

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022663.D
 Acq On : 11 Jun 2025 14:45
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 12 05:08:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

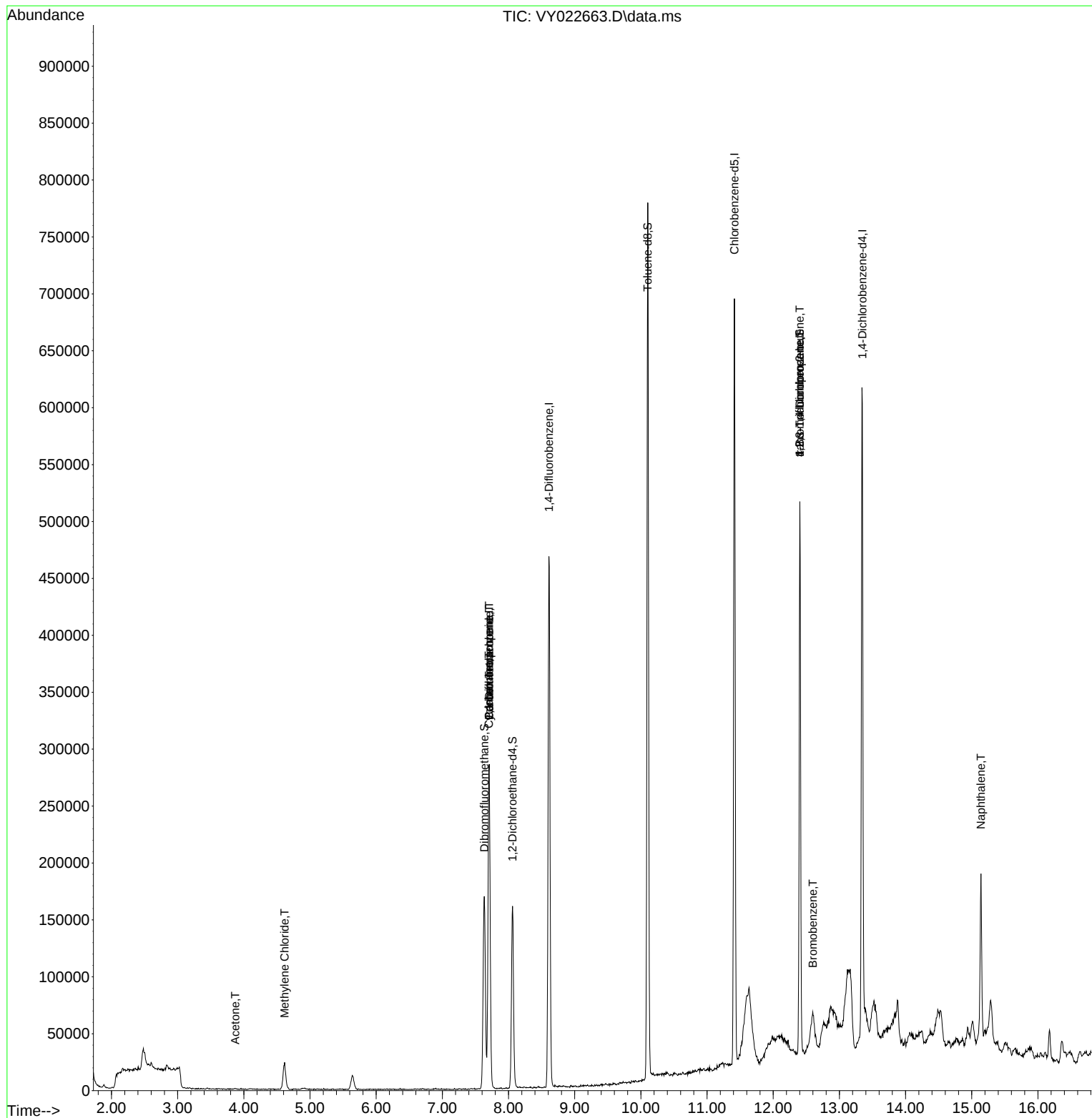
Internal Standards						
1) Pentafluorobenzene	7.707	168	213011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	392635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	326970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	131452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116936	49.083	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.160%
35) Dibromofluoromethane	7.634	113	116665	49.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.103	98	474296	50.087	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.402	95	127728	45.271	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.540%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1060	2.191	ug/l #	83
20) Methylene Chloride	4.616	84	15050	5.476	ug/l	91
31) Cyclohexane	7.701	56	6196	1.353	ug/l #	47
36) 1,1-Dichloropropene	7.707	75	19260	5.064	ug/l #	52
38) Carbon Tetrachloride	7.707	117	21957	5.627	ug/l #	15
76) 1,2,3-Trichloropropane	12.402	75	74075	49.257	ug/l #	100
77) Bromobenzene	12.597	156	32749	14.380	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.402	75	74075	118.952	ug/l #	11
95) Naphthalene	15.139	128	97056	23.671	ug/l	98

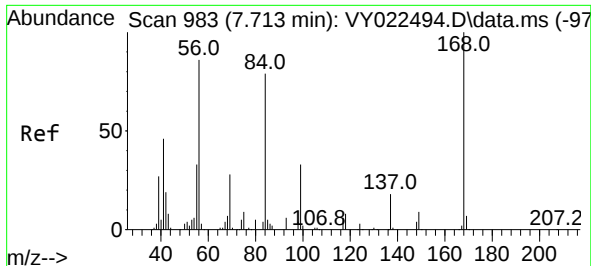
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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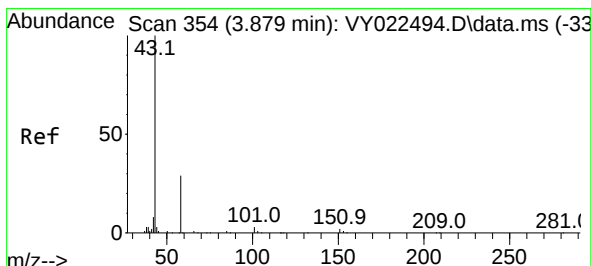
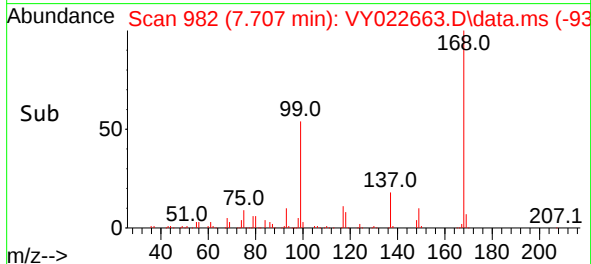
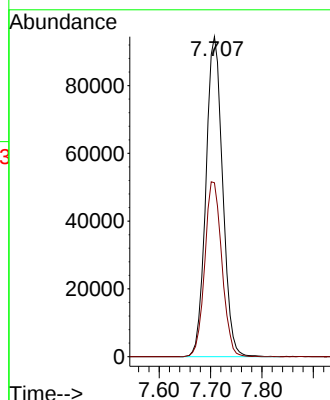
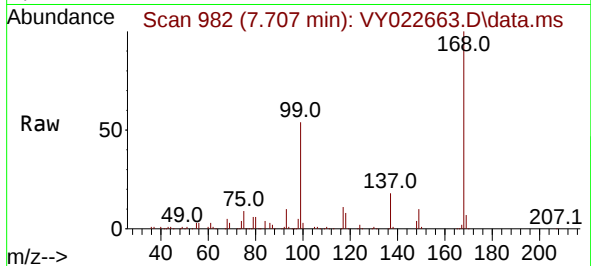




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

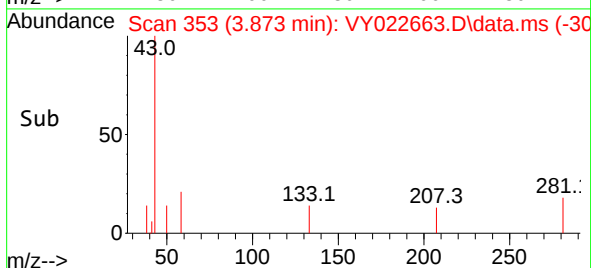
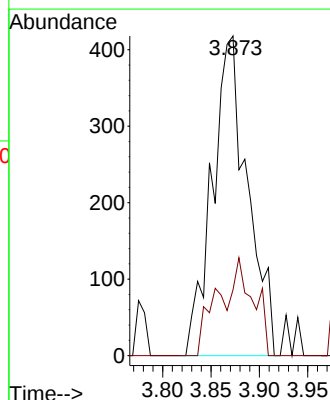
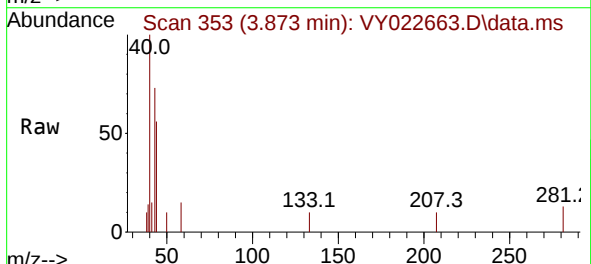
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

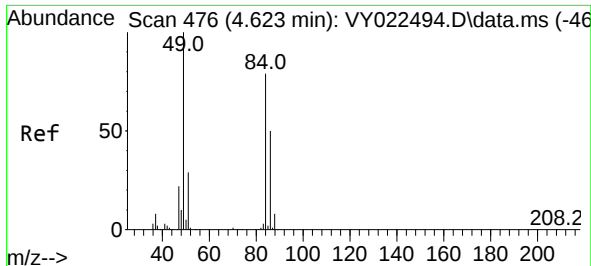
Tgt Ion:168 Resp: 213011
Ion Ratio Lower Upper
168 100
99 54.4 44.3 66.5



#16
Acetone
Concen: 2.191 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
58 20.6 24.0 36.0#

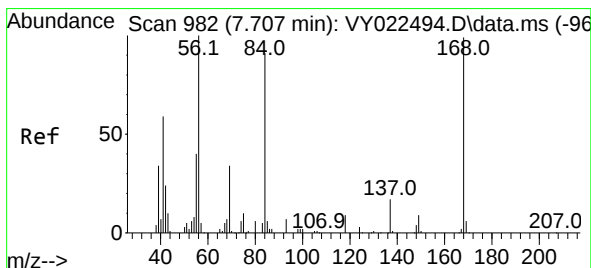
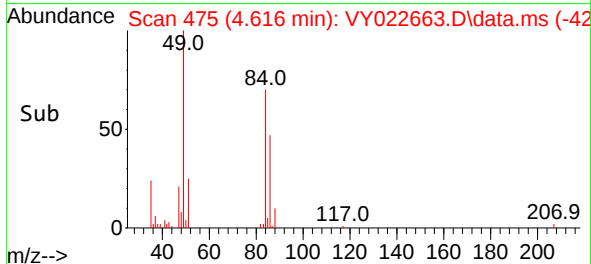
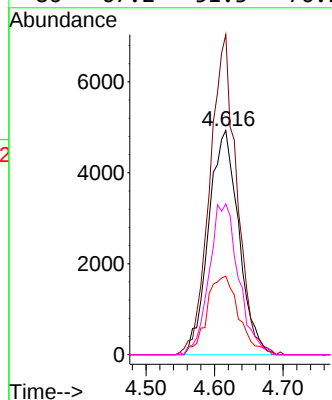
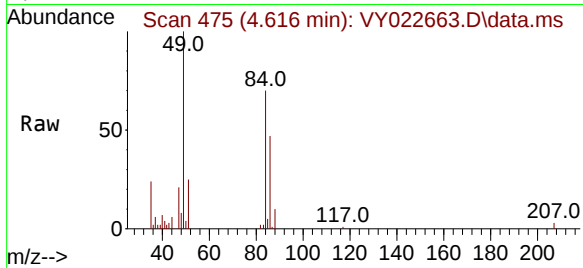




#20
Methylene Chloride
Concen: 5.476 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

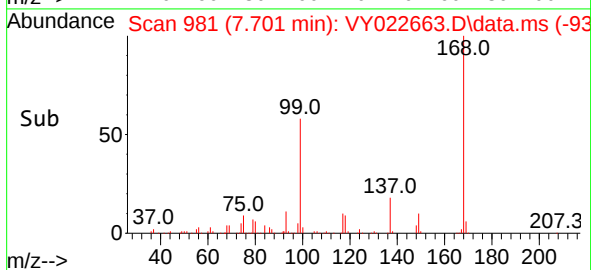
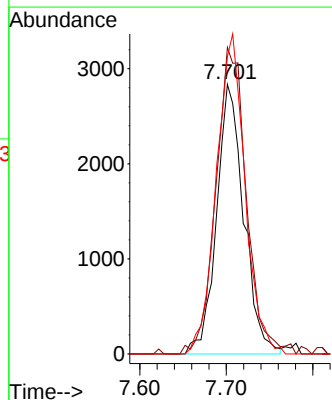
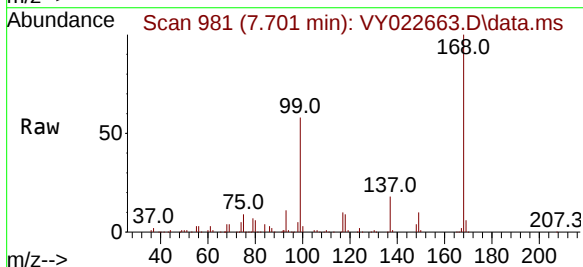
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

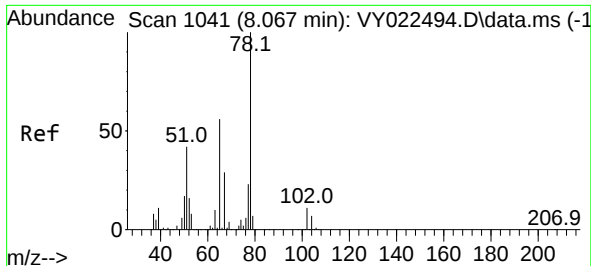
Tgt Ion:	84	Resp:	15050
Ion	Ratio	Lower	Upper
84	100		
49	141.6	101.9	152.9
51	35.1	29.8	44.8
86	67.2	51.3	76.9



#31
Cyclohexane
Concen: 1.353 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

Tgt Ion:	56	Resp:	6196
Ion	Ratio	Lower	Upper
56	100		
69	113.7	27.0	40.6#
84	110.2	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.083 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

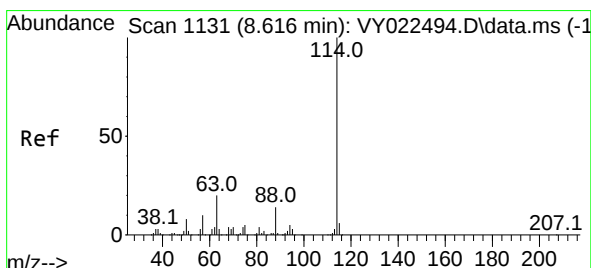
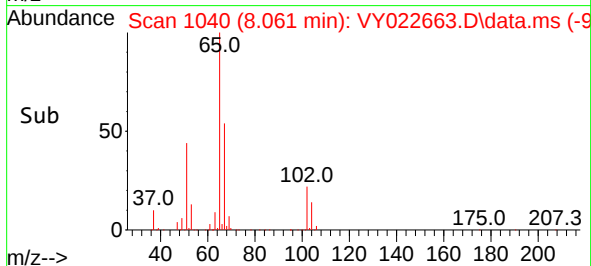
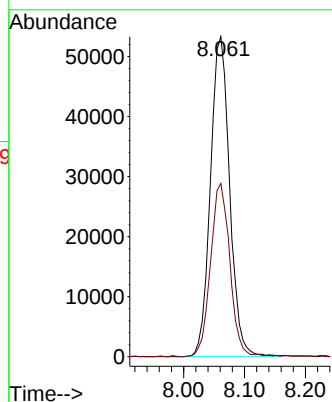
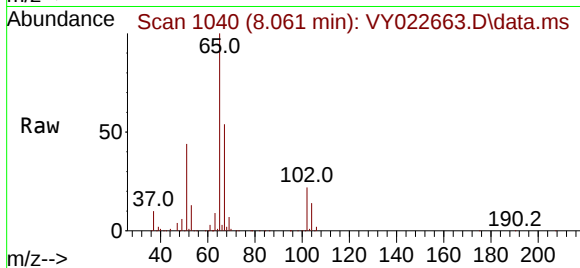
VIBLK

Tgt Ion: 65 Resp: 116936

Ion Ratio Lower Upper

65 100

67 54.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

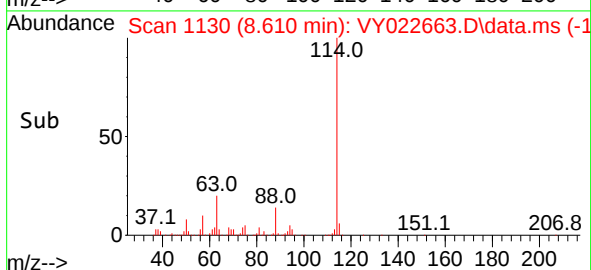
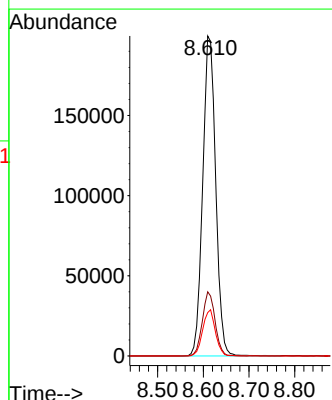
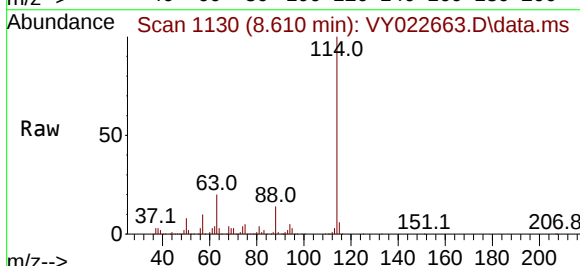
Tgt Ion: 114 Resp: 392635

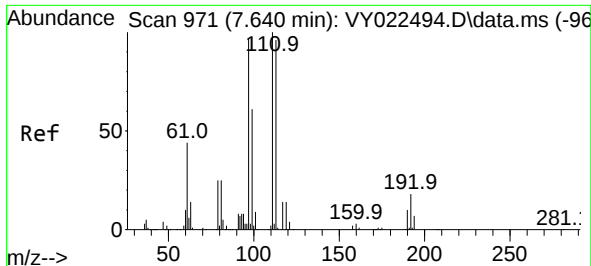
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 13.5 0.0 27.8





#35

Dibromofluoromethane

Concen: 49.781 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

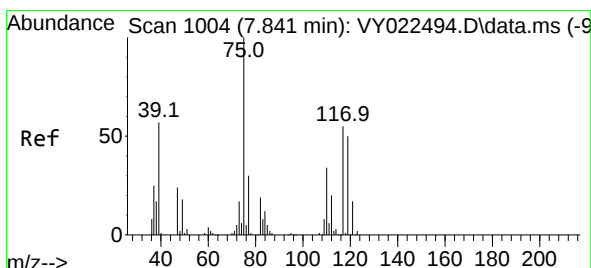
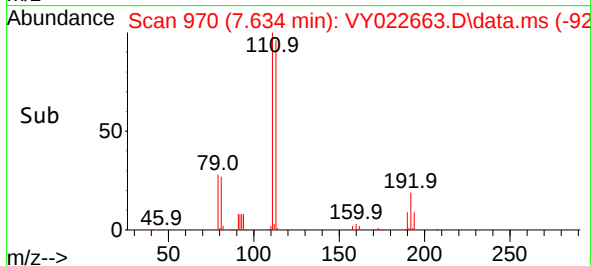
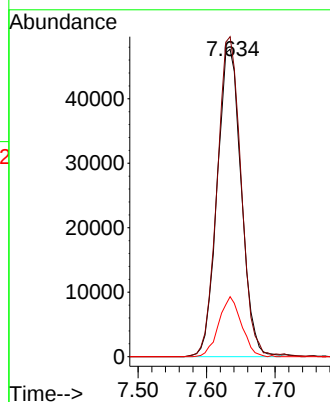
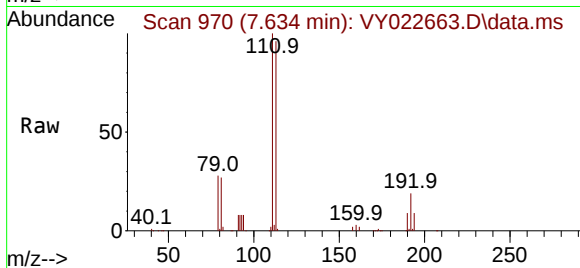
Tgt Ion:113 Resp: 116665

Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 18.3 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.064 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

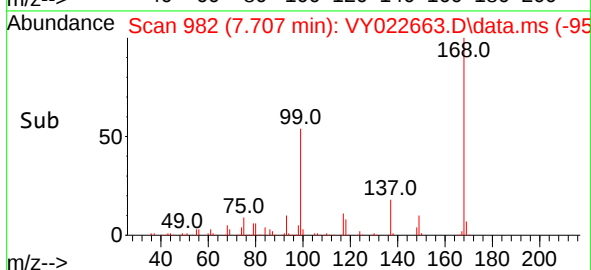
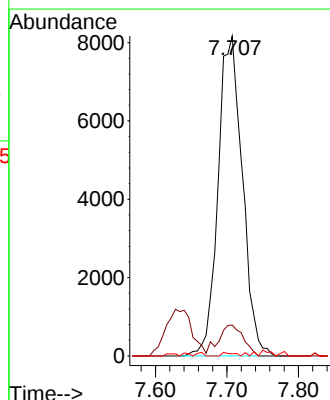
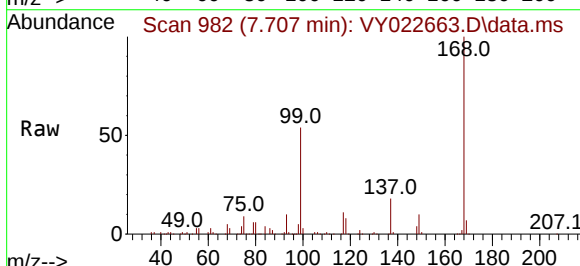
Tgt Ion: 75 Resp: 19260

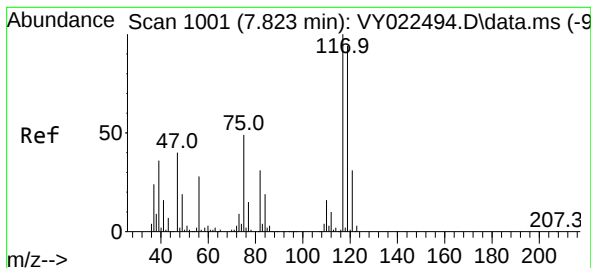
Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.5 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.627 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.116 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

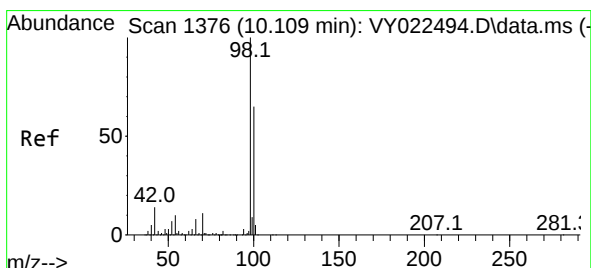
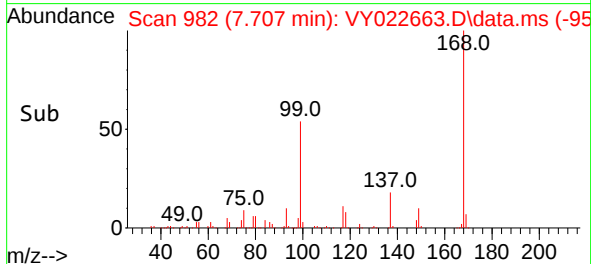
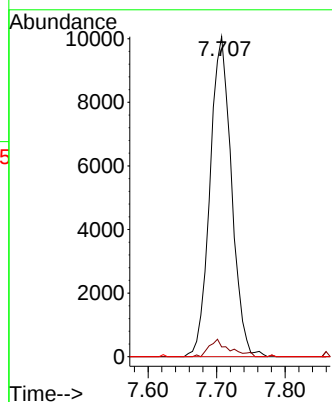
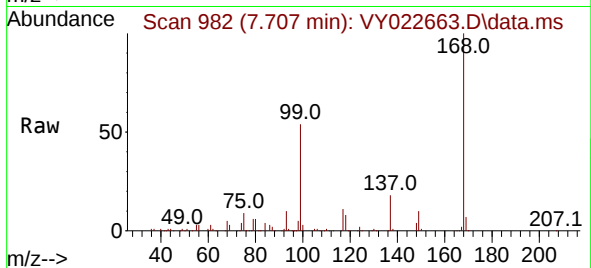
Tgt Ion:117 Resp: 21957

Ion Ratio Lower Upper

117 100

119 3.1 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.087 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022663.D

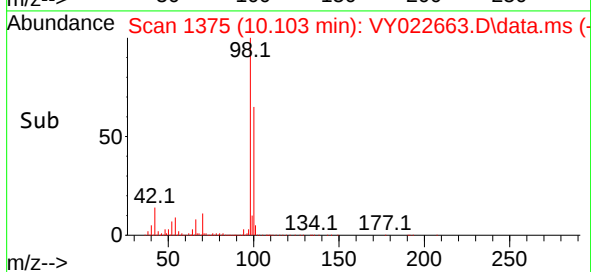
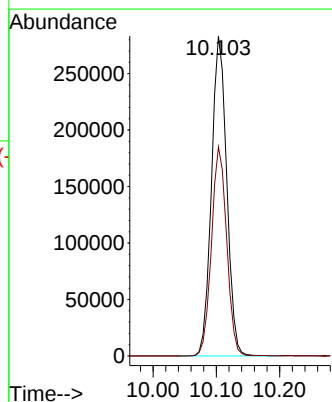
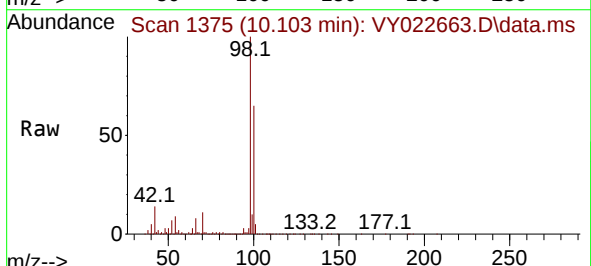
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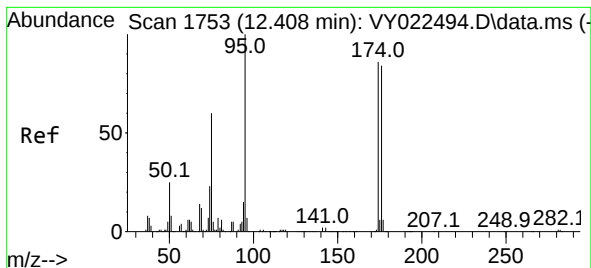
Tgt Ion: 98 Resp: 474296

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

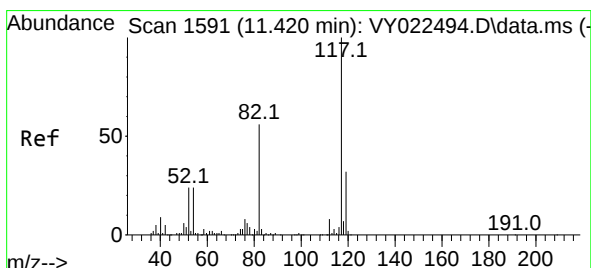
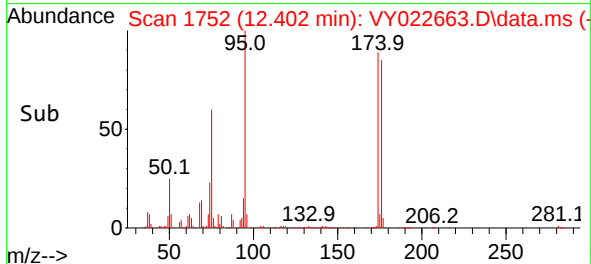
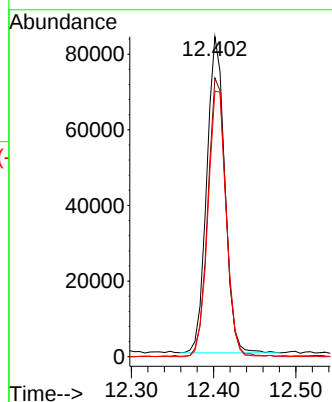
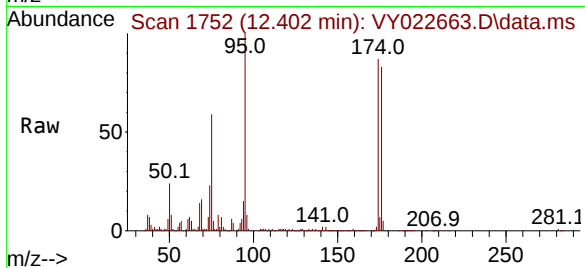




#62
4-Bromofluorobenzene
Concen: 45.271 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

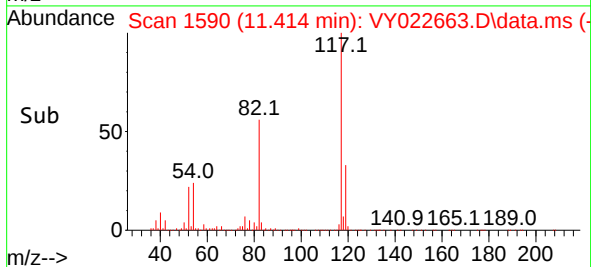
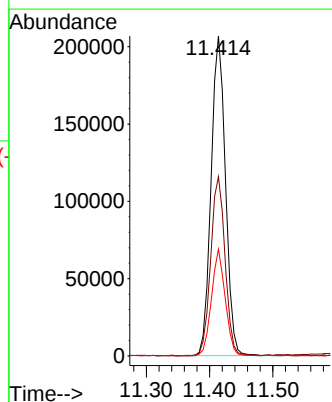
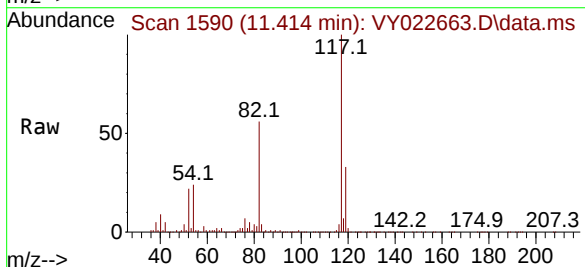
Instrument :
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VIBLK

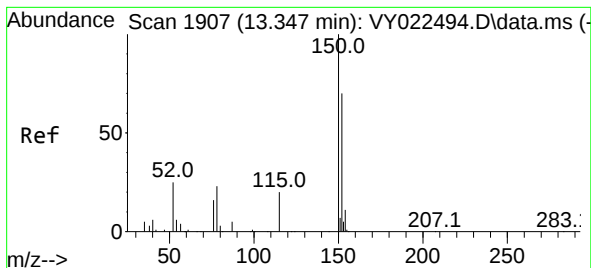
Tgt Ion: 95 Resp: 127728
Ion Ratio Lower Upper
95 100
174 87.9 0.0 170.0
176 85.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

Tgt Ion: 117 Resp: 326970
Ion Ratio Lower Upper
117 100
82 56.0 44.6 66.8
119 33.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

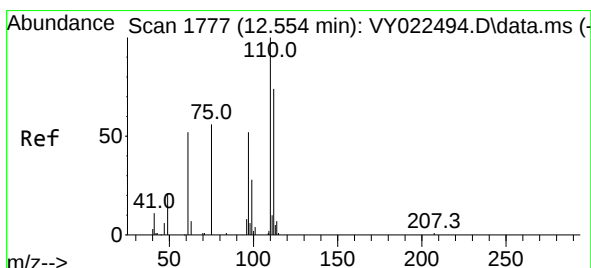
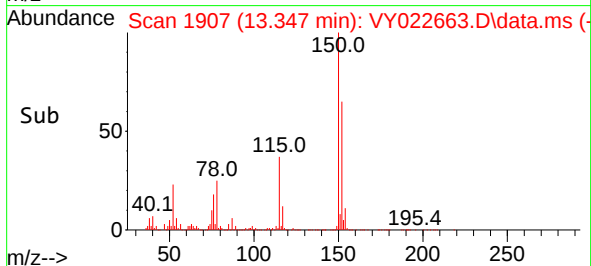
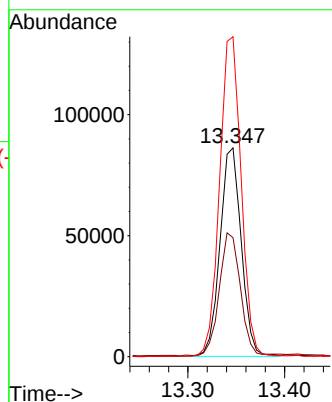
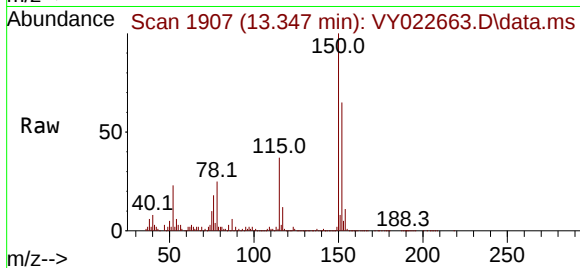
Tgt Ion:152 Resp: 131452

Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.7

150 155.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 49.257 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022663.D

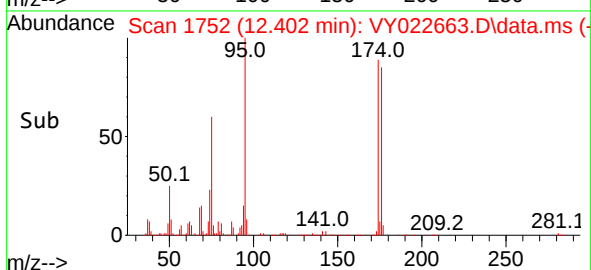
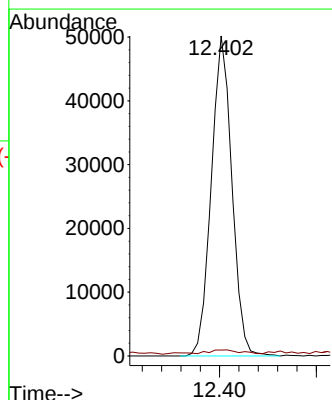
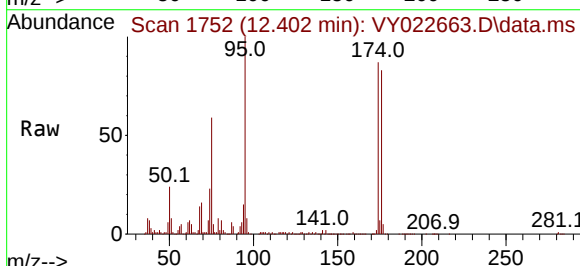
Acq: 11 Jun 2025 14:45

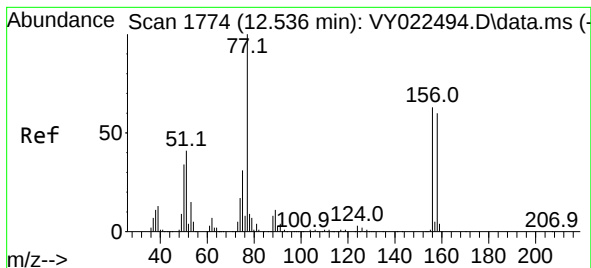
Tgt Ion: 75 Resp: 74075

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#77

Bromobenzene

Concen: 14.380 ug/l

RT: 12.597 min Scan# 1752

Delta R.T. 0.061 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

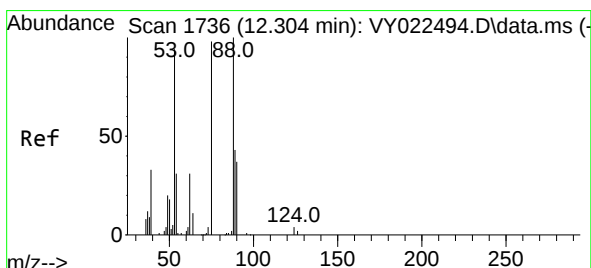
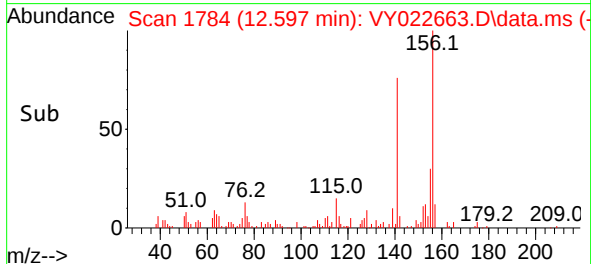
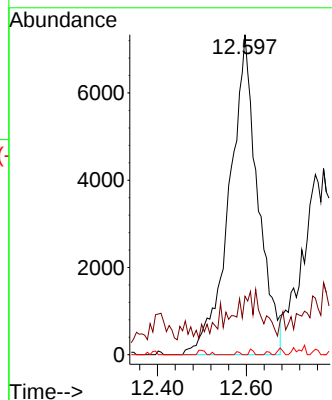
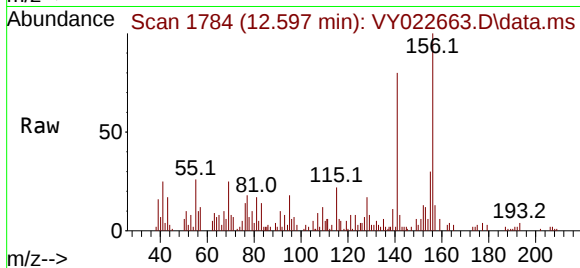
Tgt Ion:156 Resp: 32749

Ion Ratio Lower Upper

156 100

77 2.0 94.0 282.1#

158 0.2 48.2 144.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.952 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

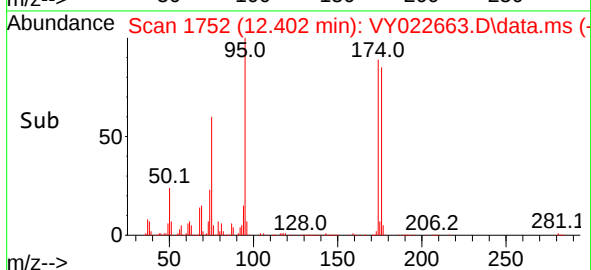
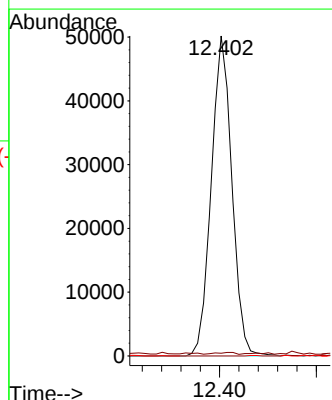
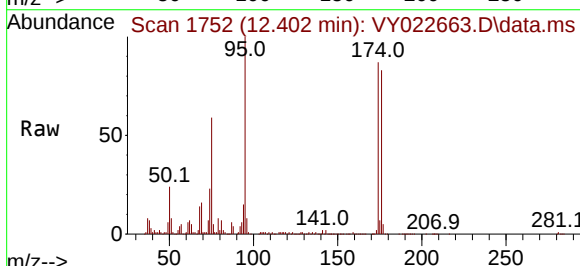
Tgt Ion: 75 Resp: 74075

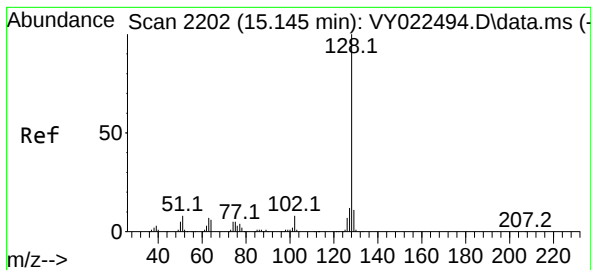
Ion Ratio Lower Upper

75 100

53 0.5 78.5 117.7#

89 0.0 35.7 53.5#





#95

Naphthalene

Concen: 23.671 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY022663.D

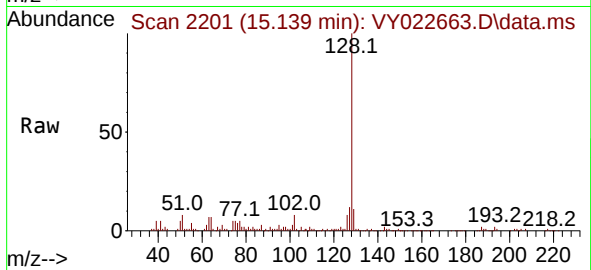
Acq: 11 Jun 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 97056

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 11.5 8.9 13.3

