

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023373.D
 Acq On : 25 Sep 2025 14:56
 Operator : SY/MD
 Sample : Q3174-02
 Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SBF1

Quant Time: Sep 26 04:24:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

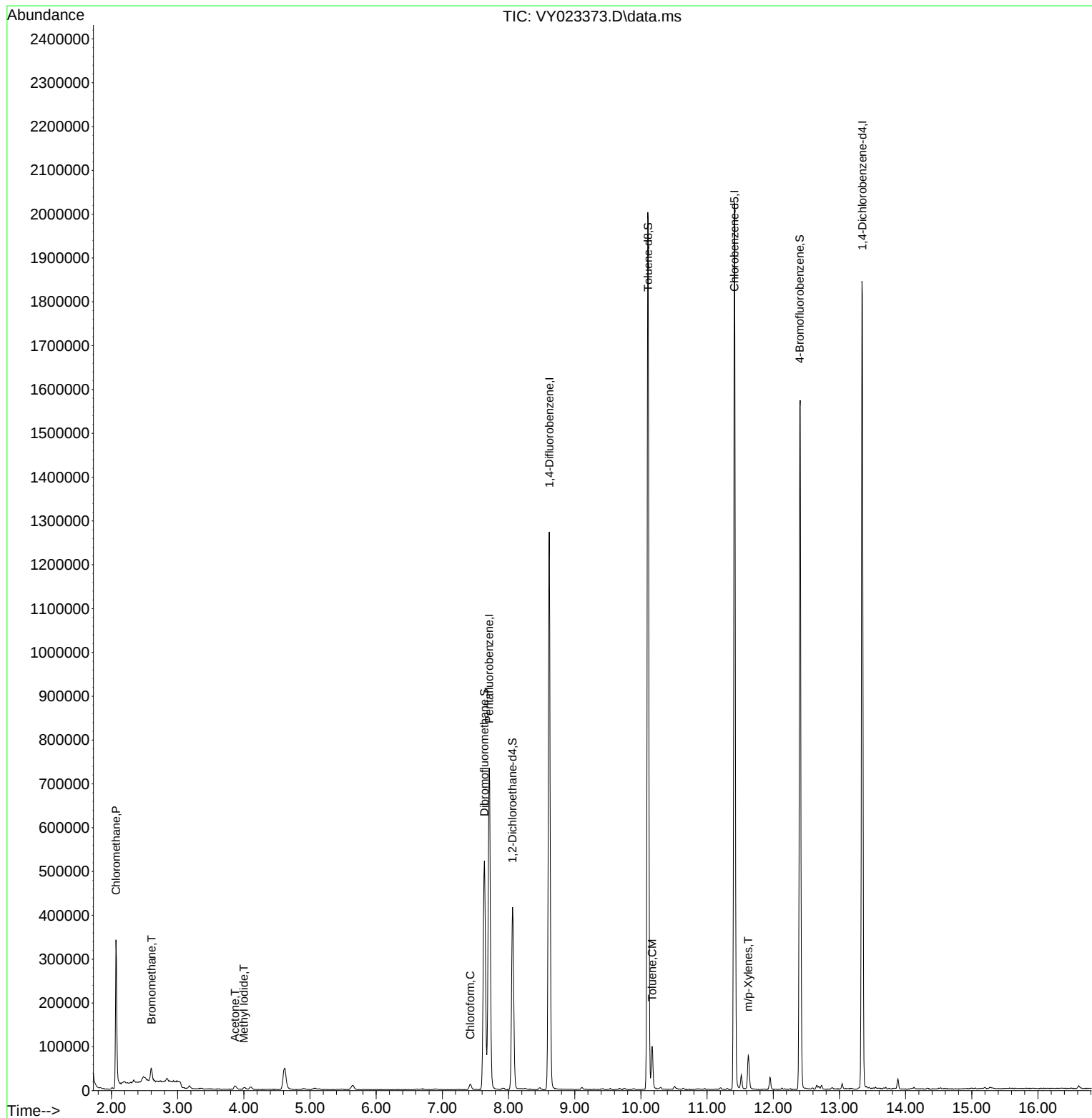
Internal Standards						
1) Pentafluorobenzene	7.707	168	616227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1138197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1103007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	505673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	322696	59.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.180%	
35) Dibromofluoromethane	7.634	113	375231	53.933	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.860%	
50) Toluene-d8	10.109	98	1360036	51.768	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.540%	
62) 4-Bromofluorobenzene	12.402	95	462048	55.887	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	276761	39.122	ug/l	97
5) Bromomethane	2.605	94	21921	3.012	ug/l	98
10) Methyl Iodide	4.001	142	7289	1.033	ug/l #	93
16) Acetone	3.866	43	14066	11.404	ug/l	94
30) Chloroform	7.421	83	12538	1.090	ug/l	83
52) Toluene	10.170	92	41835	2.140	ug/l	99
68) m/p-Xylenes	11.621	106	23834	1.508	ug/l	100

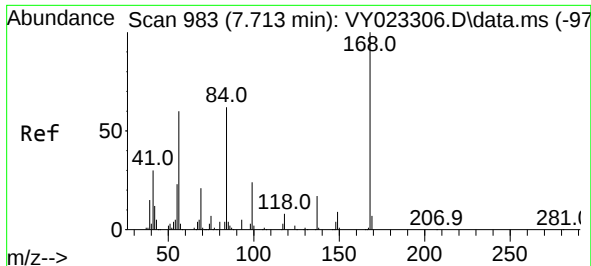
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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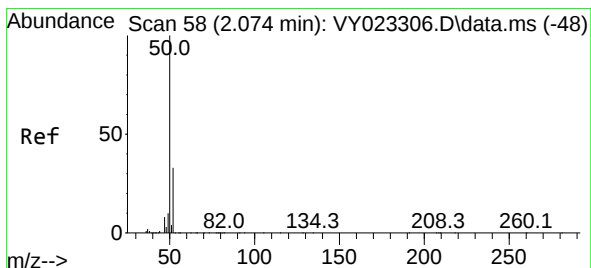
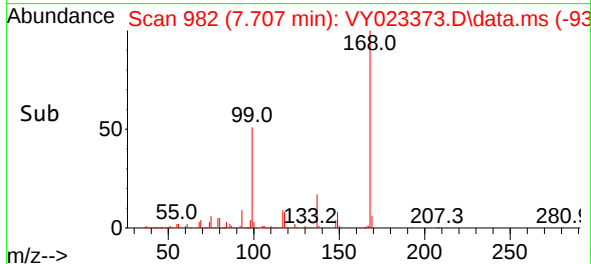
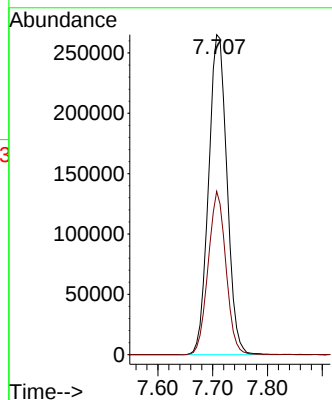
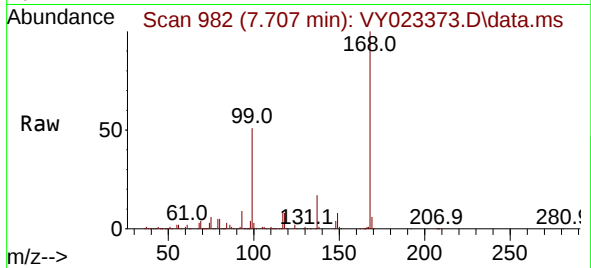




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

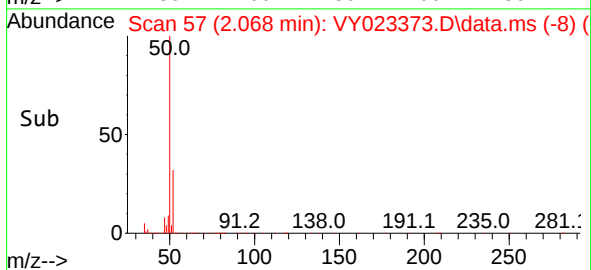
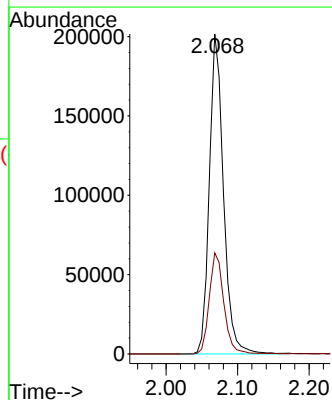
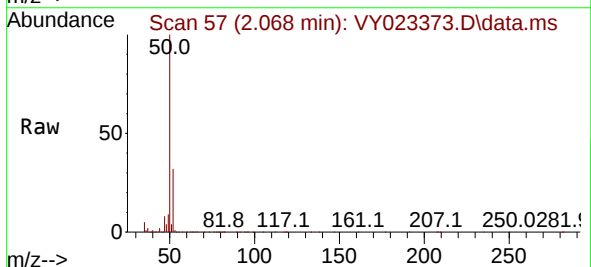
Instrument :
MSVOA_Y
ClientSampleId :
SBF1

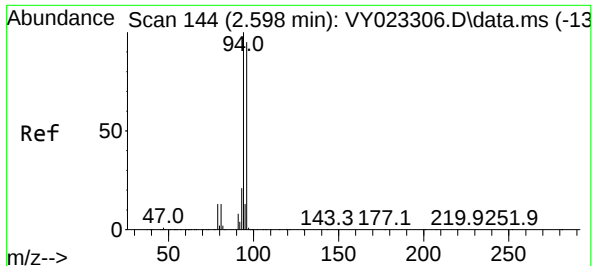
Tgt Ion:168 Resp: 616227
Ion Ratio Lower Upper
168 100
99 51.1 42.8 64.2



#3
Chloromethane
Concen: 39.122 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion: 50 Resp: 276761
Ion Ratio Lower Upper
50 100
52 31.6 26.7 40.1

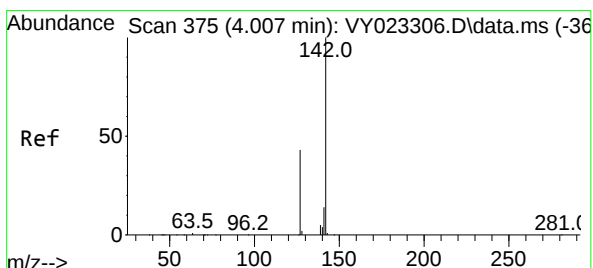
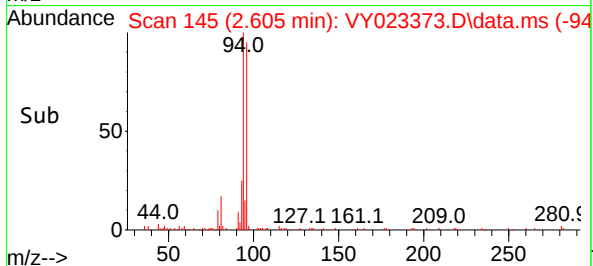
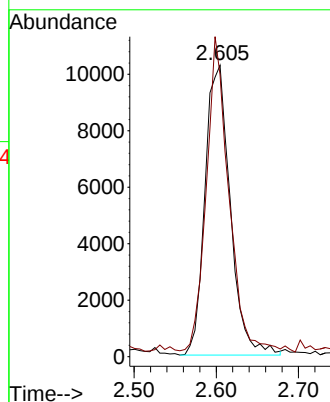
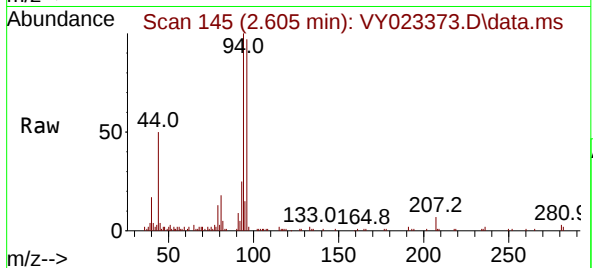




#5
Bromomethane
Concen: 3.012 ug/l
RT: 2.605 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

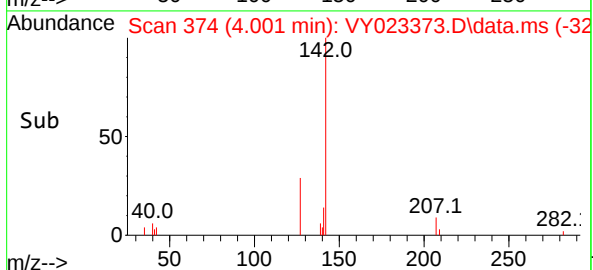
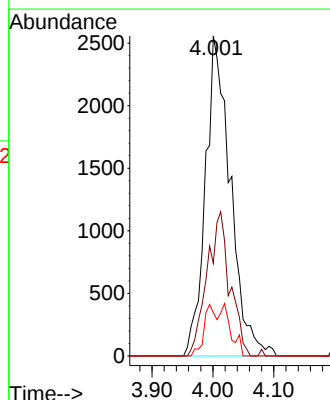
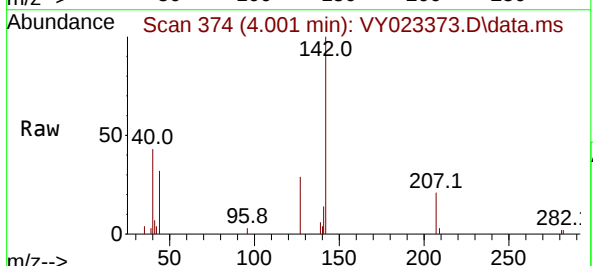
Instrument :
MSVOA_Y
ClientSampleId :
SBF1

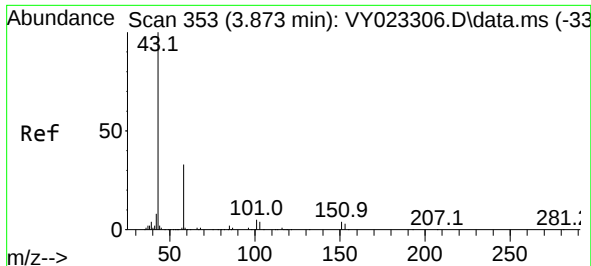
Tgt Ion: 94 Resp: 21921
Ion Ratio Lower Upper
94 100
96 95.3 74.6 112.0



#10
Methyl Iodide
Concen: 1.033 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion: 142 Resp: 7289
Ion Ratio Lower Upper
142 100
127 41.0 34.9 52.3
141 8.0 11.3 16.9





#16

Acetone

Concen: 11.404 ug/l

RT: 3.866 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY023373.D

Acq: 25 Sep 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

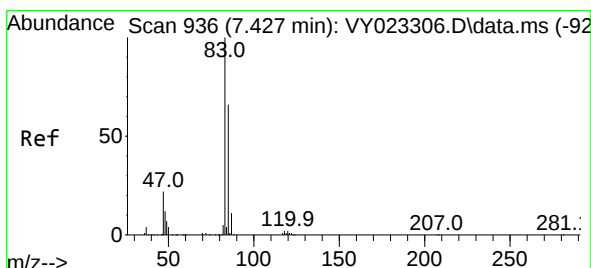
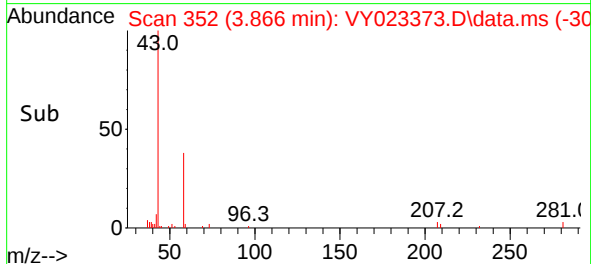
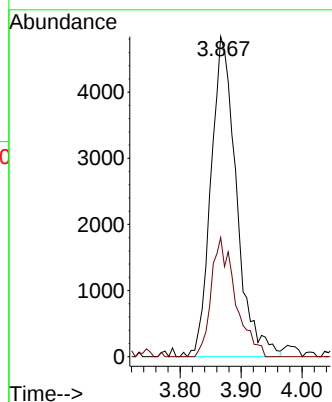
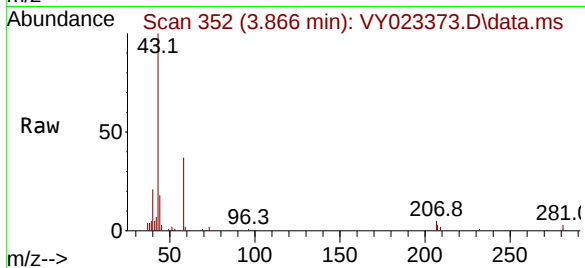
SBF1

Tgt Ion: 43 Resp: 14066

Ion Ratio Lower Upper

43 100

58 37.2 27.1 40.7



#30

Chloroform

Concen: 1.090 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023373.D

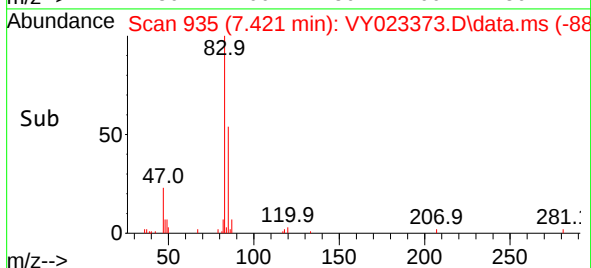
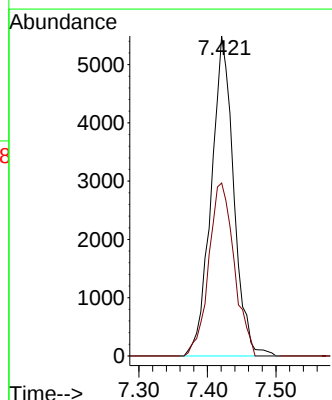
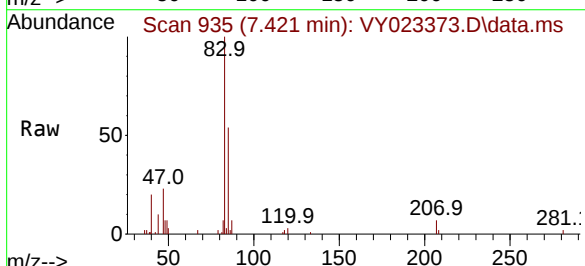
Acq: 25 Sep 2025 14:56

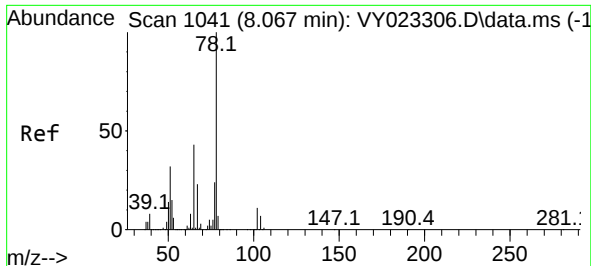
Tgt Ion: 83 Resp: 12538

Ion Ratio Lower Upper

83 100

85 54.0 53.8 80.8





#33

1,2-Dichloroethane-d4

Concen: 59.594 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023373.D

Acq: 25 Sep 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

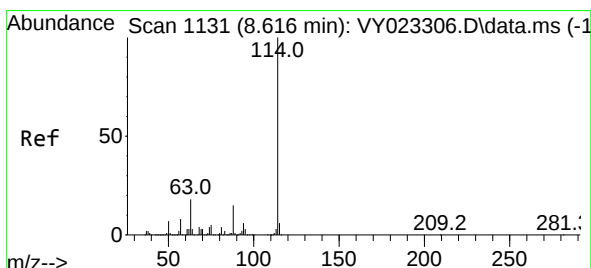
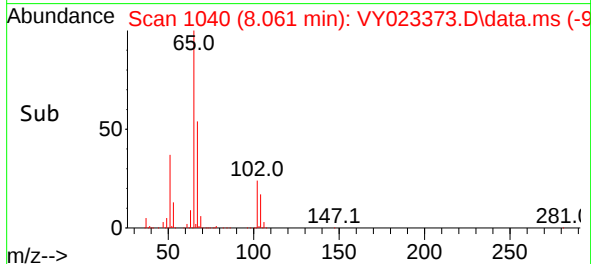
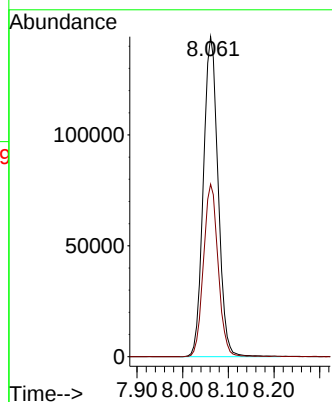
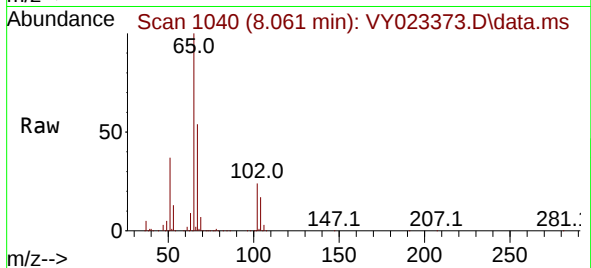
SBF1

Tgt Ion: 65 Resp: 322696

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023373.D

Acq: 25 Sep 2025 14:56

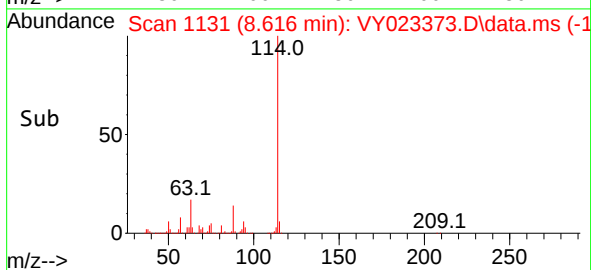
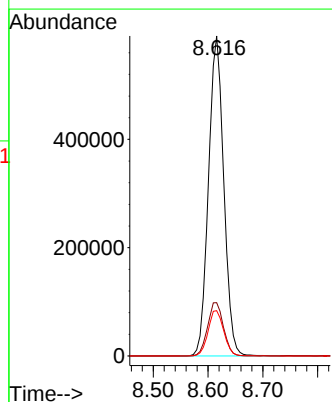
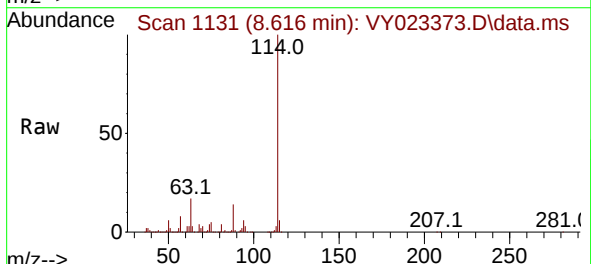
Tgt Ion: 114 Resp: 1138197

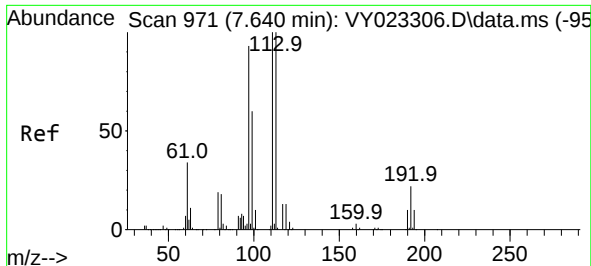
Ion Ratio Lower Upper

114 100

63 16.7 0.0 38.4

88 14.2 0.0 30.0

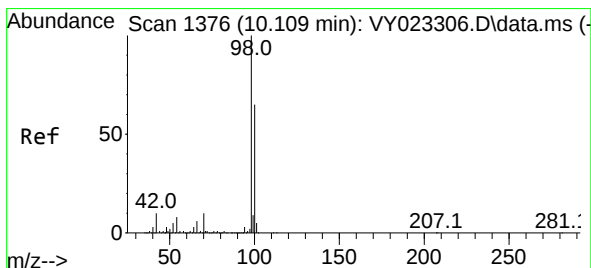
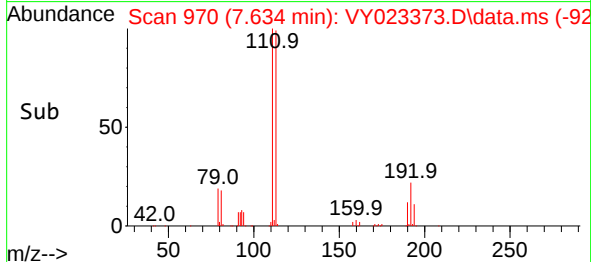
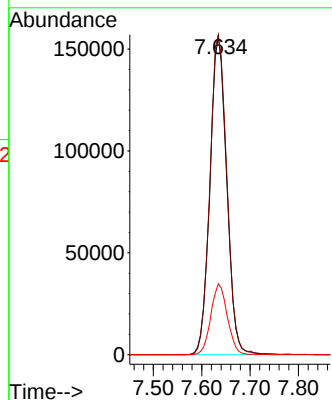
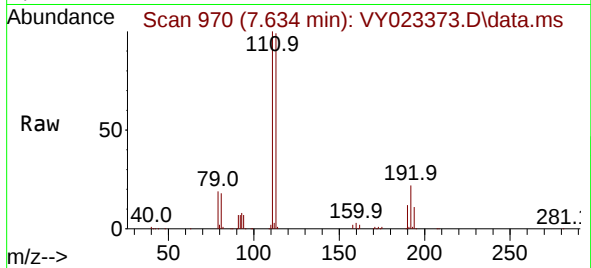




#35
Dibromofluoromethane
Concen: 53.933 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

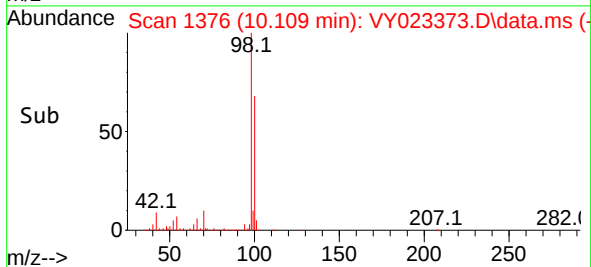
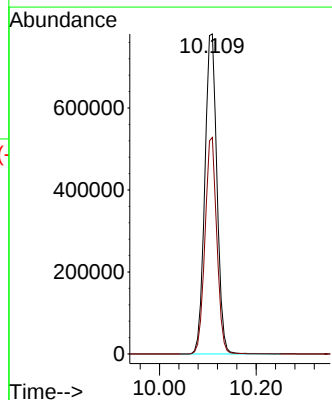
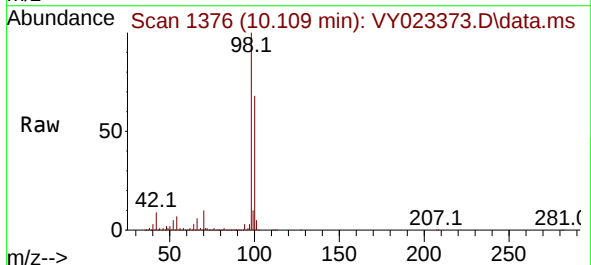
Instrument :
MSVOA_Y
ClientSampleId :
SBF1

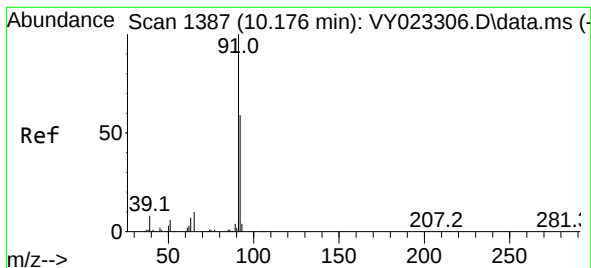
Tgt Ion:113 Resp: 375231
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 21.9 16.2 24.4



#50
Toluene-d8
Concen: 51.768 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023373.D
Acq: 25 Sep 2025 14:56

Tgt Ion: 98 Resp: 1360036
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5





#52

Toluene

Concen: 2.140 ug/l

RT: 10.170 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023373.D

Acq: 25 Sep 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

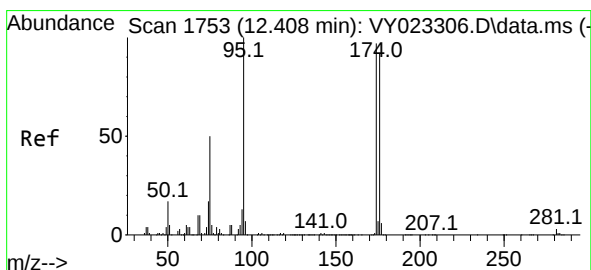
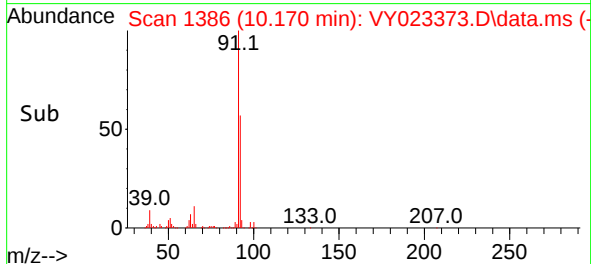
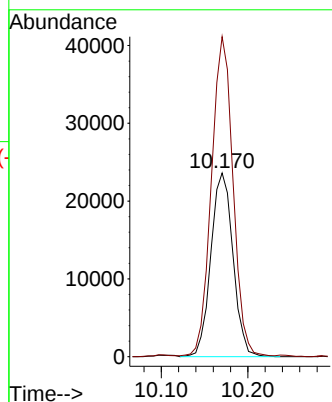
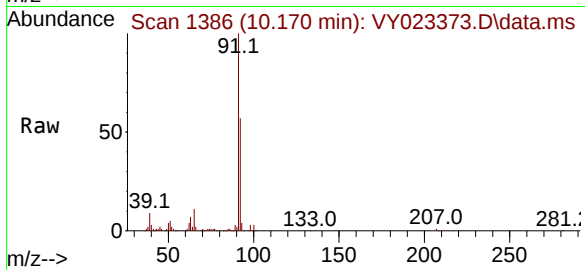
SBF1

Tgt Ion: 92 Resp: 41835

Ion Ratio Lower Upper

92 100

91 169.0 136.4 204.6



#62

4-Bromofluorobenzene

Concen: 55.887 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023373.D

Acq: 25 Sep 2025 14:56

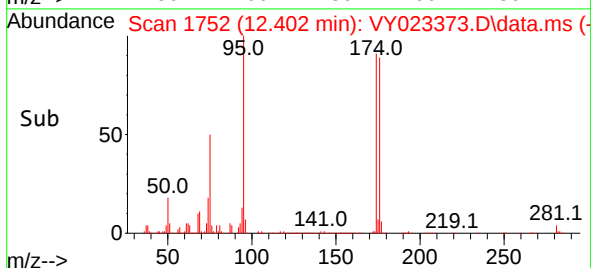
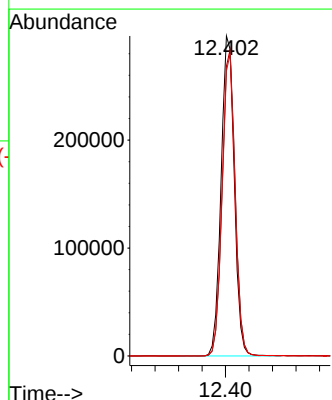
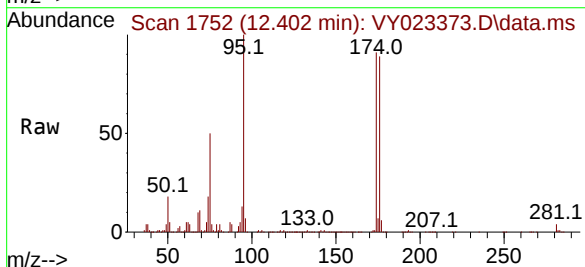
Tgt Ion: 95 Resp: 462048

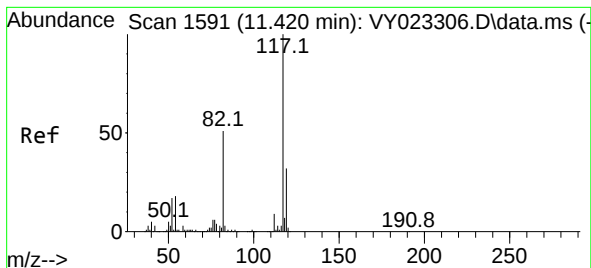
Ion Ratio Lower Upper

95 100

174 94.3 0.0 171.6

176 92.5 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: VY023373.D

Acq: 25 Sep 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

SBF1

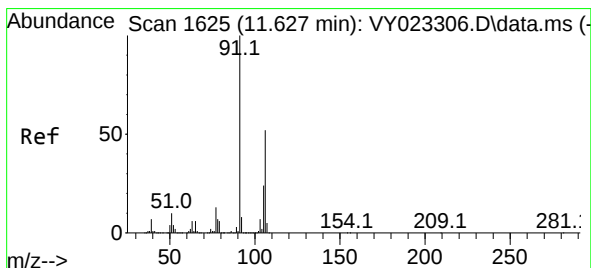
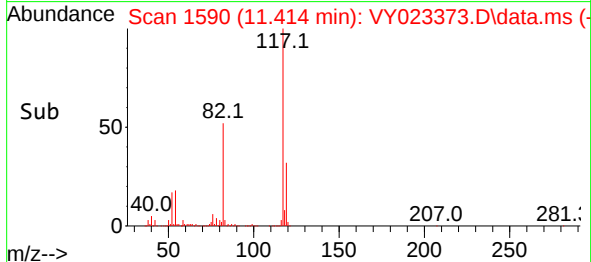
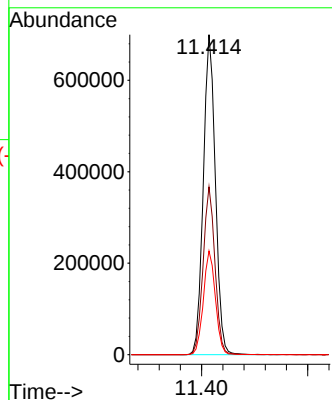
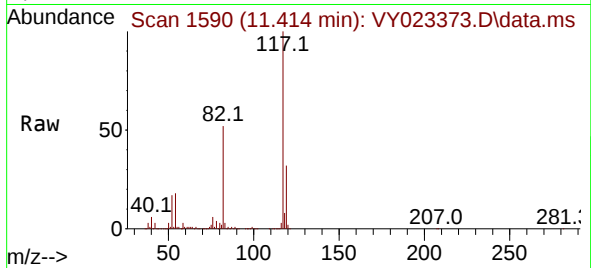
Tgt Ion:117 Resp: 1103007

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 32.4 25.6 38.4



#68

m/p-Xylenes

Concen: 1.508 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023373.D

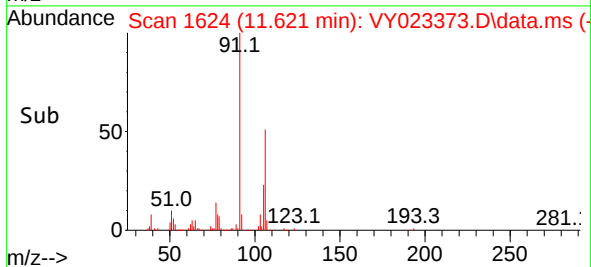
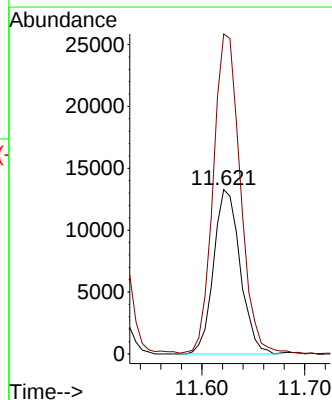
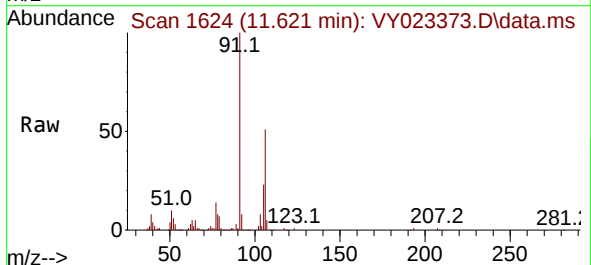
Acq: 25 Sep 2025 14:56

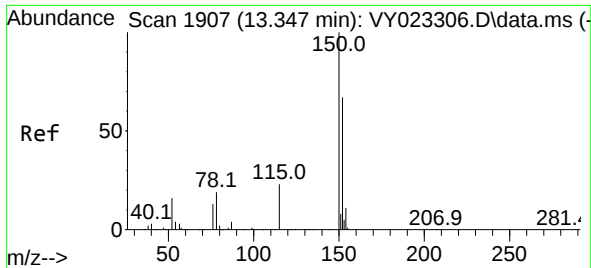
Tgt Ion:106 Resp: 23834

Ion Ratio Lower Upper

106 100

91 198.9 158.6 238.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023373.D
 Acq: 25 Sep 2025 14:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 SBF1

Tgt Ion:152 Resp: 505673
 Ion Ratio Lower Upper
 152 100
 115 54.9 28.2 84.6
 150 157.8 0.0 348.0

