

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022692.D
 Acq On : 13 Jun 2025 13:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 14 02:04:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

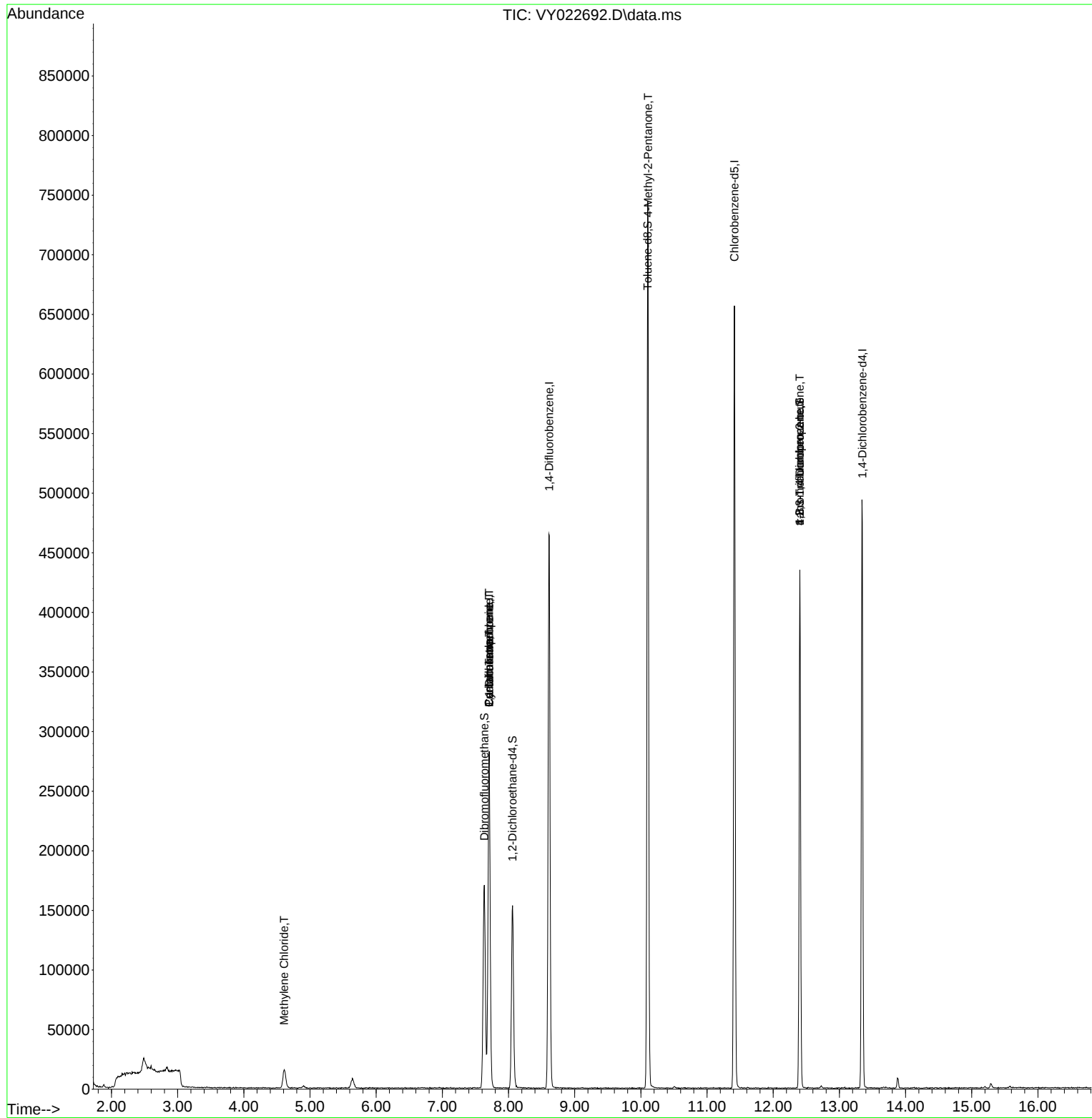
Internal Standards						
1) Pentafluorobenzene	7.707	168	206191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	385654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	315562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114011	49.438	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.880%
35) Dibromofluoromethane	7.634	113	114599	49.785	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.103	98	464689	49.961	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.920%
62) 4-Bromofluorobenzene	12.401	95	115721	41.758	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.520%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	10880	4.090	ug/l	95
31) Cyclohexane	7.707	56	6187	1.396	ug/l #	45
36) 1,1-Dichloropropene	7.707	75	19115	5.116	ug/l #	50
38) Carbon Tetrachloride	7.707	117	21190	5.529	ug/l #	18
51) 4-Methyl-2-Pentanone	10.109	43	2504	1.396	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	68933	53.418	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	68933	129.001	ug/l #	10

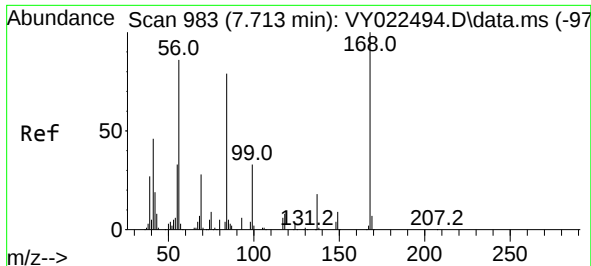
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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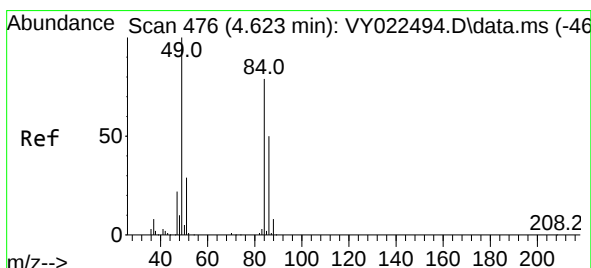
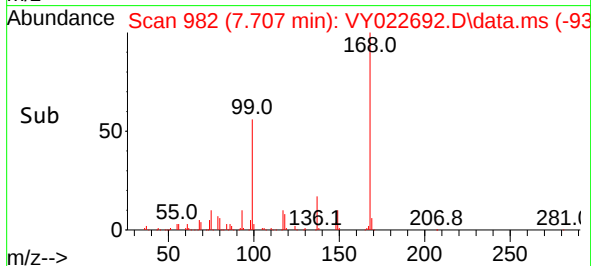
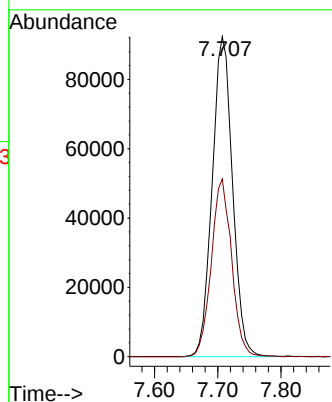
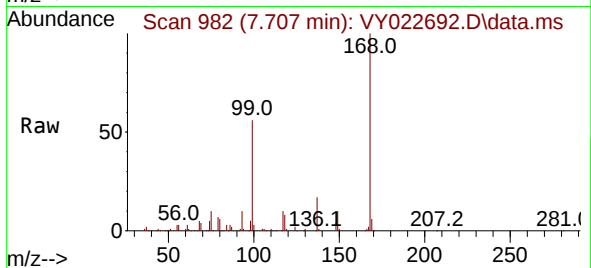




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

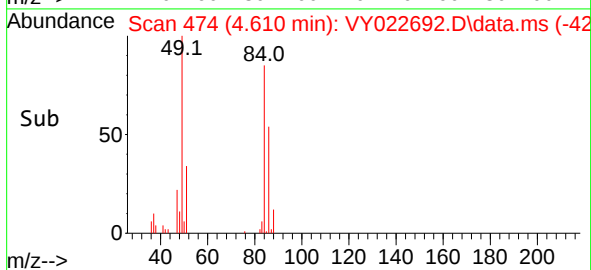
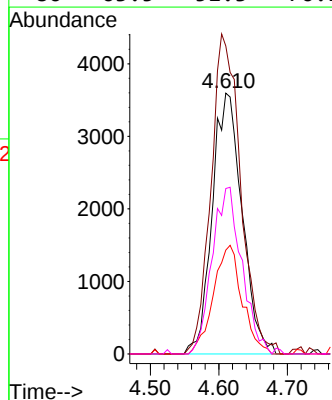
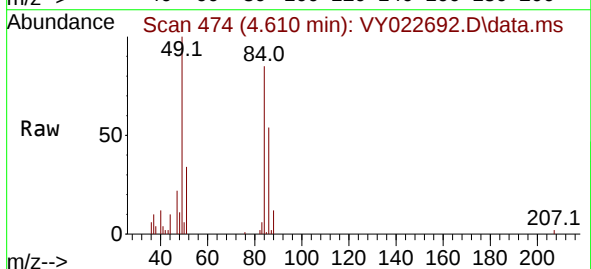
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

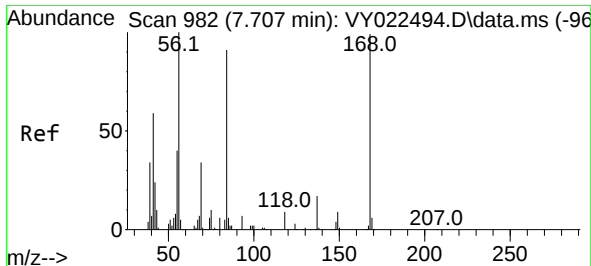
Tgt Ion:168 Resp: 206191
Ion Ratio Lower Upper
168 100
99 55.6 44.3 66.5



#20
Methylene Chloride
Concen: 4.090 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

Tgt Ion: 84 Resp: 10880
Ion Ratio Lower Upper
84 100
49 118.1 101.9 152.9
51 39.8 29.8 44.8
86 63.5 51.3 76.9

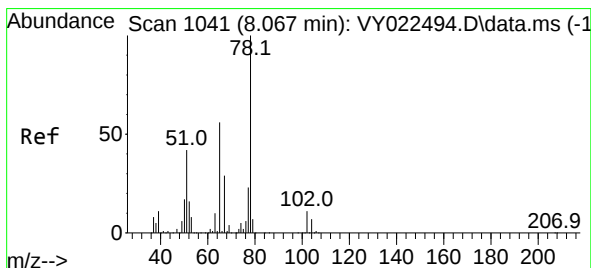
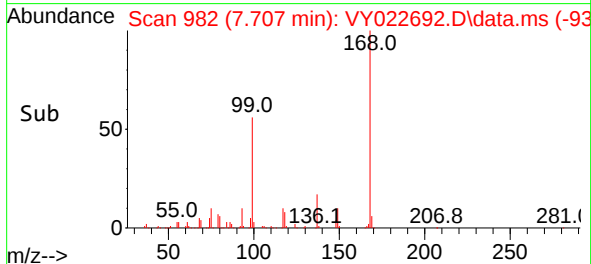
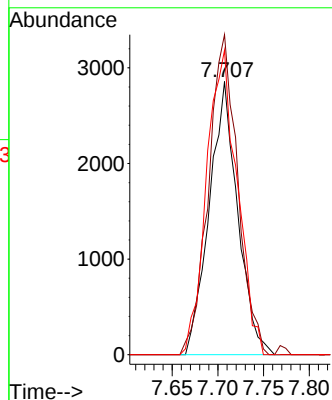
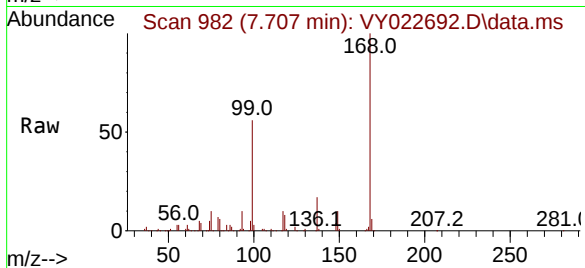




#31
Cyclohexane
Concen: 1.396 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

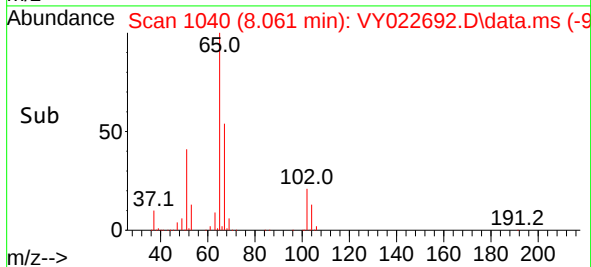
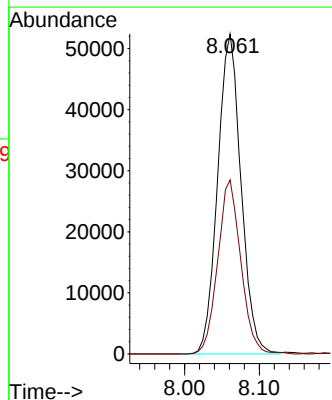
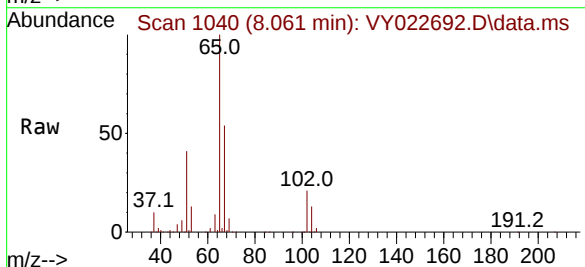
Instrument :
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ClientSampleId :
VIBLK

Tgt Ion: 56 Resp: 6187
Ion Ratio Lower Upper
56 100
69 117.2 27.0 40.6#
84 111.5 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.438 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

Tgt Ion: 65 Resp: 114011
Ion Ratio Lower Upper
65 100
67 53.7 0.0 103.4

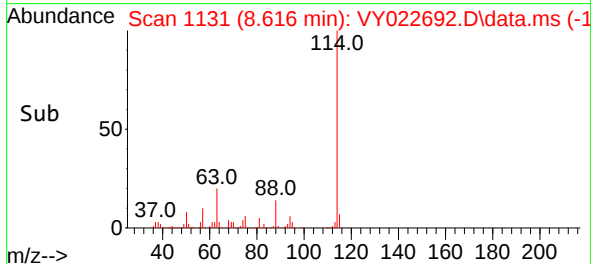
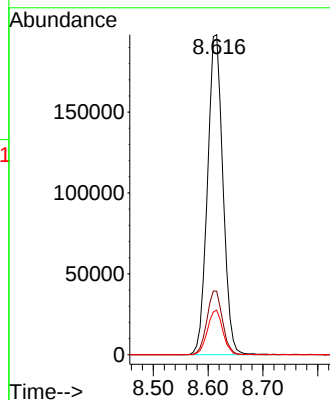
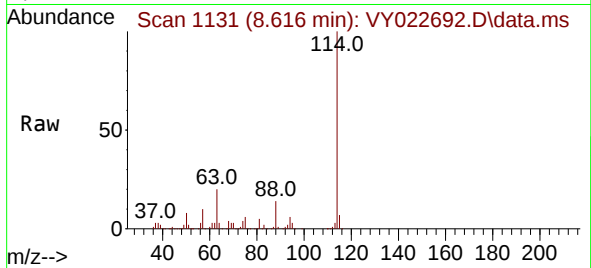




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

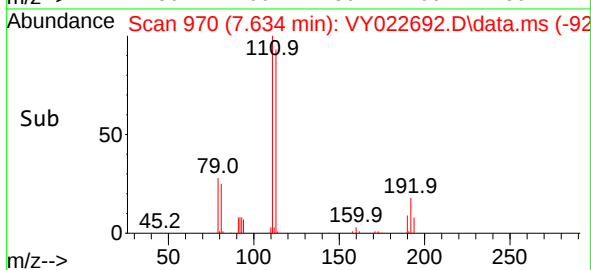
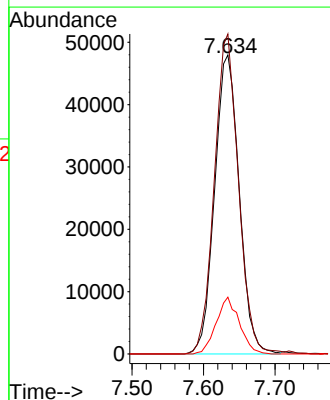
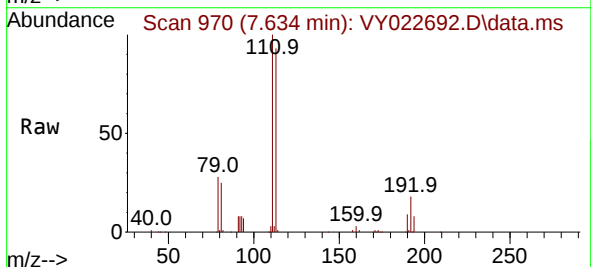
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

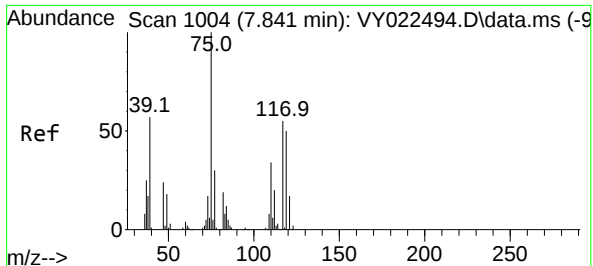
Tgt Ion:114 Resp: 385654
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 13.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.785 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

Tgt Ion:113 Resp: 114599
Ion Ratio Lower Upper
113 100
111 105.1 81.1 121.7
192 17.9 14.2 21.2

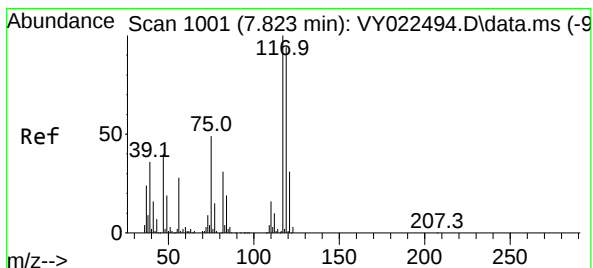
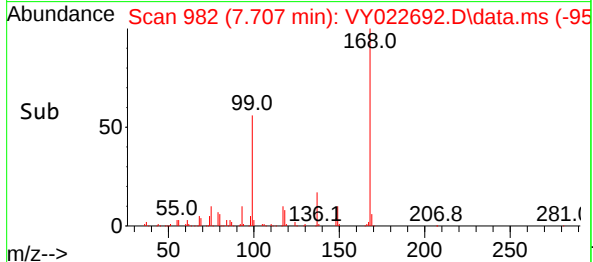
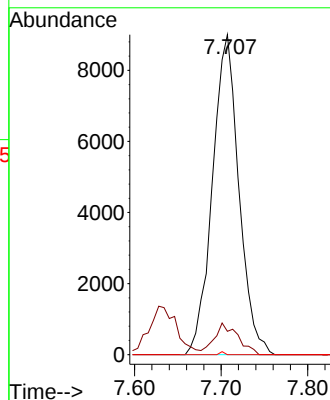
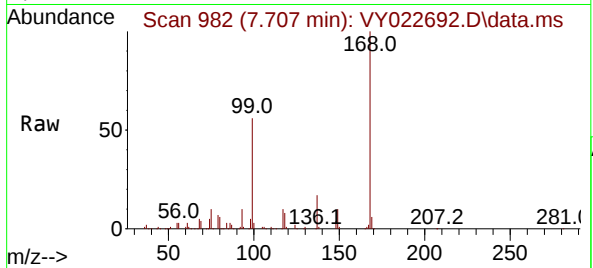




#36
1,1-Dichloropropene
Concen: 5.116 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

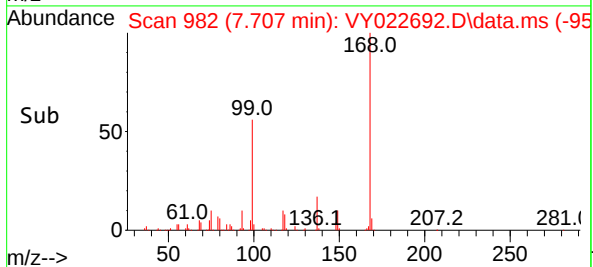
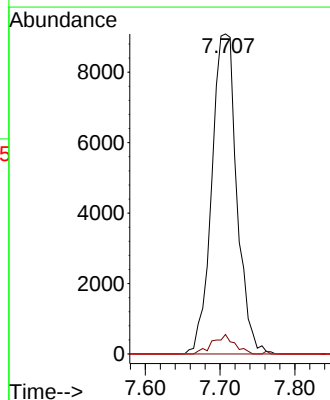
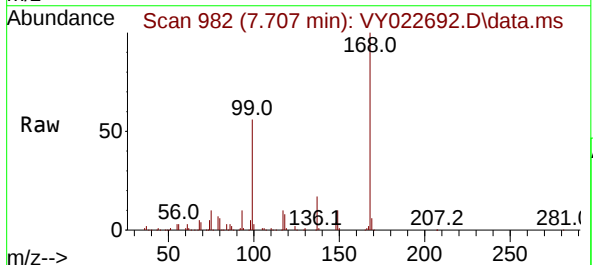
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

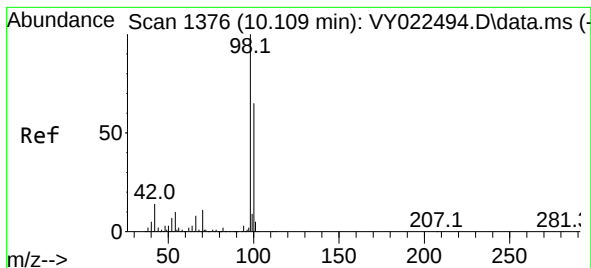
Tgt Ion: 75 Resp: 19115
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.2 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.529 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

Tgt Ion: 117 Resp: 21190
Ion Ratio Lower Upper
117 100
119 6.1 75.0 112.6#
121 0.0 25.0 37.4#

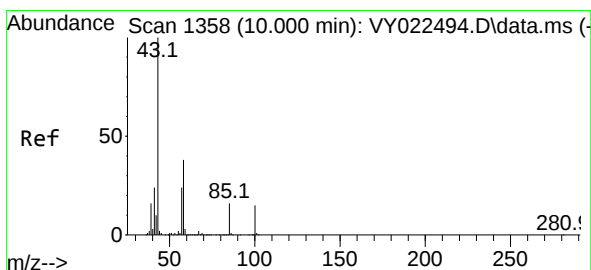
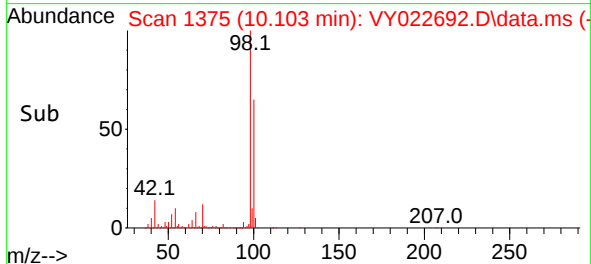
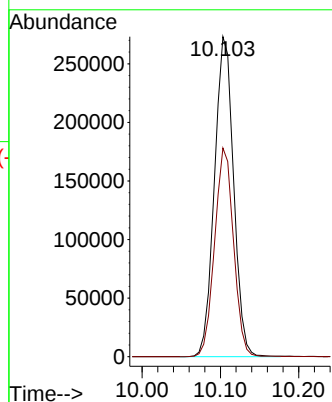
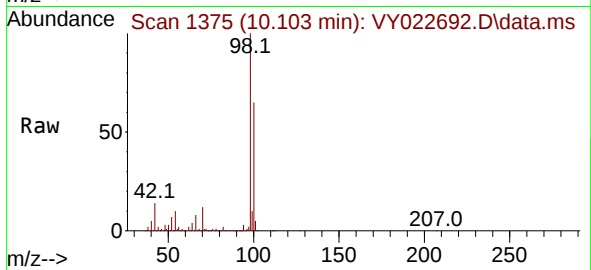




#50
Toluene-d8
Concen: 49.961 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

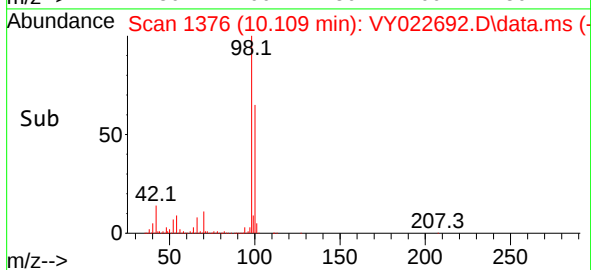
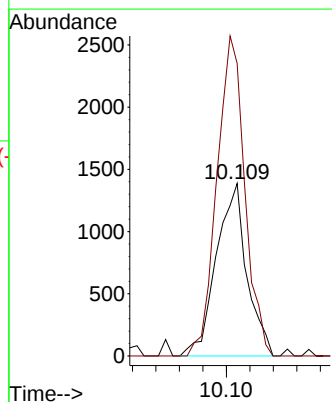
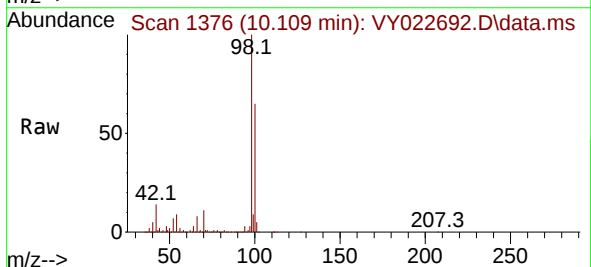
Instrument :
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VIBLK

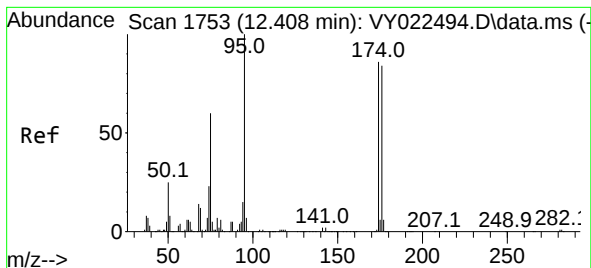
Tgt Ion: 98 Resp: 464689
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.396 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

Tgt Ion: 43 Resp: 2504
Ion Ratio Lower Upper
43 100
58 169.4 30.4 45.6#

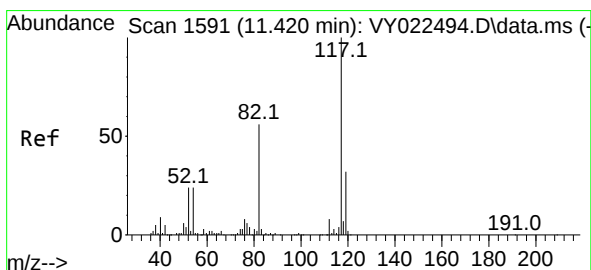
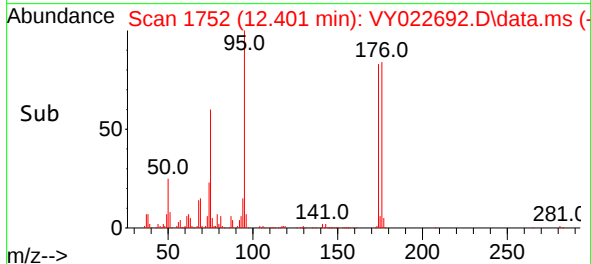
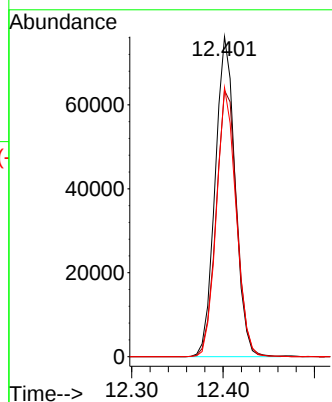
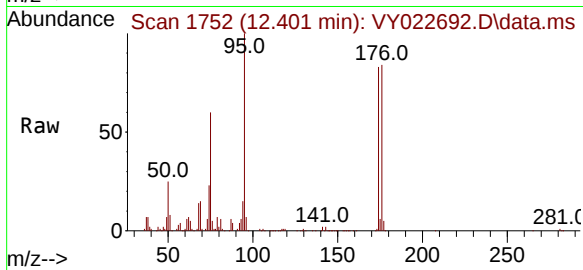




#62
4-Bromofluorobenzene
Concen: 41.758 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

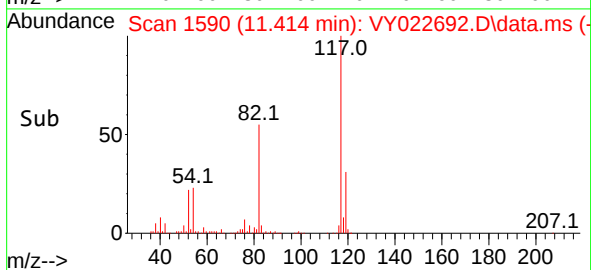
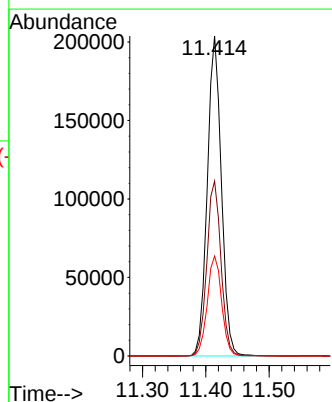
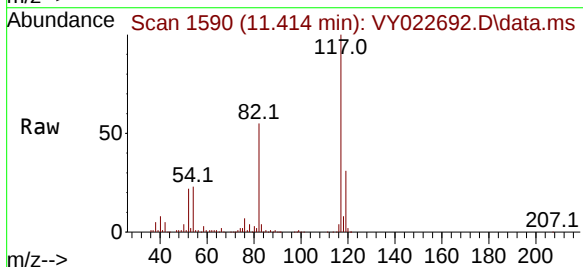
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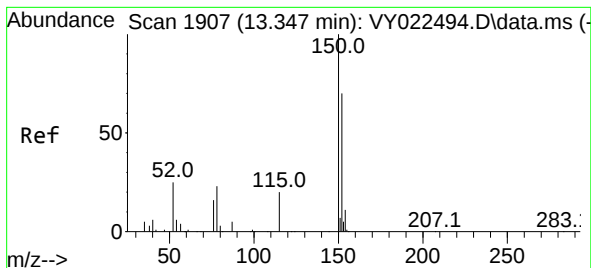
Tgt Ion: 95 Resp: 115721
Ion Ratio Lower Upper
95 100
174 86.4 0.0 170.0
176 82.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022692.D
Acq: 13 Jun 2025 13:05

Tgt Ion: 117 Resp: 315562
Ion Ratio Lower Upper
117 100
82 54.7 44.6 66.8
119 31.2 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: VY022692.D

Acq: 13 Jun 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

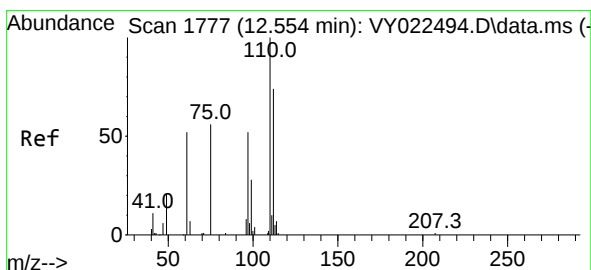
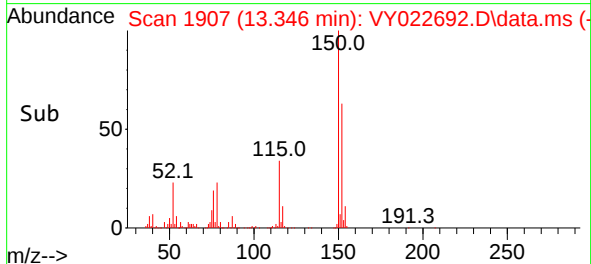
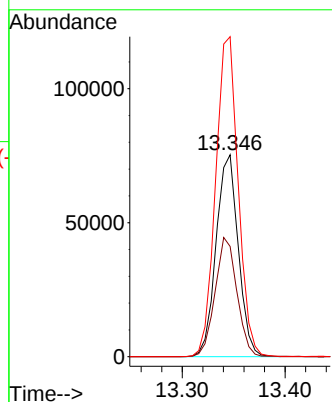
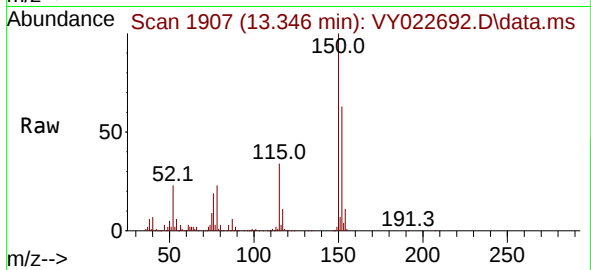
Tgt Ion:152 Resp: 112798

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 161.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.418 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022692.D

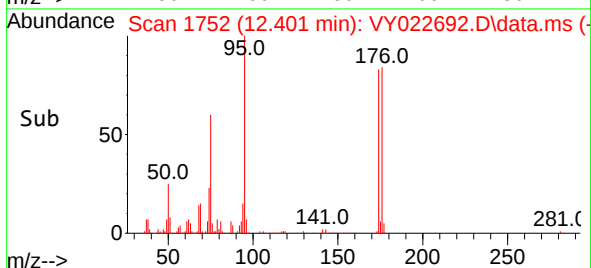
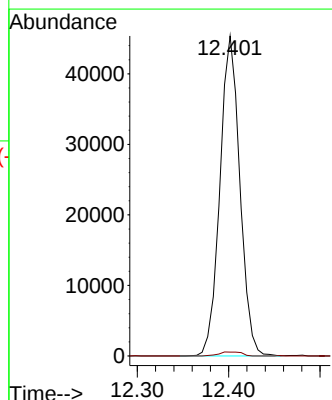
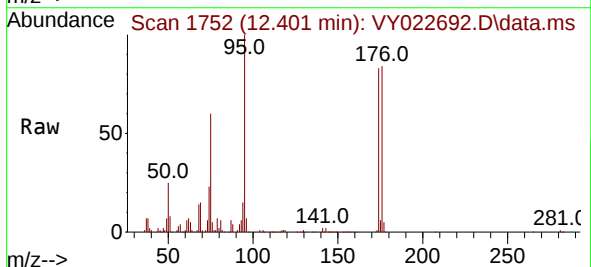
Acq: 13 Jun 2025 13:05

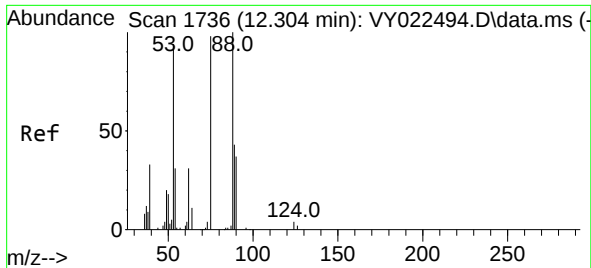
Tgt Ion: 75 Resp: 68933

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.001 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022692.D
 Acq: 13 Jun 2025 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 68933
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

