

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022880.D
 Acq On : 30 Jun 2025 15:15
 Operator : SY/MD
 Sample : Q2457-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-2-062725

Quant Time: Jul 01 03:38:37 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)

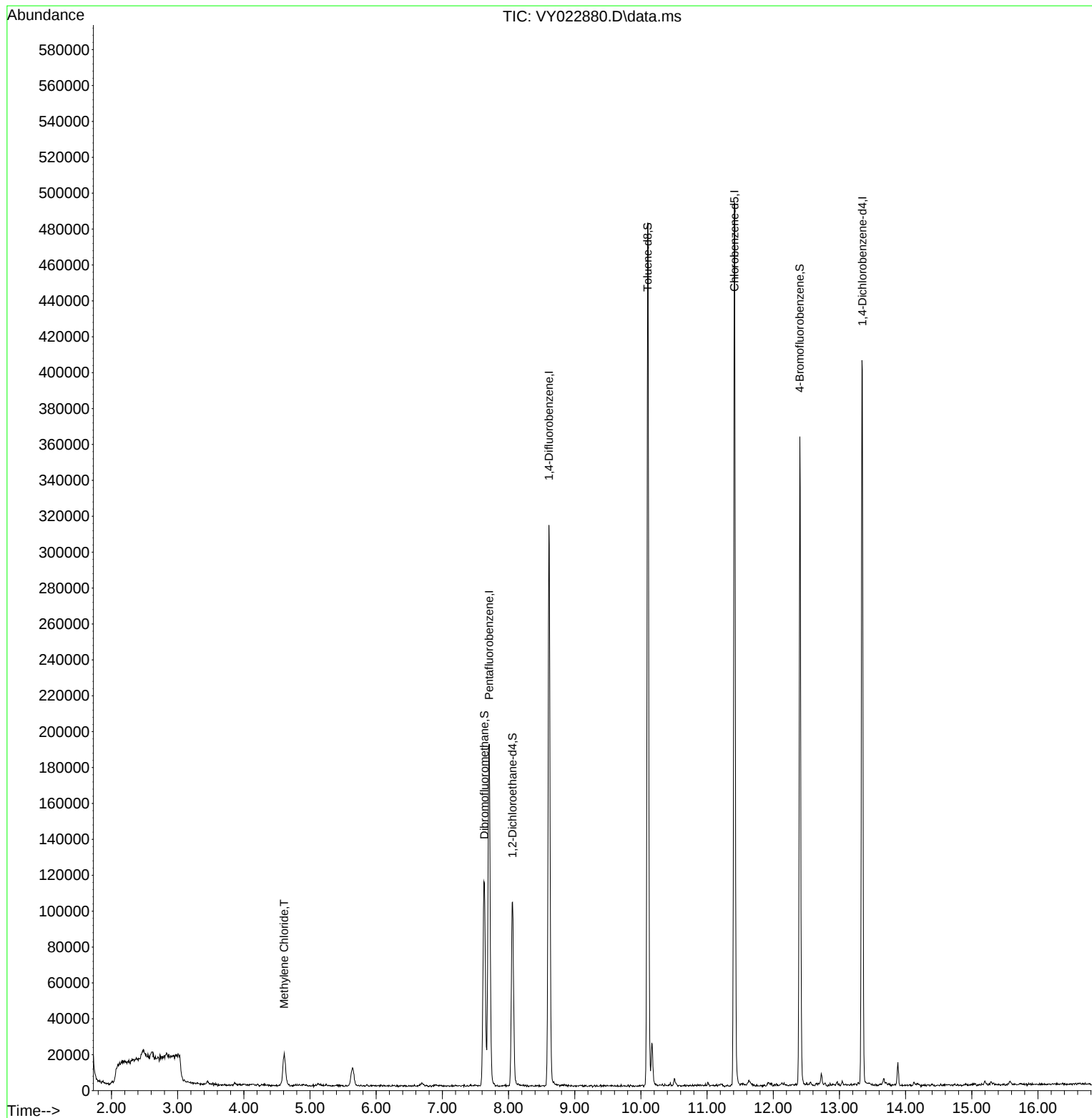
Internal Standards						
1) Pentafluorobenzene	7.707	168	144343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	261270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	102584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87032	54.023	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.040%	
35) Dibromofluoromethane	7.634	113	84371	53.100	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.200%	
50) Toluene-d8	10.103	98	308111	48.867	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.740%	
62) 4-Bromofluorobenzene	12.401	95	105264	51.934	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.860%	
Target Compounds						
20) Methylene Chloride	4.610	84	12414	6.456	ug/l	97

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

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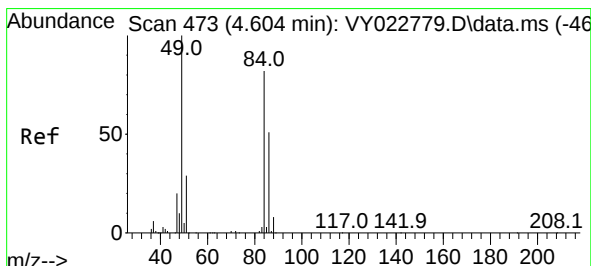
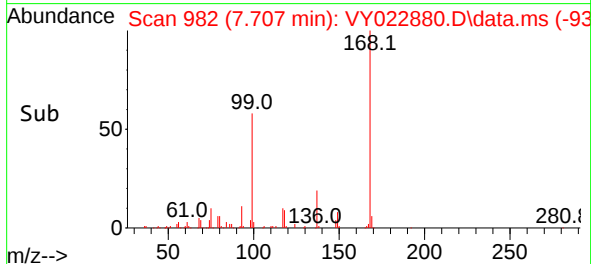
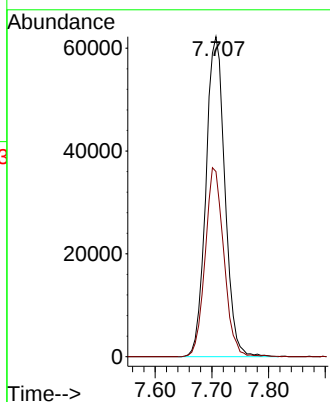
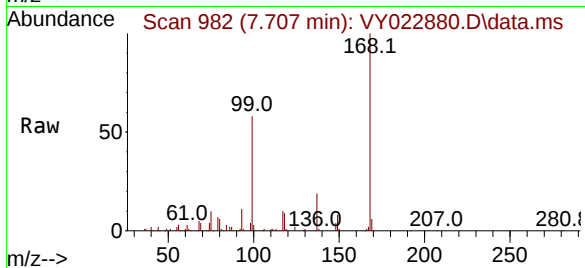




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

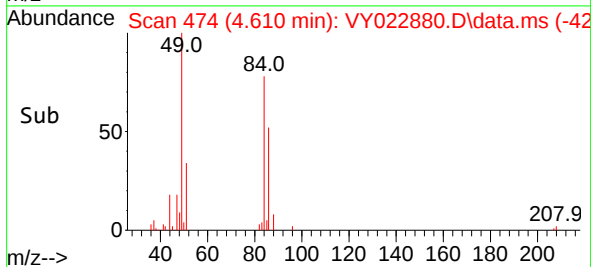
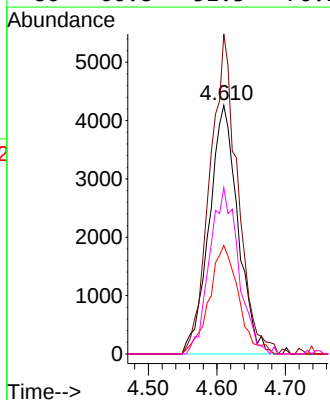
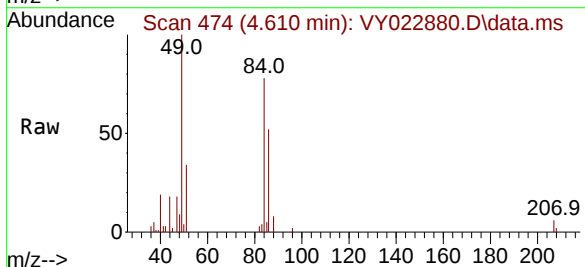
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725

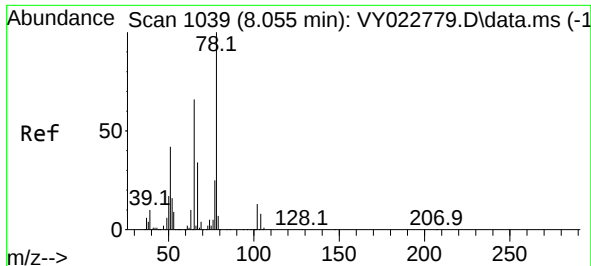
Tgt Ion:168 Resp: 144343
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5



#20
Methylene Chloride
Concen: 6.456 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

Tgt Ion: 84 Resp: 12414
Ion Ratio Lower Upper
84 100
49 128.7 101.9 152.9
51 43.6 29.8 44.8
86 66.8 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 54.023 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022880.D

Acq: 30 Jun 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

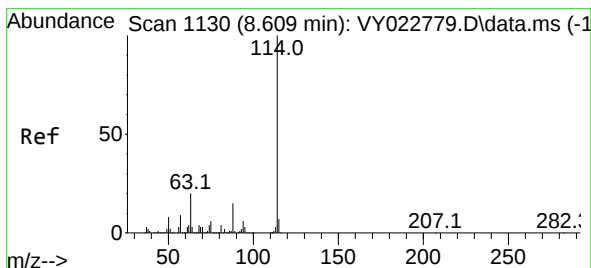
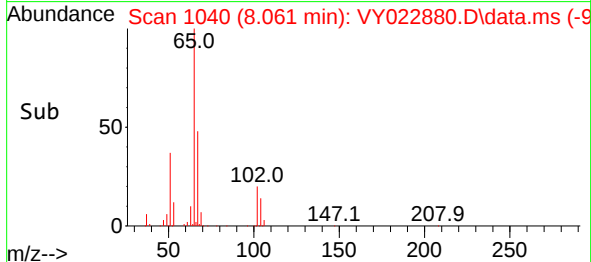
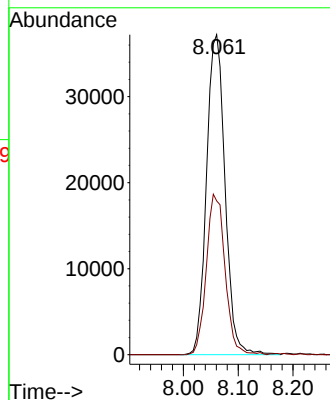
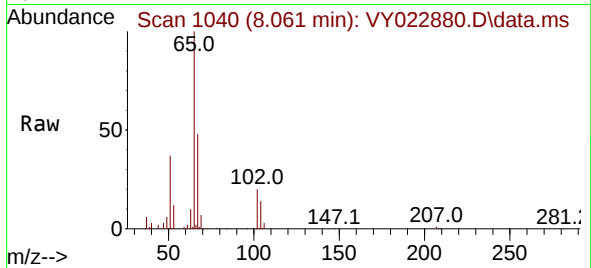
OK-2-062725

Tgt Ion: 65 Resp: 87032

Ion Ratio Lower Upper

65 100

67 50.7 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: VY022880.D

Acq: 30 Jun 2025 15:15

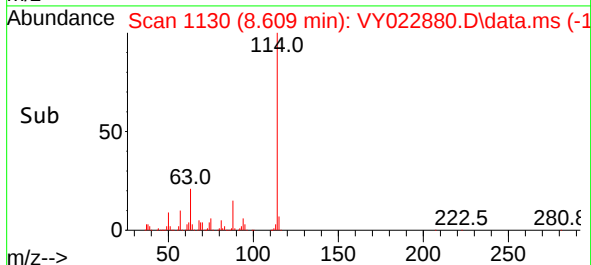
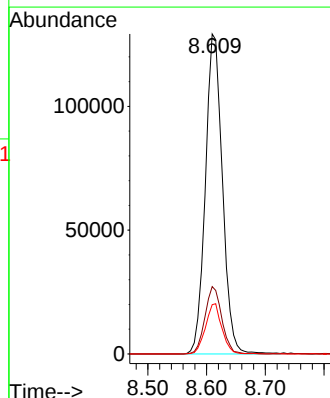
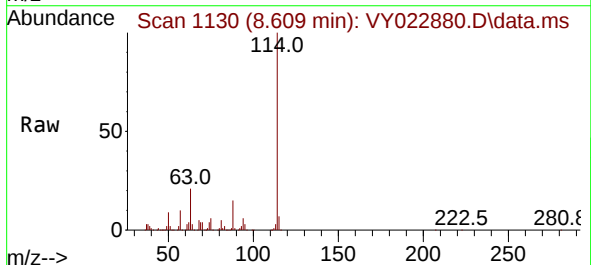
Tgt Ion:114 Resp: 261270

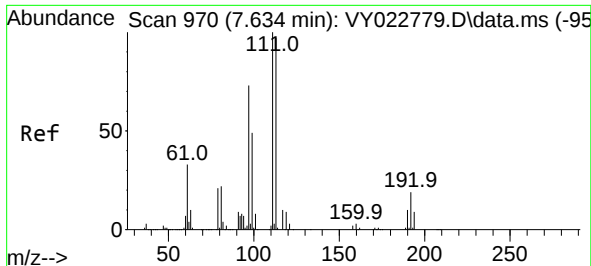
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.4 0.0 27.8

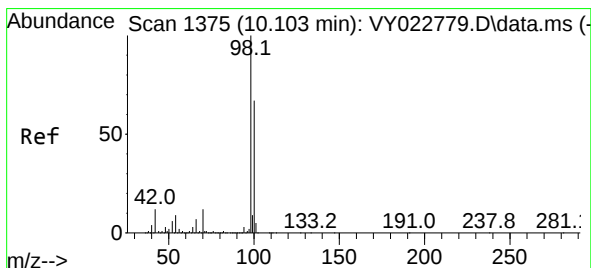
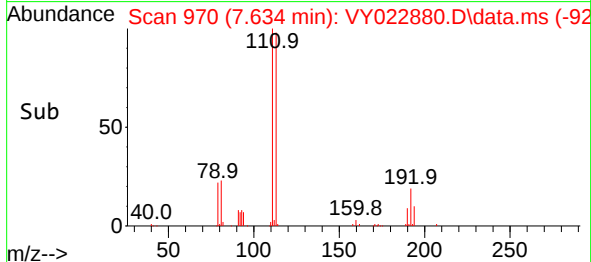
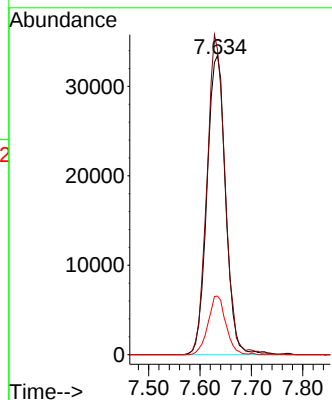
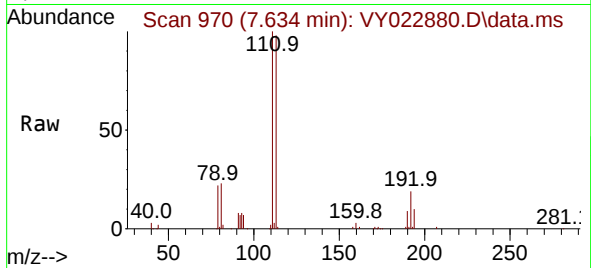




#35
Dibromofluoromethane
Concen: 53.100 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

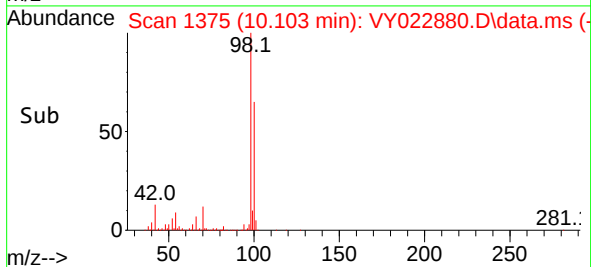
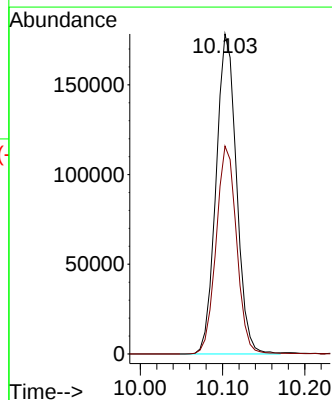
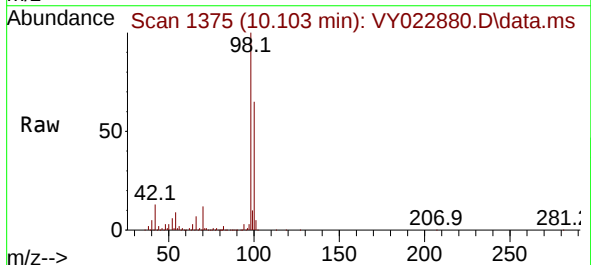
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725

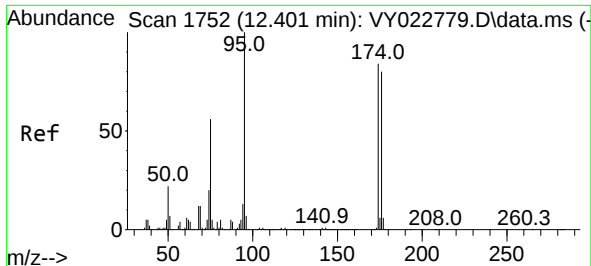
Tgt Ion:113 Resp: 84371
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 18.8 14.2 21.2



#50
Toluene-d8
Concen: 48.867 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

Tgt Ion: 98 Resp: 308111
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0

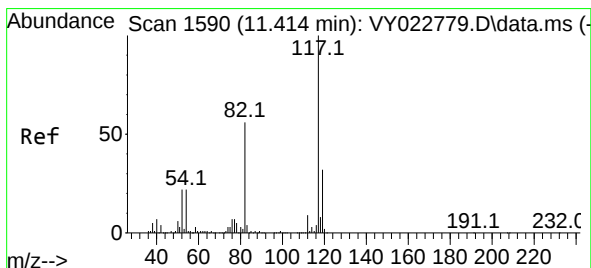
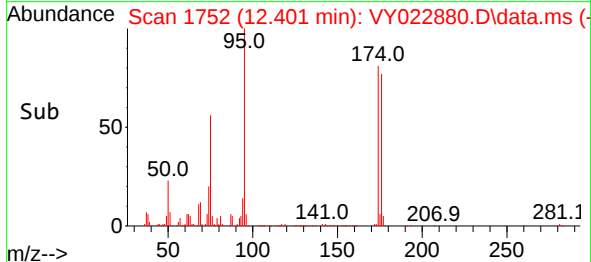
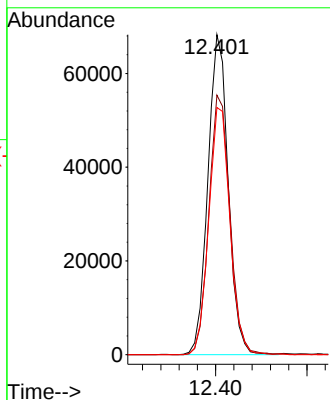
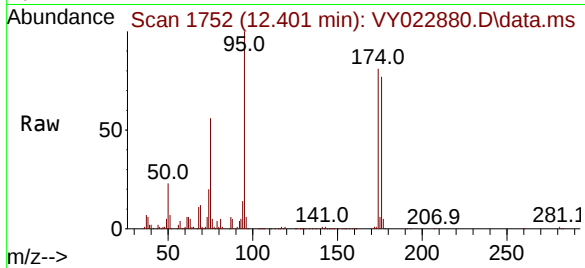




#62
4-Bromofluorobenzene
Concen: 51.934 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

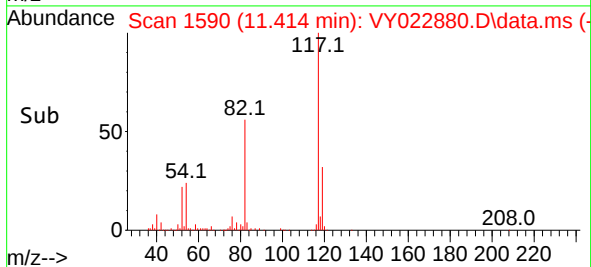
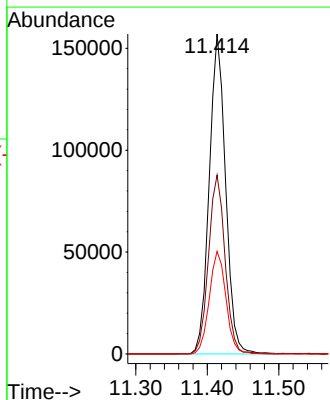
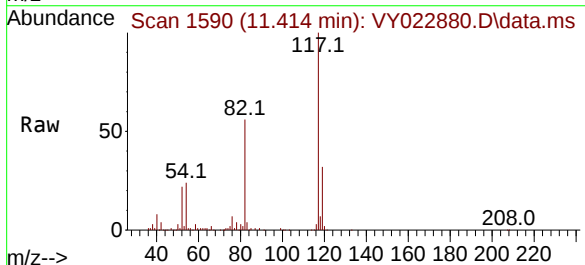
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725

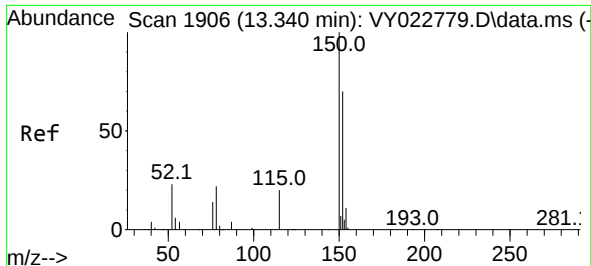
Tgt Ion:	95	Resp:	105264
Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	170.0
176	80.5	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

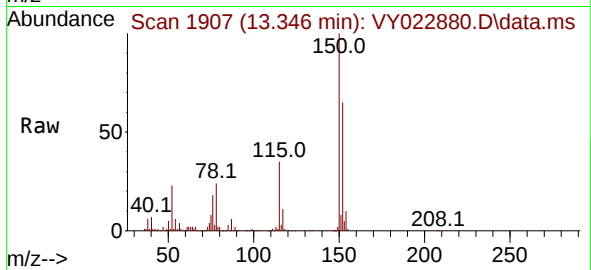
Tgt Ion:	117	Resp:	248926
Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	66.8
119	32.1	25.4	38.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725



Tgt Ion:152 Resp: 102584
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.7
150 155.4 0.0 349.6

