

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022973.D
 Acq On : 08 Jul 2025 14:16
 Operator : SY/MD
 Sample : Q2504-02RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOCRE

Quant Time: Jul 09 02:31:29 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)

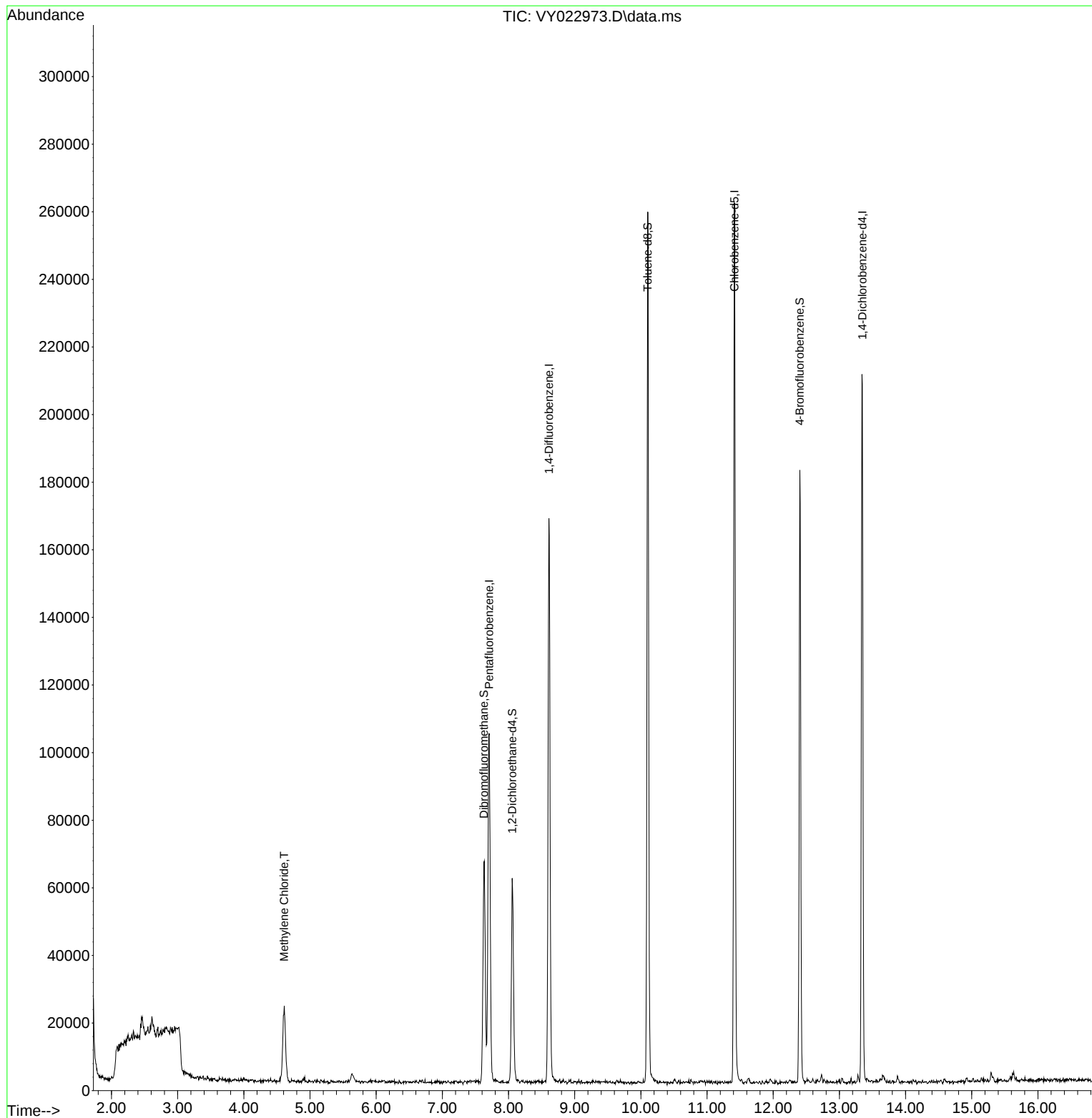
Internal Standards						
1) Pentafluorobenzene	7.707	168	80052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	140423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	132394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	52512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	47245	52.879	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.760%
35) Dibromofluoromethane	7.628	113	46832	54.839	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.680%
50) Toluene-d8	10.103	98	163694	48.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.620%
62) 4-Bromofluorobenzene	12.401	95	53758	49.348	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.700%
Target Compounds						
20) Methylene Chloride	4.610	84	15613	14.640	ug/l	Qvalue 97

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

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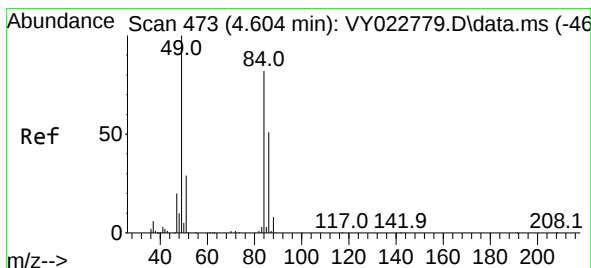
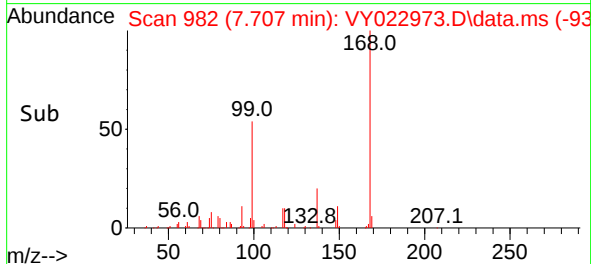
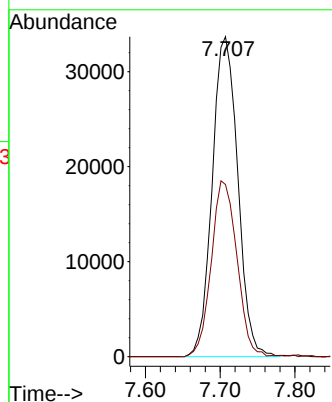
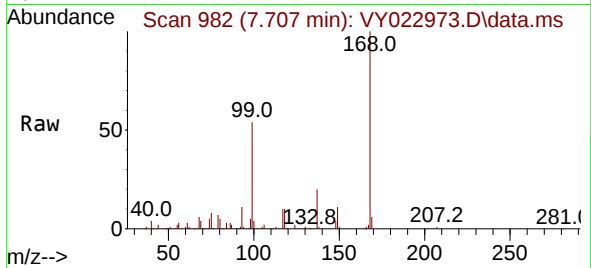




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

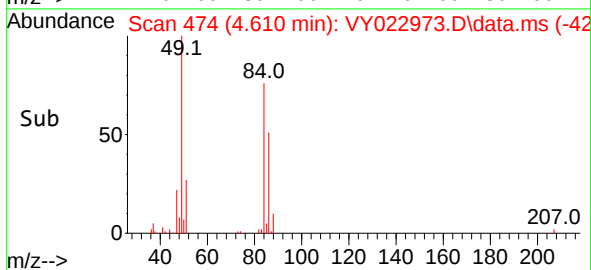
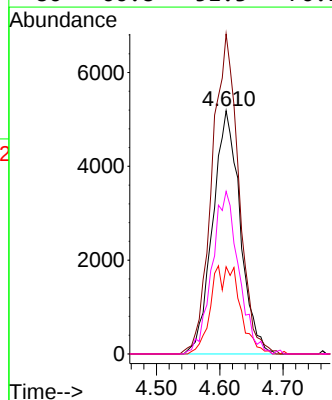
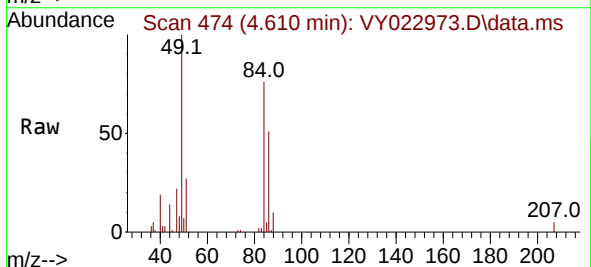
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

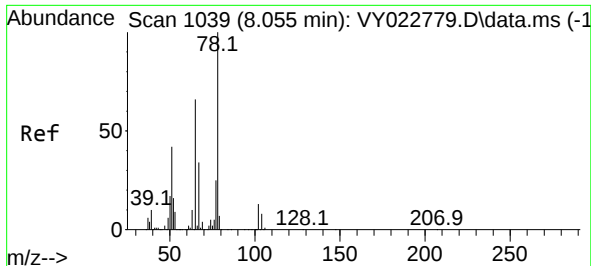
Tgt Ion:168 Resp: 80052
Ion Ratio Lower Upper
168 100
99 53.8 44.3 66.5



#20
Methylene Chloride
Concen: 14.640 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

Tgt Ion: 84 Resp: 15613
Ion Ratio Lower Upper
84 100
49 131.5 101.9 152.9
51 35.8 29.8 44.8
86 66.8 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 52.879 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.012 min

Lab File: VY022973.D

Acq: 08 Jul 2025 14:16

Instrument :

MSVOA_Y

ClientSampleId :

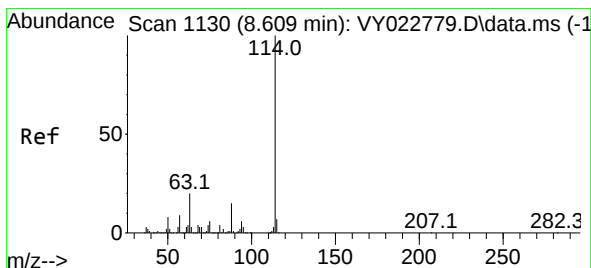
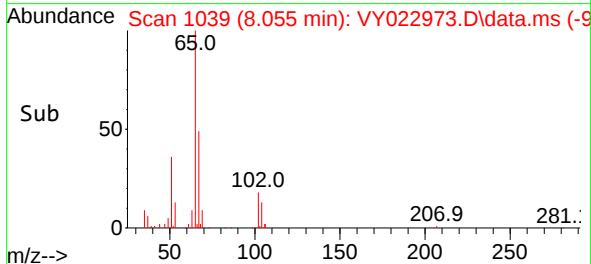
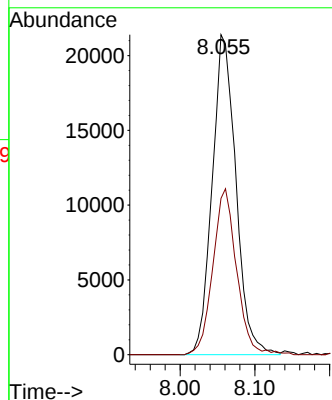
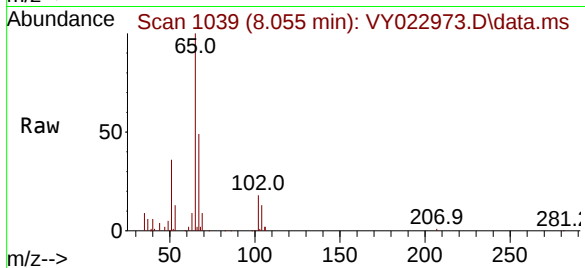
VOCRE

Tgt Ion: 65 Resp: 47245

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022973.D

Acq: 08 Jul 2025 14:16

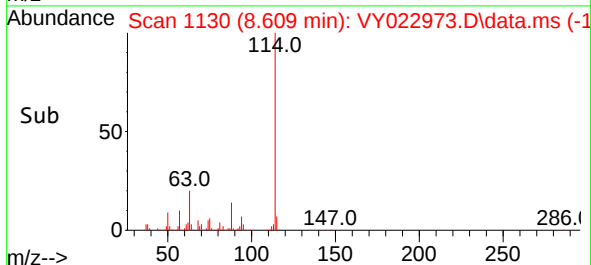
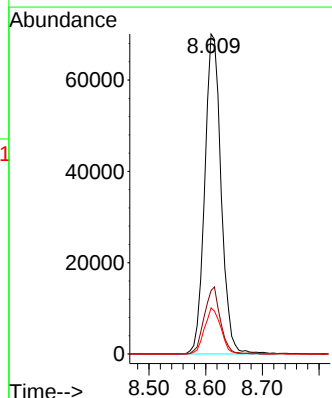
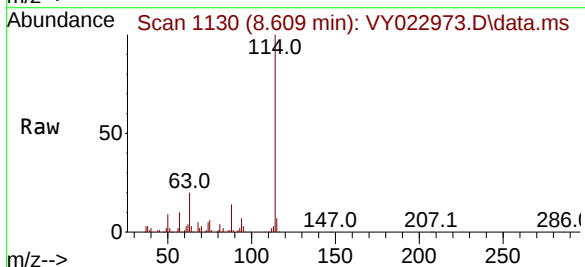
Tgt Ion: 114 Resp: 140423

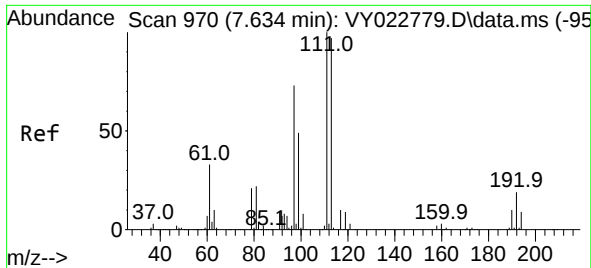
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.4 0.0 27.8

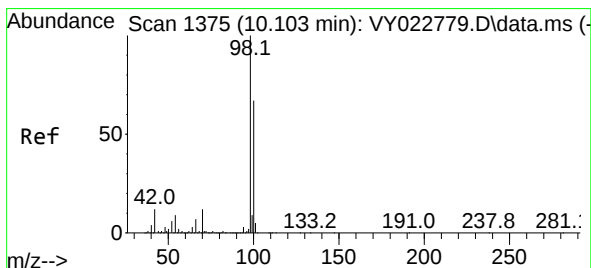
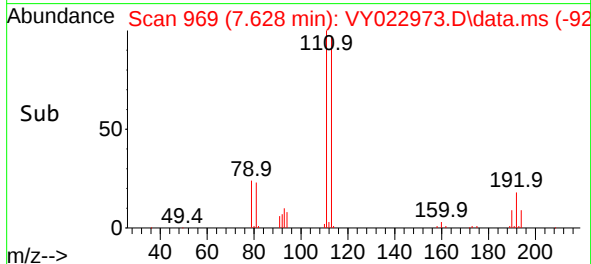
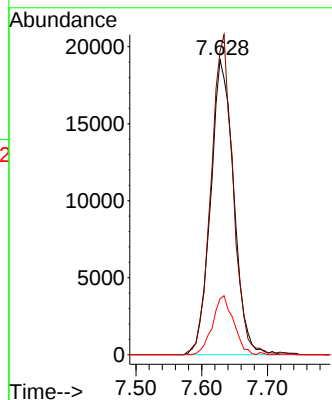
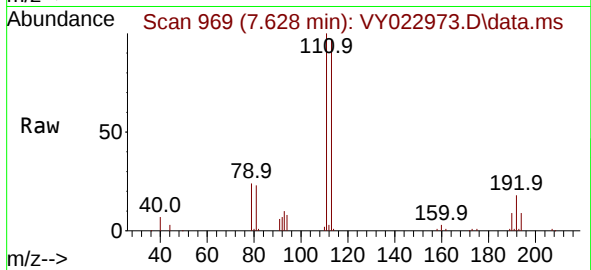




#35
Dibromofluoromethane
Concen: 54.839 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

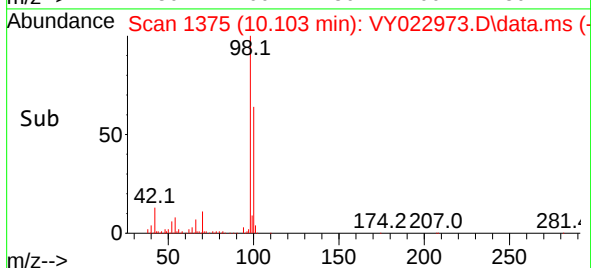
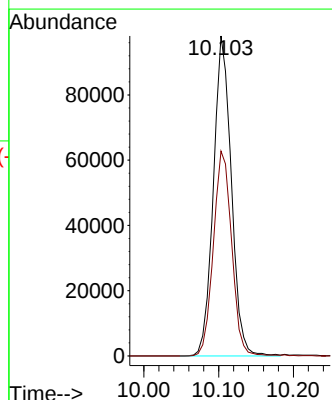
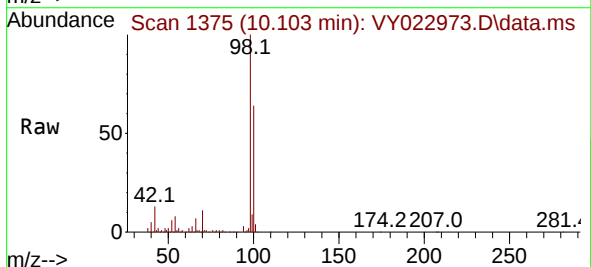
Instrument :
MSVOA_Y
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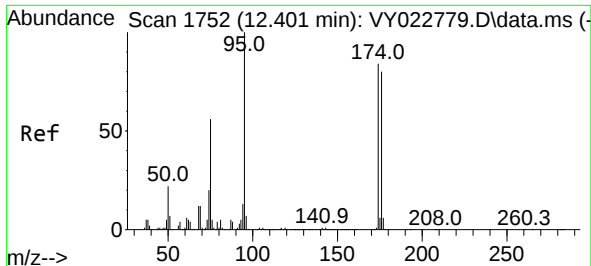
Tgt Ion:113 Resp: 46832
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 18.1 14.2 21.2



#50
Toluene-d8
Concen: 48.305 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

Tgt Ion: 98 Resp: 163694
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

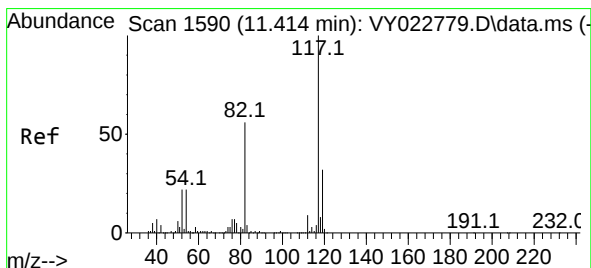
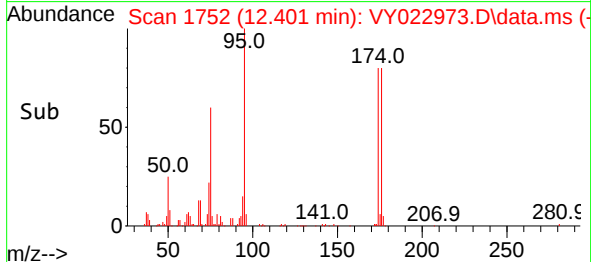
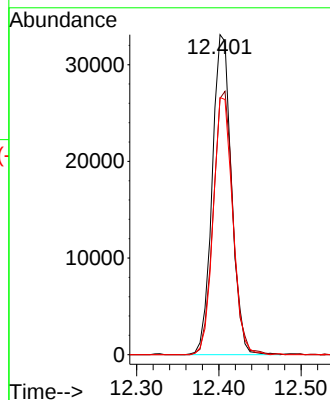
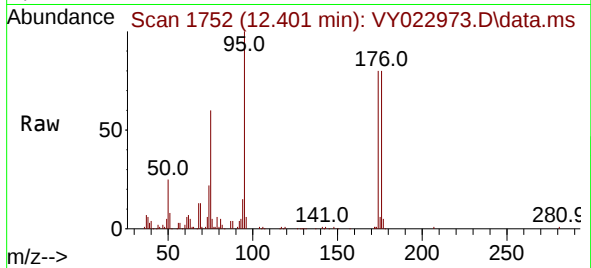




#62
4-Bromofluorobenzene
Concen: 49.348 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

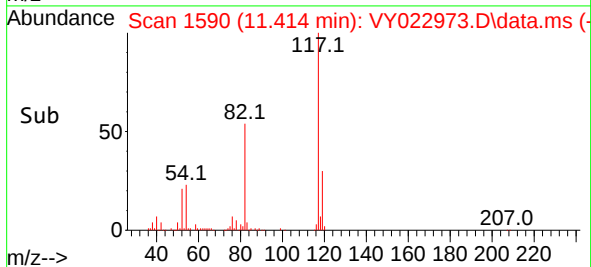
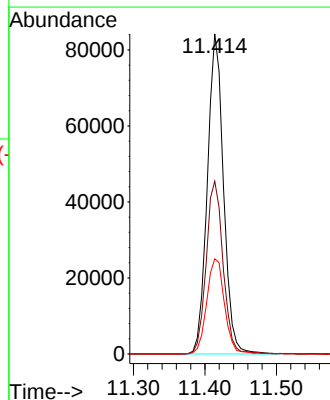
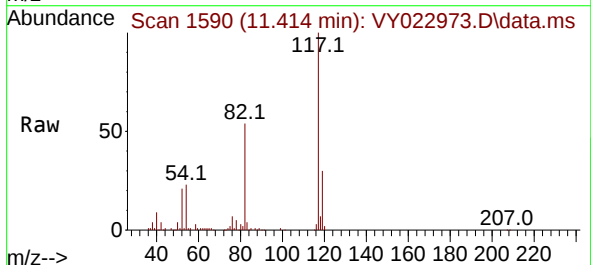
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

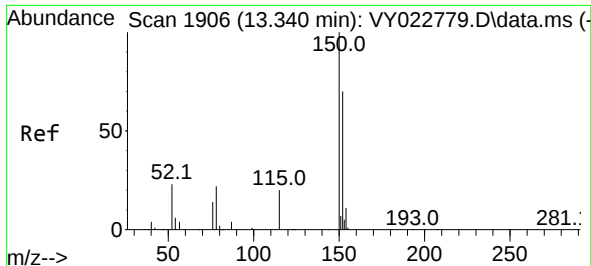
Tgt Ion: 95 Resp: 53758
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.0
176 81.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

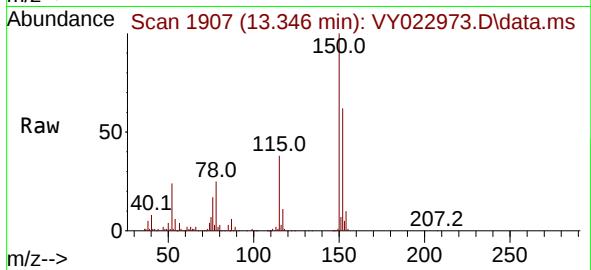
Tgt Ion: 117 Resp: 132394
Ion Ratio Lower Upper
117 100
82 54.0 44.6 66.8
119 29.7 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022973.D
 Acq: 08 Jul 2025 14:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOCRE



Tgt Ion:152 Resp: 52512
 Ion Ratio Lower Upper
 152 100
 115 59.8 28.9 86.7
 150 160.5 0.0 349.6

