

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023460.D
 Acq On : 14 Oct 2025 14:28
 Operator : SY/MD
 Sample : Q3341-01
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-1

Quant Time: Oct 15 03:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

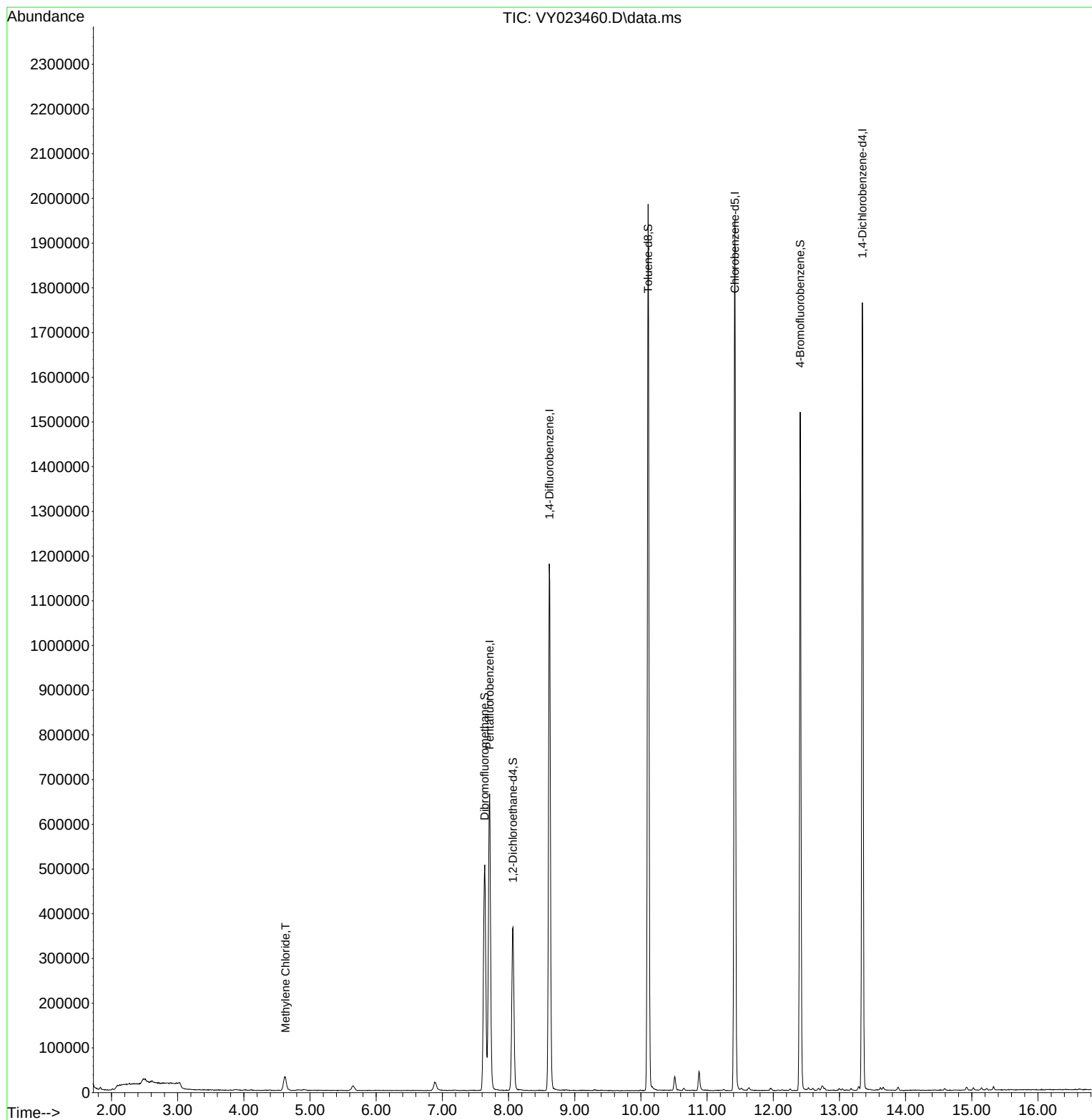
Internal Standards						
1) Pentafluorobenzene	7.713	168	550557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1073471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1115279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	474493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	291839	63.390	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.780%
35) Dibromofluoromethane	7.640	113	365588	55.426	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.860%
50) Toluene-d8	10.109	98	1302826	53.038	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.080%
62) 4-Bromofluorobenzene	12.408	95	443979	54.746	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.500%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.629	84	25301	4.269	ug/l	93

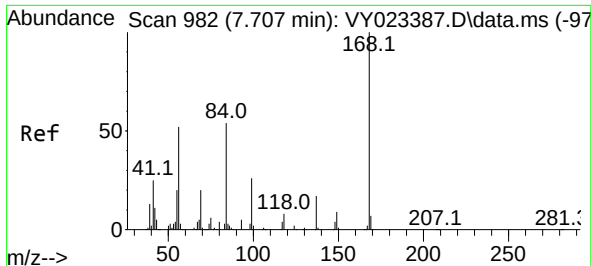
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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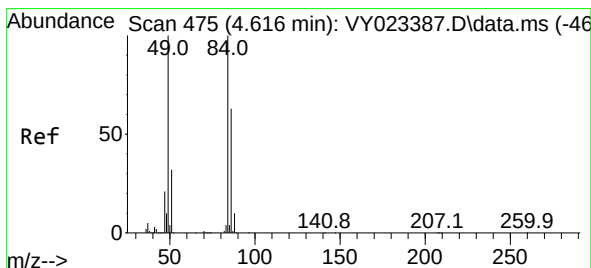
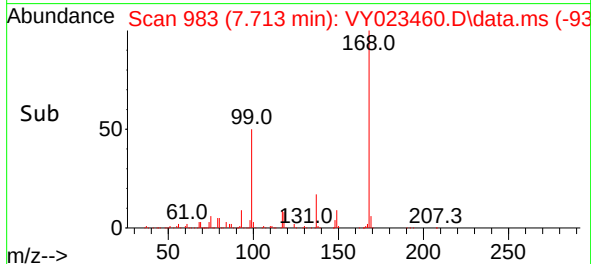
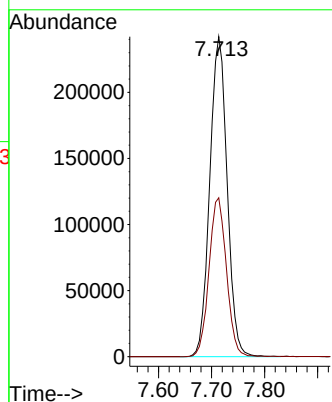
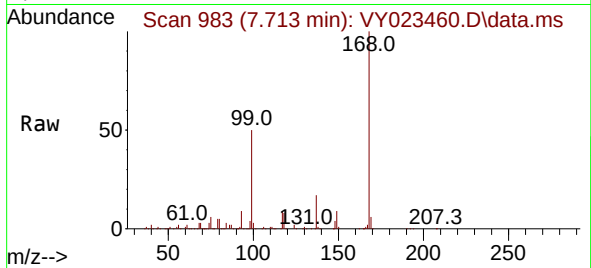




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

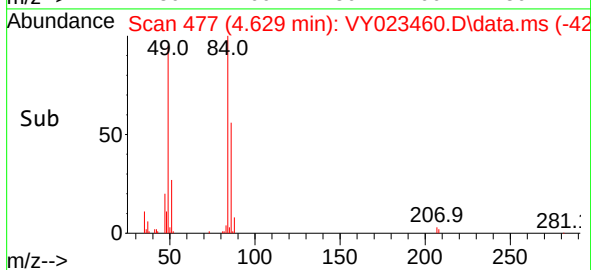
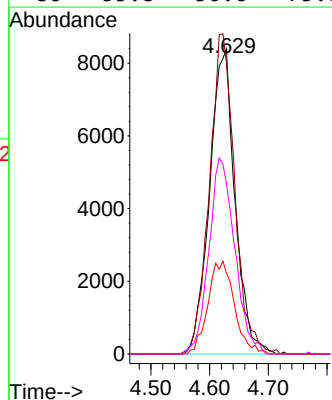
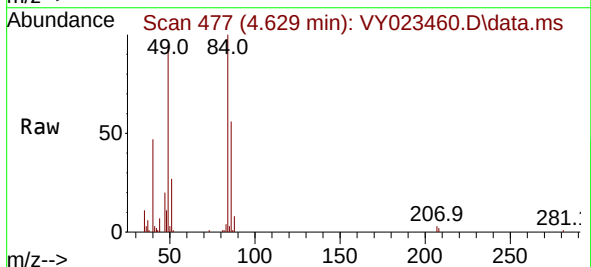
Instrument :
MSVOA_Y
ClientSampleId :
C-1

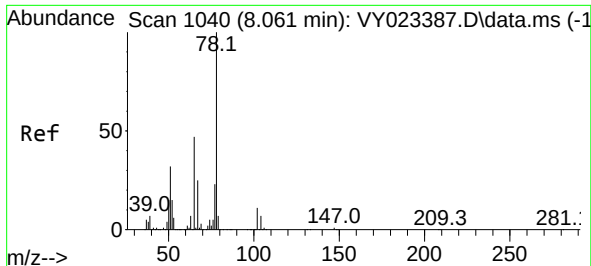
Tgt Ion:168 Resp: 550557
Ion Ratio Lower Upper
168 100
99 49.7 39.7 59.5



#20
Methylene Chloride
Concen: 4.269 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

Tgt Ion: 84 Resp: 25301
Ion Ratio Lower Upper
84 100
49 95.3 80.2 120.4
51 26.5 25.9 38.9
86 55.8 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 63.390 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. 0.006 min

Lab File: VY023460.D

Acq: 14 Oct 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

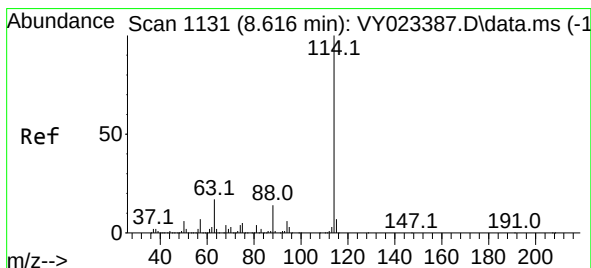
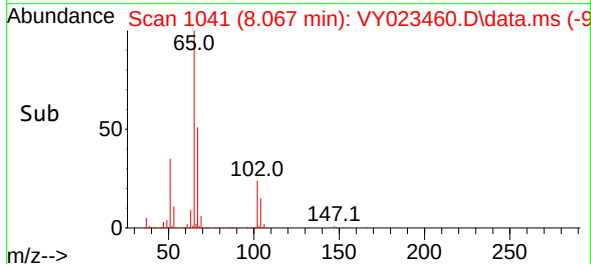
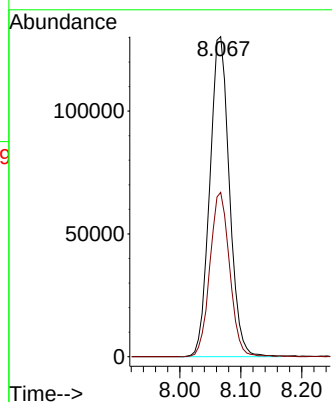
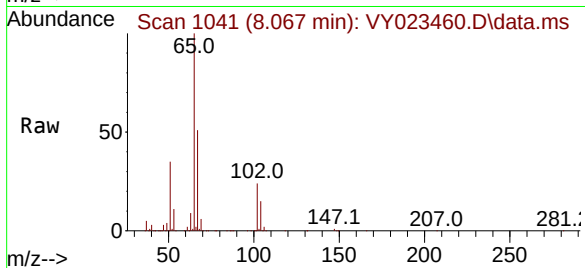
C-1

Tgt Ion: 65 Resp: 291839

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023460.D

Acq: 14 Oct 2025 14:28

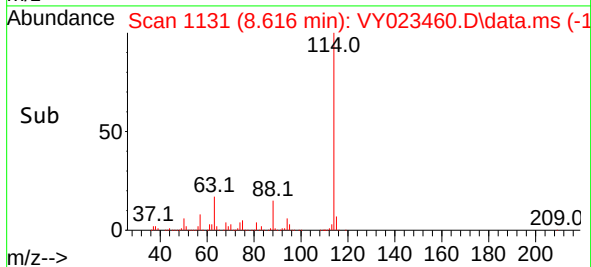
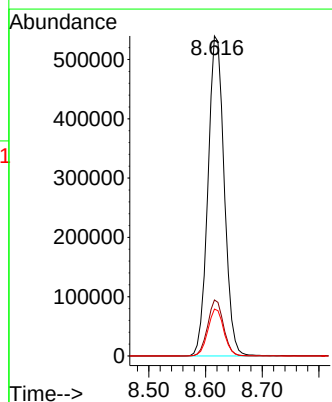
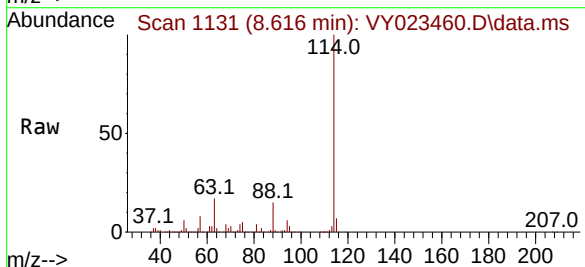
Tgt Ion: 114 Resp: 1073471

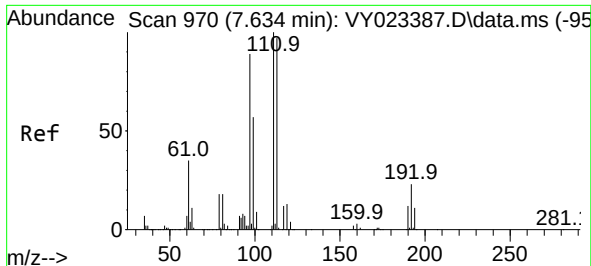
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.6 0.0 28.4

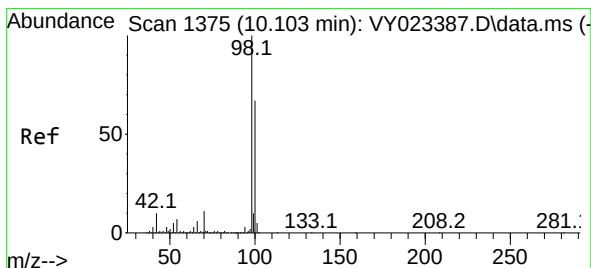
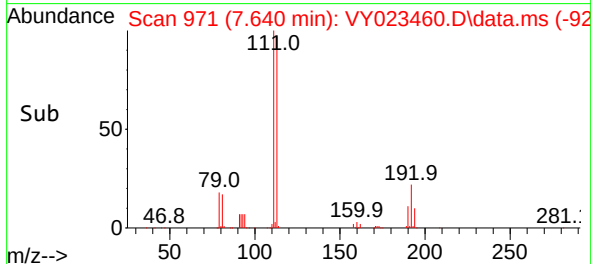
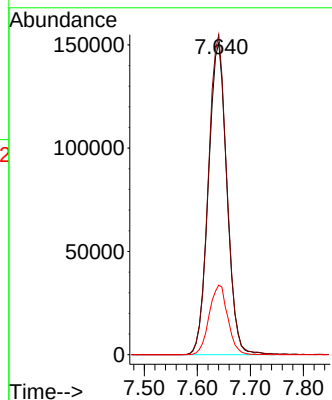
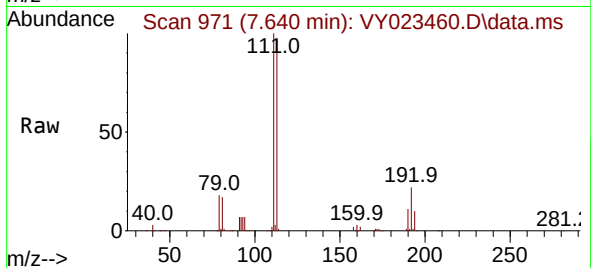




#35
Dibromofluoromethane
Concen: 55.426 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

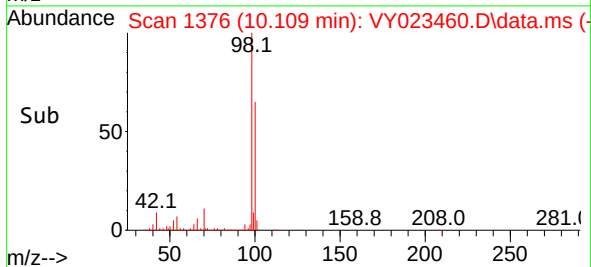
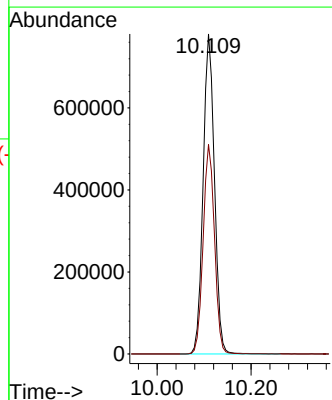
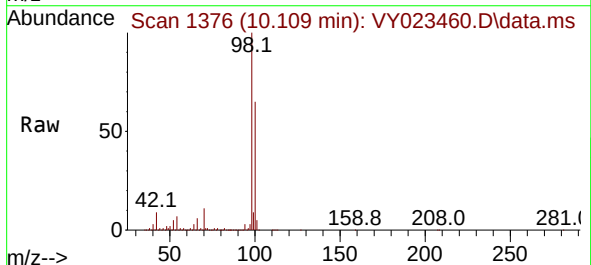
Instrument :
MSVOA_Y
ClientSampleId :
C-1

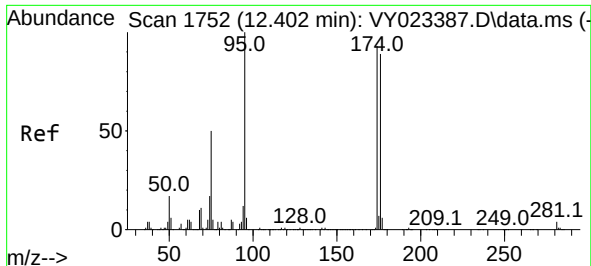
Tgt Ion:113 Resp: 365588
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 22.4 18.0 27.0



#50
Toluene-d8
Concen: 53.038 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

Tgt Ion: 98 Resp: 1302826
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4

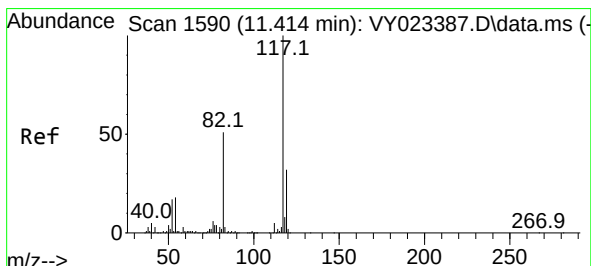
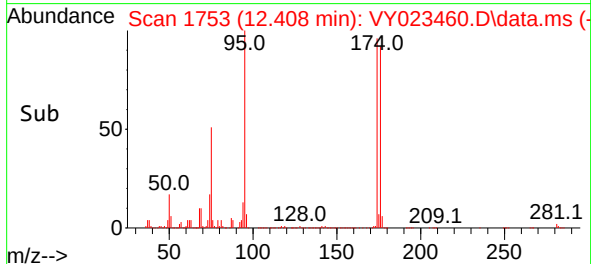
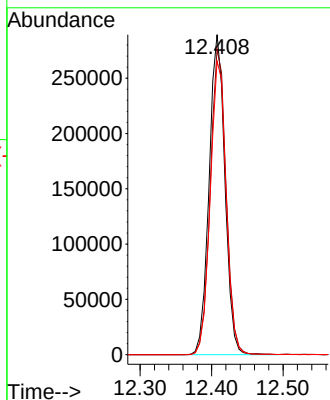
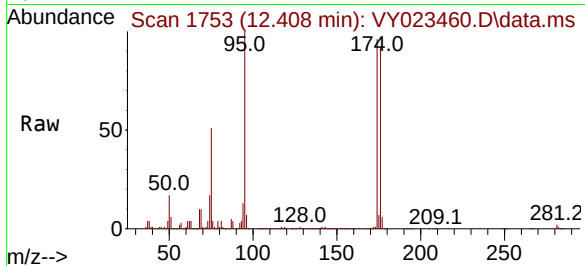




#62
4-Bromofluorobenzene
Concen: 54.746 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

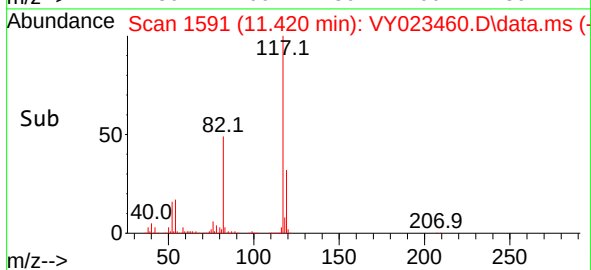
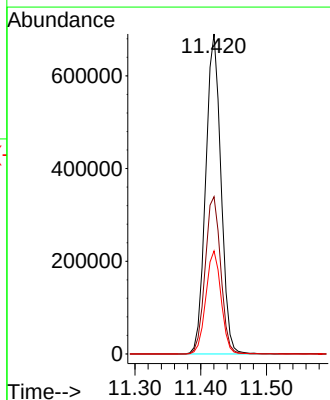
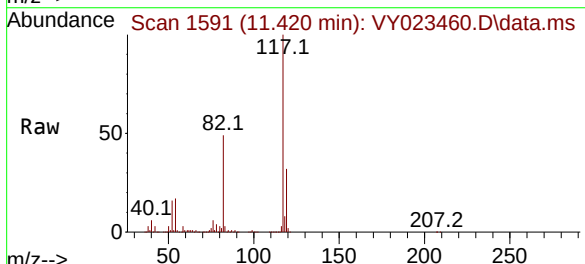
Instrument :
MSVOA_Y
ClientSampleId :
C-1

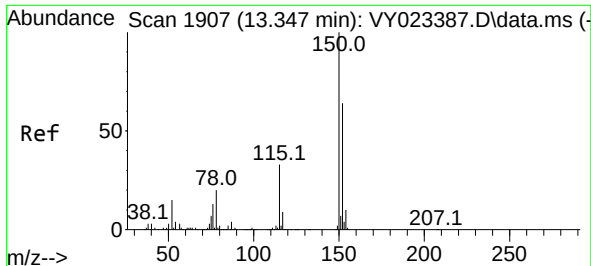
Tgt Ion: 95 Resp: 443979
Ion Ratio Lower Upper
95 100
174 96.1 0.0 192.8
176 92.3 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

Tgt Ion: 117 Resp: 1115279
Ion Ratio Lower Upper
117 100
82 49.2 41.0 61.4
119 32.2 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023460.D
 Acq: 14 Oct 2025 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-1

Tgt Ion:152 Resp: 474493
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.1 81.2
 150 157.9 0.0 347.4

