

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023249.D
 Acq On : 29 Aug 2025 15:52
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 30 01:23:49 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)

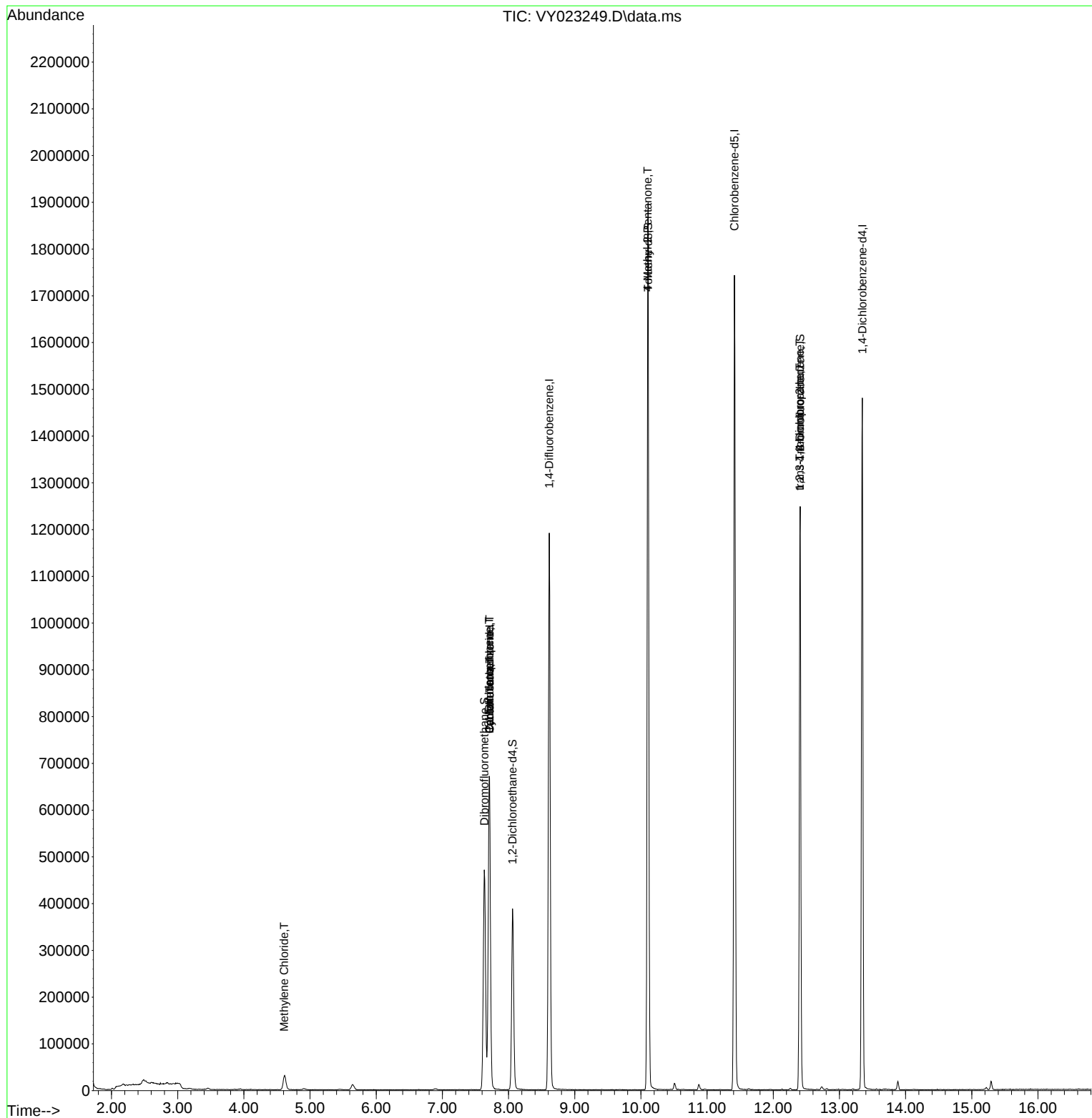
Internal Standards						
1) Pentafluorobenzene	7.713	168	543450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1033880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	955856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	394177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	300069	57.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.860%	
35) Dibromofluoromethane	7.634	113	337018	54.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.960%	
50) Toluene-d8	10.109	98	1257070	52.014	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.020%	
62) 4-Bromofluorobenzene	12.407	95	373086	48.002	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.000%	
Target Compounds						
						Qvalue
20) Methylene Chloride	4.610	84	23625	1.410	ug/l	95
31) Cyclohexane	7.713	56	10468	1.085	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	39370	4.282	ug/l #	49
38) Carbon Tetrachloride	7.713	117	52134	5.221	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	4590	1.140	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	186781	49.098	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	186781	118.851	ug/l #	14

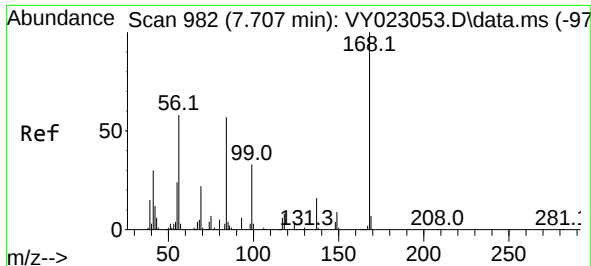
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
Data File : VY023249.D
Acq On : 29 Aug 2025 15:52
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Aug 30 01:23:49 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

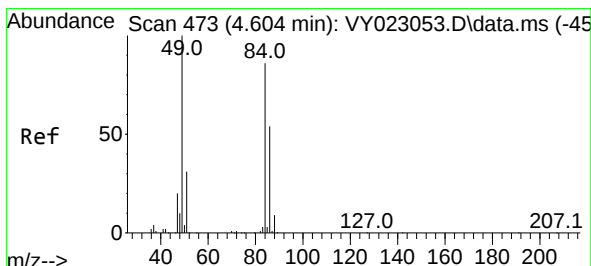
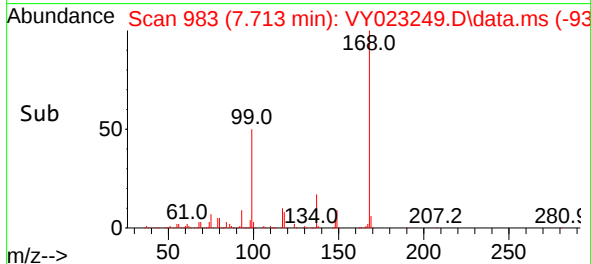
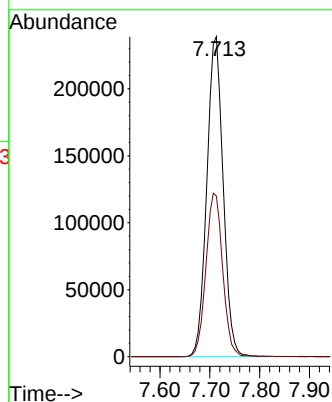
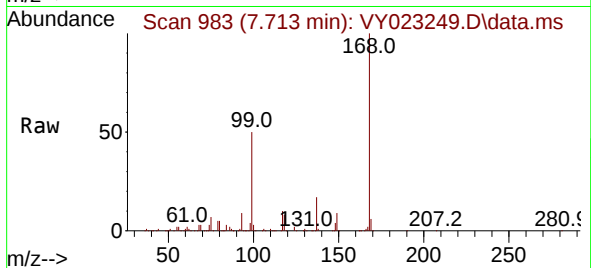




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023249.D
Acq: 29 Aug 2025 15:52

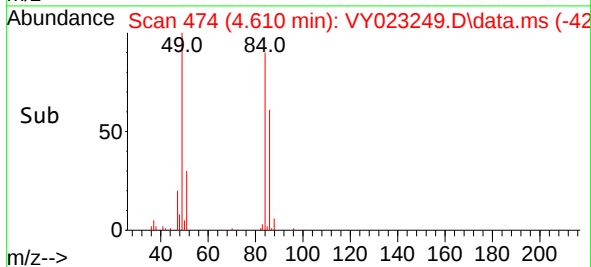
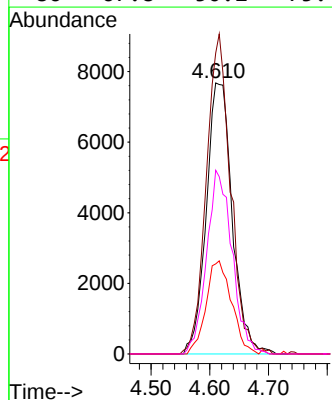
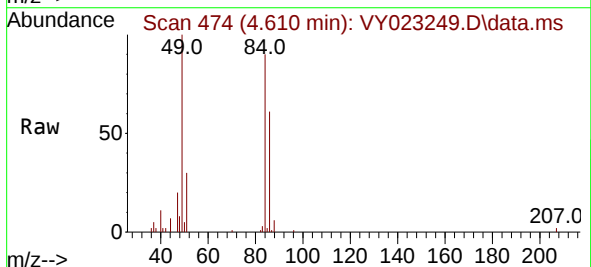
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

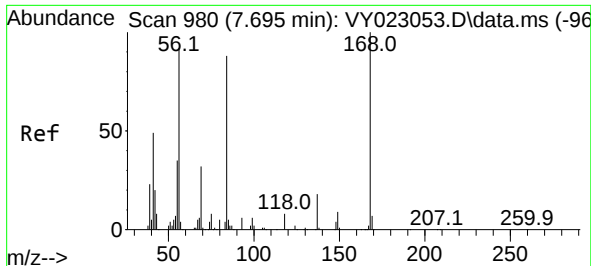
Tgt Ion:168 Resp: 543450
Ion Ratio Lower Upper
168 100
99 50.2 42.8 64.2



#20
Methylene Chloride
Concen: 1.410 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023249.D
Acq: 29 Aug 2025 15:52

Tgt Ion: 84 Resp: 23625
Ion Ratio Lower Upper
84 100
49 111.0 93.0 139.6
51 33.2 29.0 43.4
86 67.8 50.2 75.4

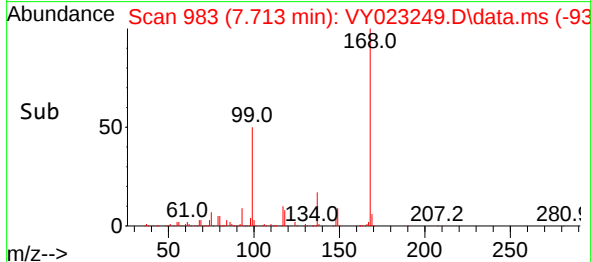
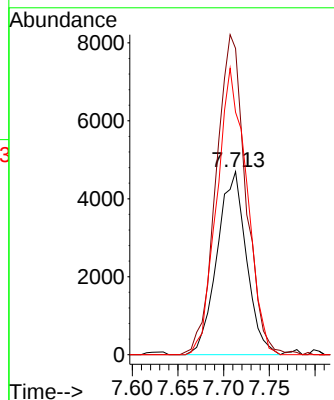
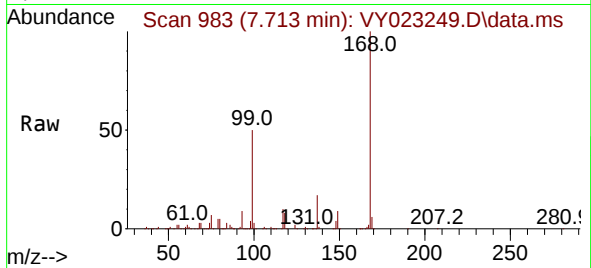




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY023249.D
Acq: 29 Aug 2025 15:52

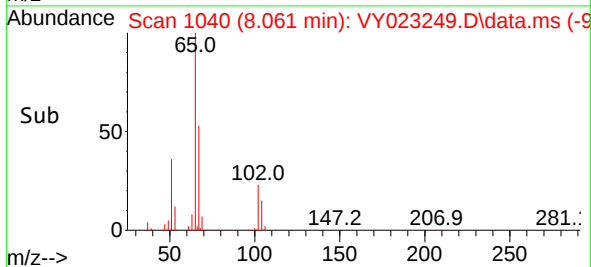
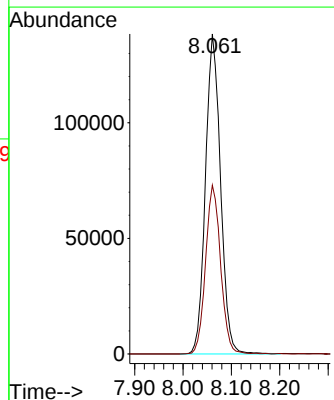
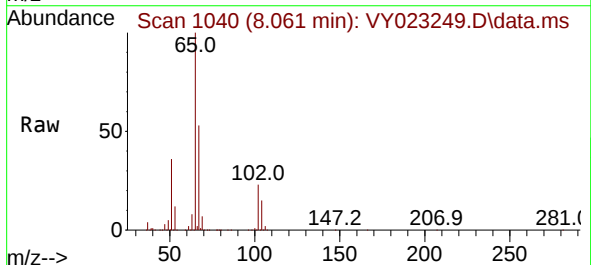
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

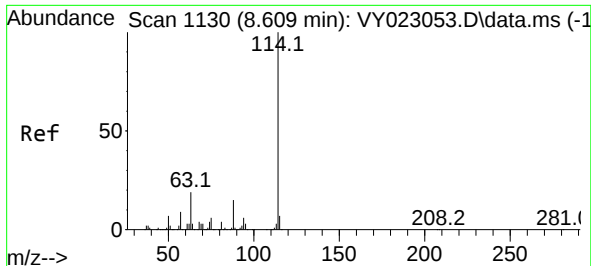
Tgt Ion: 56 Resp: 10468
Ion Ratio Lower Upper
56 100
69 167.4 28.2 42.2#
84 132.4 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 57.935 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023249.D
Acq: 29 Aug 2025 15:52

Tgt Ion: 65 Resp: 300069
Ion Ratio Lower Upper
65 100
67 52.7 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: VY023249.D

Acq: 29 Aug 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

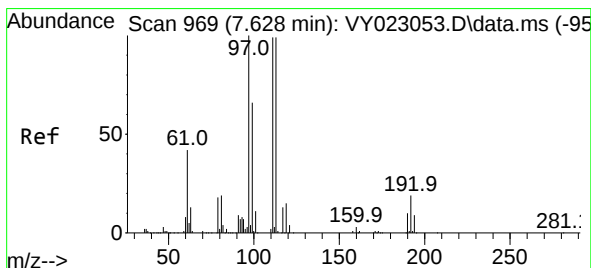
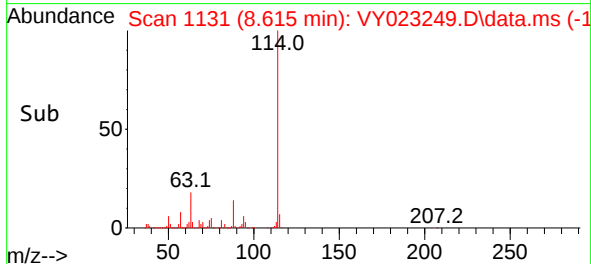
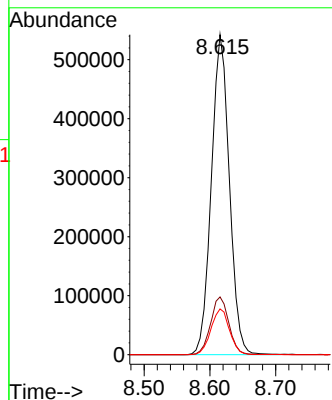
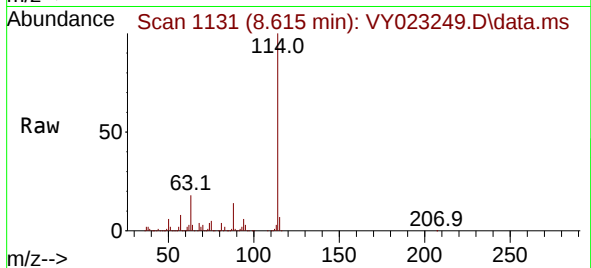
Tgt Ion:114 Resp: 1033880

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 14.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.477 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023249.D

Acq: 29 Aug 2025 15:52

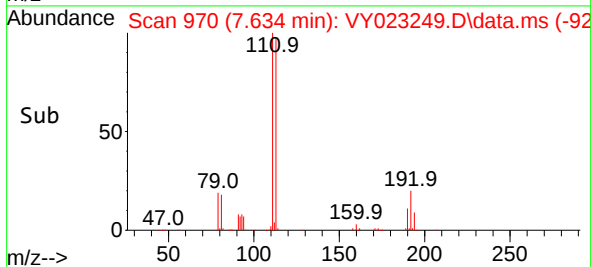
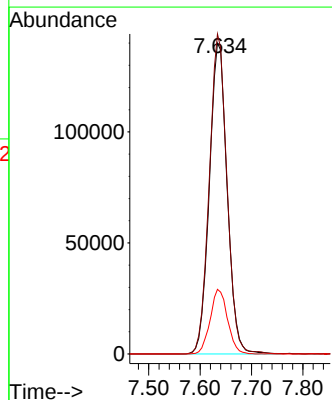
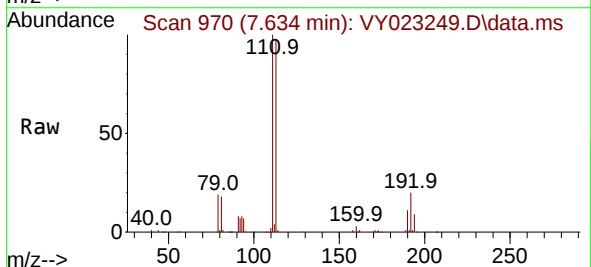
Tgt Ion:113 Resp: 337018

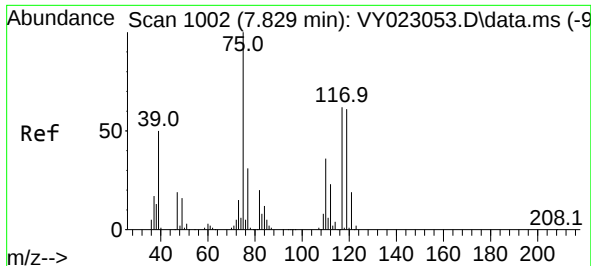
Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 20.3 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.282 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023249.D

Acq: 29 Aug 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

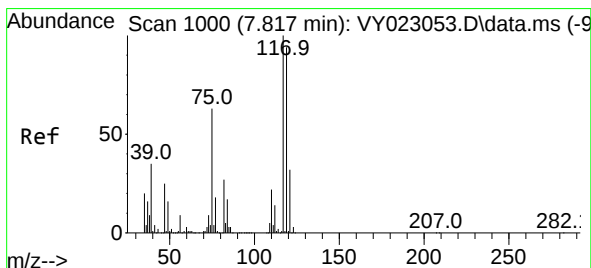
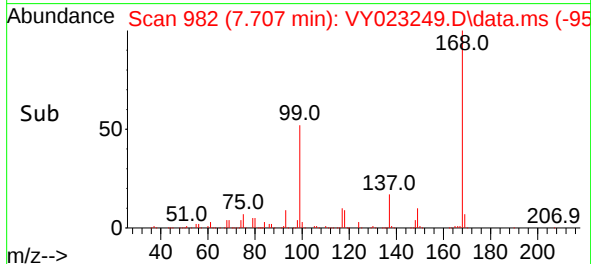
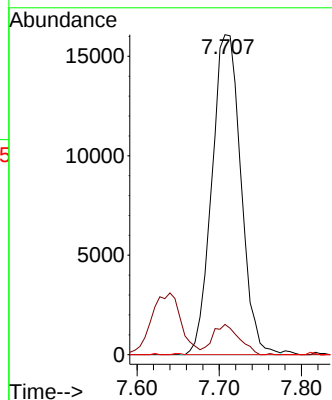
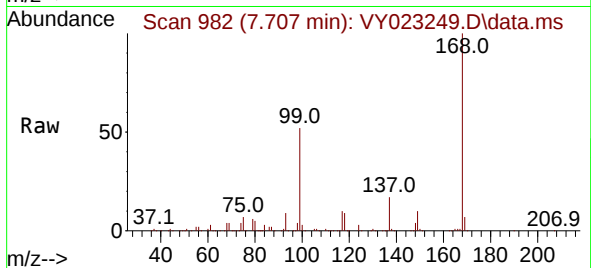
Tgt Ion: 75 Resp: 39370

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.221 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023249.D

Acq: 29 Aug 2025 15:52

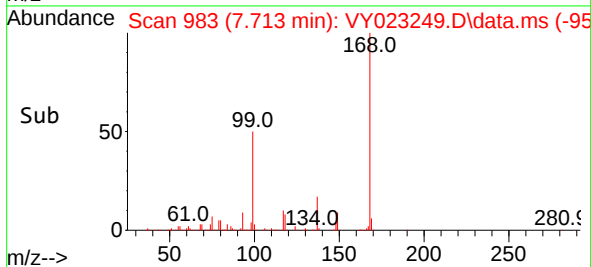
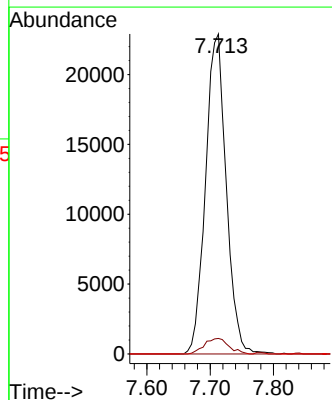
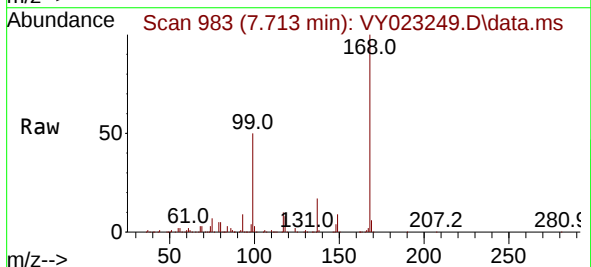
Tgt Ion: 117 Resp: 52134

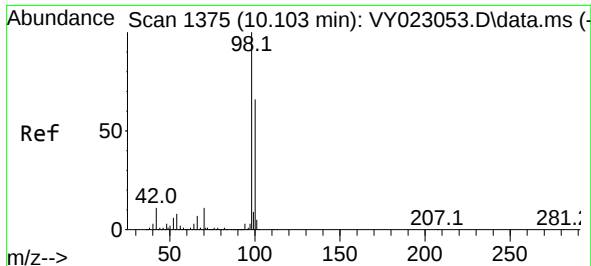
Ion Ratio Lower Upper

117 100

119 4.8 75.6 113.4#

121 0.0 25.8 38.8#

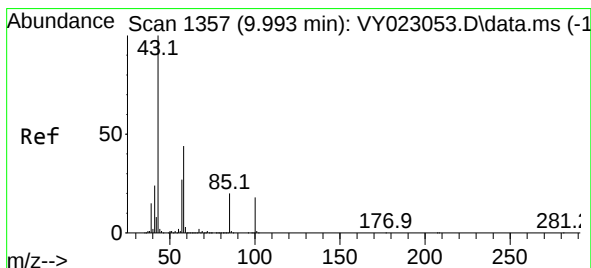
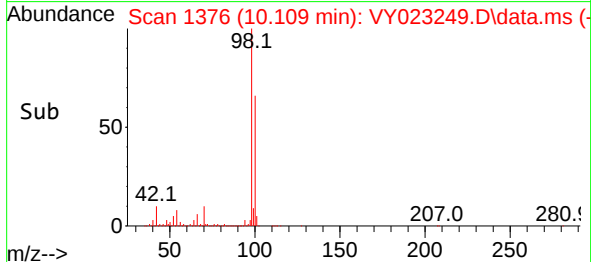
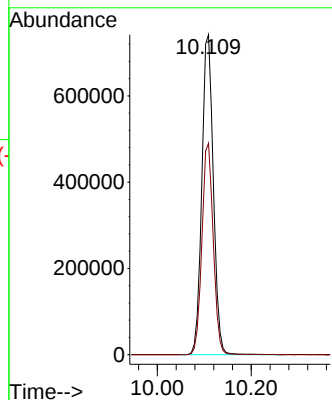
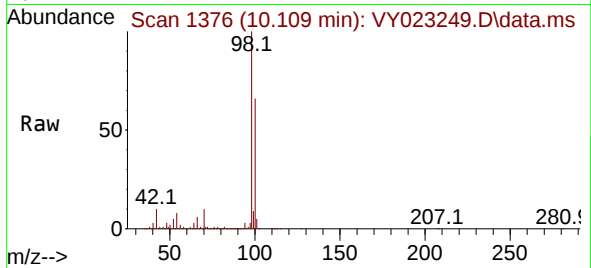




#50
Toluene-d8
Concen: 52.014 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023249.D
Acq: 29 Aug 2025 15:52

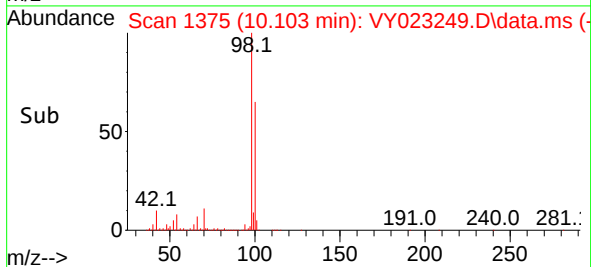
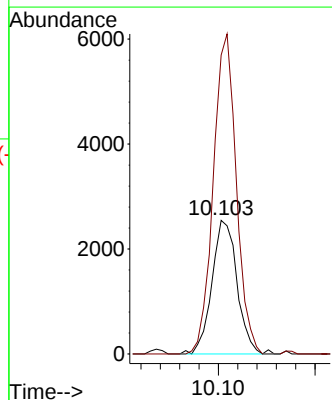
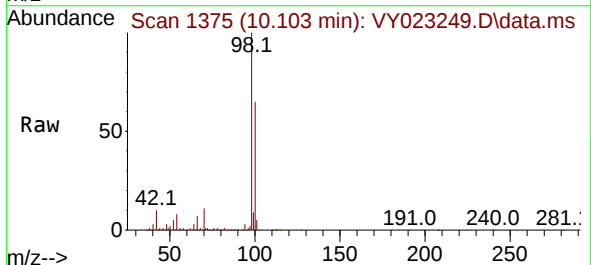
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

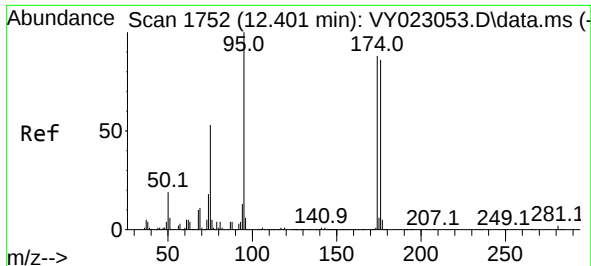
Tgt Ion: 98 Resp: 1257070
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.140 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023249.D
Acq: 29 Aug 2025 15:52

Tgt Ion: 43 Resp: 4590
Ion Ratio Lower Upper
43 100
58 219.1 33.5 50.3#

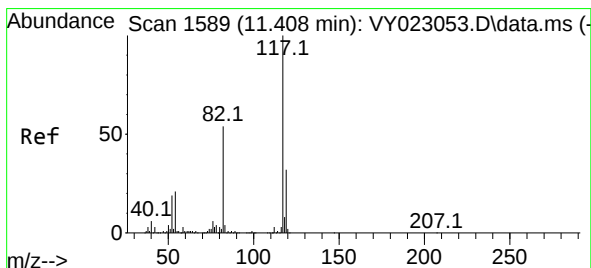
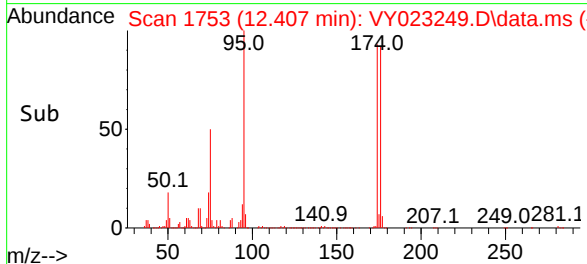
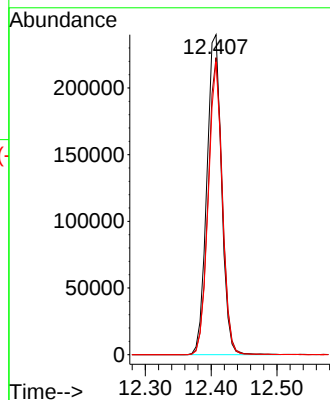
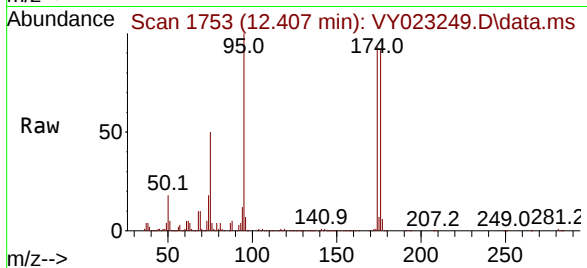




#62
4-Bromofluorobenzene
Concen: 48.002 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023249.D
Acq: 29 Aug 2025 15:52

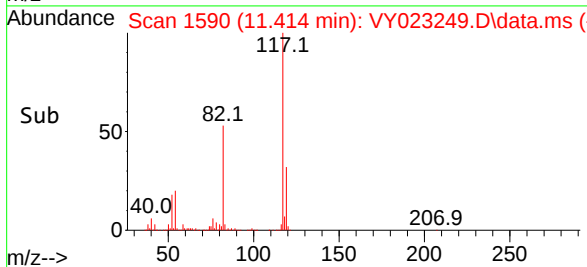
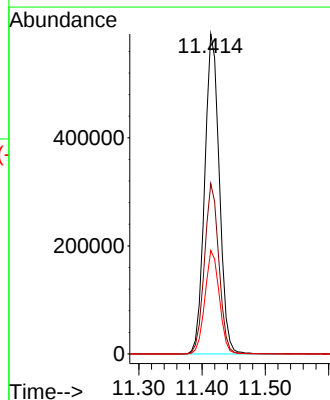
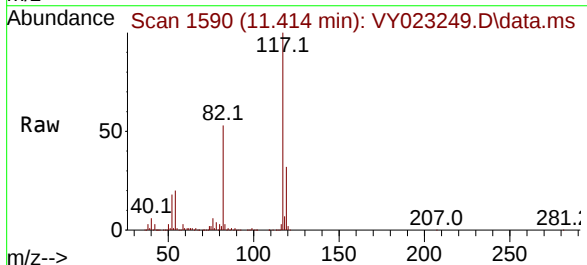
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

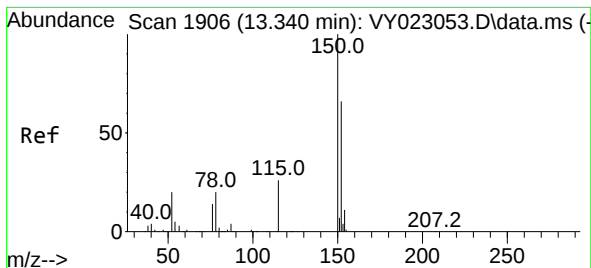
Tgt Ion: 95 Resp: 373086
Ion Ratio Lower Upper
95 100
174 90.4 0.0 171.6
176 86.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023249.D
Acq: 29 Aug 2025 15:52

Tgt Ion: 117 Resp: 955856
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023249.D

Acq: 29 Aug 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

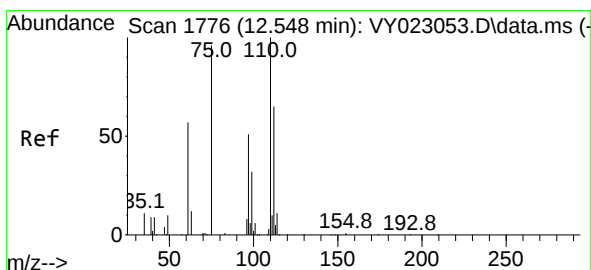
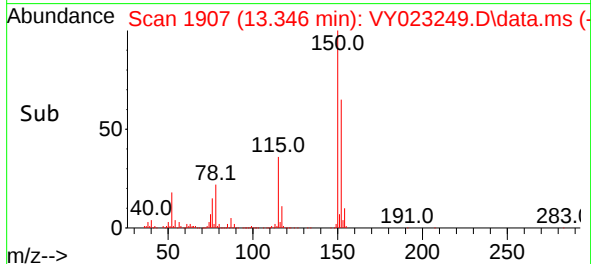
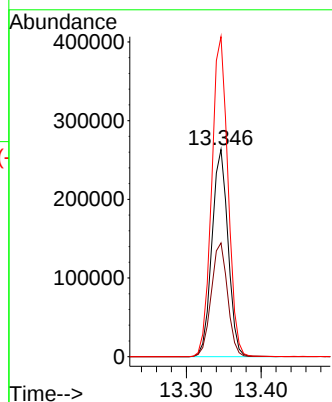
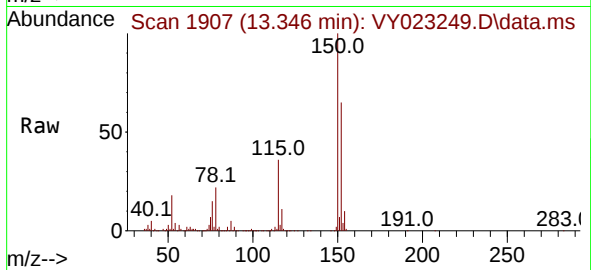
Tgt Ion:152 Resp: 394177

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 156.0 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 49.098 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023249.D

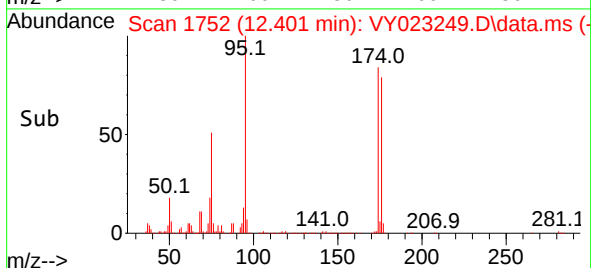
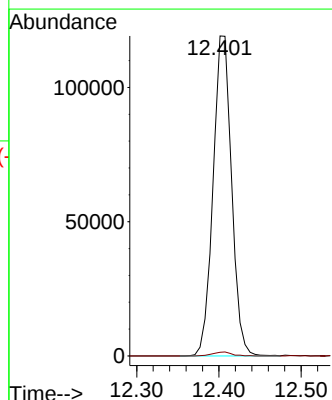
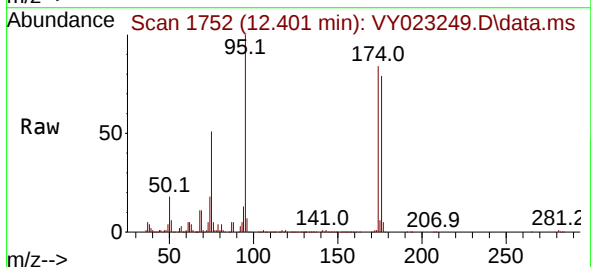
Acq: 29 Aug 2025 15:52

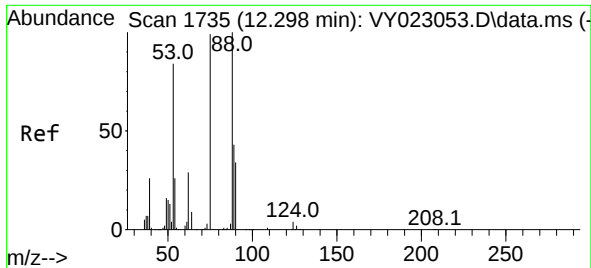
Tgt Ion: 75 Resp: 186781

Ion Ratio Lower Upper

75 100

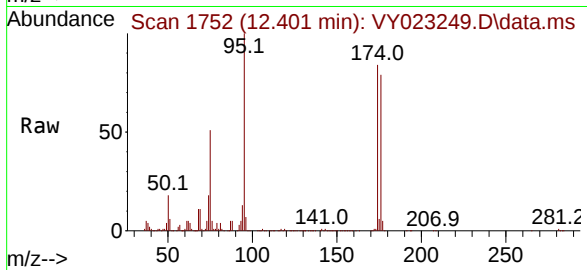
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.851 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY023249.D
 Acq: 29 Aug 2025 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 186781
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

