

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022823.D
 Acq On : 25 Jun 2025 14:32
 Operator : SY/MD
 Sample : Q2413-05
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-73

Quant Time: Jun 26 01:26:27 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)

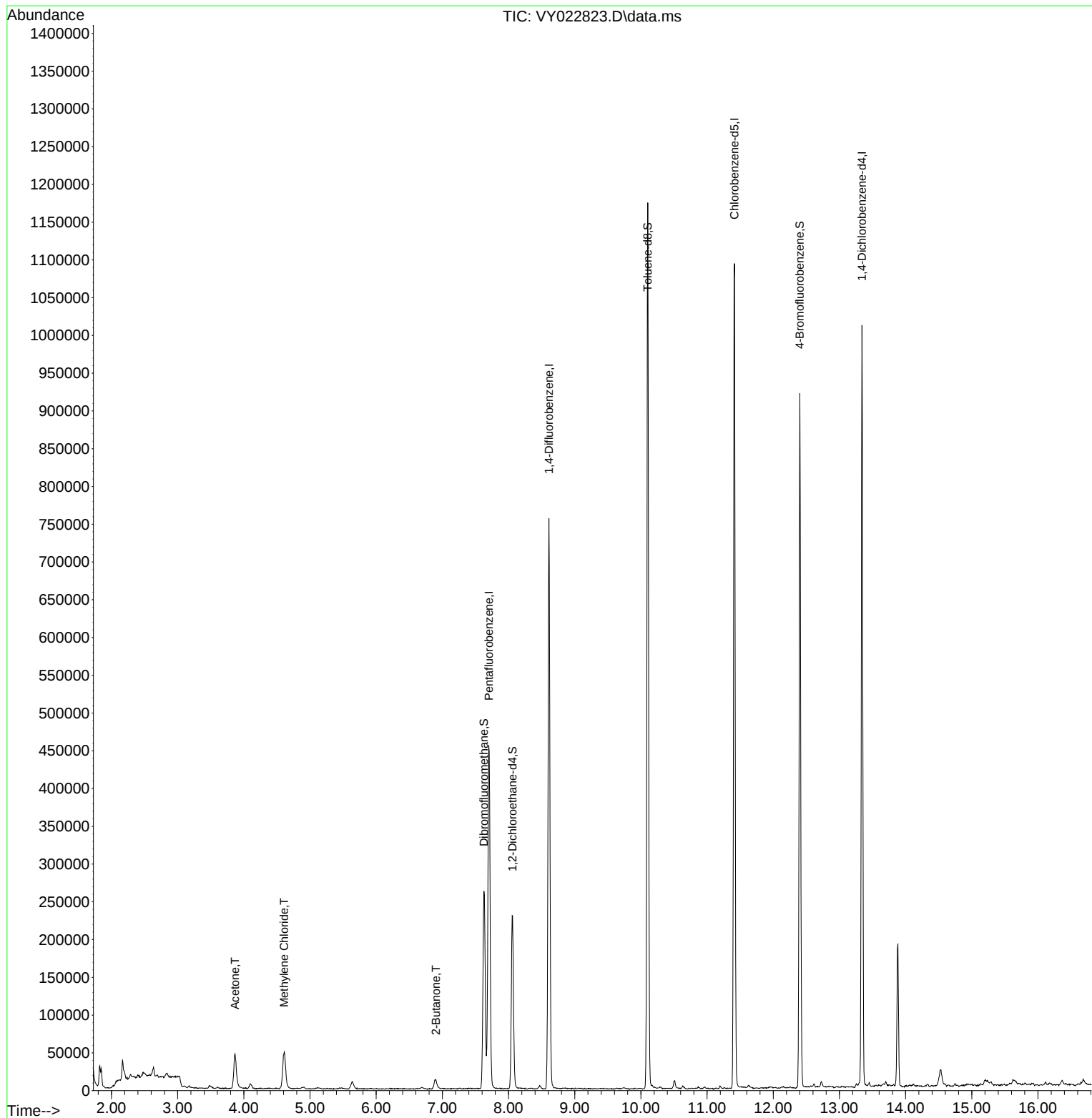
Internal Standards						
1) Pentafluorobenzene	7.701	168	352660	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	632034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	567782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	243559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	182145	46.276	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.560%
35) Dibromofluoromethane	7.628	113	189784	49.375	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.760%
50) Toluene-d8	10.103	98	746630	48.951	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.900%
62) 4-Bromofluorobenzene	12.401	95	246645	50.303	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.600%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	83658	112.452	ug/l	96
20) Methylene Chloride	4.610	84	36735	7.819	ug/l	84
25) 2-Butanone	6.902	43	20062	18.529	ug/l	98

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

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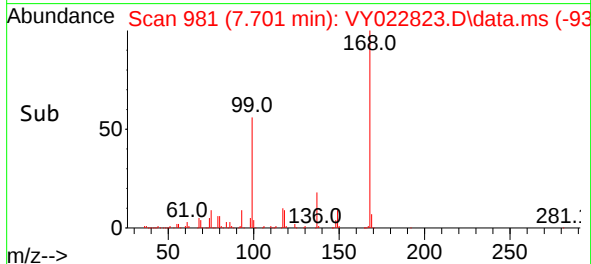
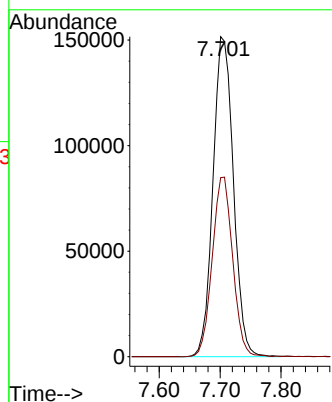
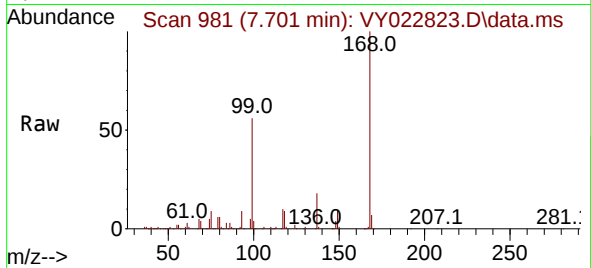




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

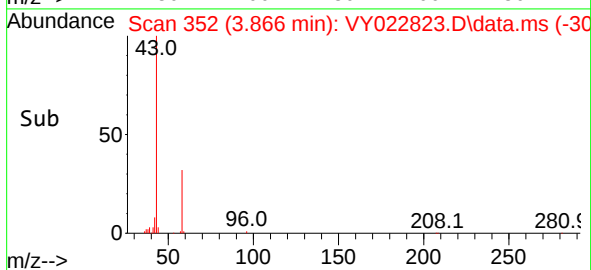
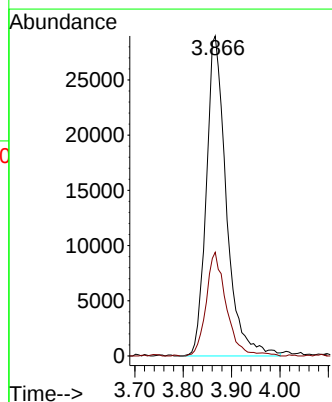
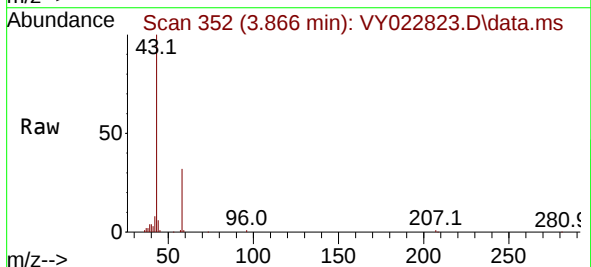
Instrument :
MSVOA_Y
ClientSampleId :
TP-73

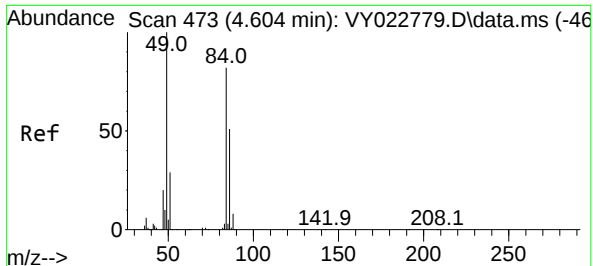
Tgt Ion:168 Resp: 352660
Ion Ratio Lower Upper
168 100
99 55.9 44.3 66.5



#16
Acetone
Concen: 112.452 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion: 43 Resp: 83658
Ion Ratio Lower Upper
43 100
58 32.4 24.0 36.0

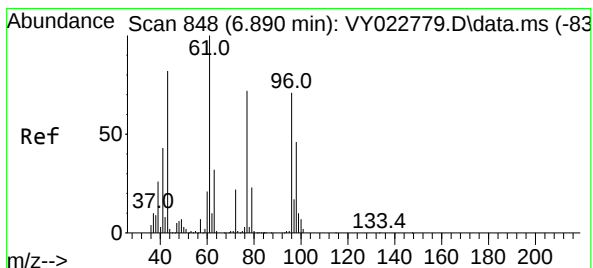
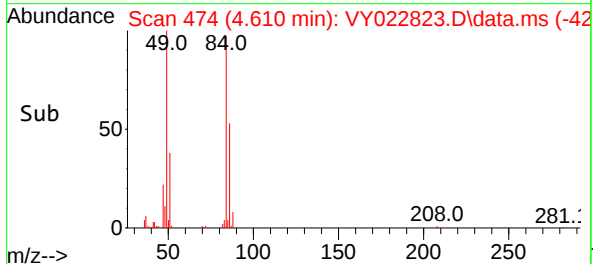
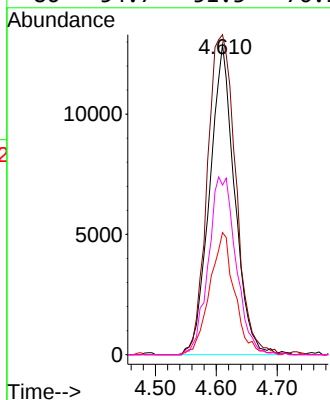
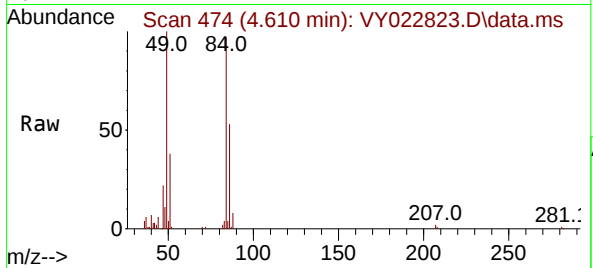




#20
Methylene Chloride
Concen: 7.819 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

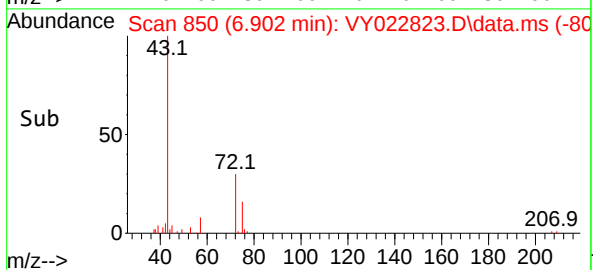
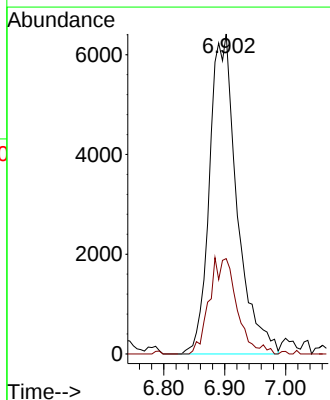
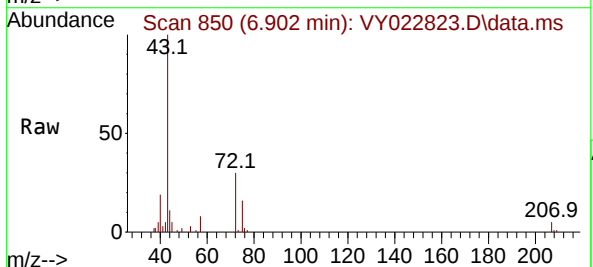
Instrument :
MSVOA_Y
ClientSampleId :
TP-73

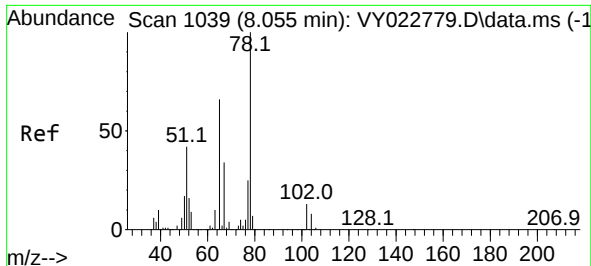
Tgt Ion:	84	Resp:	36735
Ion	Ratio	Lower	Upper
84	100		
49	103.2	101.9	152.9
51	39.4	29.8	44.8
86	54.7	51.3	76.9



#25
2-Butanone
Concen: 18.529 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion:	43	Resp:	20062
Ion	Ratio	Lower	Upper
43	100		
72	29.8	22.9	34.3





#33

1,2-Dichloroethane-d4

Concen: 46.276 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022823.D

Acq: 25 Jun 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

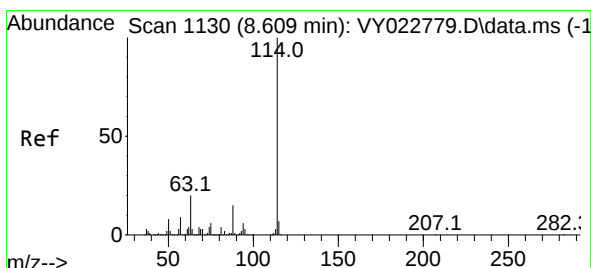
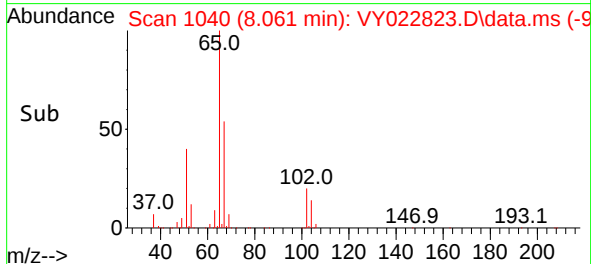
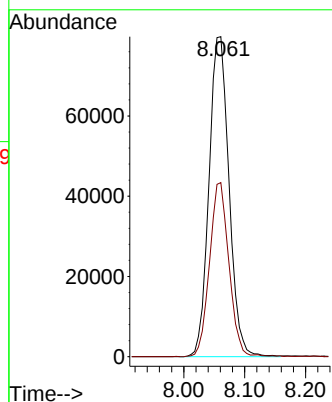
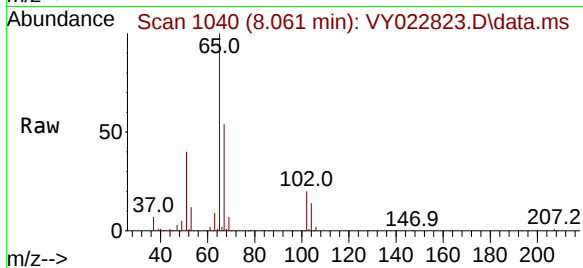
TP-73

Tgt Ion: 65 Resp: 182145

Ion Ratio Lower Upper

65 100

67 52.8 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: VY022823.D

Acq: 25 Jun 2025 14:32

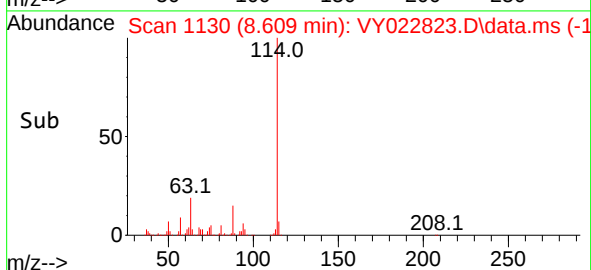
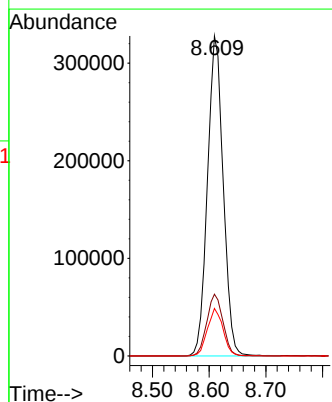
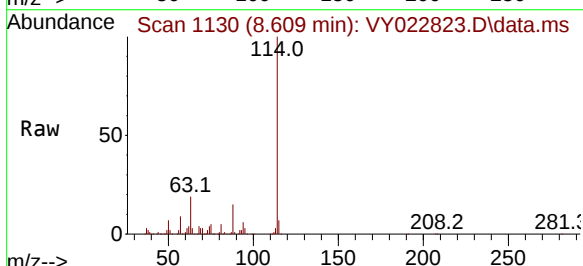
Tgt Ion: 114 Resp: 632034

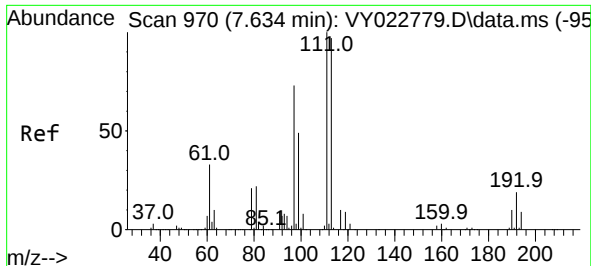
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

88 14.8 0.0 27.8

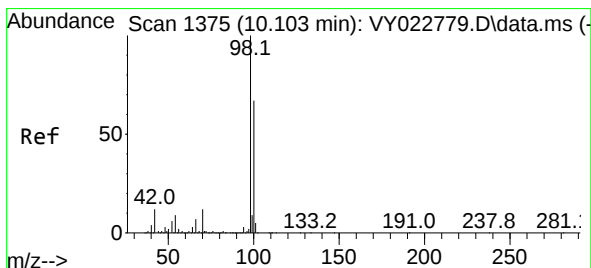
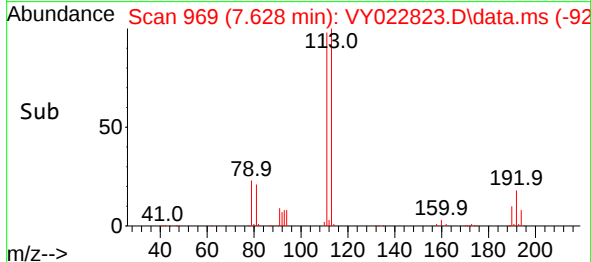
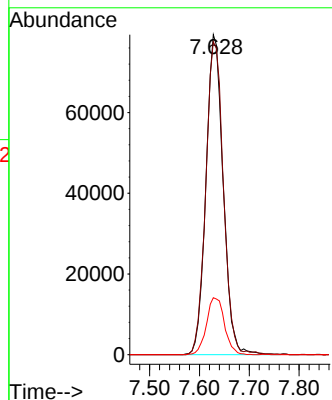
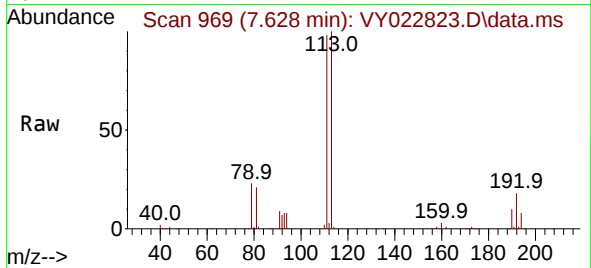




#35
Dibromofluoromethane
Concen: 49.375 ug/l
RT: 7.628 min Scan# 912
Delta R.T. -0.012 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

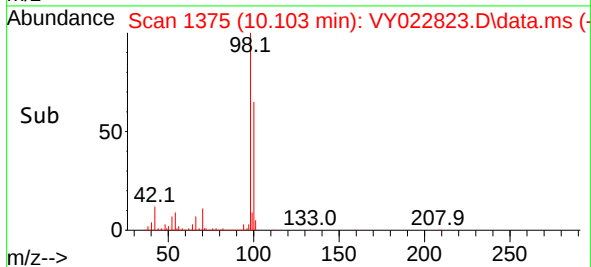
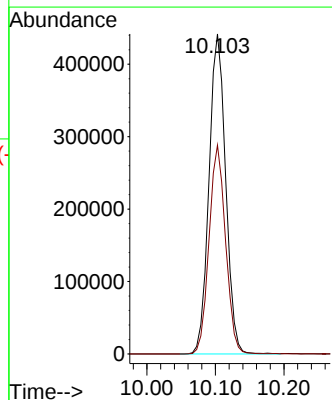
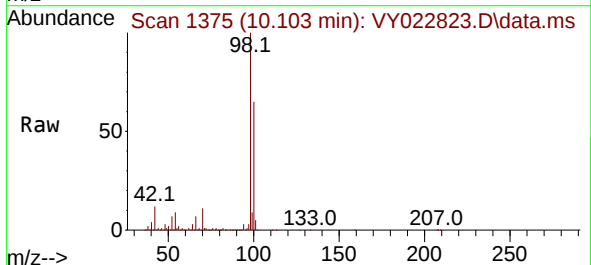
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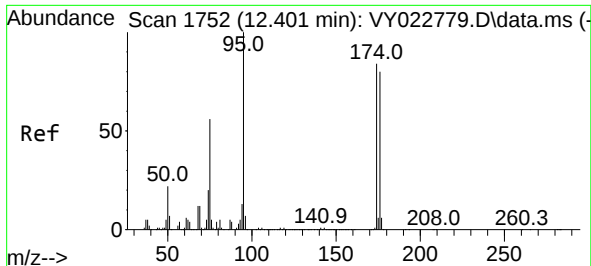
Tgt Ion:113 Resp: 189784
Ion Ratio Lower Upper
113 100
111 100.4 81.1 121.7
192 18.7 14.2 21.2



#50
Toluene-d8
Concen: 48.951 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion: 98 Resp: 746630
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

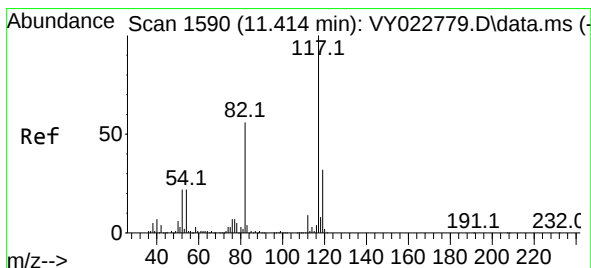
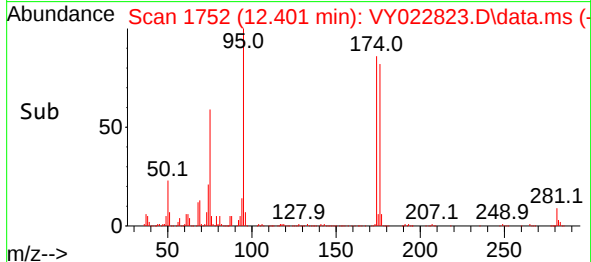
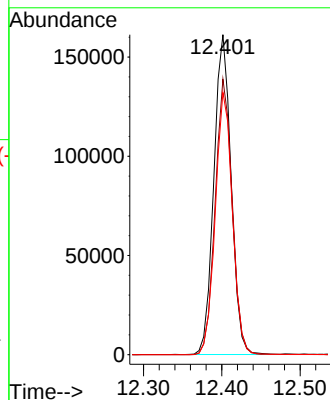
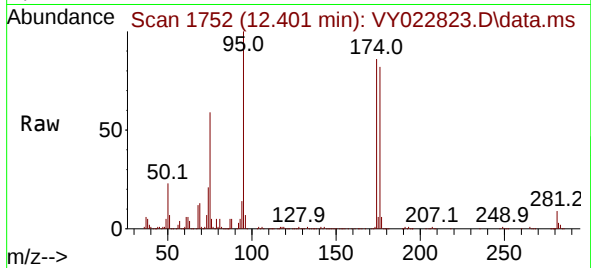




#62
4-Bromofluorobenzene
Concen: 50.303 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

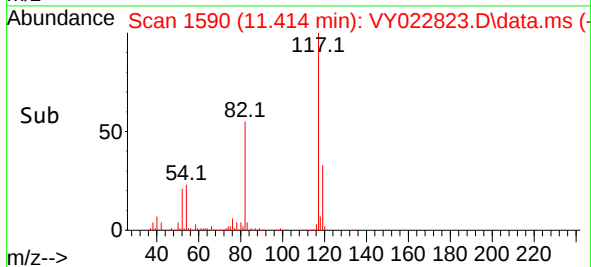
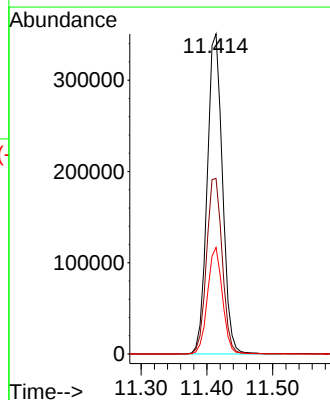
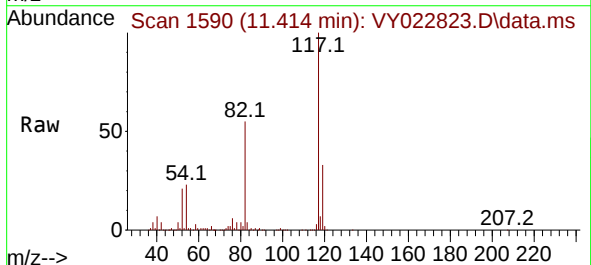
Instrument :
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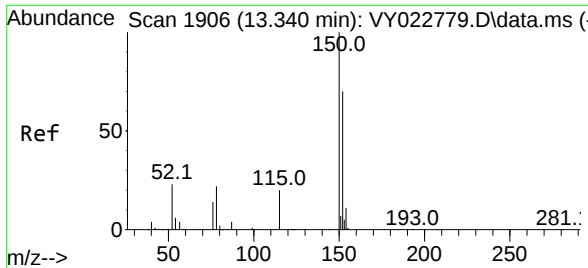
Tgt Ion: 95 Resp: 246645
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 81.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion: 117 Resp: 567782
Ion Ratio Lower Upper
117 100
82 54.8 44.6 66.8
119 33.3 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: VY022823.D
 Acq: 25 Jun 2025 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-73

Tgt Ion:152	Resp:	243559
Ion	Ratio	Lower Upper
152	100	
115	57.3	28.9 86.7
150	155.2	0.0 349.6

