

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022843.D
 Acq On : 26 Jun 2025 12:33
 Operator : SY/MD
 Sample : Q2405-03RE
 Misc : 3.63g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-M/N-VOCRE

Quant Time: Jun 27 01:26:53 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)

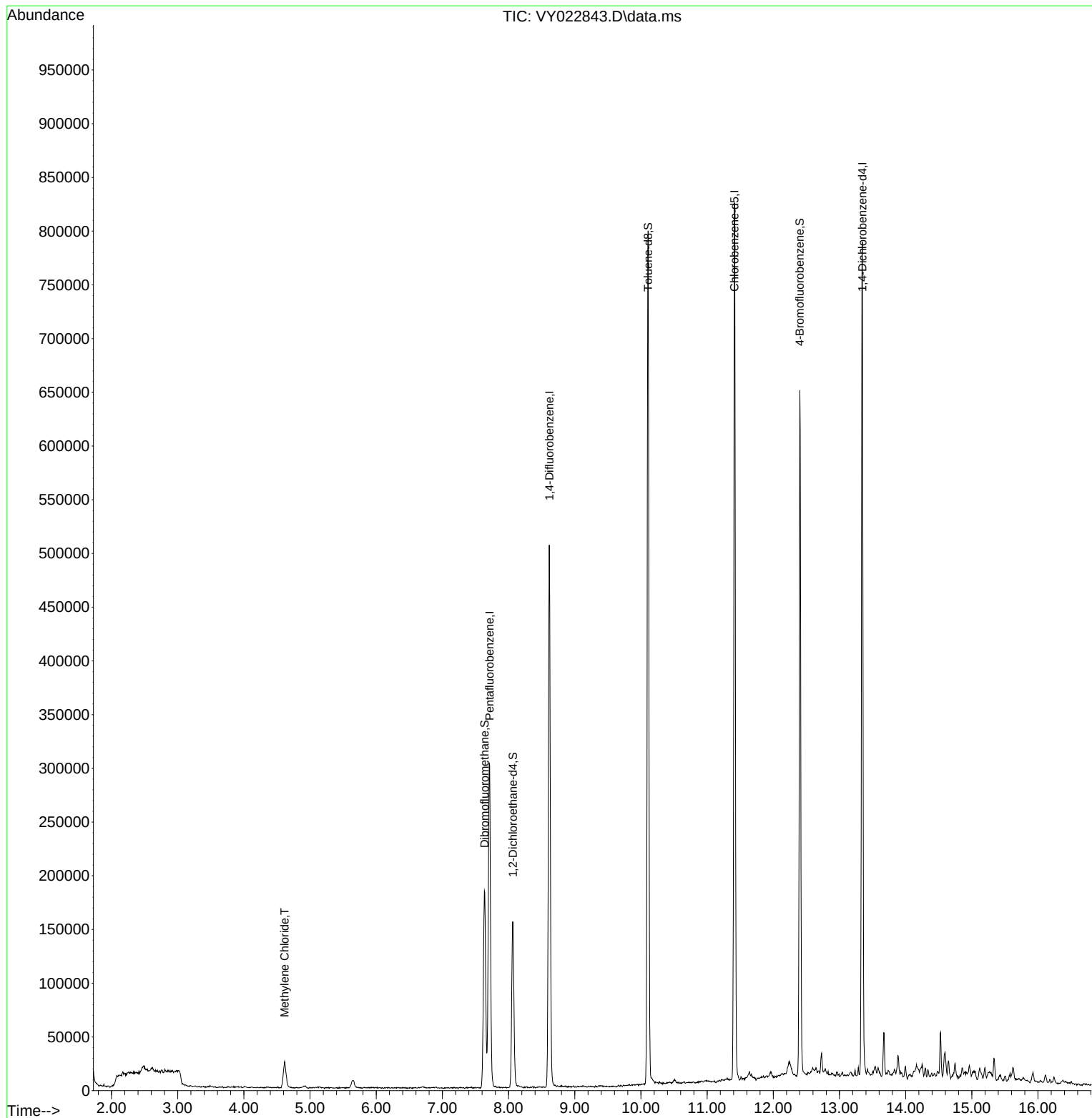
Internal Standards						
1) Pentafluorobenzene	7.713	168	233106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	429337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	412601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	187838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124051	47.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.360%
35) Dibromofluoromethane	7.640	113	130940	50.149	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.300%
50) Toluene-d8	10.109	98	518899	50.082	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.160%
62) 4-Bromofluorobenzene	12.401	95	188660	56.643	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.280%
Target Compounds						
20) Methylene Chloride	4.616	84	16126	5.193	ug/l	96

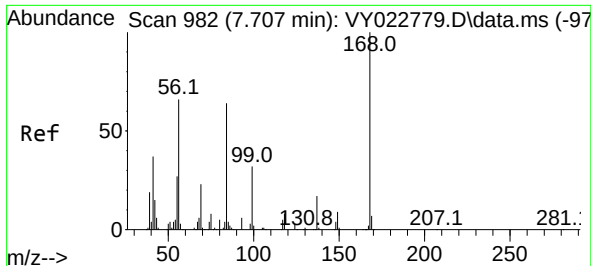
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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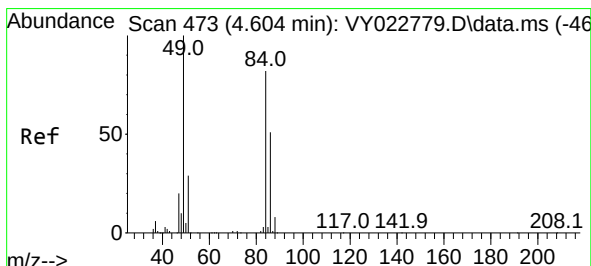
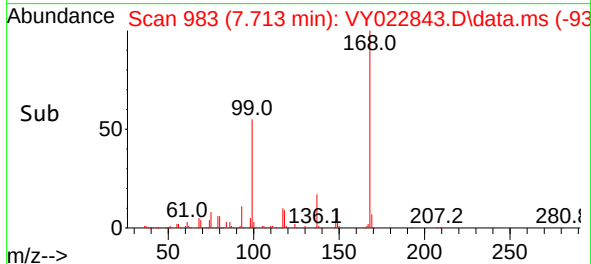
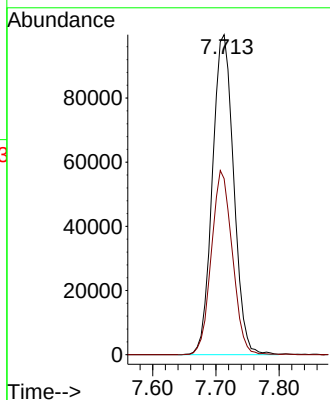
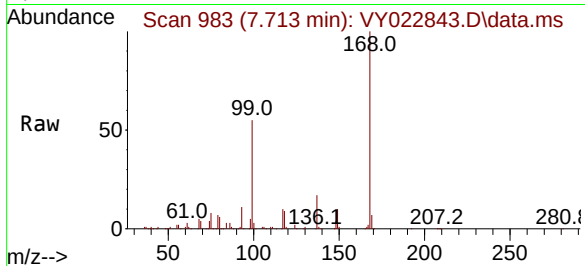




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022843.D
Acq: 26 Jun 2025 12:33

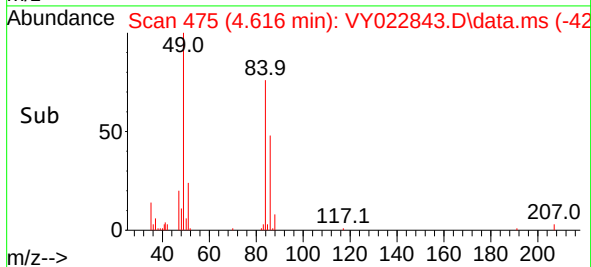
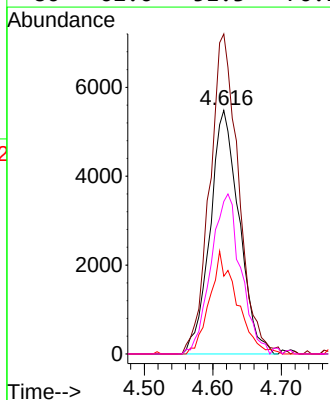
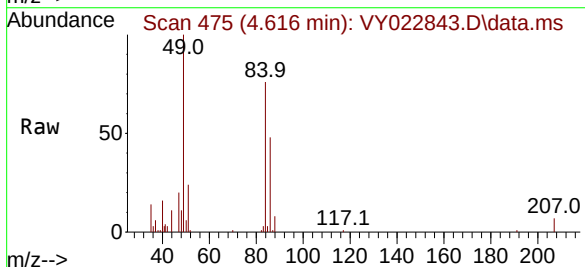
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOCRE

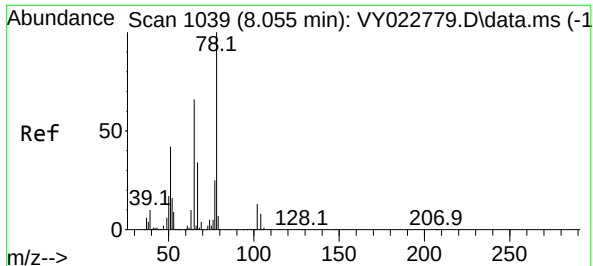
Tgt Ion:168 Resp: 233106
Ion Ratio Lower Upper
168 100
99 55.0 44.3 66.5



#20
Methylene Chloride
Concen: 5.193 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022843.D
Acq: 26 Jun 2025 12:33

Tgt Ion: 84 Resp: 16126
Ion Ratio Lower Upper
84 100
49 131.4 101.9 152.9
51 32.0 29.8 44.8
86 62.6 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 47.681 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022843.D

Acq: 26 Jun 2025 12:33

Instrument :

MSVOA_Y

ClientSampleId :

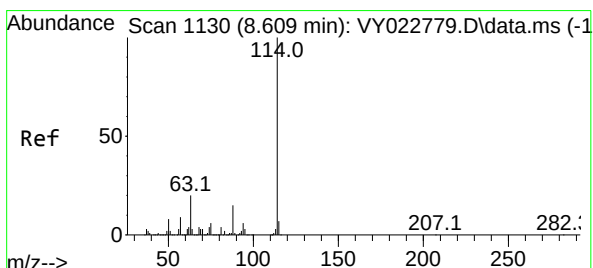
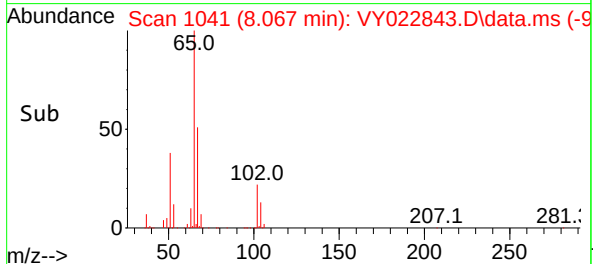
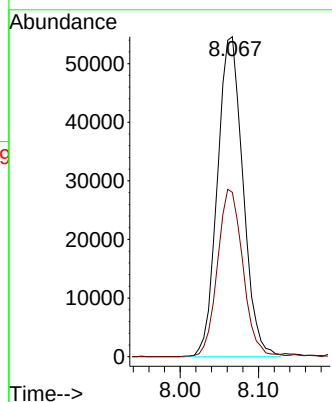
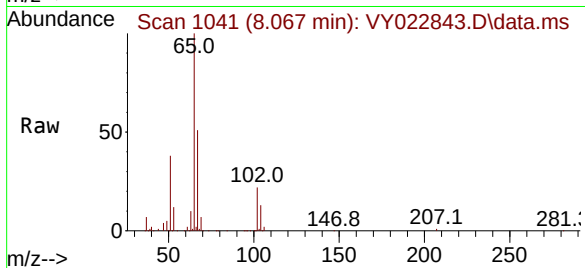
MH-M/N-VOCRE

Tgt Ion: 65 Resp: 124051

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022843.D

Acq: 26 Jun 2025 12:33

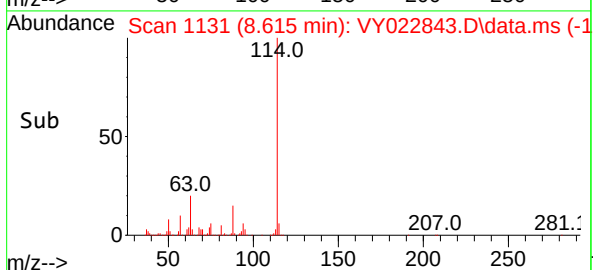
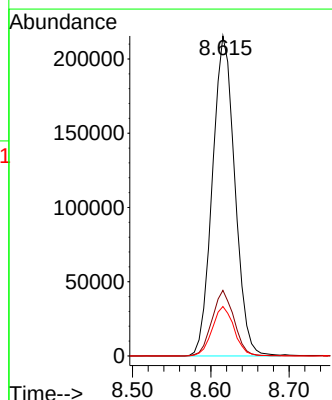
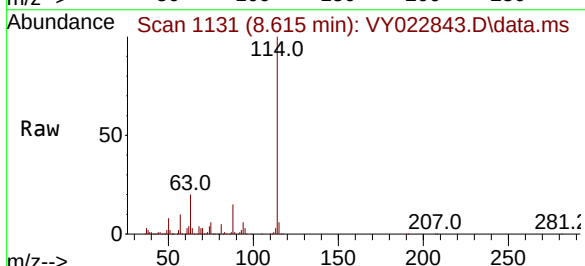
Tgt Ion:114 Resp: 429337

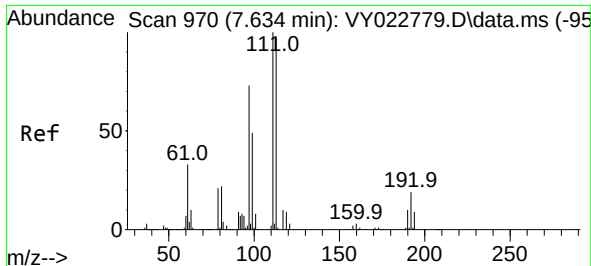
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.5 0.0 27.8

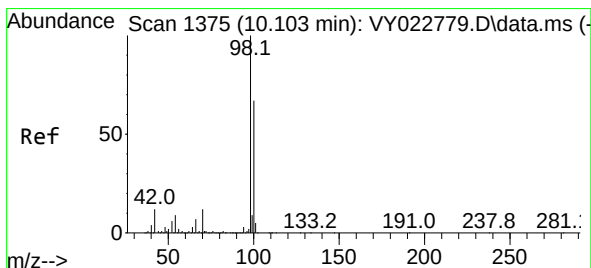
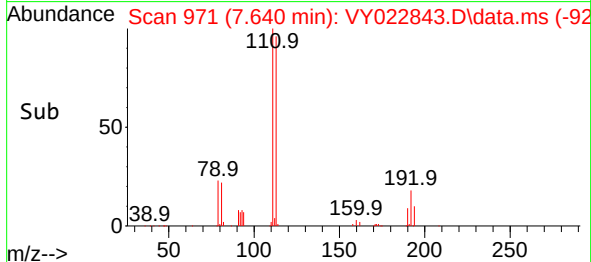
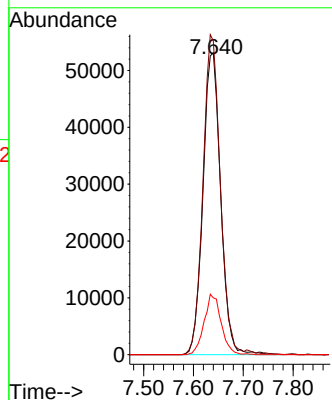
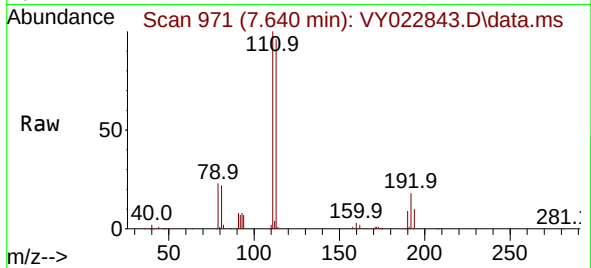




#35
Dibromofluoromethane
Concen: 50.149 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022843.D
Acq: 26 Jun 2025 12:33

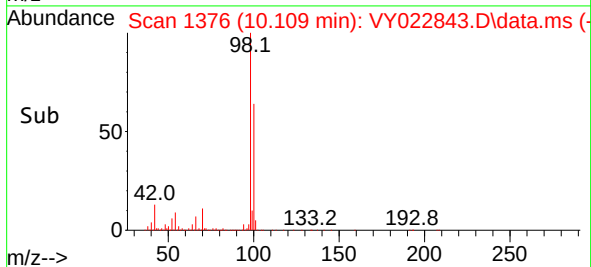
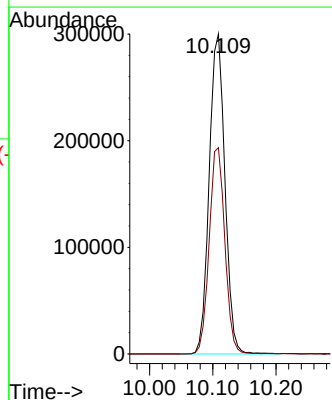
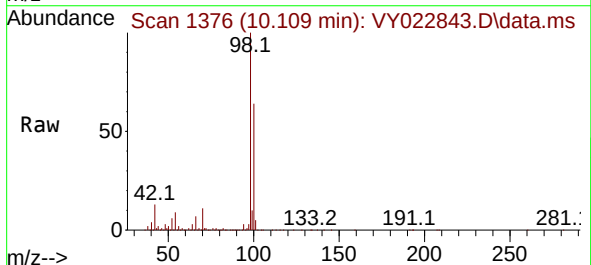
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOCRE

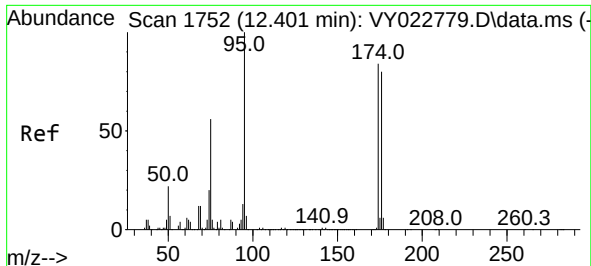
Tgt Ion:113 Resp: 130940
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 19.2 14.2 21.2



#50
Toluene-d8
Concen: 50.082 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022843.D
Acq: 26 Jun 2025 12:33

Tgt Ion: 98 Resp: 518899
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

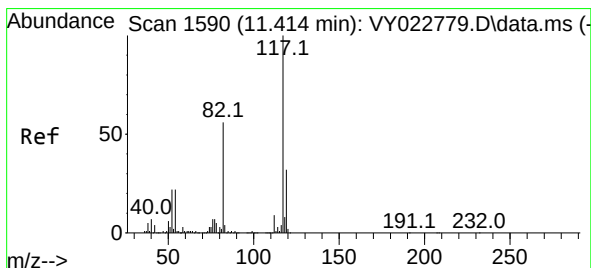
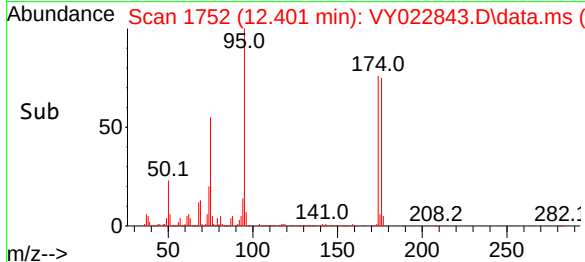
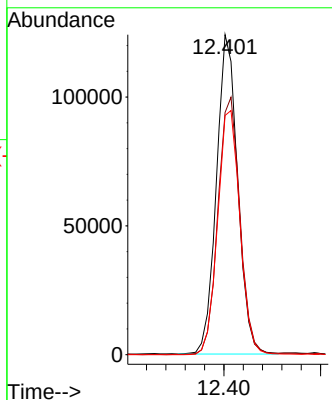
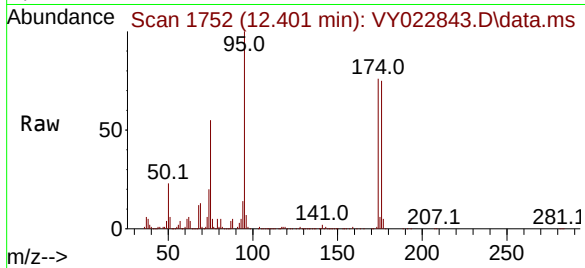




#62
4-Bromofluorobenzene
Concen: 56.643 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022843.D
Acq: 26 Jun 2025 12:33

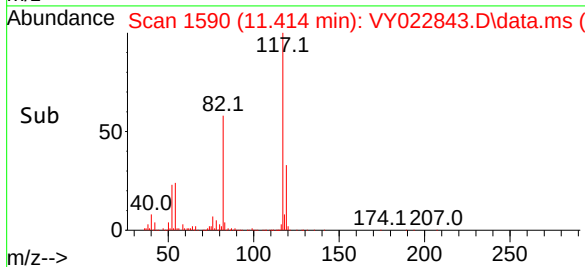
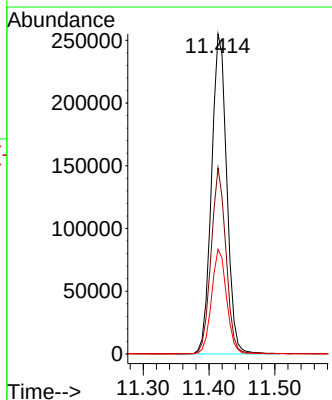
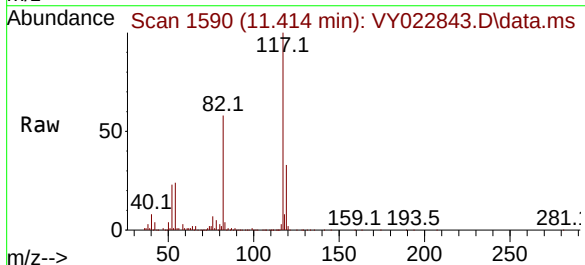
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOCRE

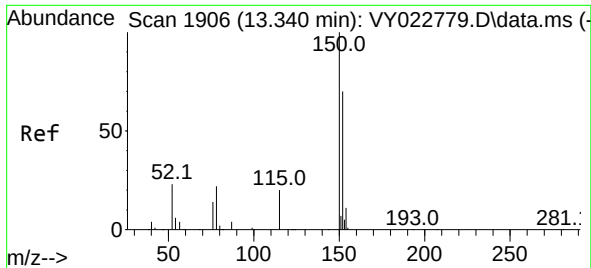
Tgt Ion: 95 Resp: 188660
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.0
176 80.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022843.D
Acq: 26 Jun 2025 12:33

Tgt Ion: 117 Resp: 412601
Ion Ratio Lower Upper
117 100
82 58.1 44.6 66.8
119 32.7 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: VY022843.D
 Acq: 26 Jun 2025 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-M/N-VOCRE

Tgt Ion:152 Resp: 187838
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.9 86.7
 150 159.8 0.0 349.6

