

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022155.D
 Acq On : 05 May 2025 13:34
 Operator : SY/MD
 Sample : Q1938-02
 Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOWER-WALL-PILE-A

Quant Time: May 06 05:21:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

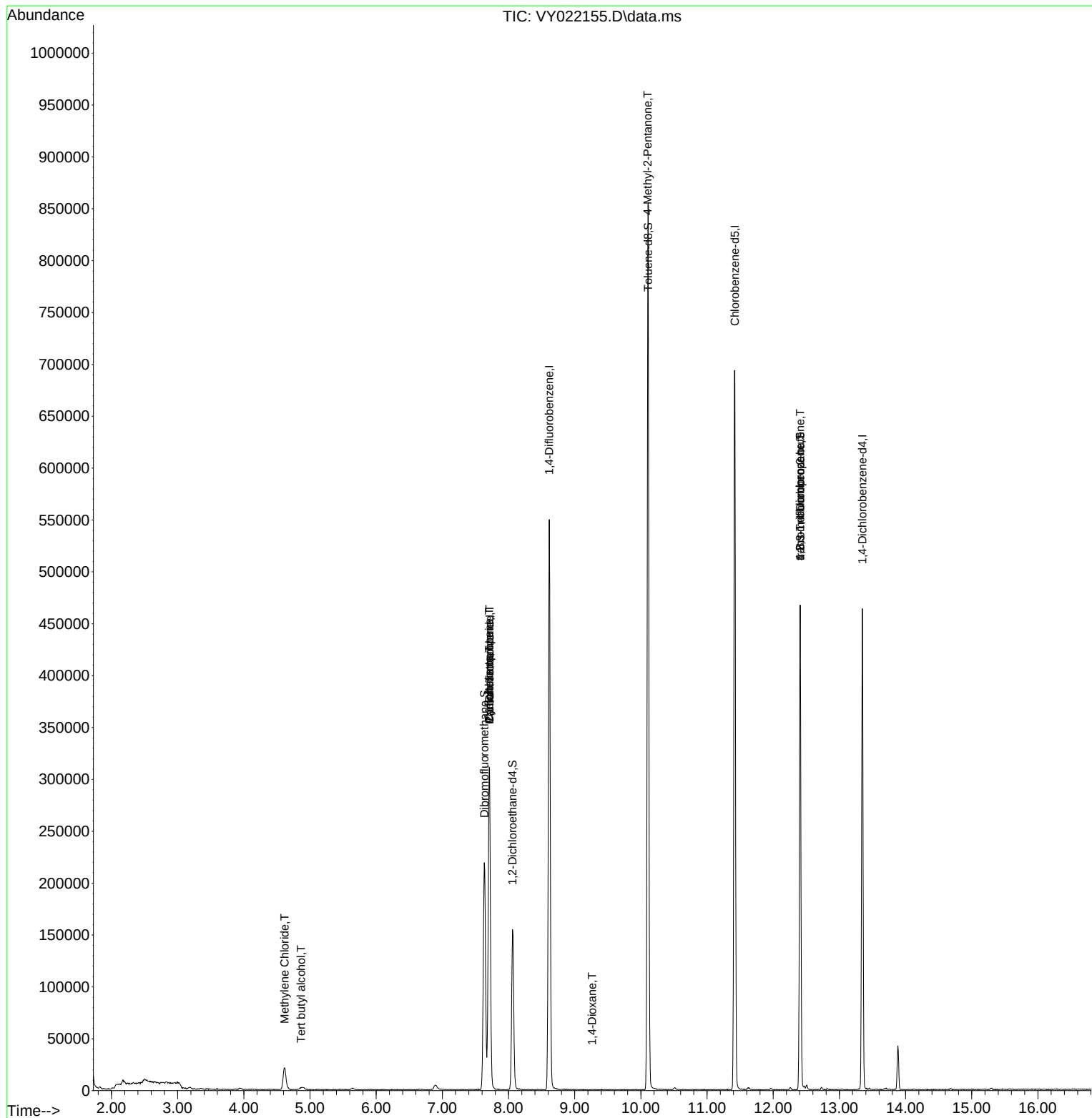
Internal Standards						
1) Pentafluorobenzene	7.713	168	246990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	470540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	392719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121439	53.230	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.460%	
35) Dibromofluoromethane	7.634	113	157388	50.629	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.260%	
50) Toluene-d8	10.109	98	566675	48.353	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.700%	
62) 4-Bromofluorobenzene	12.408	95	133468	33.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 67.660%	
Target Compounds						
11) Tert butyl alcohol	4.866	59	3910	31.218	ug/l #	79
16) Acetone	3.866	43	686	Below Cal	#	41
20) Methylene Chloride	4.616	84	16488	5.716	ug/l	95
31) Cyclohexane	7.707	56	5159	1.368	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	18604	4.455	ug/l #	48
38) Carbon Tetrachloride	7.713	117	25142	5.039	ug/l #	18
49) 1,4-Dioxane	9.262	88	22	1.142	ug/l #	28
51) 4-Methyl-2-Pentanone	10.103	43	2069	1.370	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	67302	66.171	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	67302	159.350	ug/l #	16

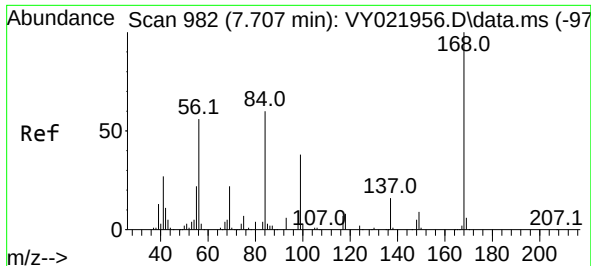
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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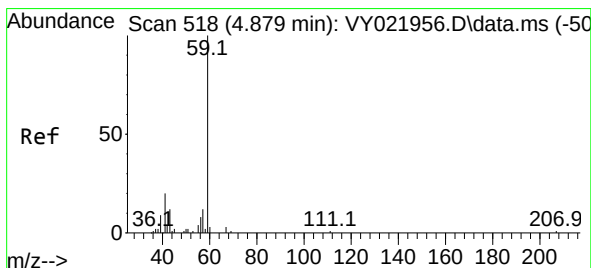
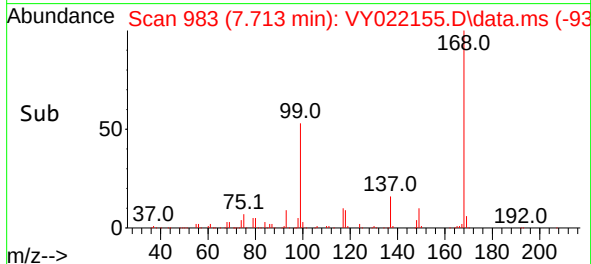
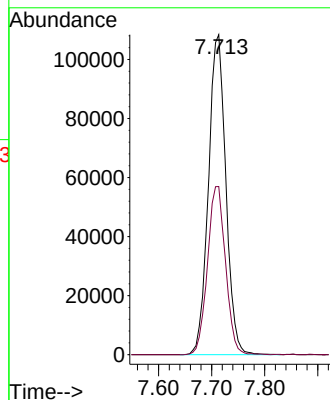
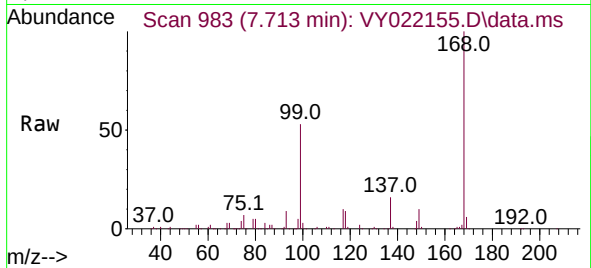




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

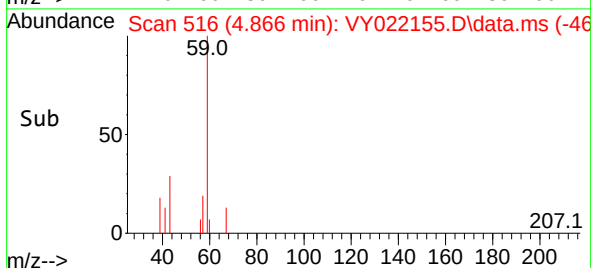
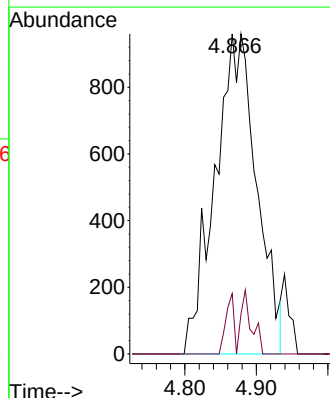
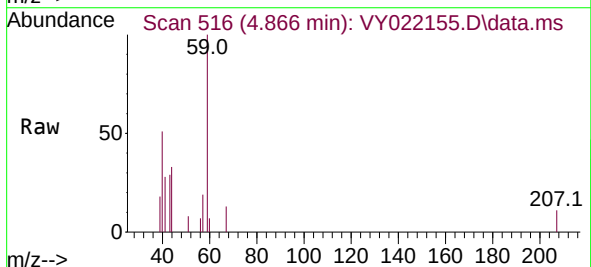
Instrument :
MSVOA_Y
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LOWER-WALL-PILE-A

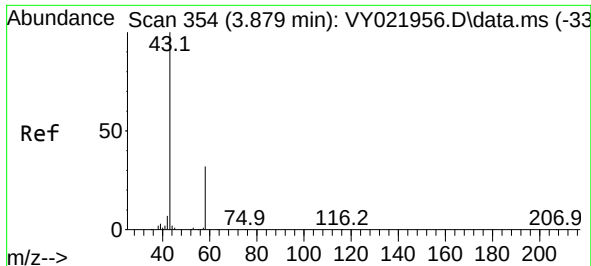
Tgt Ion:168 Resp: 246990
Ion Ratio Lower Upper
168 100
99 52.6 43.1 64.7



#11
Tert butyl alcohol
Concen: 31.218 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

Tgt Ion: 59 Resp: 3910
Ion Ratio Lower Upper
59 100
57 3.6 9.3 13.9#

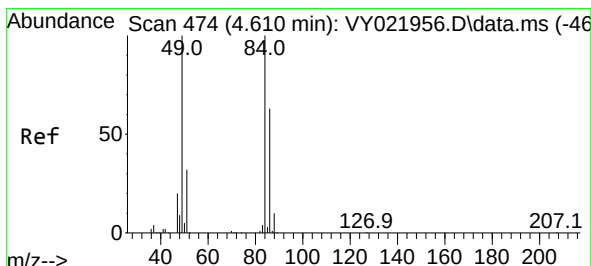
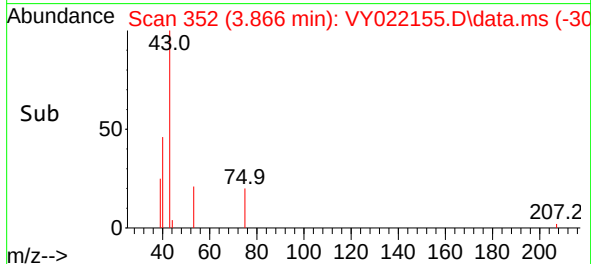
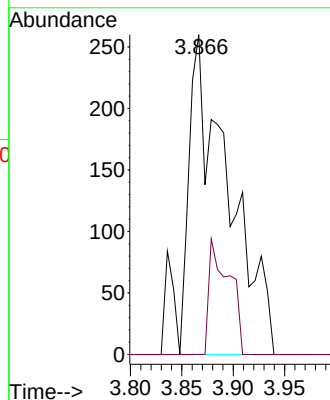
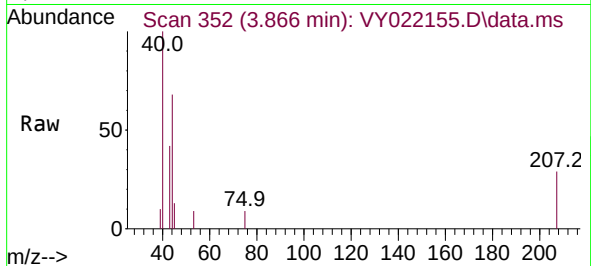




#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 31
Delta R.T. -0.013 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

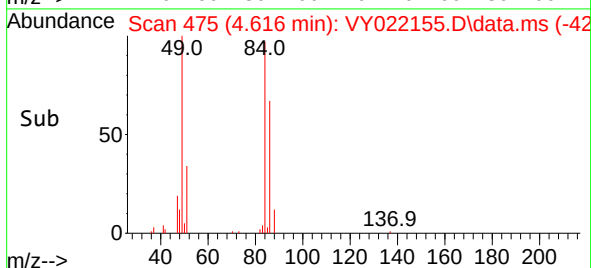
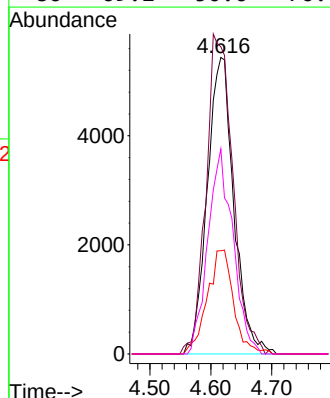
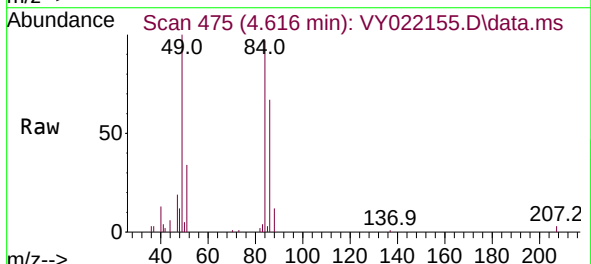
Instrument :
MSVOA_Y
ClientSampleId :
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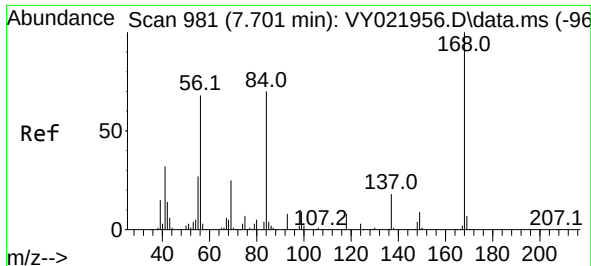
Tgt Ion: 43 Resp: 686
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#20
Methylene Chloride
Concen: 5.716 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

Tgt Ion: 84 Resp: 16488
Ion Ratio Lower Upper
84 100
49 103.6 79.9 119.9
51 34.8 25.4 38.0
86 69.2 50.6 76.0

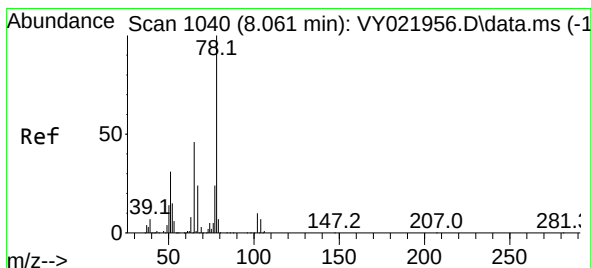
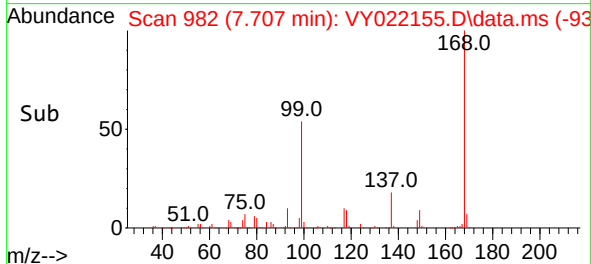
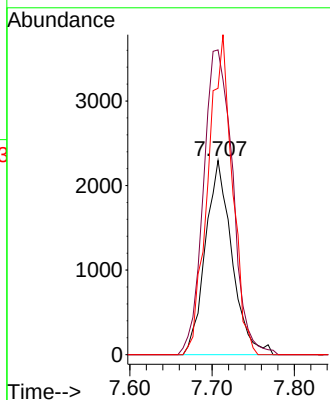
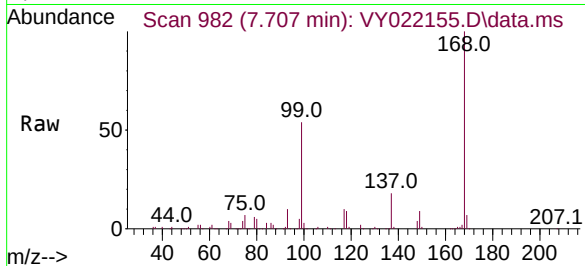




#31
Cyclohexane
Concen: 1.368 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

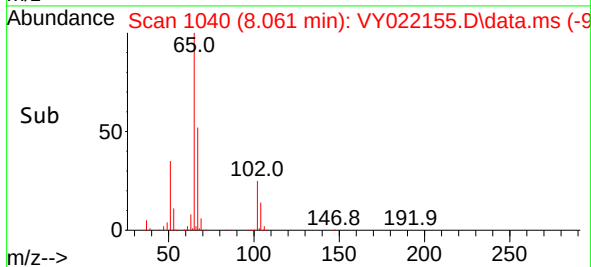
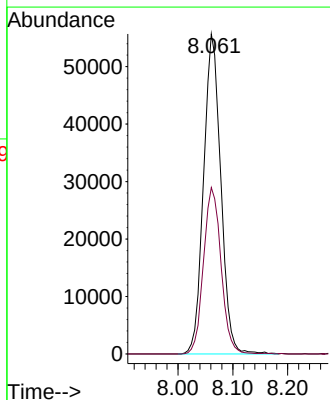
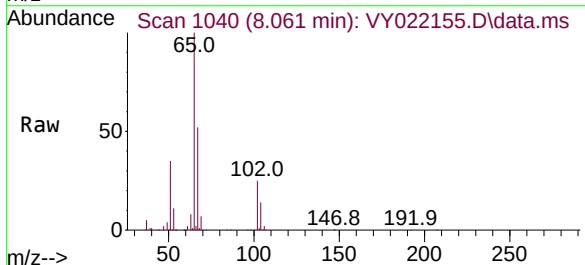
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-A

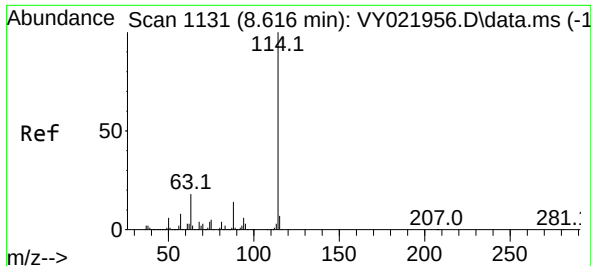
Tgt Ion: 56 Resp: 5159
Ion Ratio Lower Upper
56 100
69 157.0 29.4 44.2#
84 137.2 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 53.230 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

Tgt Ion: 65 Resp: 121439
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022155.D

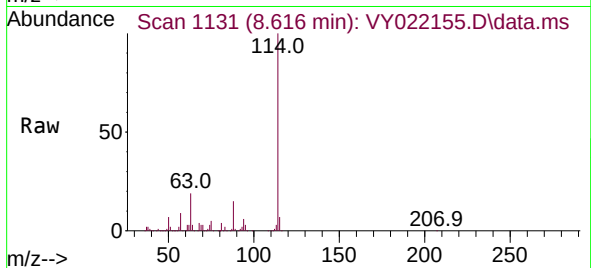
Acq: 05 May 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-A



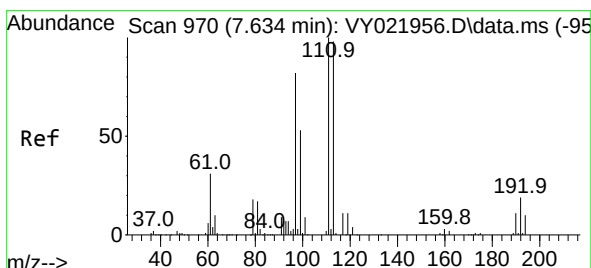
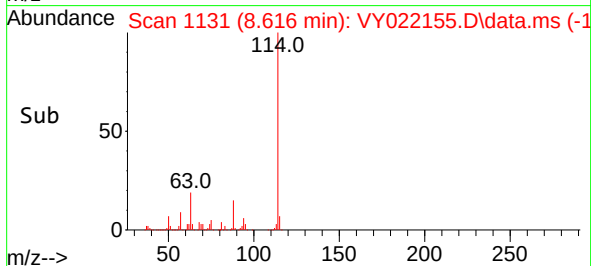
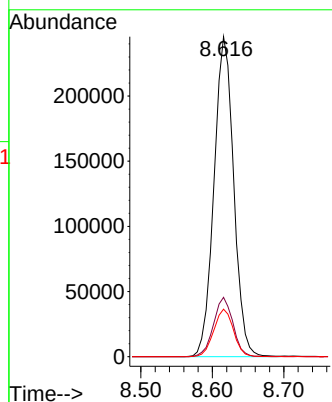
Tgt Ion:114 Resp: 470540

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.629 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022155.D

Acq: 05 May 2025 13:34

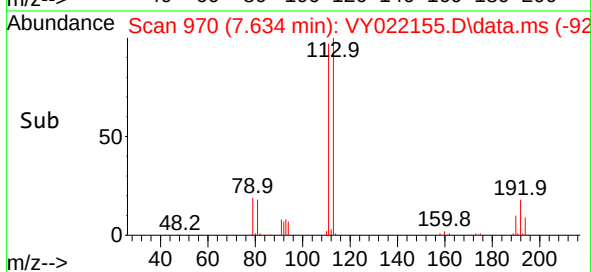
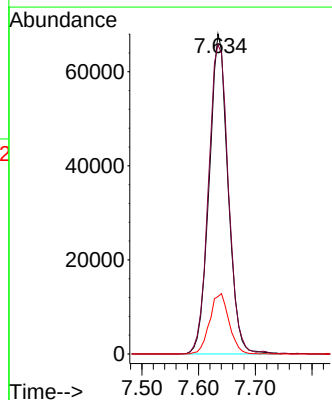
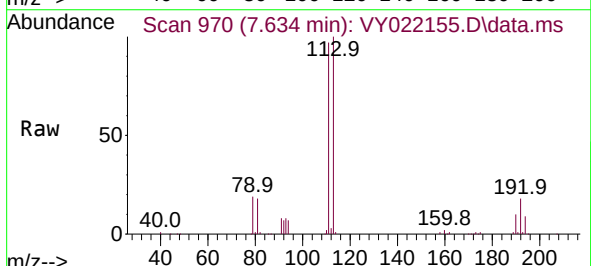
Tgt Ion:113 Resp: 157388

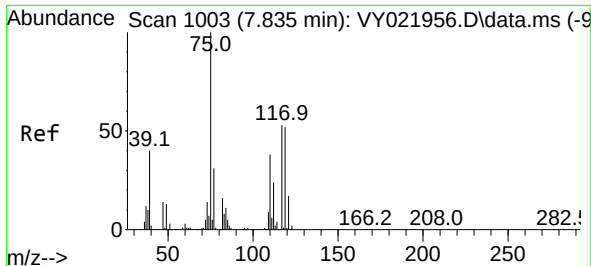
Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

192 19.4 15.6 23.4

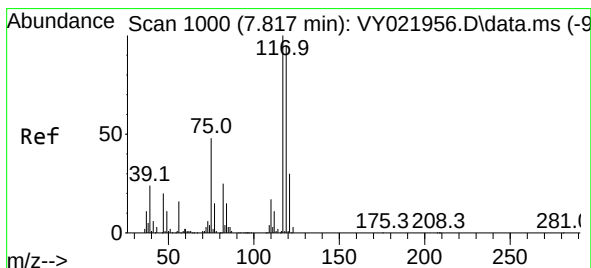
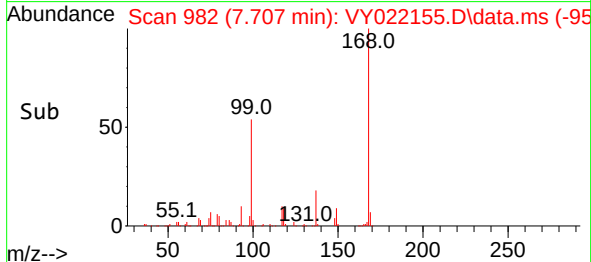
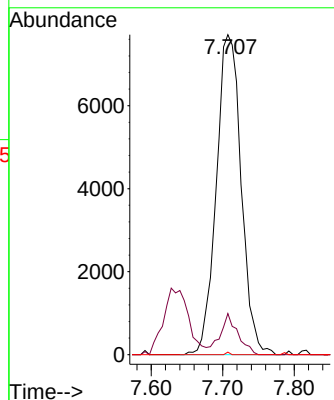
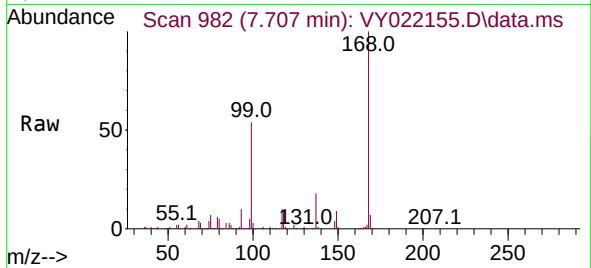




#36
 1,1-Dichloropropene
 Concen: 4.455 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY022155.D
 Acq: 05 May 2025 13:34

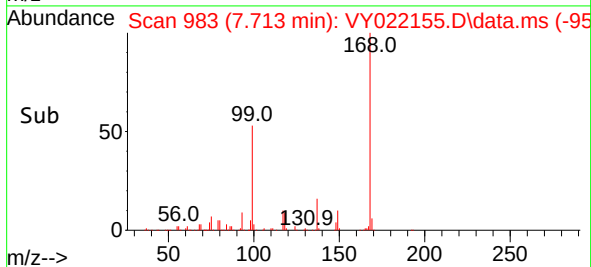
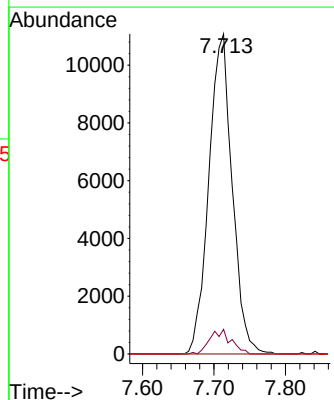
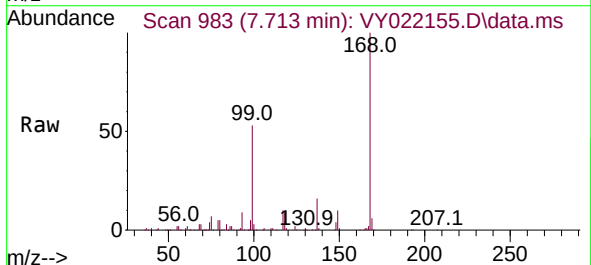
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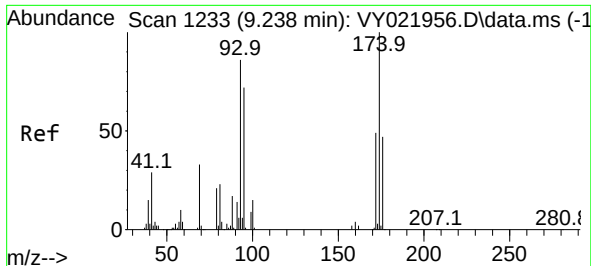
Tgt Ion: 75 Resp: 18604
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.1 57.3#
 77 0.1 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 5.039 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.104 min
 Lab File: VY022155.D
 Acq: 05 May 2025 13:34

Tgt Ion: 117 Resp: 25142
 Ion Ratio Lower Upper
 117 100
 119 7.7 76.2 114.4#
 121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.142 ug/l

RT: 9.262 min Scan# 11

Delta R.T. 0.024 min

Lab File: VY022155.D

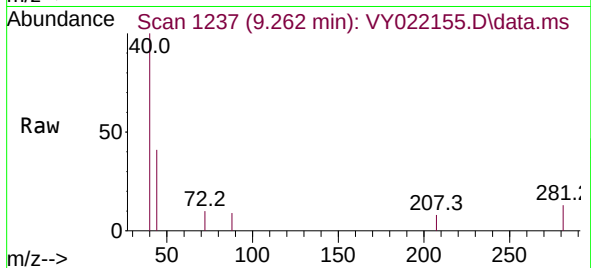
Acq: 05 May 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-A



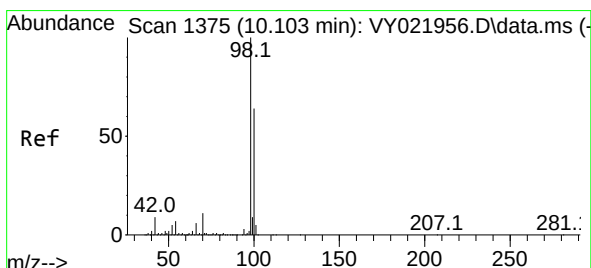
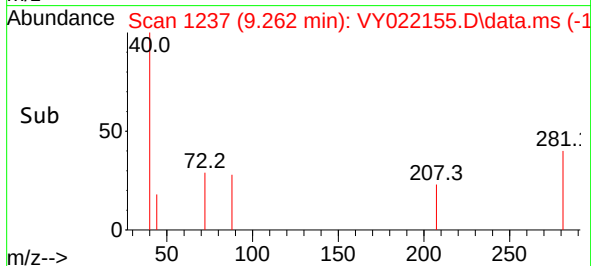
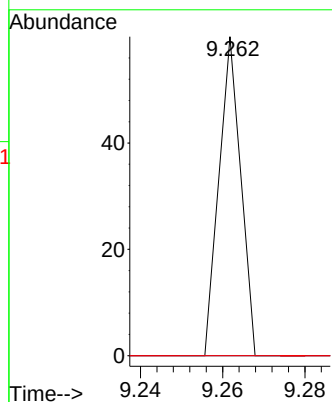
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 21.3 31.9#

58 0.0 50.5 75.7#



#50

Toluene-d8

Concen: 48.353 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022155.D

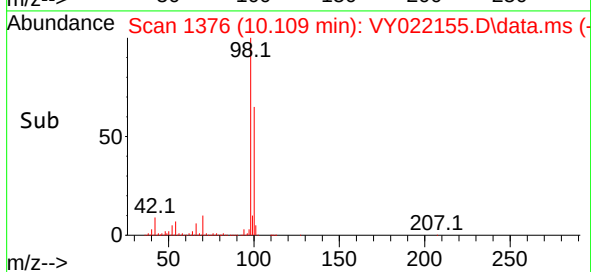
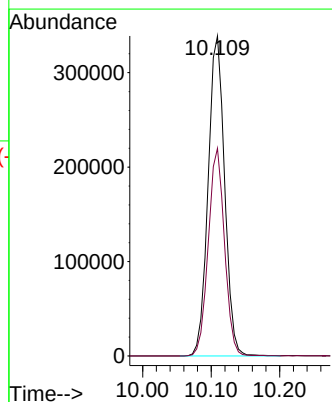
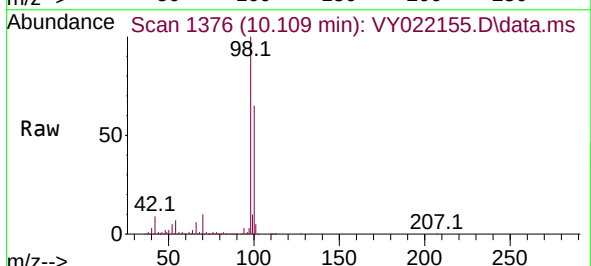
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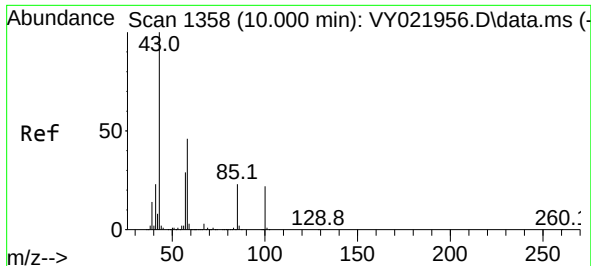
Tgt Ion: 98 Resp: 566675

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4

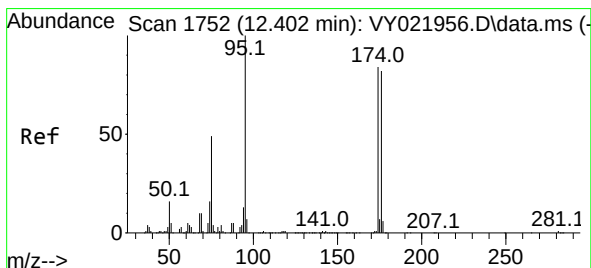
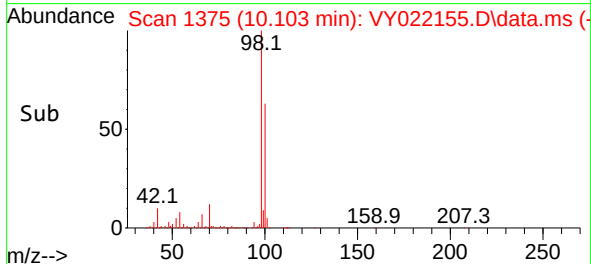
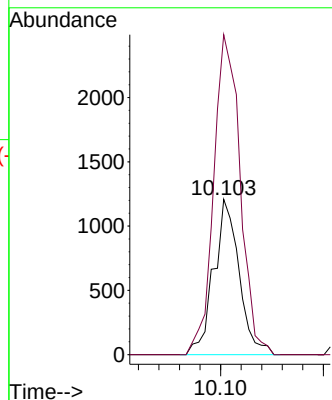
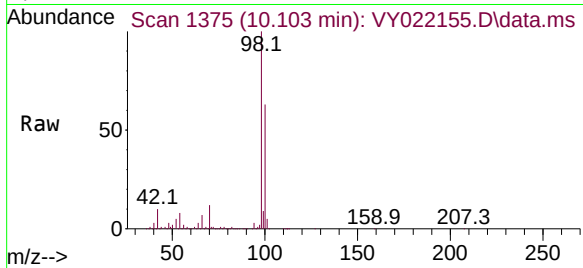




#51
4-Methyl-2-Pentanone
Concen: 1.370 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

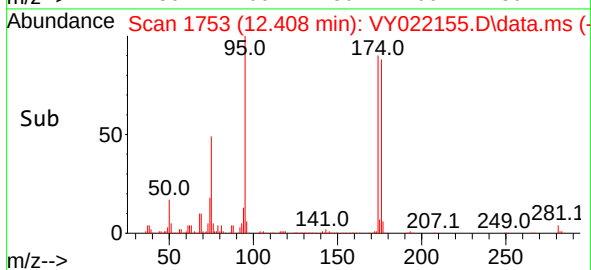
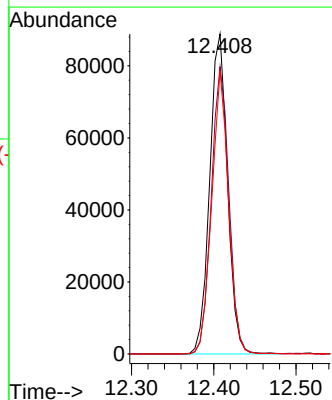
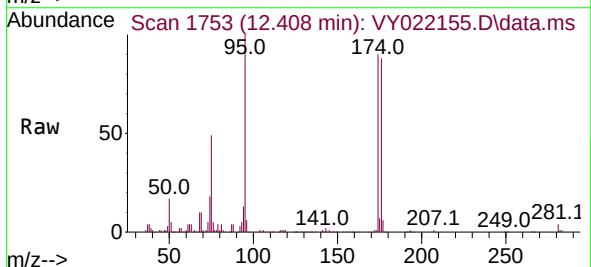
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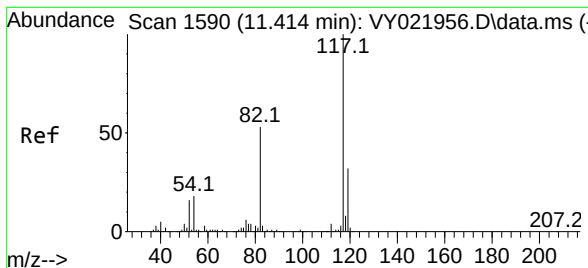
Tgt Ion: 43 Resp: 2069
Ion Ratio Lower Upper
43 100
58 215.2 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 33.830 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

Tgt Ion: 95 Resp: 133468
Ion Ratio Lower Upper
95 100
174 89.2 0.0 179.0
176 83.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022155.D

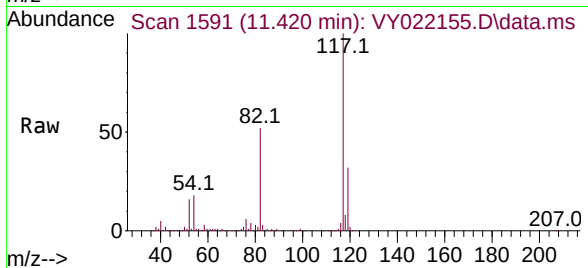
Acq: 05 May 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-A



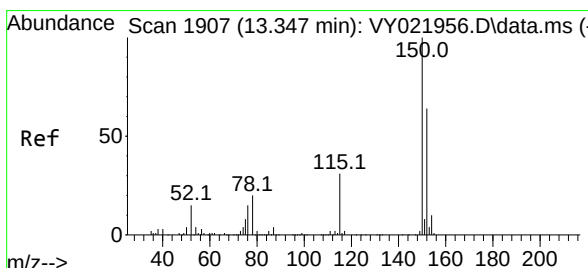
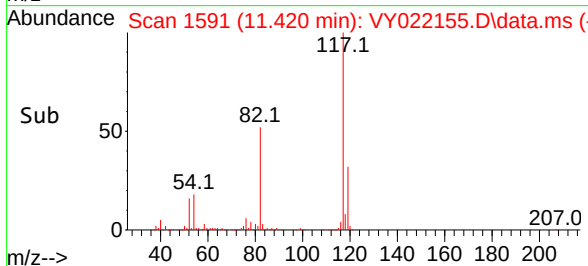
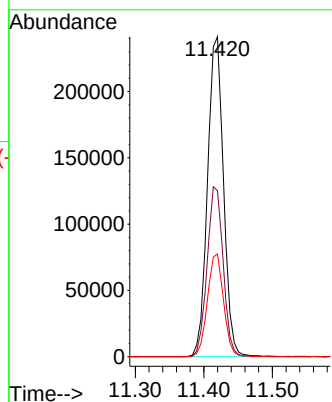
Tgt Ion:117 Resp: 392719

Ion Ratio Lower Upper

117 100

82 51.9 42.1 63.1

119 32.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022155.D

Acq: 05 May 2025 13:34

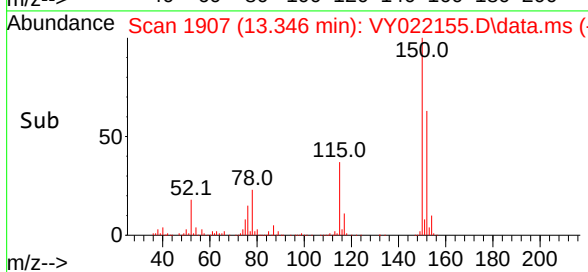
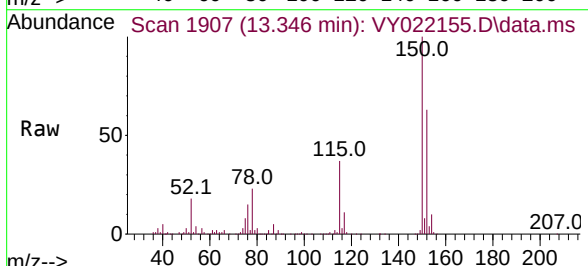
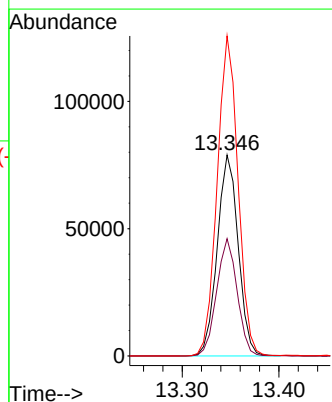
Tgt Ion:152 Resp: 118743

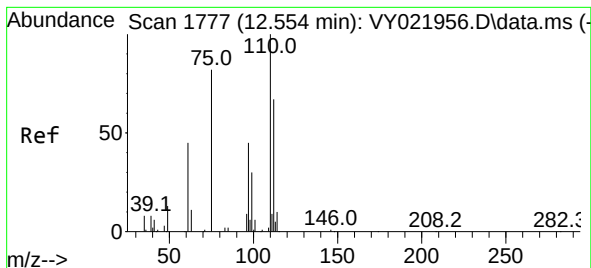
Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 158.3 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 66.171 ug/l

RT: 12.408 min Scan# 1777

Delta R.T. -0.146 min

Lab File: VY022155.D

Acq: 05 May 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

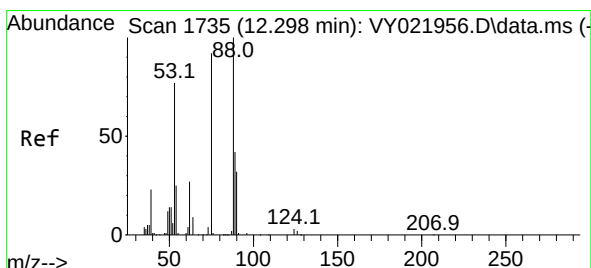
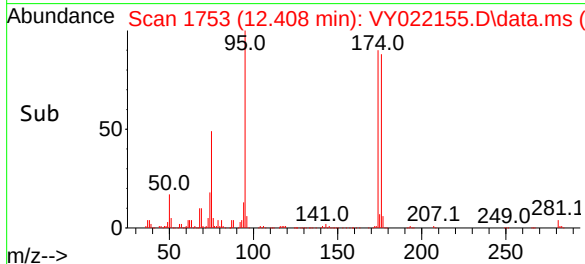
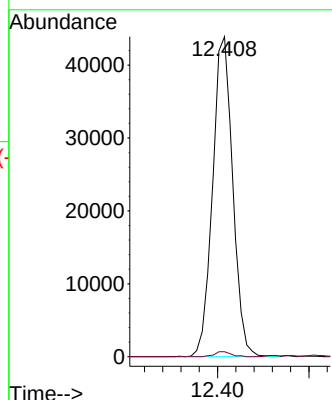
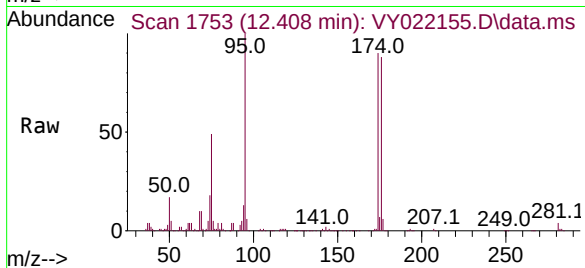
LOWER-WALL-PILE-A

Tgt Ion: 75 Resp: 67302

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 159.350 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY022155.D

Acq: 05 May 2025 13:34

Tgt Ion: 75 Resp: 67302

Ion Ratio Lower Upper

75 100

53 0.1 66.0 99.0#

89 0.1 37.2 55.8#

