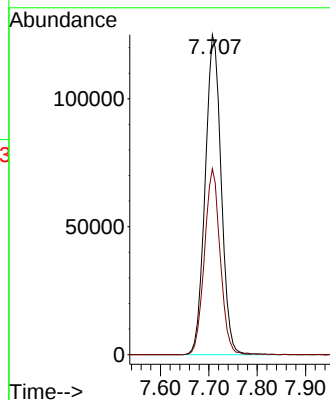
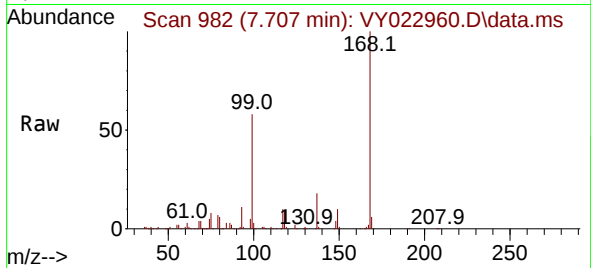




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022960.D
Acq: 07 Jul 2025 15:12

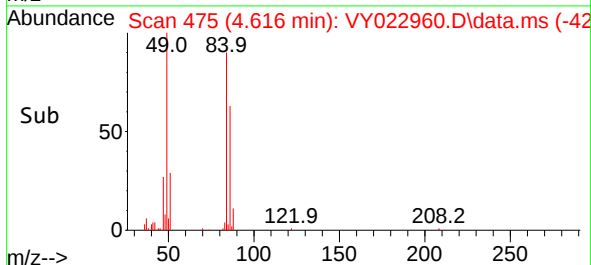
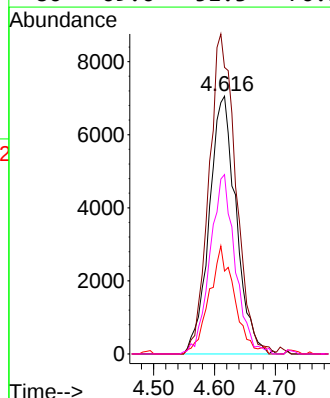
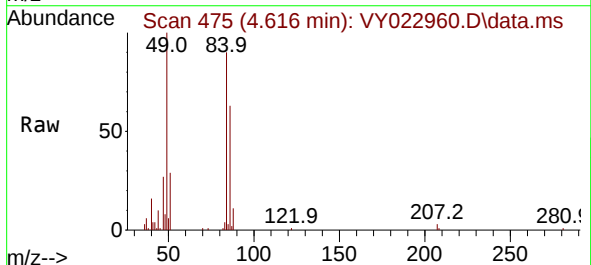
Instrument :
MSVOA_Y
ClientSampleId :
TP-64

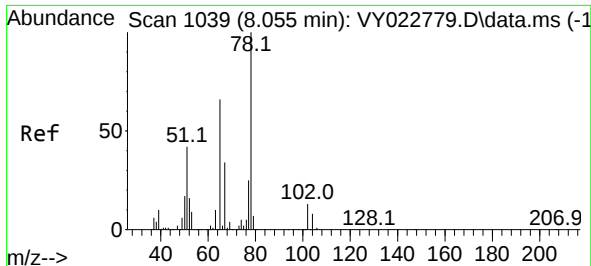
Tgt Ion:168 Resp: 287261
Ion Ratio Lower Upper
168 100
99 58.1 44.3 66.5



#20
Methylene Chloride
Concen: 5.648 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022960.D
Acq: 07 Jul 2025 15:12

Tgt Ion: 84 Resp: 21614
Ion Ratio Lower Upper
84 100
49 111.2 101.9 152.9
51 32.1 29.8 44.8
86 69.6 51.3 76.9

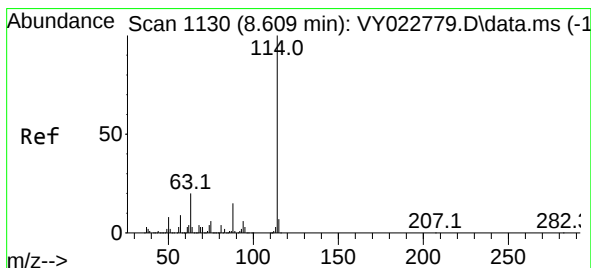
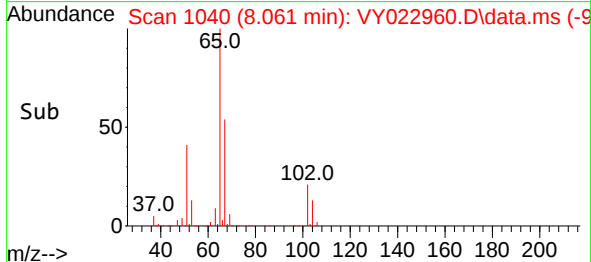
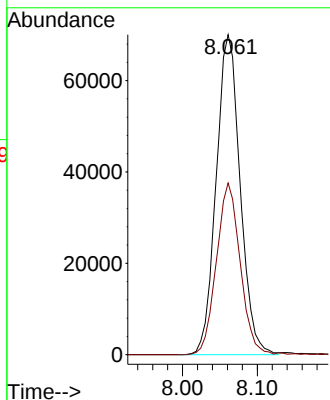
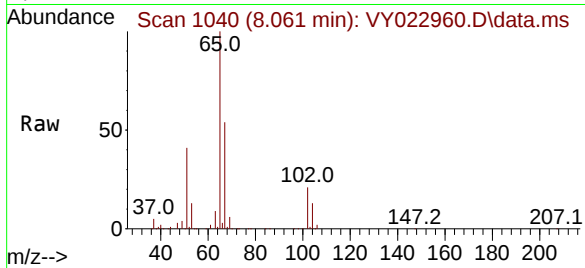




#33
 1,2-Dichloroethane-d4
 Concen: 48.779 ug/l
 RT: 8.061 min Scan# 1039
 Delta R.T. -0.006 min
 Lab File: VY022960.D
 Acq: 07 Jul 2025 15:12

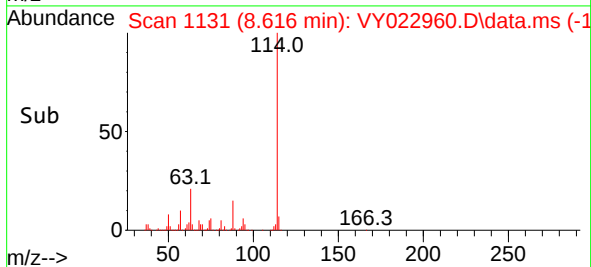
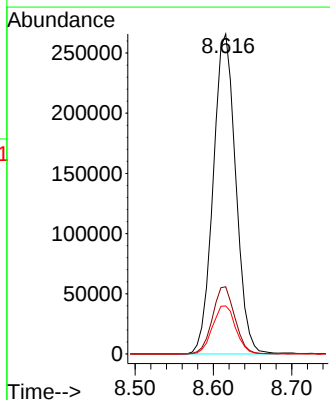
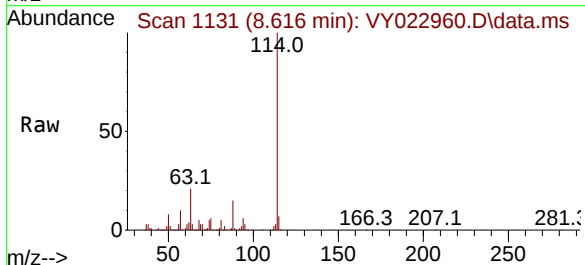
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-64

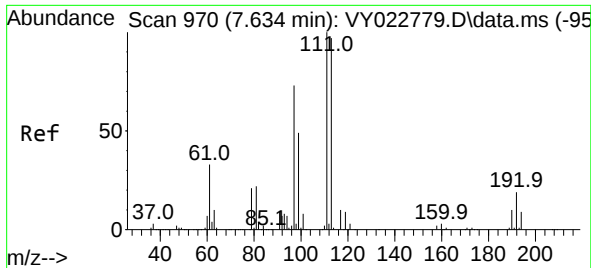
Tgt Ion: 65 Resp: 156392
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022960.D
 Acq: 07 Jul 2025 15:12

Tgt Ion: 114 Resp: 532666
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 15.0 0.0 27.8

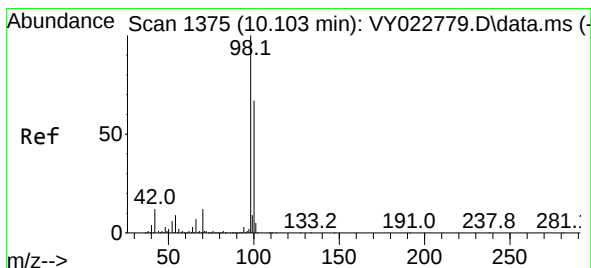
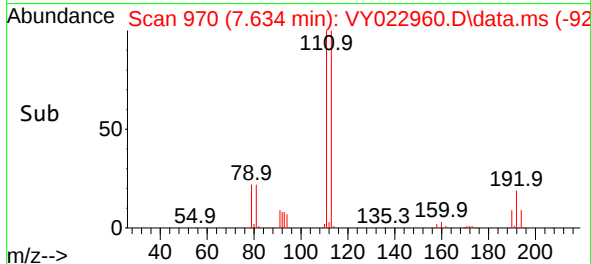
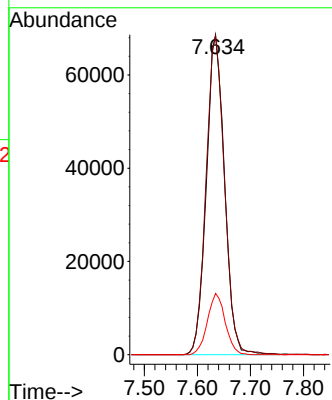
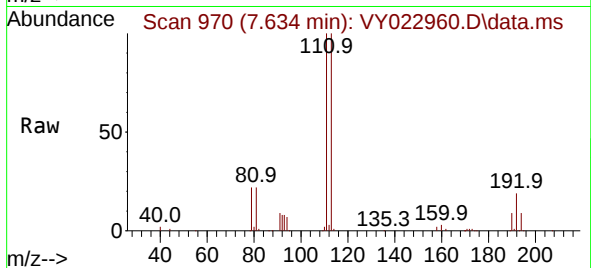




#35
Dibromofluoromethane
Concen: 50.445 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022960.D
Acq: 07 Jul 2025 15:12

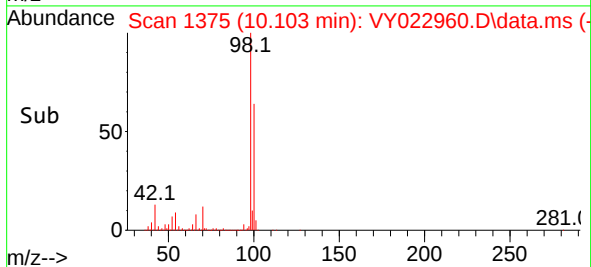
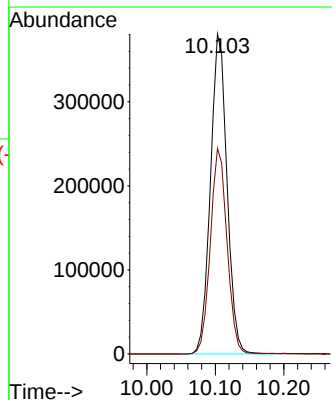
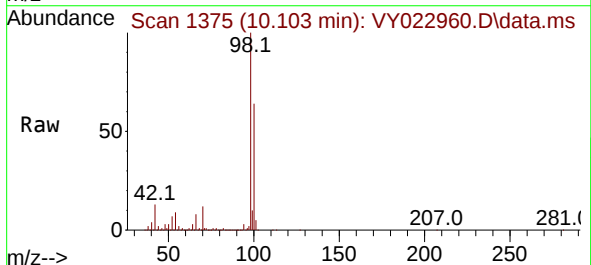
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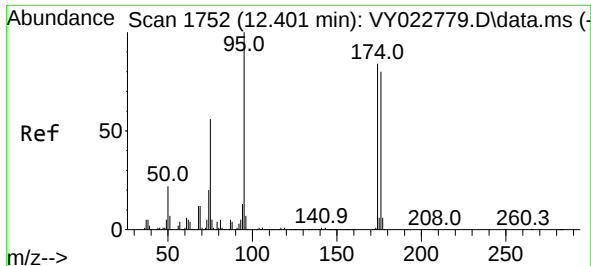
Tgt Ion:113 Resp: 163412
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 18.8 14.2 21.2



#50
Toluene-d8
Concen: 49.839 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022960.D
Acq: 07 Jul 2025 15:12

Tgt Ion: 98 Resp: 640659
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

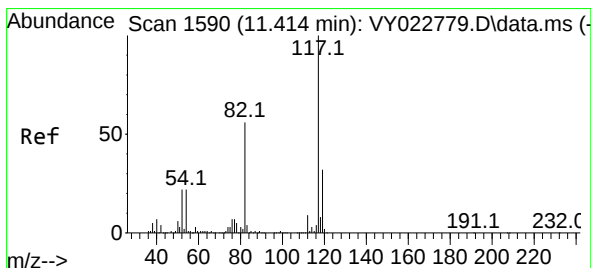
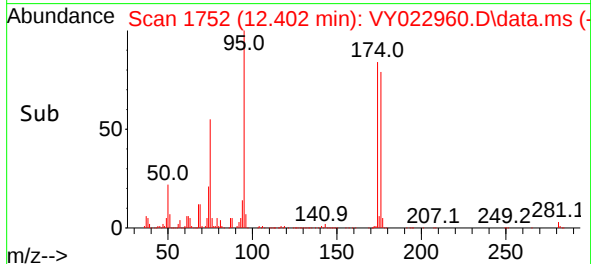
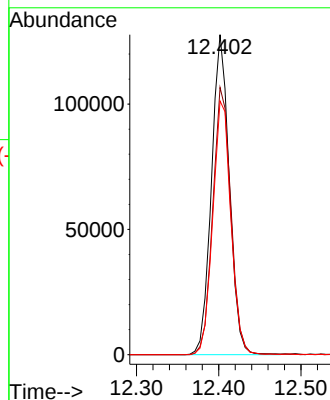
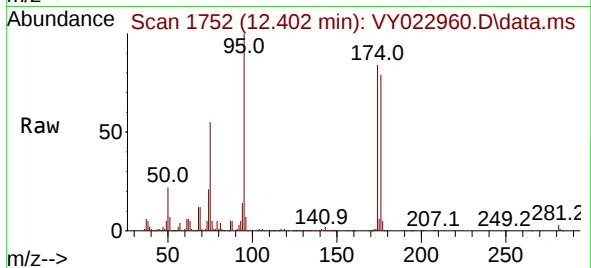




#62
4-Bromofluorobenzene
Concen: 46.672 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022960.D
Acq: 07 Jul 2025 15:12

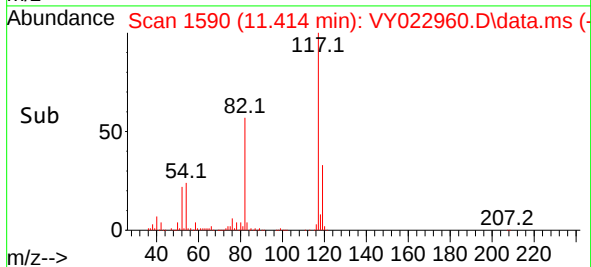
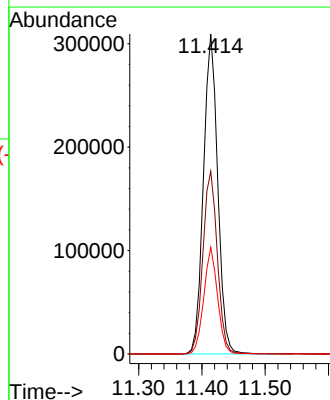
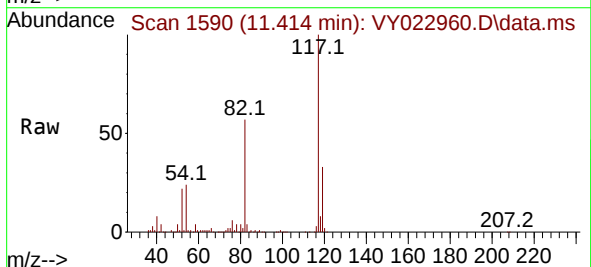
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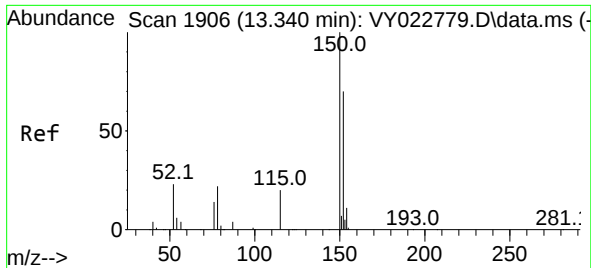
Tgt Ion: 95 Resp: 192863
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 80.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022960.D
Acq: 07 Jul 2025 15:12

Tgt Ion: 117 Resp: 486729
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 33.3 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022960.D
 Acq: 07 Jul 2025 15:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-64

Tgt Ion:152 Resp: 165608
 Ion Ratio Lower Upper
 152 100
 115 59.5 28.9 86.7
 150 156.9 0.0 349.6

