

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023230.D
 Acq On : 28 Aug 2025 16:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 29 02:12:59 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	571566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1094913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1001756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	417700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	315665	57.948	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.900%	
35) Dibromofluoromethane	7.640	113	357136	54.511	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.020%	
50) Toluene-d8	10.109	98	1316643	51.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.880%	
62) 4-Bromofluorobenzene	12.401	95	397818	48.331	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.660%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1355	1.148	ug/l #	86
20) Methylene Chloride	4.616	84	23988	1.262	ug/l	93
31) Cyclohexane	7.713	56	10935	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	41839	4.297	ug/l #	49
38) Carbon Tetrachloride	7.707	117	55168	5.217	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4958	1.163	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	204853	50.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	204853	123.010	ug/l #	14

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

Quant Time: Aug 29 02:12:59 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

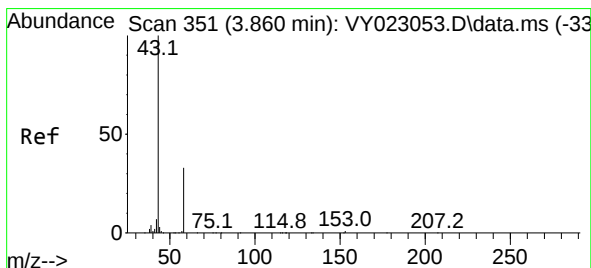
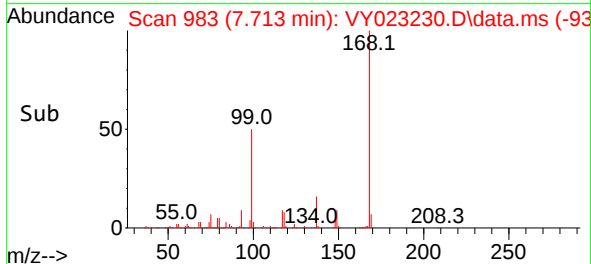
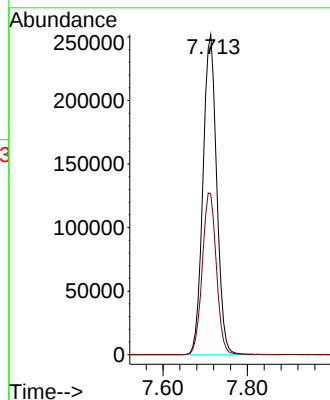
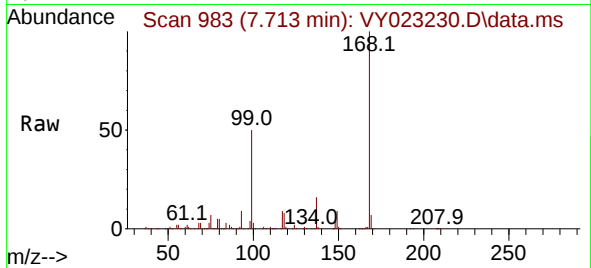




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

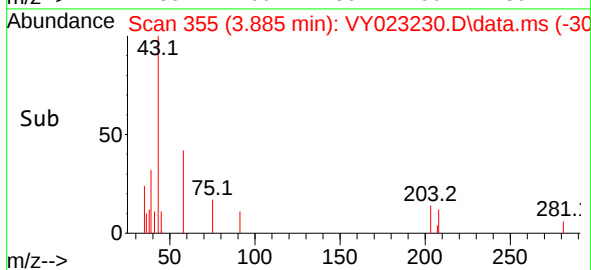
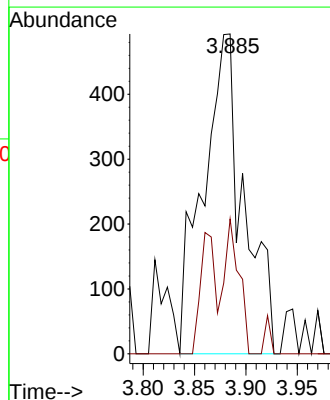
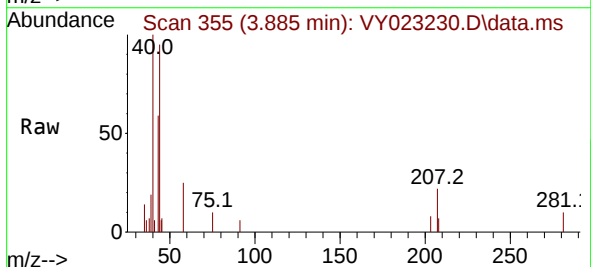
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

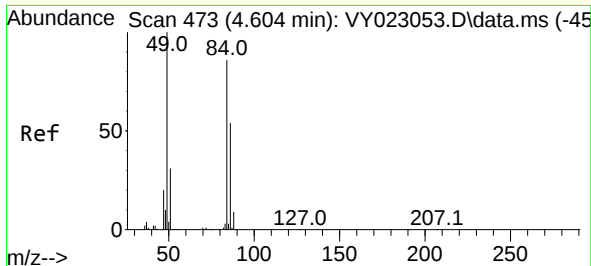
Tgt Ion:168 Resp: 571566
Ion Ratio Lower Upper
168 100
99 50.2 42.8 64.2



#16
Acetone
Concen: 1.148 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.024 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

Tgt Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
58 42.2 27.1 40.7#

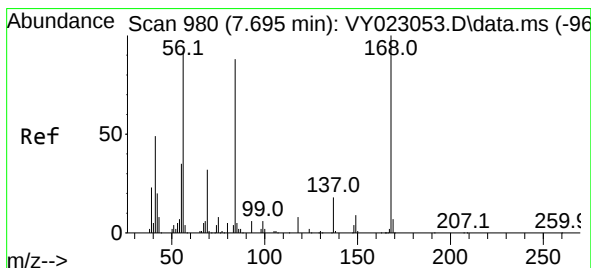
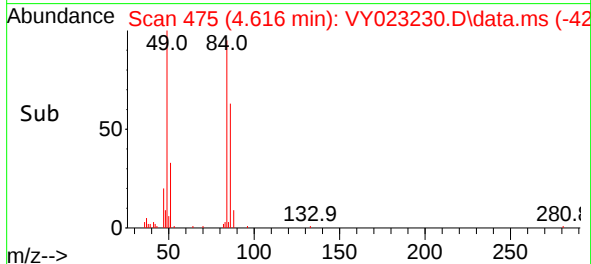
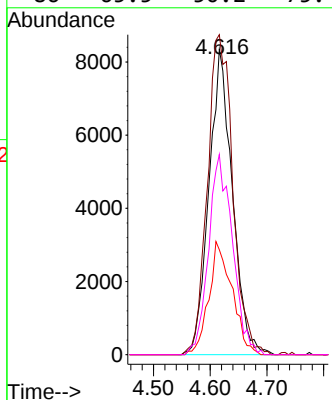
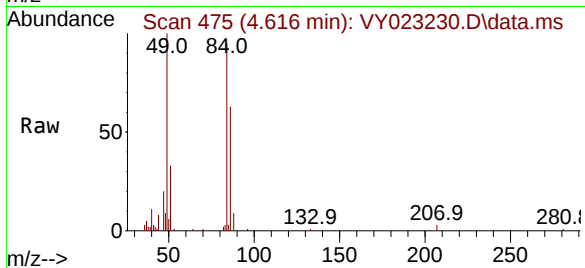




#20
Methylene Chloride
Concen: 1.262 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

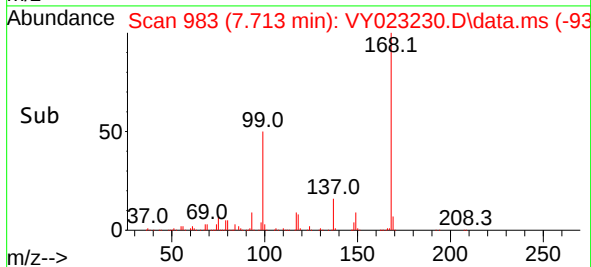
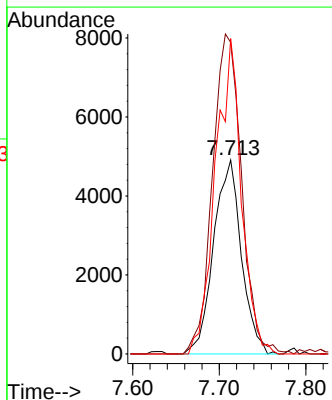
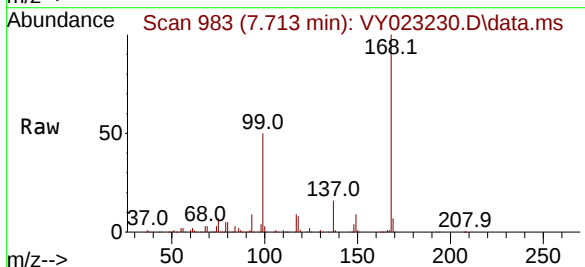
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:	84	Resp:	23988
Ion	Ratio	Lower	Upper
84	100		
49	104.7	93.0	139.6
51	34.4	29.0	43.4
86	65.5	50.2	75.4



#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

Tgt Ion:	56	Resp:	10935
Ion	Ratio	Lower	Upper
56	100		
69	160.7	28.2	42.2#
84	162.6	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 57.948 ug/l

RT: 8.067 min Scan# 1103

Delta R.T. 0.012 min

Lab File: VY023230.D

Acq: 28 Aug 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

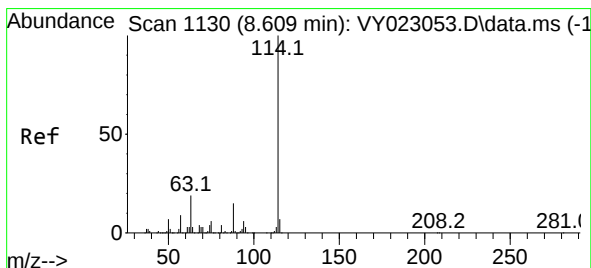
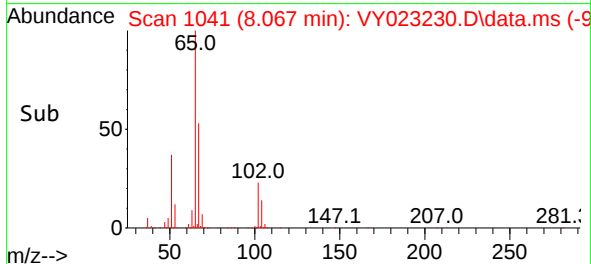
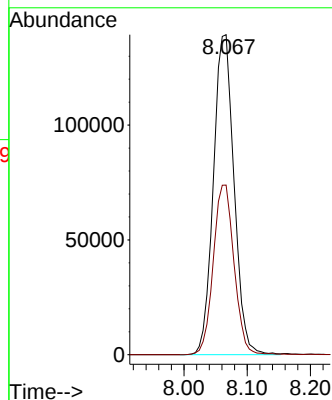
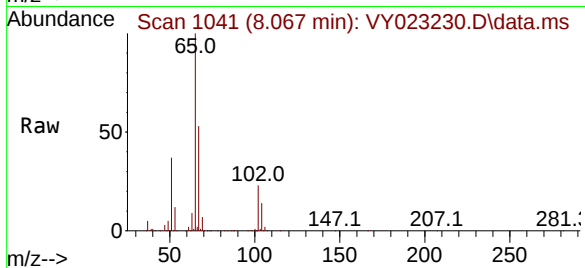
VIBLK

Tgt Ion: 65 Resp: 315665

Ion Ratio Lower Upper

65 100

67 53.5 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: VY023230.D

Acq: 28 Aug 2025 16:38

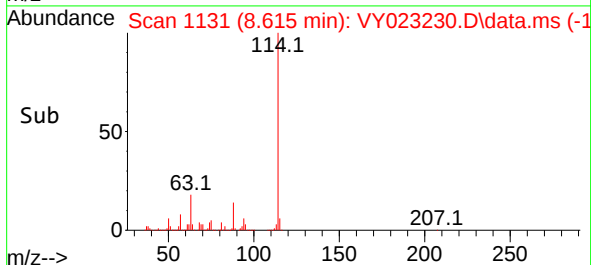
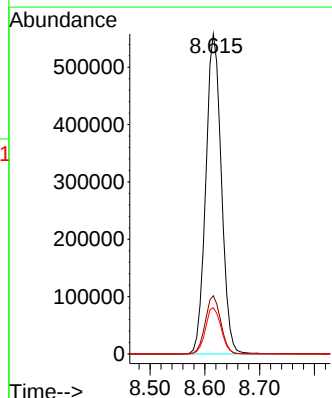
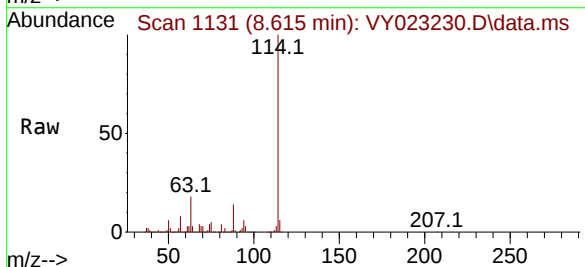
Tgt Ion: 114 Resp: 1094913

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.4 0.0 30.0

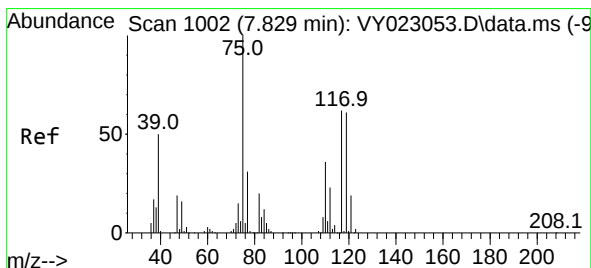
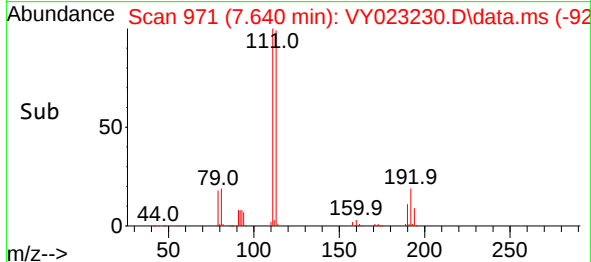
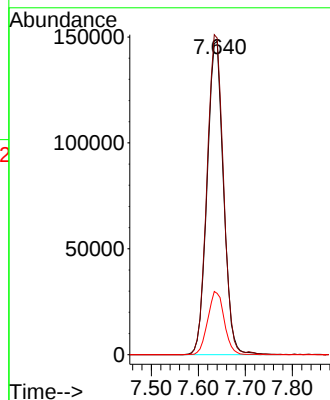
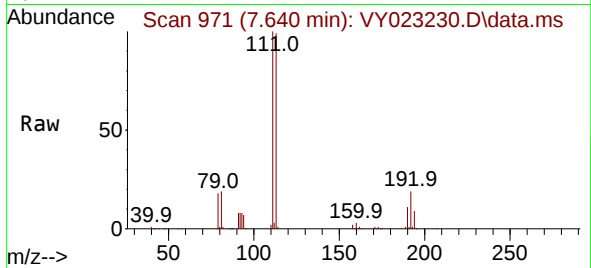




#35
Dibromofluoromethane
Concen: 54.511 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

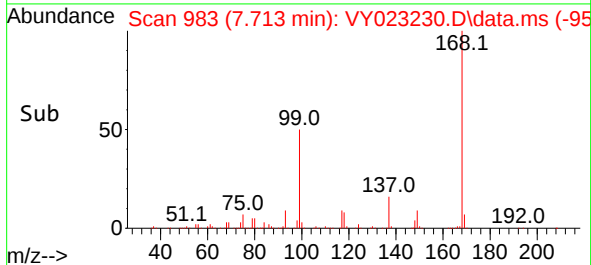
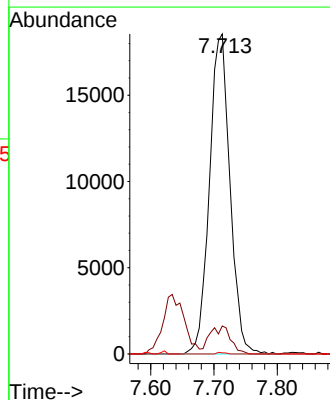
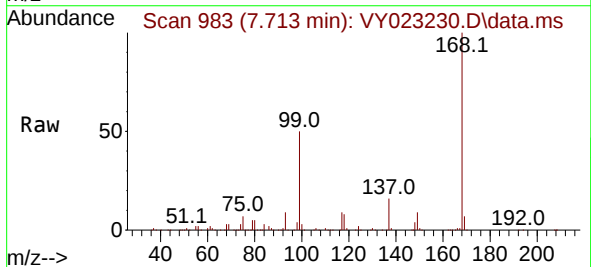
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:113 Resp: 357136
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 20.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.297 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

Tgt Ion: 75 Resp: 41839
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.2 24.6 37.0#

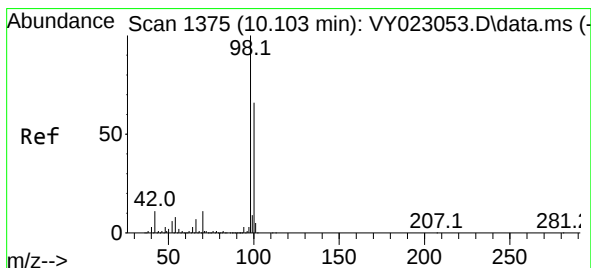
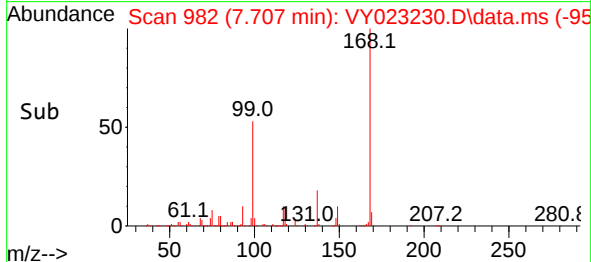
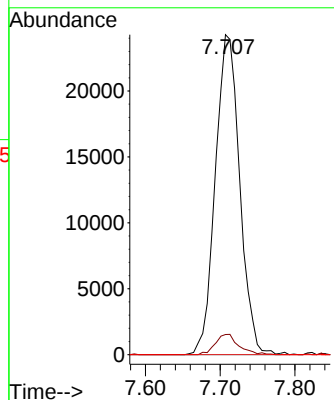
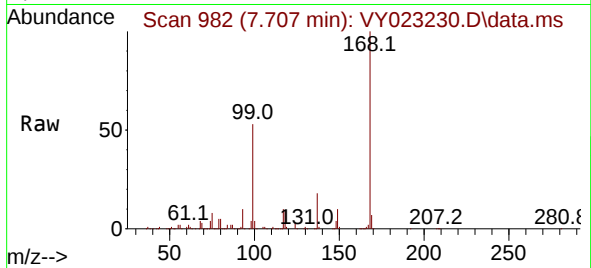




#38
Carbon Tetrachloride
Concen: 5.217 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

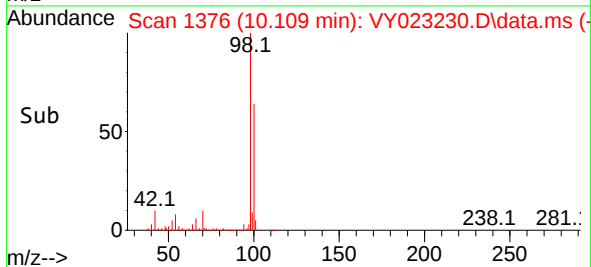
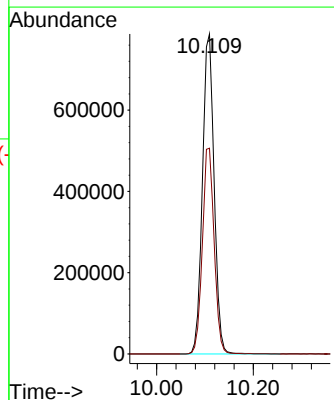
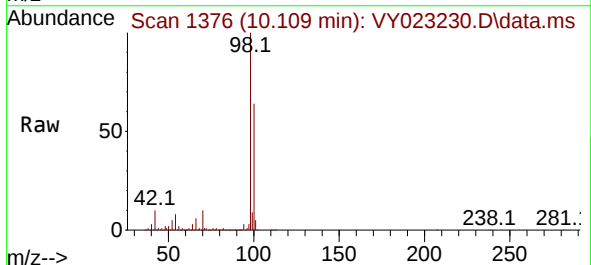
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

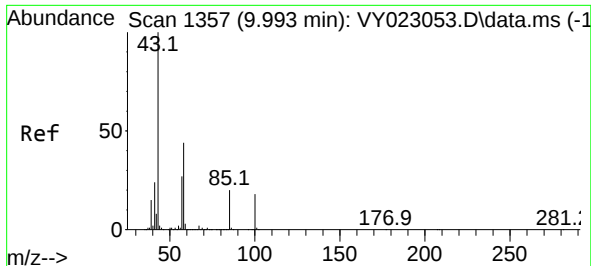
Tgt Ion:117 Resp: 55168
Ion Ratio Lower Upper
117 100
119 6.3 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.443 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

Tgt Ion: 98 Resp: 1316643
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.163 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY023230.D

Acq: 28 Aug 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

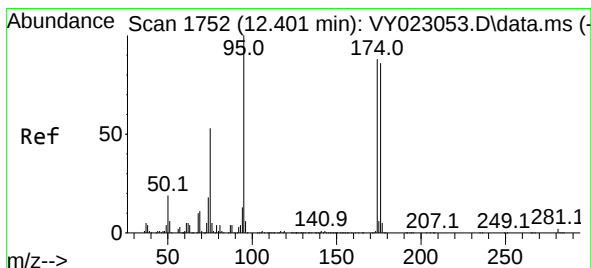
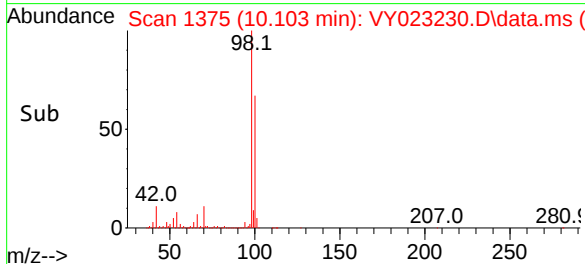
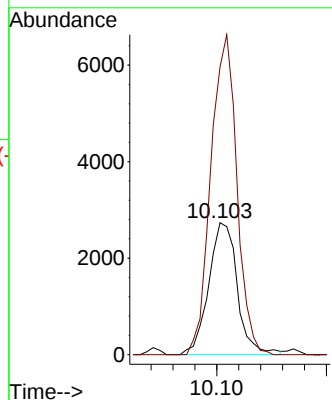
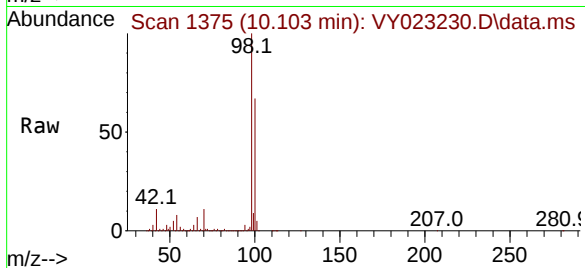
VIBLK

Tgt Ion: 43 Resp: 4958

Ion Ratio Lower Upper

43 100

58 220.6 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 48.331 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023230.D

Acq: 28 Aug 2025 16:38

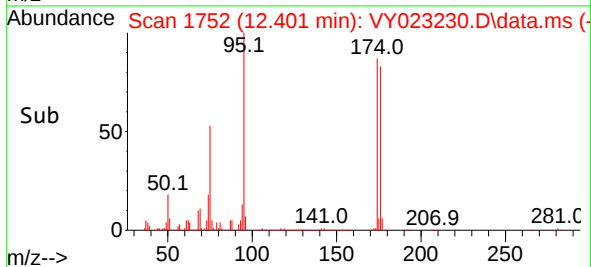
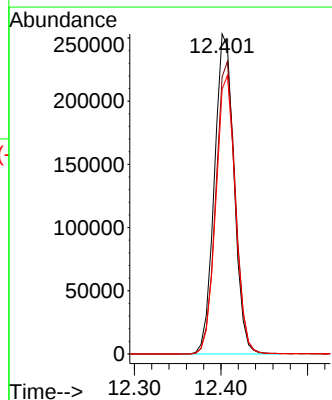
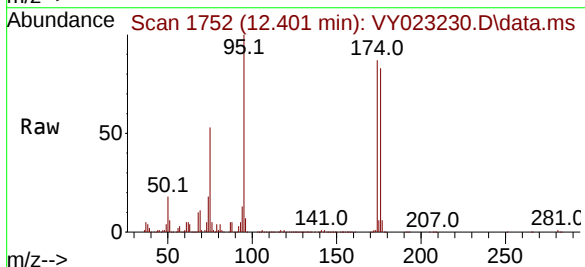
Tgt Ion: 95 Resp: 397818

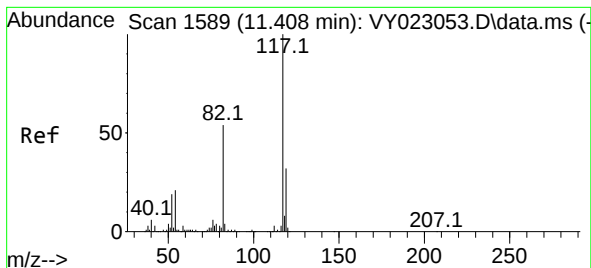
Ion Ratio Lower Upper

95 100

174 91.4 0.0 171.6

176 87.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023230.D

Acq: 28 Aug 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

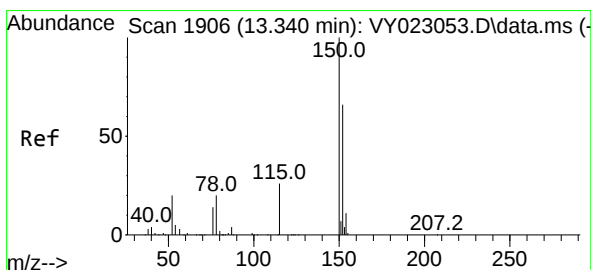
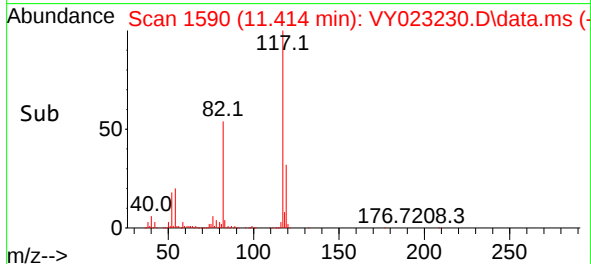
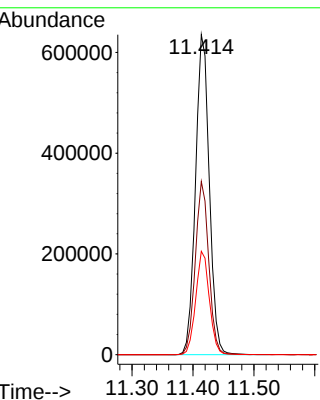
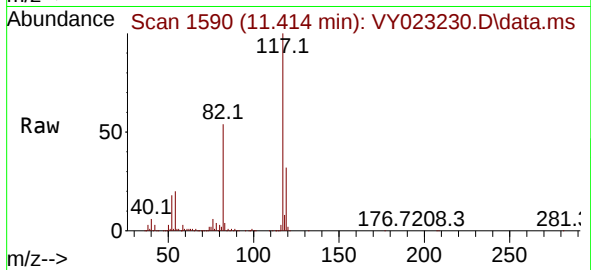
Tgt Ion:117 Resp: 1001756

Ion Ratio Lower Upper

117 100

82 54.1 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# 1907

Delta R.T. 0.006 min

Lab File: VY023230.D

Acq: 28 Aug 2025 16:38

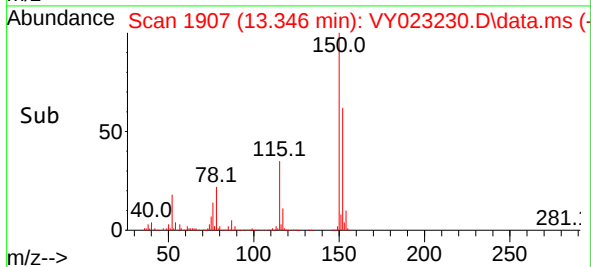
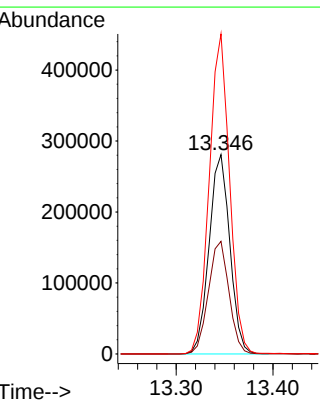
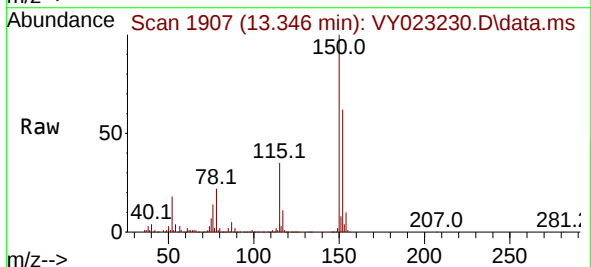
Tgt Ion:152 Resp: 417700

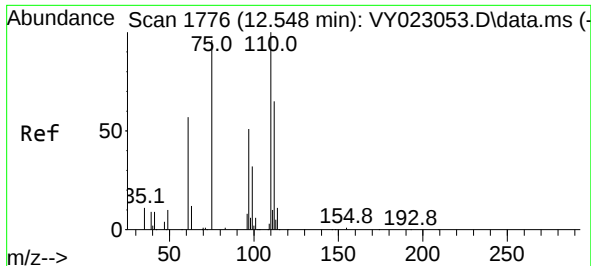
Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 157.4 0.0 348.0

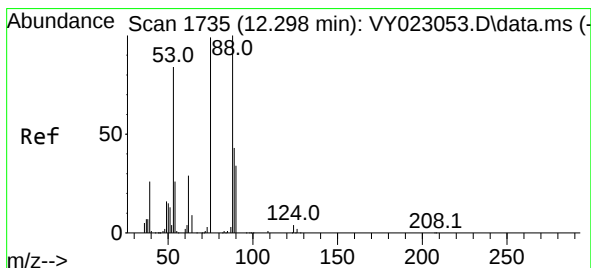
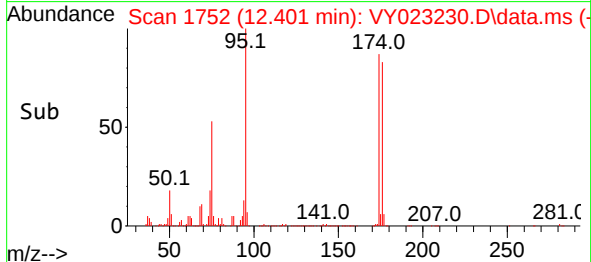
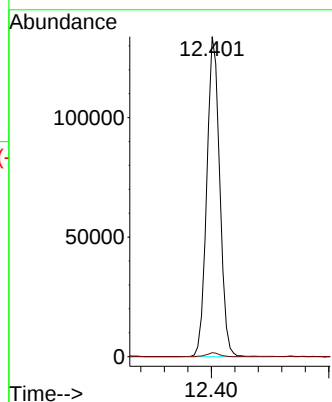
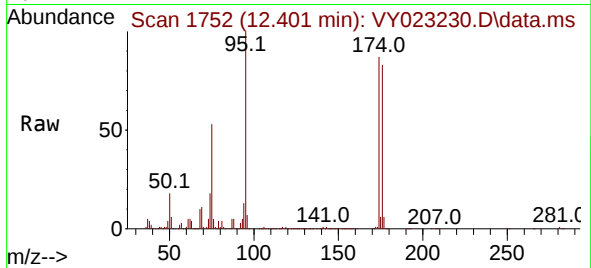




#76
1,2,3-Trichloropropane
Concen: 50.816 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 204853
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.010 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

Tgt Ion: 75 Resp: 204853
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.0 38.1 57.1#

