

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022527.D
 Acq On : 03 Jun 2025 16:58
 Operator : SY/MD
 Sample : Q2176-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-56

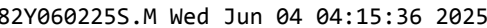
Quant Time: Jun 04 04:15:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	259331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	475112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	372480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	129377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143439	49.454	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.900%
35) Dibromofluoromethane	7.634	113	143691	50.670	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.103	98	564005	49.221	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.402	95	137531	40.283	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.560%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	1906	3.236	ug/l	96
31) Cyclohexane	7.707	56	7150	1.283	ug/l #	16
36) 1,1-Dichloropropene	7.701	75	23198	5.040	ug/l #	50
38) Carbon Tetrachloride	7.707	117	26494	5.611	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2921	1.322	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	81737	55.223	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	81737	133.361	ug/l #	10

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

Quant Time: Jun 04 04:15:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
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QLast Update : Tue Jun 03 03:22:04 2025
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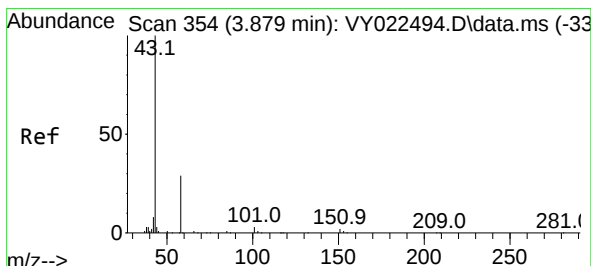
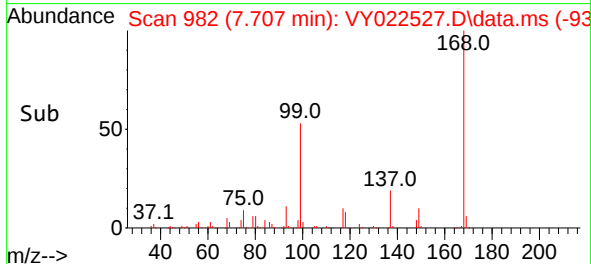
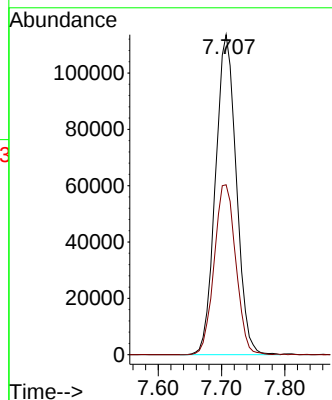
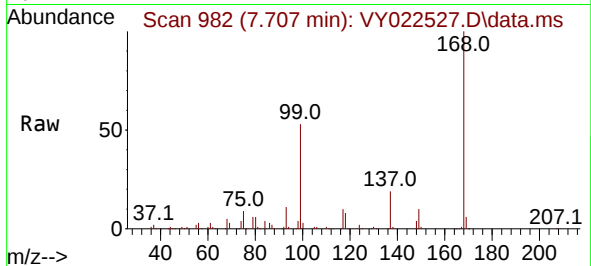




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

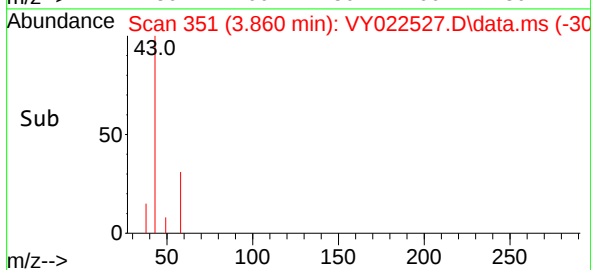
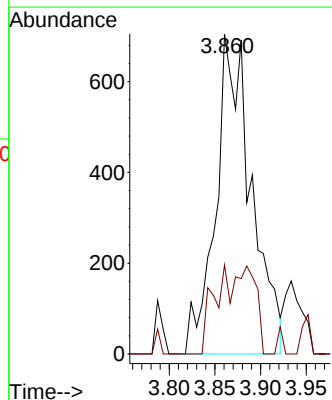
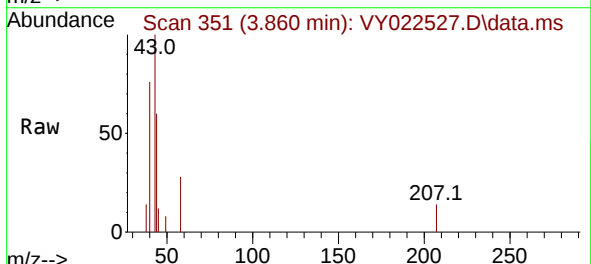
Instrument :
MSVOA_Y
ClientSampleId :
TP-56

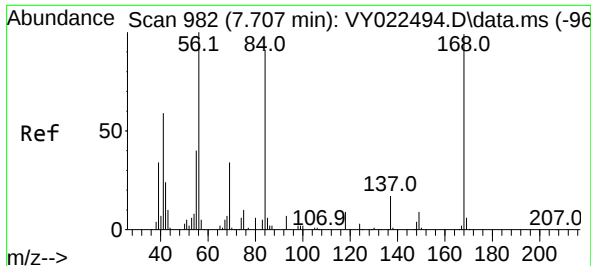
Tgt Ion:168 Resp: 259331
Ion Ratio Lower Upper
168 100
99 53.1 44.3 66.5



#16
Acetone
Concen: 3.236 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
58 27.8 24.0 36.0

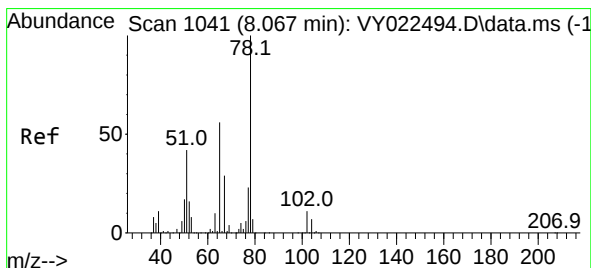
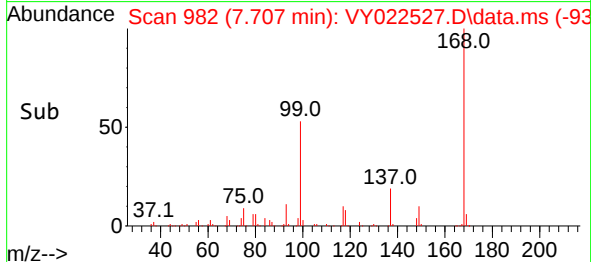
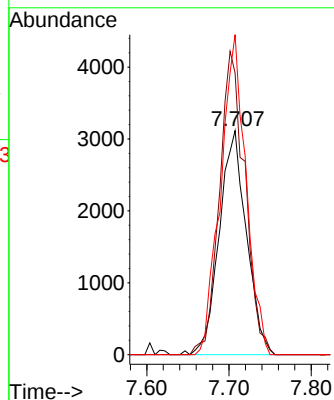
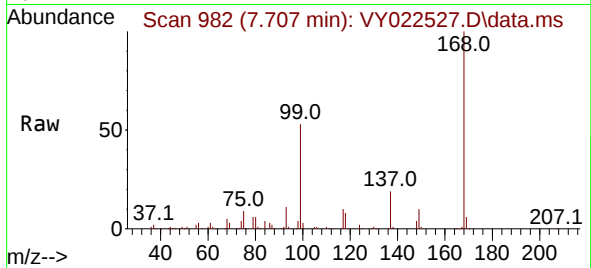




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

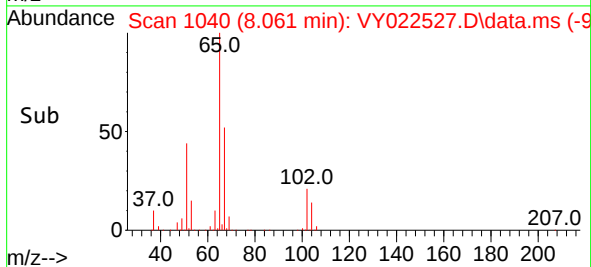
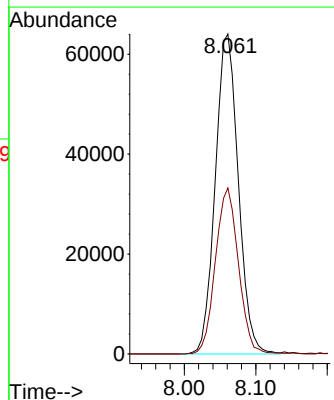
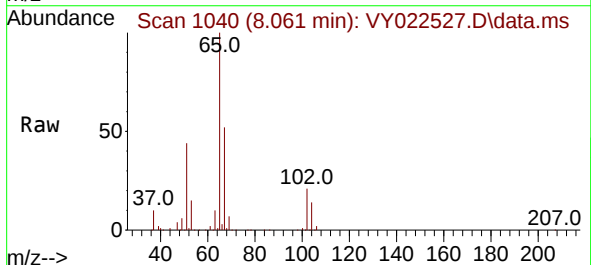
Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Tgt Ion: 56 Resp: 7150
Ion Ratio Lower Upper
56 100
69 125.8 27.0 40.6#
84 142.8 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.454 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion: 65 Resp: 143439
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4

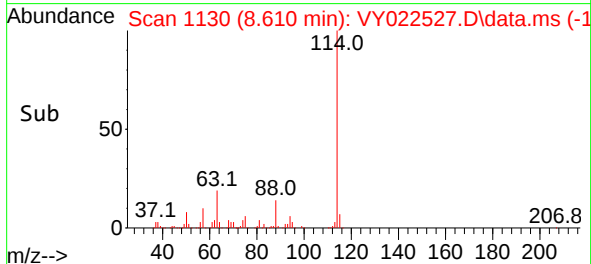
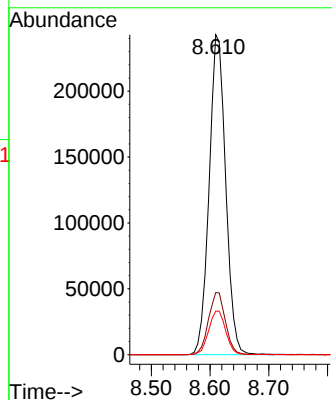
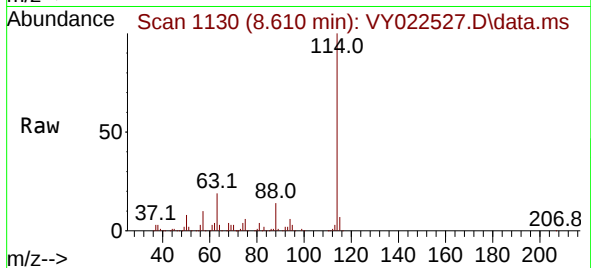




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

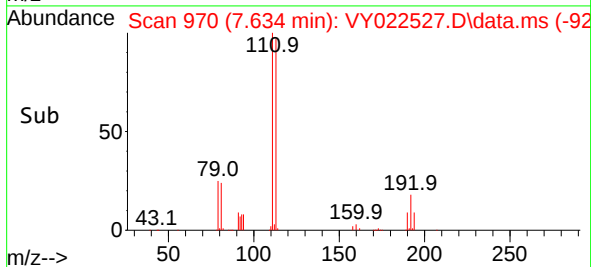
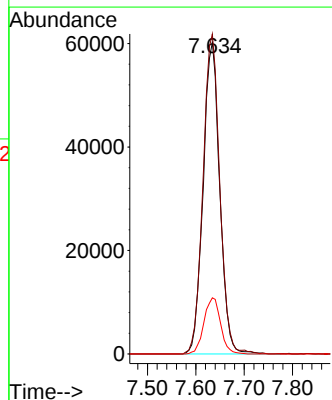
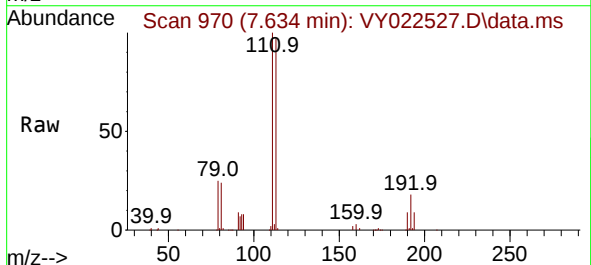
Instrument :
MSVOA_Y
ClientSampleId :
TP-56

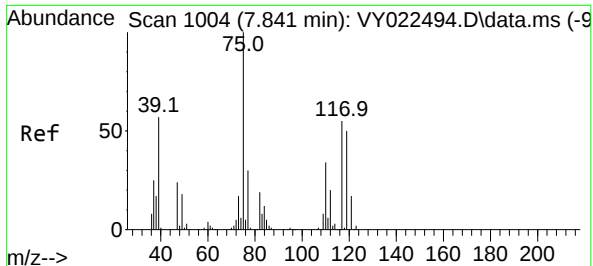
Tgt Ion:114 Resp: 475112
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.8
88 13.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.670 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion:113 Resp: 143691
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 18.0 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 7.701 min Scan# 9

Delta R.T. -0.140 min

Lab File: VY022527.D

Acq: 03 Jun 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-56

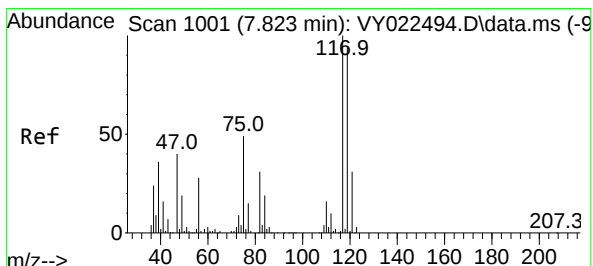
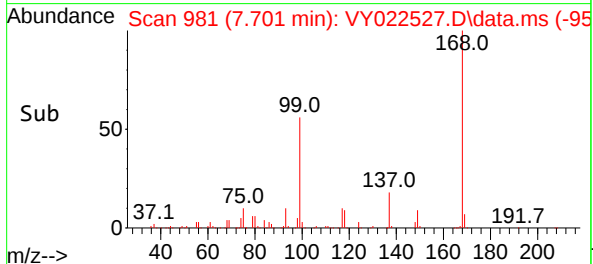
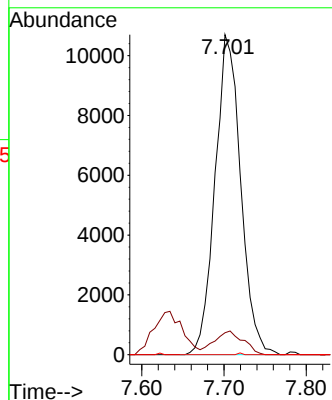
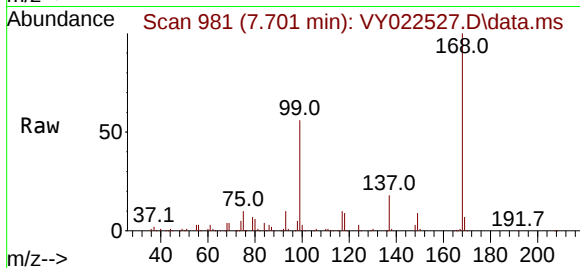
Tgt Ion: 75 Resp: 23198

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.7#

77 0.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.611 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022527.D

Acq: 03 Jun 2025 16:58

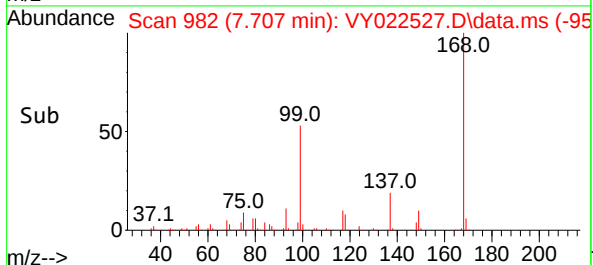
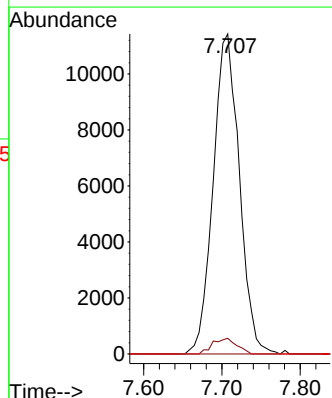
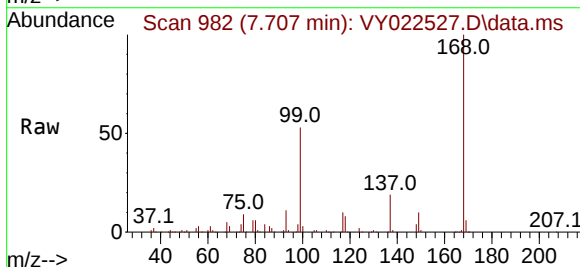
Tgt Ion: 117 Resp: 26494

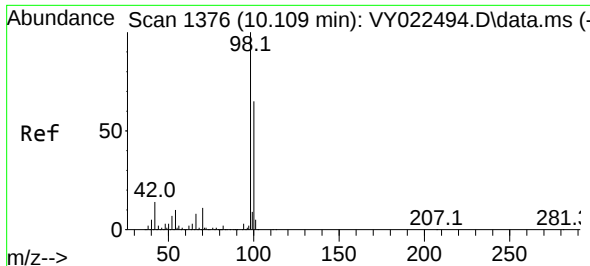
Ion Ratio Lower Upper

117 100

119 4.9 75.0 112.6#

121 0.0 25.0 37.4#

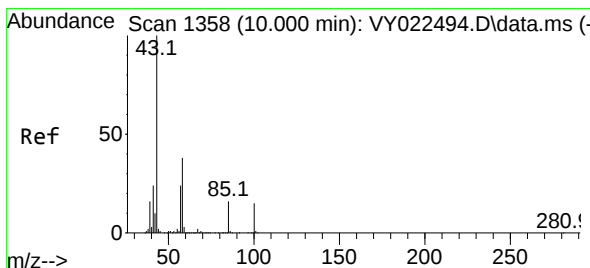
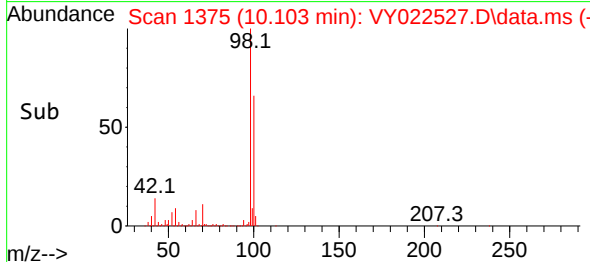
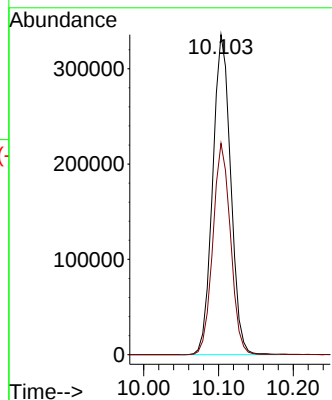
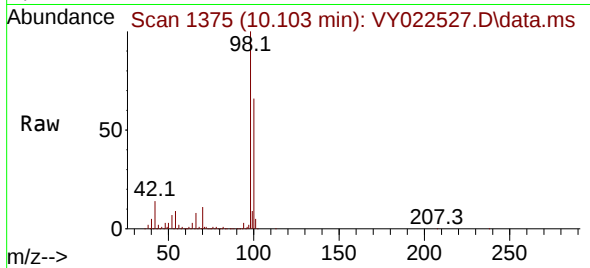




#50
Toluene-d8
Concen: 49.221 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

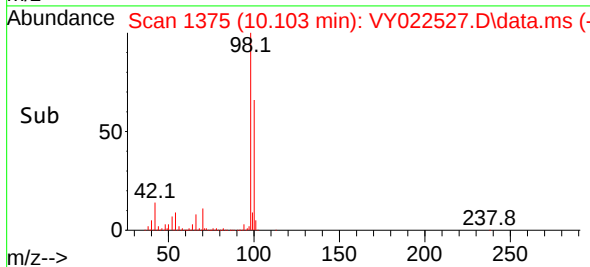
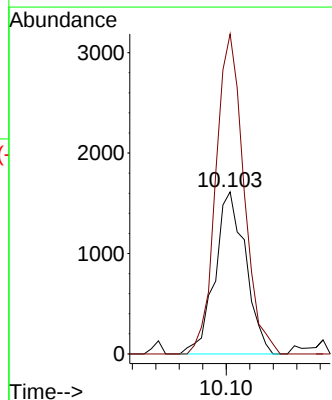
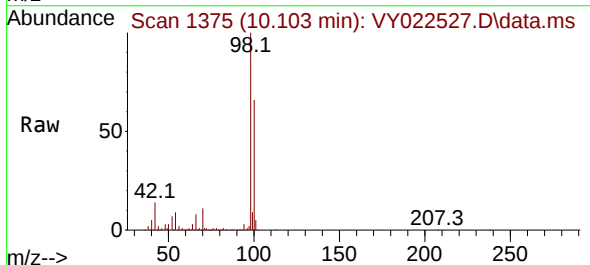
Instrument :
MSVOA_Y
ClientSampleId :
TP-56

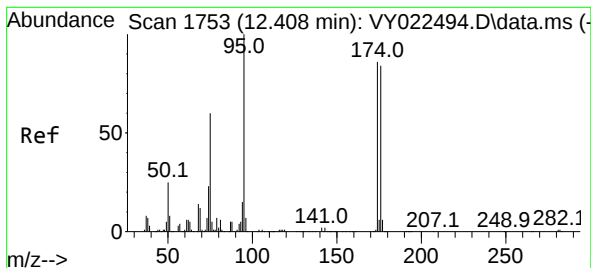
Tgt Ion: 98 Resp: 564005
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.322 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion: 43 Resp: 2921
Ion Ratio Lower Upper
43 100
58 180.9 30.4 45.6#

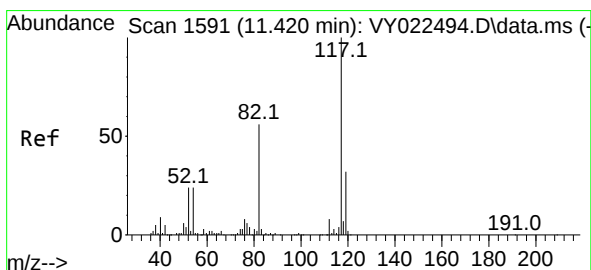
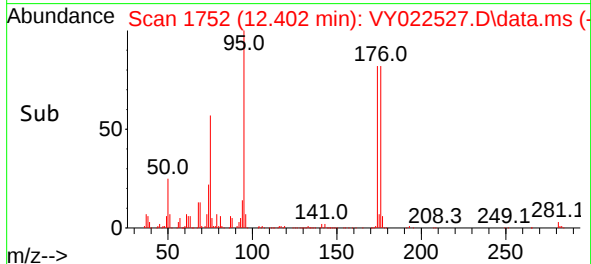
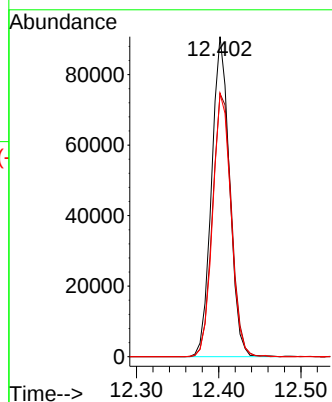
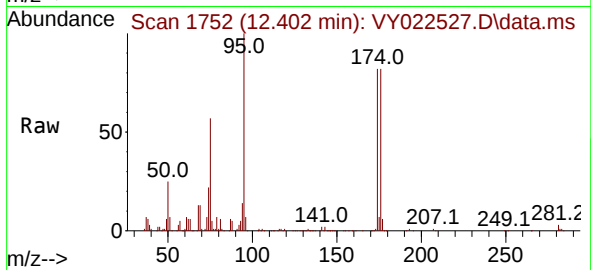




#62
4-Bromofluorobenzene
Concen: 40.283 ug/l
RT: 12.402 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

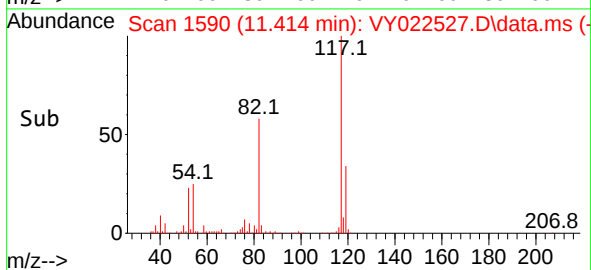
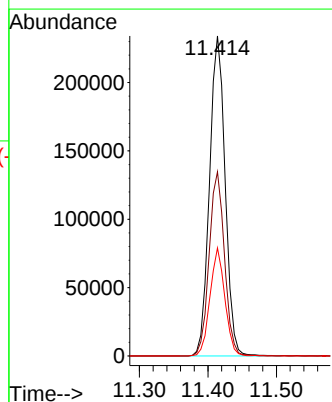
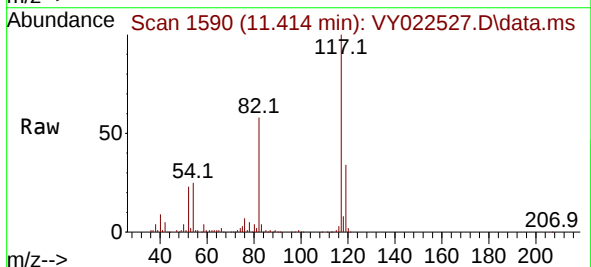
Instrument :
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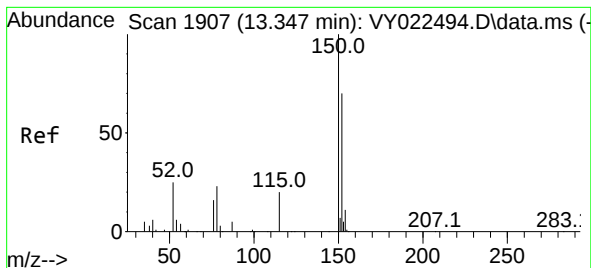
Tgt Ion: 95 Resp: 137531
Ion Ratio Lower Upper
95 100
174 86.9 0.0 170.0
176 84.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion: 117 Resp: 372480
Ion Ratio Lower Upper
117 100
82 57.6 44.6 66.8
119 33.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022527.D

Acq: 03 Jun 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-56

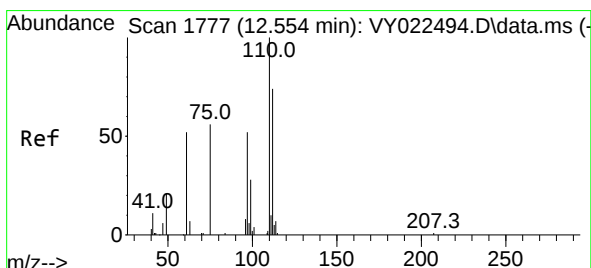
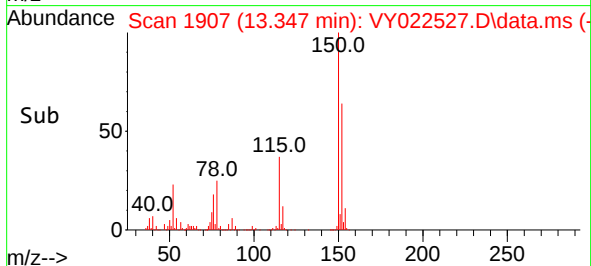
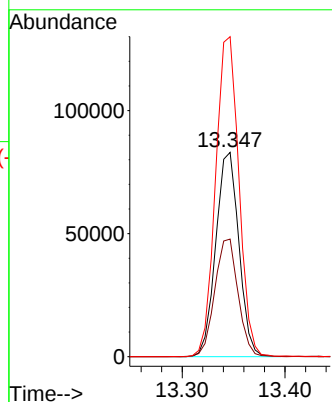
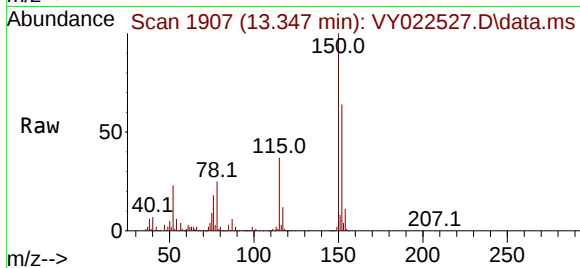
Tgt Ion:152 Resp: 129377

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 158.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 55.223 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022527.D

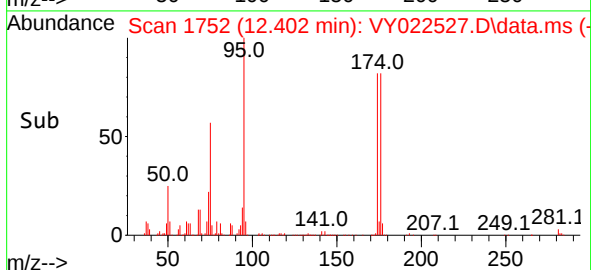
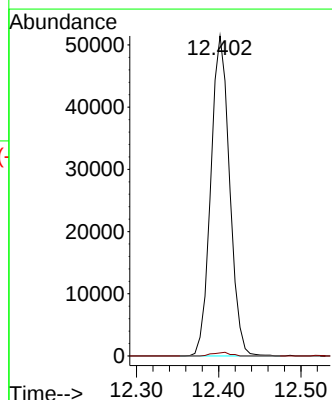
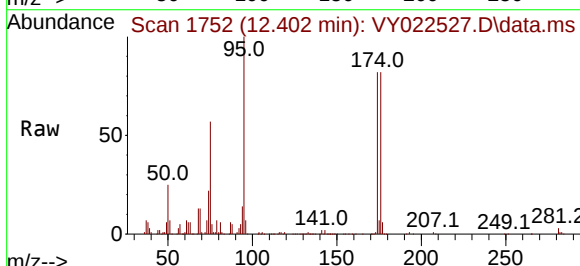
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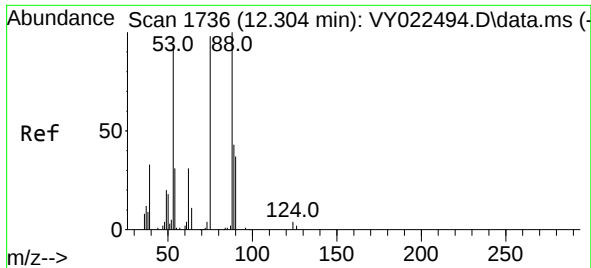
Tgt Ion: 75 Resp: 81737

Ion Ratio Lower Upper

75 100

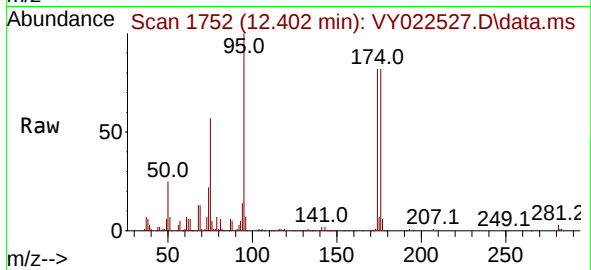
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 133.361 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
TP-56



Tgt Ion:	75	Resp:	81737
Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	0.0	35.7	53.5#

