

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021351.D
 Acq On : 27 Feb 2025 12:28
 Operator : SY/MD
 Sample : Q1442-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 351

Quant Time: Feb 28 00:41:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

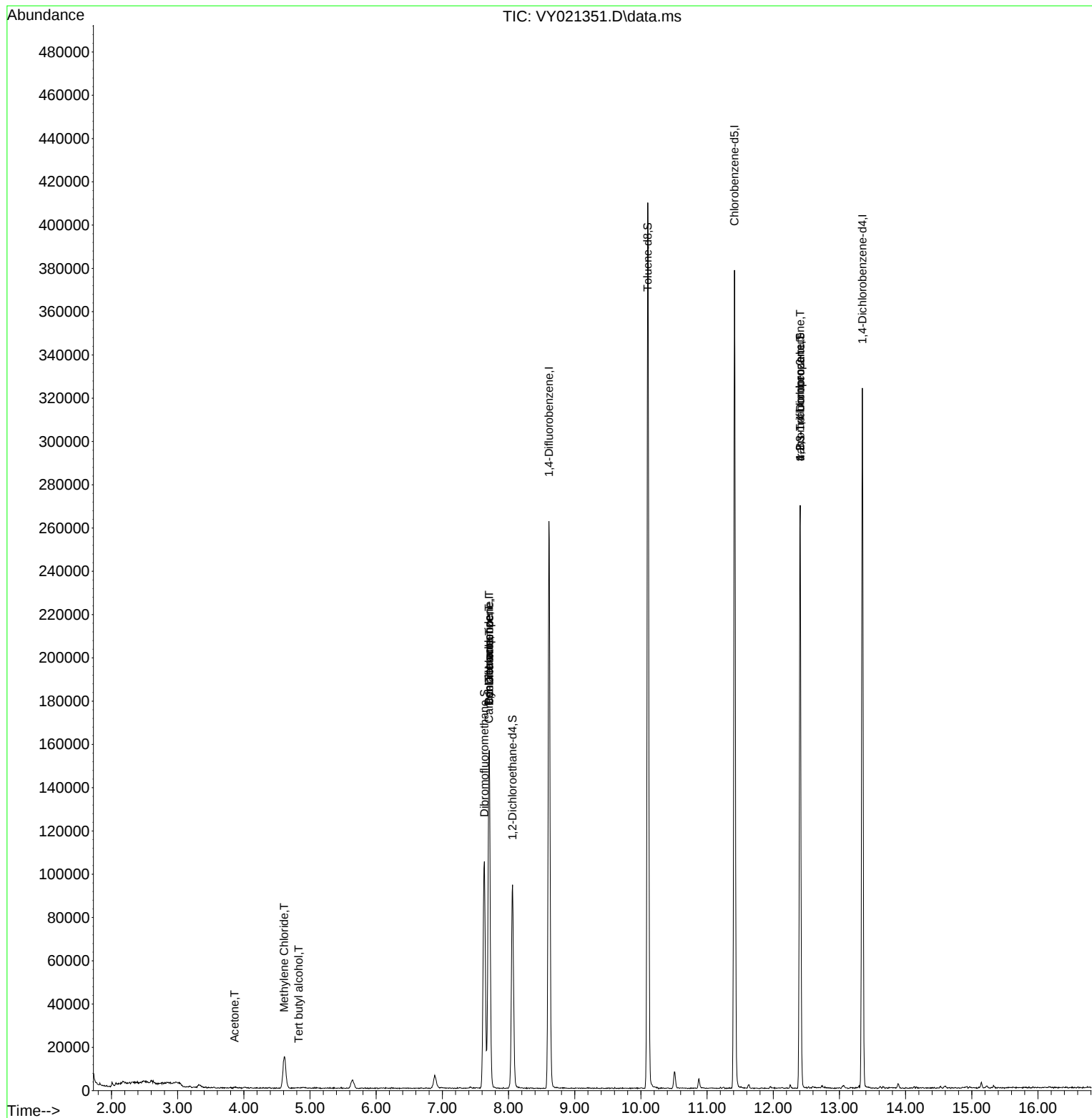
Internal Standards						
1) Pentafluorobenzene	7.707	168	118963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	213600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	193897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	79357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	76242	56.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.000%	
35) Dibromofluoromethane	7.634	113	74099	52.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.820%	
50) Toluene-d8	10.103	98	257396	47.559	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.120%	
62) 4-Bromofluorobenzene	12.408	95	79764	43.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	309	2.977	ug/l #	72
16) Acetone	3.860	43	308	1.190	ug/l #	45
20) Methylene Chloride	4.610	84	10933	7.810	ug/l	95
31) Cyclohexane	7.707	56	2837	1.192	ug/l #	24
36) 1,1-Dichloropropene	7.707	75	9588	4.558	ug/l #	51
38) Carbon Tetrachloride	7.701	117	12318	5.209	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	44371	55.860	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	44371	124.157	ug/l #	10

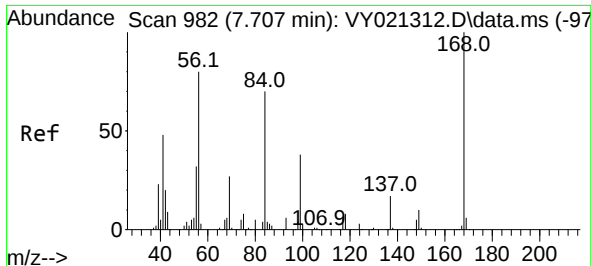
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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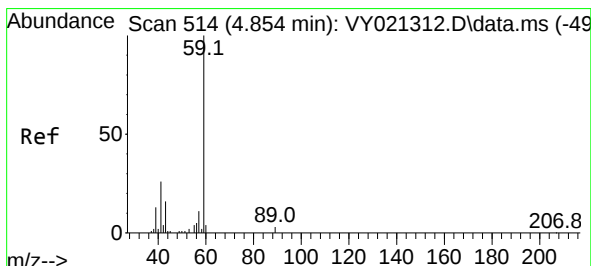
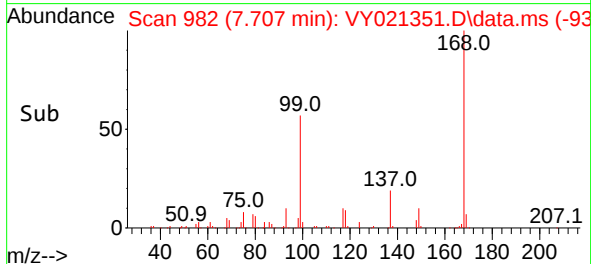
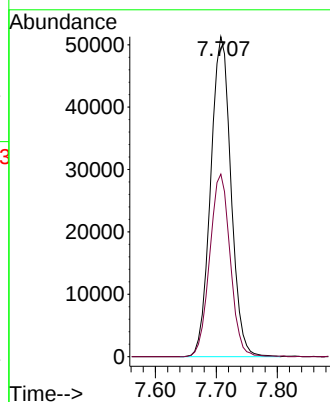
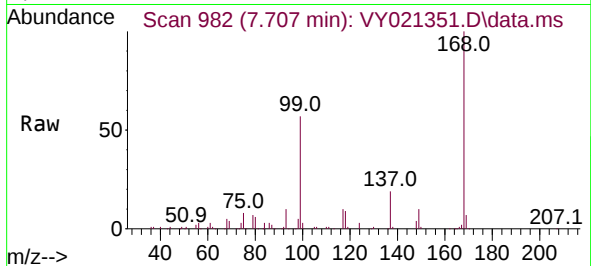




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021351.D
Acq: 27 Feb 2025 12:28

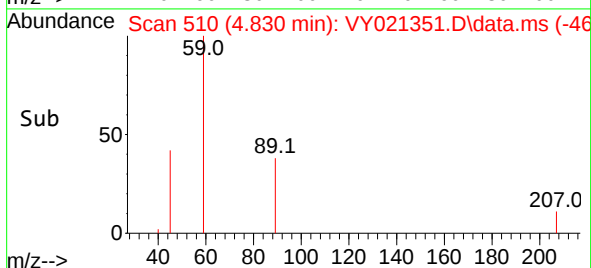
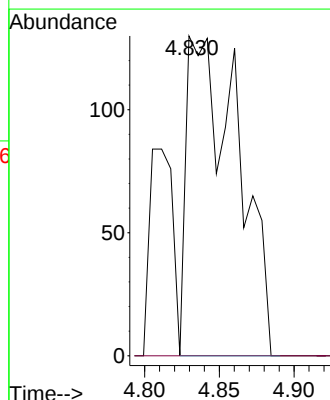
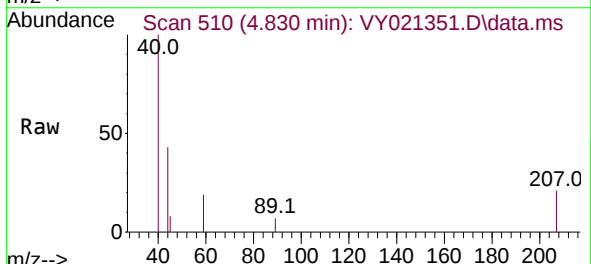
Instrument :
MSVOA_Y
ClientSampleId :
351

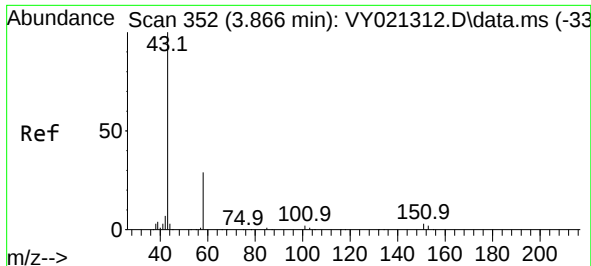
Tgt Ion:168 Resp: 118963
Ion Ratio Lower Upper
168 100
99 57.0 47.1 70.7



#11
Tert butyl alcohol
Concen: 2.977 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY021351.D
Acq: 27 Feb 2025 12:28

Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.190 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.006 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Instrument :

MSVOA_Y

ClientSampleId :

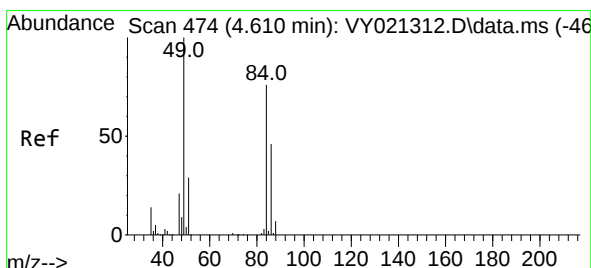
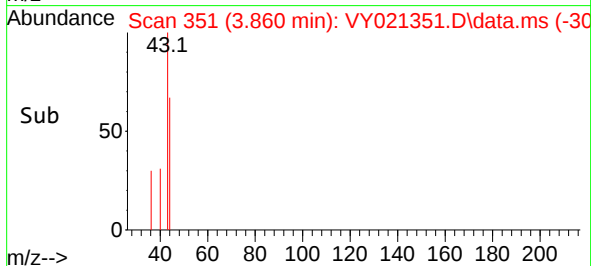
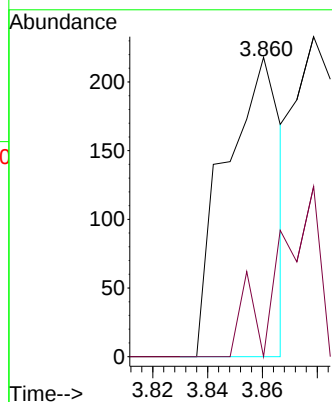
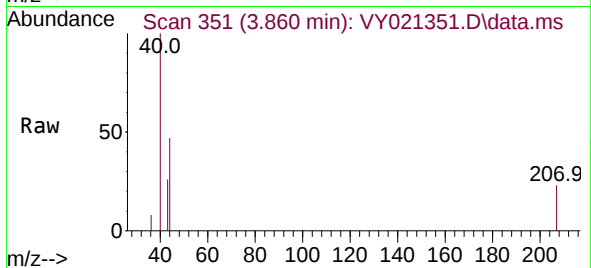
351

Tgt Ion: 43 Resp: 308

Ion Ratio Lower Upper

43 100

58 0.0 23.5 35.3#



#20

Methylene Chloride

Concen: 7.810 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Tgt Ion: 84 Resp: 10933

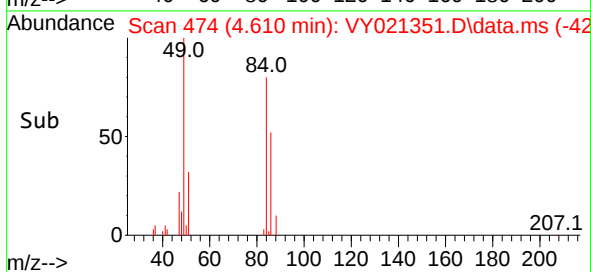
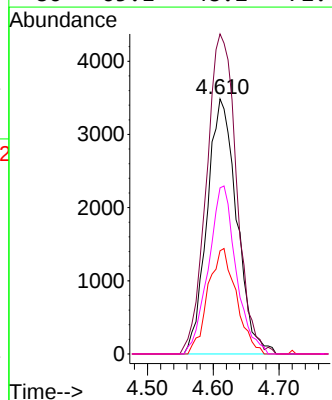
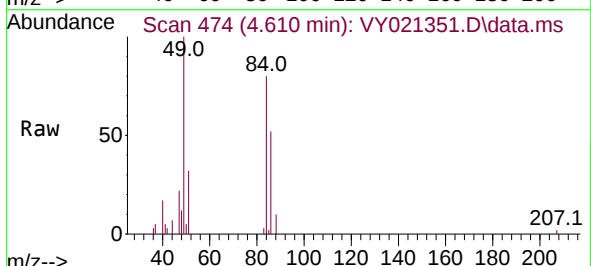
Ion Ratio Lower Upper

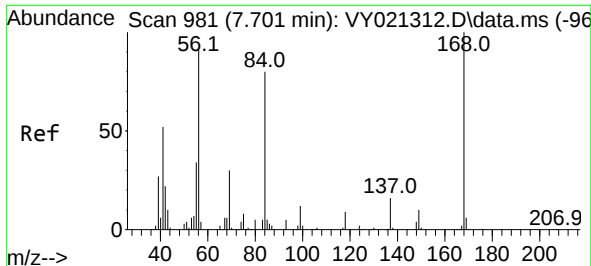
84 100

49 125.5 105.1 157.7

51 40.5 31.0 46.4

86 65.1 48.2 72.4

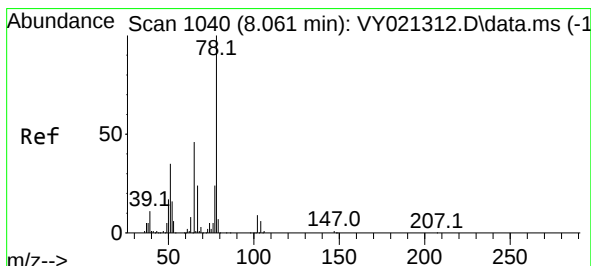
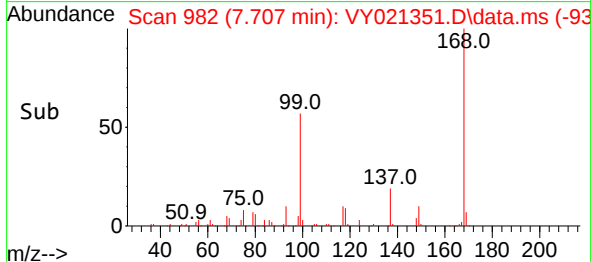
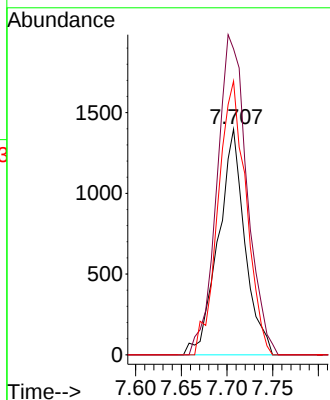
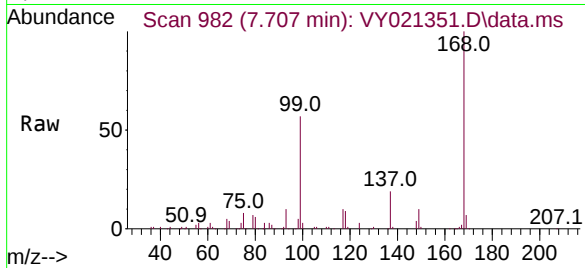




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021351.D
Acq: 27 Feb 2025 12:28

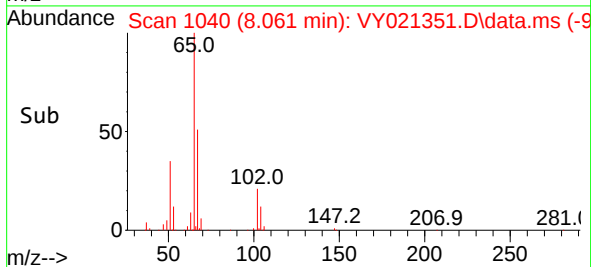
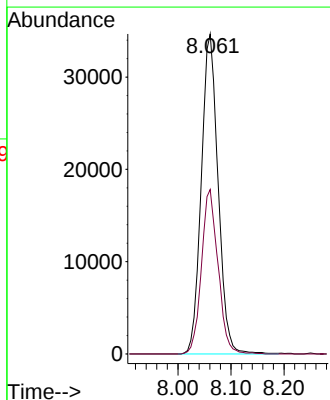
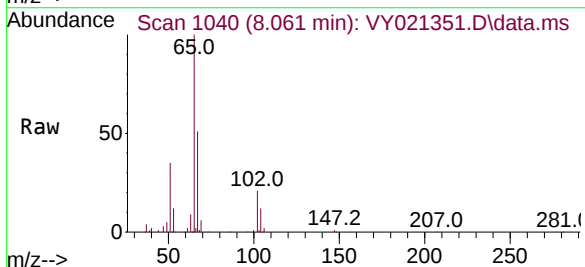
Instrument :
MSVOA_Y
ClientSampleId :
351

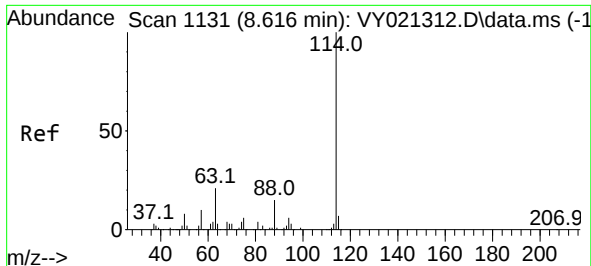
Tgt Ion: 56 Resp: 2837
Ion Ratio Lower Upper
56 100
69 135.6 26.2 39.4#
84 121.4 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 56.495 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021351.D
Acq: 27 Feb 2025 12:28

Tgt Ion: 65 Resp: 76242
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Instrument :

MSVOA_Y

ClientSampleId :

351

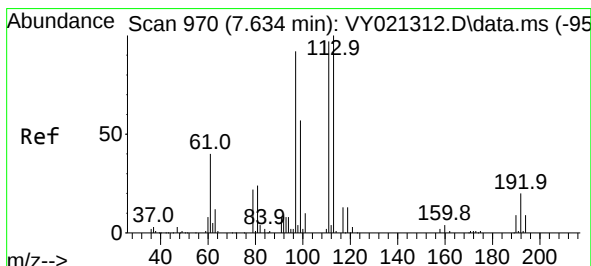
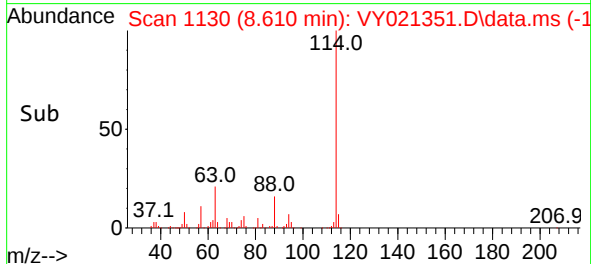
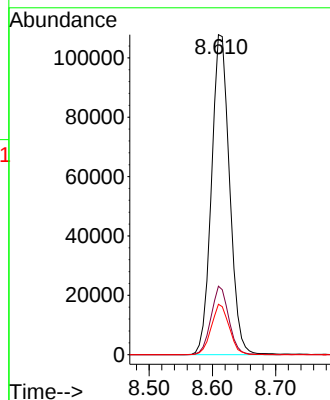
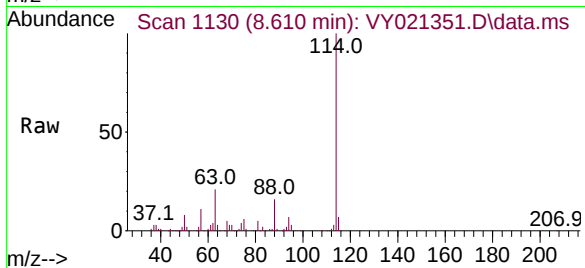
Tgt Ion:114 Resp: 213600

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.2

88 15.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.914 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

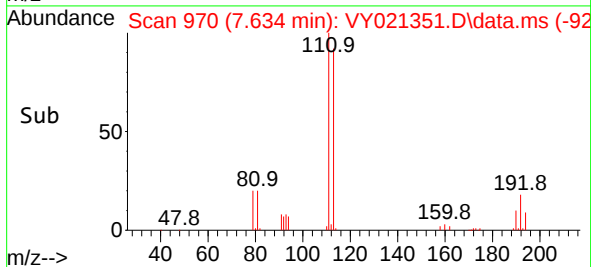
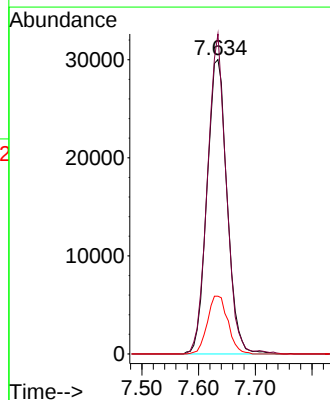
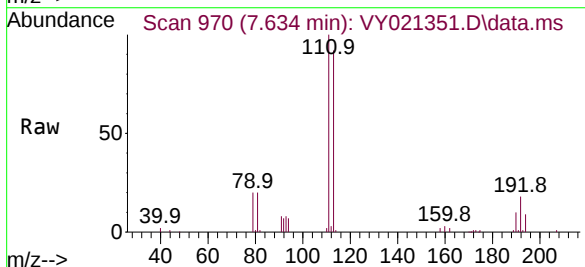
Tgt Ion:113 Resp: 74099

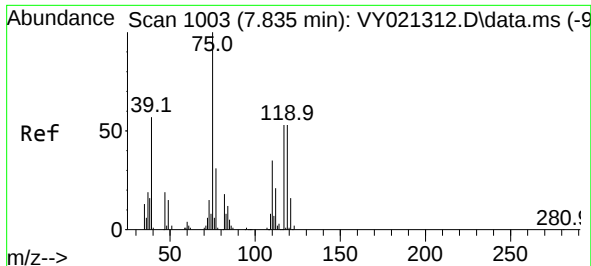
Ion Ratio Lower Upper

113 100

111 101.9 81.0 121.6

192 20.0 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.558 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Instrument :

MSVOA_Y

ClientSampleId :

351

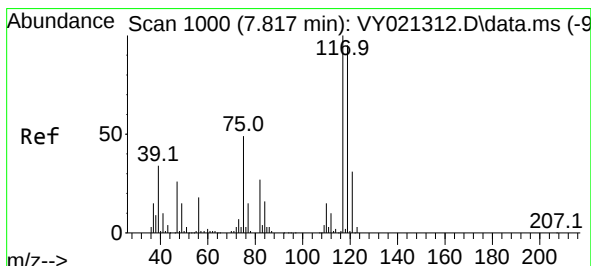
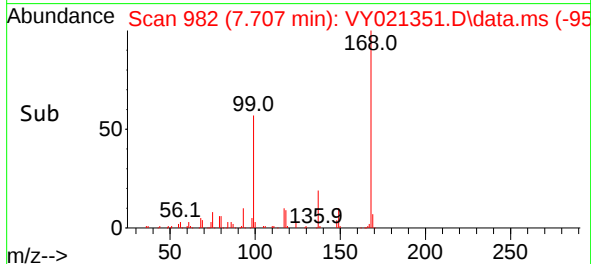
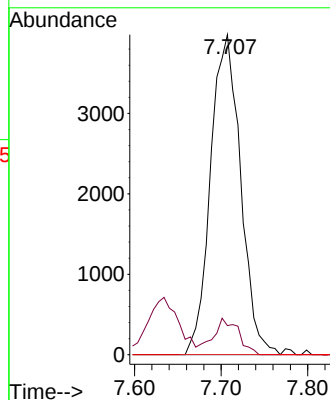
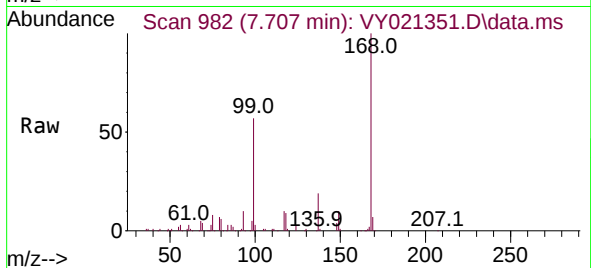
Tgt Ion: 75 Resp: 9588

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.209 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

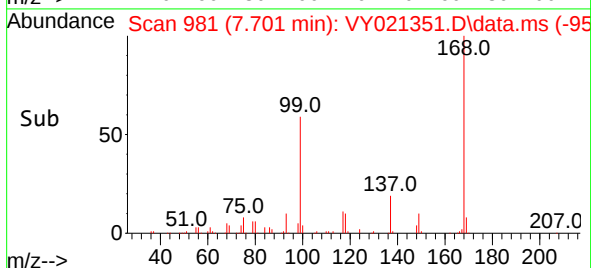
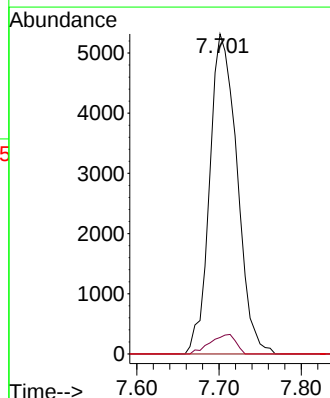
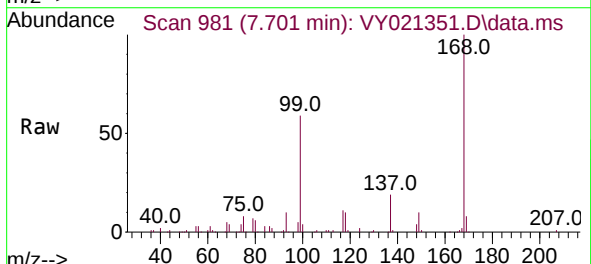
Tgt Ion: 117 Resp: 12318

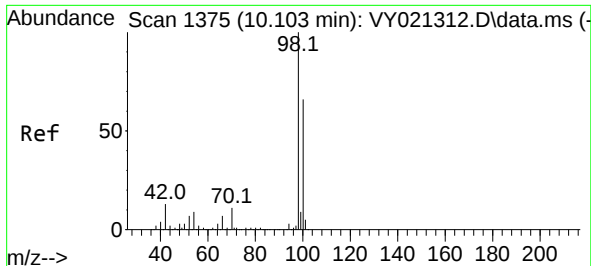
Ion Ratio Lower Upper

117 100

119 5.2 76.0 114.0#

121 0.0 24.9 37.3#

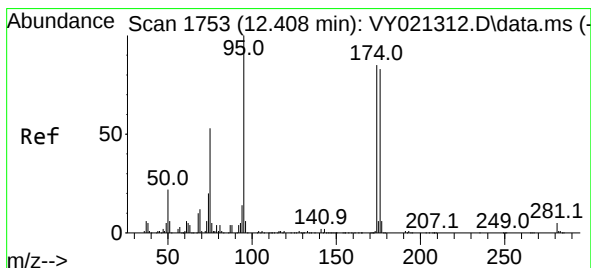
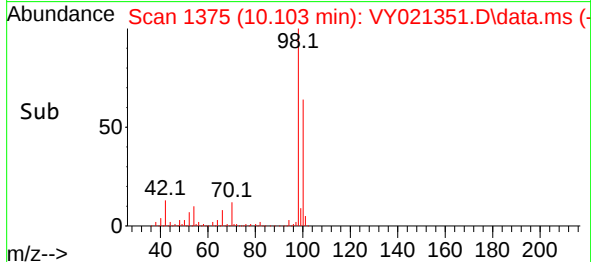
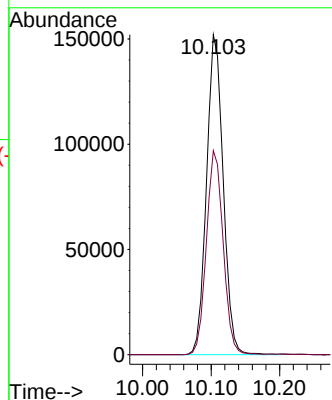
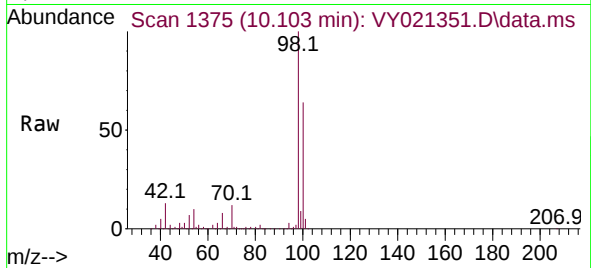




#50
Toluene-d8
Concen: 47.559 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021351.D
Acq: 27 Feb 2025 12:28

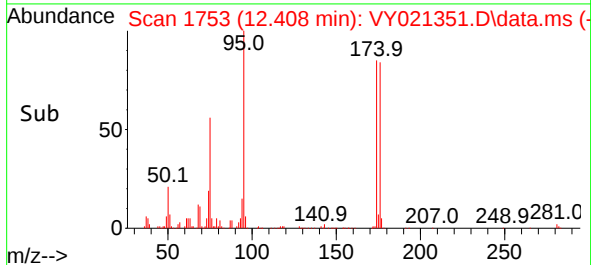
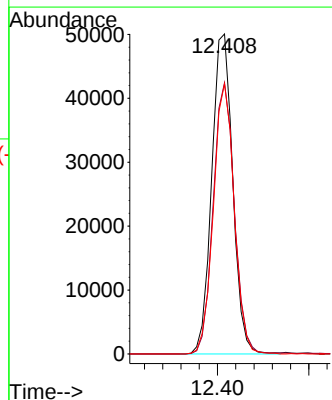
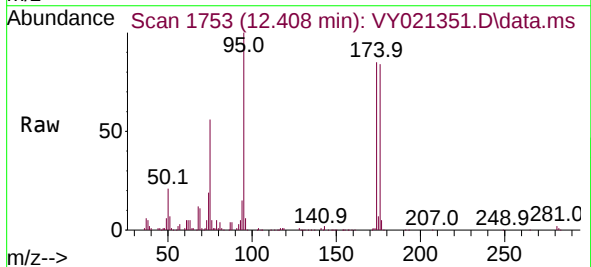
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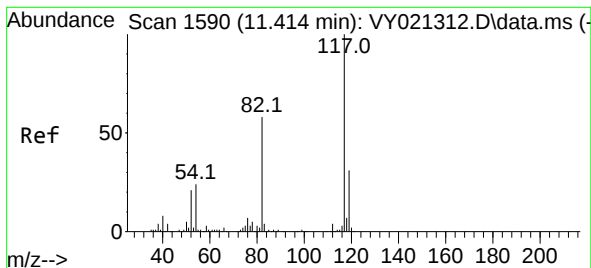
Tgt Ion: 98 Resp: 257396
Ion Ratio Lower Upper
98 100
100 64.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 43.793 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021351.D
Acq: 27 Feb 2025 12:28

Tgt Ion: 95 Resp: 79764
Ion Ratio Lower Upper
95 100
174 85.0 0.0 168.0
176 83.8 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Instrument :

MSVOA_Y

ClientSampleId :

351

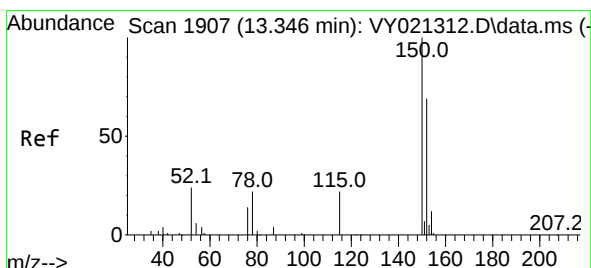
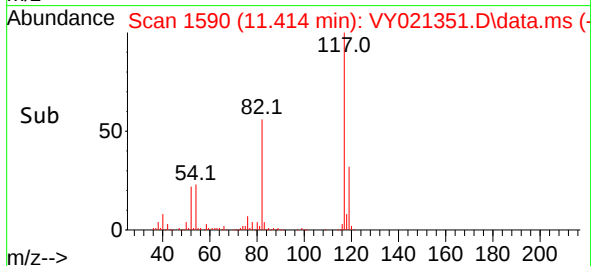
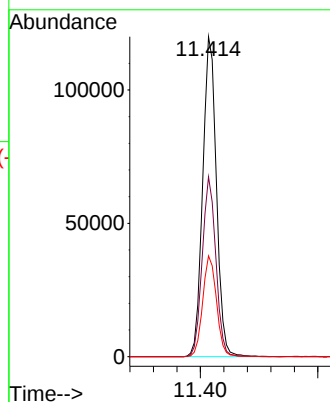
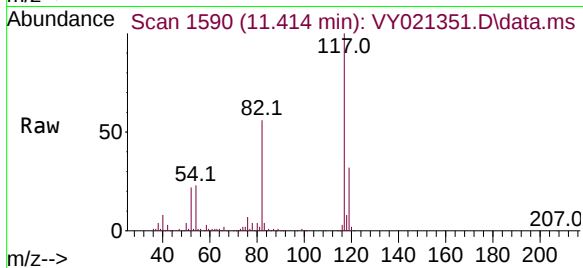
Tgt Ion:117 Resp: 193897

Ion Ratio Lower Upper

117 100

82 56.2 46.2 69.4

119 31.5 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

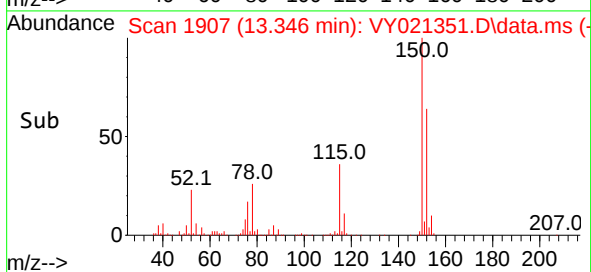
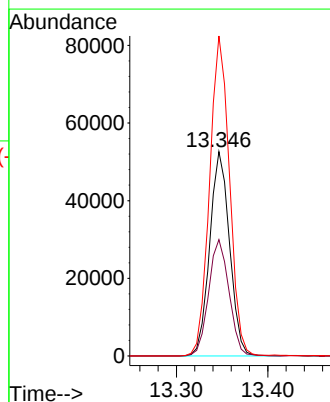
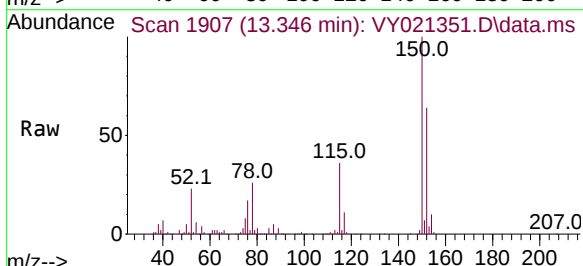
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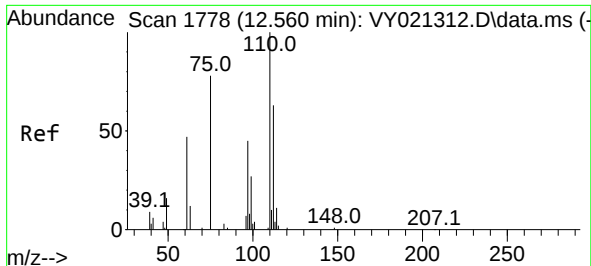
Ion Ratio Lower Upper

152 100

115 58.4 29.3 88.0

150 156.4 0.0 347.4

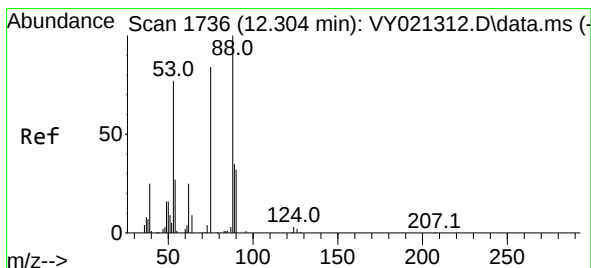
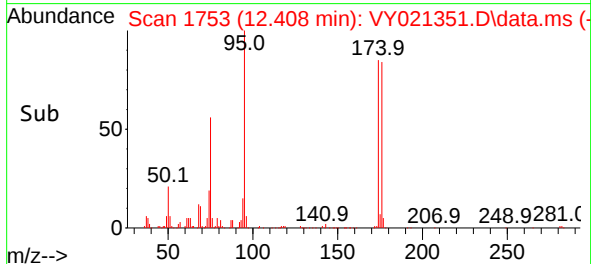
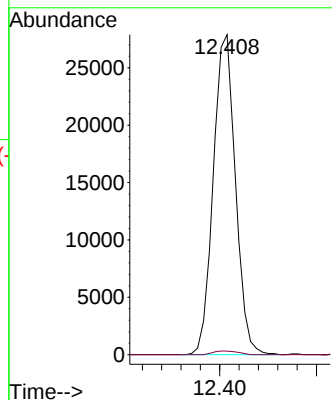
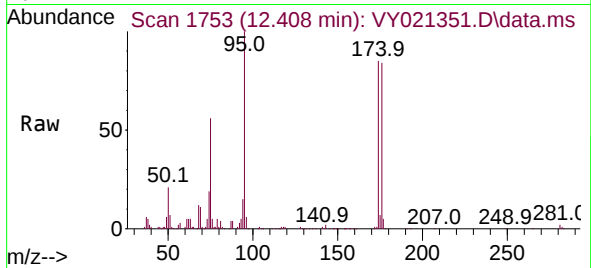




#76
1,2,3-Trichloropropane
Concen: 55.860 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021351.D
Acq: 27 Feb 2025 12:28

Instrument :
MSVOA_Y
ClientSampleId :
351

Tgt Ion: 75 Resp: 44371
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.157 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021351.D
Acq: 27 Feb 2025 12:28

Tgt Ion: 75 Resp: 44371
Ion Ratio Lower Upper
75 100
53 0.1 79.1 118.7#
89 0.0 35.6 53.4#

