

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023430.D
 Acq On : 10 Oct 2025 11:42
 Operator : SY/MD
 Sample : Q3304-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-100725

Quant Time: Oct 10 15:36:51 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)

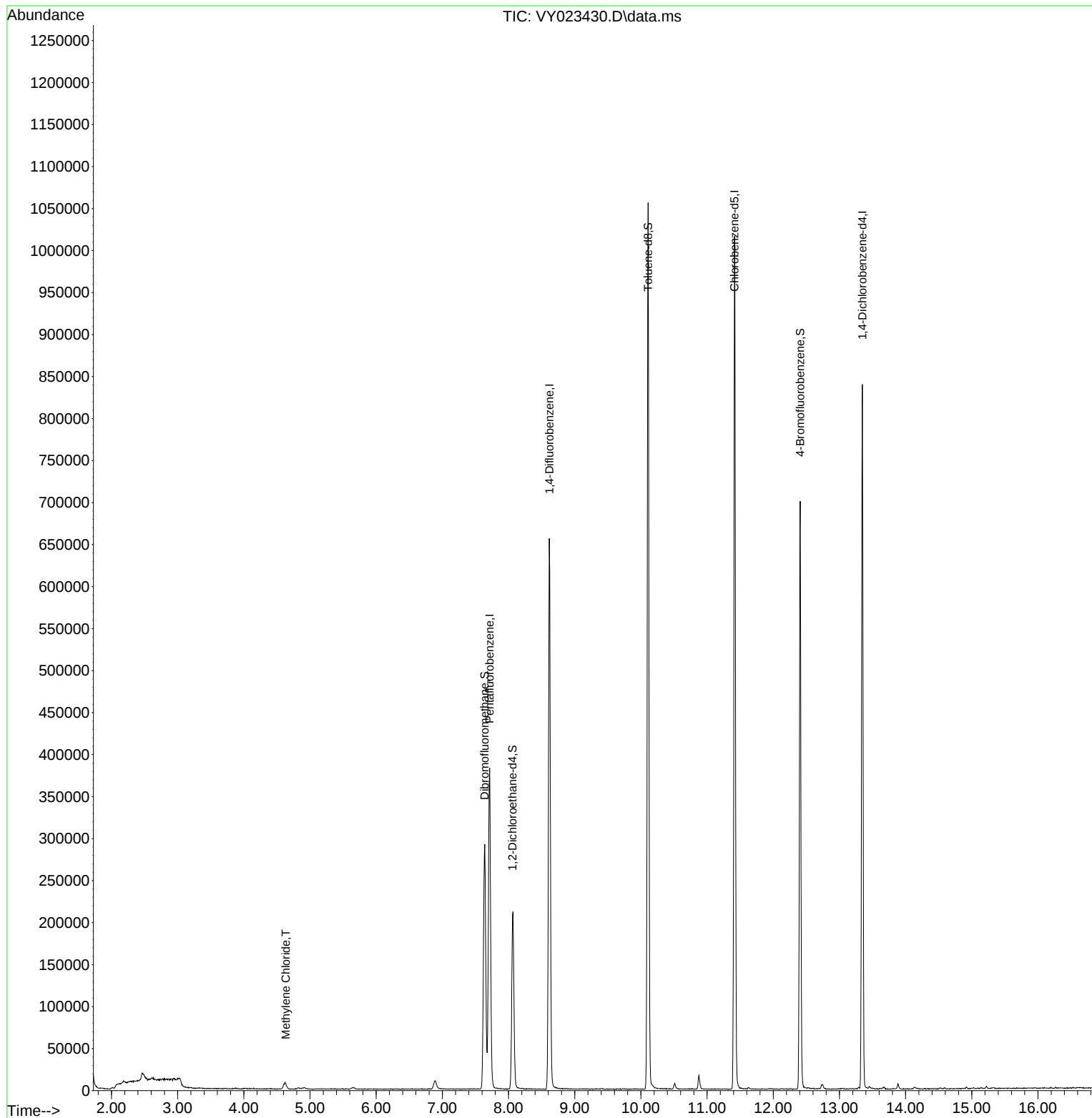
Internal Standards						
1) Pentafluorobenzene	7.713	168	316709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	590570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	572981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	222842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169434	63.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.960%	
35) Dibromofluoromethane	7.640	113	208624	57.492	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.980%	
50) Toluene-d8	10.109	98	710211	52.554	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.100%	
62) 4-Bromofluorobenzene	12.408	95	210727	47.231	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.460%	
Target Compounds						
20) Methylene Chloride	4.635	84	5753	1.687	ug/l	# 90

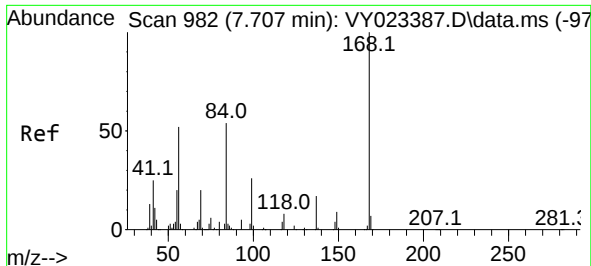
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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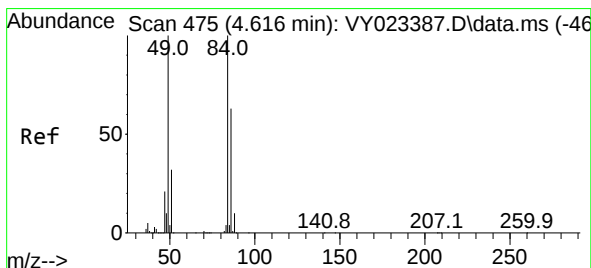
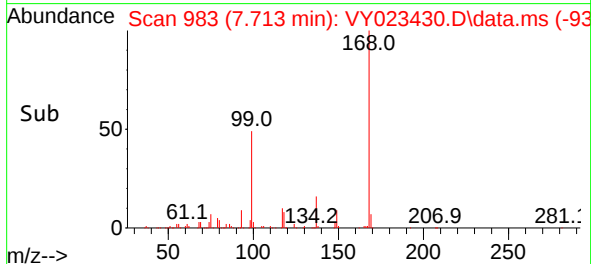
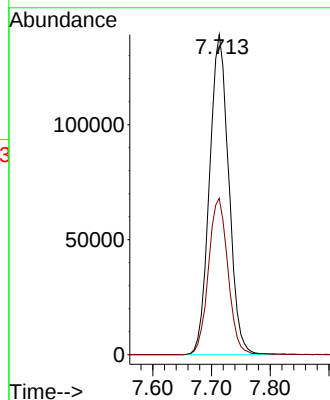
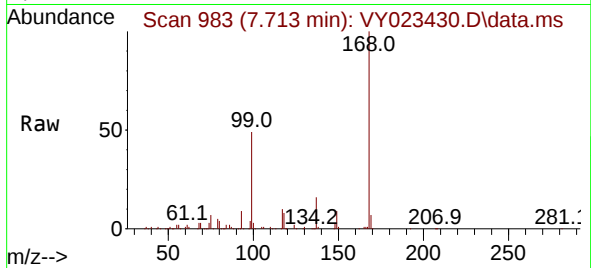




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023430.D
Acq: 10 Oct 2025 11:42

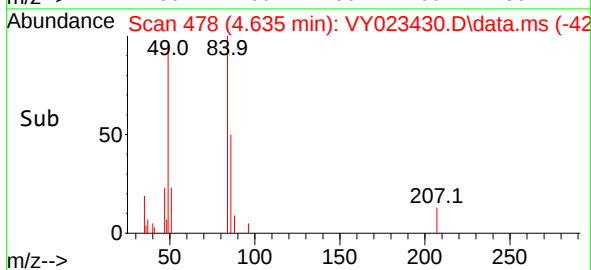
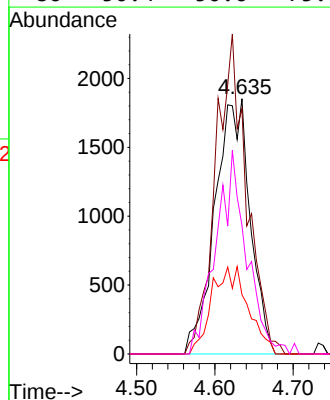
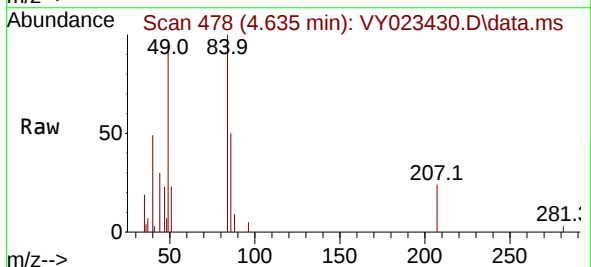
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-100725

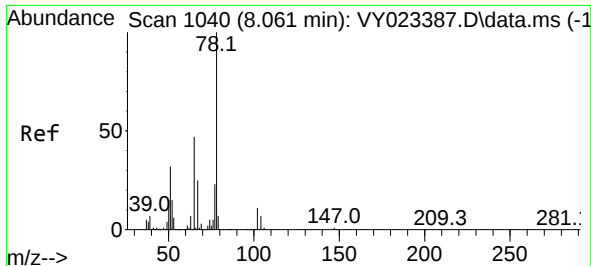
Tgt Ion:168 Resp: 316709
Ion Ratio Lower Upper
168 100
99 48.9 39.7 59.5



#20
Methylene Chloride
Concen: 1.687 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.018 min
Lab File: VY023430.D
Acq: 10 Oct 2025 11:42

Tgt Ion: 84 Resp: 5753
Ion Ratio Lower Upper
84 100
49 96.1 80.2 120.4
51 23.2 25.9 38.9#
86 50.4 50.6 75.8#





#33

1,2-Dichloroethane-d4

Concen: 63.977 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023430.D

Acq: 10 Oct 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

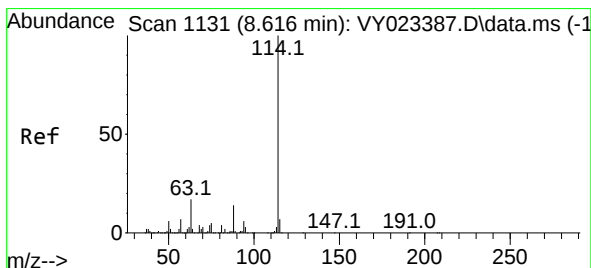
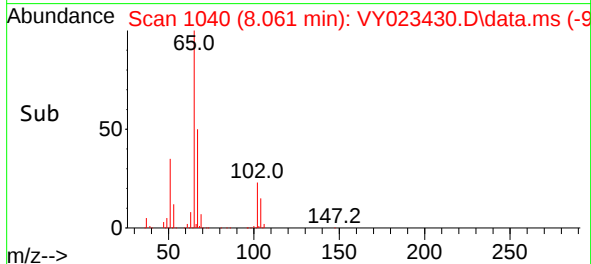
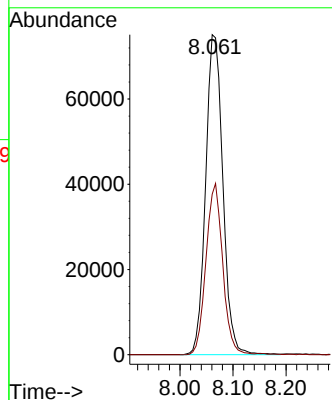
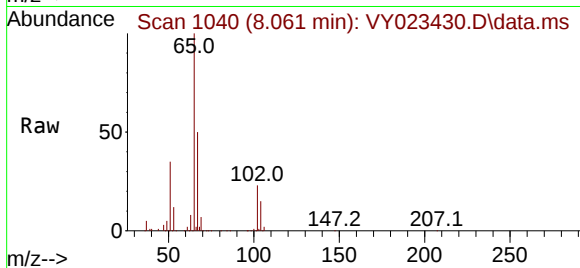
TR-05-100725

Tgt Ion: 65 Resp: 169434

Ion Ratio Lower Upper

65 100

67 51.9 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: VY023430.D

Acq: 10 Oct 2025 11:42

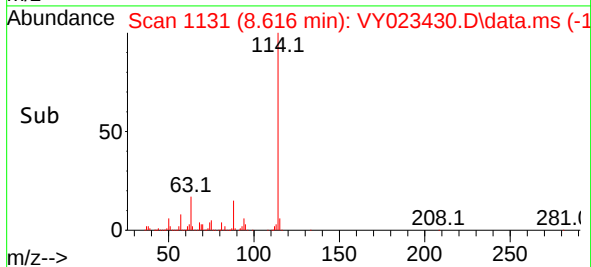
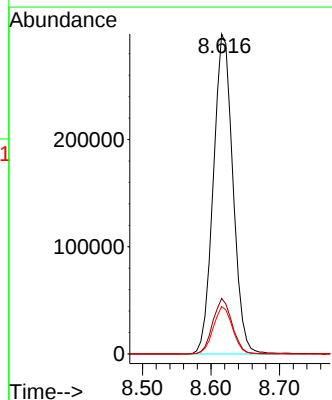
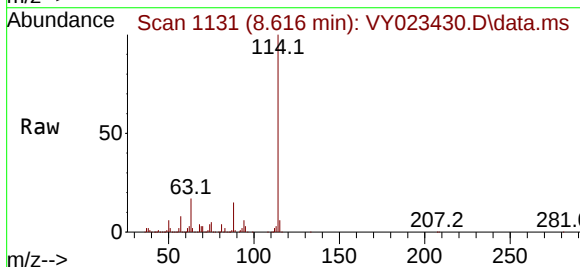
Tgt Ion:114 Resp: 590570

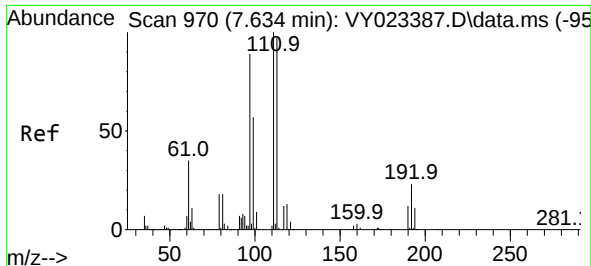
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.2

88 14.8 0.0 28.4

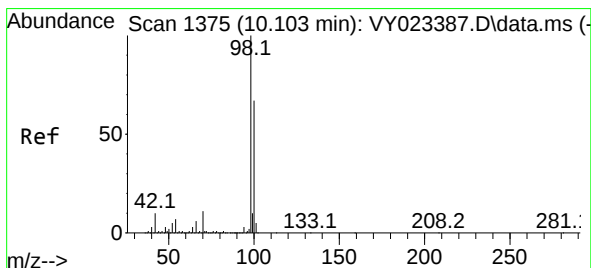
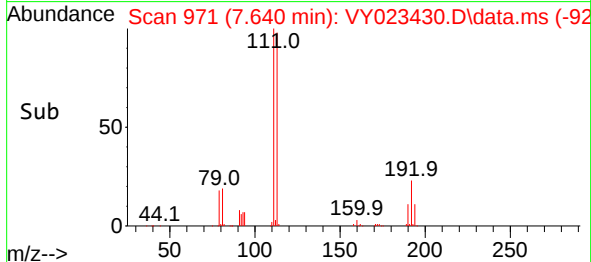
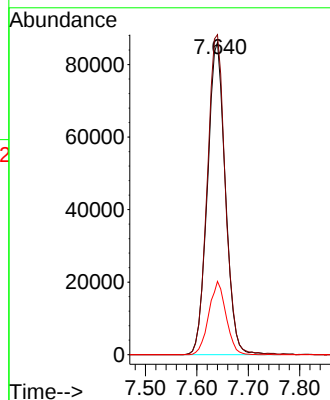
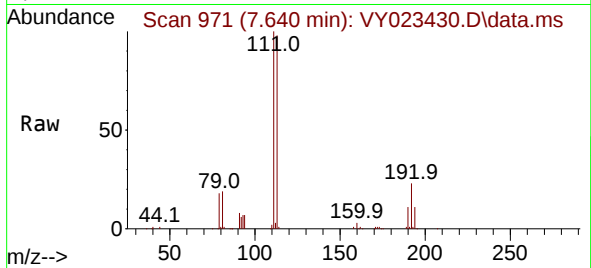




#35
Dibromofluoromethane
Concen: 57.492 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023430.D
Acq: 10 Oct 2025 11:42

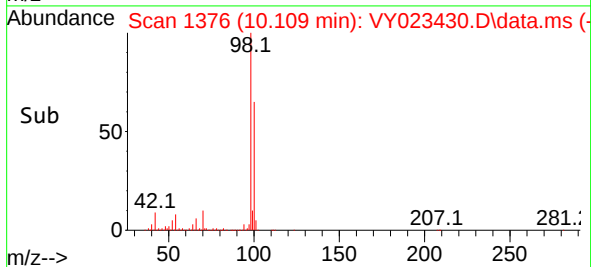
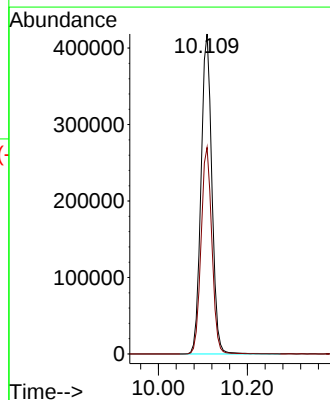
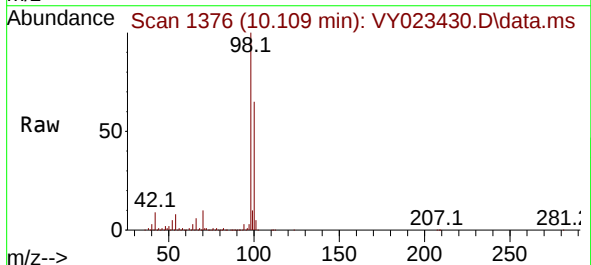
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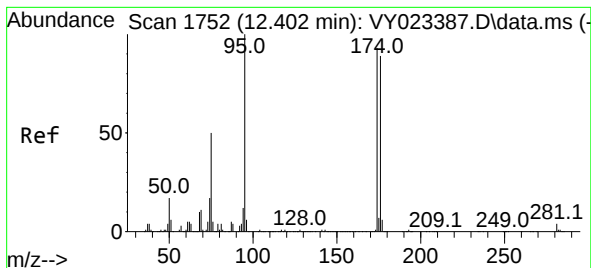
Tgt Ion:113 Resp: 208624
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 22.6 18.0 27.0



#50
Toluene-d8
Concen: 52.554 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023430.D
Acq: 10 Oct 2025 11:42

Tgt Ion: 98 Resp: 710211
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.4

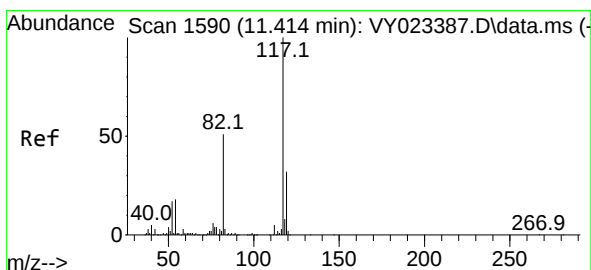
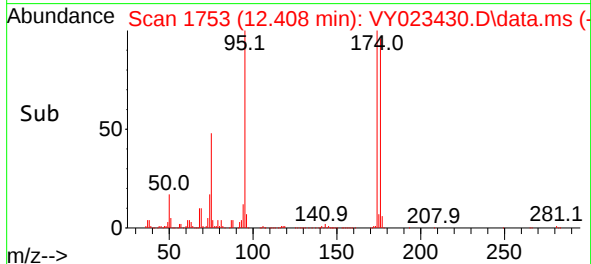
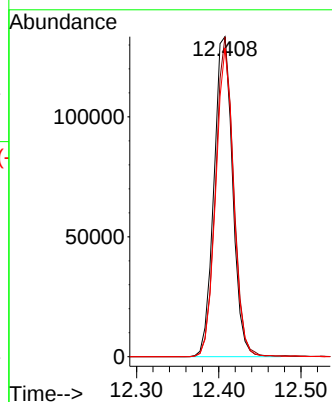
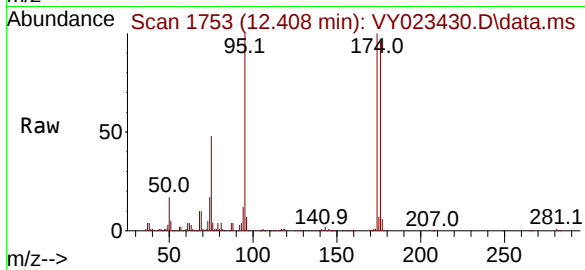




#62
4-Bromofluorobenzene
Concen: 47.231 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023430.D
Acq: 10 Oct 2025 11:42

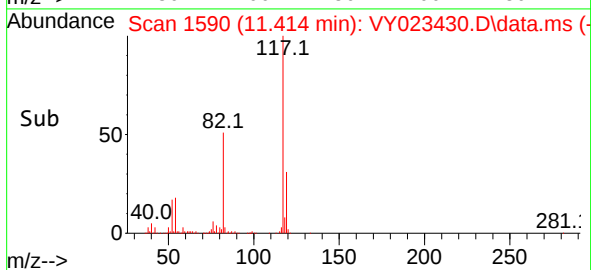
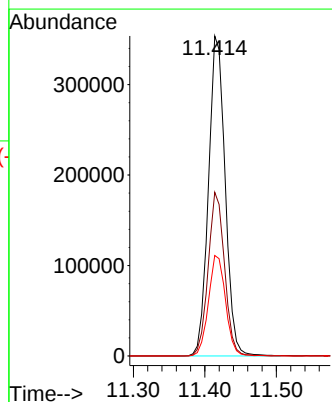
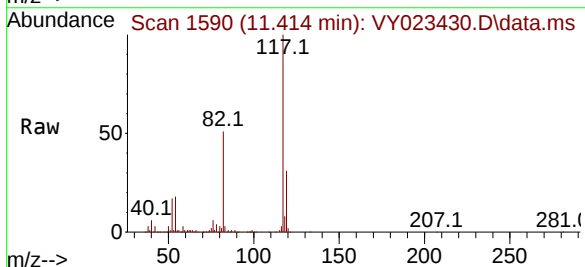
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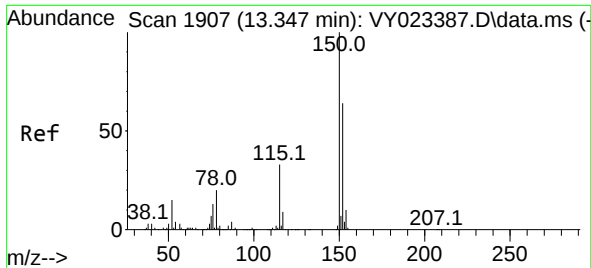
Tgt Ion: 95 Resp: 210727
Ion Ratio Lower Upper
95 100
174 96.6 0.0 192.8
176 92.6 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023430.D
Acq: 10 Oct 2025 11:42

Tgt Ion: 117 Resp: 572981
Ion Ratio Lower Upper
117 100
82 51.1 41.0 61.4
119 31.4 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023430.D
 Acq: 10 Oct 2025 11:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-100725

Tgt Ion:152 Resp: 222842
 Ion Ratio Lower Upper
 152 100
 115 54.5 27.1 81.2
 150 159.4 0.0 347.4

