

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023240.D
 Acq On : 29 Aug 2025 12:21
 Operator : SY/MD
 Sample : Q2971-25
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP7

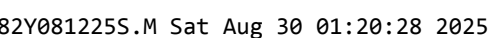
Quant Time: Aug 30 01:20:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	558310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1077084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	991867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	396880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	322798	60.664	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.320%	
35) Dibromofluoromethane	7.634	113	357935	55.537	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.080%	
50) Toluene-d8	10.109	98	1299252	51.603	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.200%	
62) 4-Bromofluorobenzene	12.407	95	388563	47.988	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.980%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1236	1.072	ug/l #	60
31) Cyclohexane	7.707	56	10652	1.075	ug/l #	14
36) 1,1-Dichloropropene	7.707	75	41576	4.341	ug/l #	49
38) Carbon Tetrachloride	7.713	117	53806	5.172	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	4850	1.156	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	193692	50.568	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	193692	122.409	ug/l #	14

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

Quant Time: Aug 30 01:20:16 2025
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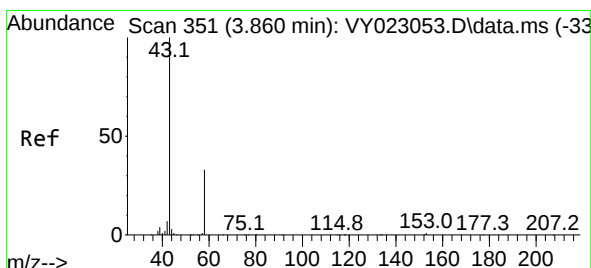
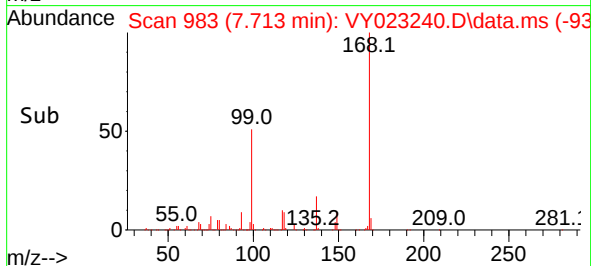
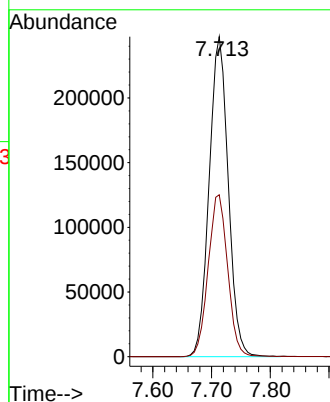
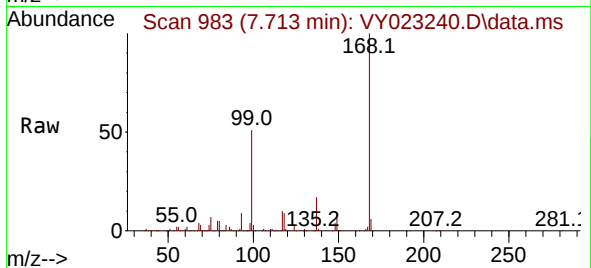




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023240.D
Acq: 29 Aug 2025 12:21

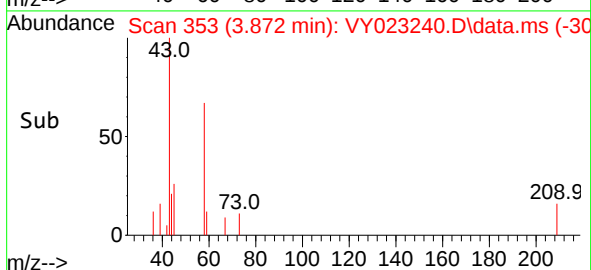
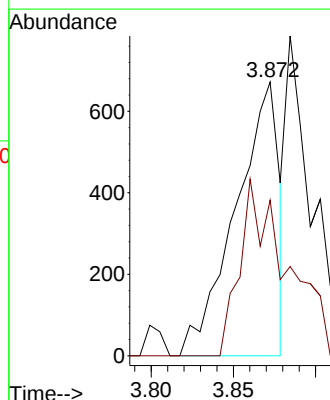
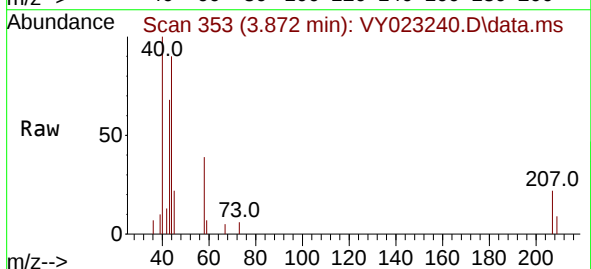
Instrument :
MSVOA_Y
ClientSampleId :
TP7

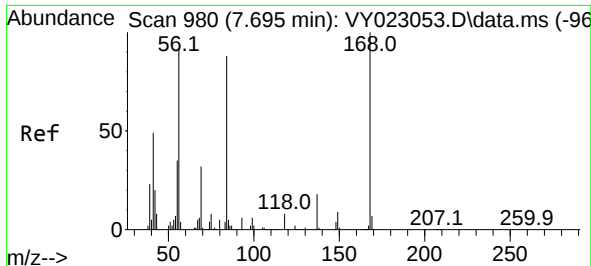
Tgt Ion:168 Resp: 558310
Ion Ratio Lower Upper
168 100
99 50.6 42.8 64.2



#16
Acetone
Concen: 1.072 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023240.D
Acq: 29 Aug 2025 12:21

Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
58 56.8 27.1 40.7#

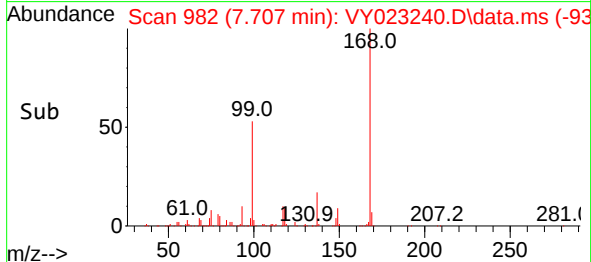
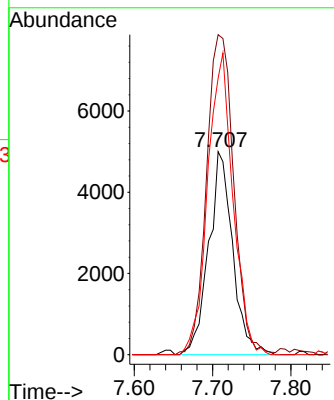
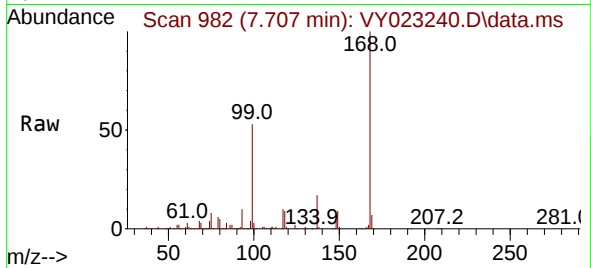




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023240.D
Acq: 29 Aug 2025 12:21

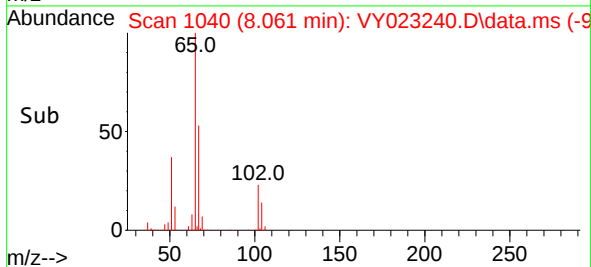
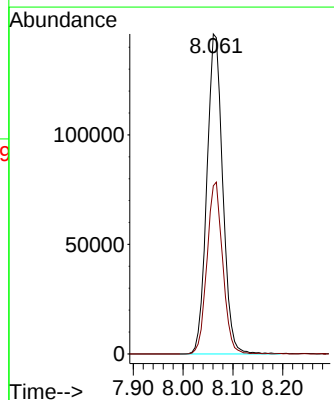
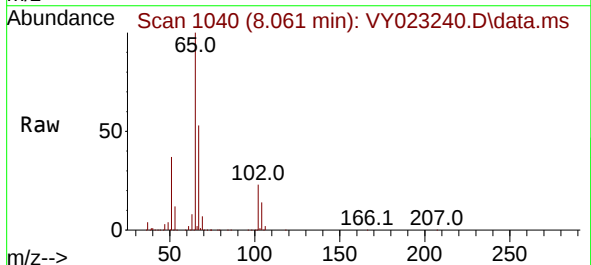
Instrument :
MSVOA_Y
ClientSampleId :
TP7

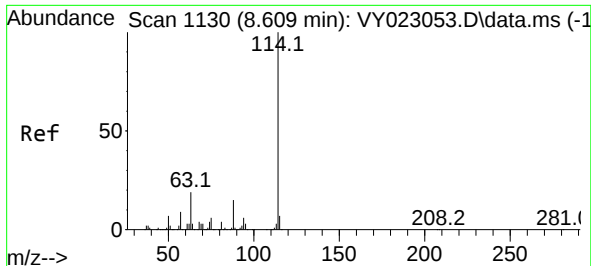
Tgt Ion: 56 Resp: 10652
Ion Ratio Lower Upper
56 100
69 156.2 28.2 42.2#
84 136.2 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 60.664 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023240.D
Acq: 29 Aug 2025 12:21

Tgt Ion: 65 Resp: 322798
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

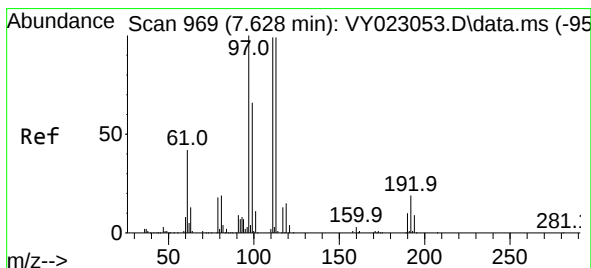
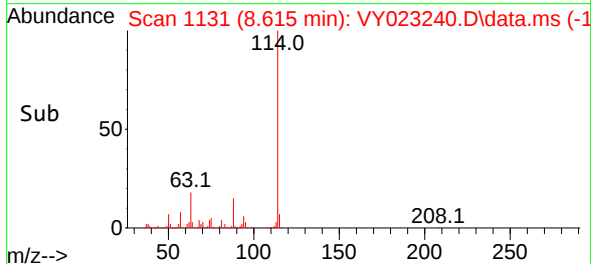
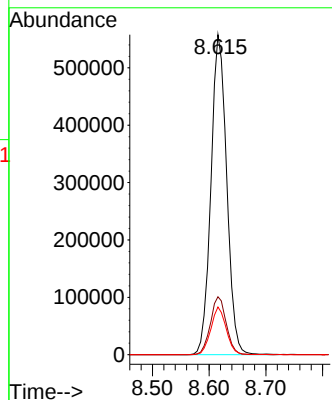
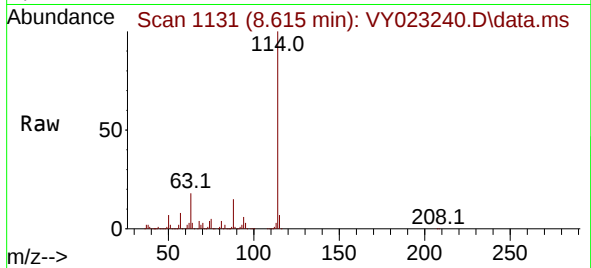




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023240.D
Acq: 29 Aug 2025 12:21

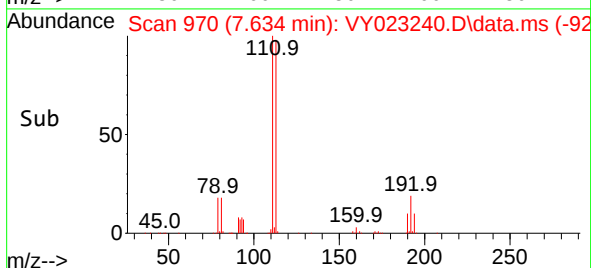
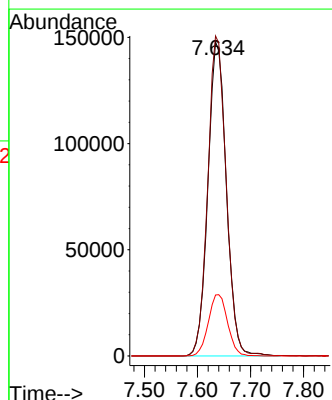
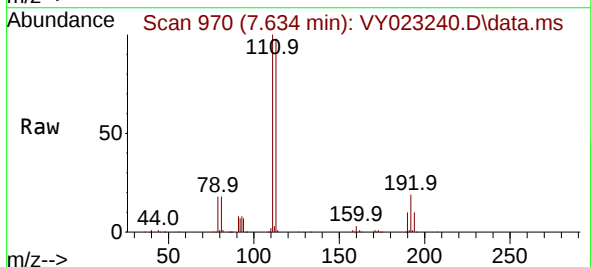
Instrument :
MSVOA_Y
ClientSampleId :
TP7

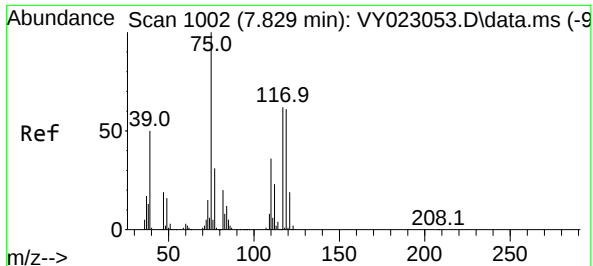
Tgt Ion:114 Resp: 1077084
Ion Ratio Lower Upper
114 100
63 18.1 0.0 38.4
88 14.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.537 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023240.D
Acq: 29 Aug 2025 12:21

Tgt Ion:113 Resp: 357935
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 20.3 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.341 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023240.D

Acq: 29 Aug 2025 12:21

Instrument :

MSVOA_Y

ClientSampleId :

TP7

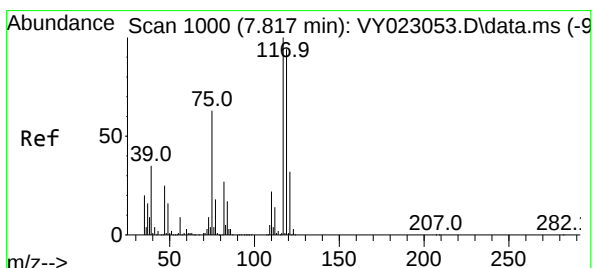
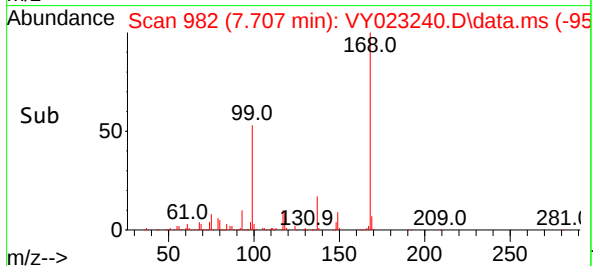
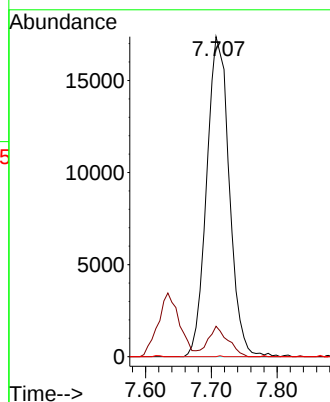
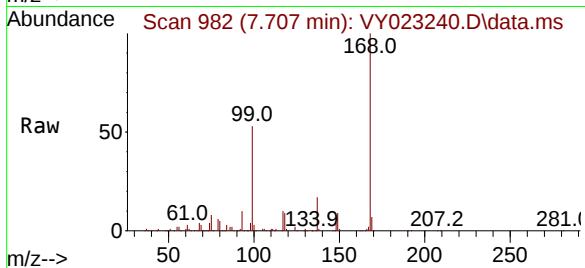
Tgt Ion: 75 Resp: 41576

Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.172 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023240.D

Acq: 29 Aug 2025 12:21

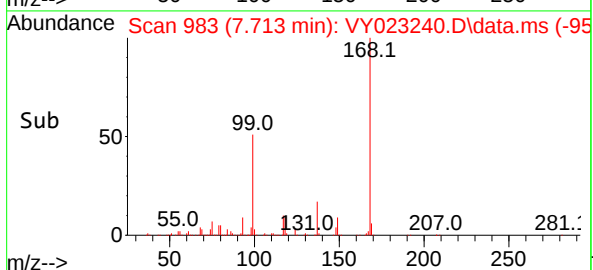
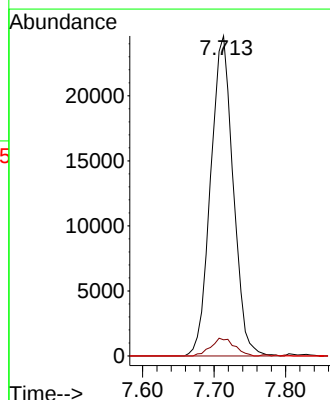
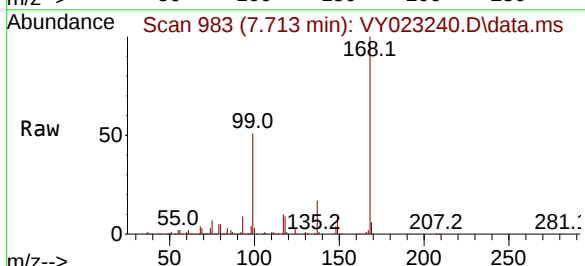
Tgt Ion: 117 Resp: 53806

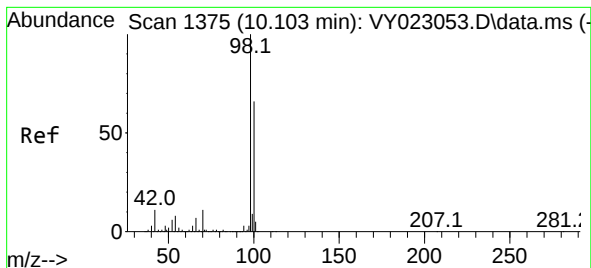
Ion Ratio Lower Upper

117 100

119 5.0 75.6 113.4#

121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 51.603 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY023240.D

Acq: 29 Aug 2025 12:21

Instrument :

MSVOA_Y

ClientSampleId :

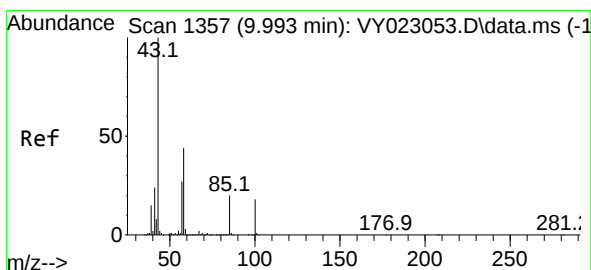
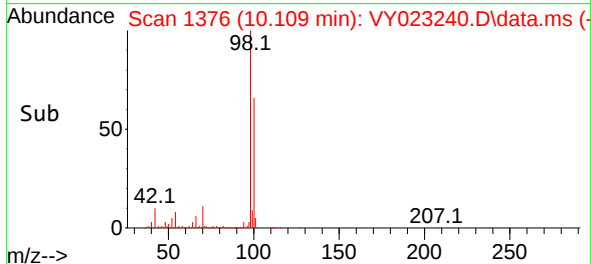
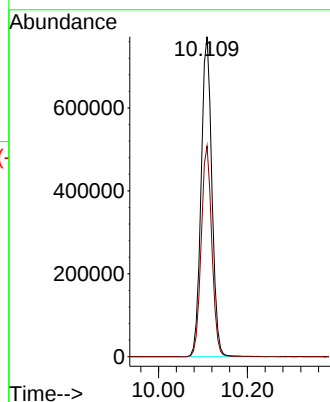
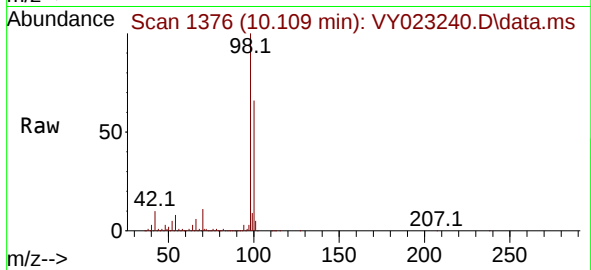
TP7

Tgt Ion: 98 Resp: 1299252

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.156 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.116 min

Lab File: VY023240.D

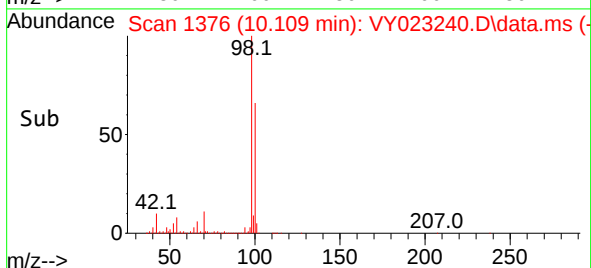
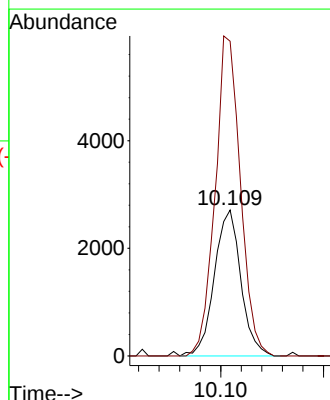
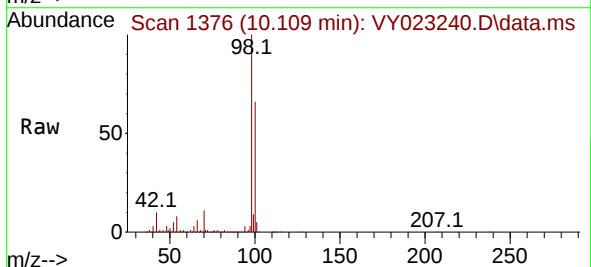
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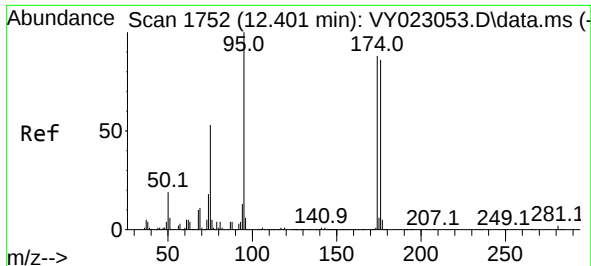
Tgt Ion: 43 Resp: 4850

Ion Ratio Lower Upper

43 100

58 209.2 33.5 50.3#

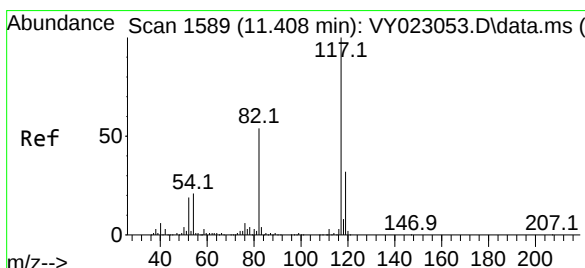
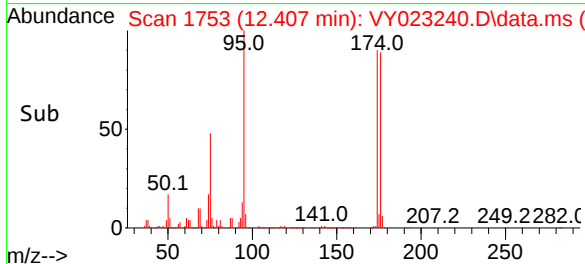
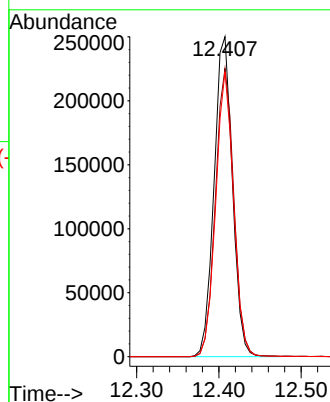
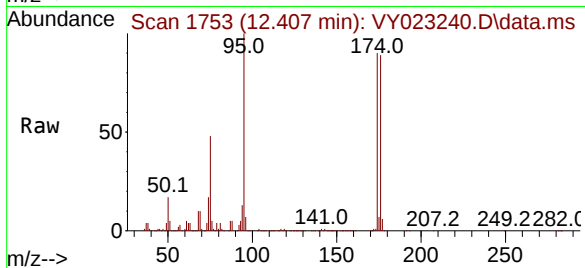




#62
4-Bromofluorobenzene
Concen: 47.988 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023240.D
Acq: 29 Aug 2025 12:21

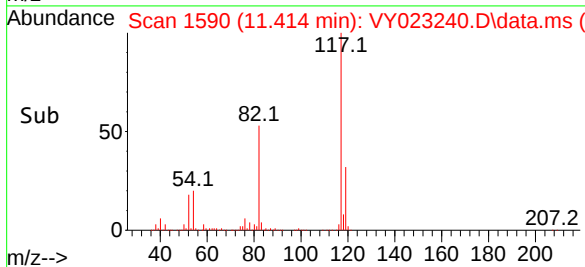
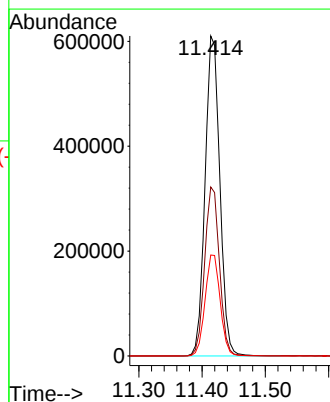
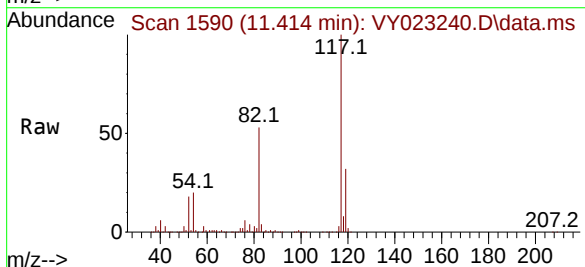
Instrument :
MSVOA_Y
ClientSampleId :
TP7

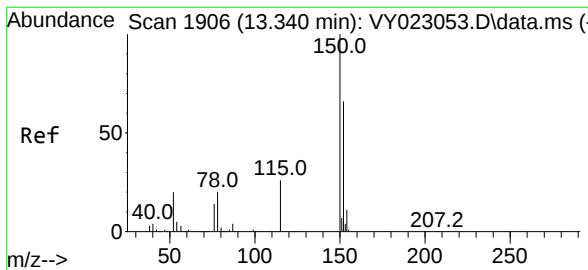
Tgt Ion: 95 Resp: 388563
Ion Ratio Lower Upper
95 100
174 90.5 0.0 171.6
176 86.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023240.D
Acq: 29 Aug 2025 12:21

Tgt Ion: 117 Resp: 991867
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 31.6 25.6 38.4

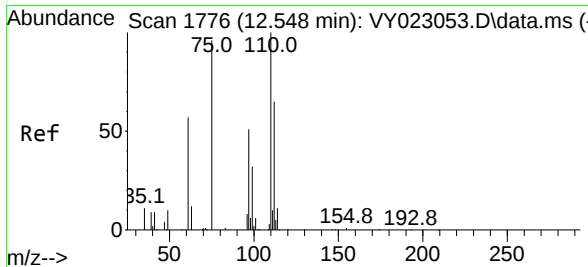
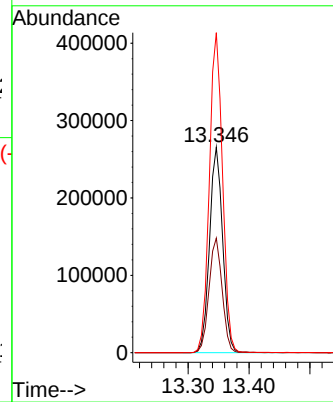
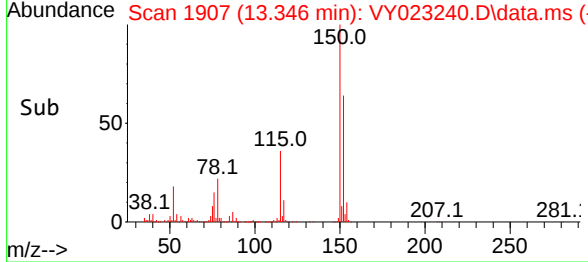
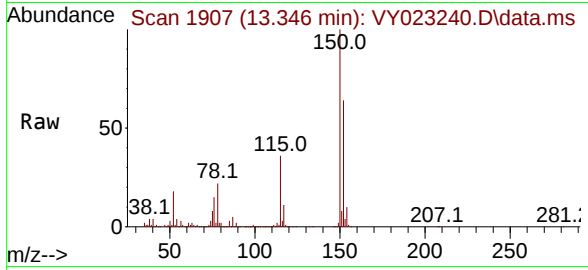




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023240.D
 Acq: 29 Aug 2025 12:21

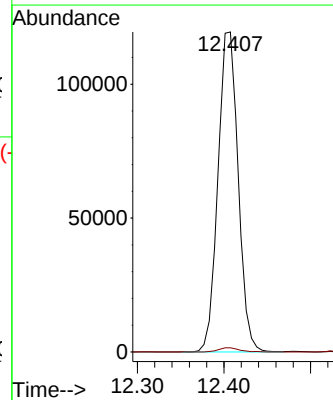
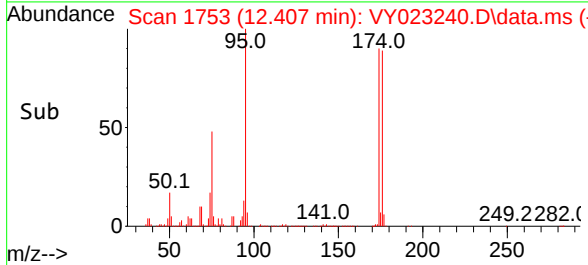
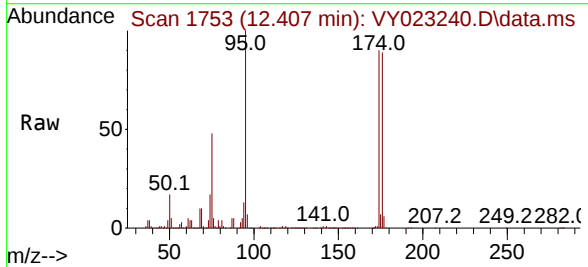
Instrument :
 MSVOA_Y
 ClientSampleId :
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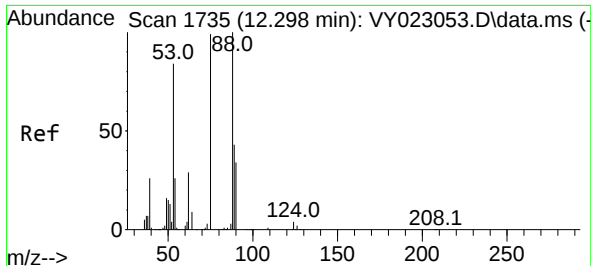
Tgt Ion:	152	Resp:	396880
Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.2	84.6
150	156.6	0.0	348.0



#76
 1,2,3-Trichloropropane
 Concen: 50.568 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.140 min
 Lab File: VY023240.D
 Acq: 29 Aug 2025 12:21

Tgt Ion:	75	Resp:	193692
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.409 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023240.D
 Acq: 29 Aug 2025 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP7

Tgt Ion: 75 Resp: 193692
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.1 38.1 57.1#

