

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
 Data File : VY023453.D
 Acq On : 13 Oct 2025 15:29
 Operator : SY/MD
 Sample : Q3337-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAYDOWN-YARD-2

Quant Time: Oct 14 04:17:45 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)

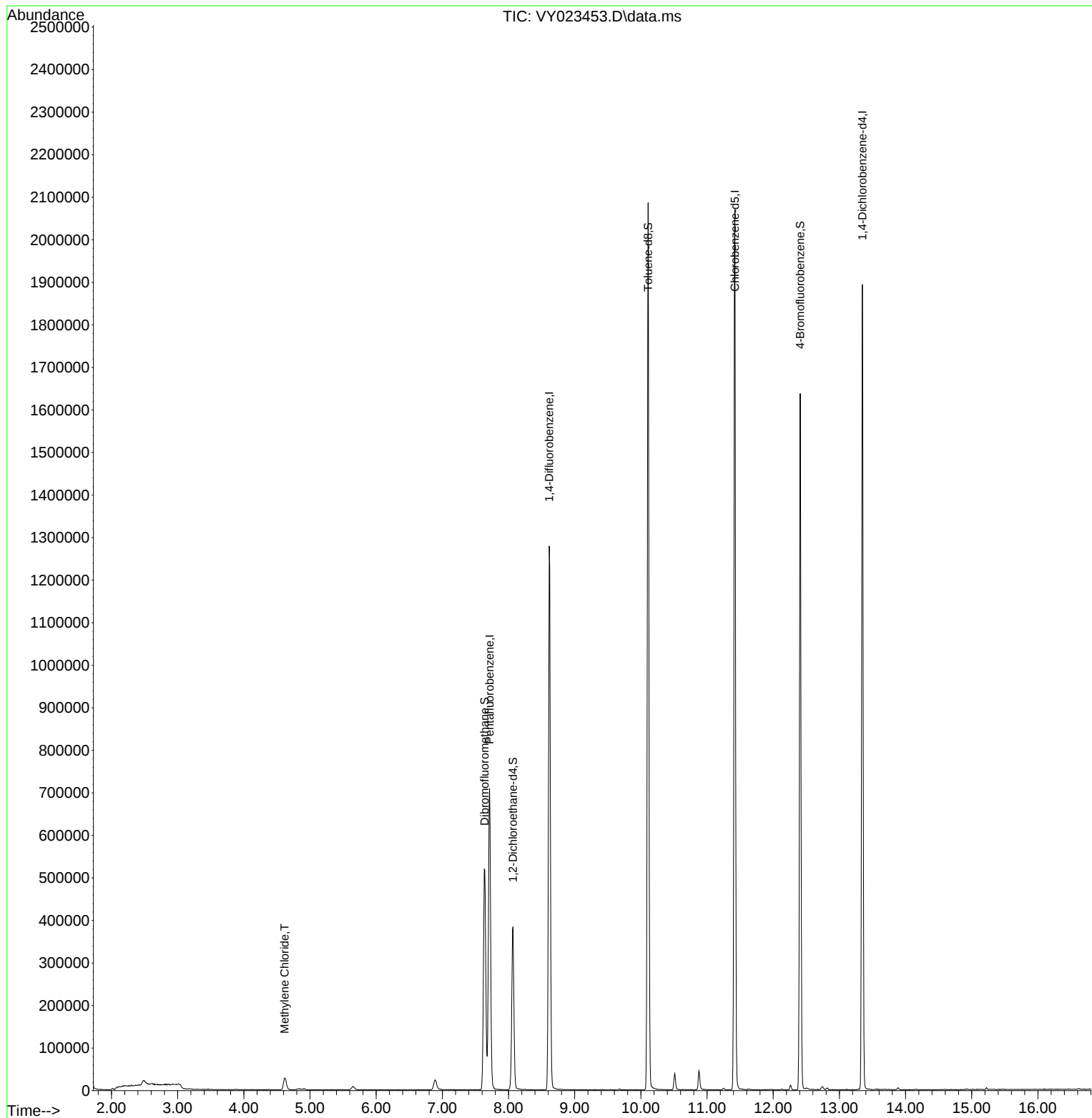
Internal Standards						
1) Pentafluorobenzene	7.713	168	595232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1156748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1163890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	512823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	299183	60.108	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.220%	
35) Dibromofluoromethane	7.640	113	379320	53.368	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.740%	
50) Toluene-d8	10.109	98	1376843	52.016	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.040%	
62) 4-Bromofluorobenzene	12.408	95	467633	53.511	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.020%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	22672	3.538	ug/l	93

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

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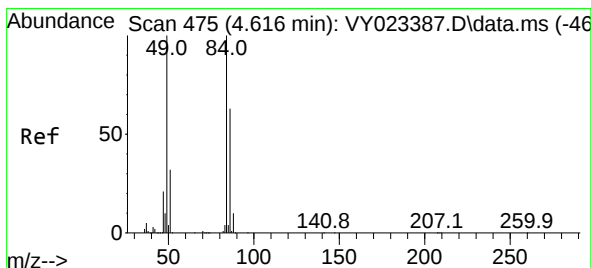
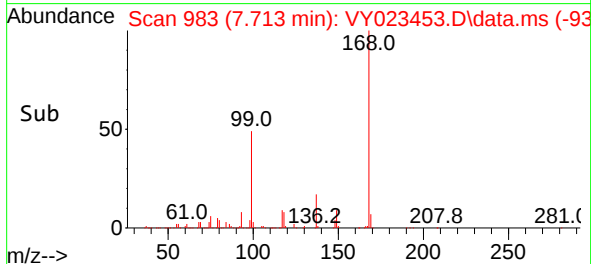
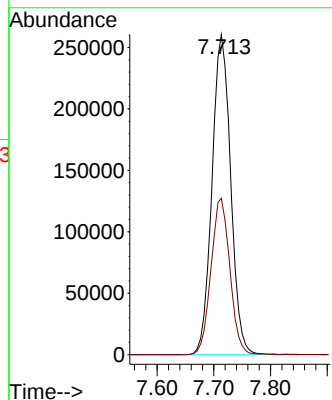
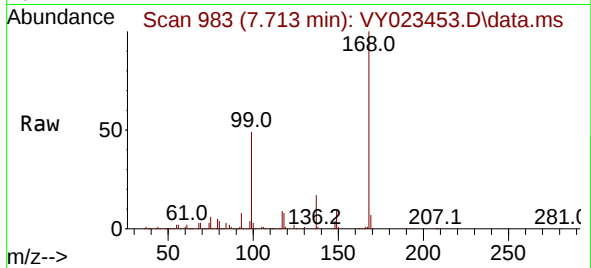




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023453.D
Acq: 13 Oct 2025 15:29

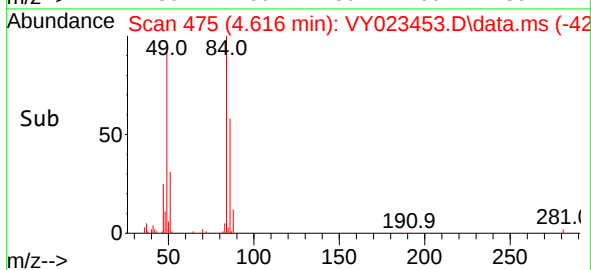
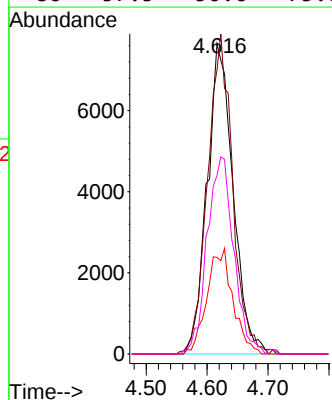
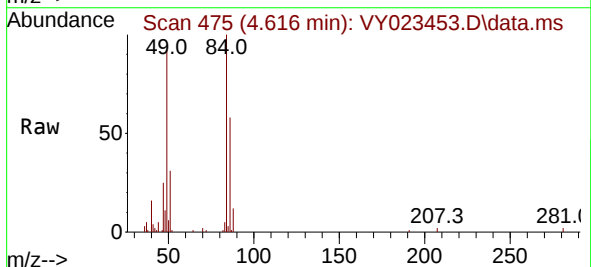
Instrument :
MSVOA_Y
ClientSampleId :
LAYDOWN-YARD-2

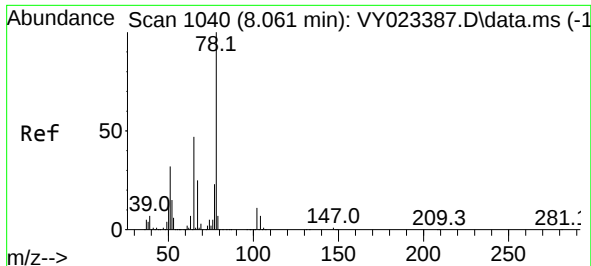
Tgt Ion:168 Resp: 595232
Ion Ratio Lower Upper
168 100
99 48.9 39.7 59.5



#20
Methylene Chloride
Concen: 3.538 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023453.D
Acq: 13 Oct 2025 15:29

Tgt Ion: 84 Resp: 22672
Ion Ratio Lower Upper
84 100
49 91.6 80.2 120.4
51 31.2 25.9 38.9
86 57.5 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 60.108 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023453.D

Acq: 13 Oct 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

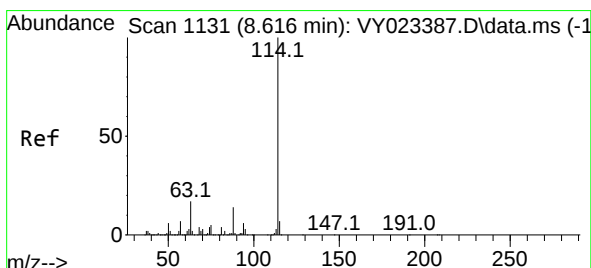
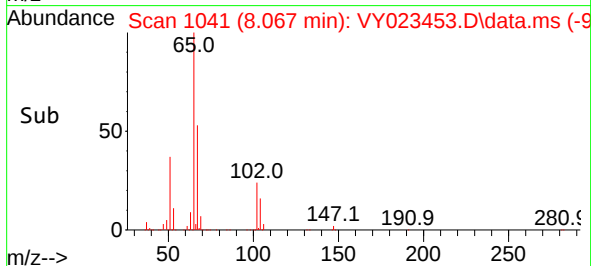
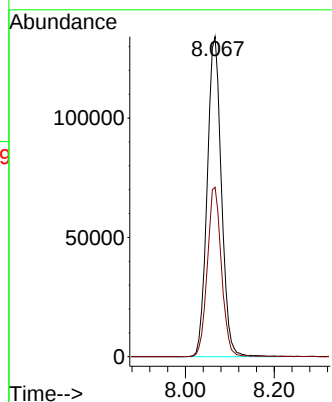
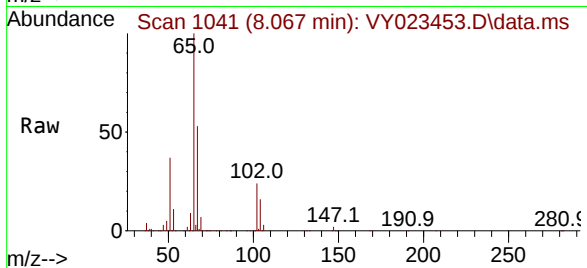
LAYDOWN-YARD-2

Tgt Ion: 65 Resp: 299183

Ion Ratio Lower Upper

65 100

67 52.6 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: VY023453.D

Acq: 13 Oct 2025 15:29

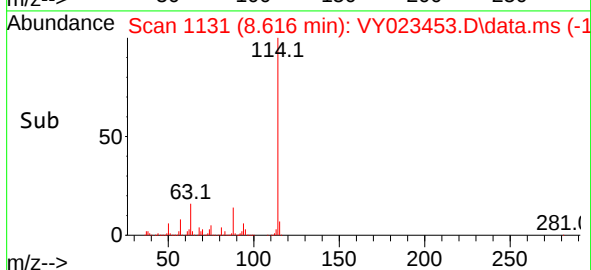
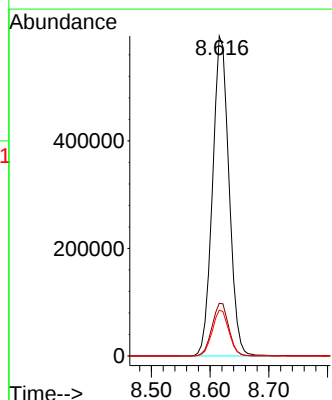
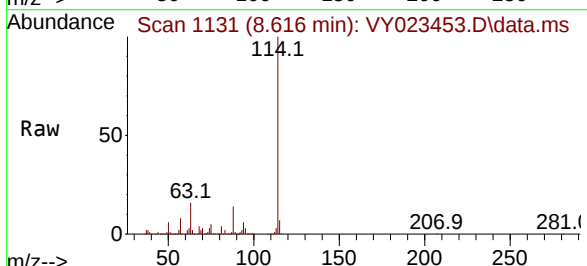
Tgt Ion:114 Resp: 1156748

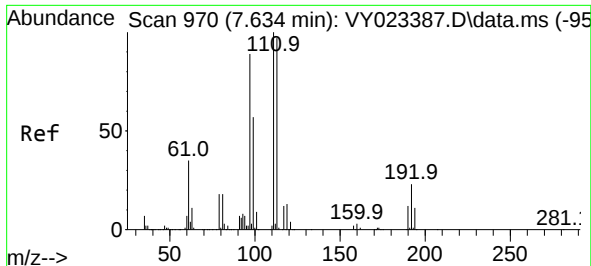
Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.2

88 14.3 0.0 28.4

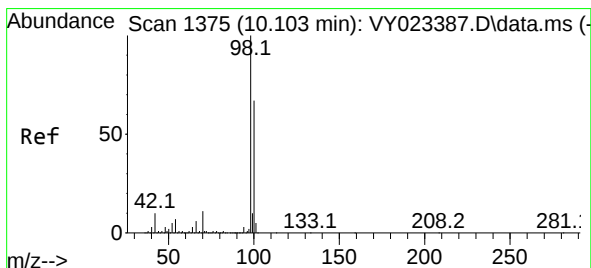
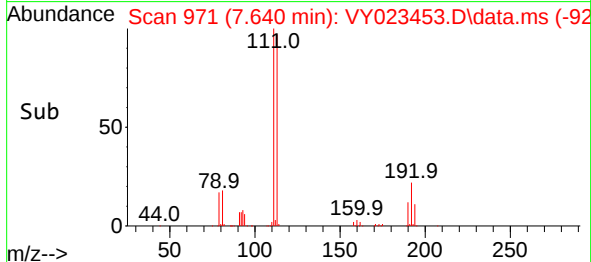
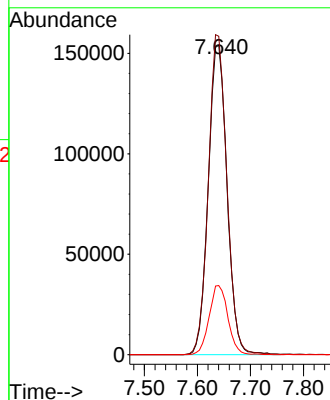
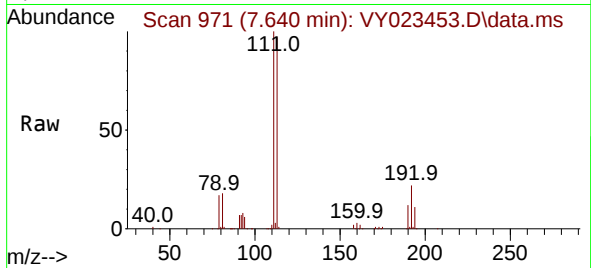




#35
Dibromofluoromethane
Concen: 53.368 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023453.D
Acq: 13 Oct 2025 15:29

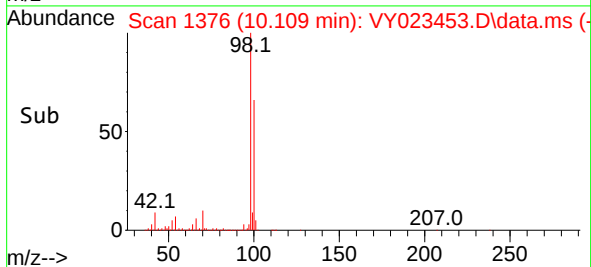
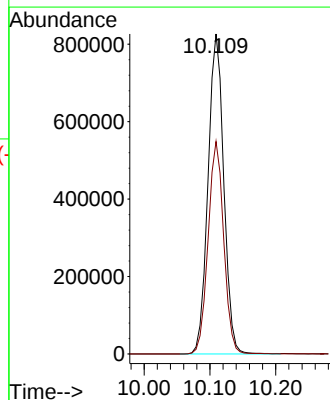
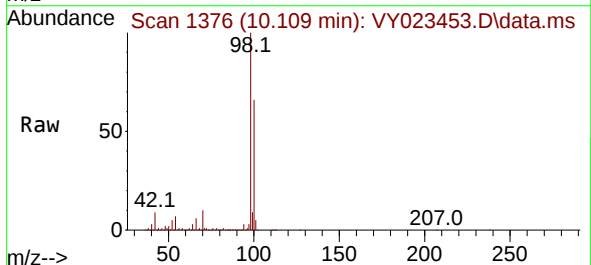
Instrument :
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LAYDOWN-YARD-2

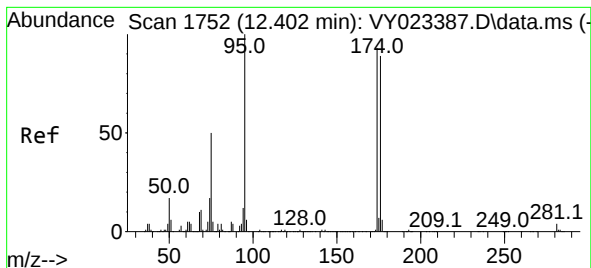
Tgt Ion:113 Resp: 379320
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.3 18.0 27.0



#50
Toluene-d8
Concen: 52.016 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023453.D
Acq: 13 Oct 2025 15:29

Tgt Ion: 98 Resp: 1376843
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

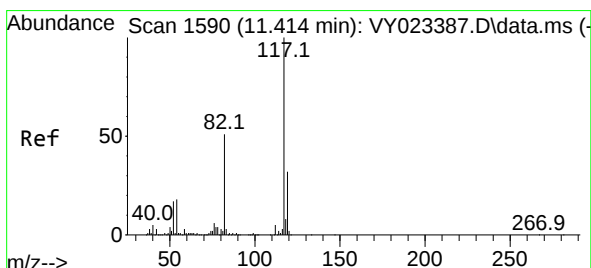
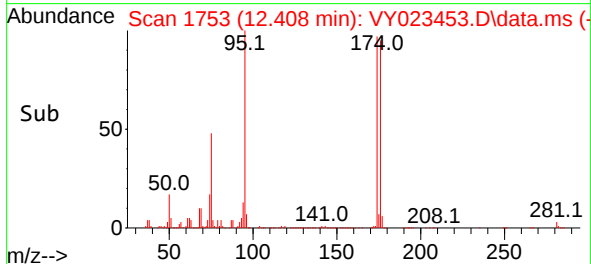
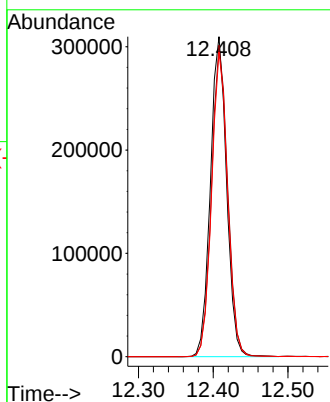
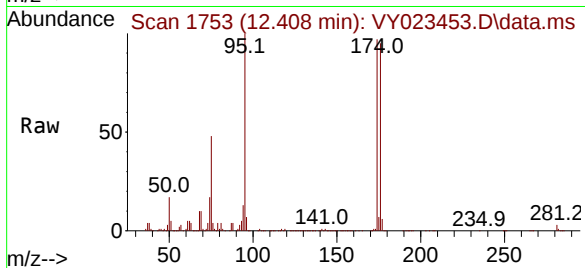




#62
4-Bromofluorobenzene
Concen: 53.511 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023453.D
Acq: 13 Oct 2025 15:29

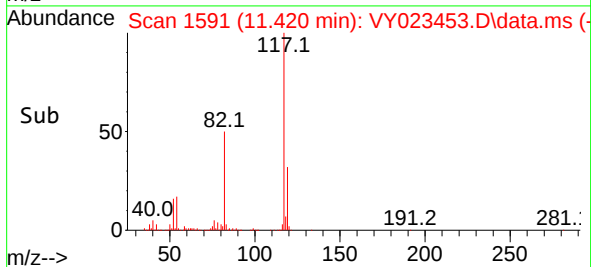
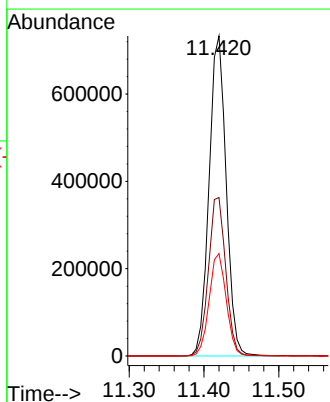
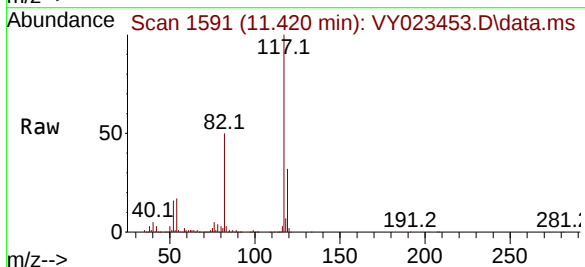
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MSVOA_Y
ClientSampleId :
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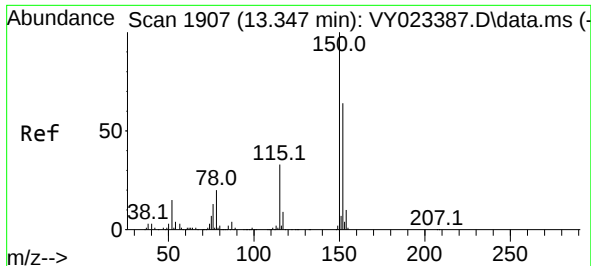
Tgt Ion: 95 Resp: 467633
Ion Ratio Lower Upper
95 100
174 97.2 0.0 192.8
176 93.9 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023453.D
Acq: 13 Oct 2025 15:29

Tgt Ion: 117 Resp: 1163890
Ion Ratio Lower Upper
117 100
82 49.5 41.0 61.4
119 32.0 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: VY023453.D

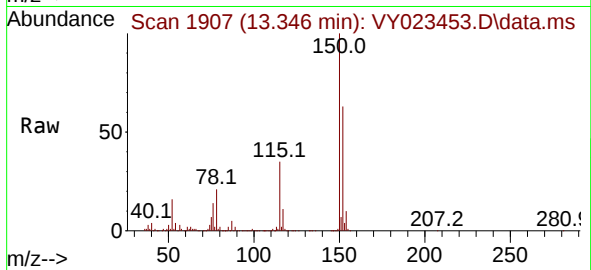
Acq: 13 Oct 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

LAYDOWN-YARD-2



Tgt Ion:152 Resp: 512823

Ion Ratio Lower Upper

152 100

115 54.3 27.1 81.2

150 156.5 0.0 347.4

