

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022137.D
 Acq On : 02 May 2025 18:22
 Operator : SY/MD
 Sample : Q1937-04
 Misc : 6.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LARGE-PILE-B

Quant Time: May 03 02:52:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

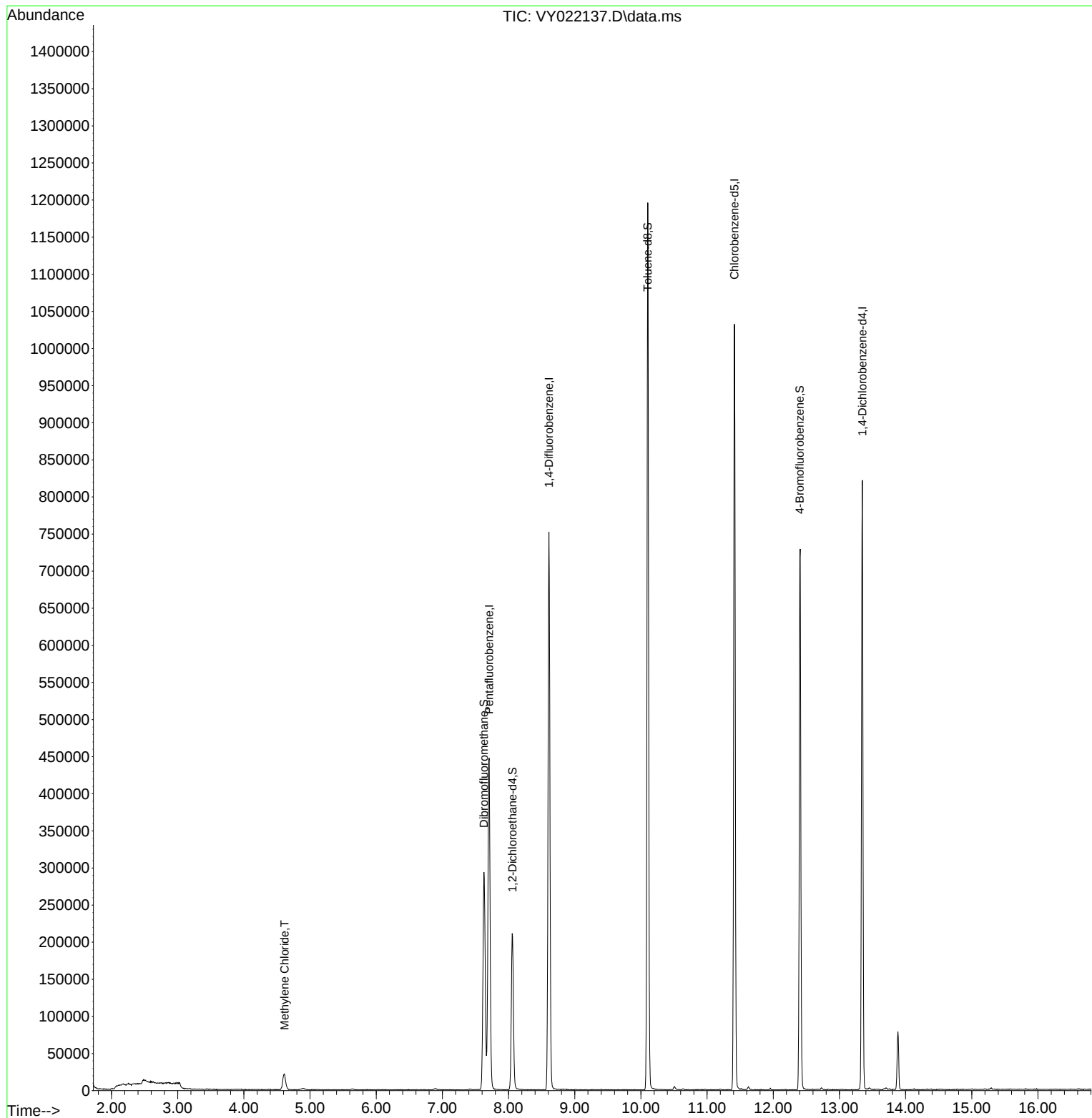
Internal Standards						
1) Pentafluorobenzene	7.707	168	349495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	657538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	213475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	169425	52.482	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.960%
35) Dibromofluoromethane	7.628	113	210717	48.507	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.020%
50) Toluene-d8	10.103	98	775520	47.354	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.700%
62) 4-Bromofluorobenzene	12.401	95	219702	39.850	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.700%
Target Compounds						
20) Methylene Chloride	4.616	84	17101	4.189	ug/l	98

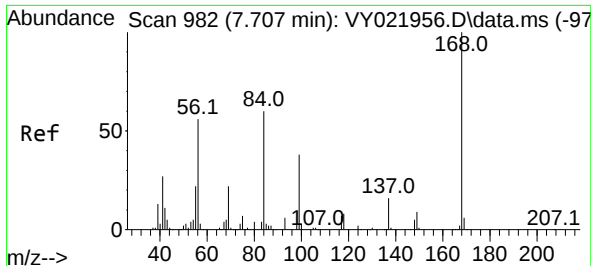
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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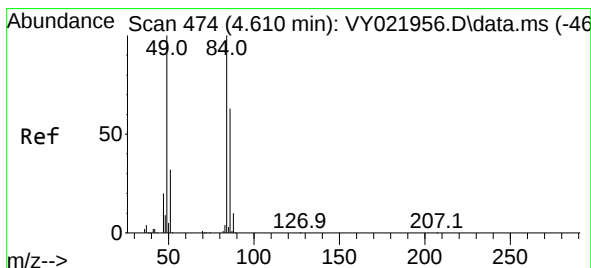
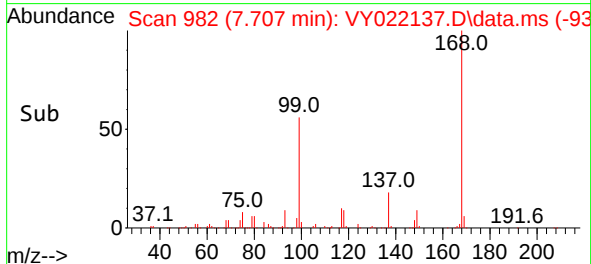
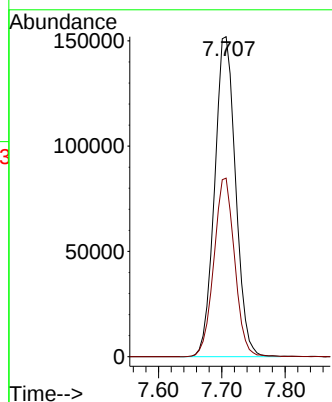
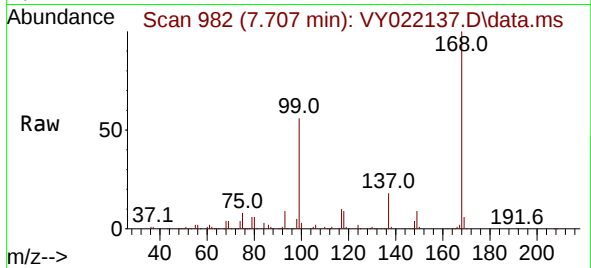




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022137.D
Acq: 02 May 2025 18:22

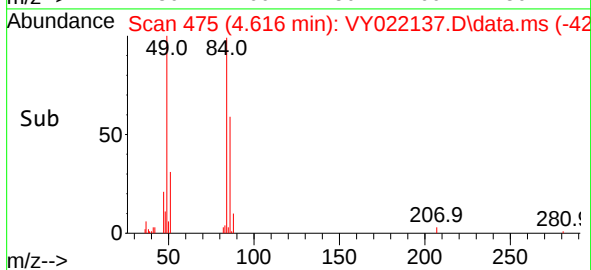
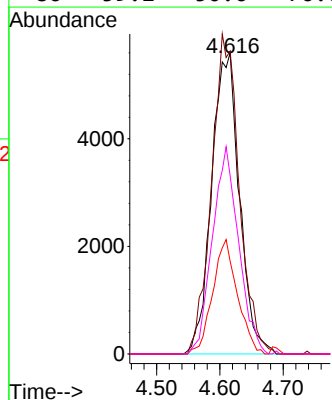
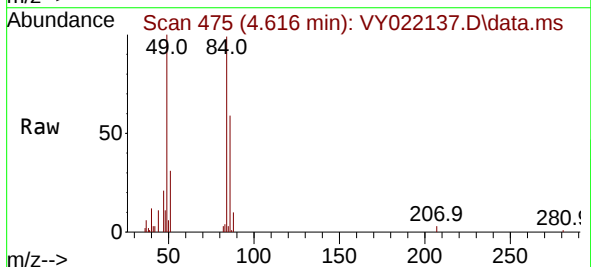
Instrument :
MSVOA_Y
ClientSampleId :
LARGE-PILE-B

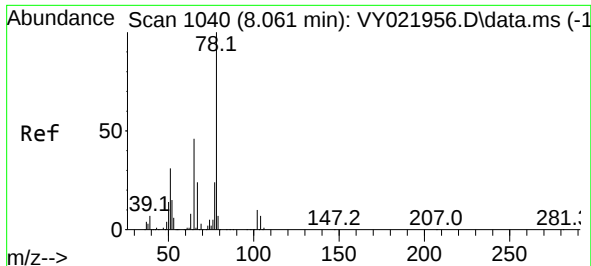
Tgt Ion:168 Resp: 349495
Ion Ratio Lower Upper
168 100
99 55.8 43.1 64.7



#20
Methylene Chloride
Concen: 4.189 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022137.D
Acq: 02 May 2025 18:22

Tgt Ion: 84 Resp: 17101
Ion Ratio Lower Upper
84 100
49 100.6 79.9 119.9
51 30.8 25.4 38.0
86 59.2 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 52.482 ug/l

RT: 8.060 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022137.D

Acq: 02 May 2025 18:22

Instrument :

MSVOA_Y

ClientSampleId :

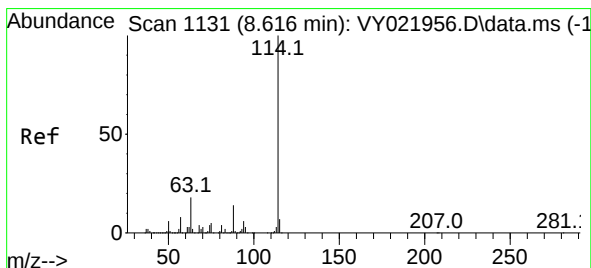
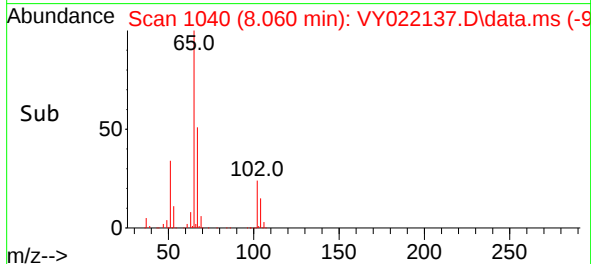
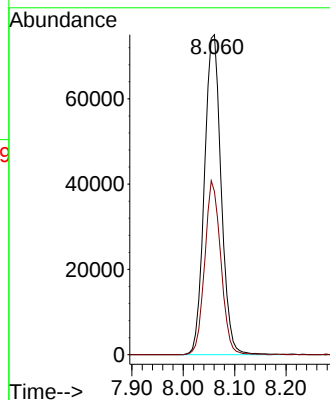
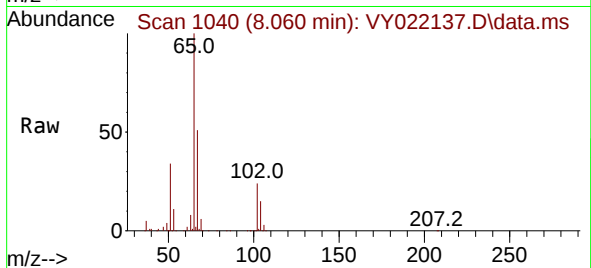
LARGE-PILE-B

Tgt Ion: 65 Resp: 169425

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022137.D

Acq: 02 May 2025 18:22

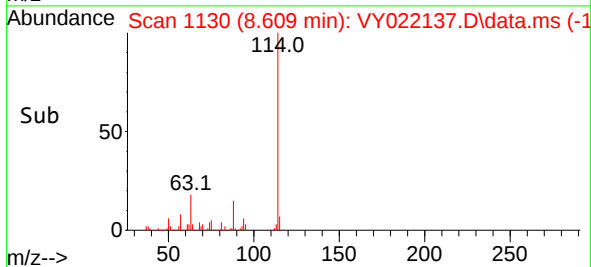
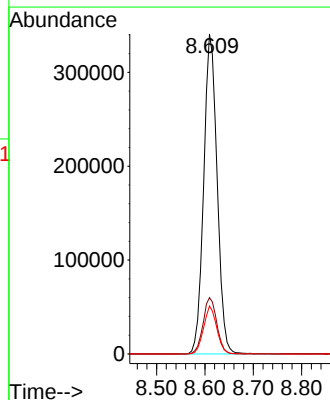
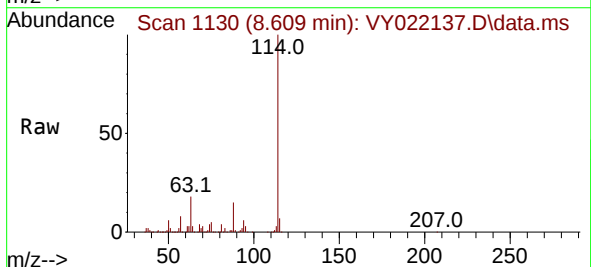
Tgt Ion: 114 Resp: 657538

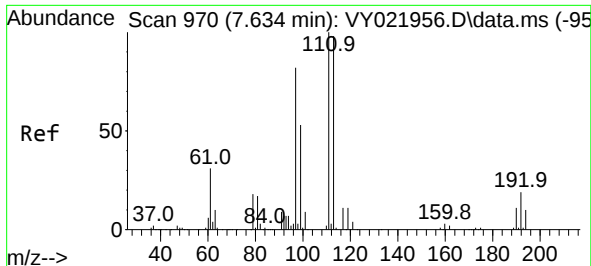
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

88 15.0 0.0 28.2

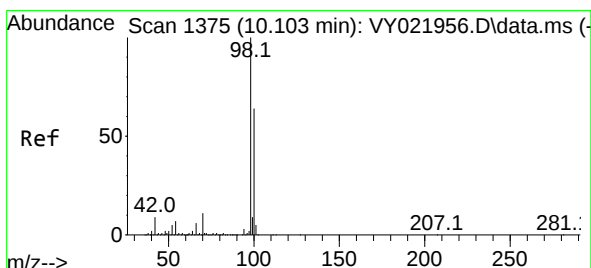
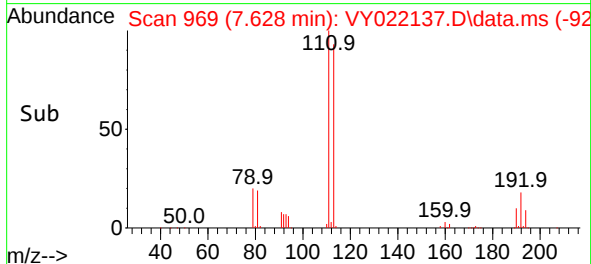
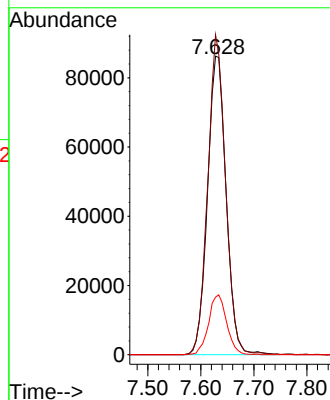
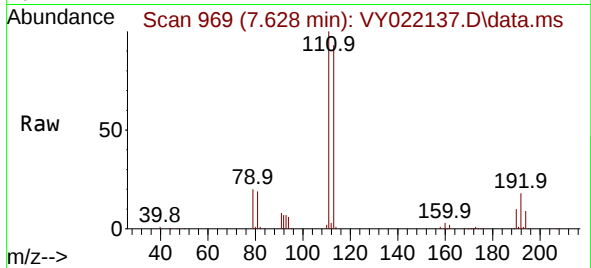




#35
Dibromofluoromethane
Concen: 48.507 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY022137.D
Acq: 02 May 2025 18:22

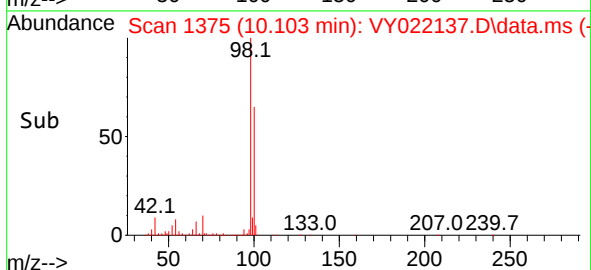
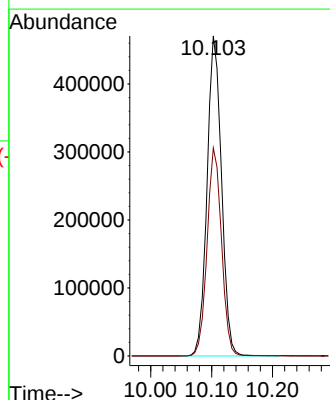
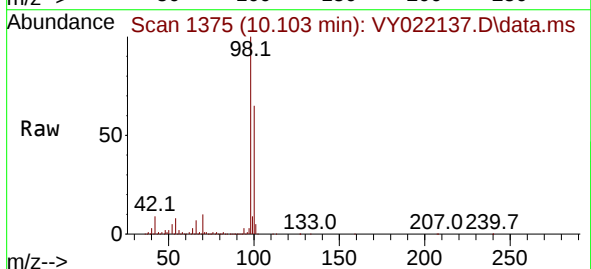
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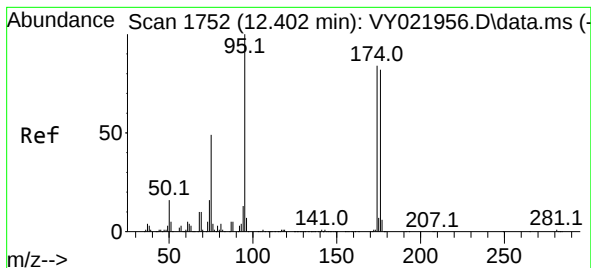
Tgt Ion:113 Resp: 210717
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.8
192 19.5 15.6 23.4



#50
Toluene-d8
Concen: 47.354 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022137.D
Acq: 02 May 2025 18:22

Tgt Ion: 98 Resp: 775520
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4

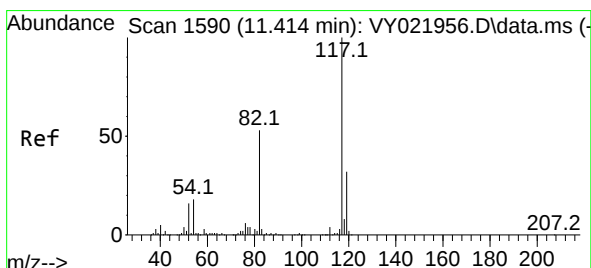
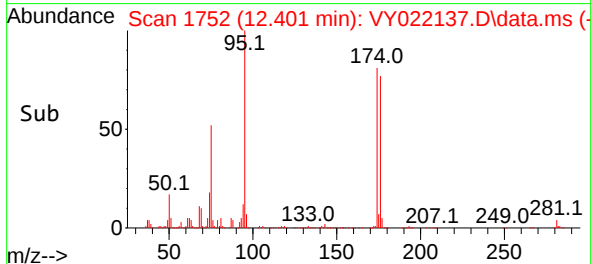
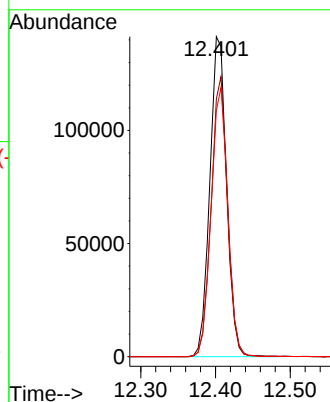
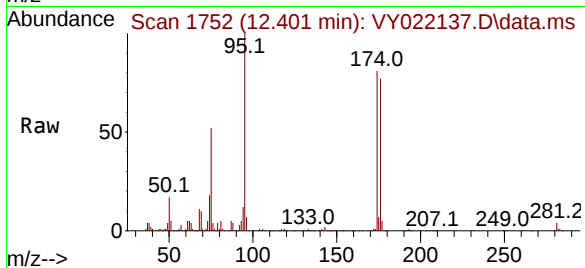




#62
4-Bromofluorobenzene
Concen: 39.850 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022137.D
Acq: 02 May 2025 18:22

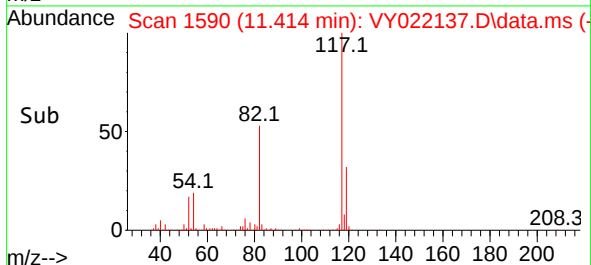
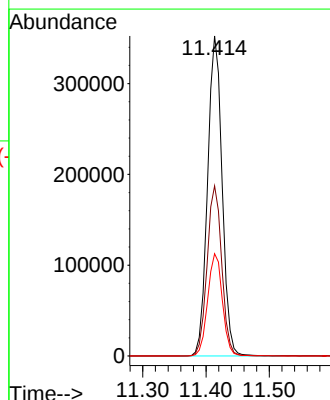
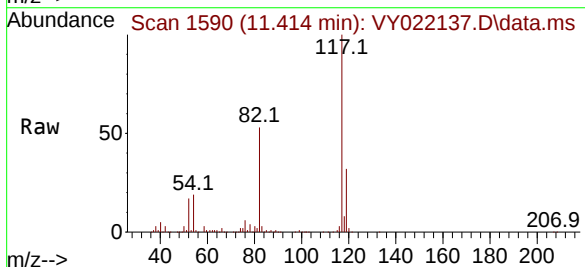
Instrument :
MSVOA_Y
ClientSampleId :
LARGE-PILE-B

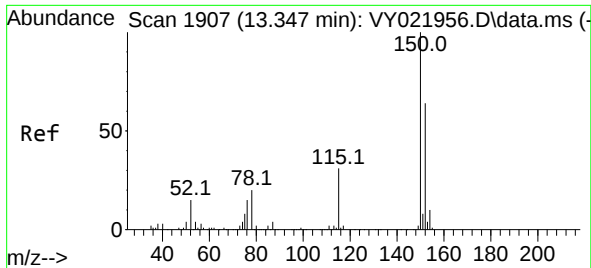
Tgt Ion: 95 Resp: 219702
Ion Ratio Lower Upper
95 100
174 86.5 0.0 179.0
176 83.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022137.D
Acq: 02 May 2025 18:22

Tgt Ion: 117 Resp: 562673
Ion Ratio Lower Upper
117 100
82 53.2 42.1 63.1
119 31.9 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022137.D
 Acq: 02 May 2025 18:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 LARGE-PILE-B

Tgt Ion:152 Resp: 213475
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.0 84.0
 150 155.8 0.0 345.6

