

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022532.D
 Acq On : 03 Jun 2025 18:56
 Operator : SY/MD
 Sample : Q2176-07
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-31

Quant Time: Jun 04 04:17:16 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)

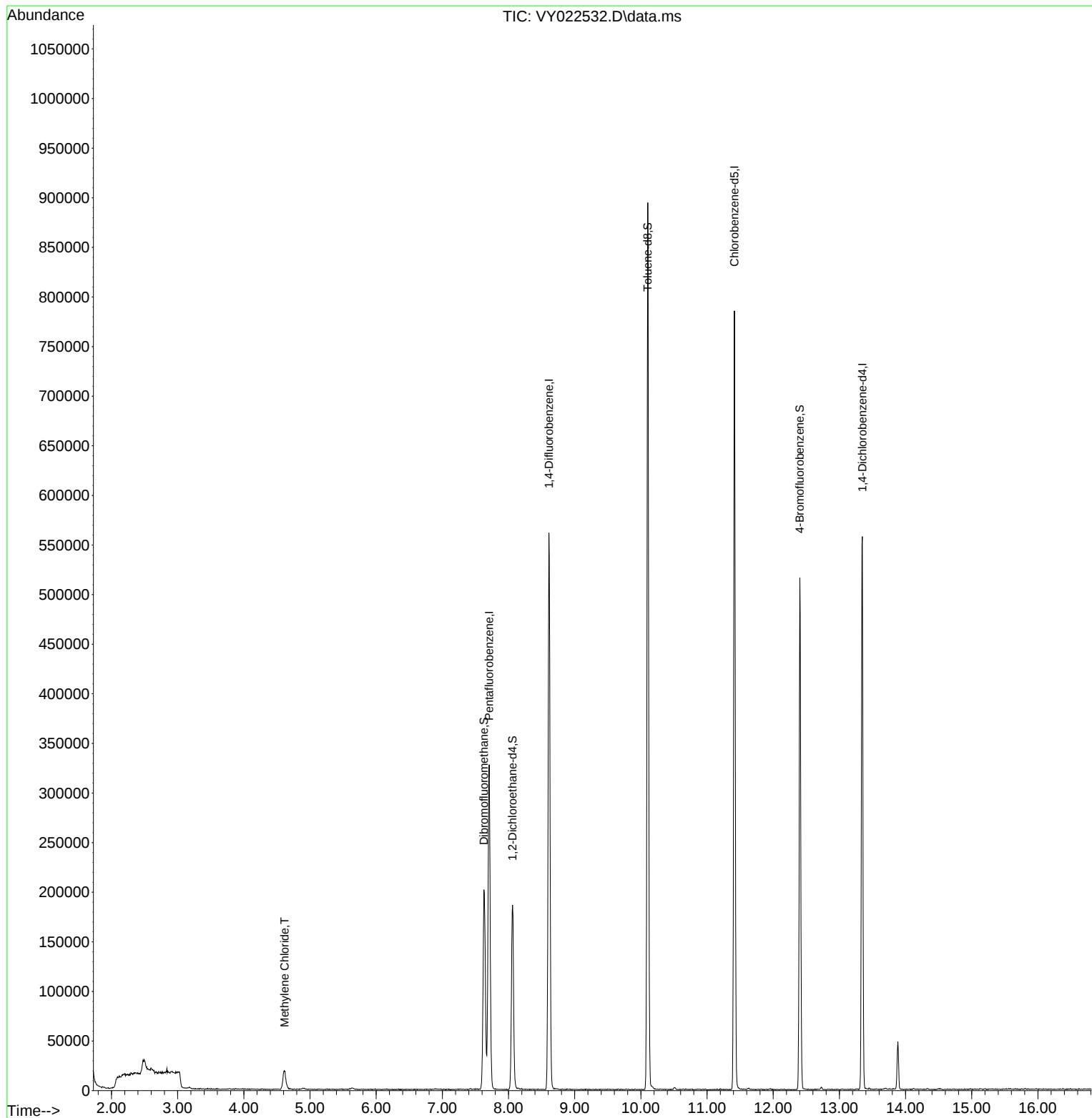
Internal Standards						
1) Pentafluorobenzene	7.707	168	242608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	461777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	369180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141185	52.032	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.060%
35) Dibromofluoromethane	7.628	113	140282	50.896	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.800%
50) Toluene-d8	10.103	98	553890	49.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.460%
62) 4-Bromofluorobenzene	12.401	95	137293	41.375	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.740%
Target Compounds						
20) Methylene Chloride	4.616	84	13883	4.435	ug/l	93

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

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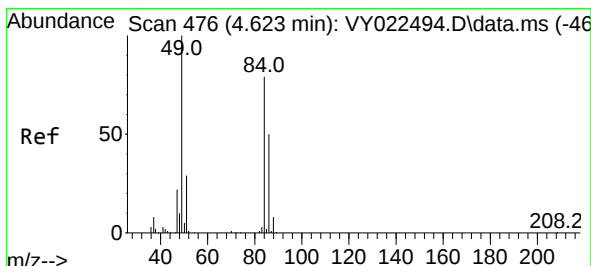
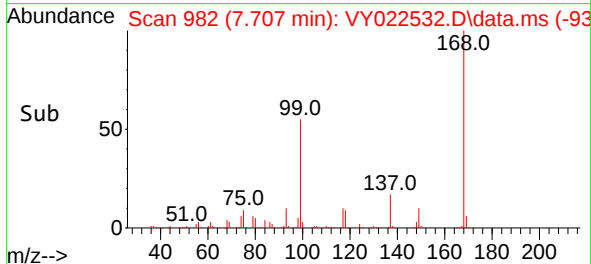
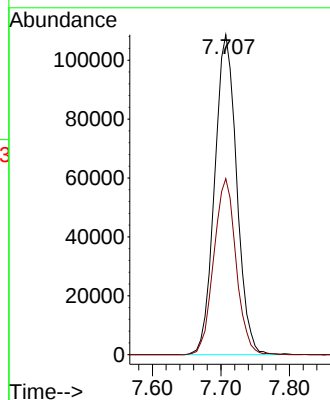
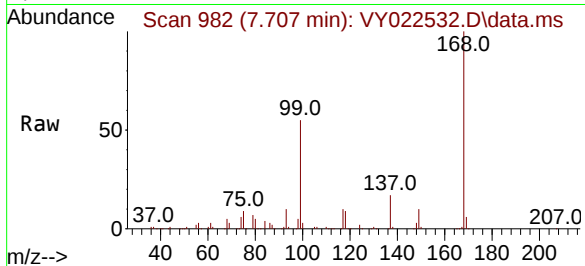




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

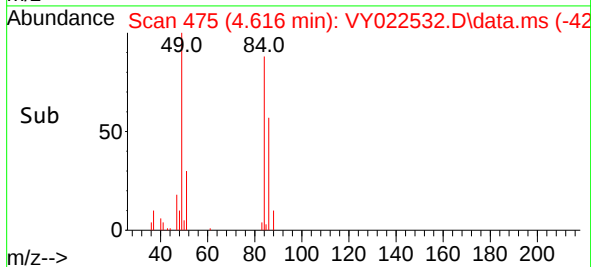
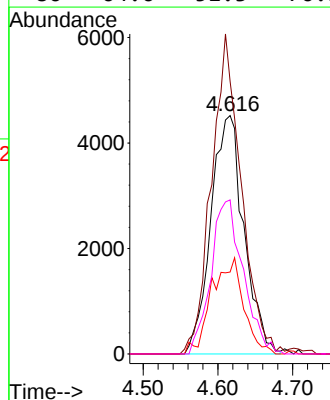
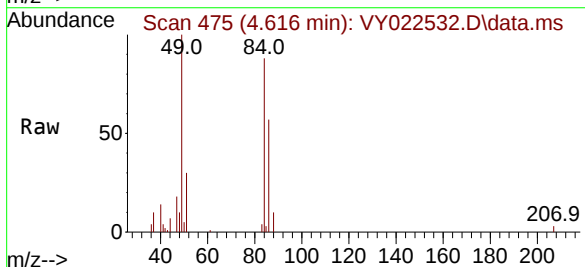
Instrument :
MSVOA_Y
ClientSampleId :
TP-31

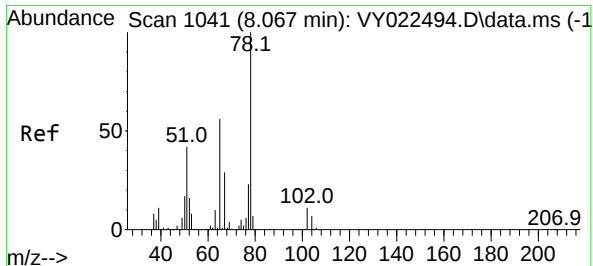
Tgt Ion:168 Resp: 242608
Ion Ratio Lower Upper
168 100
99 55.0 44.3 66.5



#20
Methylene Chloride
Concen: 4.435 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 84 Resp: 13883
Ion Ratio Lower Upper
84 100
49 114.2 101.9 152.9
51 34.4 29.8 44.8
86 64.6 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 52.032 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022532.D

Acq: 03 Jun 2025 18:56

Instrument :

MSVOA_Y

ClientSampleId :

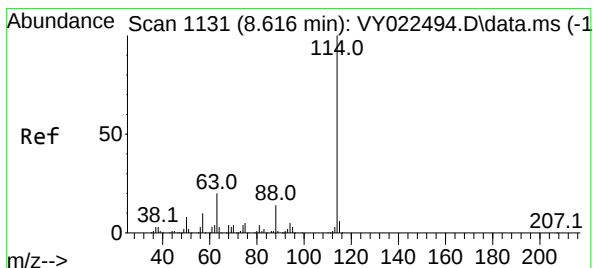
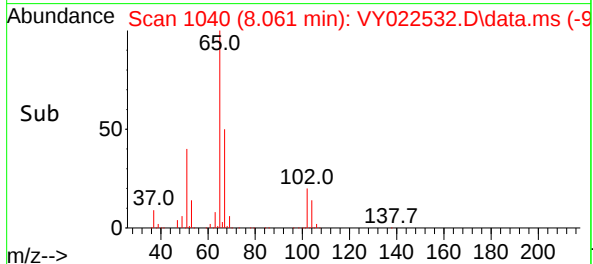
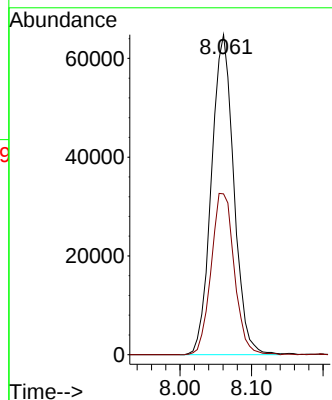
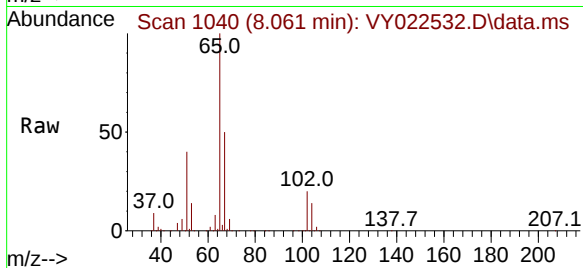
TP-31

Tgt Ion: 65 Resp: 141185

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022532.D

Acq: 03 Jun 2025 18:56

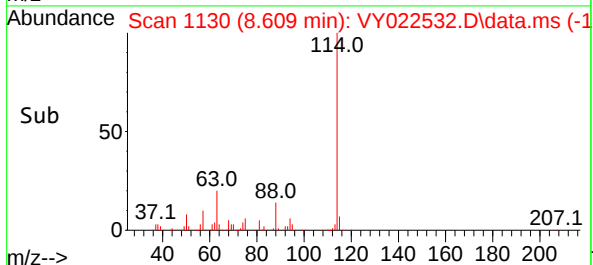
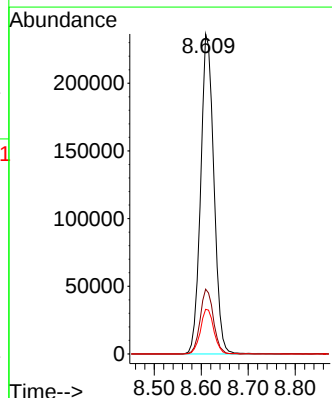
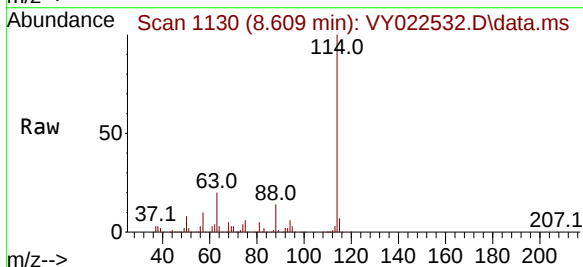
Tgt Ion: 114 Resp: 461777

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.0 0.0 27.8

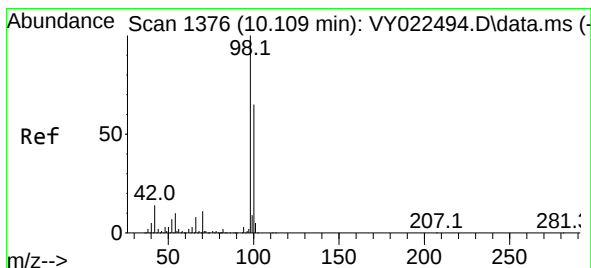
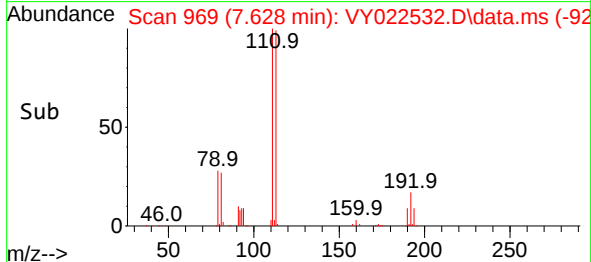
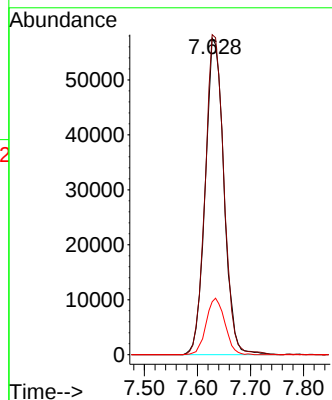
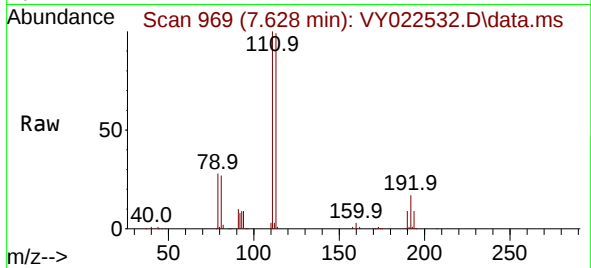




#35
Dibromofluoromethane
Concen: 50.896 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

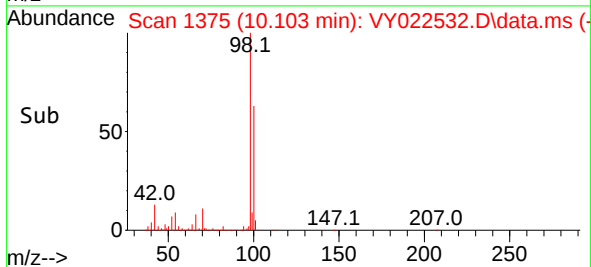
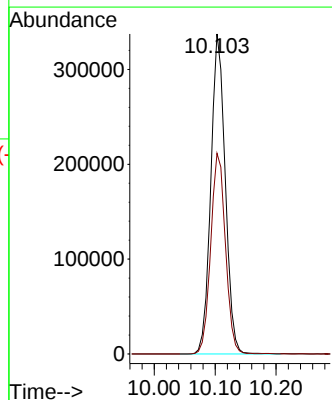
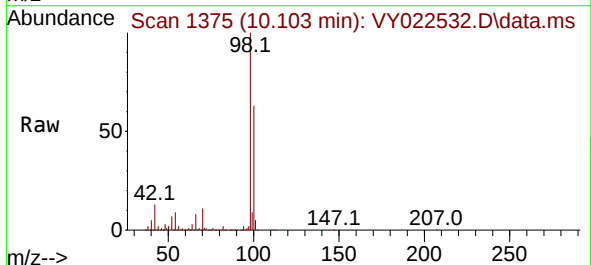
Instrument :
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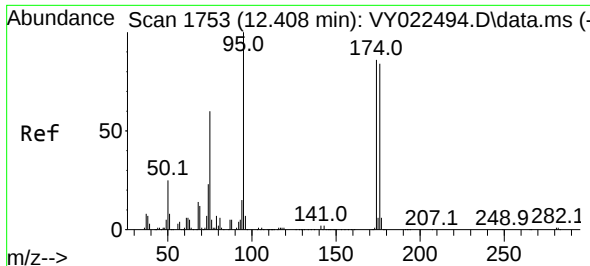
Tgt Ion:113 Resp: 140282
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 18.0 14.2 21.2



#50
Toluene-d8
Concen: 49.734 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 98 Resp: 553890
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0

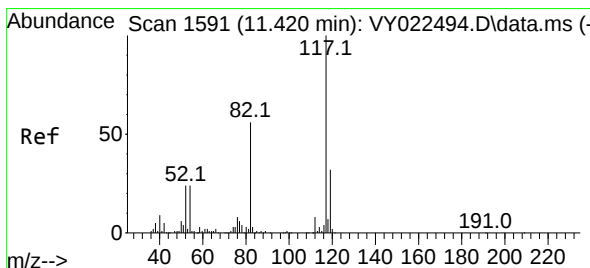
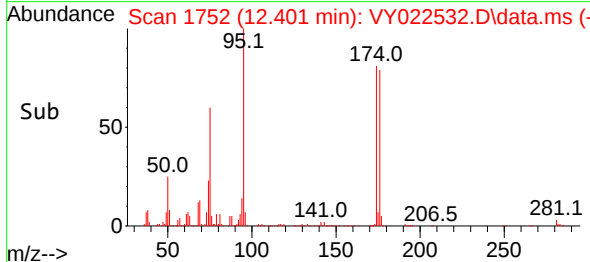
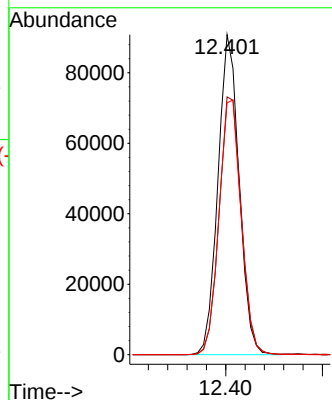
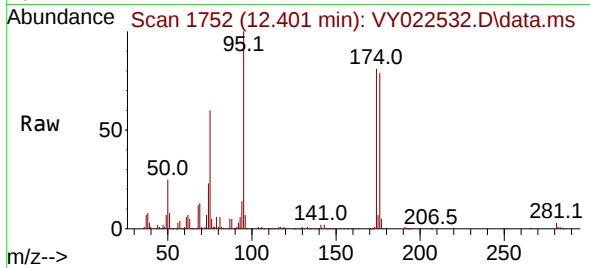




#62
4-Bromofluorobenzene
Concen: 41.375 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

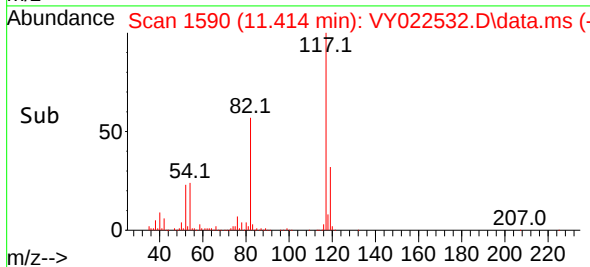
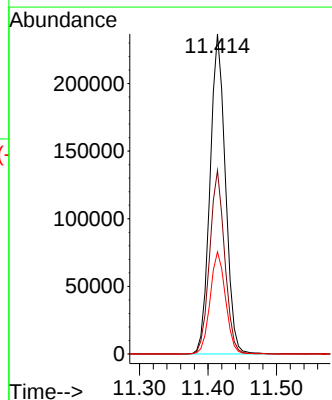
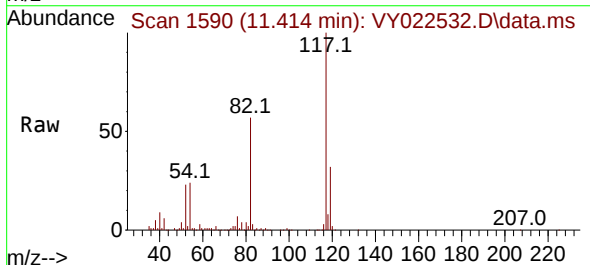
Instrument :
MSVOA_Y
ClientSampleId :
TP-31

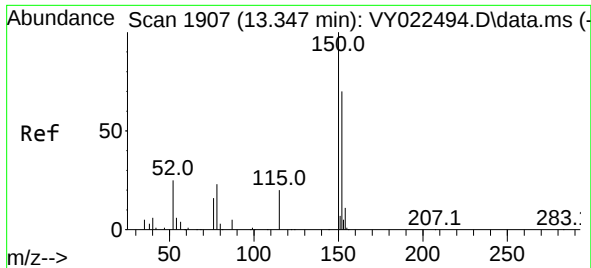
Tgt Ion: 95 Resp: 137293
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 83.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 117 Resp: 369180
Ion Ratio Lower Upper
117 100
82 57.3 44.6 66.8
119 31.9 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: VY022532.D
 Acq: 03 Jun 2025 18:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-31

Tgt Ion:152 Resp: 131849
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.9 86.7
 150 157.2 0.0 349.6

