

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023932.D
 Acq On : 10 Dec 2025 11:16
 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 04:02:16 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)

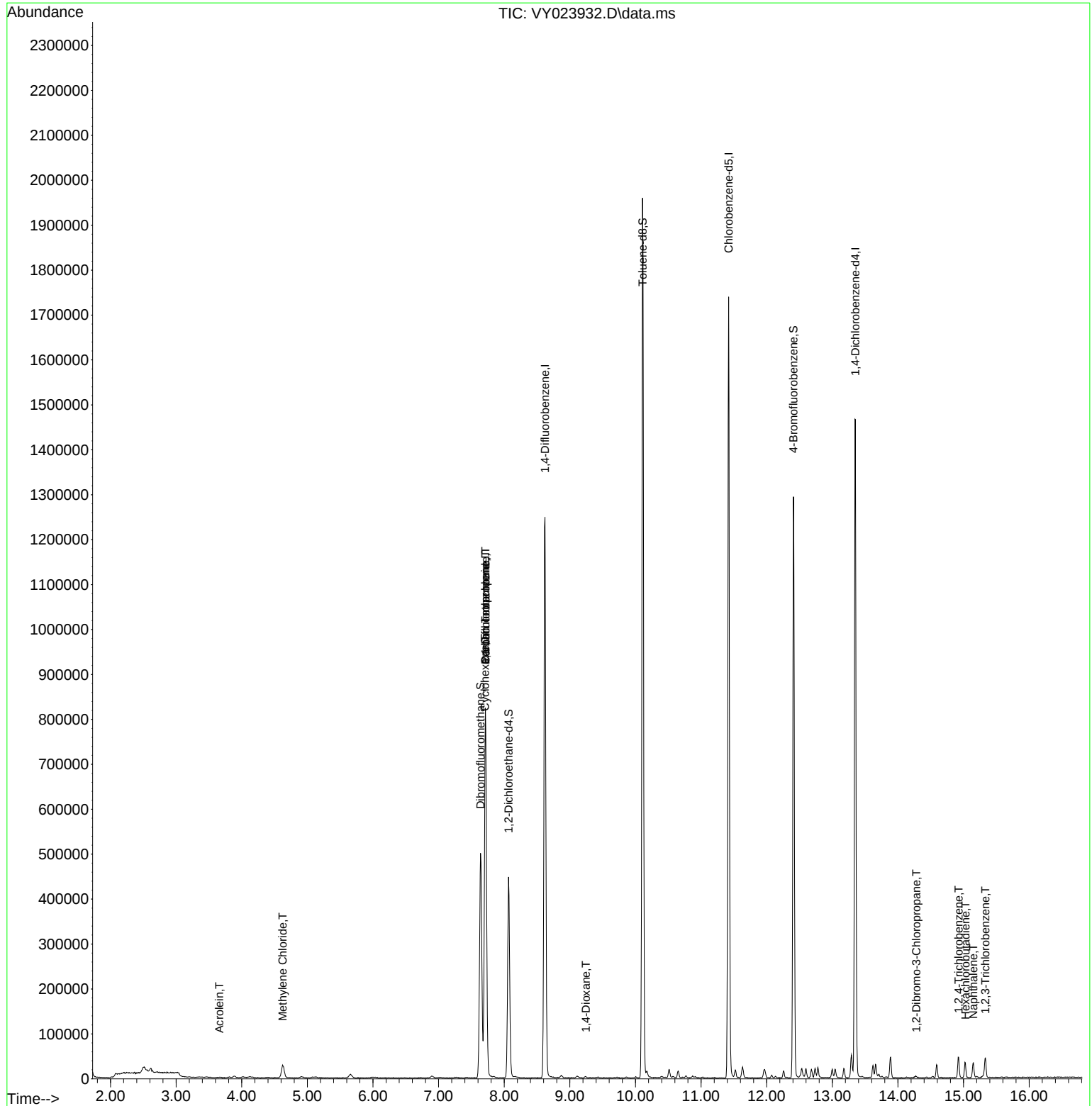
Internal Standards						
1) Pentafluorobenzene	7.713	168	682393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1135453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	973245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	407419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	341513	56.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.200%
35) Dibromofluoromethane	7.640	113	364180	49.066	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.140%
50) Toluene-d8	10.109	98	1289596	46.667	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.340%
62) 4-Bromofluorobenzene	12.407	95	388327	42.079	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.160%
Target Compounds						
					Qvalue	
13) Acrolein	3.659	56	774	1.385	ug/l #	74
20) Methylene Chloride	4.622	84	21991	3.098	ug/l	94
31) Cyclohexane	7.707	56	11778	1.138	ug/l #	12
36) 1,1-Dichloropropene	7.713	75	44935	4.447	ug/l #	49
38) Carbon Tetrachloride	7.713	117	61185	4.995	ug/l #	16
49) 1,4-Dioxane	9.243	88	141	3.093	ug/l #	59
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1008	1.436	ug/l	68
93) 1,2,4-Trichlorobenzene	14.925	180	15114	2.069	ug/l	99
94) Hexachlorobutadiene	15.029	225	6245	1.304	ug/l	99
95) Naphthalene	15.151	128	29494	2.611	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	14918	2.400	ug/l	97

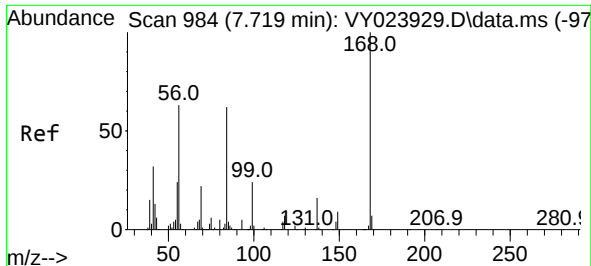
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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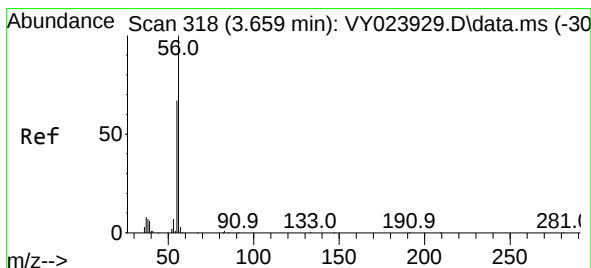
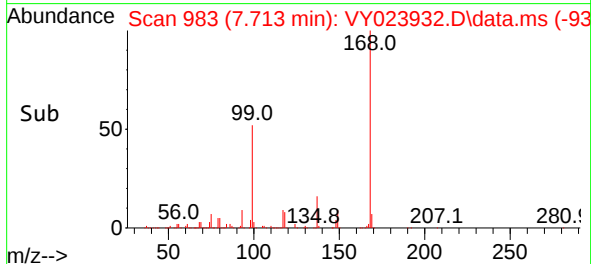
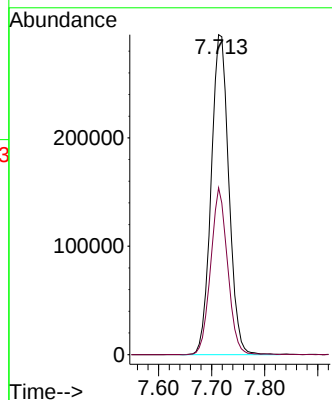
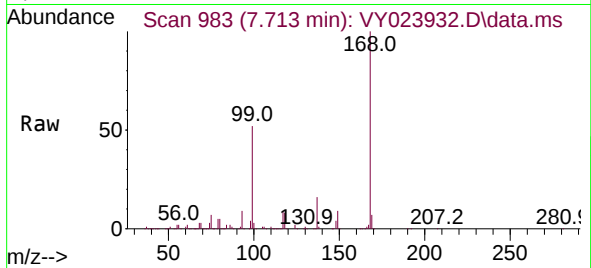




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023932.D
Acq: 10 Dec 2025 11:16

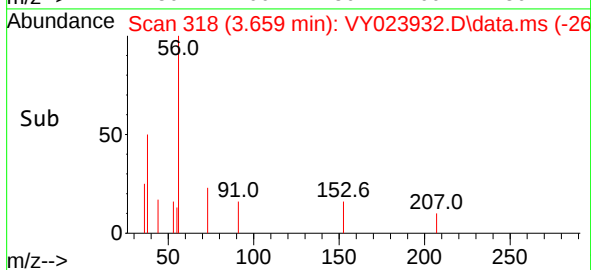
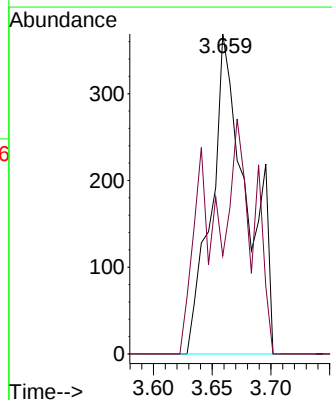
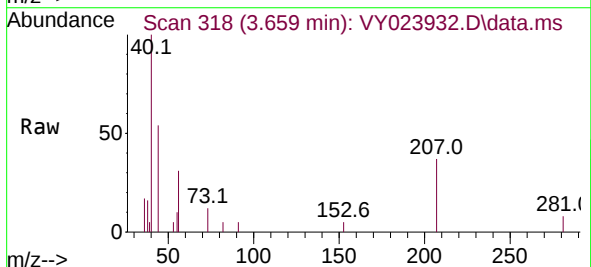
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

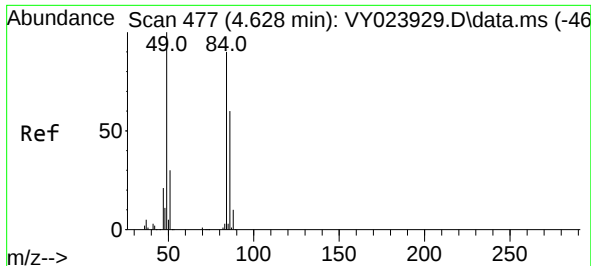
Tgt Ion:168 Resp: 682393
Ion Ratio Lower Upper
168 100
99 52.1 38.9 58.3



#13
Acrolein
Concen: 1.385 ug/l
RT: 3.659 min Scan# 318
Delta R.T. -0.000 min
Lab File: VY023932.D
Acq: 10 Dec 2025 11:16

Tgt Ion: 56 Resp: 774
Ion Ratio Lower Upper
56 100
55 48.7 55.7 83.5#

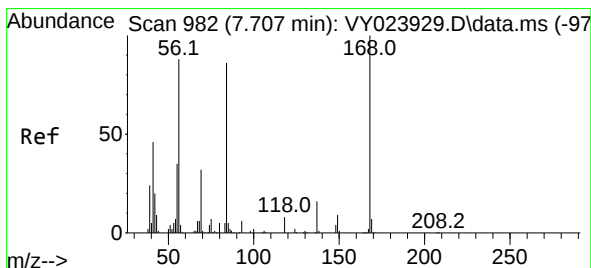
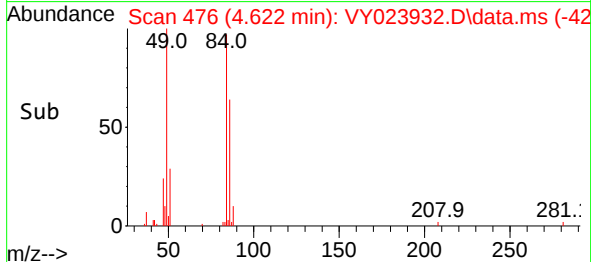
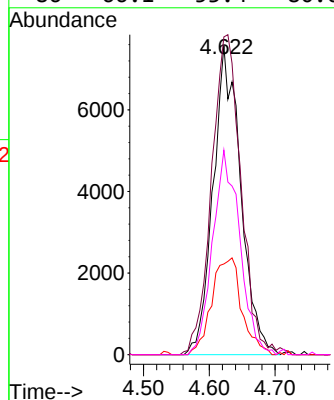
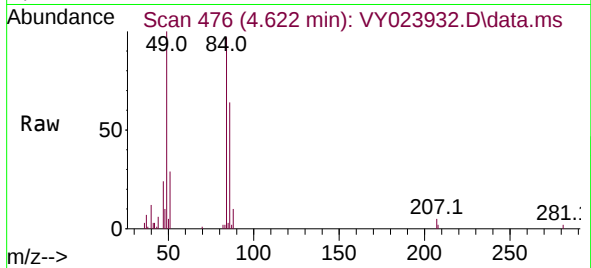




#20
Methylene Chloride
Concen: 3.098 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY023932.D
Acq: 10 Dec 2025 11:16

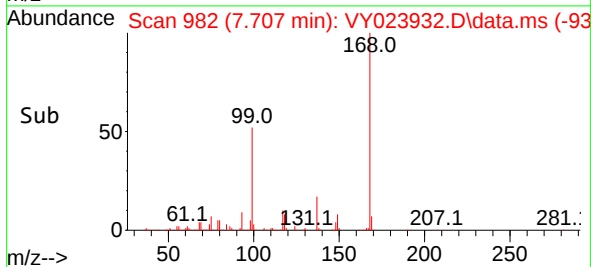
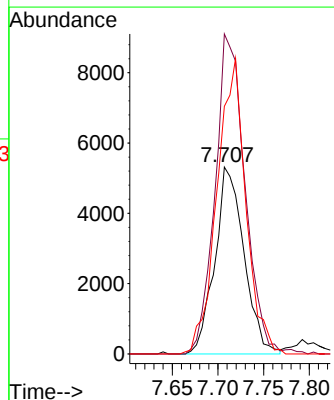
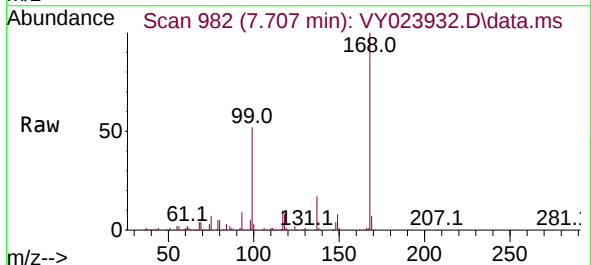
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

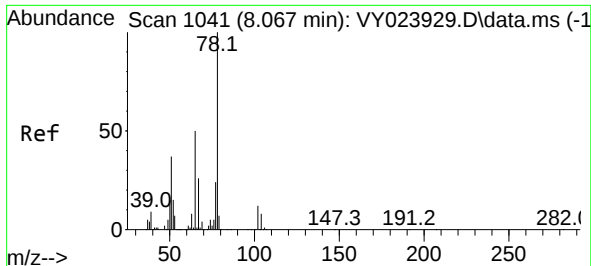
Tgt Ion:	84	Resp:	21991
Ion	Ratio	Lower	Upper
84	100		
49	102.8	89.1	133.7
51	29.4	26.6	39.8
86	66.1	53.4	80.0



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY023932.D
Acq: 10 Dec 2025 11:16

Tgt Ion:	56	Resp:	11778
Ion	Ratio	Lower	Upper
56	100		
69	171.4	29.1	43.7#
84	132.6	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 56.604 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

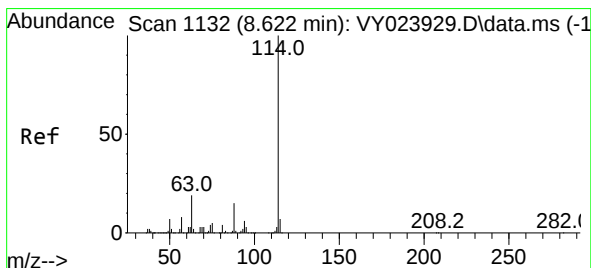
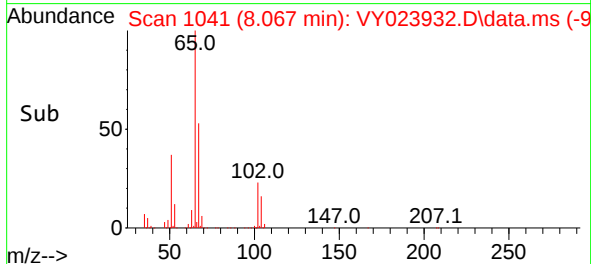
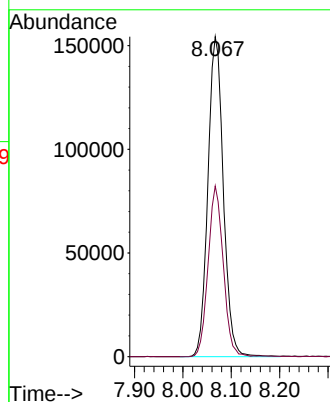
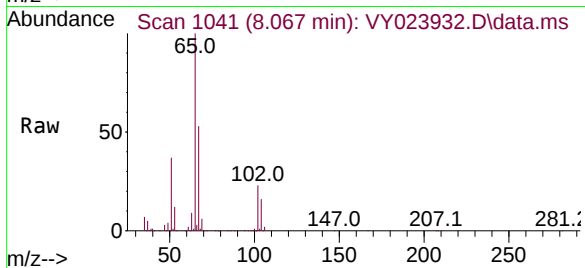
VIBLK

Tgt Ion: 65 Resp: 341513

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

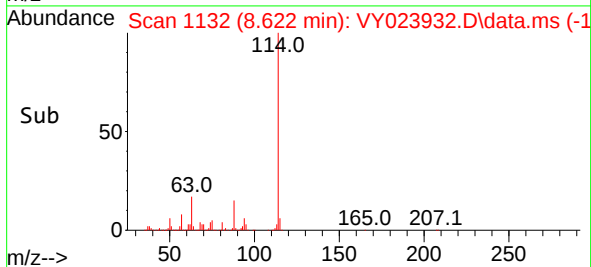
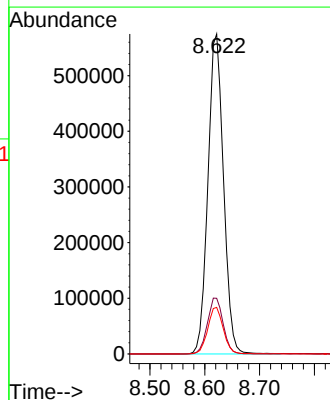
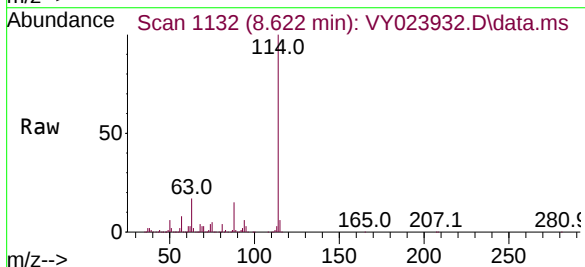
Tgt Ion: 114 Resp: 1135453

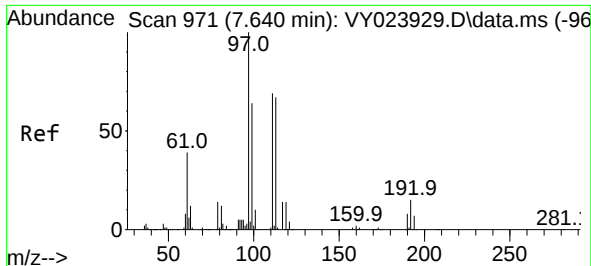
Ion Ratio Lower Upper

114 100

63 17.4 0.0 37.2

88 14.5 0.0 29.4

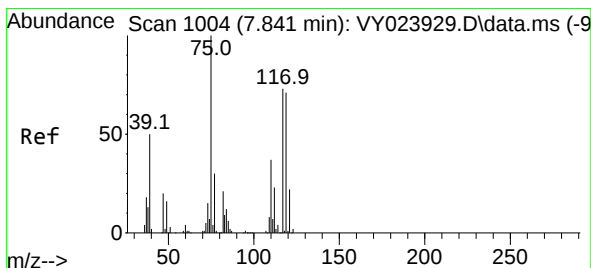
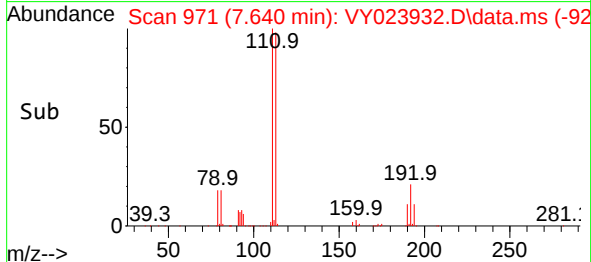
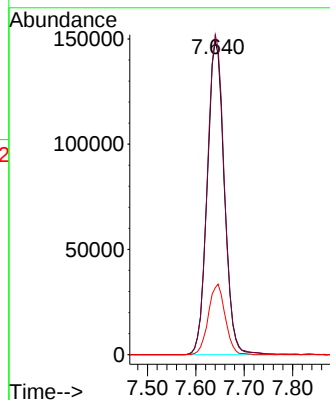
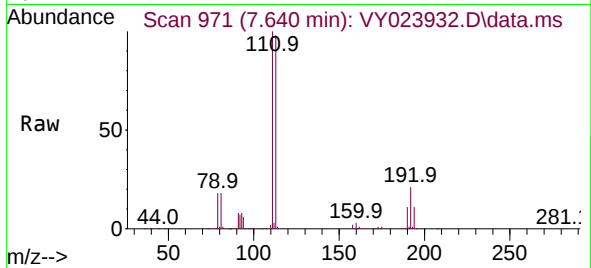




#35
Dibromofluoromethane
Concen: 49.066 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023932.D
Acq: 10 Dec 2025 11:16

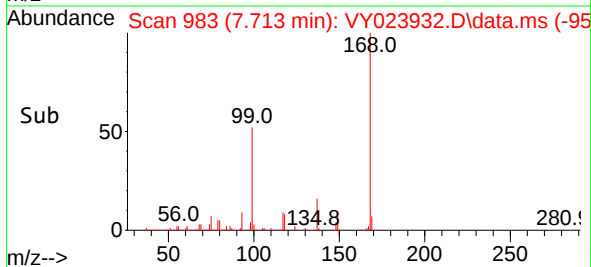
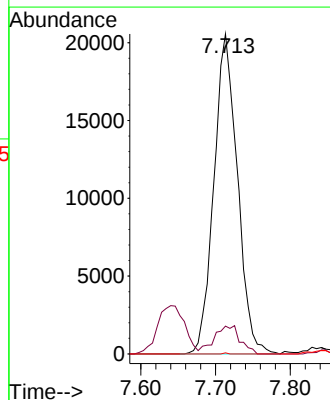
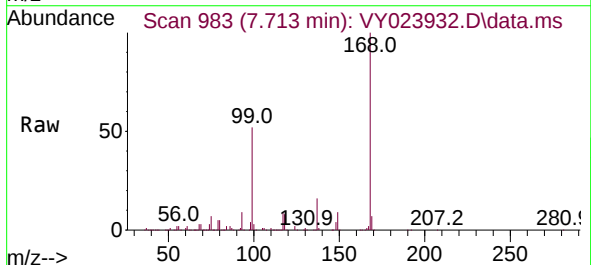
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

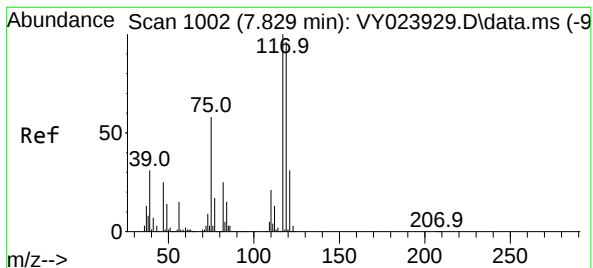
Tgt Ion:113 Resp: 364180
Ion Ratio Lower Upper
113 100
111 101.7 82.4 123.6
192 22.2 17.9 26.9



#36
1,1-Dichloropropene
Concen: 4.447 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY023932.D
Acq: 10 Dec 2025 11:16

Tgt Ion: 75 Resp: 44935
Ion Ratio Lower Upper
75 100
110 9.7 19.2 57.6#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.995 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

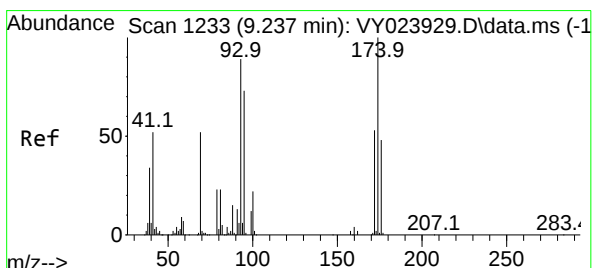
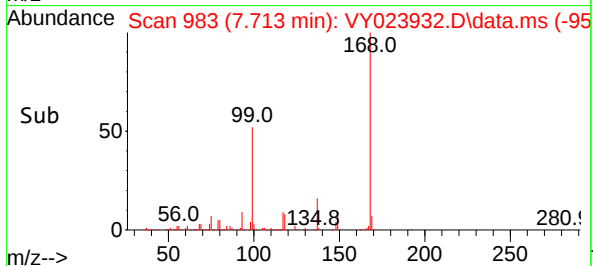
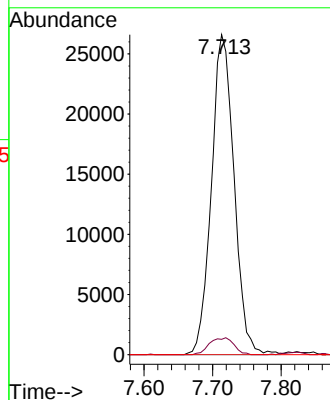
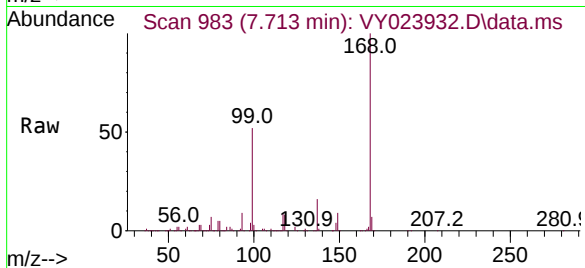
Tgt Ion:117 Resp: 61185

Ion Ratio Lower Upper

117 100

119 4.8 76.6 114.8#

121 0.0 24.8 37.2#



#49

1,4-Dioxane

Concen: 3.093 ug/l

RT: 9.243 min Scan# 1234

Delta R.T. 0.006 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

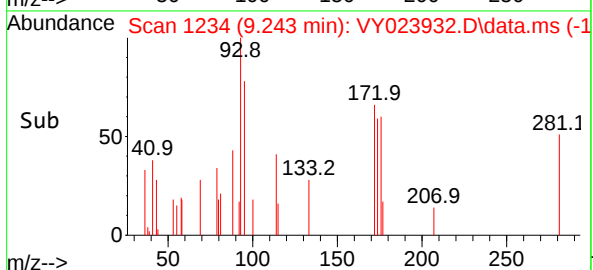
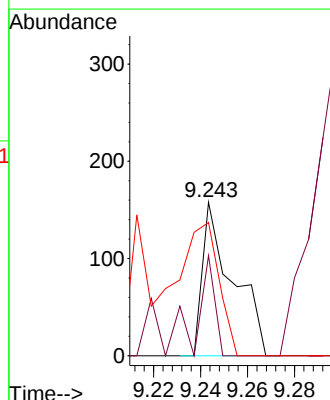
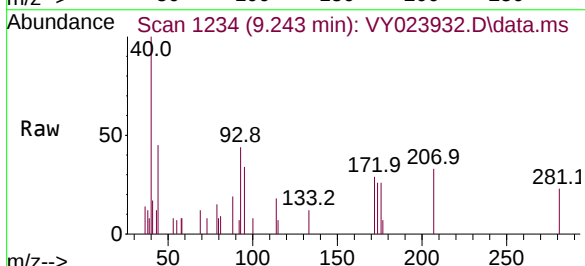
Tgt Ion: 88 Resp: 141

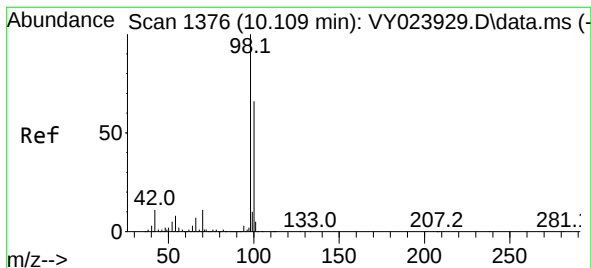
Ion Ratio Lower Upper

88 100

43 39.7 22.3 33.5#

58 104.3 52.3 78.5#

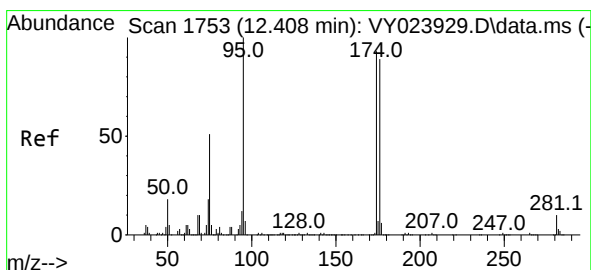
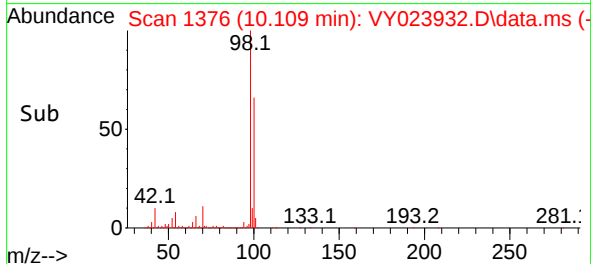
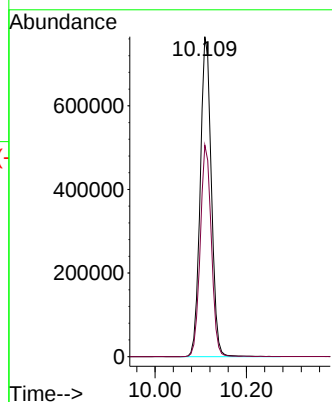
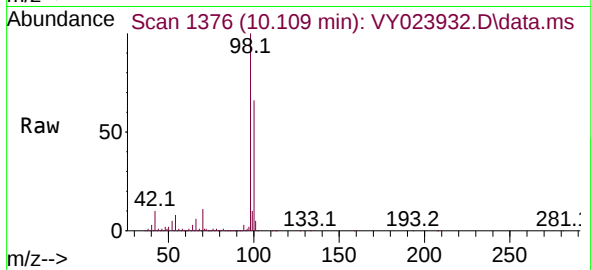




#50
Toluene-d8
Concen: 46.667 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023932.D
Acq: 10 Dec 2025 11:16

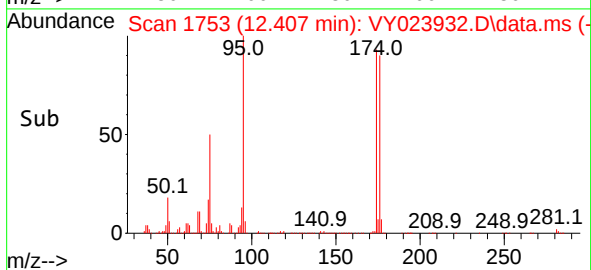
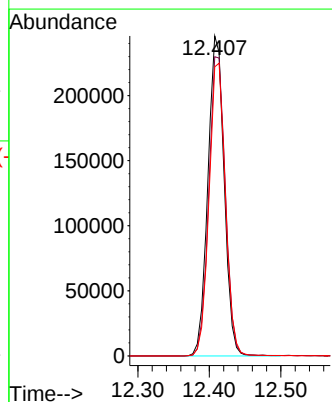
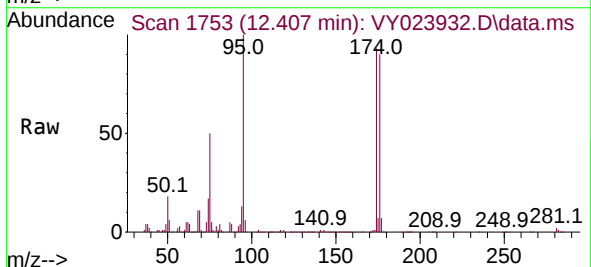
Instrument :
MSVOA_Y
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VIBLK

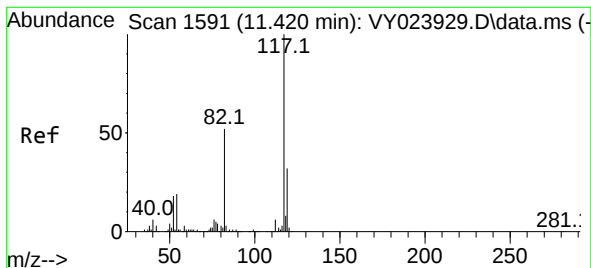
Tgt Ion: 98 Resp: 1289596
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 42.079 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023932.D
Acq: 10 Dec 2025 11:16

Tgt Ion: 95 Resp: 388327
Ion Ratio Lower Upper
95 100
174 95.5 0.0 187.4
176 92.2 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

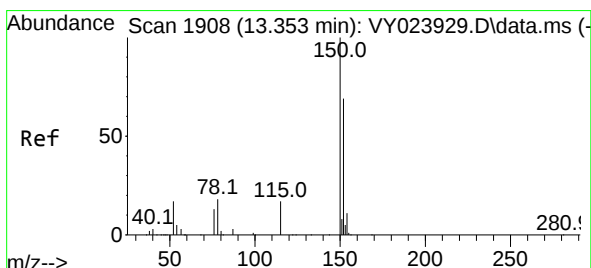
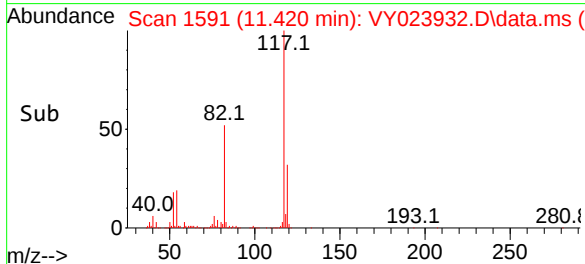
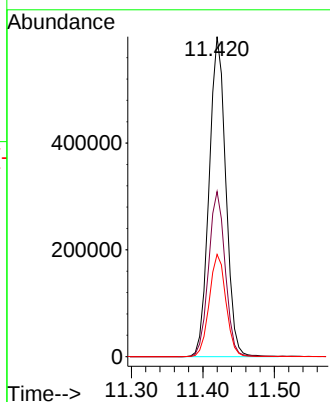
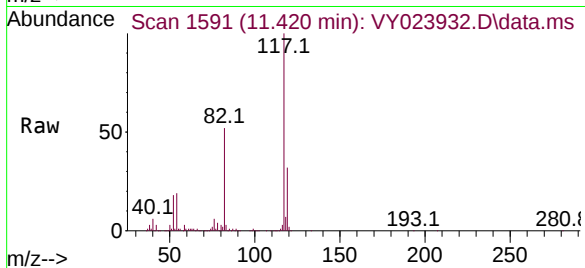
Tgt Ion:117 Resp: 973245

Ion Ratio Lower Upper

117 100

82 51.6 41.4 62.2

119 31.9 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

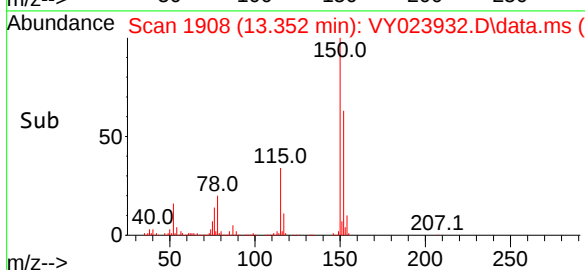
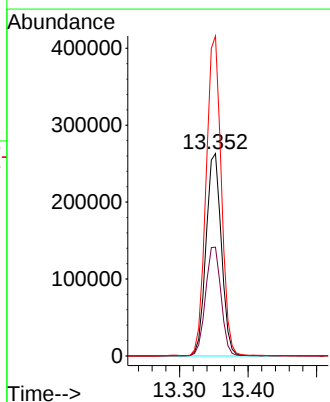
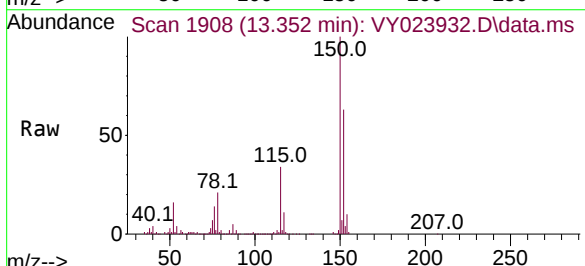
Tgt Ion:152 Resp: 407419

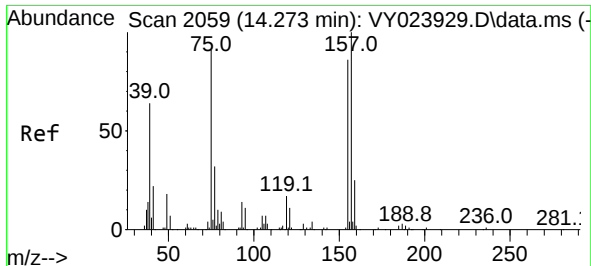
Ion Ratio Lower Upper

152 100

115 54.5 27.3 81.9

150 156.3 0.0 347.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.436 ug/l

RT: 14.279 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

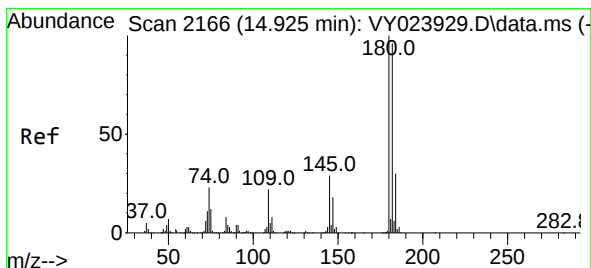
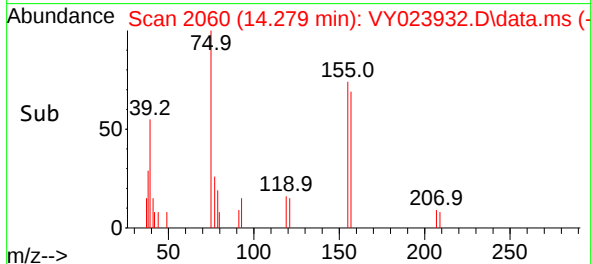
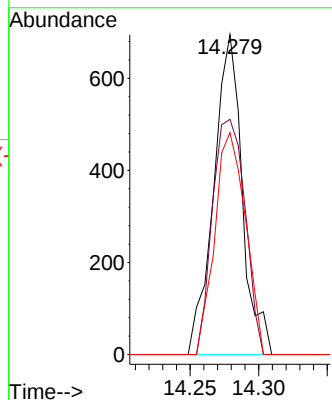
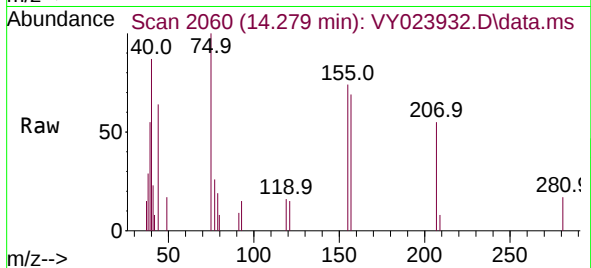
Tgt Ion: 75 Resp: 1008

Ion Ratio Lower Upper

75 100

155 83.7 50.2 150.7

157 74.6 62.8 188.5



#93

1,2,4-Trichlorobenzene

Concen: 2.069 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

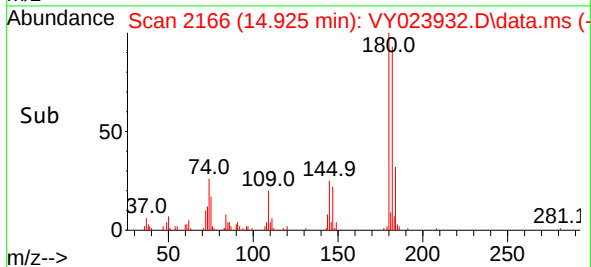
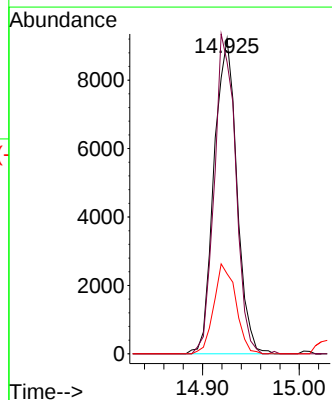
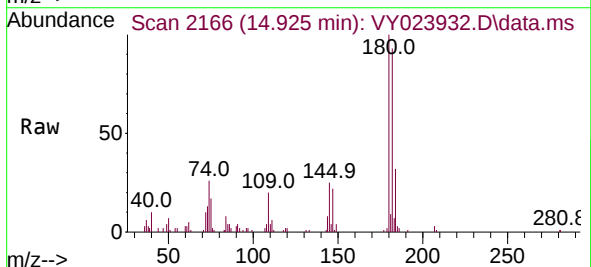
Tgt Ion:180 Resp: 15114

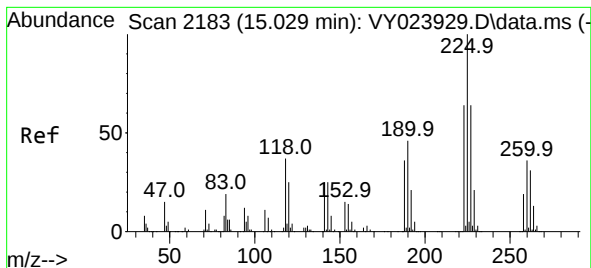
Ion Ratio Lower Upper

180 100

182 94.8 47.6 142.9

145 27.5 14.8 44.4





#94

Hexachlorobutadiene

Concen: 1.304 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. -0.000 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

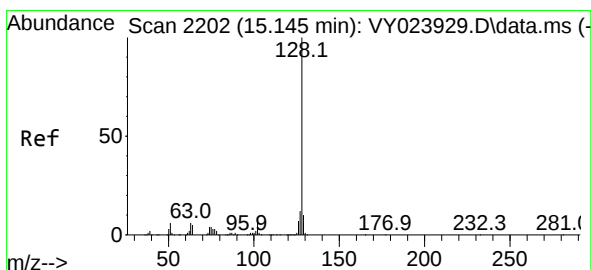
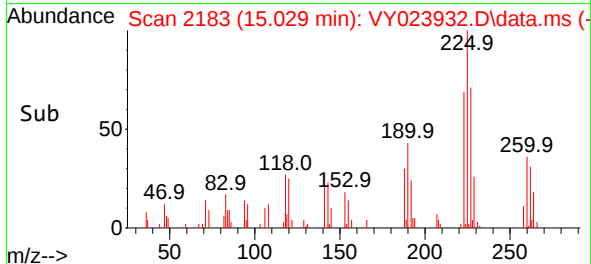
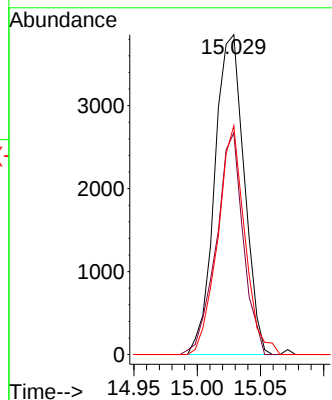
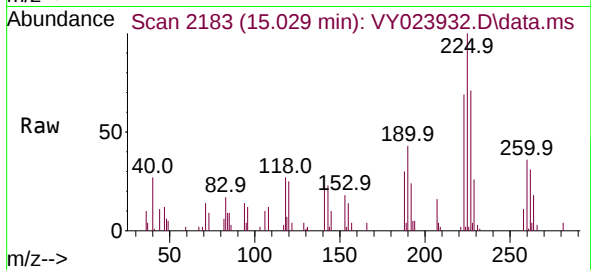
Tgt Ion:225 Resp: 6245

Ion Ratio Lower Upper

225 100

223 63.3 31.6 95.0

227 65.6 31.7 95.1



#95

Naphthalene

Concen: 2.611 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY023932.D

Acq: 10 Dec 2025 11:16

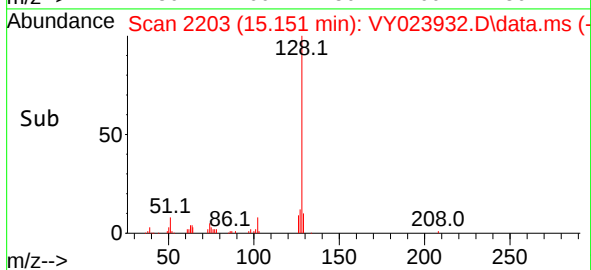
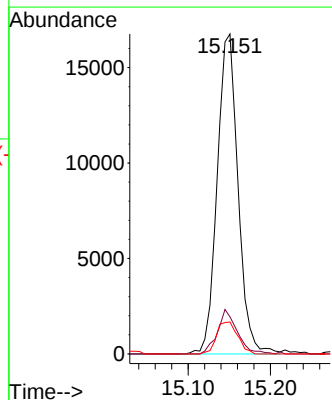
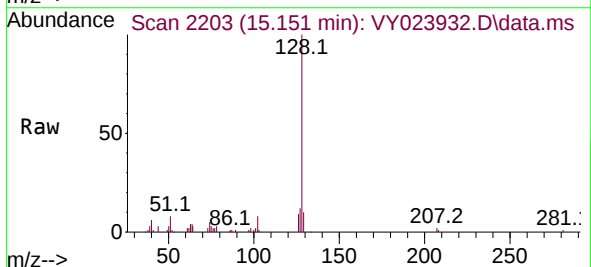
Tgt Ion:128 Resp: 29494

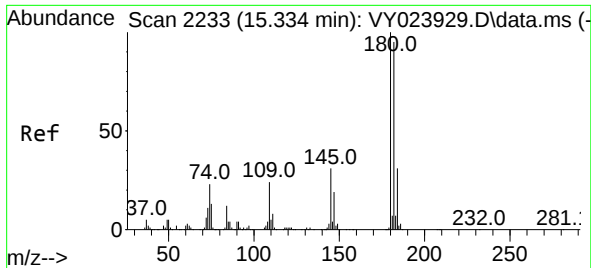
Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 10.2 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.400 ug/l
 RT: 15.334 min Scan# 2233
 Delta R.T. -0.000 min
 Lab File: VY023932.D
 Acq: 10 Dec 2025 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:	180	Resp:	14918
Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.8	143.4
145	28.3	15.6	46.8

