

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023402.D
 Acq On : 08 Oct 2025 12:58
 Operator : SY/MD
 Sample : Q3305-01
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-100725

Quant Time: Oct 09 03:12:12 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)

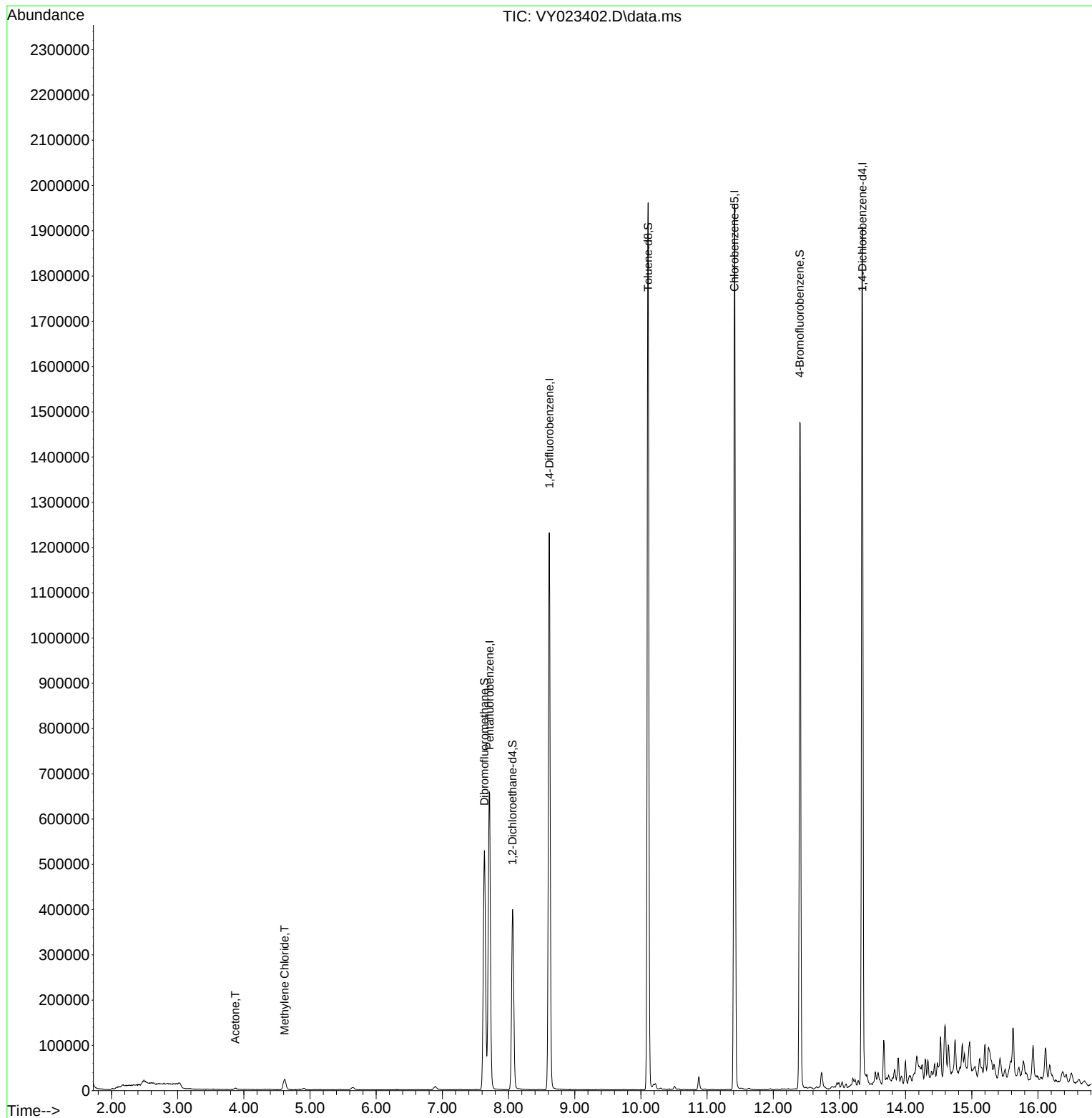
Internal Standards						
1) Pentafluorobenzene	7.713	168	555697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1096921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1094909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	515907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	315997	68.003	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.000%
35) Dibromofluoromethane	7.634	113	372327	55.241	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.480%
50) Toluene-d8	10.109	98	1310669	52.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.440%
62) 4-Bromofluorobenzene	12.402	95	445073	53.708	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.420%
Target Compounds						
16) Acetone	3.873	43	5663	5.119	ug/l #	86
20) Methylene Chloride	4.616	84	18496	3.092	ug/l	94

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

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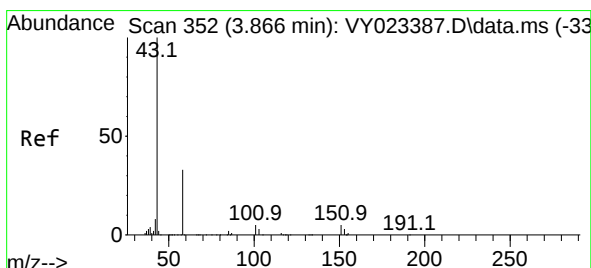
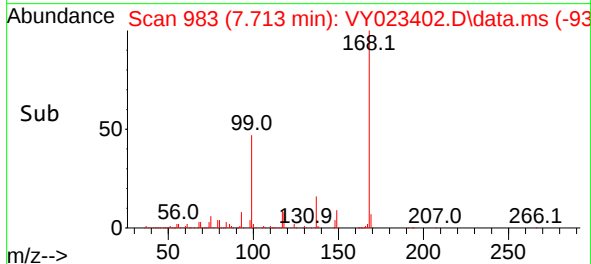
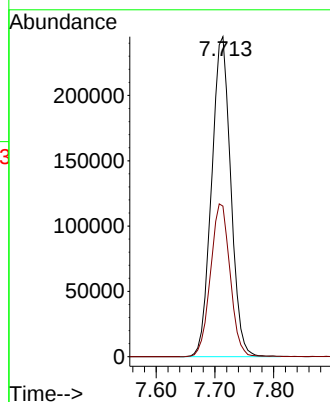
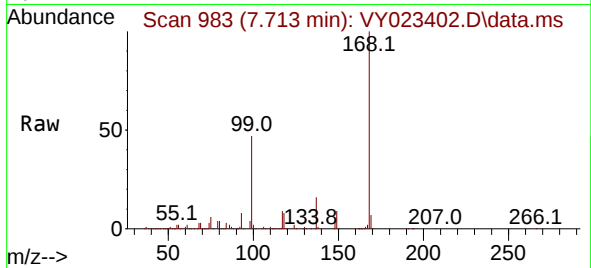




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

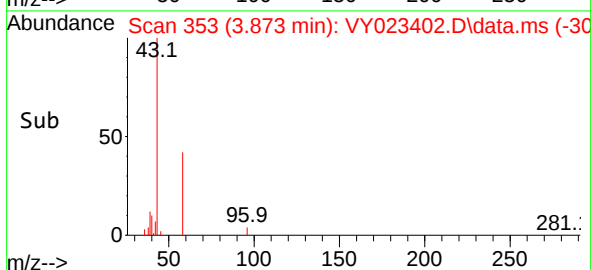
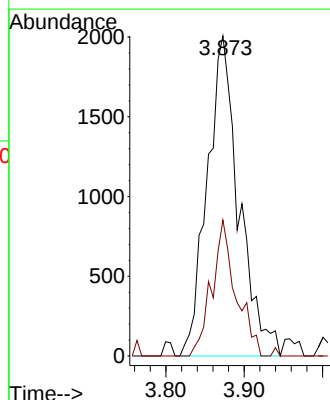
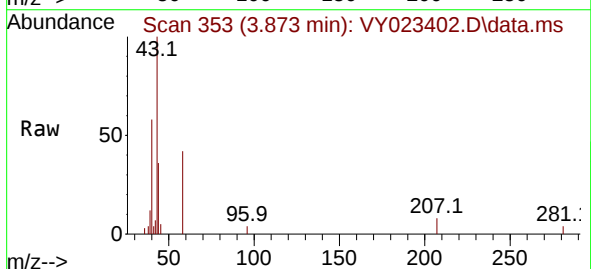
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-100725

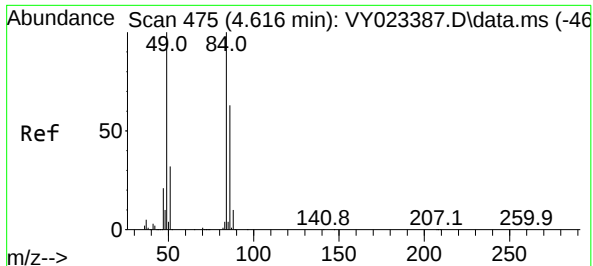
Tgt Ion:168 Resp: 555697
Ion Ratio Lower Upper
168 100
99 47.0 39.7 59.5



#16
Acetone
Concen: 5.119 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Tgt Ion: 43 Resp: 5663
Ion Ratio Lower Upper
43 100
58 42.5 27.7 41.5#





#20

Methylene Chloride

Concen: 3.092 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY023402.D

Acq: 08 Oct 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-100725

Tgt Ion: 84 Resp: 18496

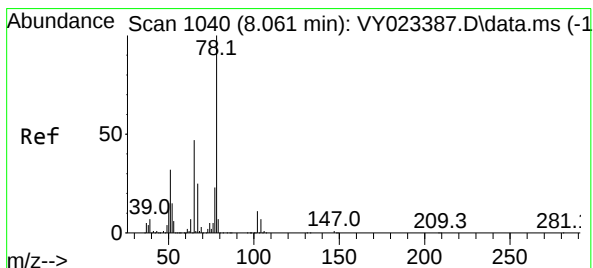
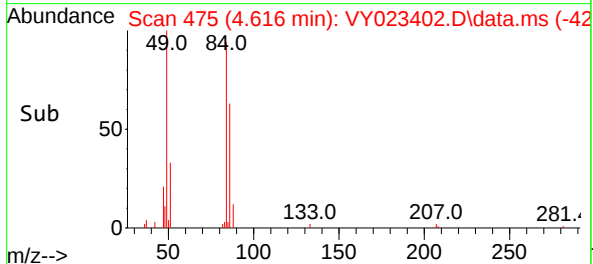
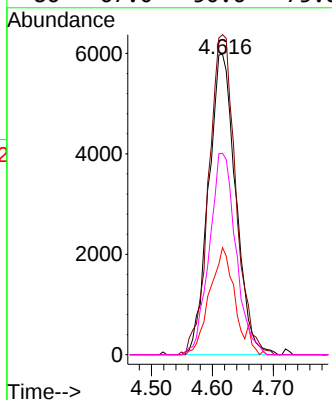
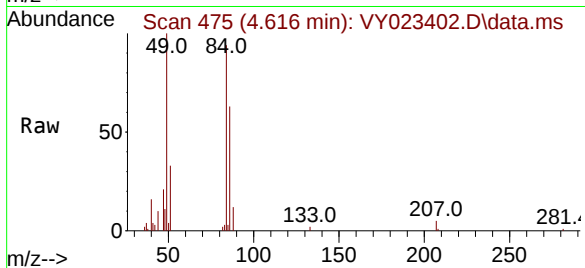
Ion Ratio Lower Upper

84 100

49 106.5 80.2 120.4

51 35.6 25.9 38.9

86 67.0 50.6 75.8



#33

1,2-Dichloroethane-d4

Concen: 68.003 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023402.D

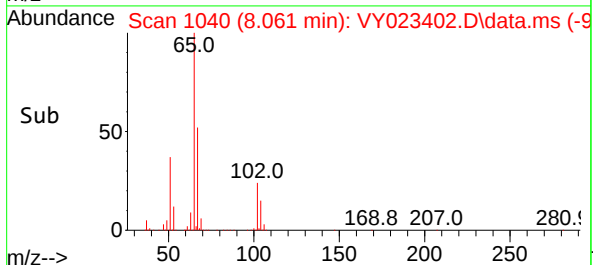
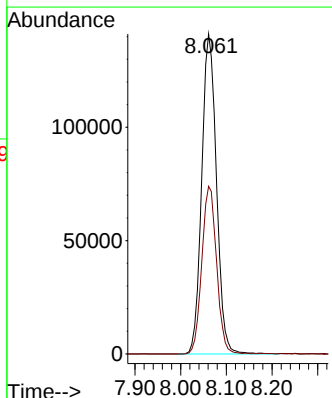
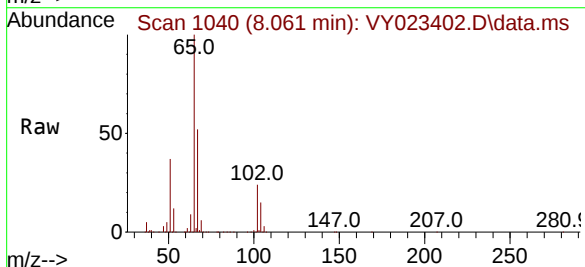
Acq: 08 Oct 2025 12:58

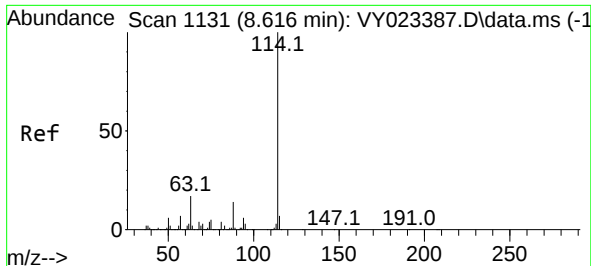
Tgt Ion: 65 Resp: 315997

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.8

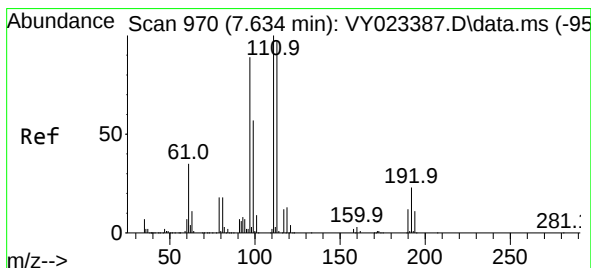
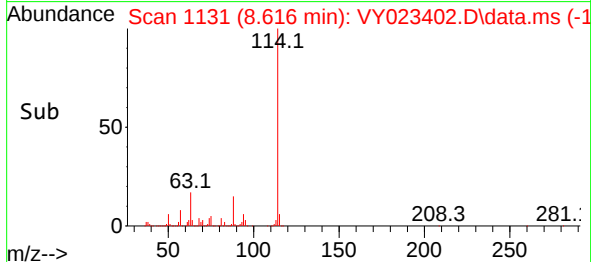
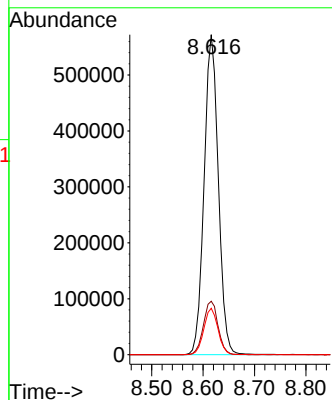
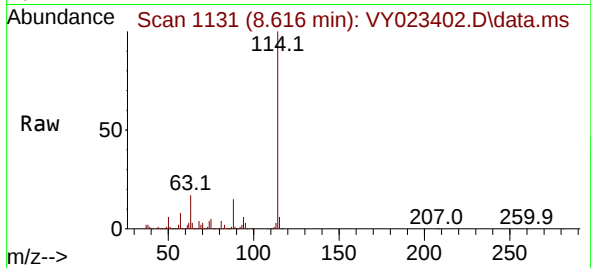




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

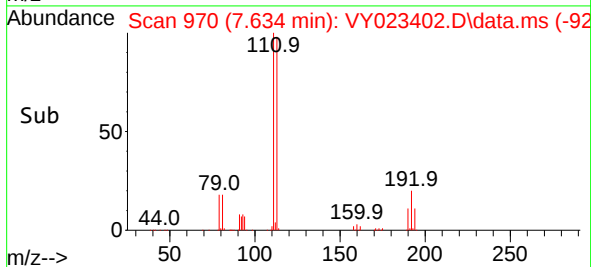
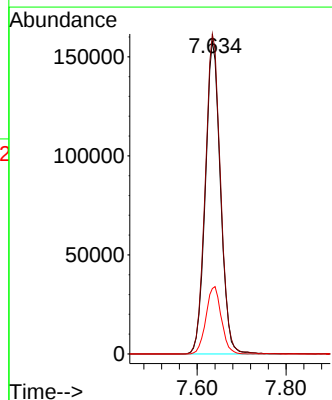
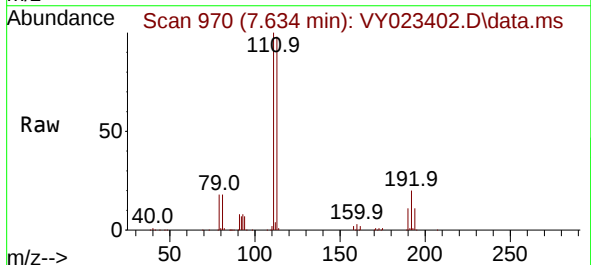
Instrument :
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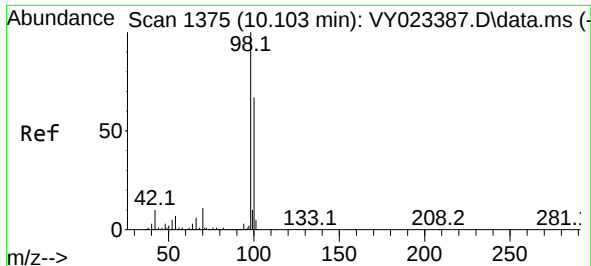
Tgt Ion:114 Resp: 1096921
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 55.241 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Tgt Ion:113 Resp: 372327
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.6
192 22.0 18.0 27.0

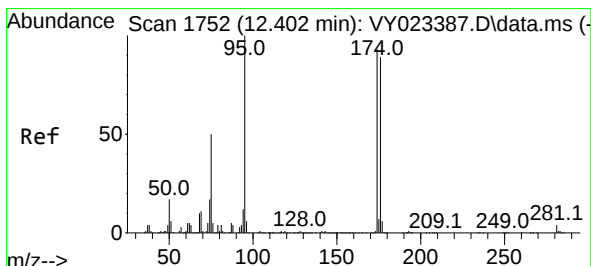
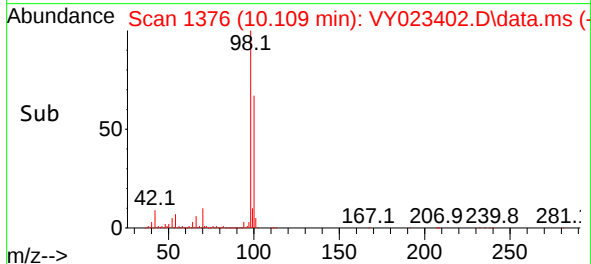
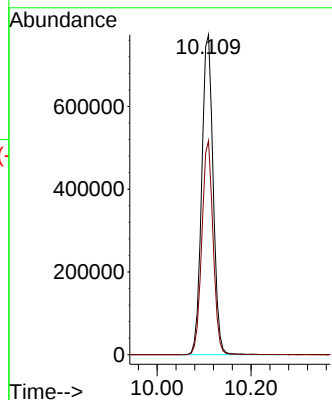
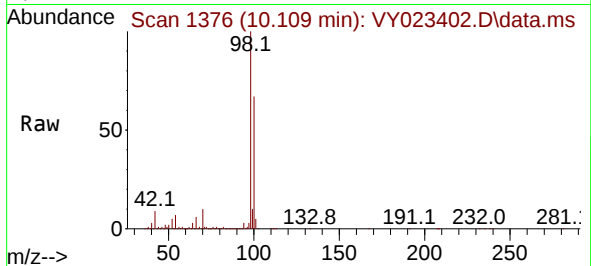




#50
Toluene-d8
Concen: 52.217 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

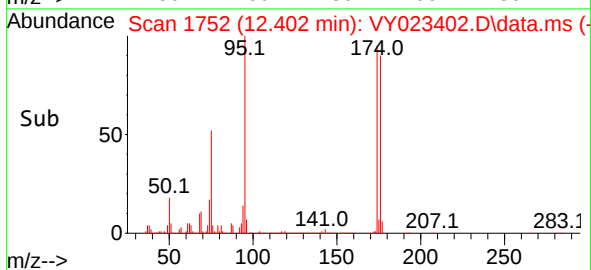
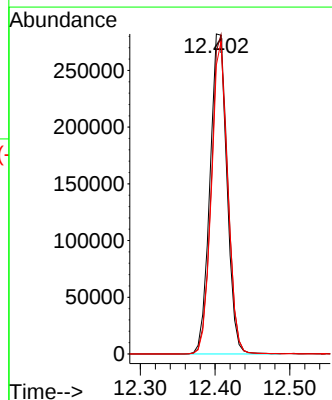
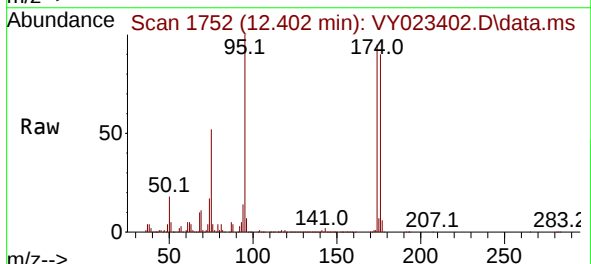
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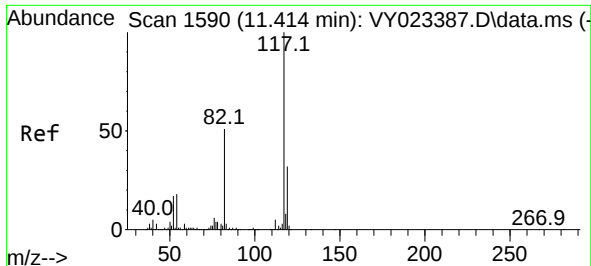
Tgt Ion: 98 Resp: 1310669
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.708 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Tgt Ion: 95 Resp: 445073
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 93.5 0.0 187.6

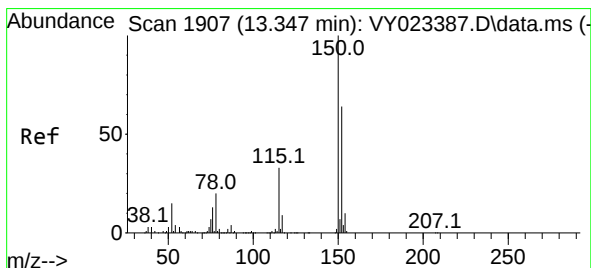
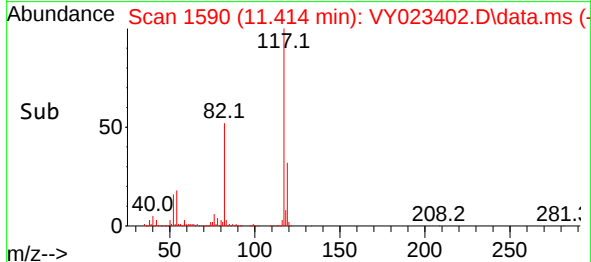
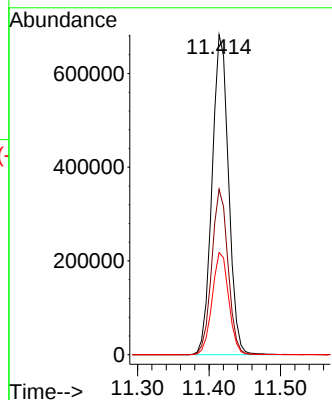
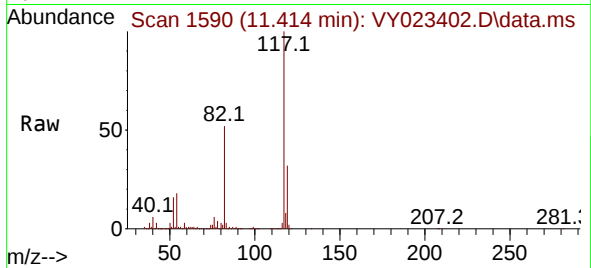




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023402.D
Acq: 08 Oct 2025 12:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-100725

Tgt Ion:117 Resp: 1094909
Ion Ratio Lower Upper
117 100
82 51.7 41.0 61.4
119 31.9 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: VY023402.D
Acq: 08 Oct 2025 12:58

Tgt Ion:152 Resp: 515907
Ion Ratio Lower Upper
152 100
115 54.7 27.1 81.2
150 156.5 0.0 347.4

