

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
 Data File : VY022739.D
 Acq On : 18 Jun 2025 15:41
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 19 04:01:53 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)

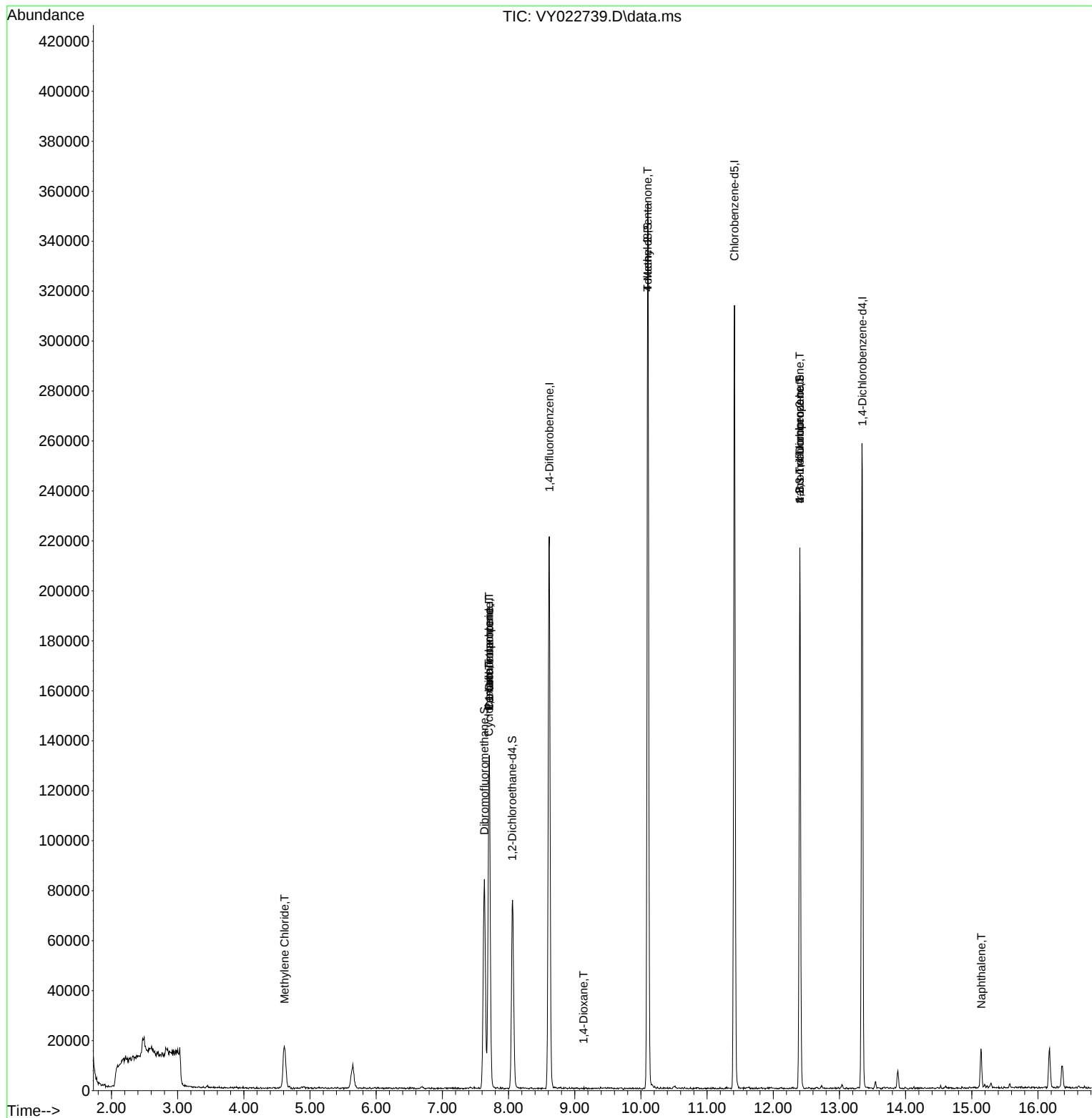
Internal Standards						
1) Pentafluorobenzene	7.707	168	98061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	183125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	156190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	60249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	58686	53.509	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.020%
35) Dibromofluoromethane	7.634	113	56477	51.670	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.340%
50) Toluene-d8	10.103	98	221395	50.128	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.260%
62) 4-Bromofluorobenzene	12.402	95	57669	43.824	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.640%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	12246	9.679	ug/l	94
31) Cyclohexane	7.701	56	2646	1.256	ug/l #	47
36) 1,1-Dichloropropene	7.707	75	8593	4.844	ug/l #	52
38) Carbon Tetrachloride	7.707	117	9896	5.438	ug/l #	17
49) 1,4-Dioxane	9.134	88	20	2.423	ug/l #	24
51) 4-Methyl-2-Pentanone	10.103	43	953	1.119	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	34528	50.094	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	34528	120.973	ug/l #	10
95) Naphthalene	15.145	128	12019	6.395	ug/l	99

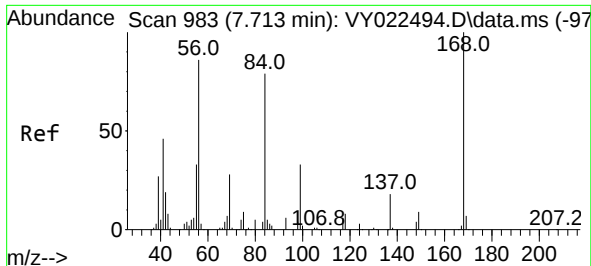
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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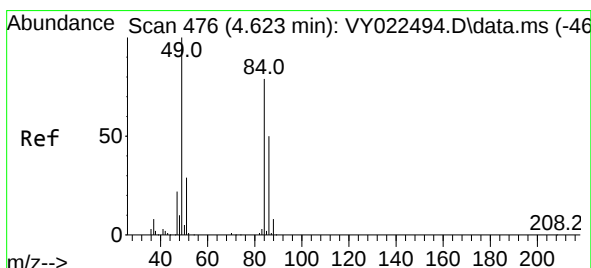
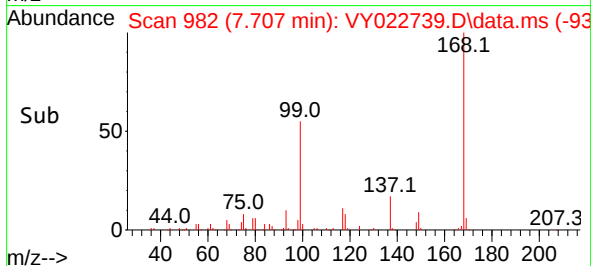
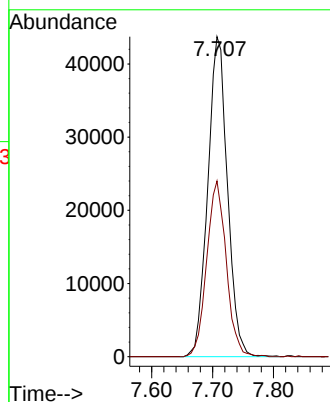
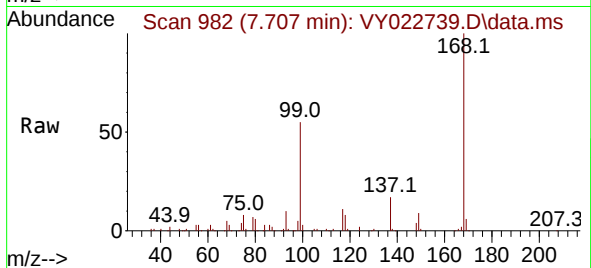




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

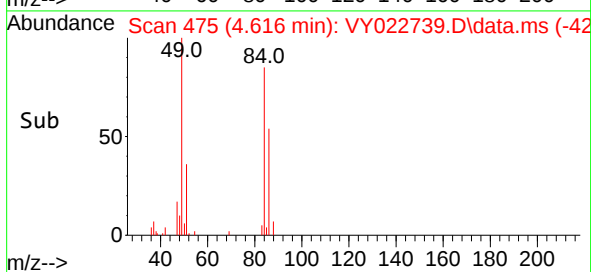
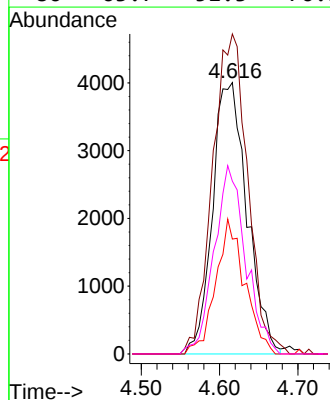
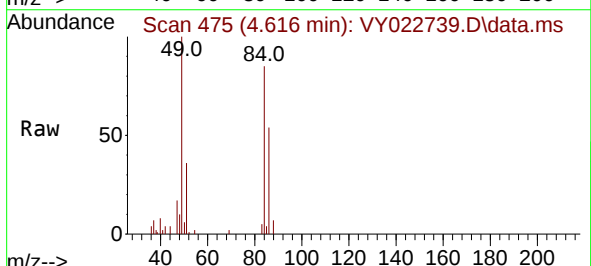
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

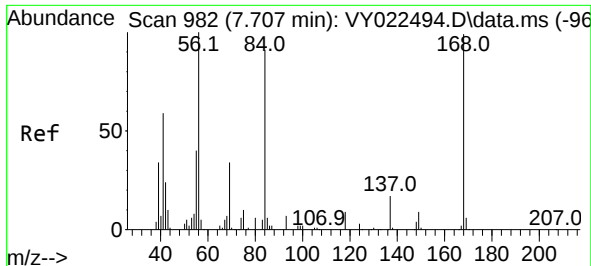
Tgt Ion:168 Resp: 98061
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#20
Methylene Chloride
Concen: 9.679 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

Tgt Ion: 84 Resp: 12246
Ion Ratio Lower Upper
84 100
49 117.9 101.9 152.9
51 42.3 29.8 44.8
86 63.7 51.3 76.9

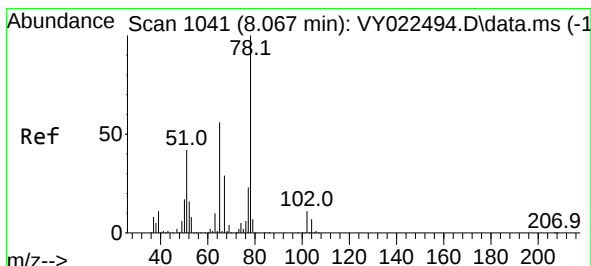
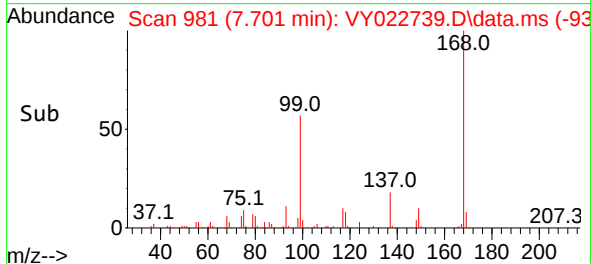
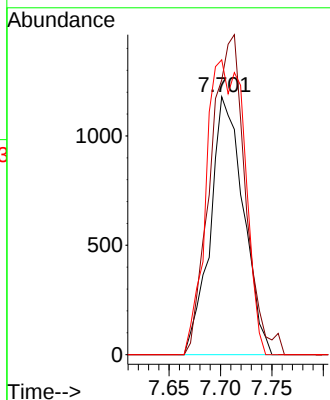
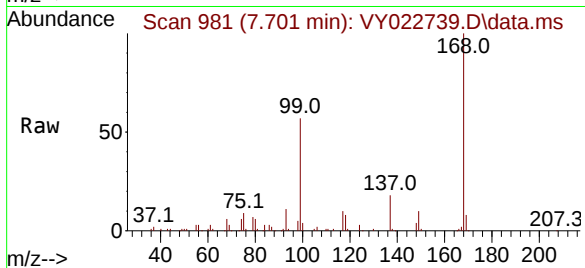




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

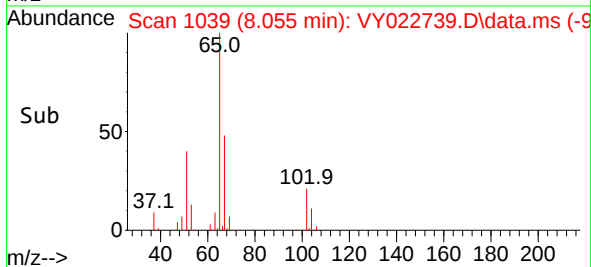
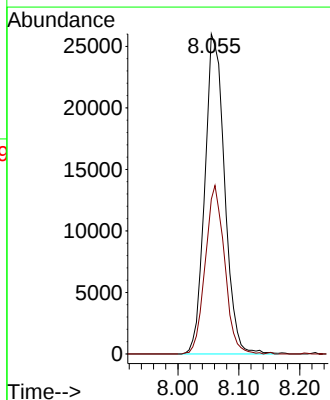
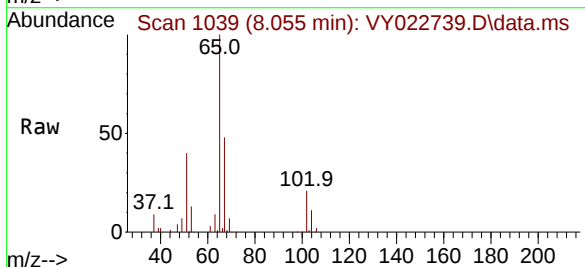
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 56 Resp: 2646
Ion Ratio Lower Upper
56 100
69 106.4 27.0 40.6#
84 114.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.509 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

Tgt Ion: 65 Resp: 58686
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022739.D

Acq: 18 Jun 2025 15:41

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

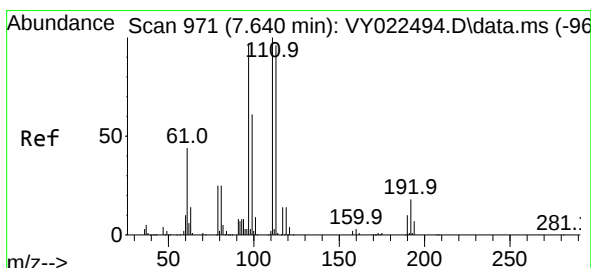
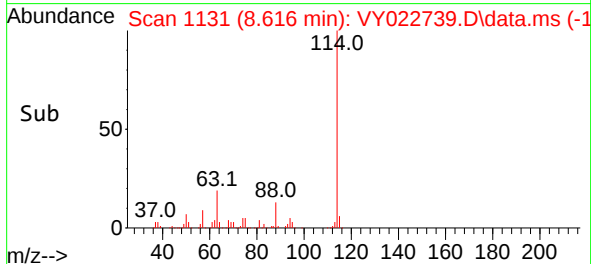
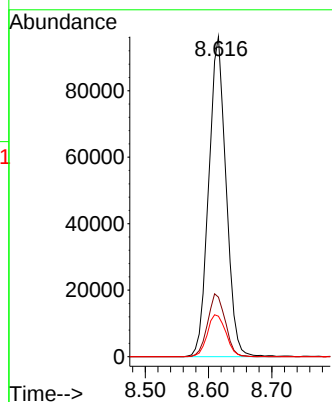
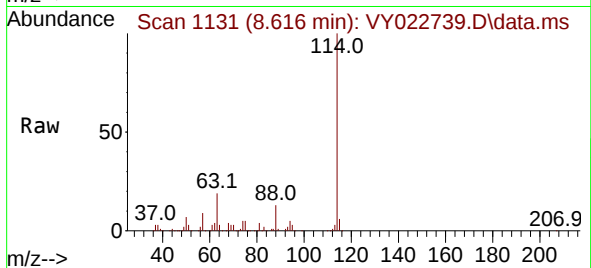
Tgt Ion:114 Resp: 183125

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.8

88 12.7 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.670 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022739.D

Acq: 18 Jun 2025 15:41

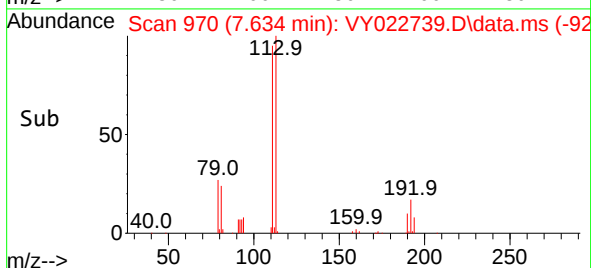
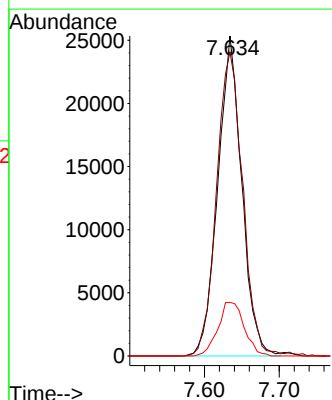
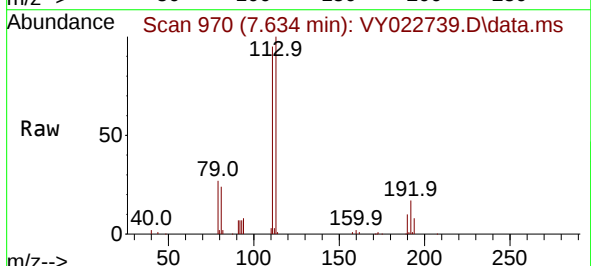
Tgt Ion:113 Resp: 56477

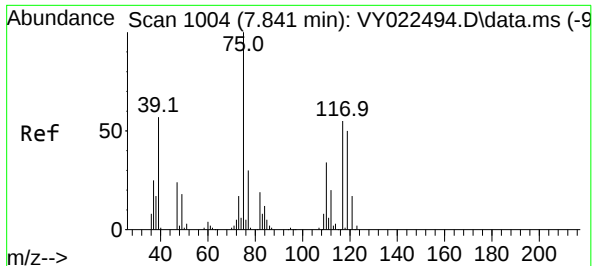
Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

192 18.4 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.844 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022739.D

Acq: 18 Jun 2025 15:41

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

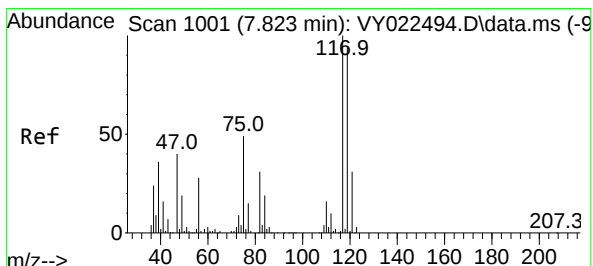
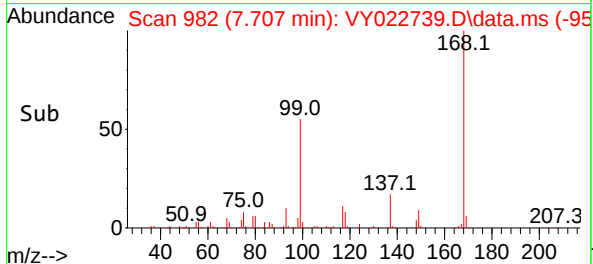
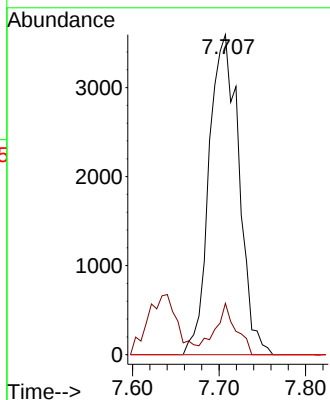
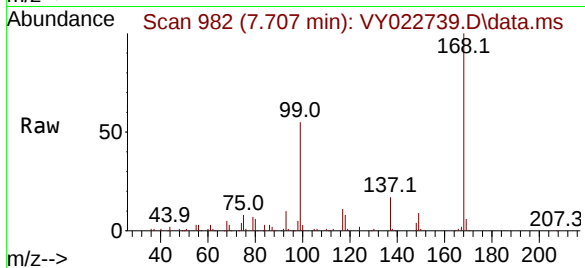
Tgt Ion: 75 Resp: 8593

Ion Ratio Lower Upper

75 100

110 11.2 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.438 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022739.D

Acq: 18 Jun 2025 15:41

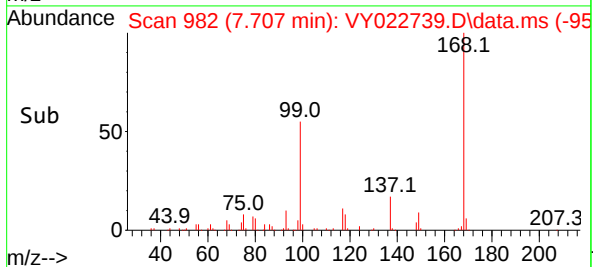
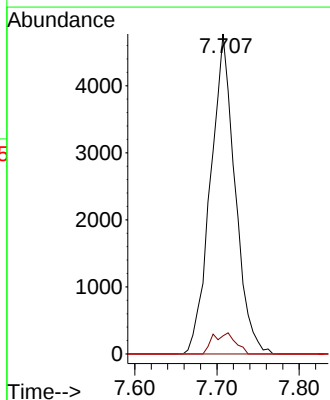
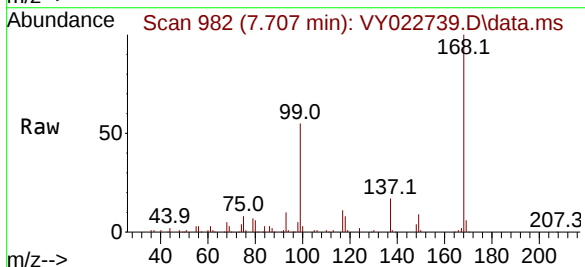
Tgt Ion: 117 Resp: 9896

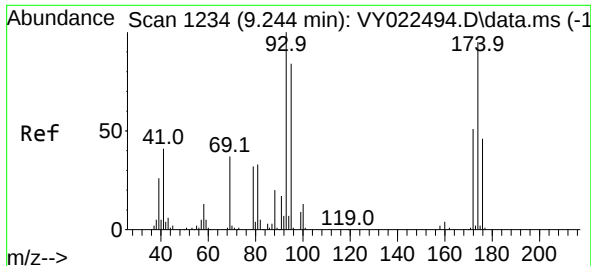
Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 2.423 ug/l

RT: 9.134 min Scan# 11

Delta R.T. -0.110 min

Lab File: VY022739.D

Acq: 18 Jun 2025 15:41

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

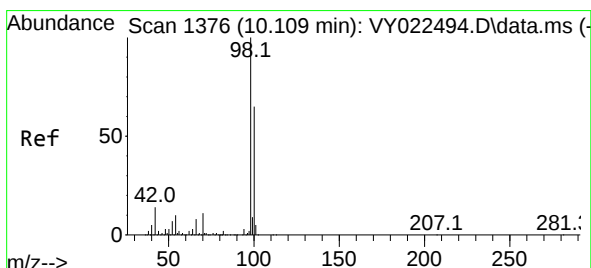
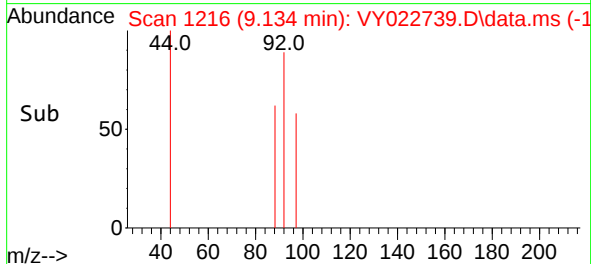
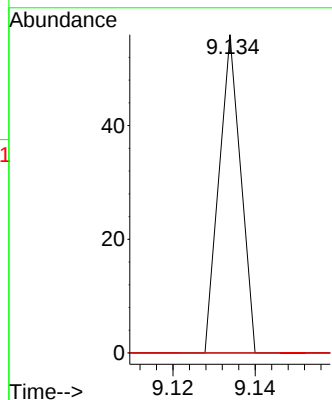
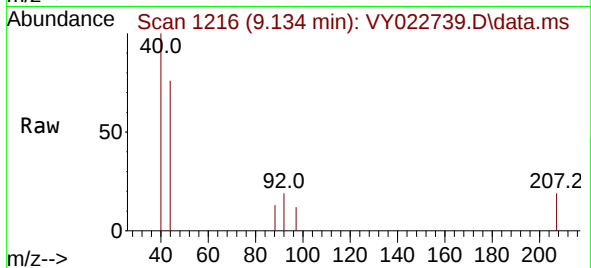
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 50.128 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022739.D

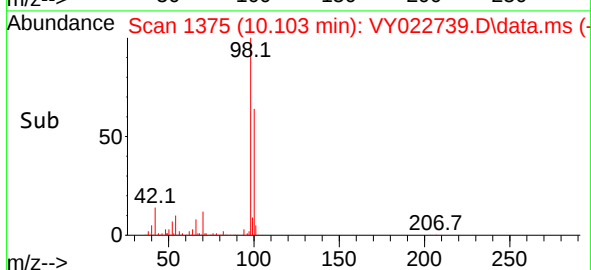
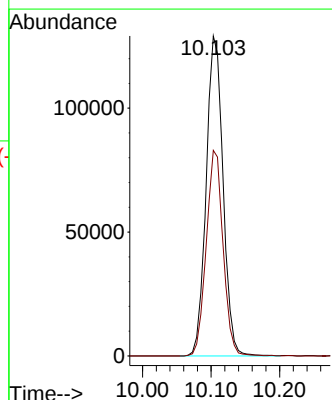
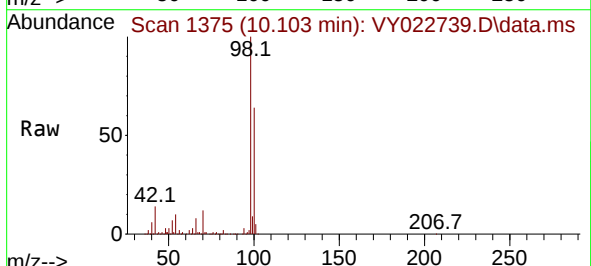
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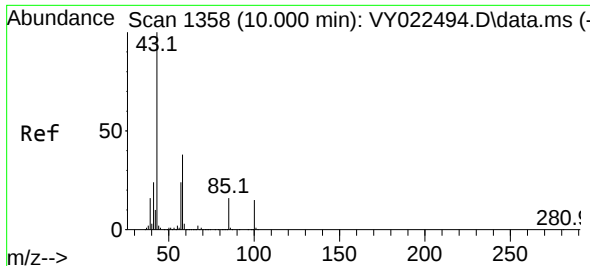
Tgt Ion: 98 Resp: 221395

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0

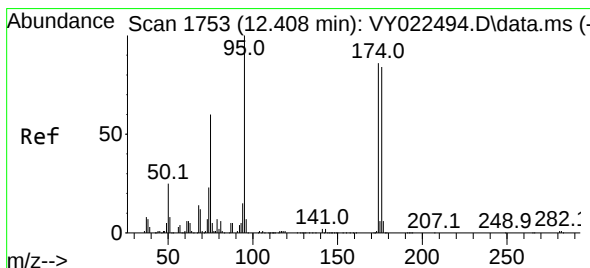
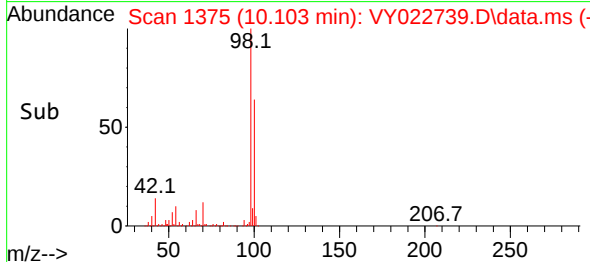
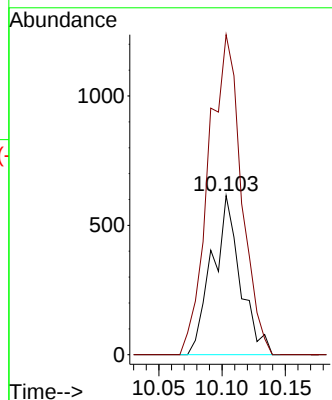
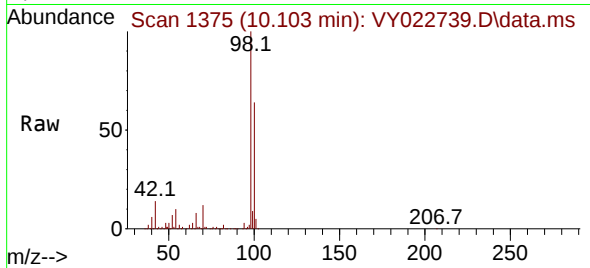




#51
4-Methyl-2-Pentanone
Concen: 1.119 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

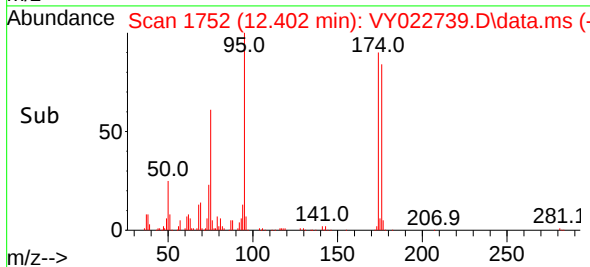
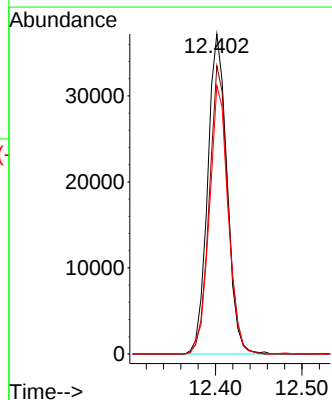
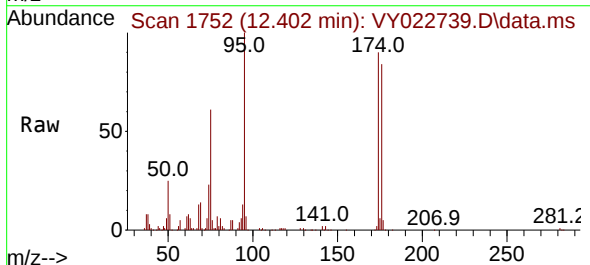
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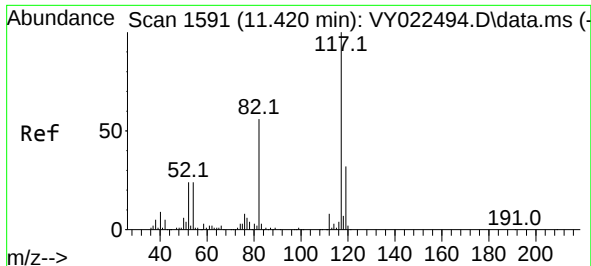
Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 235.0 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 43.824 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

Tgt Ion: 95 Resp: 57669
Ion Ratio Lower Upper
95 100
174 87.2 0.0 170.0
176 81.7 0.0 166.2

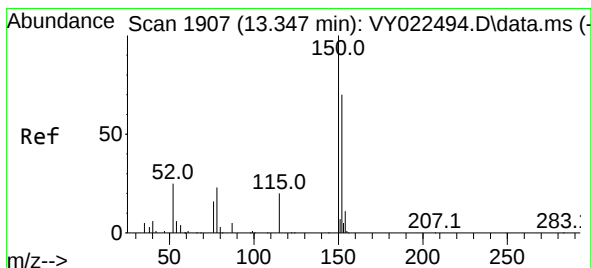
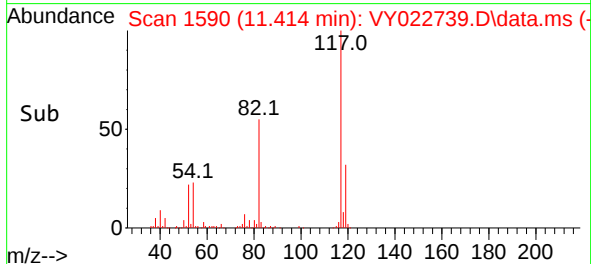
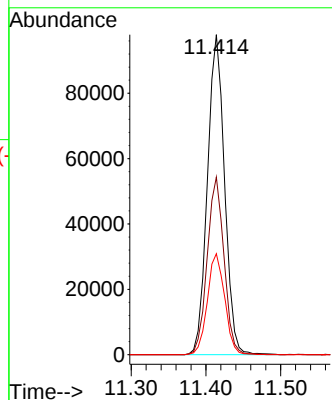
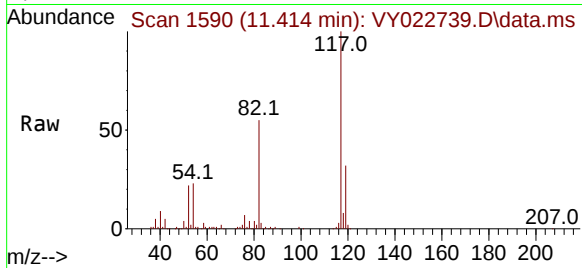




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

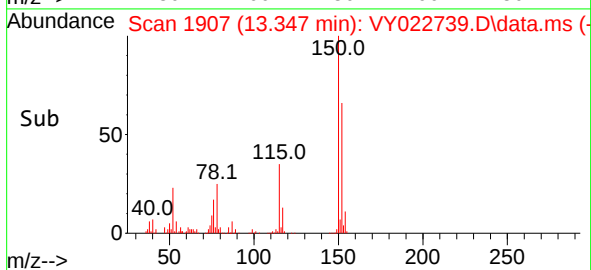
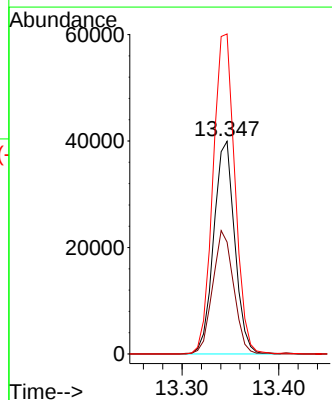
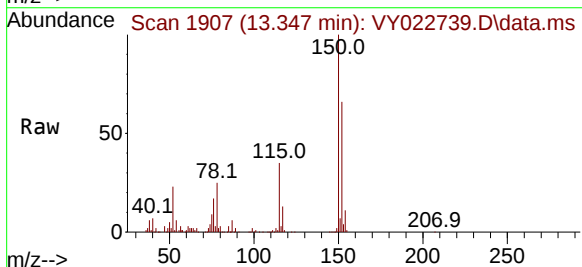
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

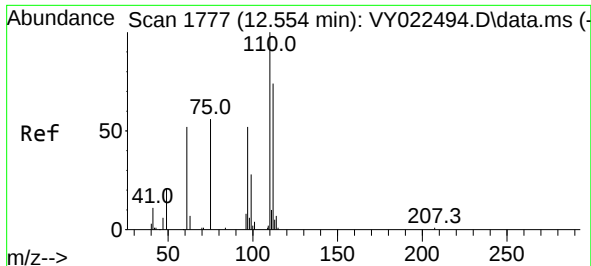
Tgt Ion:117 Resp: 156190
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

Tgt Ion:152 Resp: 60249
Ion Ratio Lower Upper
152 100
115 57.9 28.9 86.7
150 157.0 0.0 349.6

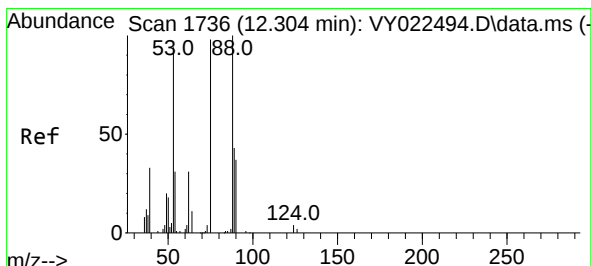
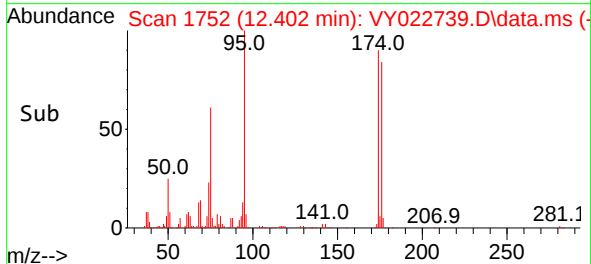
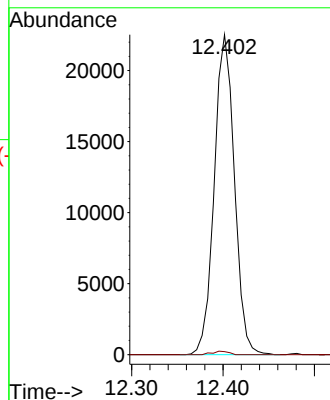
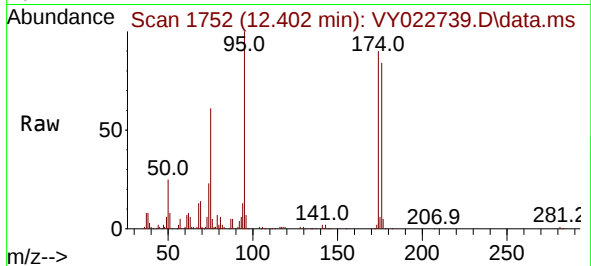




#76
1,2,3-Trichloropropane
Concen: 50.094 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

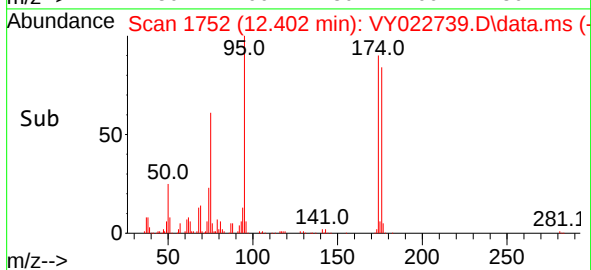
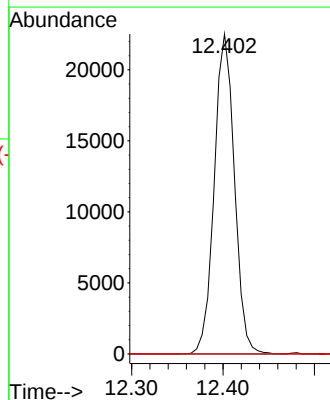
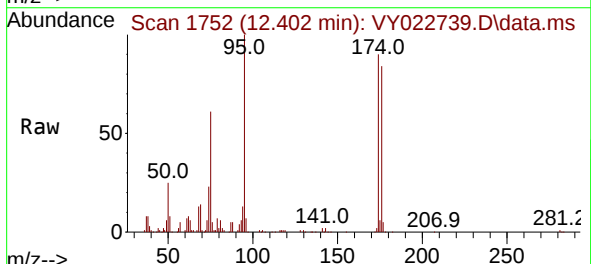
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

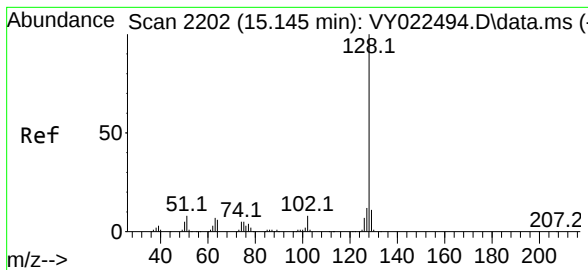
Tgt Ion: 75 Resp: 34528
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.973 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

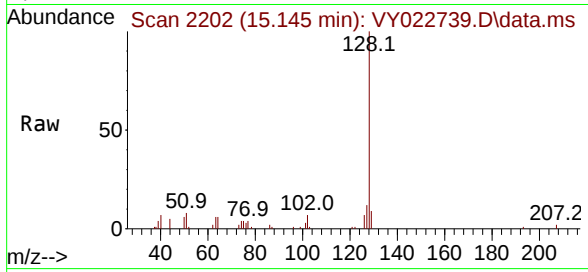
Tgt Ion: 75 Resp: 34528
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#





#95
 Naphthalene
 Concen: 6.395 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY022739.D
 Acq: 18 Jun 2025 15:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	128	Resp:	12019
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.5	8.9	13.3

