

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022531.D
 Acq On : 03 Jun 2025 18:32
 Operator : SY/MD
 Sample : Q2176-06
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-27

Quant Time: Jun 04 04:16:54 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)

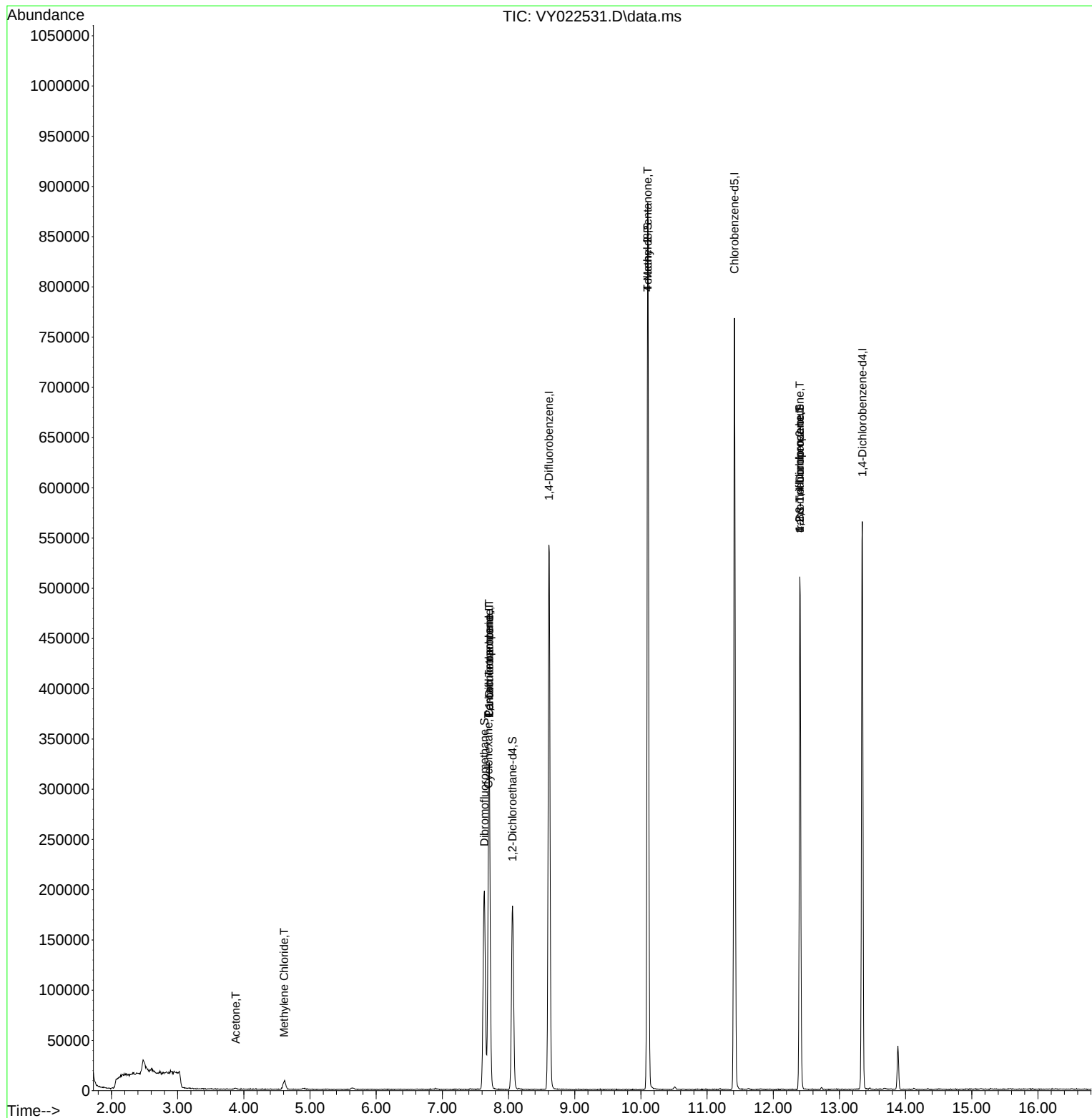
Internal Standards						
1) Pentafluorobenzene	7.707	168	244909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	453751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	362219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137676	50.262	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.520%			
35) Dibromofluoromethane	7.634	113	137051	50.603	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.200%			
50) Toluene-d8	10.103	98	544497	49.755	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.401	95	137400	42.140	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.280%			
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1563	2.810	ug/l #	63
20) Methylene Chloride	4.610	84	5495	1.739	ug/l #	84
31) Cyclohexane	7.695	56	7089	1.347	ug/l #	72
36) 1,1-Dichloropropene	7.707	75	21970	4.998	ug/l #	51
38) Carbon Tetrachloride	7.707	117	25645	5.687	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2763	1.309	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	80657	53.608	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	80657	129.461	ug/l #	10

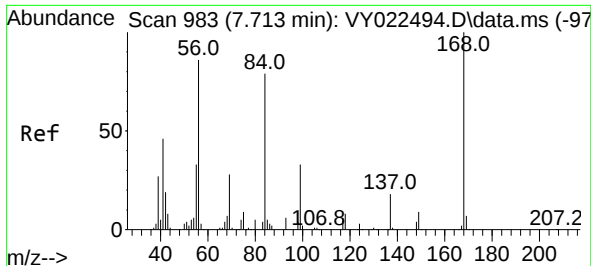
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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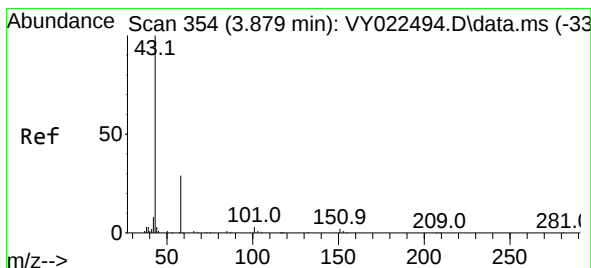
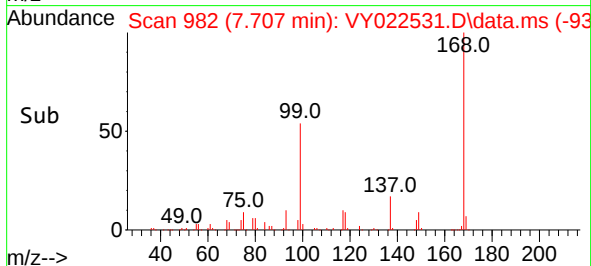
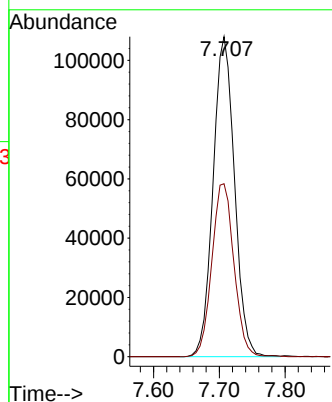
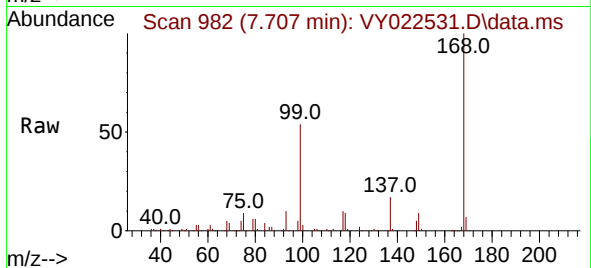




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

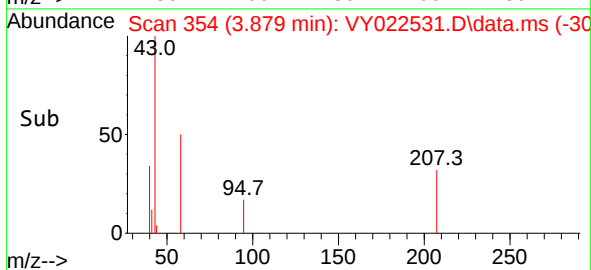
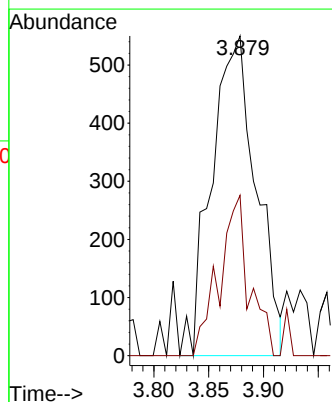
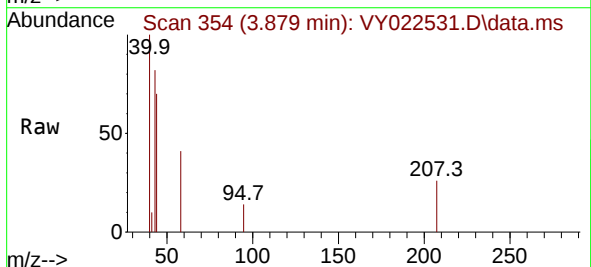
Instrument :
MSVOA_Y
ClientSampleId :
TP-27

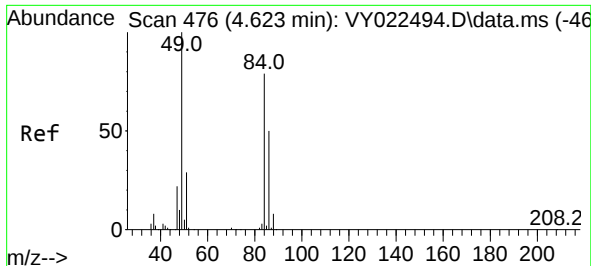
Tgt Ion:168 Resp: 244909
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#16
Acetone
Concen: 2.810 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
58 50.2 24.0 36.0#

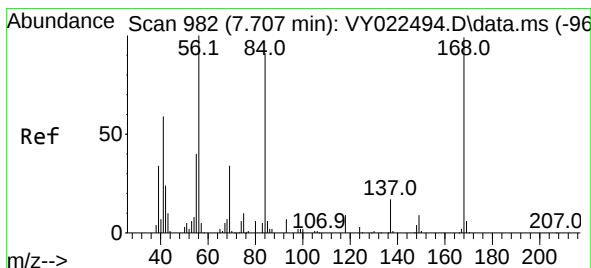
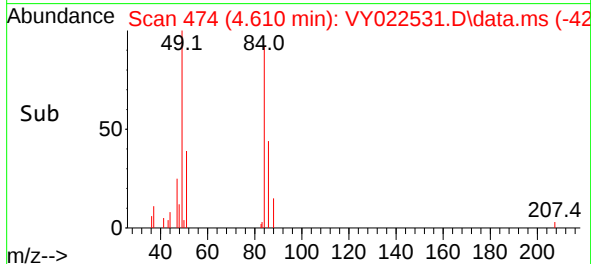
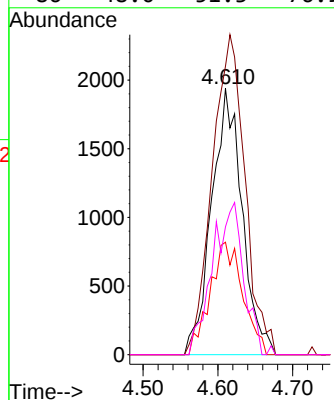
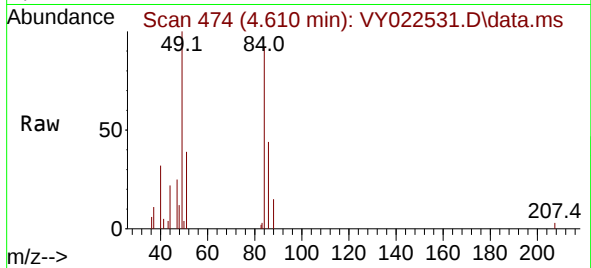




#20
Methylene Chloride
Concen: 1.739 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

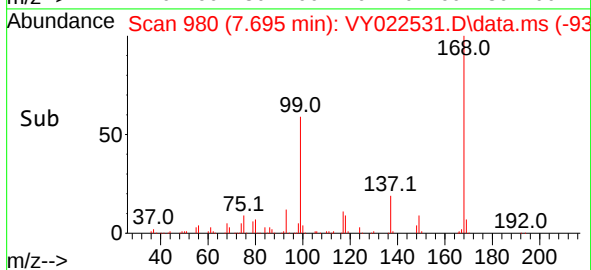
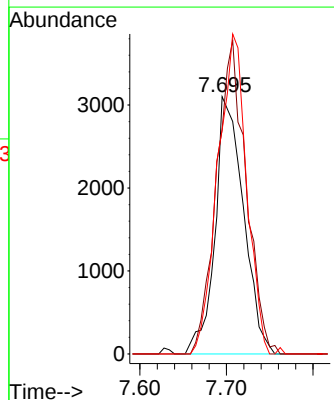
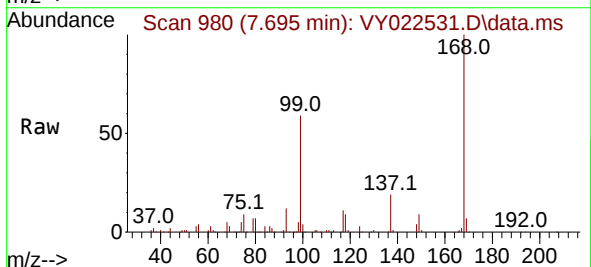
Instrument :
MSVOA_Y
ClientSampleId :
TP-27

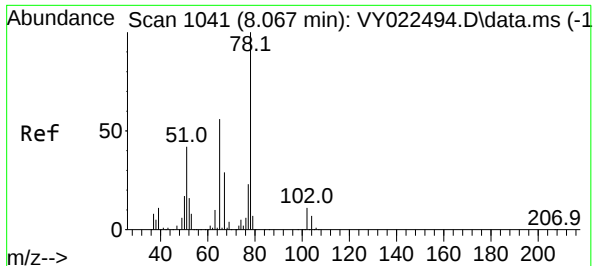
Tgt Ion:	84	Resp:	5495
Ion	Ratio	Lower	Upper
84	100		
49	108.4	101.9	152.9
51	42.2	29.8	44.8
86	48.0	51.3	76.9



#31
Cyclohexane
Concen: 1.347 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion:	56	Resp:	7089
Ion	Ratio	Lower	Upper
56	100		
69	87.1	27.0	40.6
84	87.0	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 50.262 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

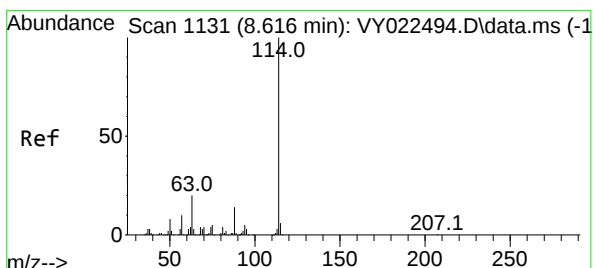
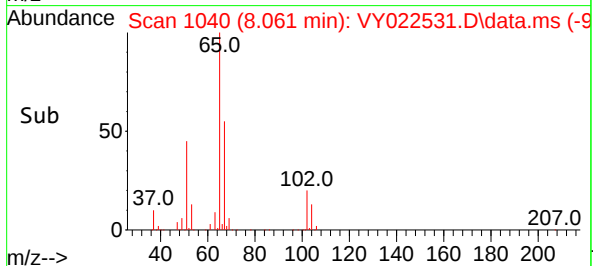
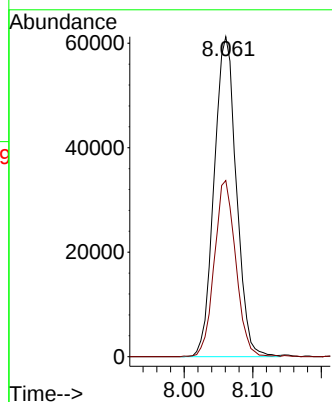
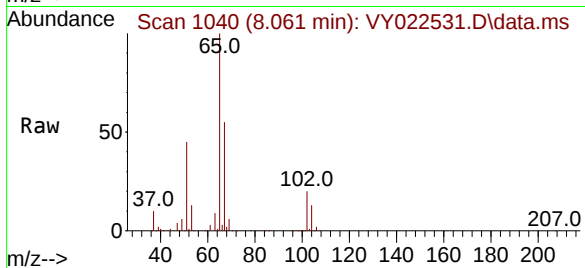
TP-27

Tgt Ion: 65 Resp: 137676

Ion Ratio Lower Upper

65 100

67 53.1 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: VY022531.D

Acq: 03 Jun 2025 18:32

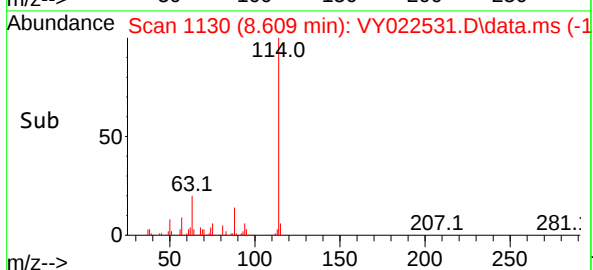
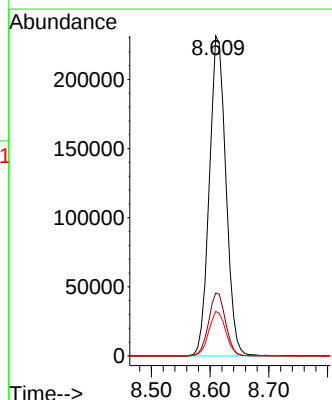
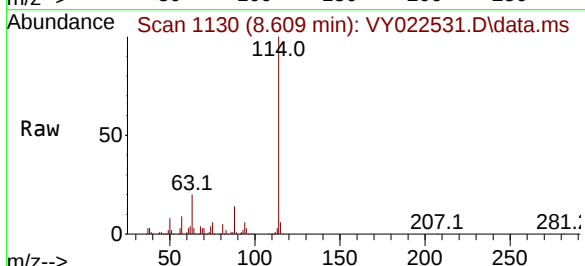
Tgt Ion:114 Resp: 453751

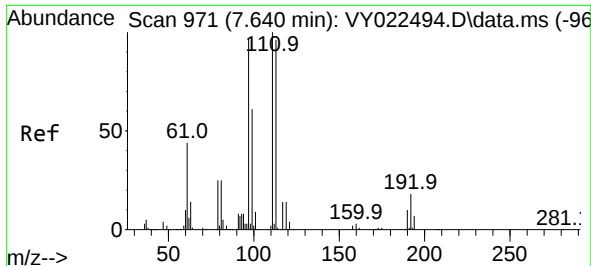
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 13.9 0.0 27.8

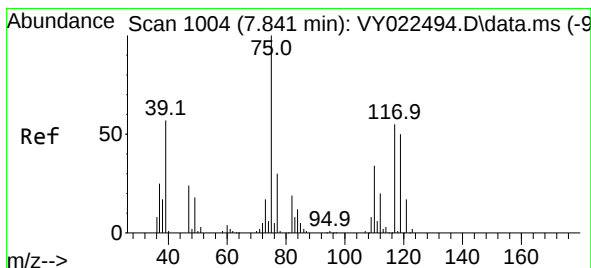
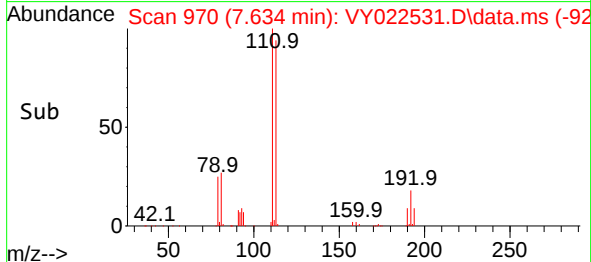
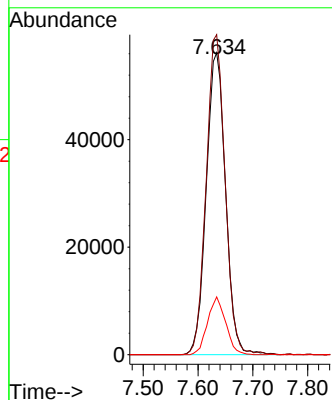
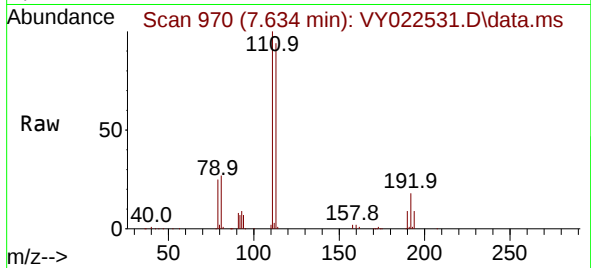




#35
Dibromofluoromethane
Concen: 50.603 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

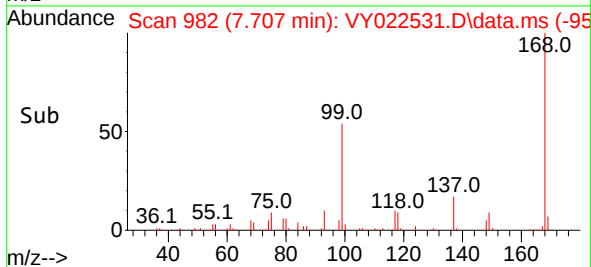
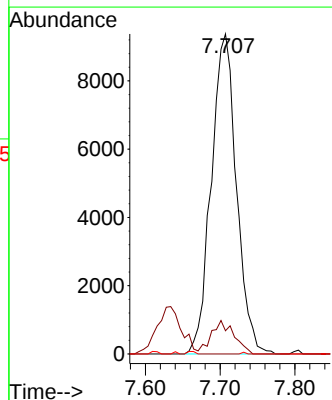
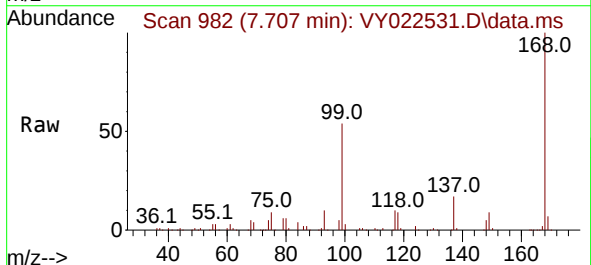
Instrument :
MSVOA_Y
ClientSampleId :
TP-27

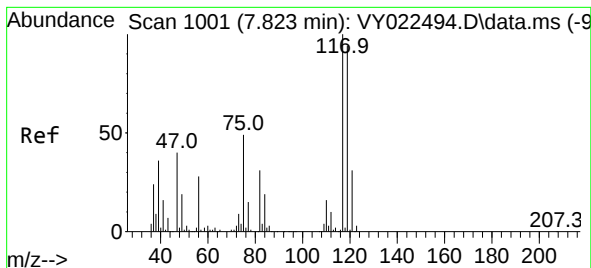
Tgt Ion:113 Resp: 137051
Ion Ratio Lower Upper
113 100
111 104.0 81.1 121.7
192 18.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.998 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion: 75 Resp: 21970
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.687 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-27

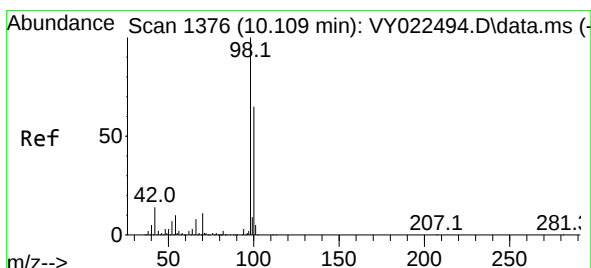
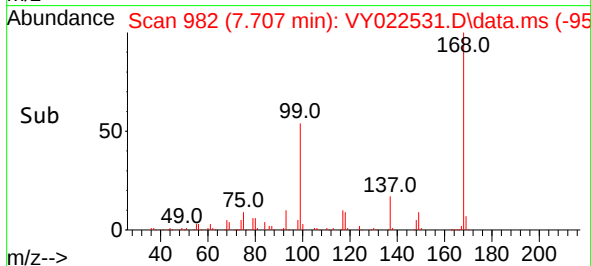
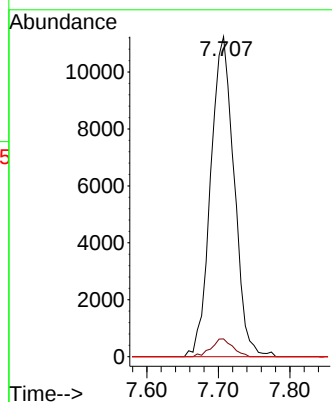
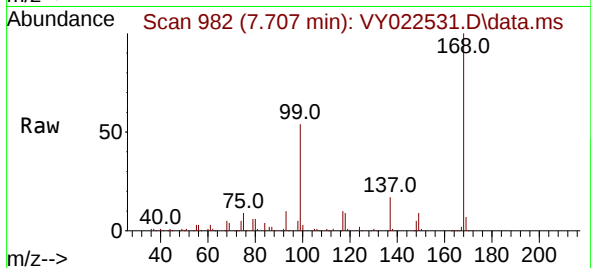
Tgt Ion:117 Resp: 25645

Ion Ratio Lower Upper

117 100

119 5.6 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.755 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022531.D

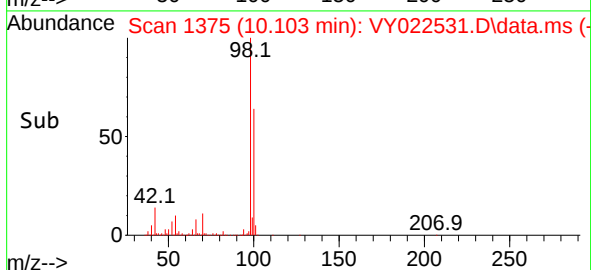
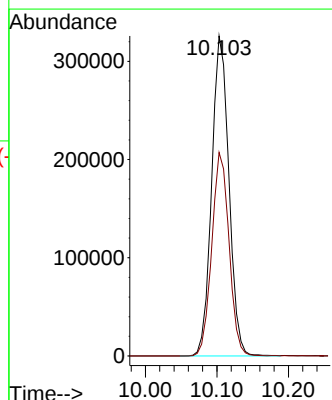
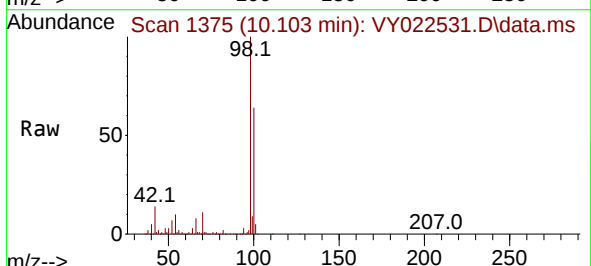
Acq: 03 Jun 2025 18:32

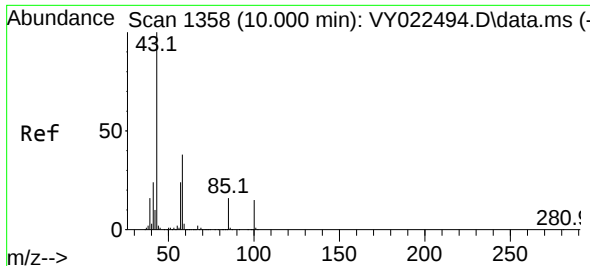
Tgt Ion: 98 Resp: 544497

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.0

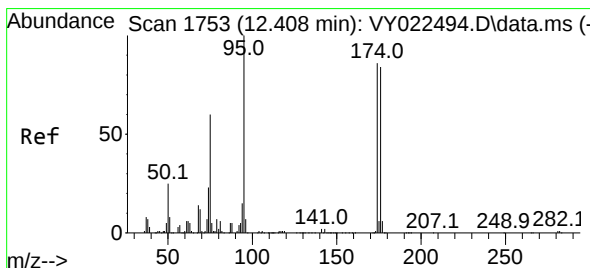
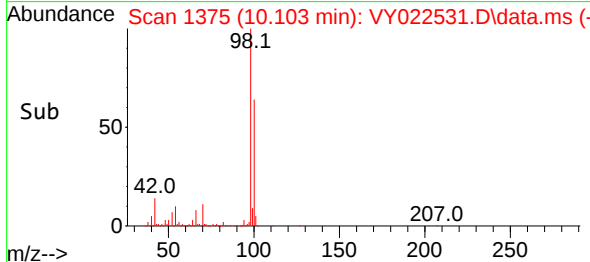
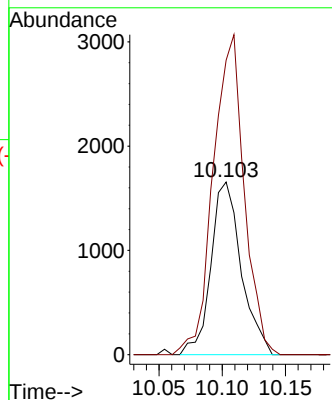
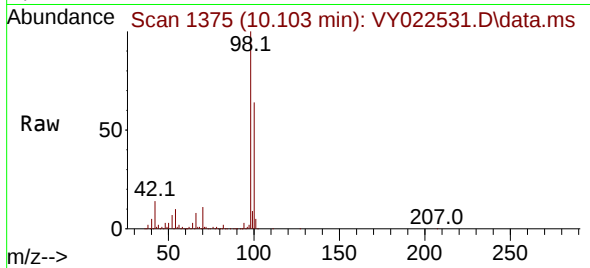




#51
4-Methyl-2-Pentanone
Concen: 1.309 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

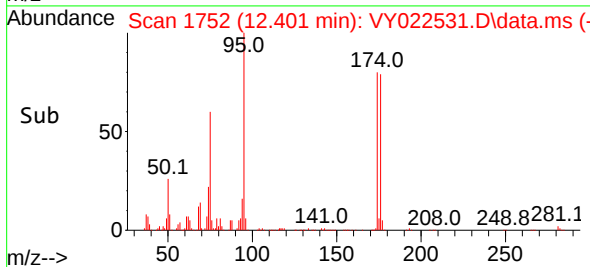
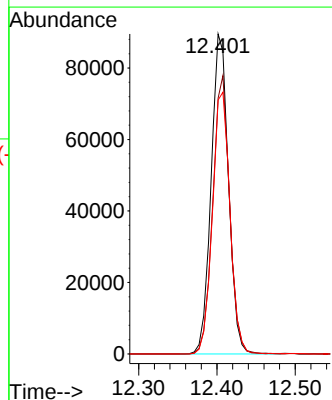
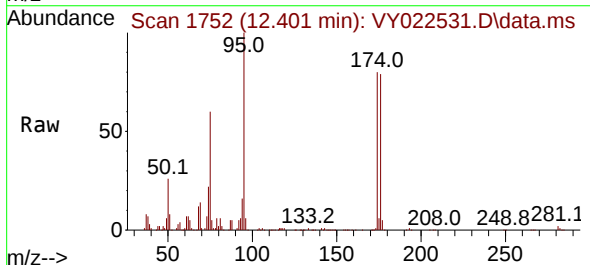
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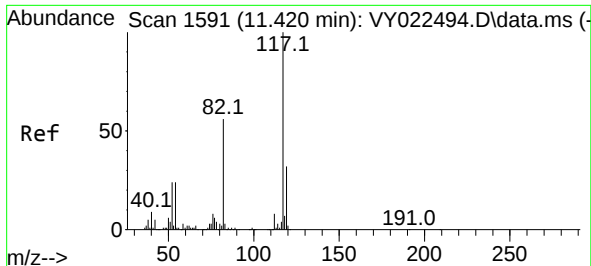
Tgt Ion: 43 Resp: 2763
Ion Ratio Lower Upper
43 100
58 189.3 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 42.140 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion: 95 Resp: 137400
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.0
176 82.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-27

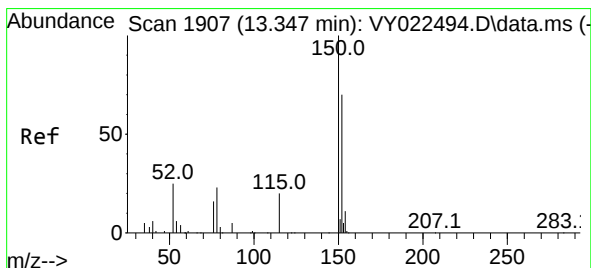
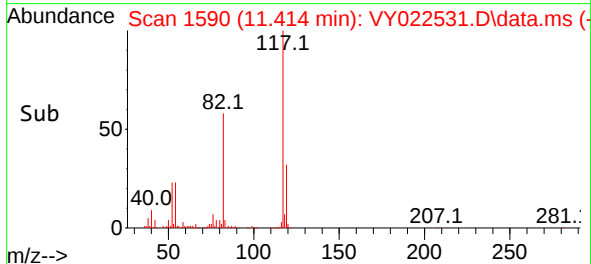
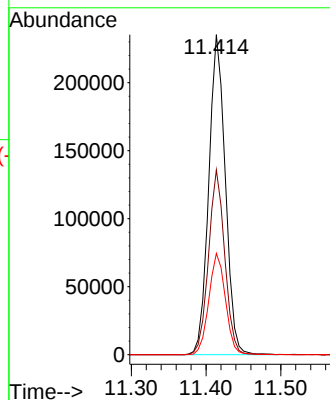
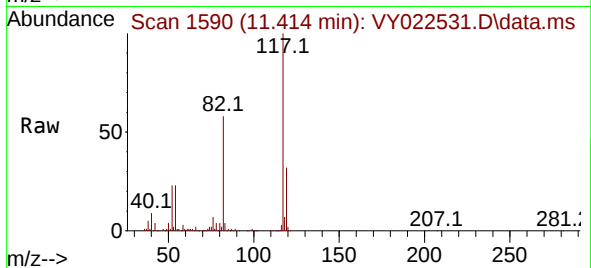
Tgt Ion:117 Resp: 362219

Ion Ratio Lower Upper

117 100

82 57.7 44.6 66.8

119 31.6 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: VY022531.D

Acq: 03 Jun 2025 18:32

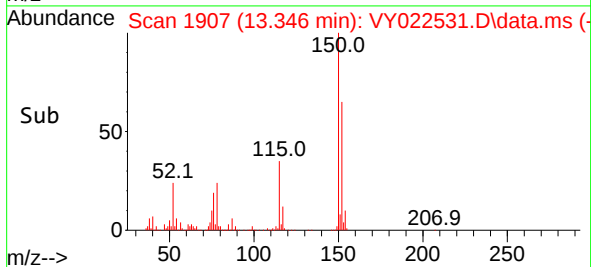
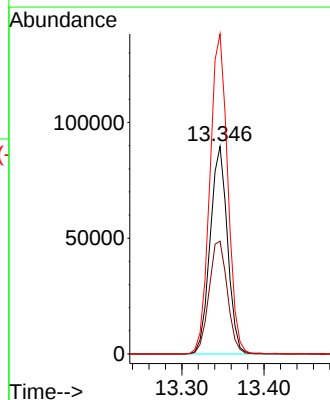
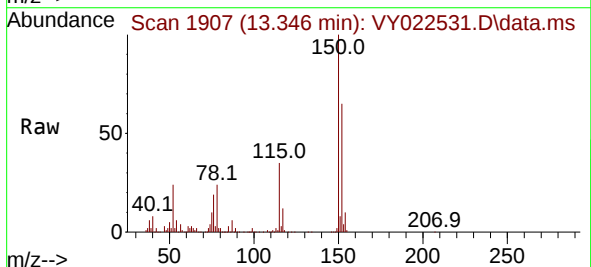
Tgt Ion:152 Resp: 131513

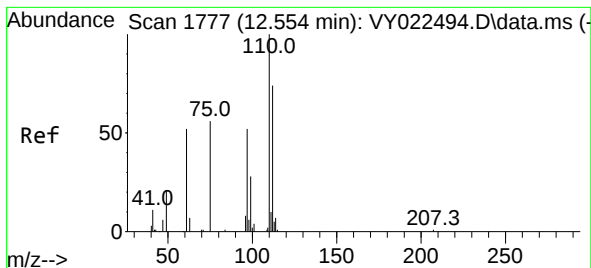
Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 158.3 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 53.608 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

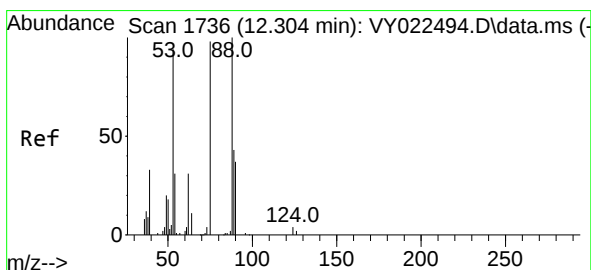
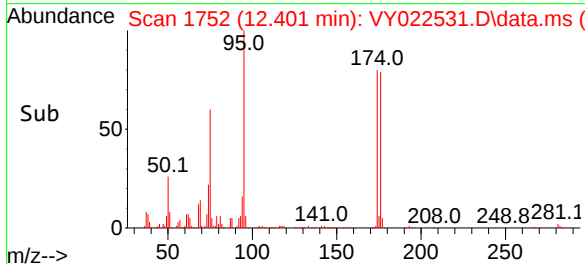
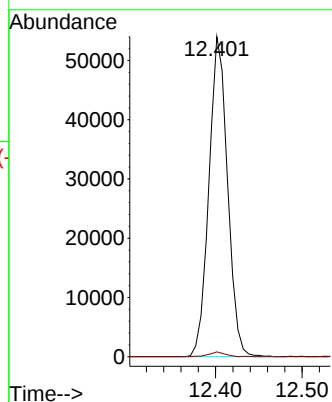
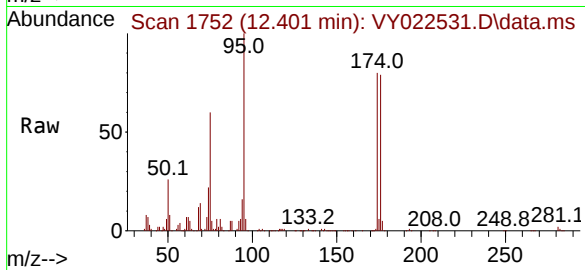
TP-27

Tgt Ion: 75 Resp: 80657

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.461 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

Tgt Ion: 75 Resp: 80657

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 35.7 53.5#

