

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022825.D
 Acq On : 25 Jun 2025 15:19
 Operator : SY/MD
 Sample : Q2405-03
 Misc : 3.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-M/N-VOC

Quant Time: Jun 26 01:27:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

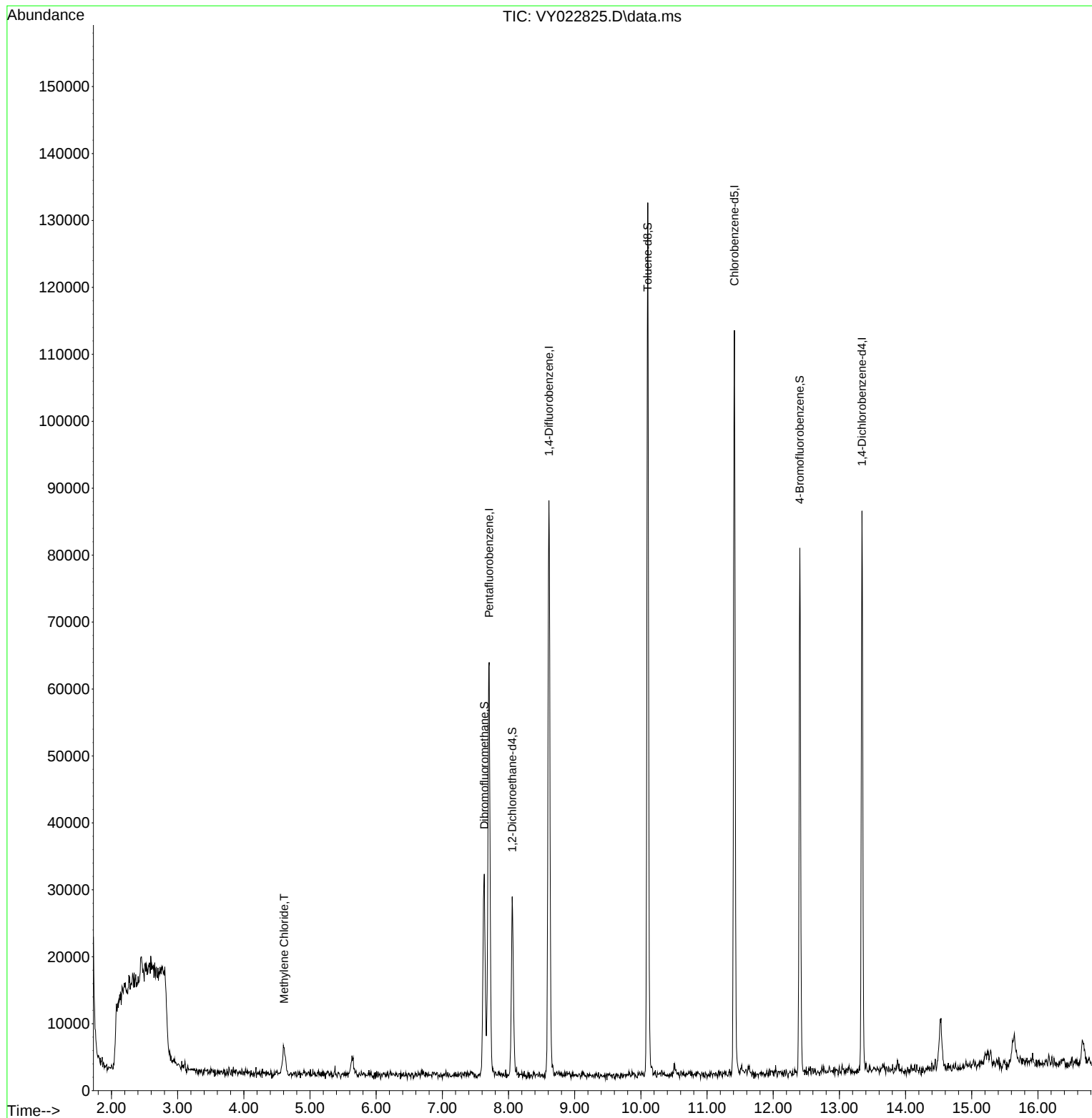
Internal Standards						
1) Pentafluorobenzene	7.707	168	46577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	74933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	58976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	20719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	19538	37.584	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.160%
35) Dibromofluoromethane	7.634	113	20833	45.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.440%
50) Toluene-d8	10.103	98	83805	46.344	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.680%
62) 4-Bromofluorobenzene	12.402	95	23456	40.350	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.700%
Target Compounds						
20) Methylene Chloride	4.610	84	2718	4.380	ug/l	# 81

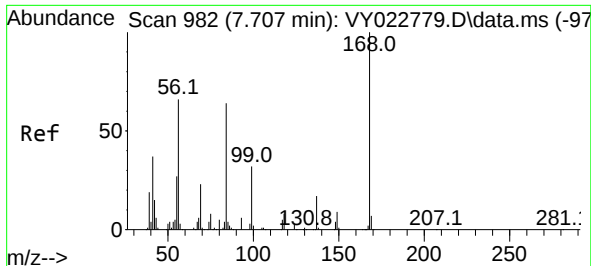
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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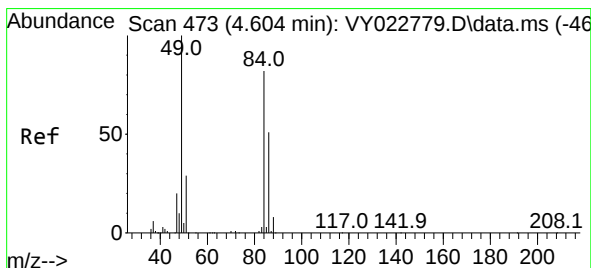
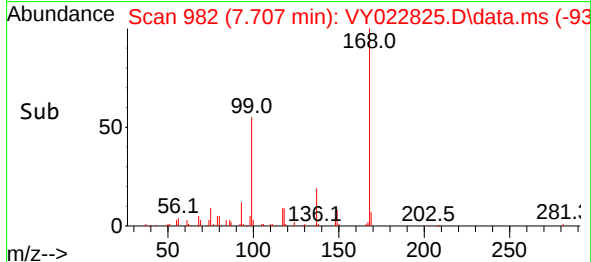
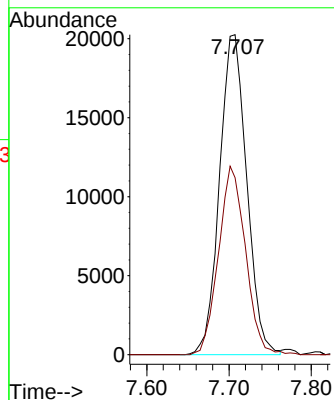
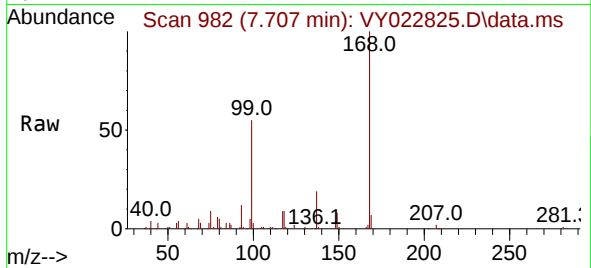




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

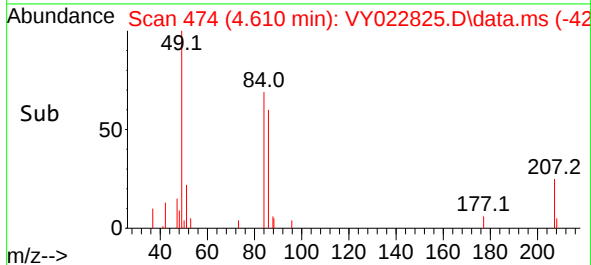
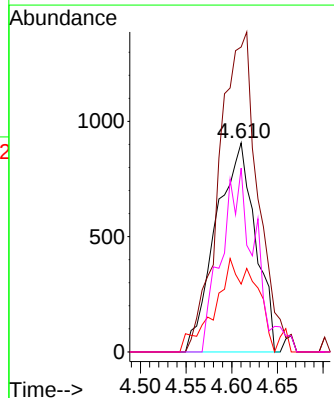
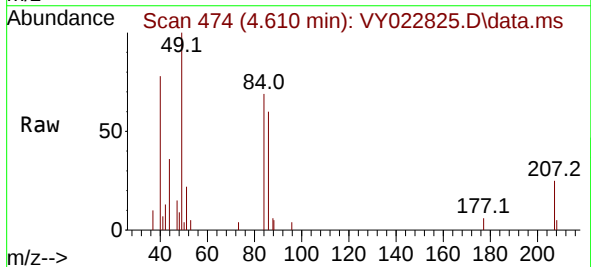
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOC

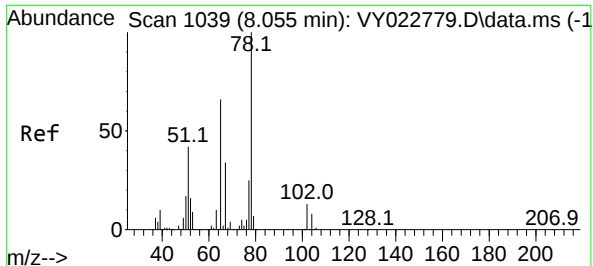
Tgt Ion:168 Resp: 46577
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#20
Methylene Chloride
Concen: 4.380 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

Tgt Ion: 84 Resp: 2718
Ion Ratio Lower Upper
84 100
49 145.9 101.9 152.9
51 32.4 29.8 44.8
86 87.9 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 37.584 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022825.D

Acq: 25 Jun 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

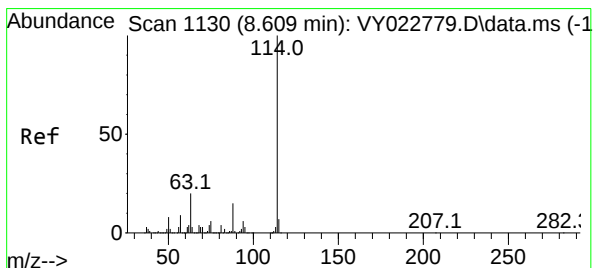
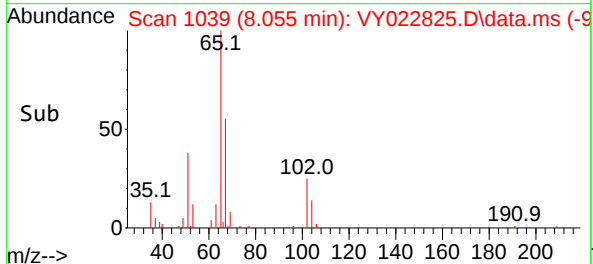
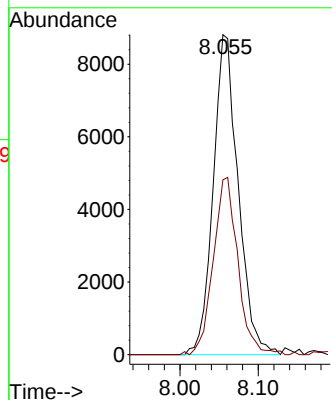
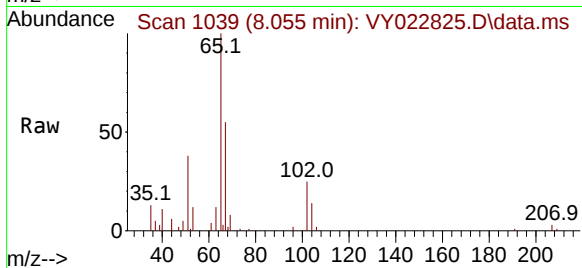
MH-M/N-VOC

Tgt Ion: 65 Resp: 19538

Ion Ratio Lower Upper

65 100

67 54.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022825.D

Acq: 25 Jun 2025 15:19

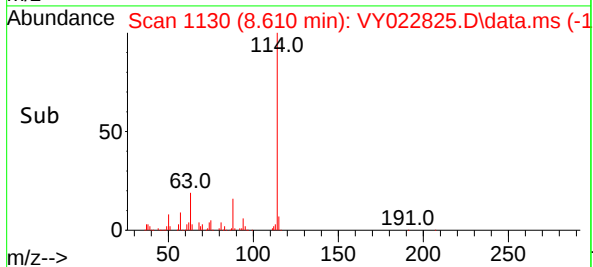
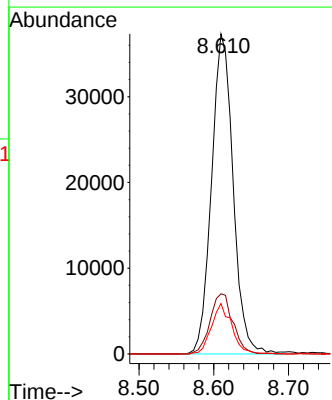
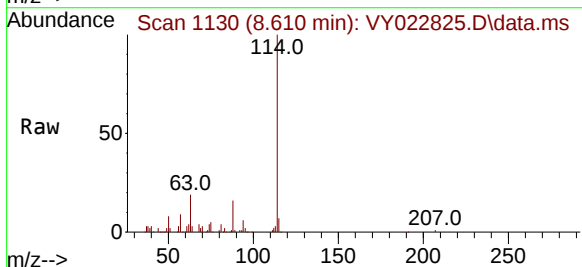
Tgt Ion: 114 Resp: 74933

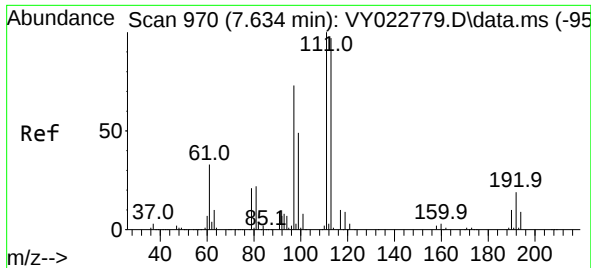
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.8

88 15.8 0.0 27.8

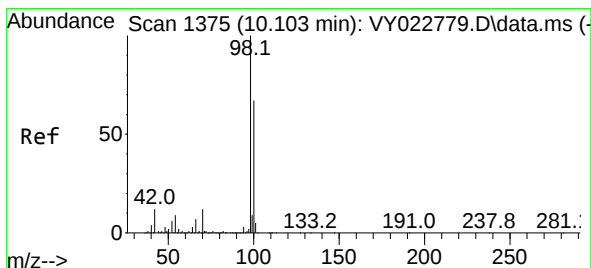
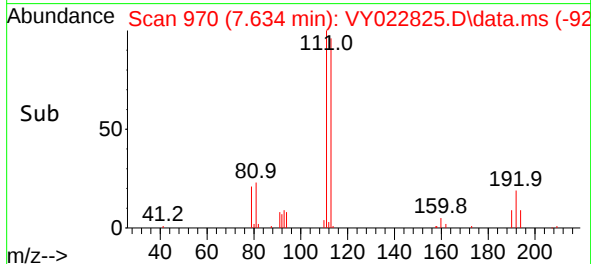
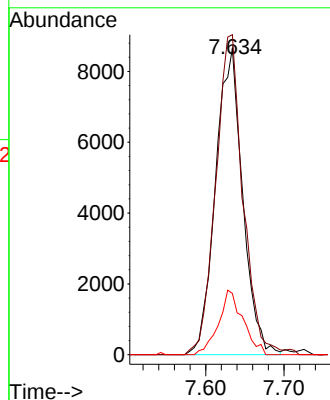
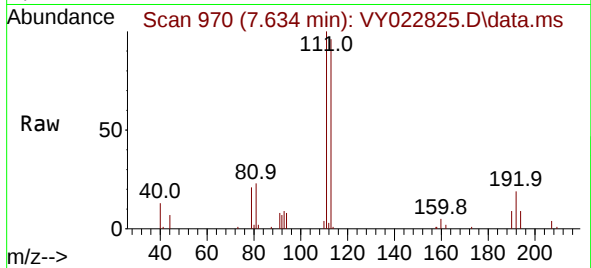




#35
Dibromofluoromethane
Concen: 45.716 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

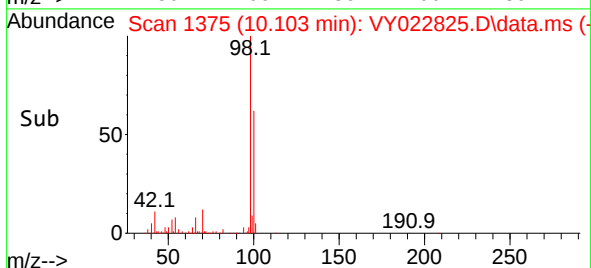
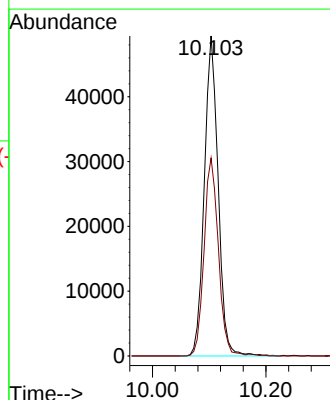
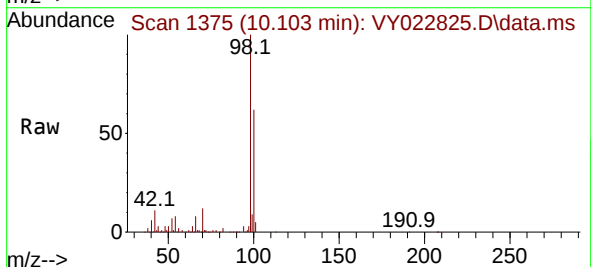
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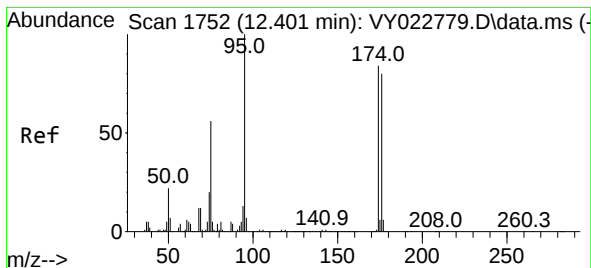
Tgt Ion:113 Resp: 20833
Ion Ratio Lower Upper
113 100
111 104.9 81.1 121.7
192 19.0 14.2 21.2



#50
Toluene-d8
Concen: 46.344 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

Tgt Ion: 98 Resp: 83805
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0

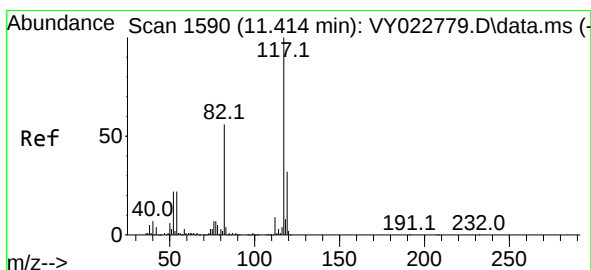
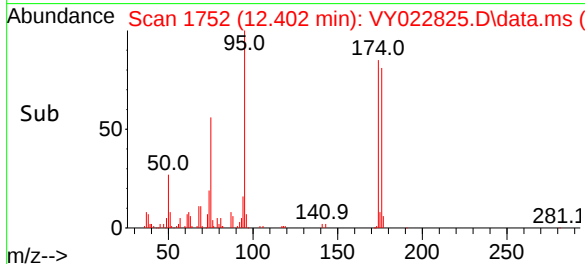
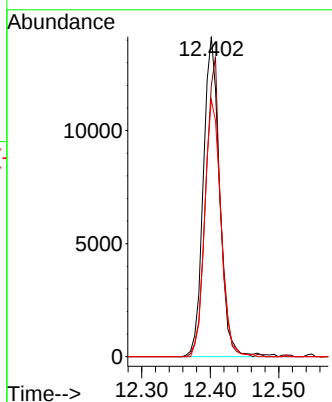
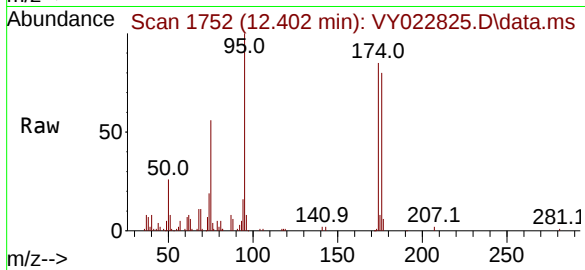




#62
4-Bromofluorobenzene
Concen: 40.350 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

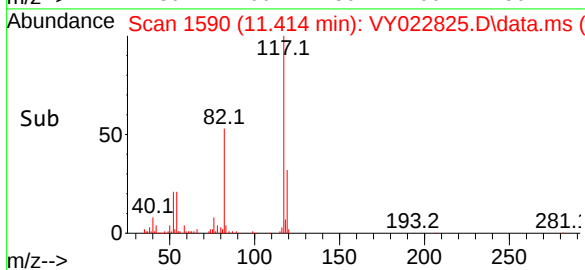
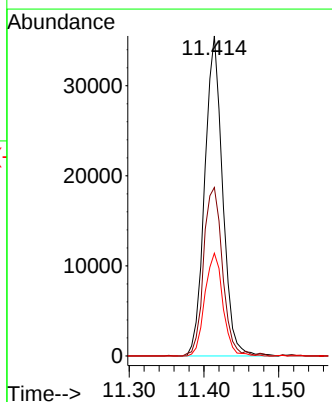
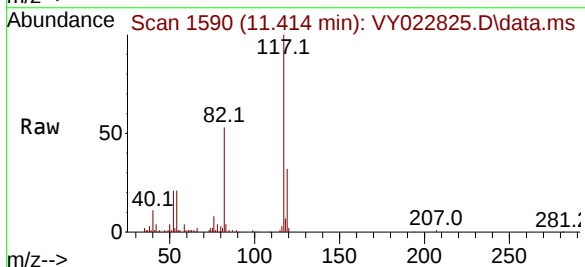
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOC

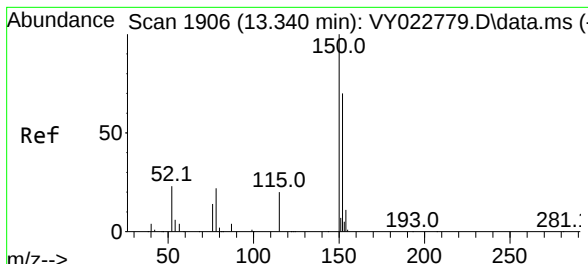
Tgt Ion: 95 Resp: 23456
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.0
176 79.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

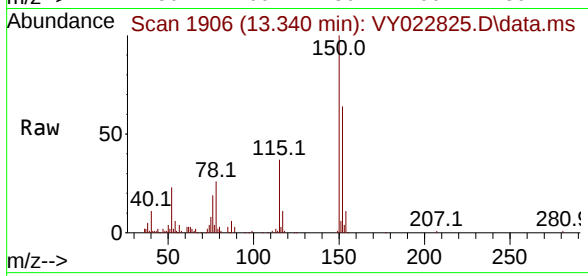
Tgt Ion: 117 Resp: 58976
Ion Ratio Lower Upper
117 100
82 52.7 44.6 66.8
119 32.1 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022825.D
 Acq: 25 Jun 2025 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-M/N-VOC



Tgt Ion:152 Resp: 20719

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.9	86.7
150	155.2	0.0	349.6

