

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023936.D
 Acq On : 10 Dec 2025 13:36
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 11 04:02:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

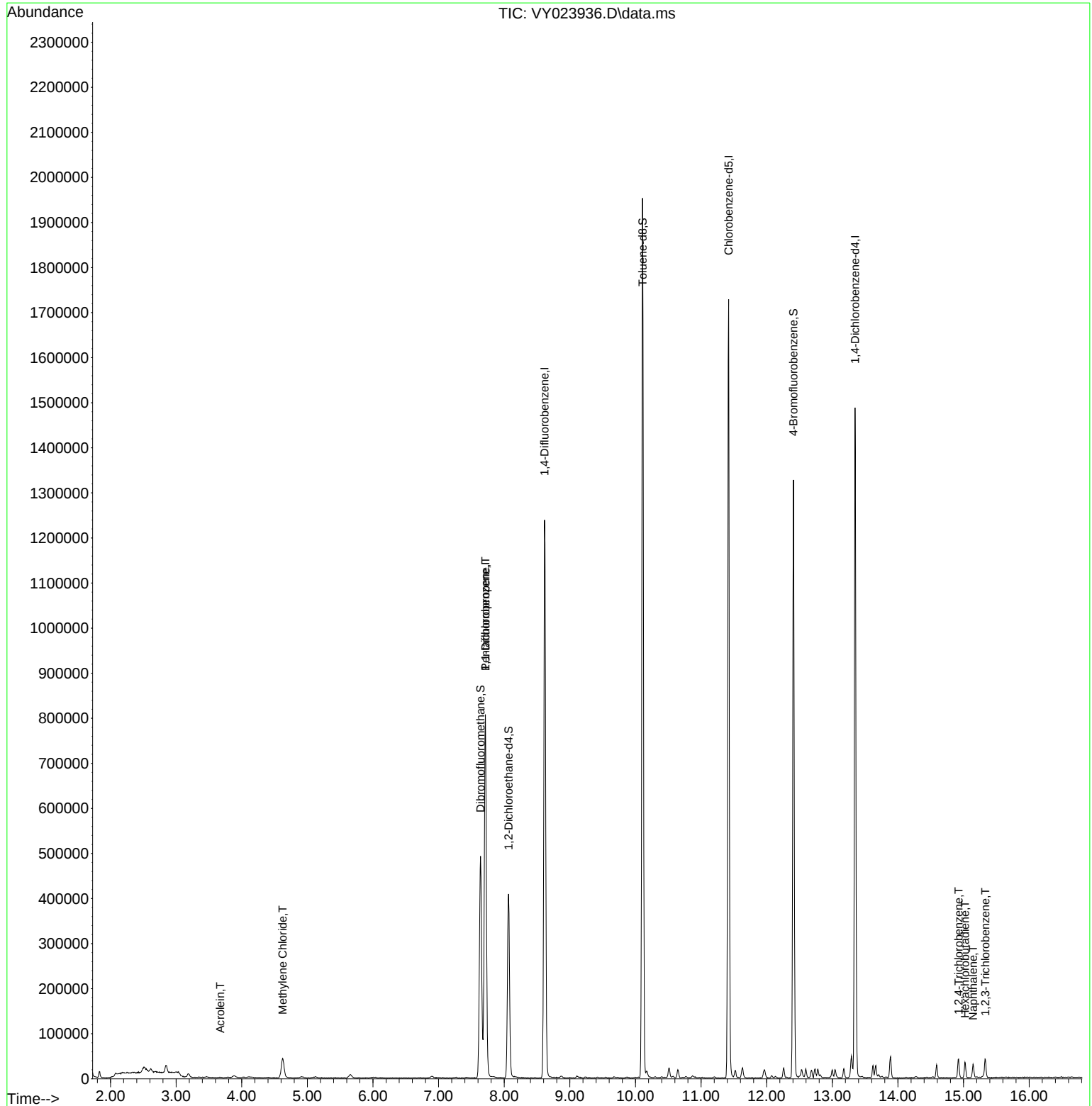
Internal Standards						
1) Pentafluorobenzene	7.713	168	664333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1110415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	951105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	400296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	326977	55.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.340%
35) Dibromofluoromethane	7.640	113	352018	48.497	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.000%
50) Toluene-d8	10.109	98	1266349	46.859	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.720%
62) 4-Bromofluorobenzene	12.407	95	380336	42.142	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.280%
Target Compounds						
					Qvalue	
13) Acrolein	3.671	56	729	1.340	ug/l	87
20) Methylene Chloride	4.622	84	33627	4.866	ug/l	98
36) 1,1-Dichloropropene	7.713	75	42340	4.285	ug/l #	49
93) 1,2,4-Trichlorobenzene	14.925	180	13068	1.821	ug/l	95
94) Hexachlorobutadiene	15.023	225	6247	1.328	ug/l	98
95) Naphthalene	15.145	128	25920	2.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	13845	2.267	ug/l	98

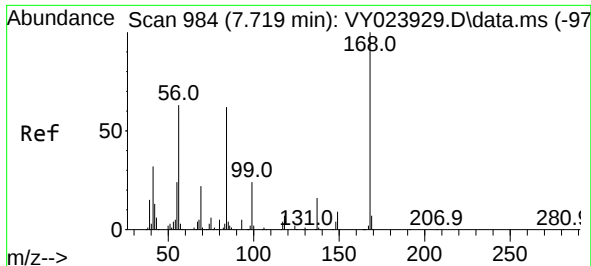
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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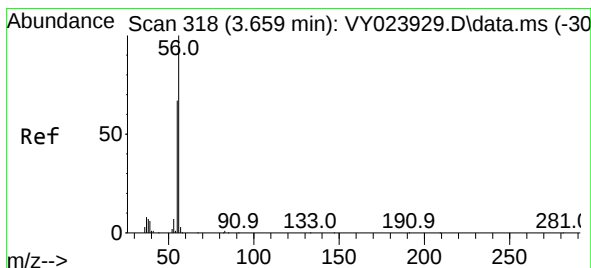
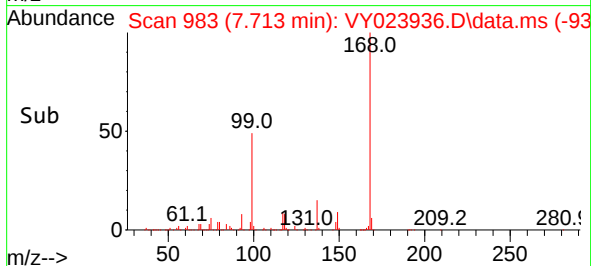
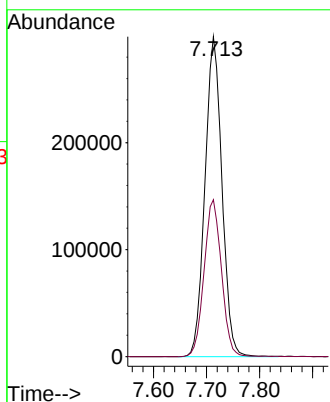
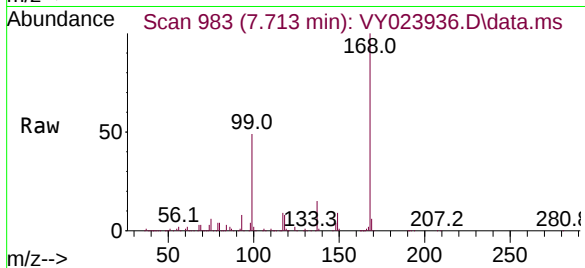




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

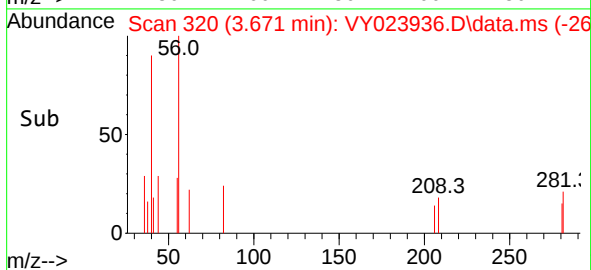
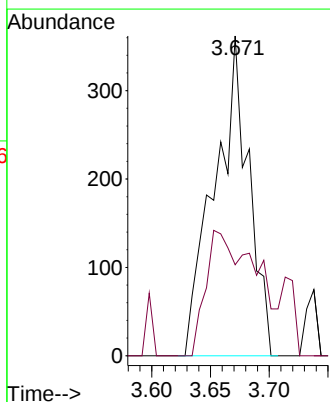
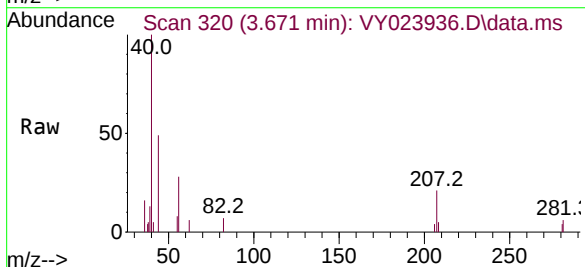
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

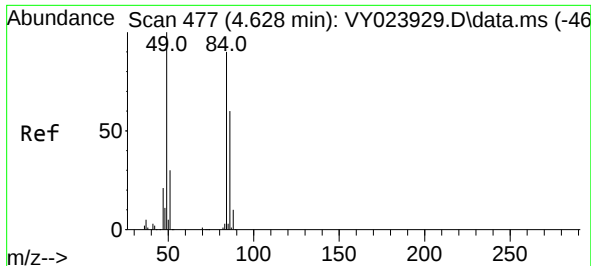
Tgt Ion:168 Resp: 664333
Ion Ratio Lower Upper
168 100
99 49.0 38.9 58.3



#13
Acrolein
Concen: 1.340 ug/l
RT: 3.671 min Scan# 320
Delta R.T. 0.012 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

Tgt Ion: 56 Resp: 729
Ion Ratio Lower Upper
56 100
55 58.7 55.7 83.5

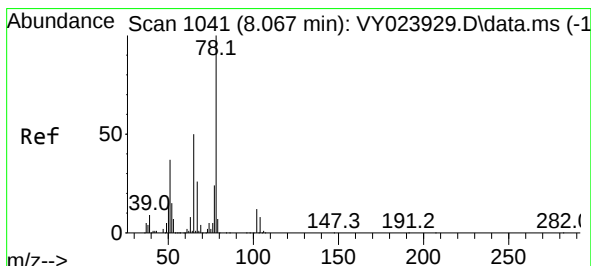
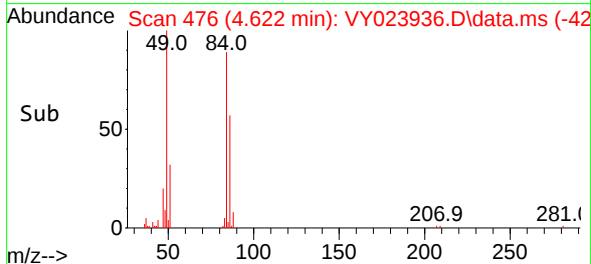
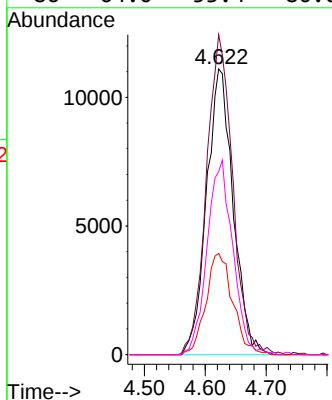
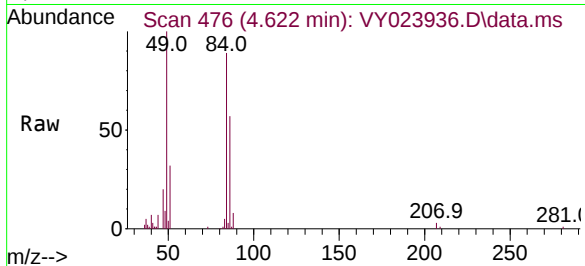




#20
Methylene Chloride
Concen: 4.866 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

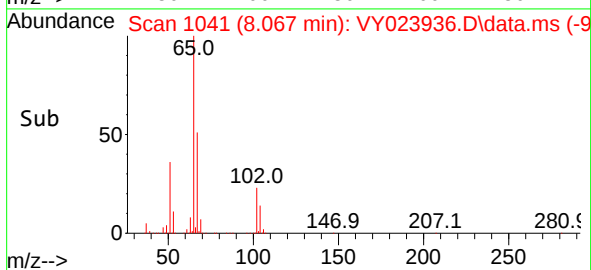
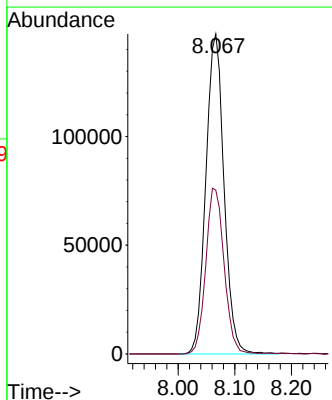
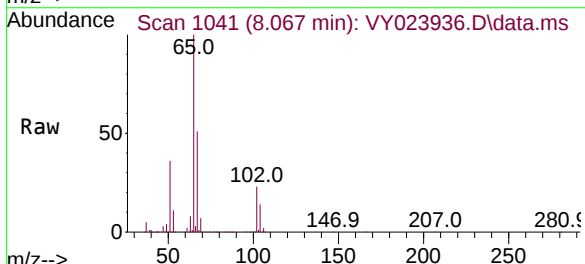
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

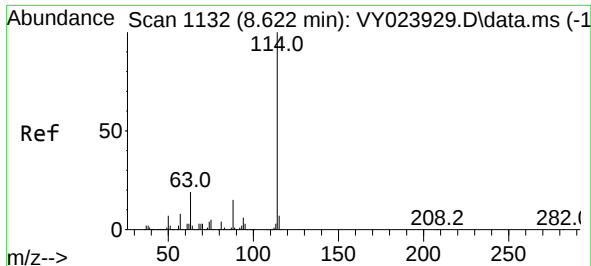
Tgt Ion:	84	Resp:	33627
Ion	Ratio	Lower	Upper
84	100		
49	112.0	89.1	133.7
51	35.4	26.6	39.8
86	64.0	53.4	80.0



#33
1,2-Dichloroethane-d4
Concen: 55.668 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

Tgt Ion:	65	Resp:	326977
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2

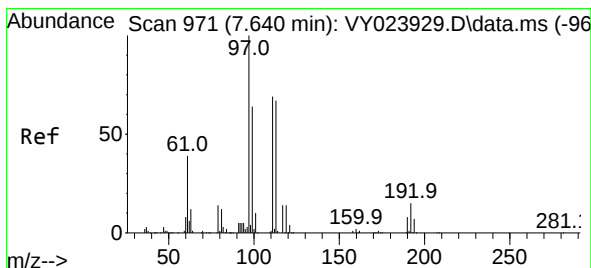
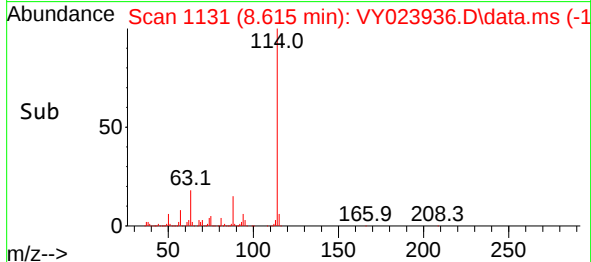
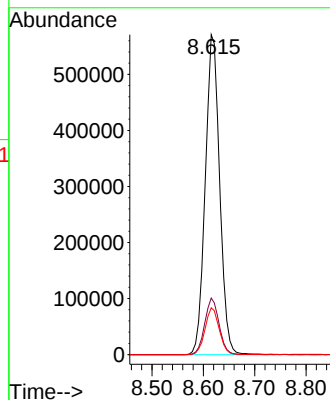
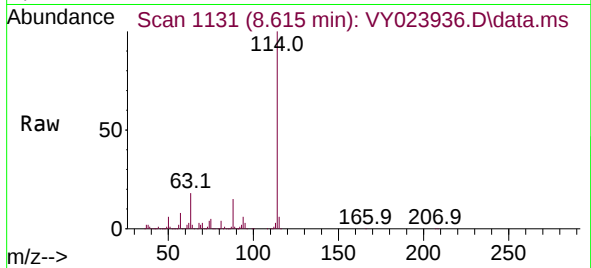




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

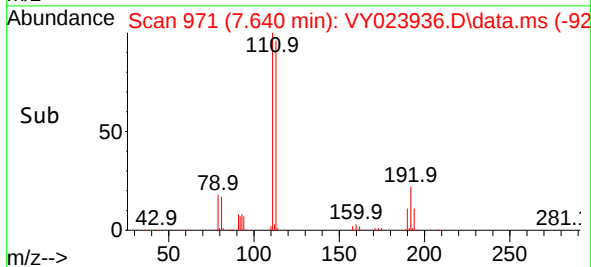
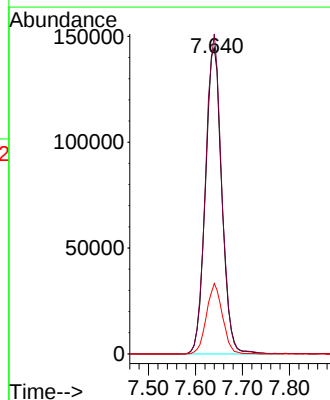
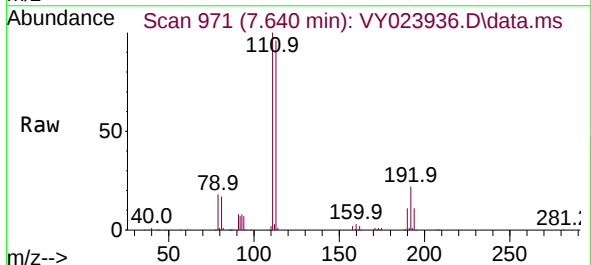
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

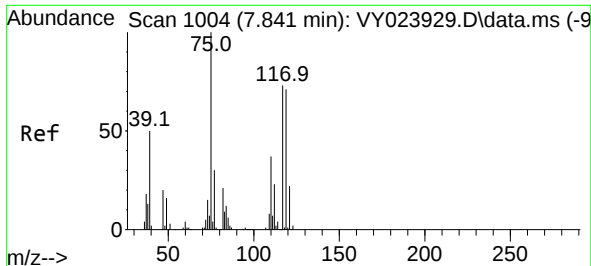
Tgt Ion:114 Resp: 1110415
Ion Ratio Lower Upper
114 100
63 17.7 0.0 37.2
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.497 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

Tgt Ion:113 Resp: 352018
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 22.4 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.285 ug/l

RT: 7.713 min Scan# 98

Delta R.T. -0.128 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

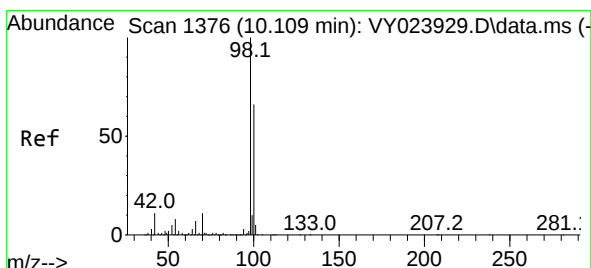
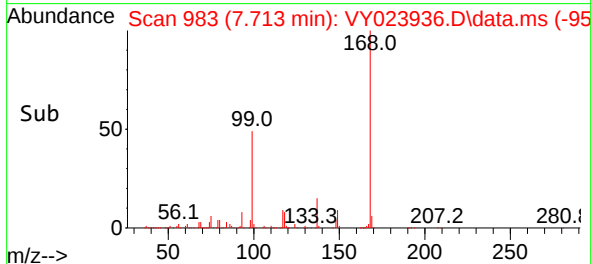
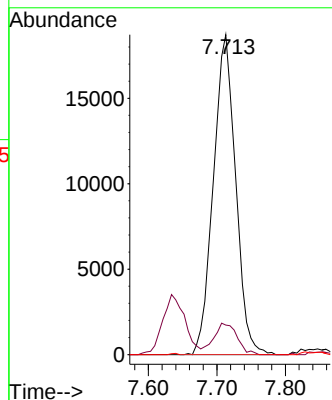
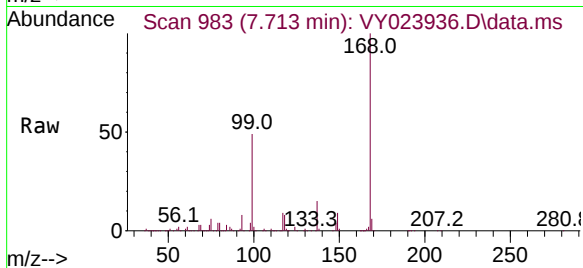
Tgt Ion: 75 Resp: 42340

Ion Ratio Lower Upper

75 100

110 10.3 19.2 57.6#

77 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 46.859 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY023936.D

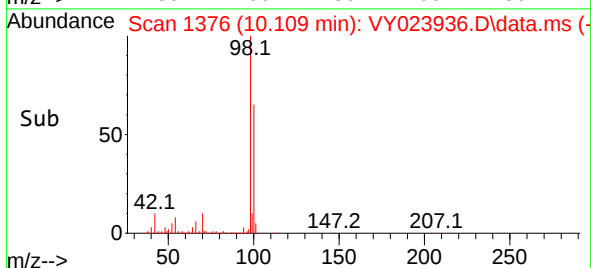
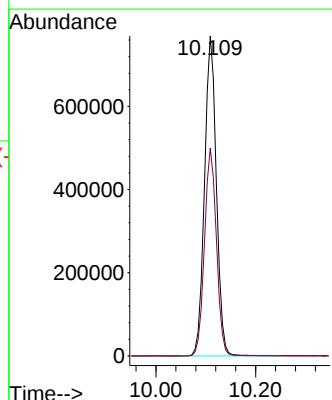
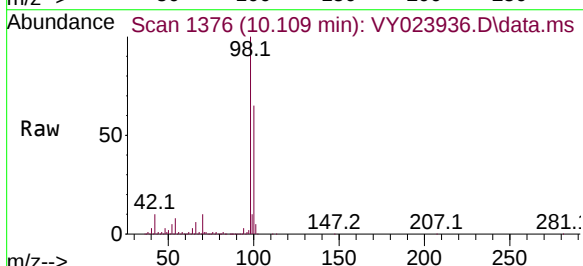
Acq: 10 Dec 2025 13:36

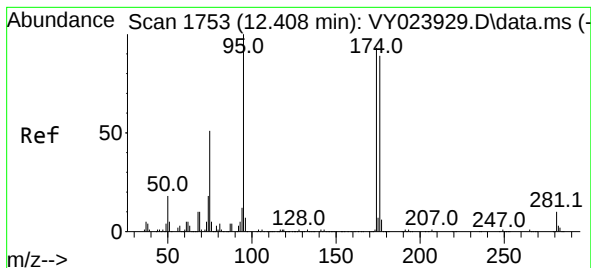
Tgt Ion: 98 Resp: 1266349

Ion Ratio Lower Upper

98 100

100 65.5 52.8 79.2

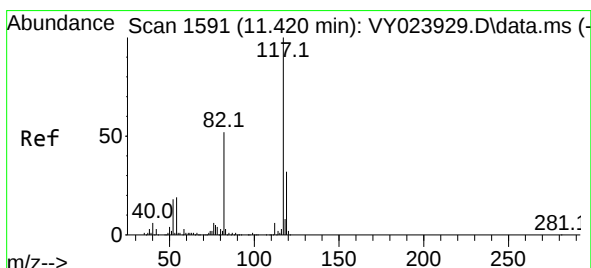
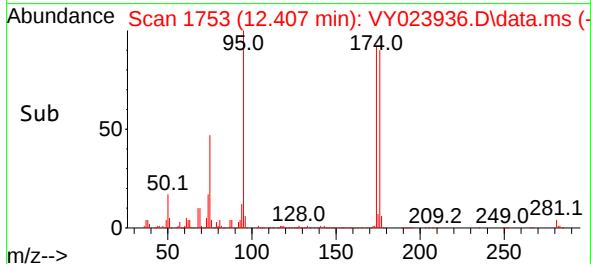
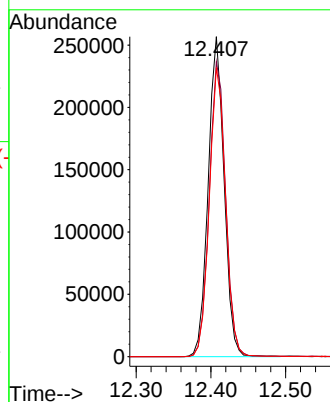
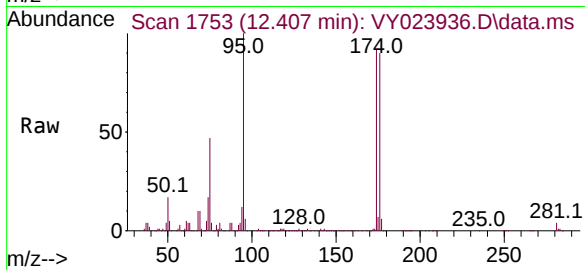




#62
4-Bromofluorobenzene
Concen: 42.142 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

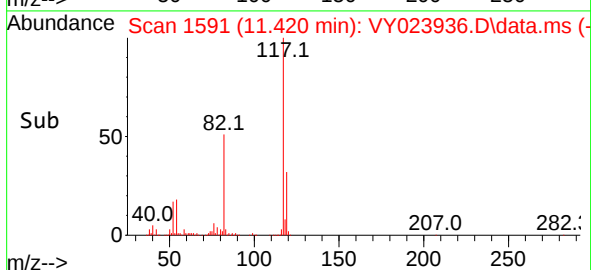
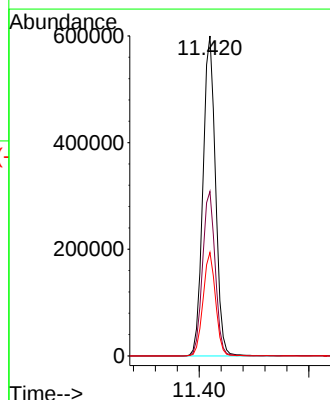
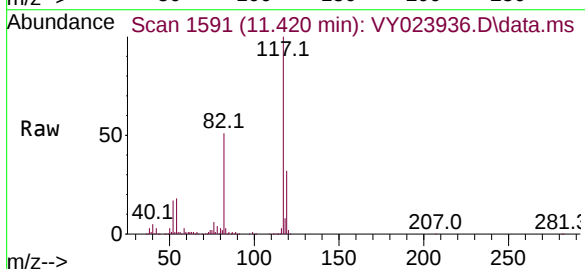
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

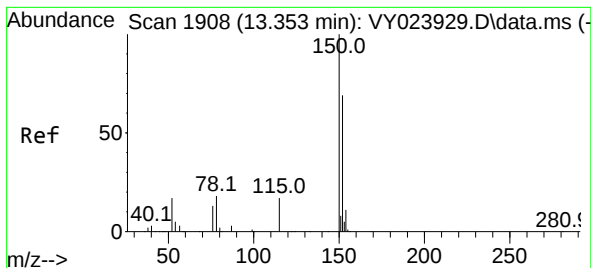
Tgt Ion: 95 Resp: 380336
Ion Ratio Lower Upper
95 100
174 94.8 0.0 187.4
176 92.1 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

Tgt Ion: 117 Resp: 951105
Ion Ratio Lower Upper
117 100
82 51.4 41.4 62.2
119 32.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.007 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

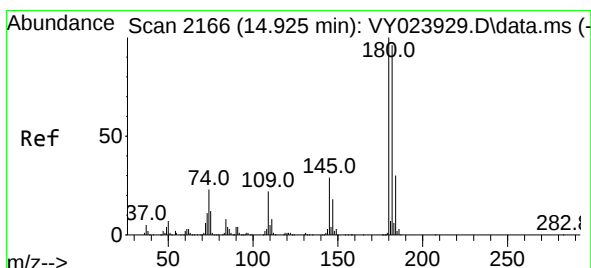
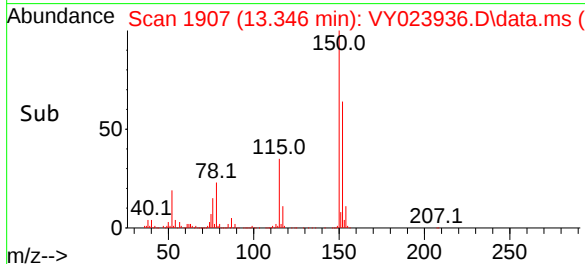
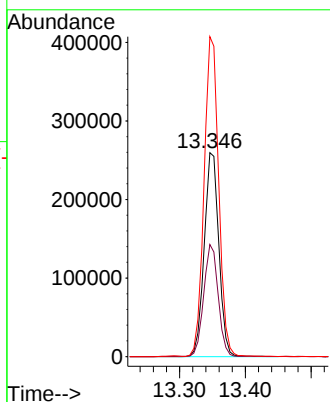
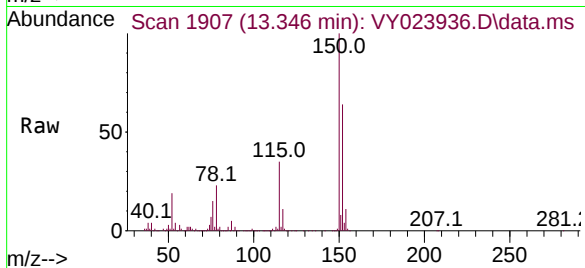
Tgt Ion:152 Resp: 400296

Ion Ratio Lower Upper

152 100

115 54.1 27.3 81.9

150 156.6 0.0 347.6



#93

1,2,4-Trichlorobenzene

Concen: 1.821 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

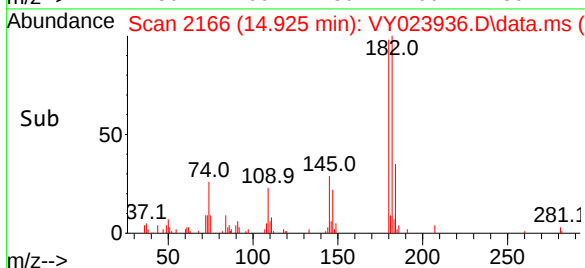
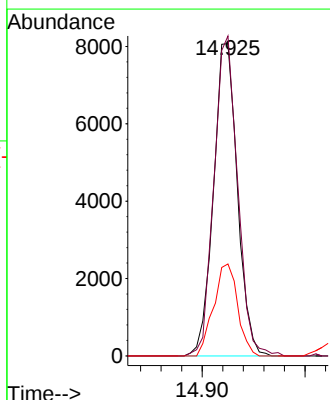
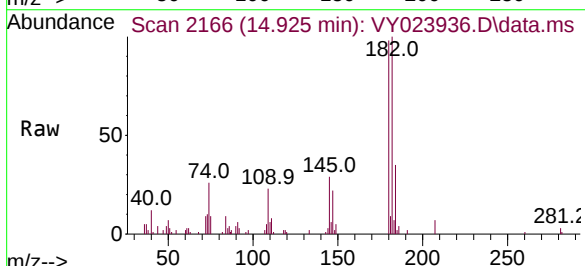
Tgt Ion:180 Resp: 13068

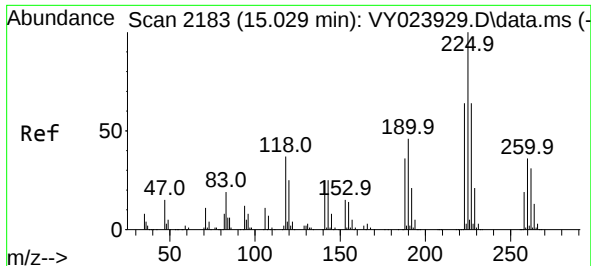
Ion Ratio Lower Upper

180 100

182 101.0 47.6 142.9

145 29.5 14.8 44.4

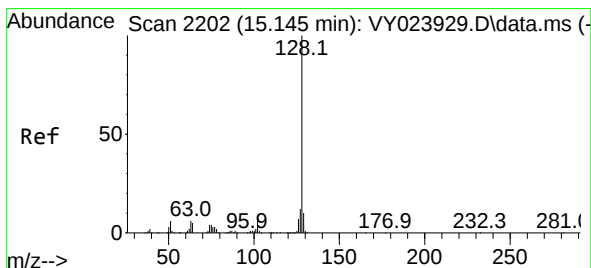
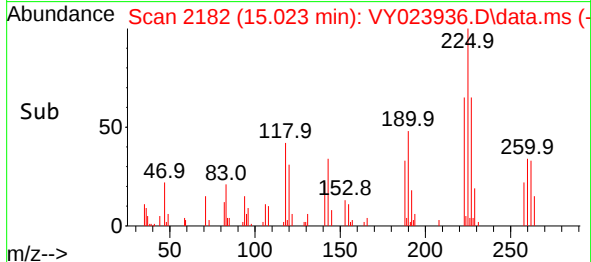
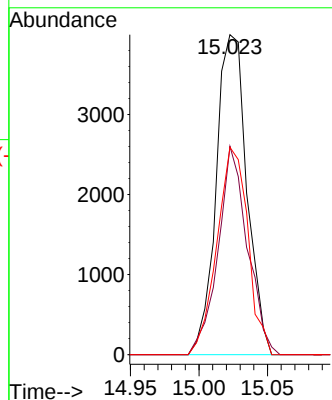
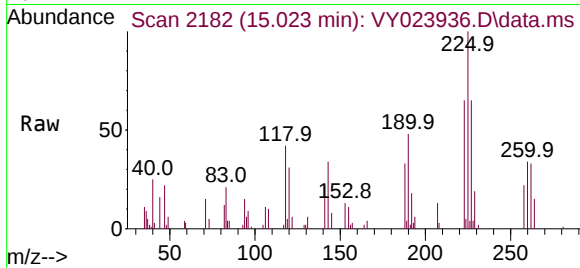




#94
Hexachlorobutadiene
Concen: 1.328 ug/l
RT: 15.023 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

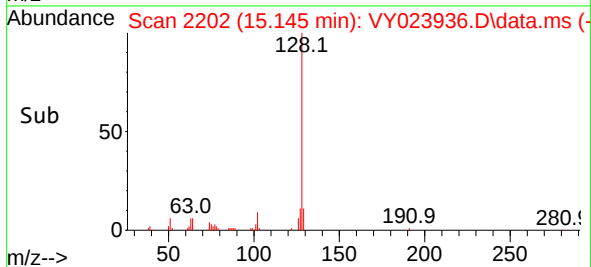
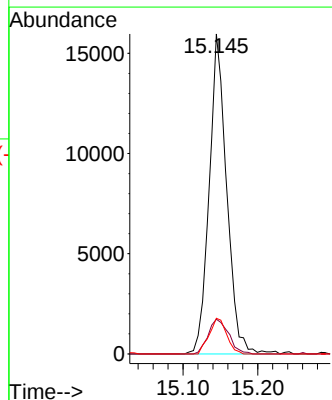
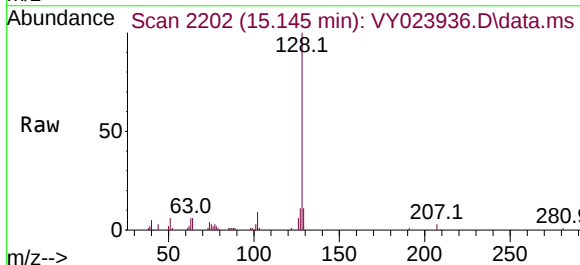
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

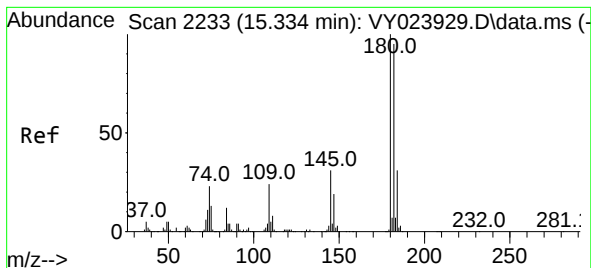
Tgt Ion:225 Resp: 6247
Ion Ratio Lower Upper
225 100
223 62.1 31.6 95.0
227 65.3 31.7 95.1



#95
Naphthalene
Concen: 2.335 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023936.D
Acq: 10 Dec 2025 13:36

Tgt Ion:128 Resp: 25920
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.1 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.267 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY023936.D
 Acq: 10 Dec 2025 13:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:	180	Resp:	13845
Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.8	143.4
145	31.7	15.6	46.8

