

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
 Data File : VY021768.D
 Acq On : 03 Apr 2025 13:10
 Operator : SY/MD
 Sample : Q1685-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-040125

Quant Time: Apr 04 01:30:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

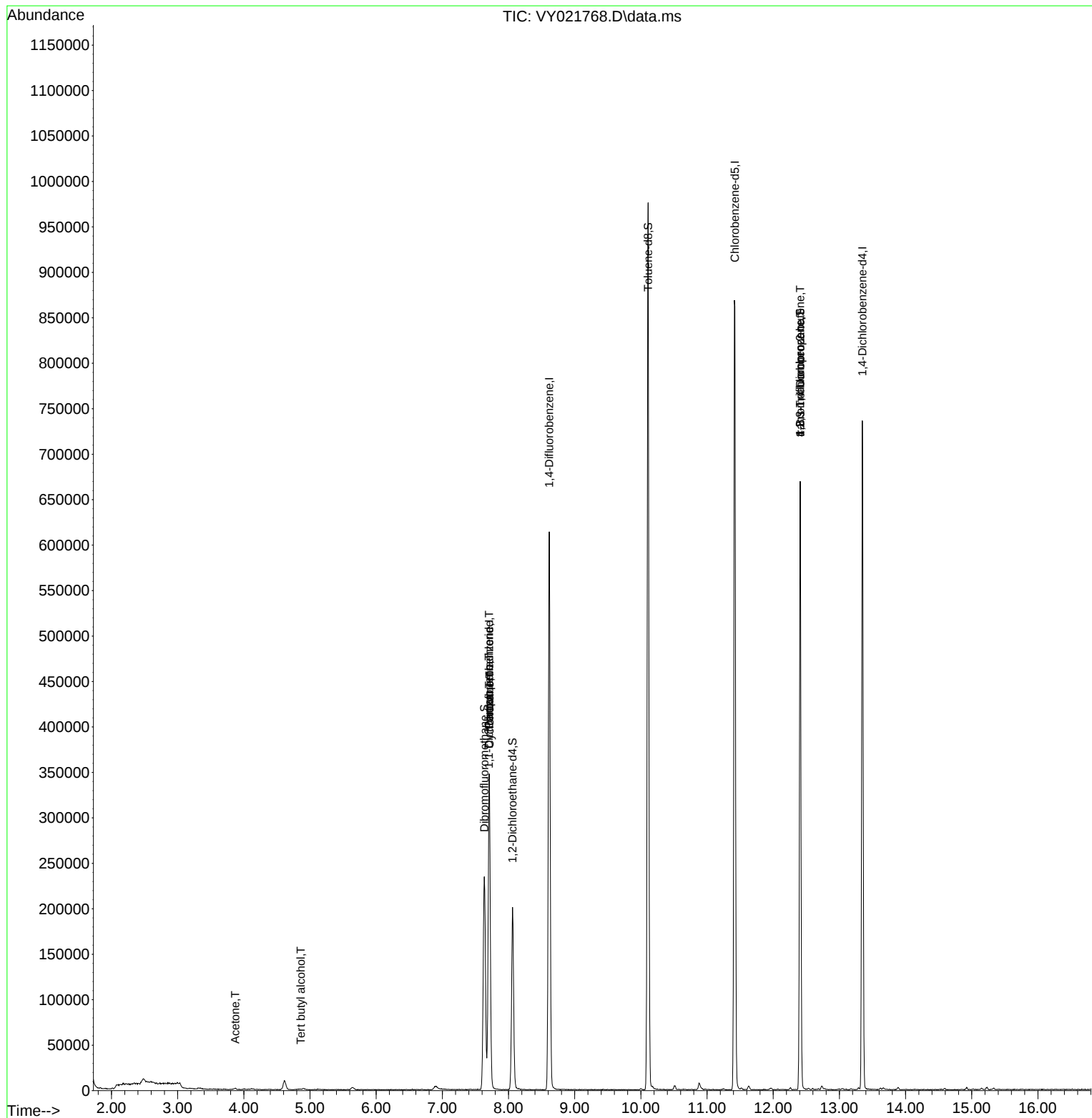
Internal Standards						
1) Pentafluorobenzene	7.707	168	258143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	494176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	462391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	179407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154319	55.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.340%	
35) Dibromofluoromethane	7.634	113	166520	51.946	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.900%	
50) Toluene-d8	10.109	98	614928	50.424	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	12.408	95	191721	46.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	326	1.794	ug/l #	70
16) Acetone	3.873	43	2041	3.566	ug/l	91
20) Methylene Chloride	4.604	84	6560	Below Cal		90
31) Cyclohexane	7.713	56	5947	1.205	ug/l #	15
36) 1,1-Dichloropropene	7.701	75	21723	4.449	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26509	4.740	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	102013	57.363	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	102013	132.173	ug/l #	12

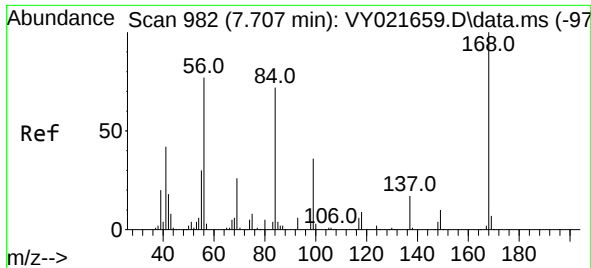
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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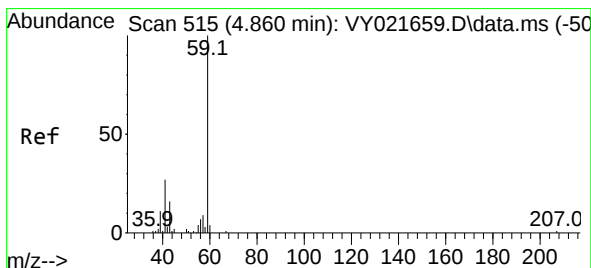
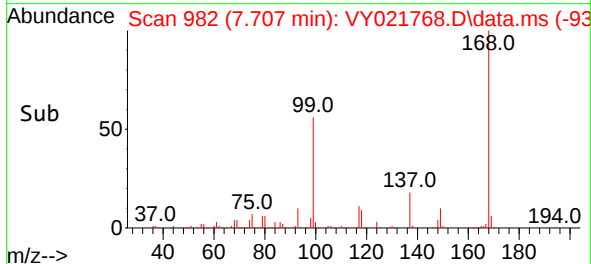
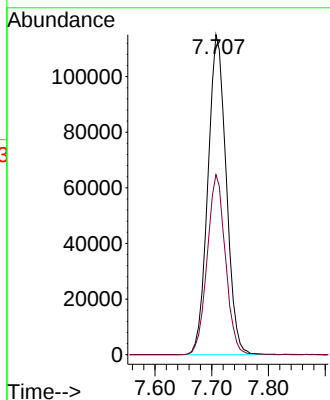
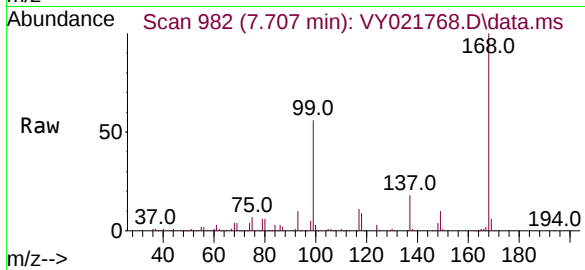




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021768.D
Acq: 03 Apr 2025 13:10

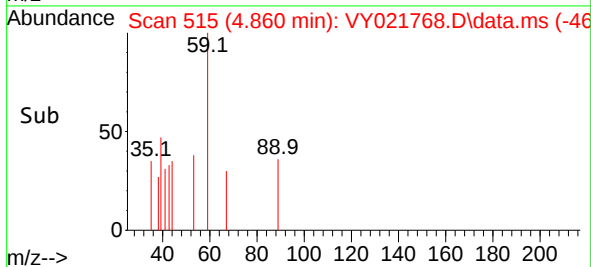
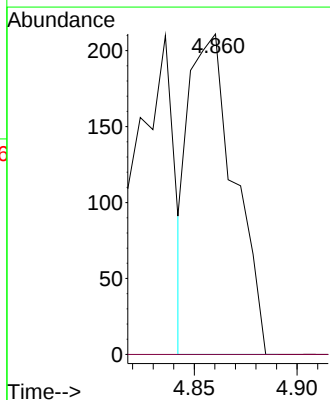
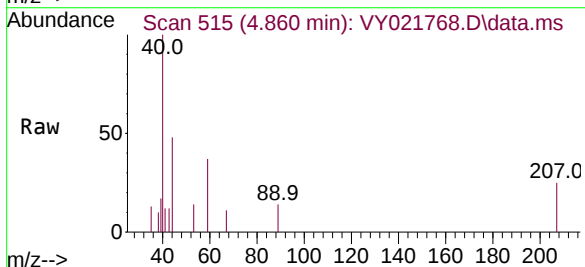
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-040125

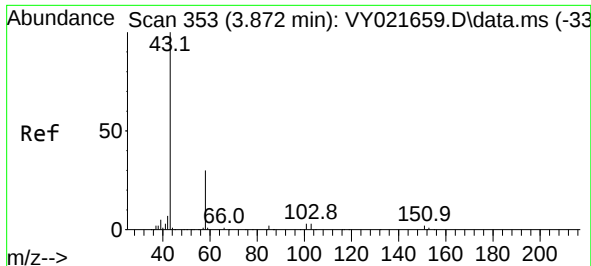
Tgt Ion:168 Resp: 258143
Ion Ratio Lower Upper
168 100
99 56.2 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.794 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021768.D
Acq: 03 Apr 2025 13:10

Tgt Ion: 59 Resp: 326
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 3.566 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY021768.D

Acq: 03 Apr 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

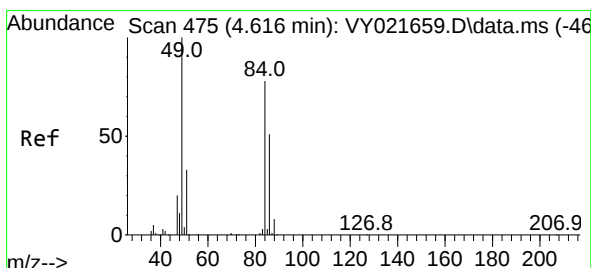
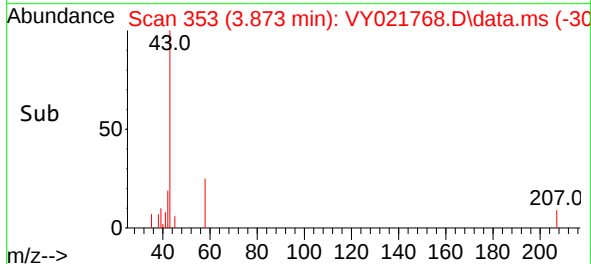
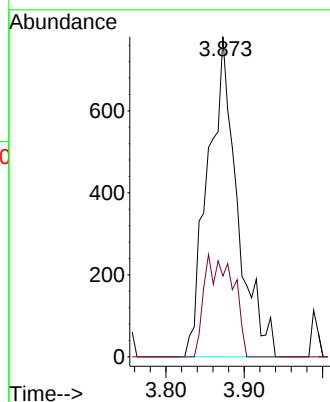
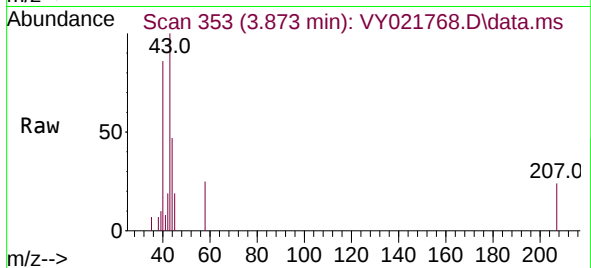
HR-02-040125

Tgt Ion: 43 Resp: 2041

Ion Ratio Lower Upper

43 100

58 25.2 24.2 36.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY021768.D

Acq: 03 Apr 2025 13:10

Tgt Ion: 84 Resp: 6560

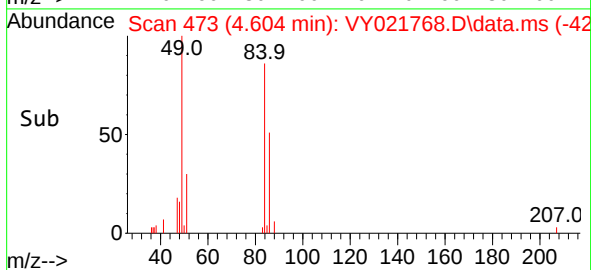
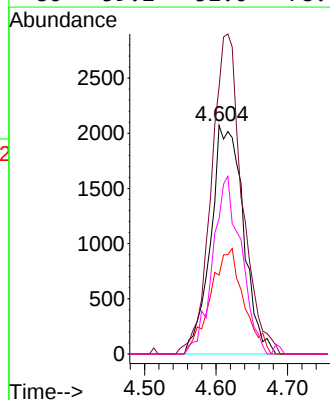
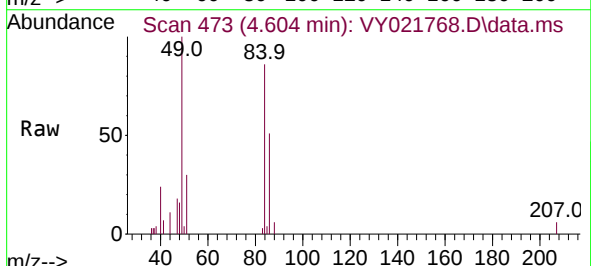
Ion Ratio Lower Upper

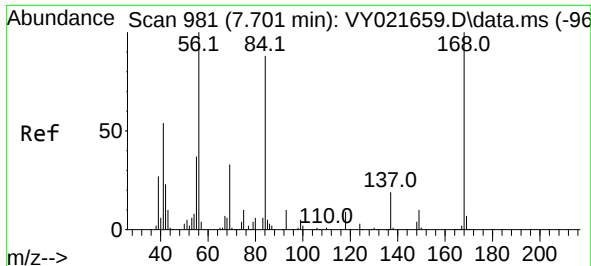
84 100

49 116.8 102.8 154.2

51 34.5 33.5 50.3

86 59.2 52.0 78.0

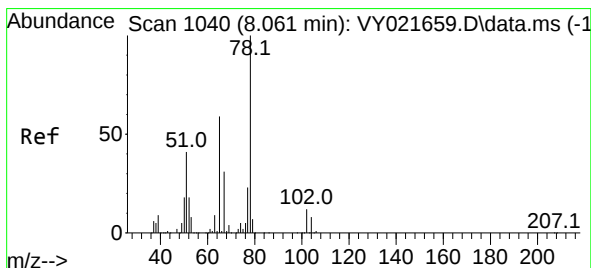
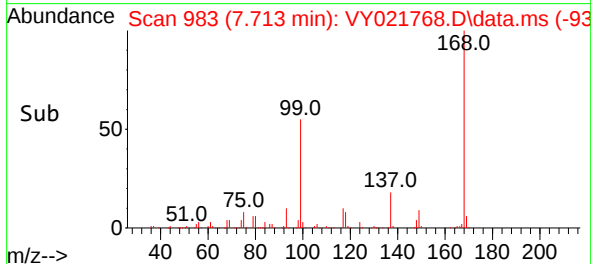
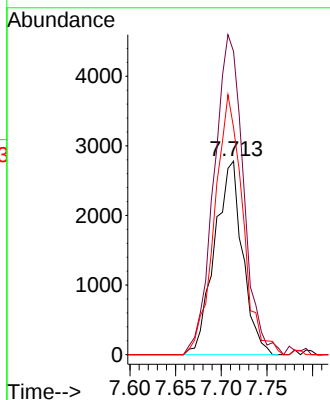
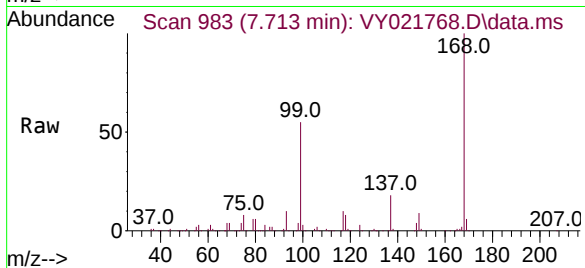




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY021768.D
Acq: 03 Apr 2025 13:10

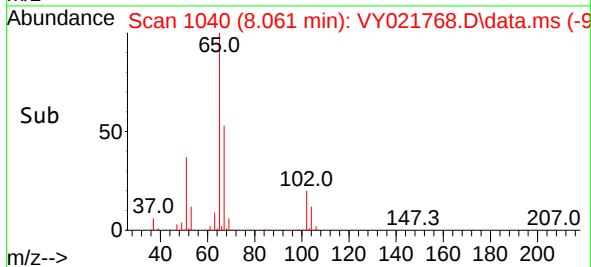
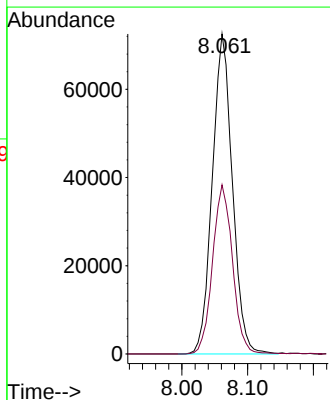
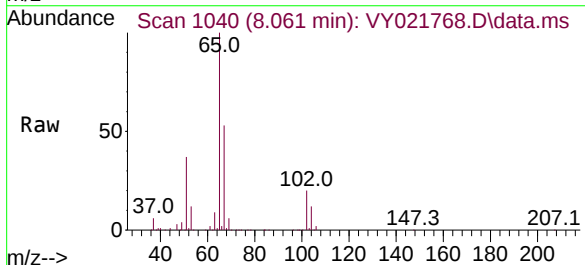
Instrument :
MSVOA_Y
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HR-02-040125

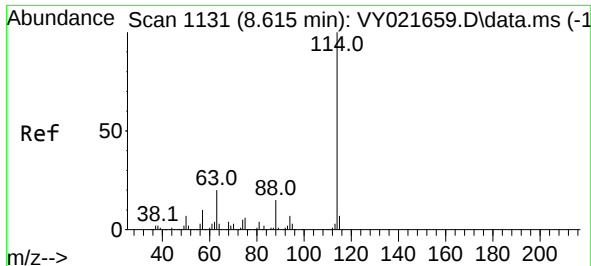
Tgt Ion: 56 Resp: 5947
Ion Ratio Lower Upper
56 100
69 156.6 26.6 40.0#
84 117.3 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 55.175 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021768.D
Acq: 03 Apr 2025 13:10

Tgt Ion: 65 Resp: 154319
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021768.D

Acq: 03 Apr 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-040125

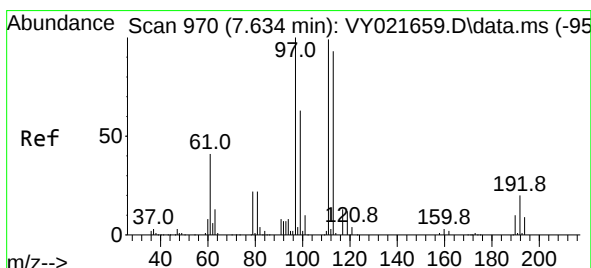
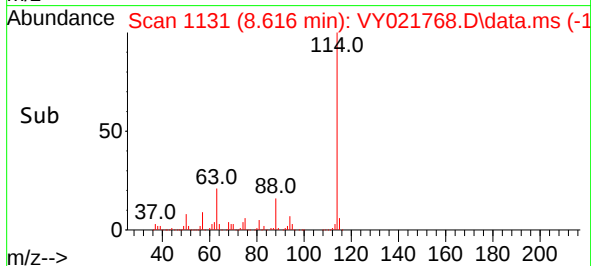
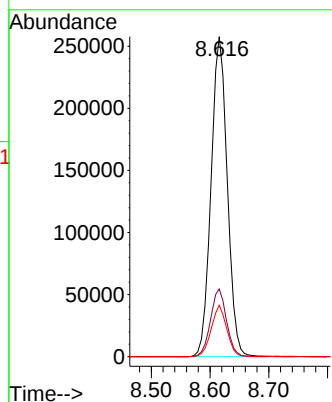
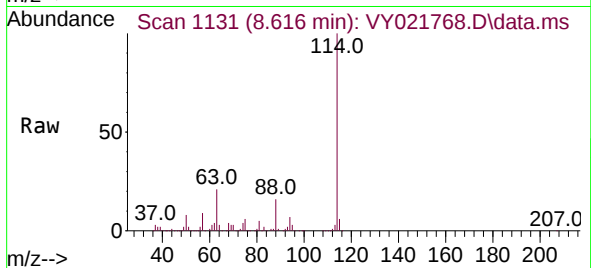
Tgt Ion:114 Resp: 494176

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.2

88 16.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.946 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021768.D

Acq: 03 Apr 2025 13:10

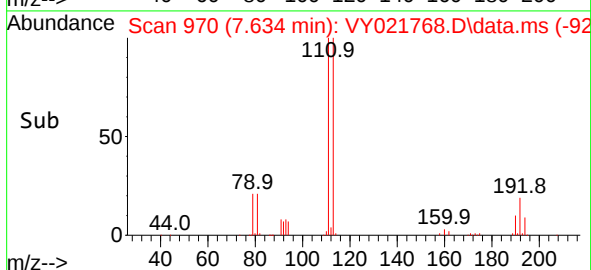
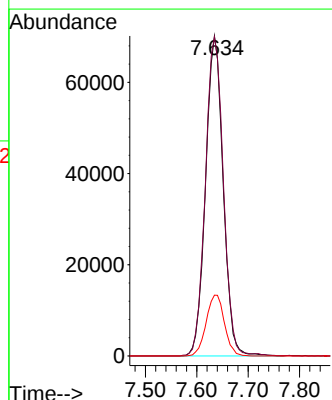
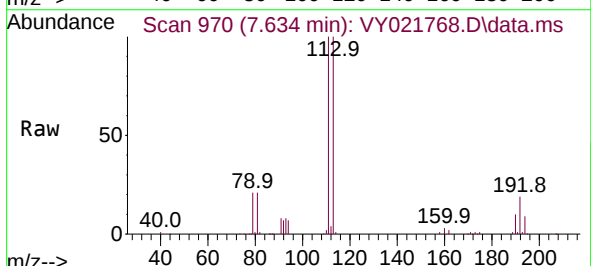
Tgt Ion:113 Resp: 166520

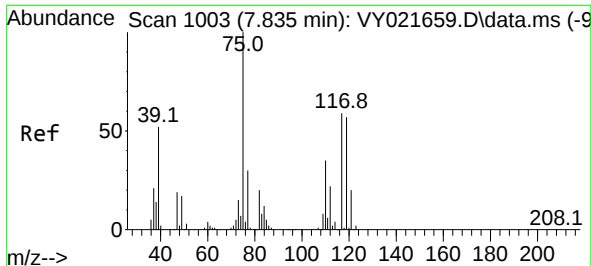
Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

192 19.8 16.2 24.4

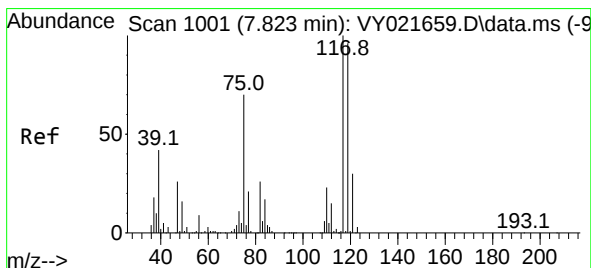
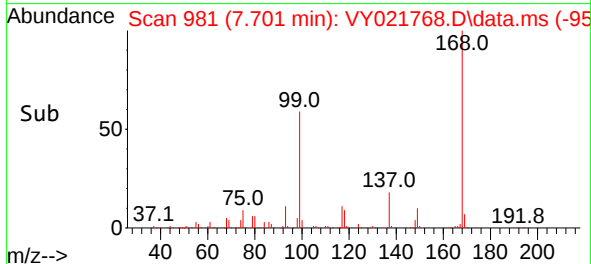
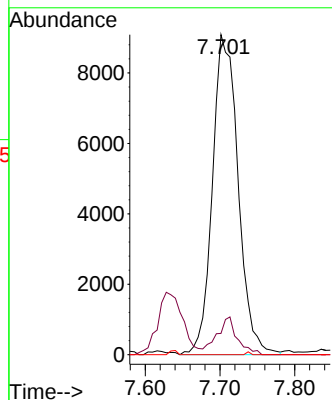
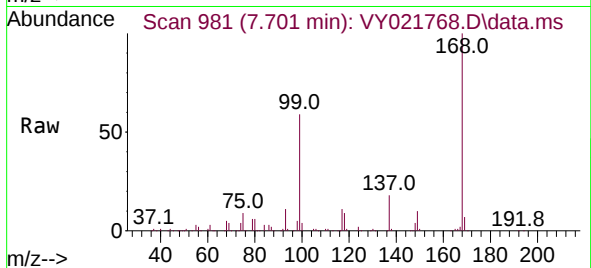




#36
1,1-Dichloropropene
Concen: 4.449 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021768.D
Acq: 03 Apr 2025 13:10

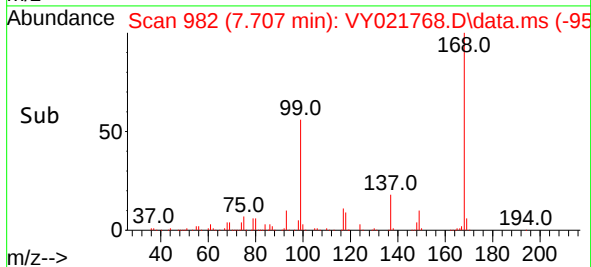
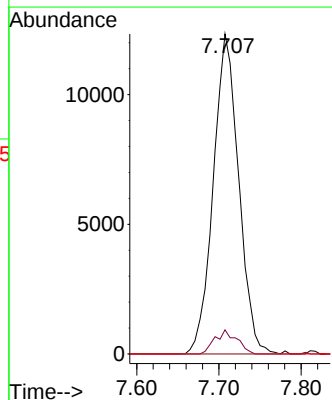
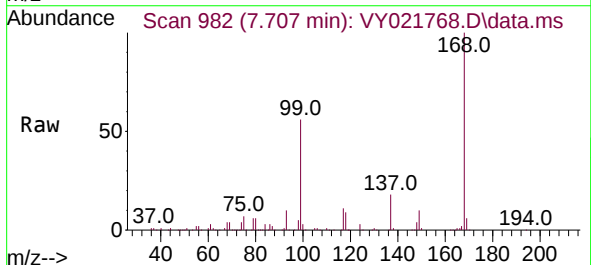
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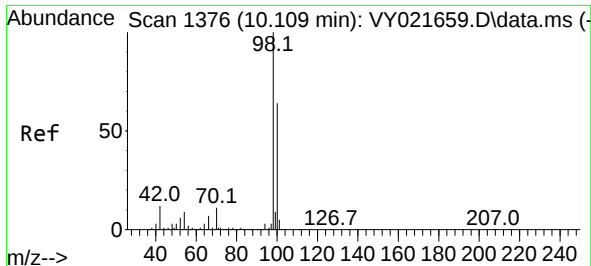
Tgt Ion: 75 Resp: 21723
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.740 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021768.D
Acq: 03 Apr 2025 13:10

Tgt Ion: 117 Resp: 26509
Ion Ratio Lower Upper
117 100
119 7.5 76.2 114.4#
121 0.0 24.2 36.4#

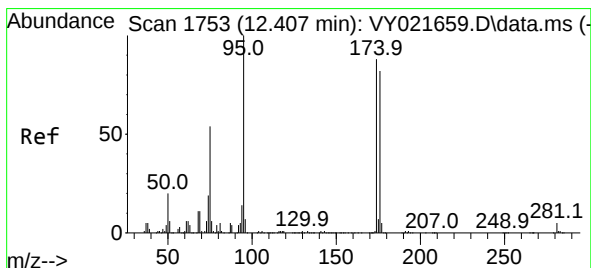
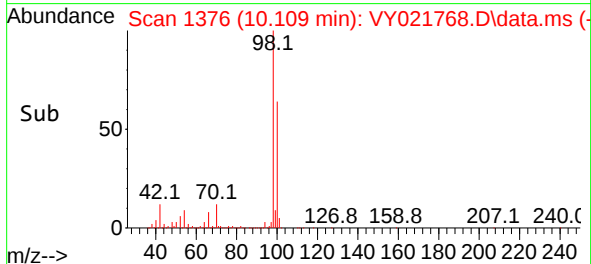
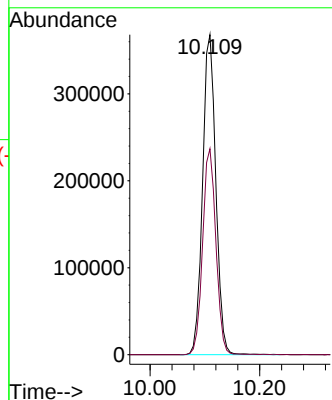
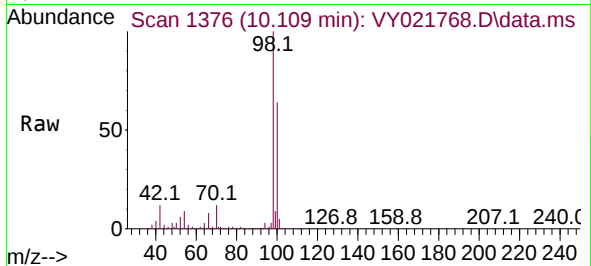




#50
Toluene-d8
Concen: 50.424 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021768.D
Acq: 03 Apr 2025 13:10

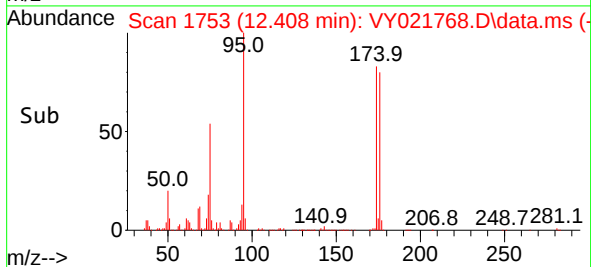
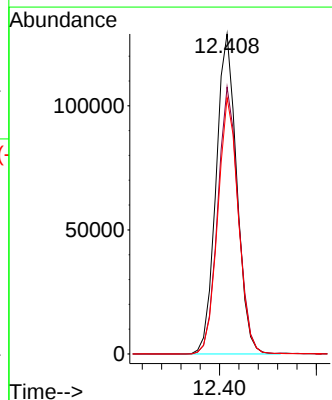
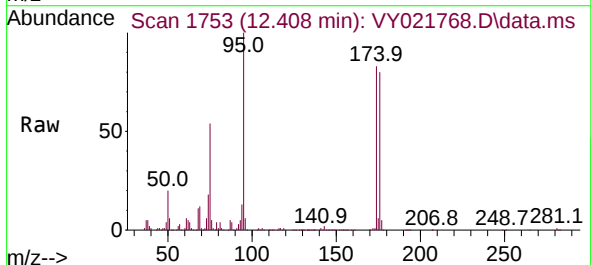
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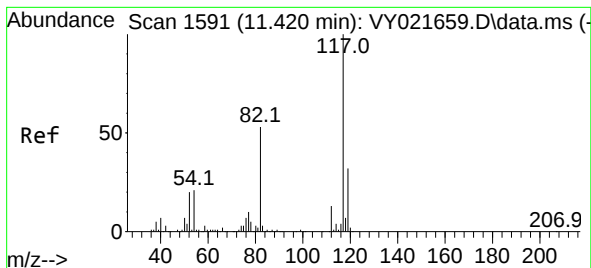
Tgt Ion: 98 Resp: 614928
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.478 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021768.D
Acq: 03 Apr 2025 13:10

Tgt Ion: 95 Resp: 191721
Ion Ratio Lower Upper
95 100
174 82.9 0.0 170.8
176 79.5 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021768.D

Acq: 03 Apr 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-040125

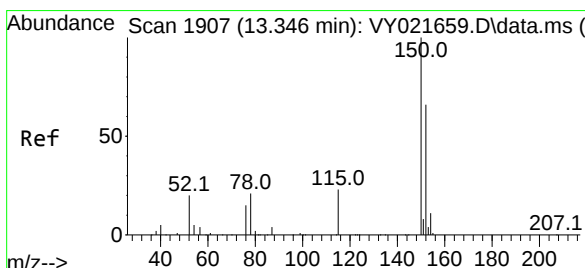
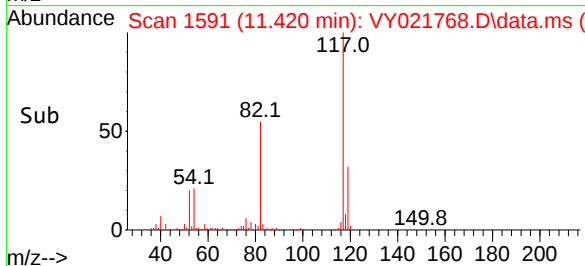
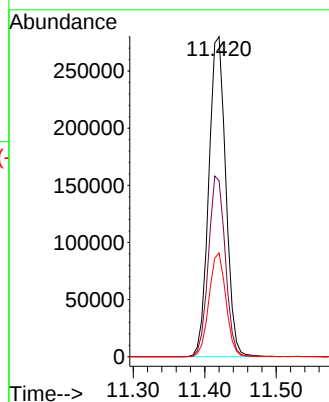
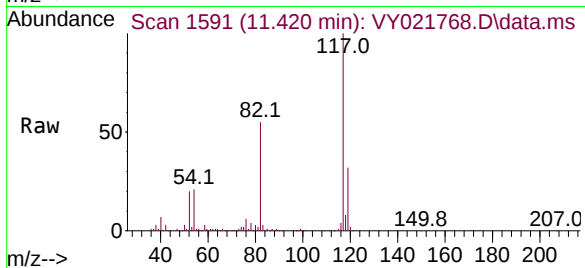
Tgt Ion:117 Resp: 462391

Ion Ratio Lower Upper

117 100

82 55.0 42.8 64.2

119 32.4 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021768.D

Acq: 03 Apr 2025 13:10

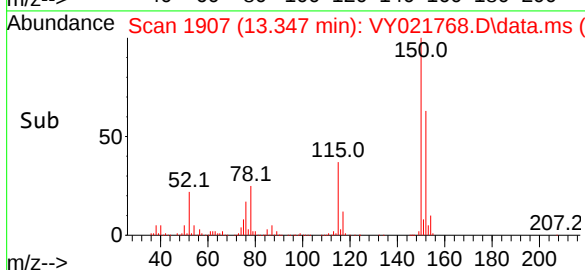
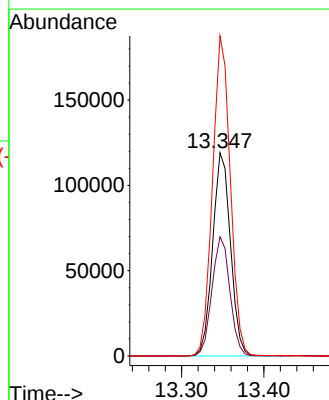
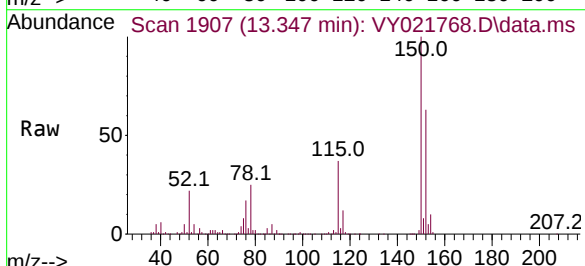
Tgt Ion:152 Resp: 179407

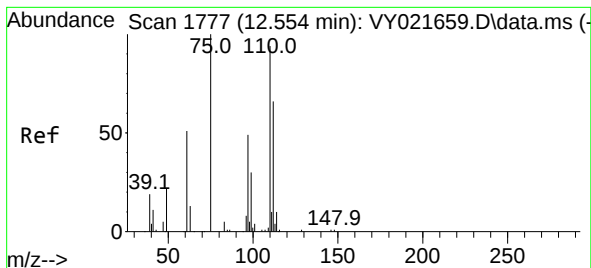
Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 157.1 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 57.363 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021768.D

Acq: 03 Apr 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

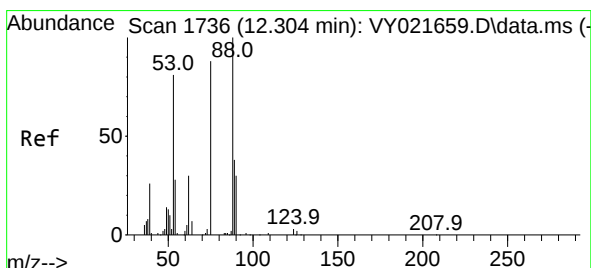
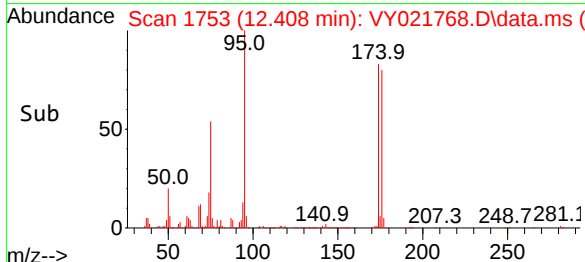
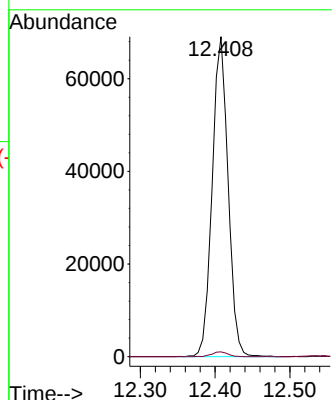
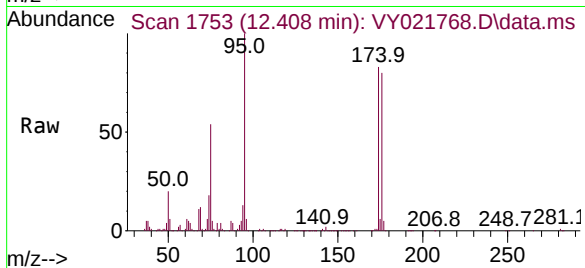
HR-02-040125

Tgt Ion: 75 Resp: 102013

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.173 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021768.D

Acq: 03 Apr 2025 13:10

Tgt Ion: 75 Resp: 102013

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.1 36.2 54.4#

