

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022584.D
 Acq On : 05 Jun 2025 19:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 06 01:29:07 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)

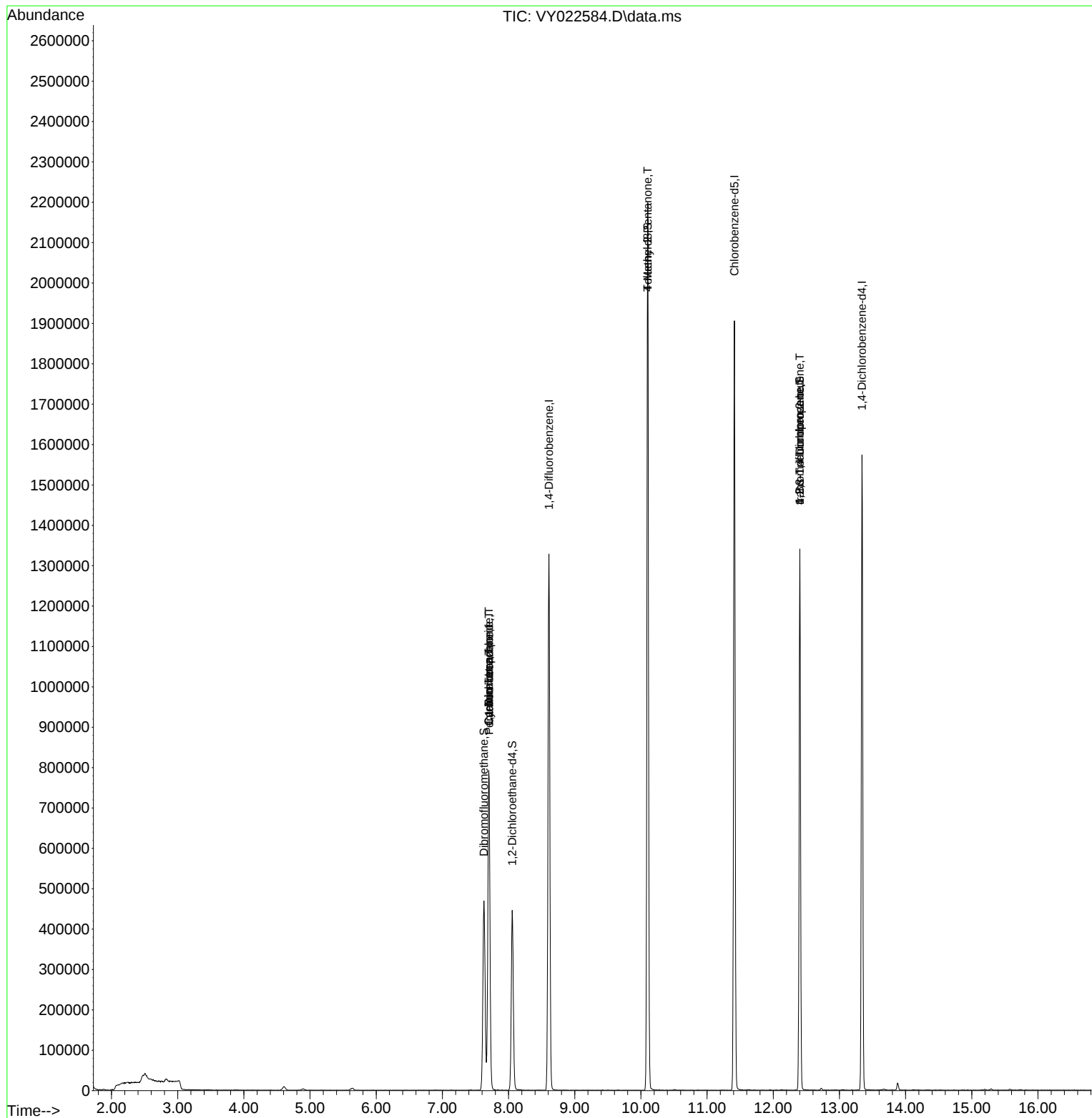
Internal Standards						
1) Pentafluorobenzene	7.707	168	575147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1068250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	897850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	355846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	329068	51.156	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.320%	
35) Dibromofluoromethane	7.628	113	319483	50.106	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.220%	
50) Toluene-d8	10.103	98	1320838	51.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	12.401	95	347659	45.290	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.580%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	16244	1.314	ug/l #	32
36) 1,1-Dichloropropene	7.701	75	51570	4.983	ug/l #	50
38) Carbon Tetrachloride	7.701	117	58874	5.546	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	6241	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	208664	51.256	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	208664	123.780	ug/l #	10

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

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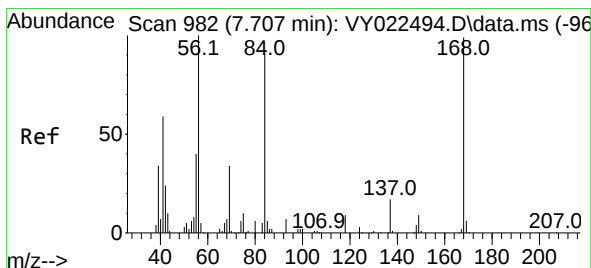
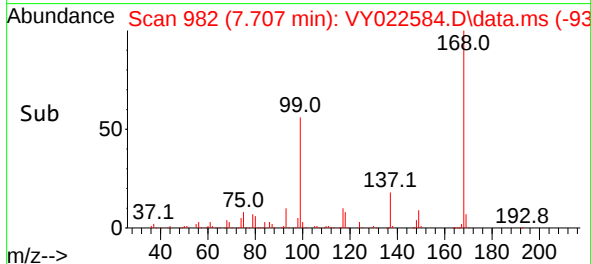
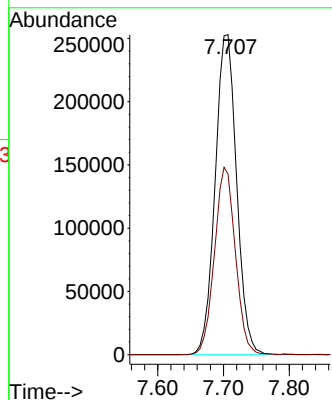
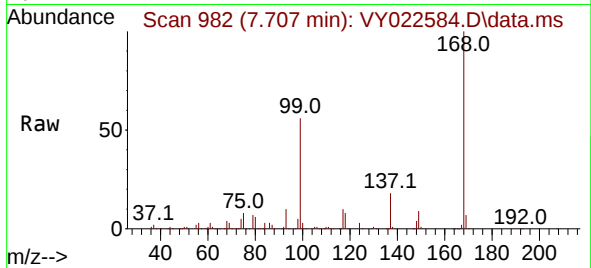




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

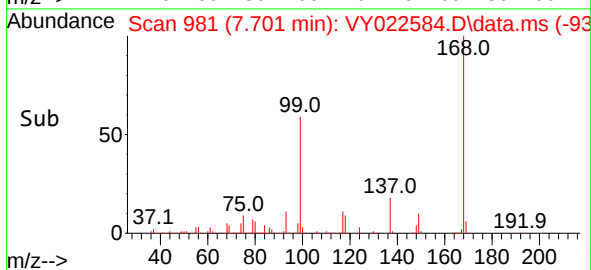
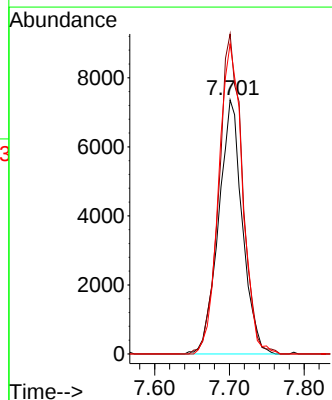
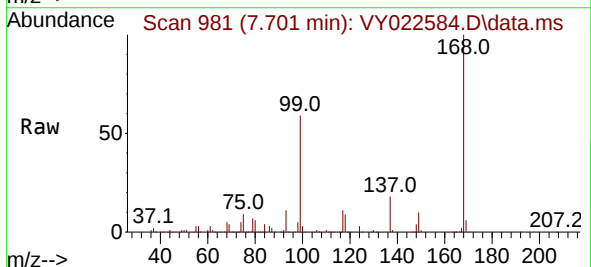
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

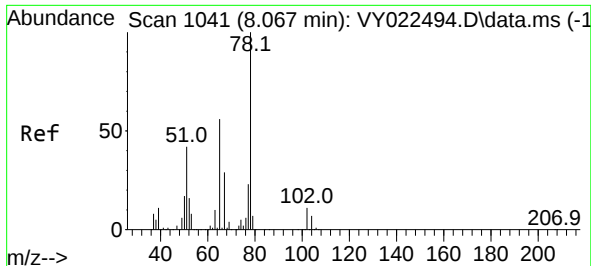
Tgt Ion:168 Resp: 575147
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.007 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

Tgt Ion: 56 Resp: 16244
Ion Ratio Lower Upper
56 100
69 126.0 27.0 40.6#
84 122.1 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.156 ug/l

RT: 8.054 min Scan# 1109

Delta R.T. -0.013 min

Lab File: VY022584.D

Acq: 05 Jun 2025 19:05

Instrument :

MSVOA_Y

ClientSampleId :

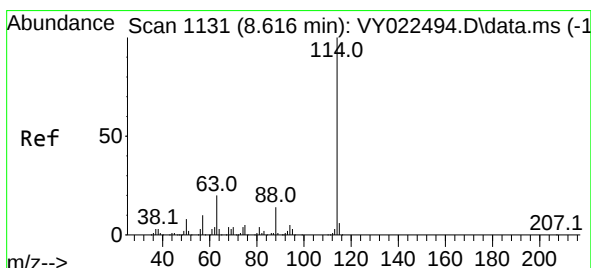
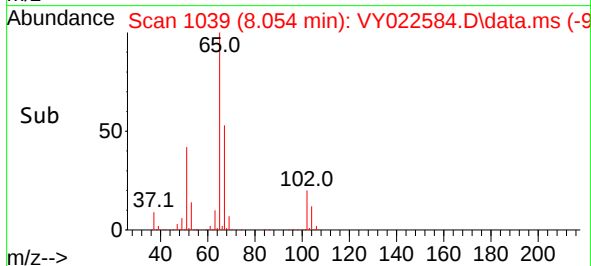
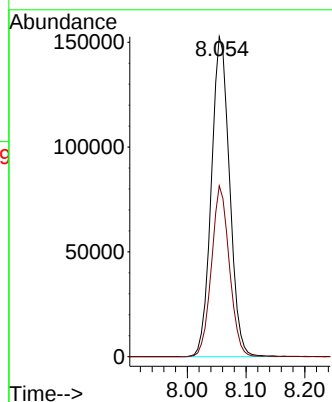
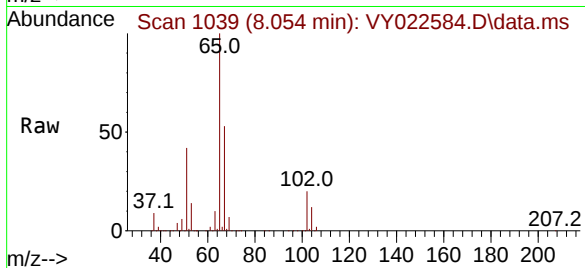
VIBLK

Tgt Ion: 65 Resp: 329068

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022584.D

Acq: 05 Jun 2025 19:05

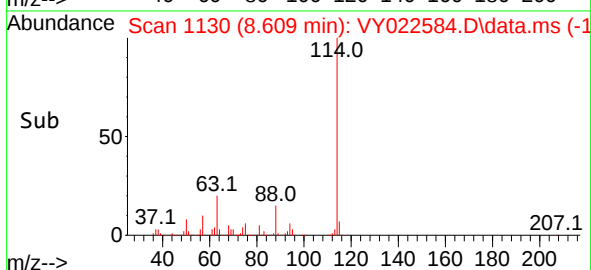
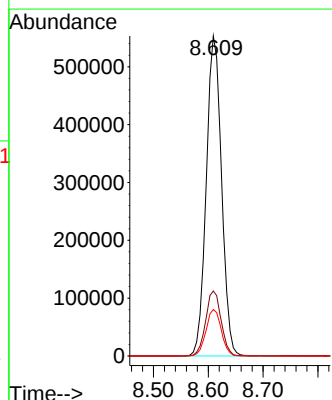
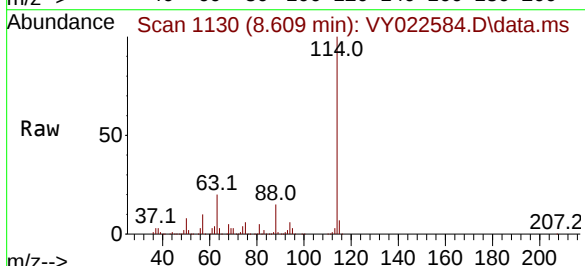
Tgt Ion: 114 Resp: 1068250

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 14.5 0.0 27.8

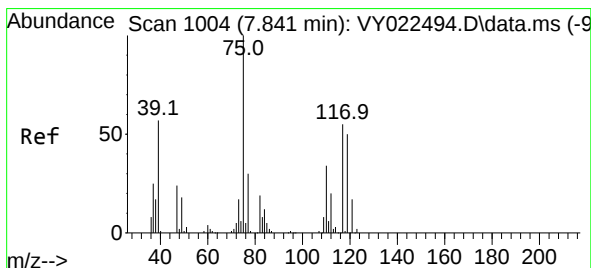
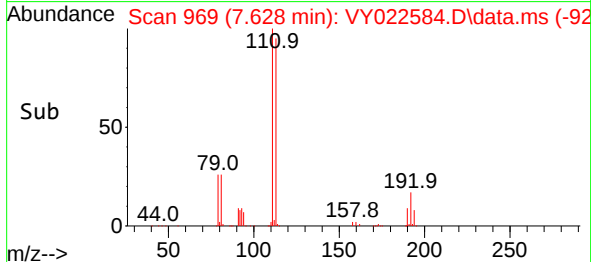
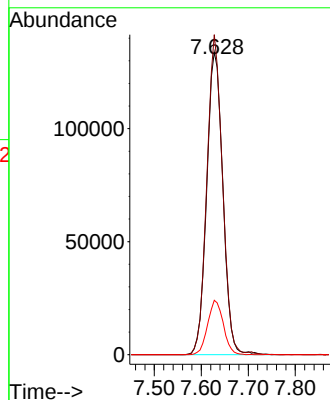
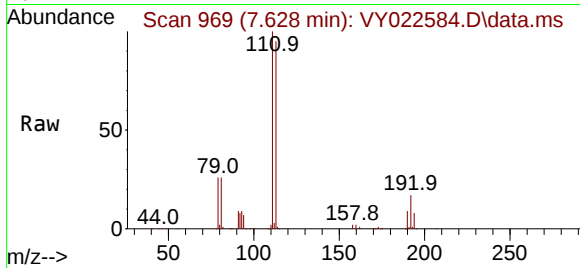




#35
Dibromofluoromethane
Concen: 50.106 ug/l
RT: 7.628 min Scan# 90
Delta R.T. -0.013 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

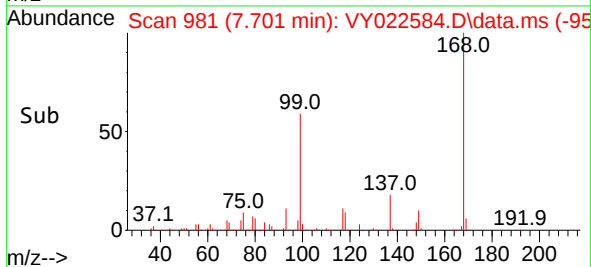
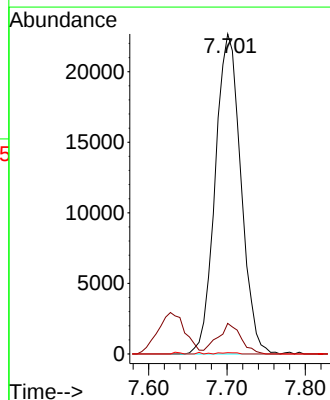
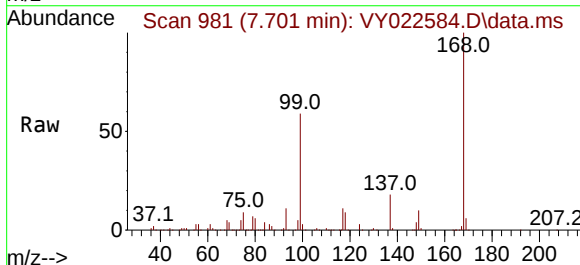
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

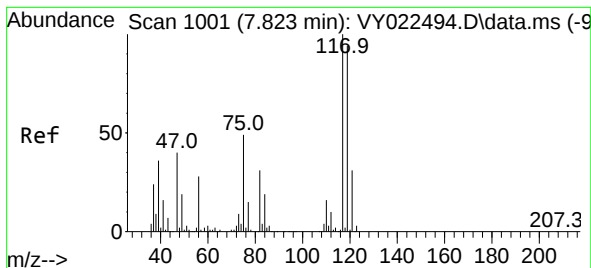
Tgt Ion:113 Resp: 319483
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 17.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.983 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.141 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

Tgt Ion: 75 Resp: 51570
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.546 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022584.D

Acq: 05 Jun 2025 19:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

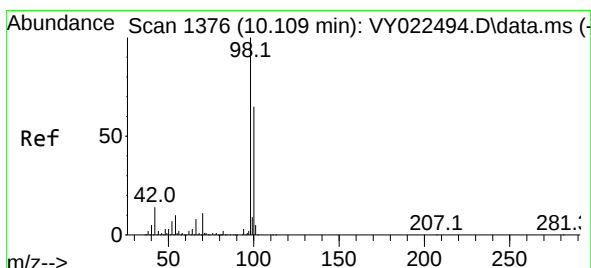
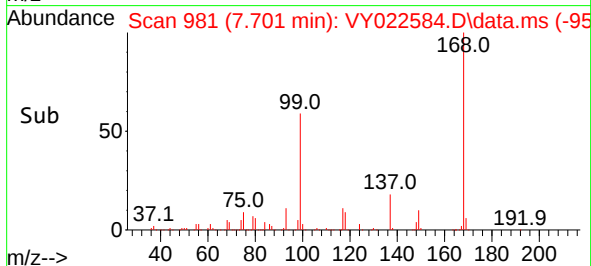
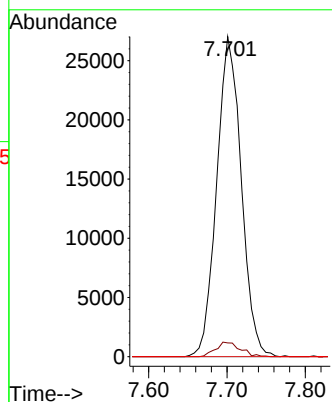
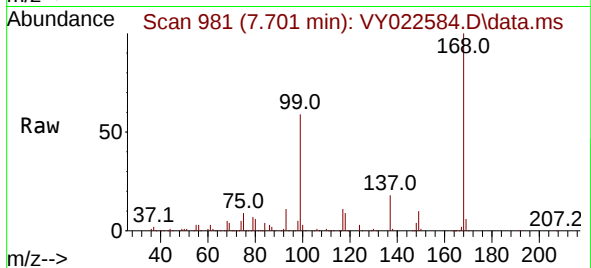
Tgt Ion:117 Resp: 58874

Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 51.267 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.007 min

Lab File: VY022584.D

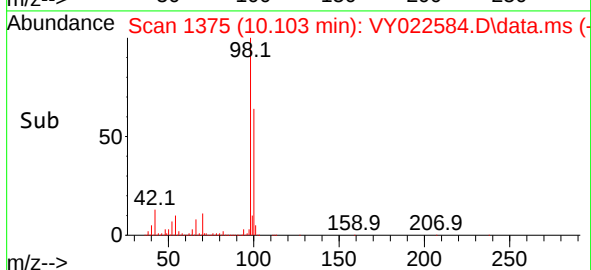
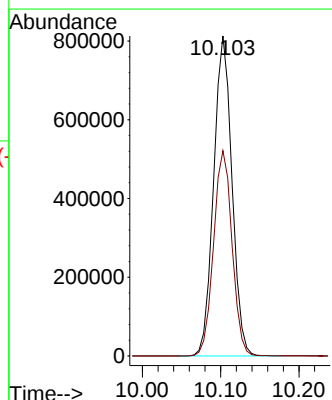
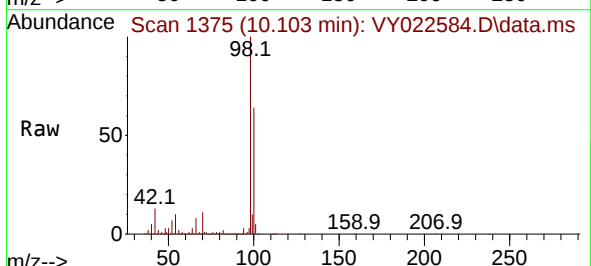
Acq: 05 Jun 2025 19:05

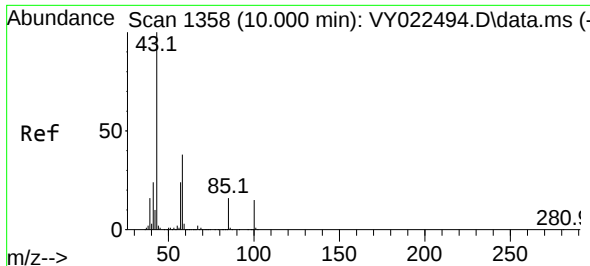
Tgt Ion: 98 Resp: 1320838

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0

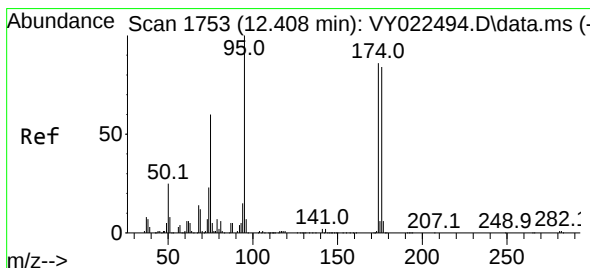
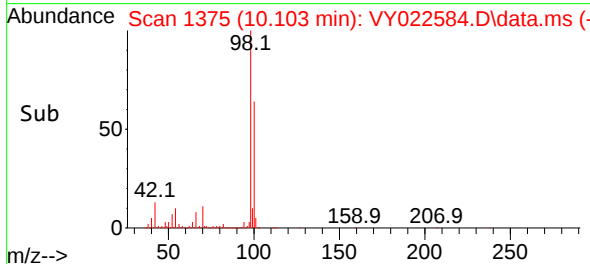
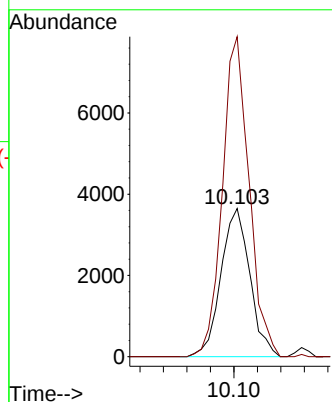
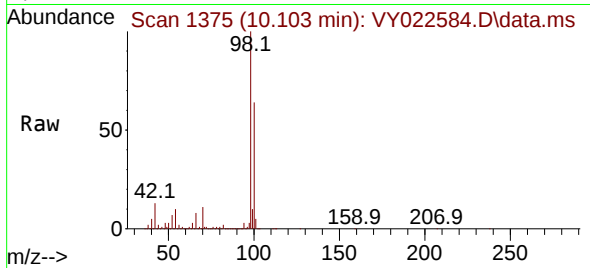




#51
4-Methyl-2-Pentanone
Concen: 1.256 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

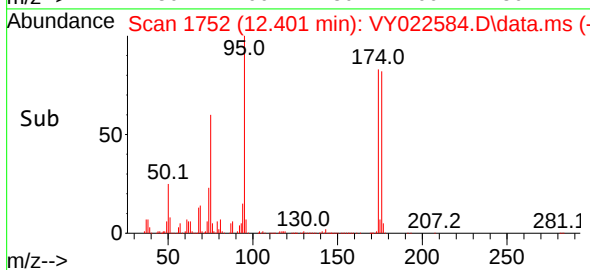
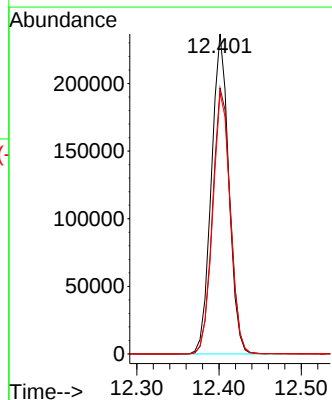
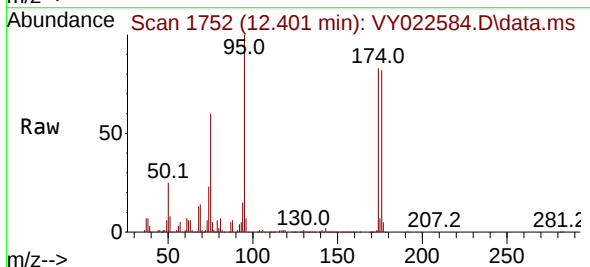
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

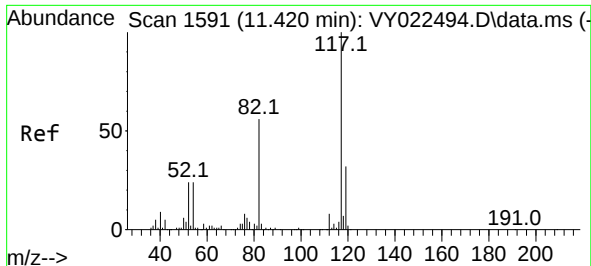
Tgt Ion: 43 Resp: 6241
Ion Ratio Lower Upper
43 100
58 199.2 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 45.290 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

Tgt Ion: 95 Resp: 347659
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 82.4 0.0 166.2

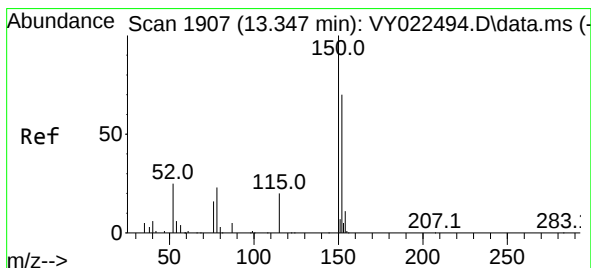
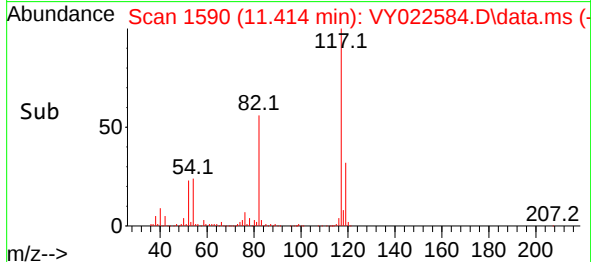
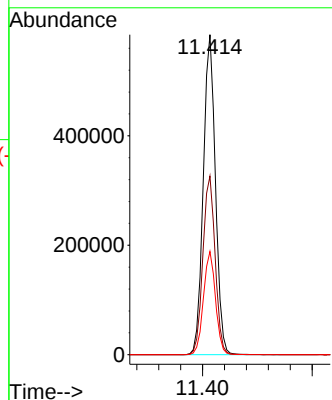
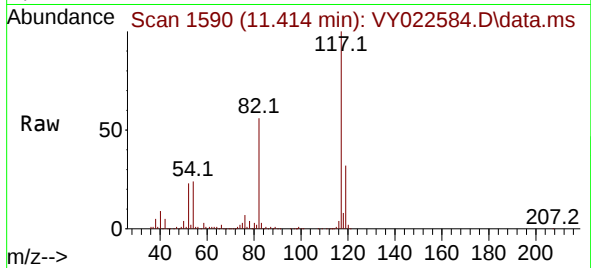




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

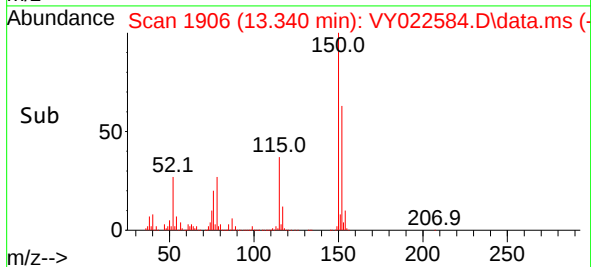
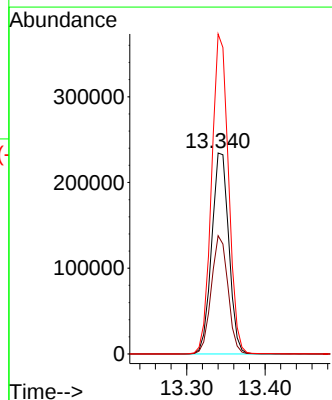
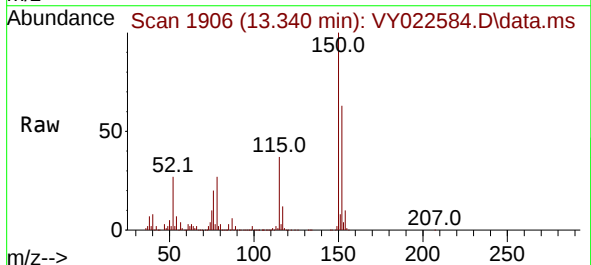
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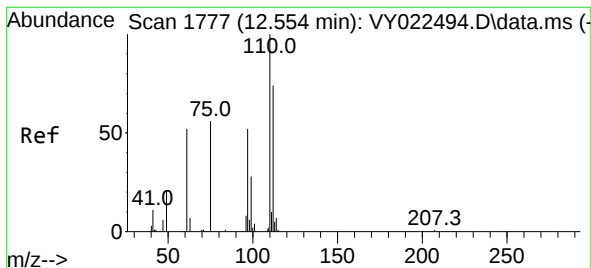
Tgt Ion:117 Resp: 897850
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.007 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

Tgt Ion:152 Resp: 355846
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.7
150 157.0 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 51.256 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022584.D

Acq: 05 Jun 2025 19:05

Instrument :

MSVOA_Y

ClientSampleId :

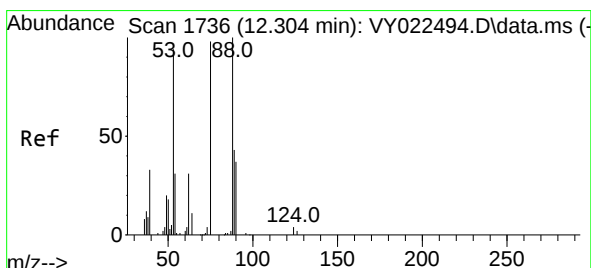
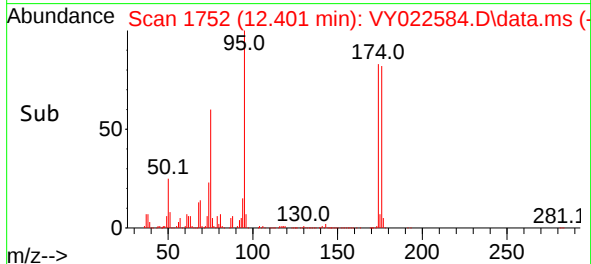
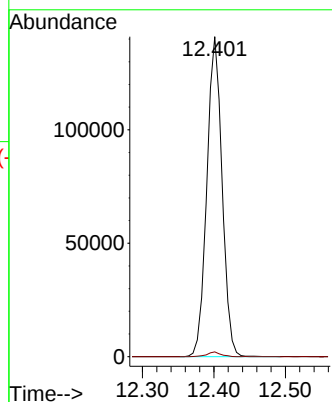
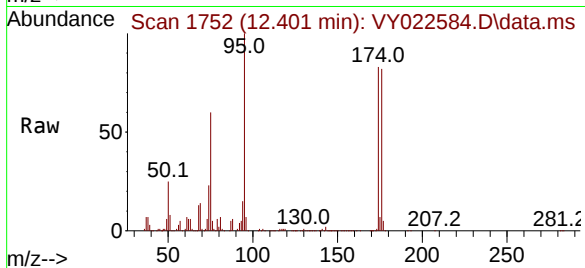
VIBLK

Tgt Ion: 75 Resp: 208664

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.780 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022584.D

Acq: 05 Jun 2025 19:05

Tgt Ion: 75 Resp: 208664

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 35.7 53.5#

