

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023548.D
 Acq On : 22 Oct 2025 12:03
 Operator : SY/MD
 Sample : Q3416-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-10212025

Quant Time: Oct 23 13:13:26 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)

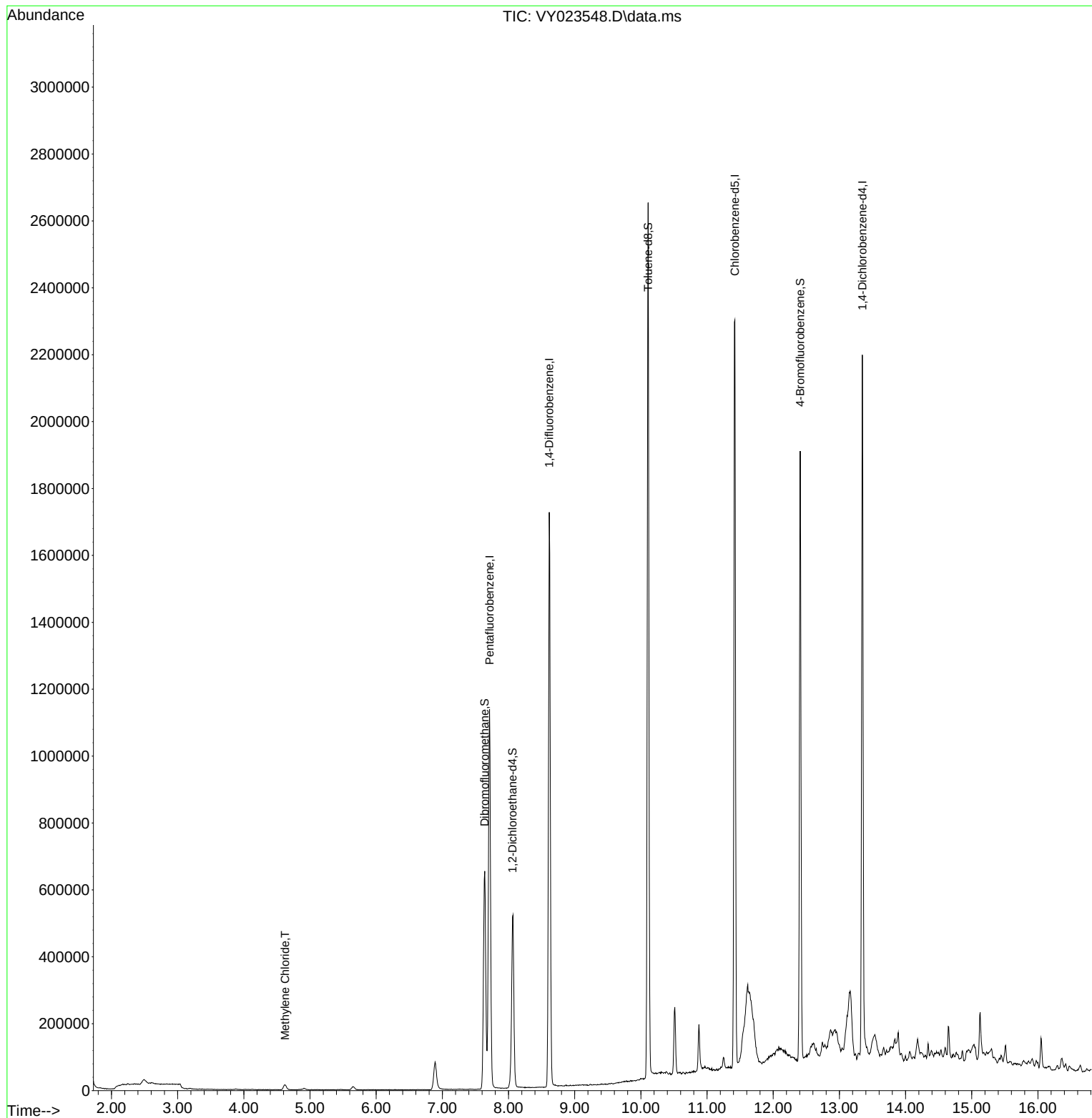
Internal Standards						
1) Pentafluorobenzene	7.713	168	956693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1547678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1323539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	562005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	384980	48.122	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.240%
35) Dibromofluoromethane	7.640	113	468225	49.236	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.480%
50) Toluene-d8	10.109	98	1759871	49.692	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.380%
62) 4-Bromofluorobenzene	12.407	95	523647	44.786	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.580%
Target Compounds						
20) Methylene Chloride	4.622	84	12259	1.190	ug/l	92

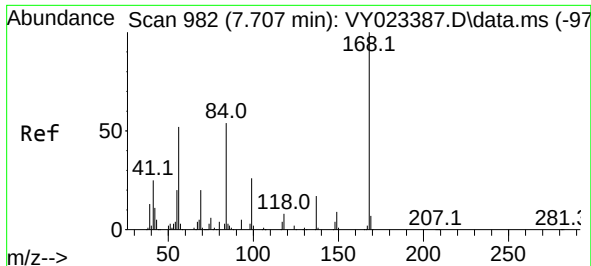
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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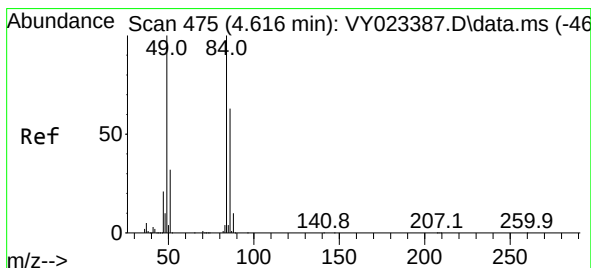
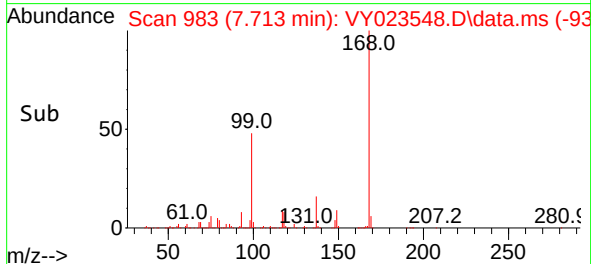
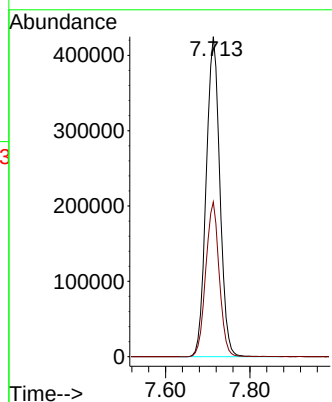
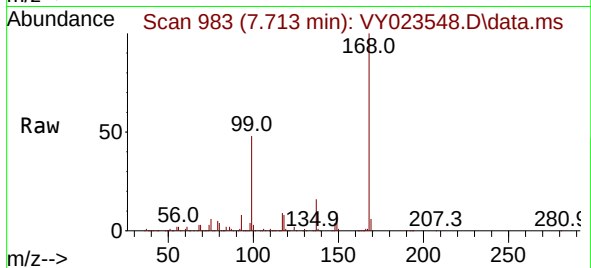




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023548.D
Acq: 22 Oct 2025 12:03

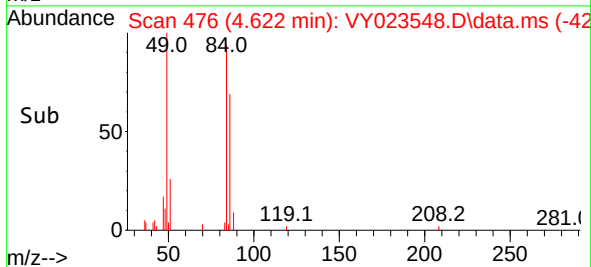
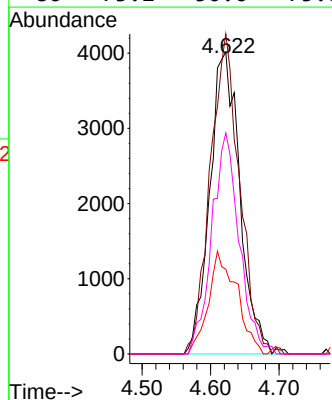
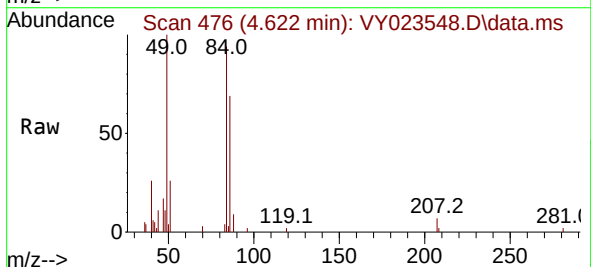
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-10212025

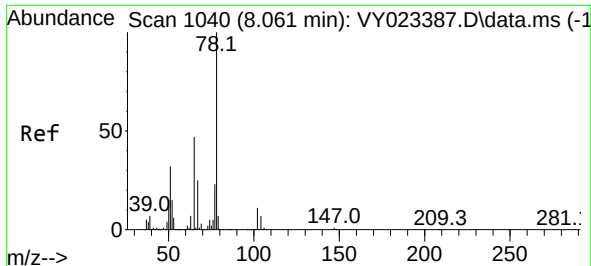
Tgt Ion:168 Resp: 956693
Ion Ratio Lower Upper
168 100
99 48.4 39.7 59.5



#20
Methylene Chloride
Concen: 1.190 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023548.D
Acq: 22 Oct 2025 12:03

Tgt Ion: 84 Resp: 12259
Ion Ratio Lower Upper
84 100
49 106.0 80.2 120.4
51 28.0 25.9 38.9
86 73.2 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 48.122 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023548.D

Acq: 22 Oct 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

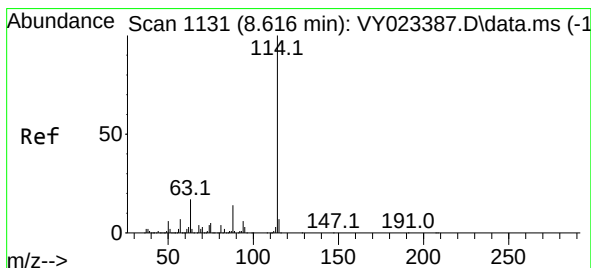
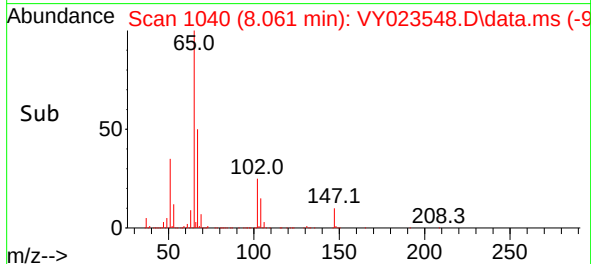
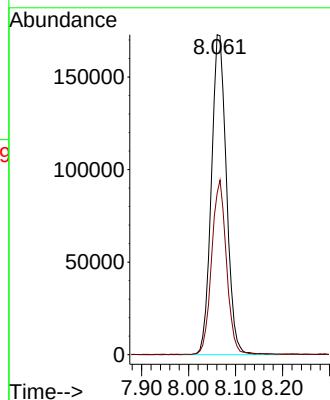
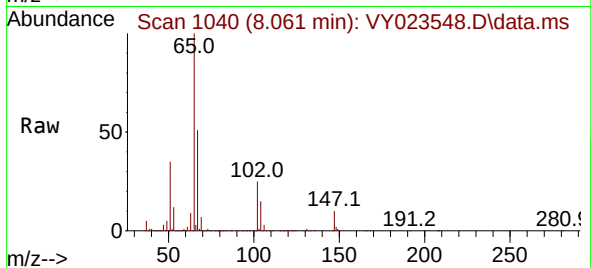
NB-08-10212025

Tgt Ion: 65 Resp: 384980

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023548.D

Acq: 22 Oct 2025 12:03

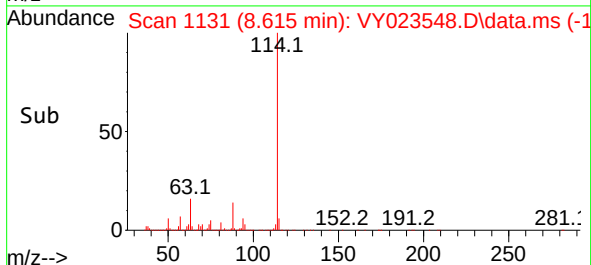
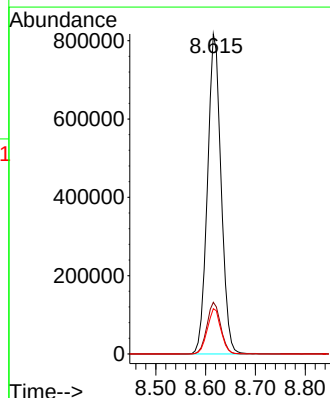
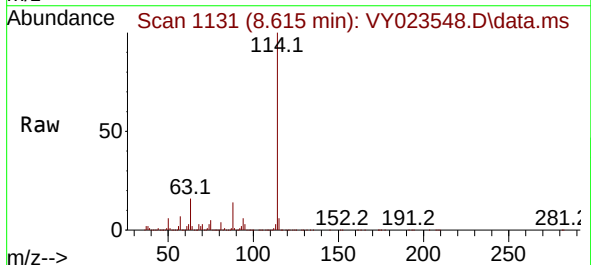
Tgt Ion:114 Resp: 1547678

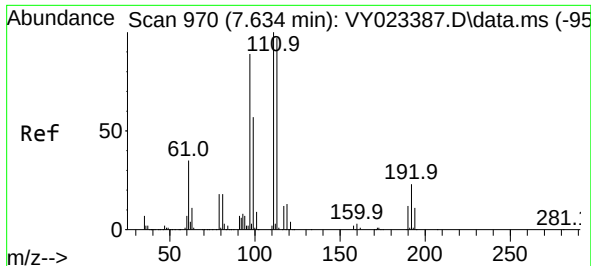
Ion Ratio Lower Upper

114 100

63 16.1 0.0 34.2

88 14.2 0.0 28.4

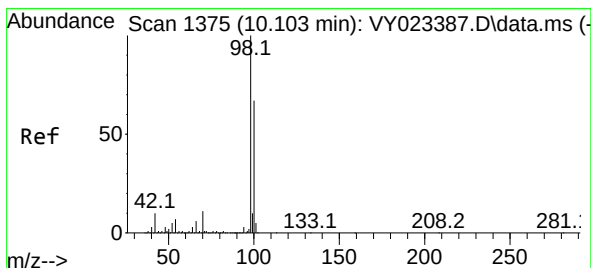
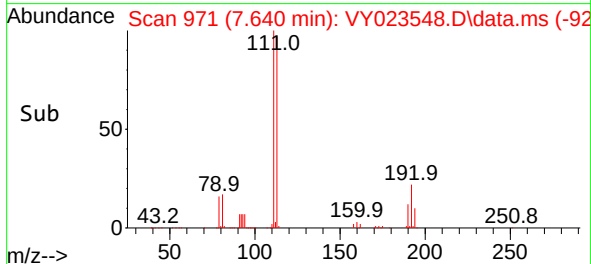
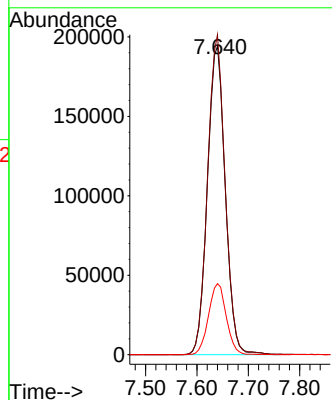
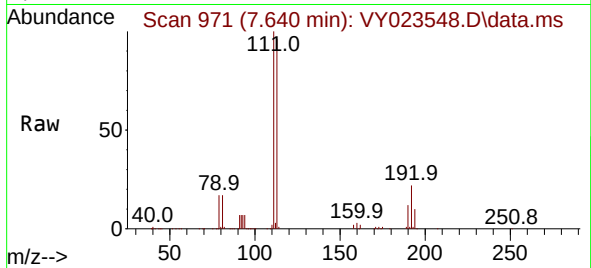




#35
Dibromofluoromethane
Concen: 49.236 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023548.D
Acq: 22 Oct 2025 12:03

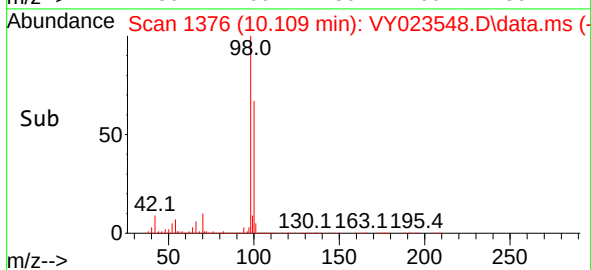
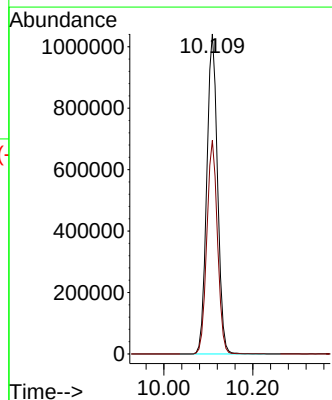
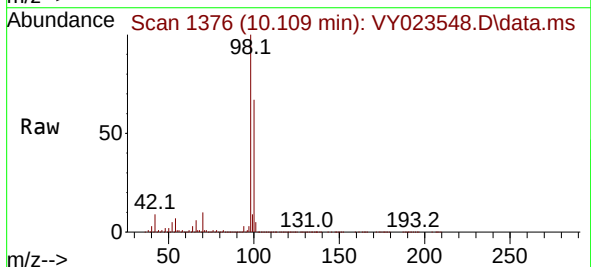
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-10212025

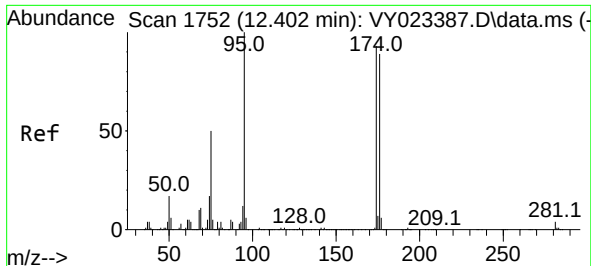
Tgt Ion:113 Resp: 468225
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 23.0 18.0 27.0



#50
Toluene-d8
Concen: 49.692 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023548.D
Acq: 22 Oct 2025 12:03

Tgt Ion: 98 Resp: 1759871
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

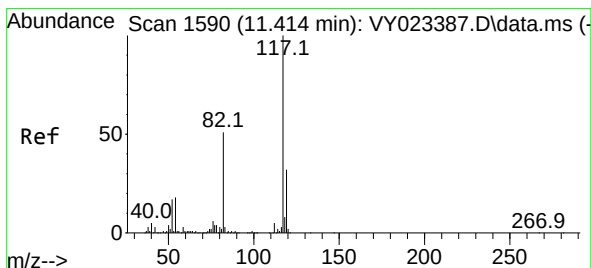
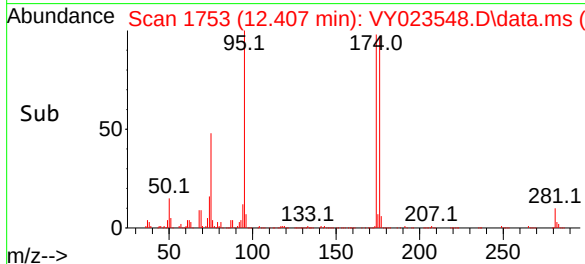
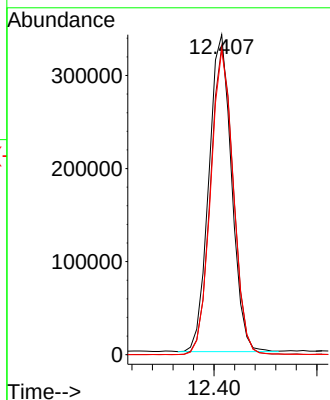
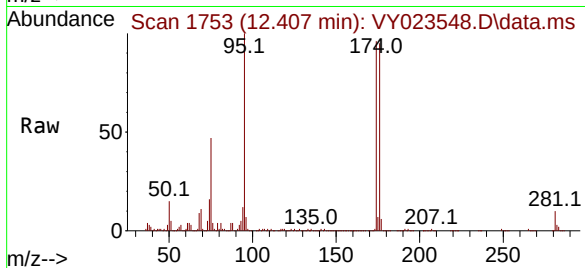




#62
4-Bromofluorobenzene
Concen: 44.786 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023548.D
Acq: 22 Oct 2025 12:03

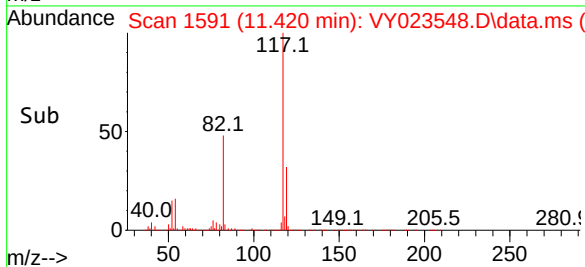
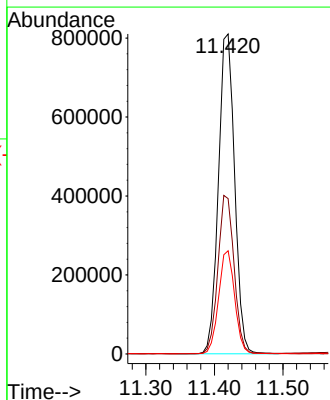
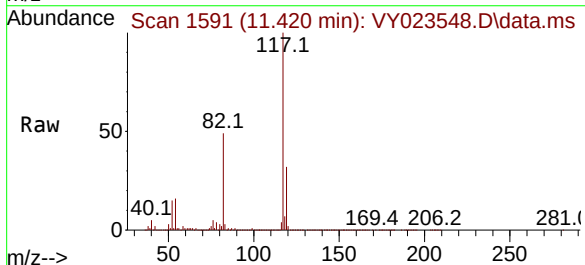
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-10212025

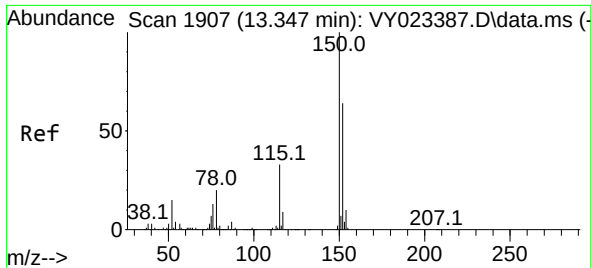
Tgt Ion: 95 Resp: 523647
Ion Ratio Lower Upper
95 100
174 97.3 0.0 192.8
176 95.4 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023548.D
Acq: 22 Oct 2025 12:03

Tgt Ion: 117 Resp: 1323539
Ion Ratio Lower Upper
117 100
82 48.5 41.0 61.4
119 32.2 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: VY023548.D
 Acq: 22 Oct 2025 12:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-10212025

Tgt Ion:152 Resp: 562005
 Ion Ratio Lower Upper
 152 100
 115 53.6 27.1 81.2
 150 155.0 0.0 347.4

