

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023150.D
 Acq On : 19 Aug 2025 14:51
 Operator : SY/MD
 Sample : Q2879-05
 Misc : 3.73g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP05-081425

Quant Time: Aug 20 01:30:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

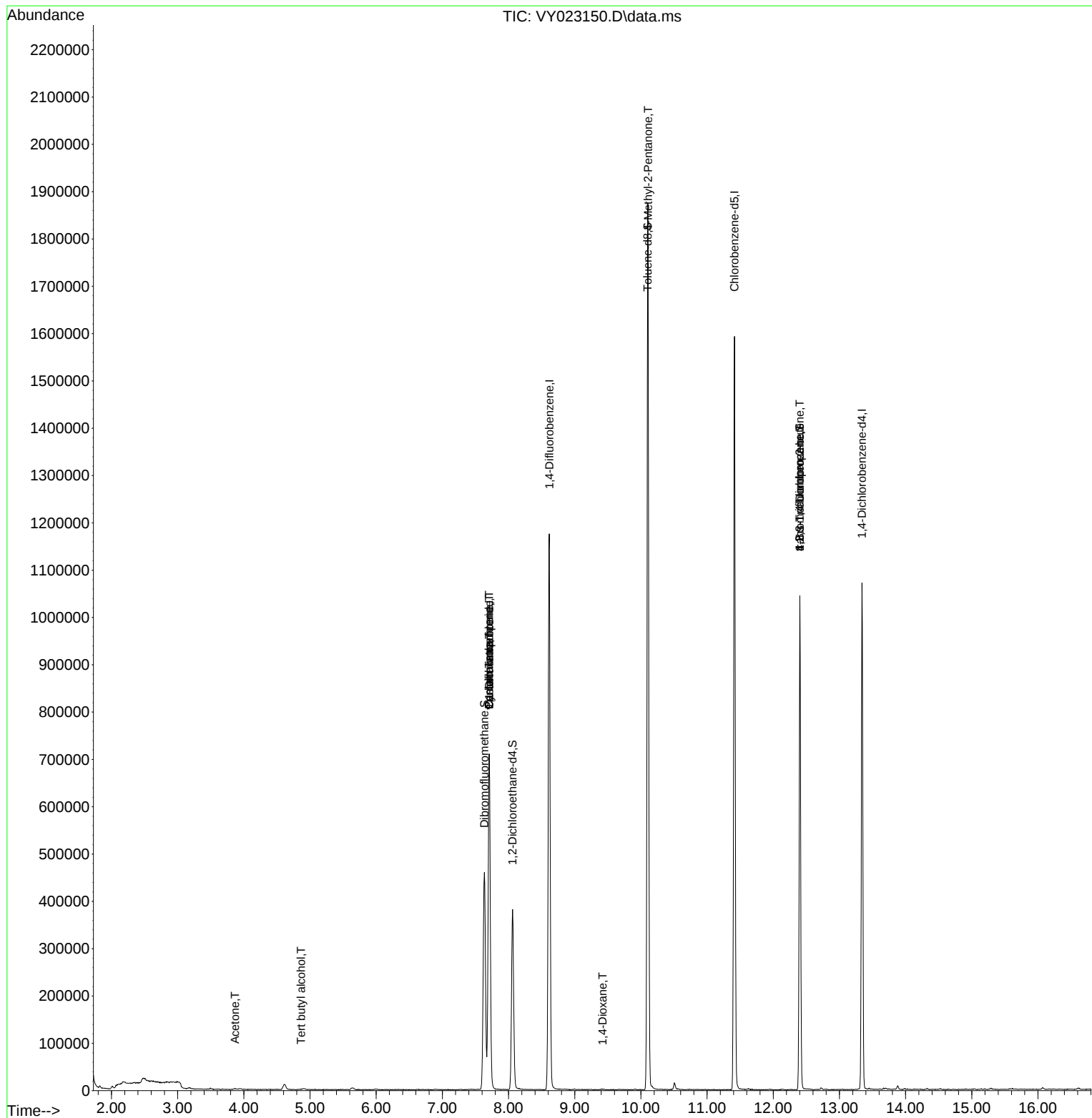
Internal Standards						
1) Pentafluorobenzene	7.707	168	558865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1034291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	843743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	273835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	296683	55.701	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.400%
35) Dibromofluoromethane	7.634	113	332427	53.714	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.420%
50) Toluene-d8	10.103	98	1206250	49.892	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.780%
62) 4-Bromofluorobenzene	12.401	95	303173	38.991	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	538	1.474	ug/l #	71
16) Acetone	3.866	43	2756	2.388	ug/l #	74
20) Methylene Chloride	4.616	84	8642	Below Cal	#	84
31) Cyclohexane	7.707	56	11465	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	42819	4.655	ug/l #	49
38) Carbon Tetrachloride	7.707	117	53803	5.386	ug/l #	17
49) 1,4-Dioxane	9.420	88	62	1.412	ug/l #	1
51) 4-Methyl-2-Pentanone	10.109	43	4844	1.203	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	157517	59.602	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	157517	144.278	ug/l #	14

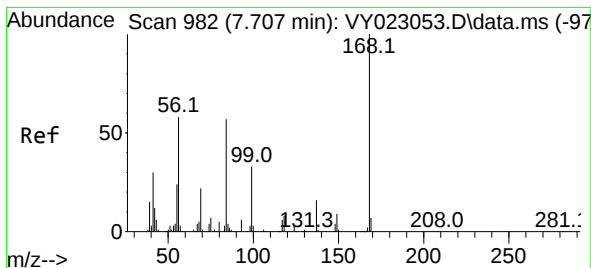
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY023150.D

Acq: 19 Aug 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

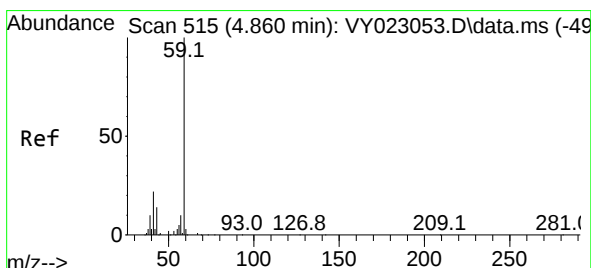
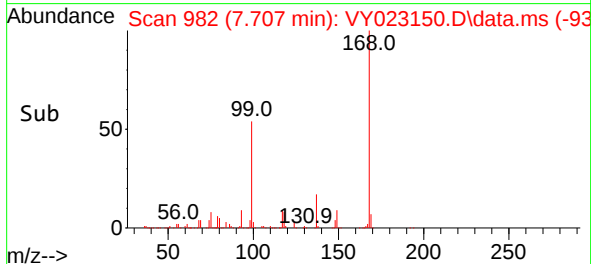
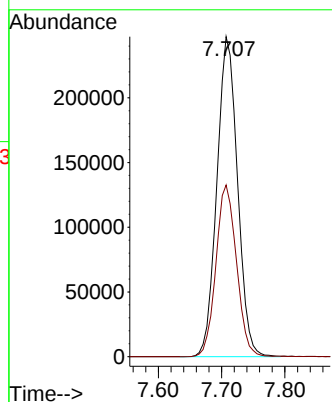
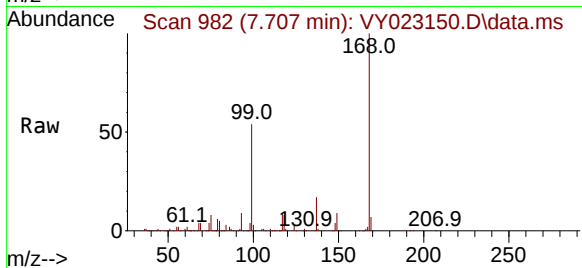
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:168 Resp: 558865

Ion Ratio Lower Upper

168 100

99 53.7 42.8 64.2



#11

Tert butyl alcohol

Concen: 1.474 ug/l

RT: 4.866 min Scan# 516

Delta R.T. 0.006 min

Lab File: VY023150.D

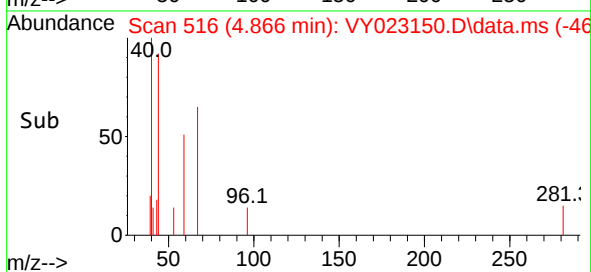
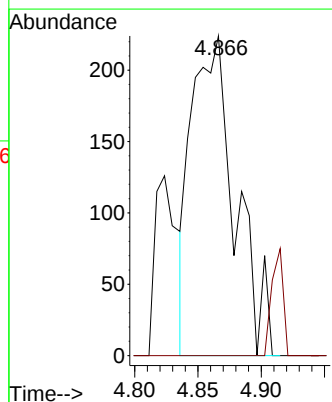
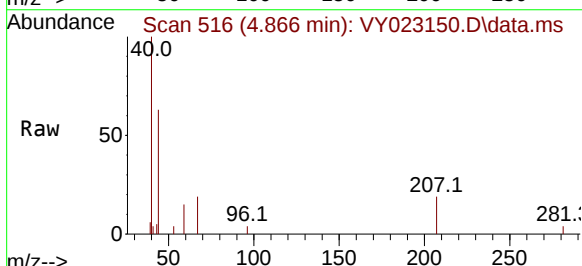
Acq: 19 Aug 2025 14:51

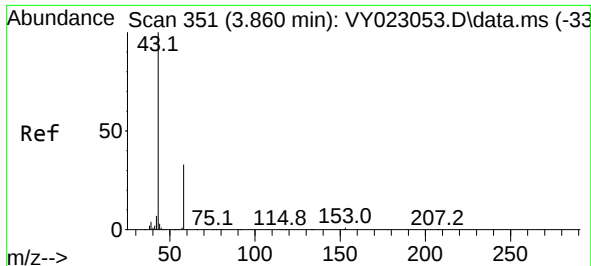
Tgt Ion: 59 Resp: 538

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#

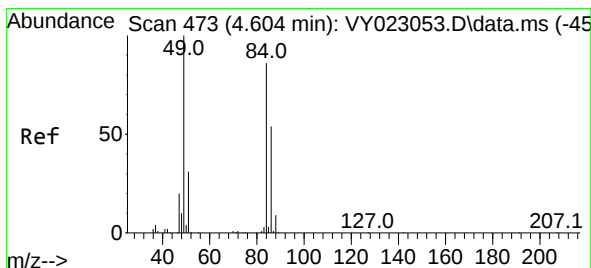
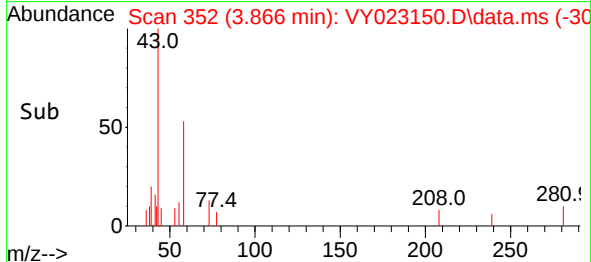
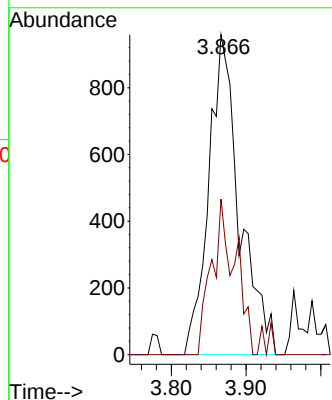
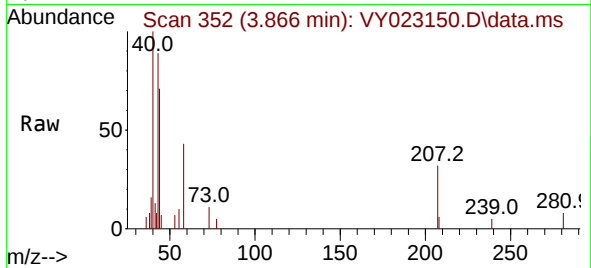




#16
Acetone
Concen: 2.388 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023150.D
Acq: 19 Aug 2025 14:51

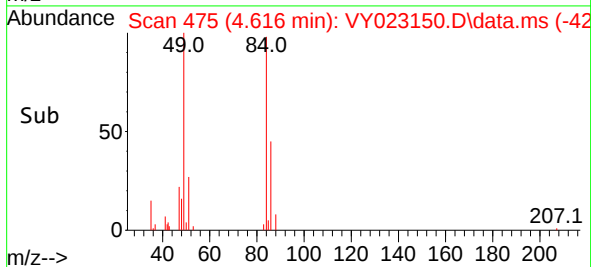
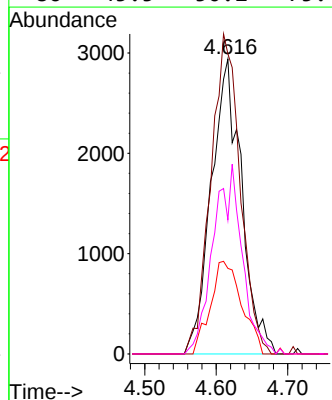
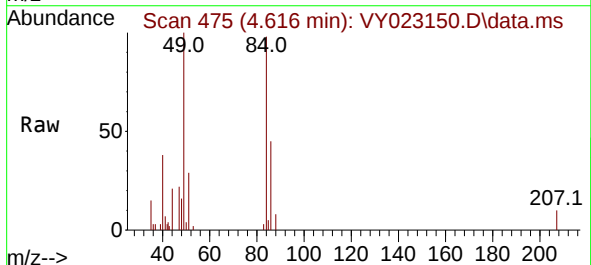
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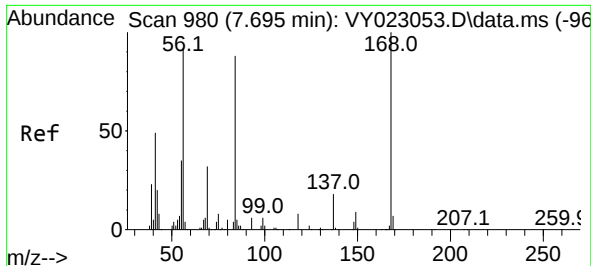
Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
58 48.6 27.1 40.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023150.D
Acq: 19 Aug 2025 14:51

Tgt Ion: 84 Resp: 8642
Ion Ratio Lower Upper
84 100
49 101.8 93.0 139.6
51 29.0 29.0 43.4
86 45.5 50.2 75.4#

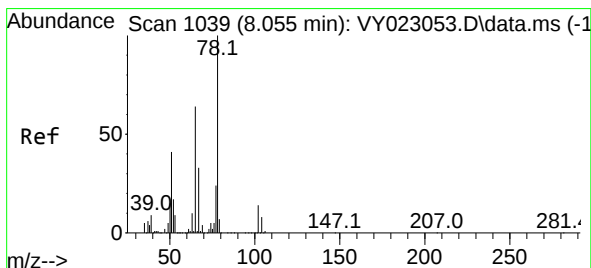
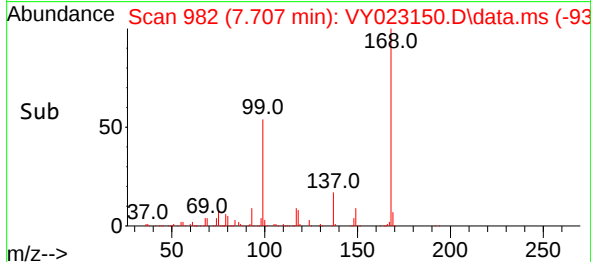
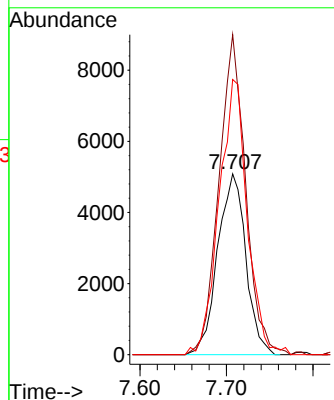
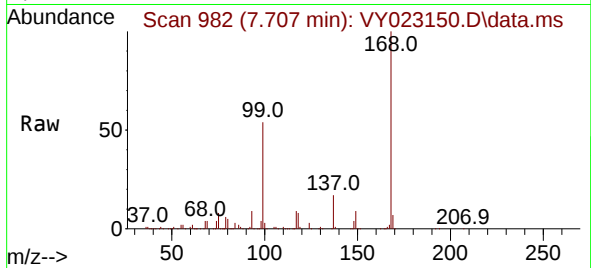




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023150.D
Acq: 19 Aug 2025 14:51

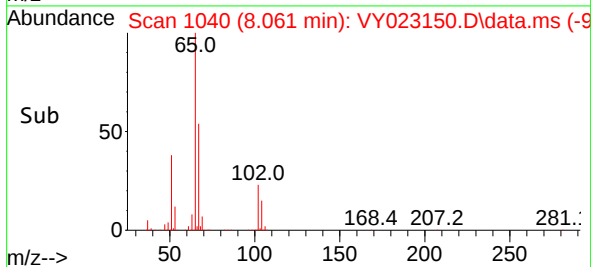
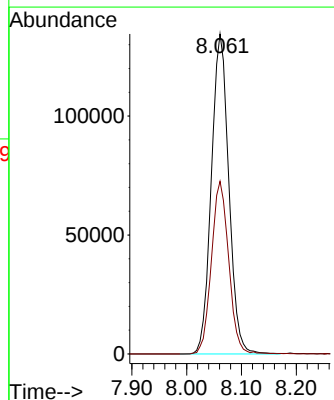
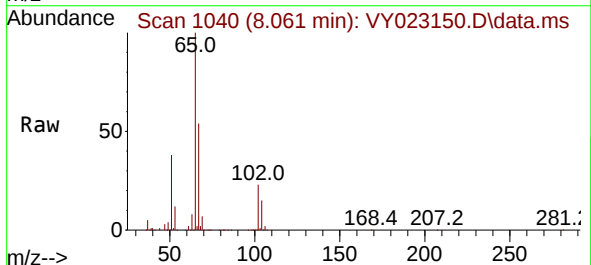
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

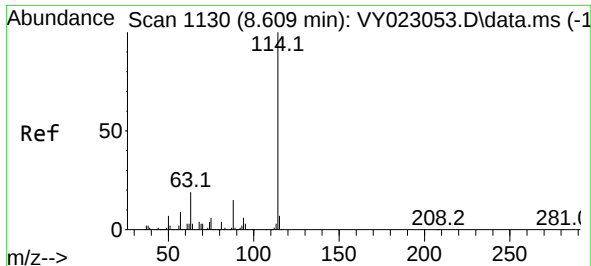
Tgt Ion: 56 Resp: 11465
Ion Ratio Lower Upper
56 100
69 177.0 28.2 42.2#
84 152.2 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 55.701 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023150.D
Acq: 19 Aug 2025 14:51

Tgt Ion: 65 Resp: 296683
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023150.D

Acq: 19 Aug 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP05-081425

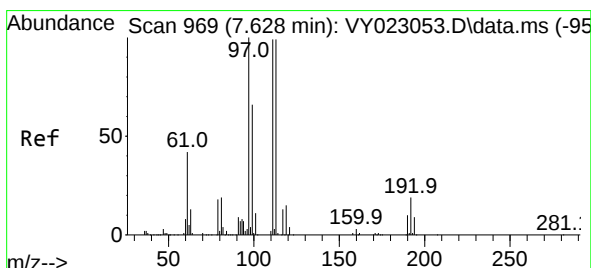
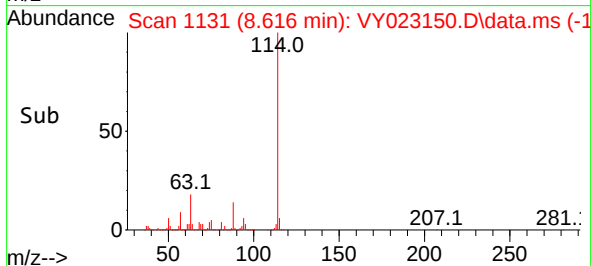
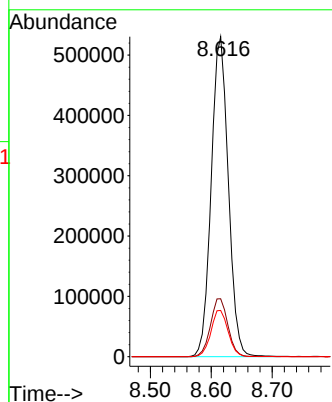
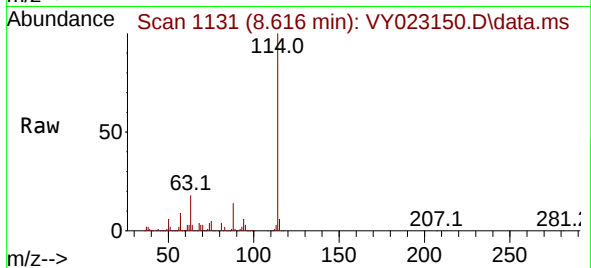
Tgt Ion:114 Resp: 1034291

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 14.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.714 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023150.D

Acq: 19 Aug 2025 14:51

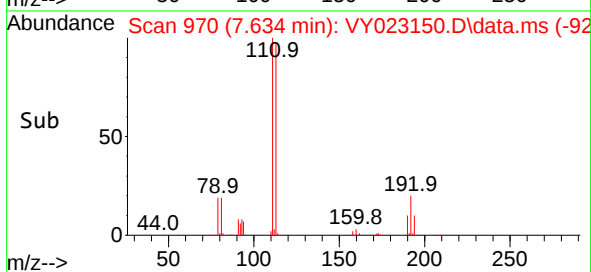
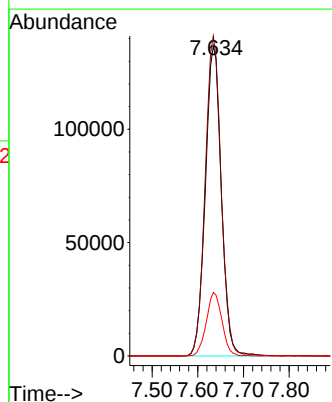
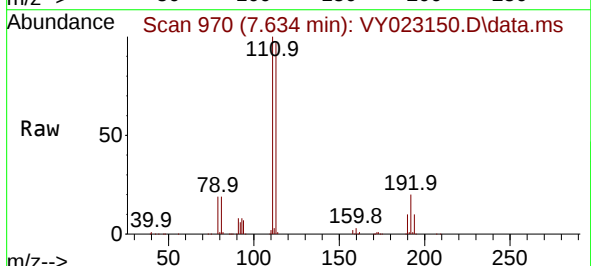
Tgt Ion:113 Resp: 332427

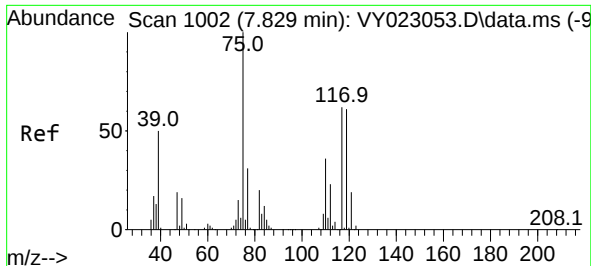
Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

192 20.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.655 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023150.D

Acq: 19 Aug 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP05-081425

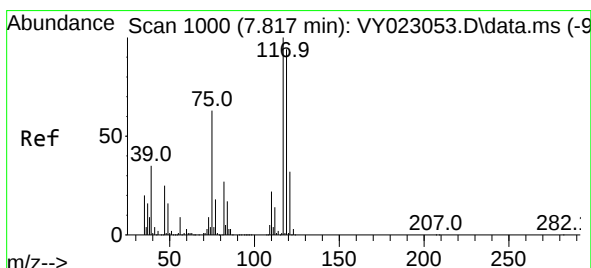
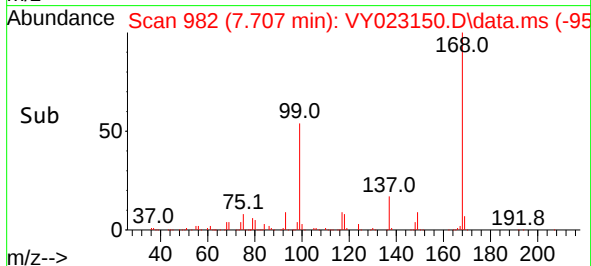
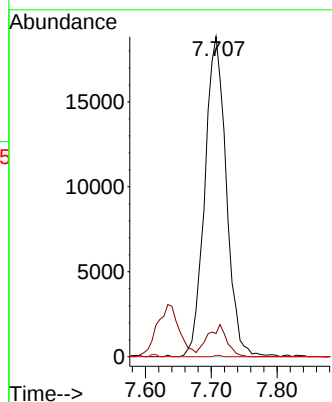
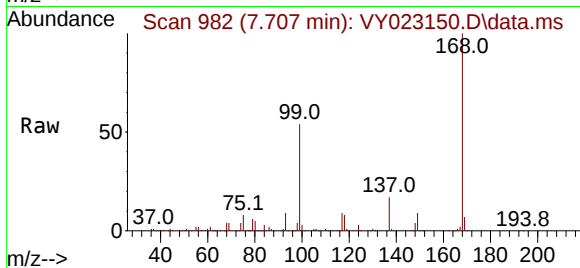
Tgt Ion: 75 Resp: 42819

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.386 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023150.D

Acq: 19 Aug 2025 14:51

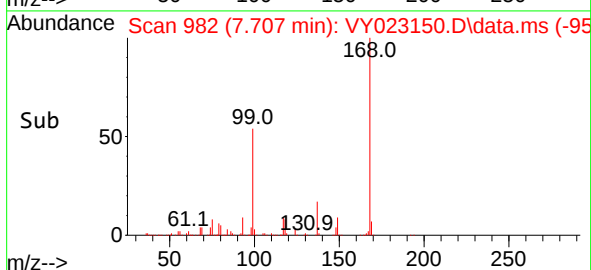
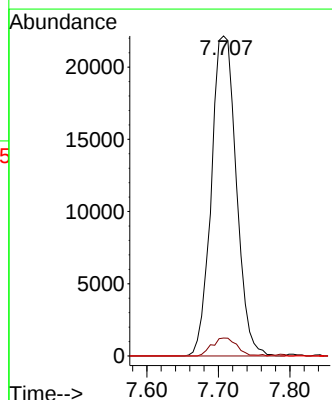
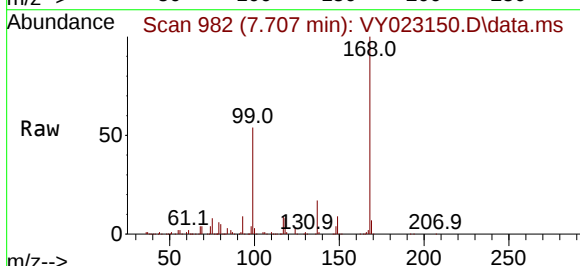
Tgt Ion: 117 Resp: 53803

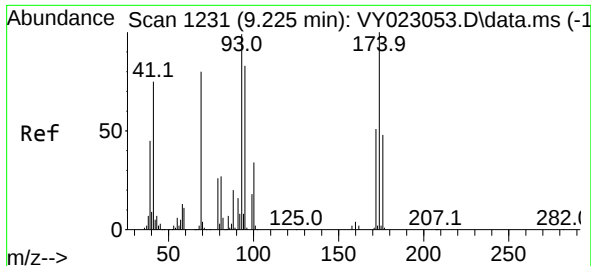
Ion Ratio Lower Upper

117 100

119 5.6 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 1.412 ug/l

RT: 9.420 min Scan# 1

Delta R.T. 0.195 min

Lab File: VY023150.D

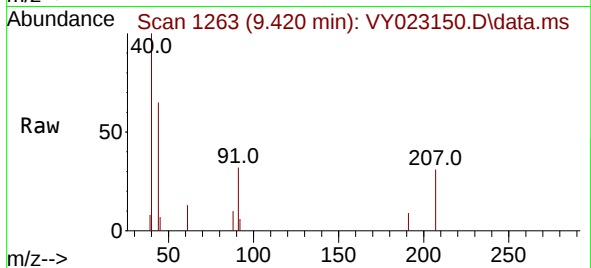
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Instrument :

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OU4-TS-GRILLO-TSCP05-081425



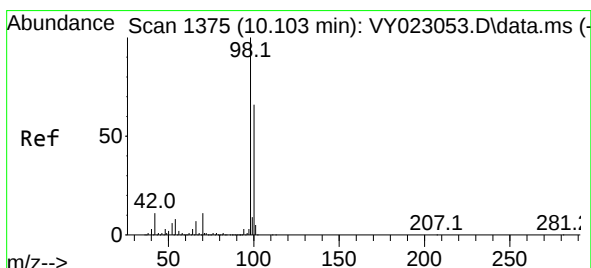
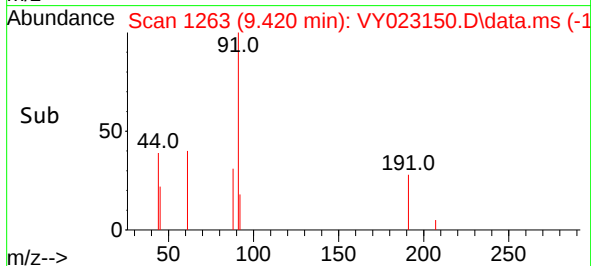
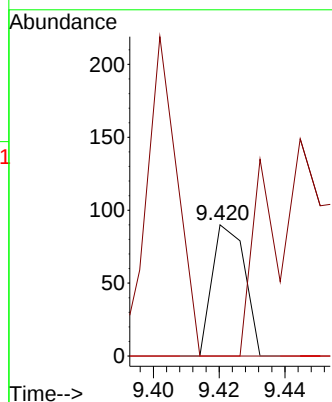
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 227.4 24.3 36.5#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 49.892 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023150.D

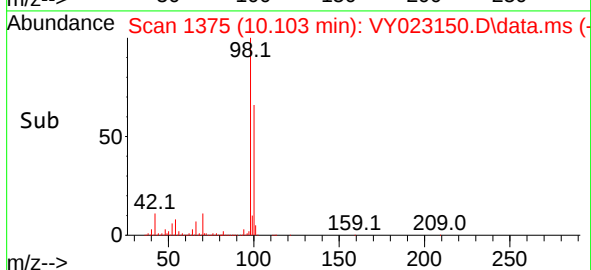
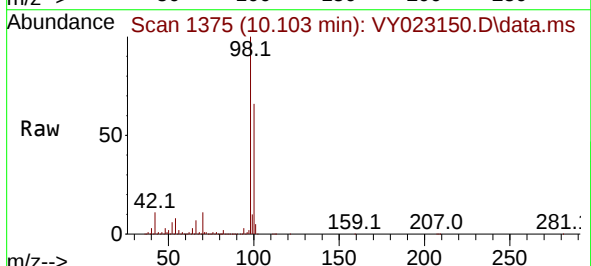
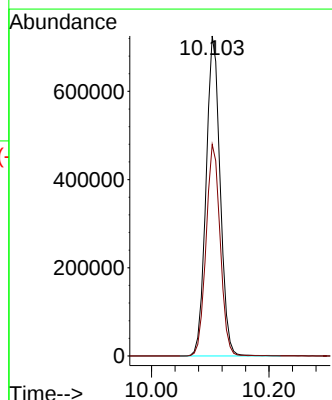
Acq: 19 Aug 2025 14:51

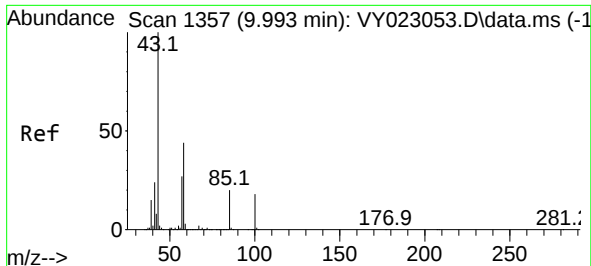
Tgt Ion: 98 Resp: 1206250

Ion Ratio Lower Upper

98 100

100 66.4 52.3 78.5

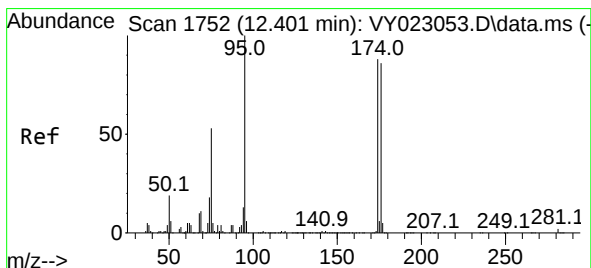
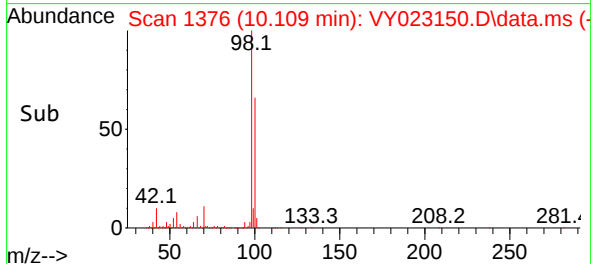
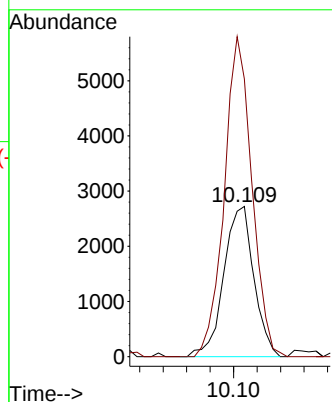
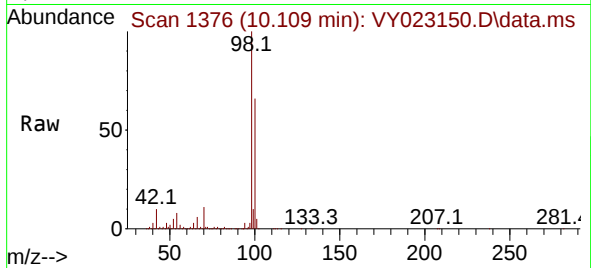




#51
4-Methyl-2-Pentanone
Concen: 1.203 ug/l
RT: 10.109 min Scan# 1357
Delta R.T. 0.116 min
Lab File: VY023150.D
Acq: 19 Aug 2025 14:51

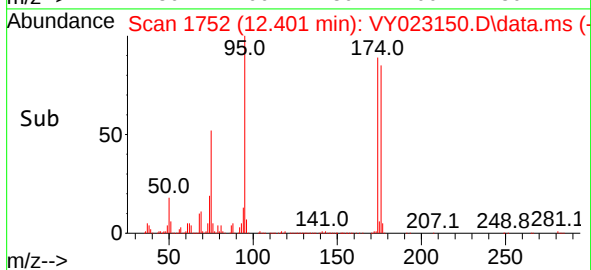
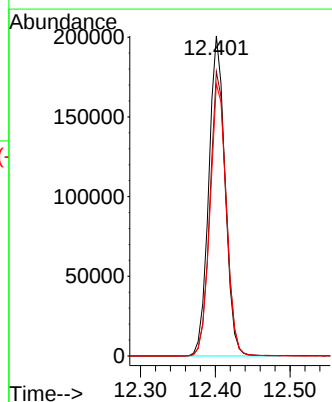
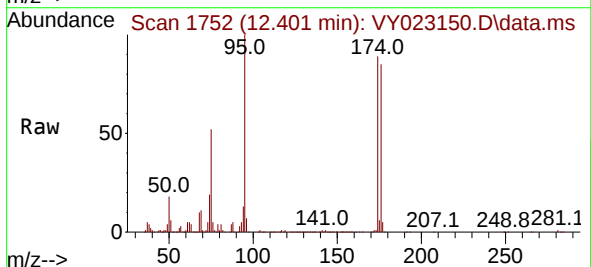
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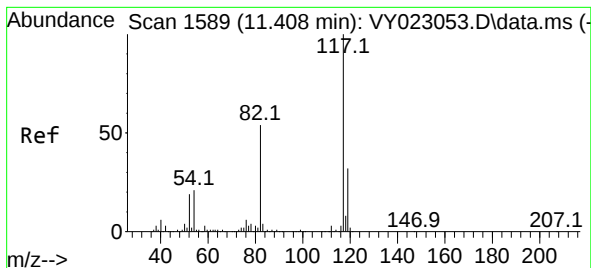
Tgt Ion: 43 Resp: 4844
Ion Ratio Lower Upper
43 100
58 195.6 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 38.991 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023150.D
Acq: 19 Aug 2025 14:51

Tgt Ion: 95 Resp: 303173
Ion Ratio Lower Upper
95 100
174 88.6 0.0 171.6
176 85.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023150.D

Acq: 19 Aug 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP05-081425

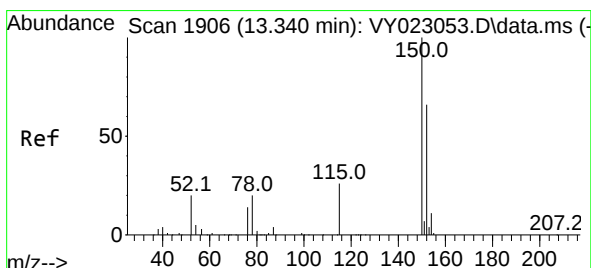
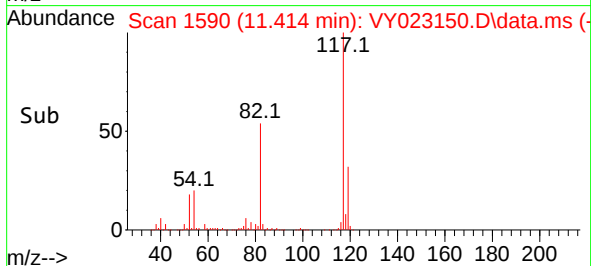
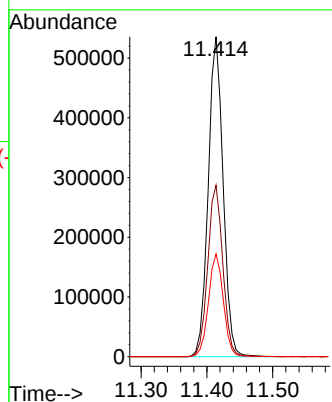
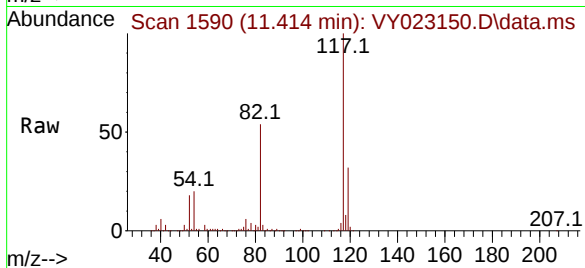
Tgt Ion:117 Resp: 843743

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 32.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023150.D

Acq: 19 Aug 2025 14:51

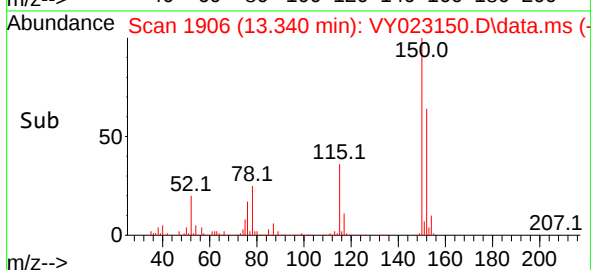
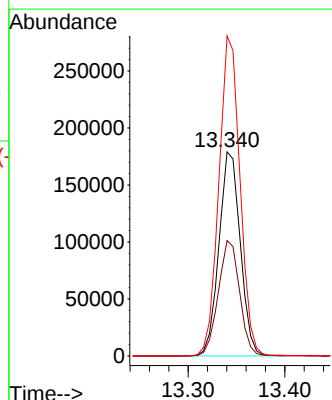
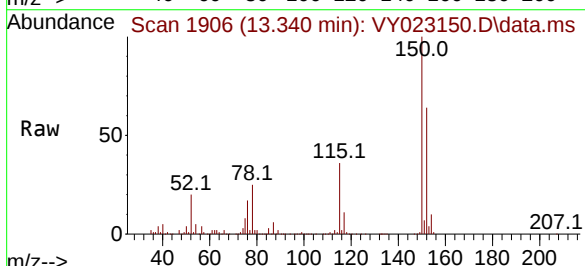
Tgt Ion:152 Resp: 273835

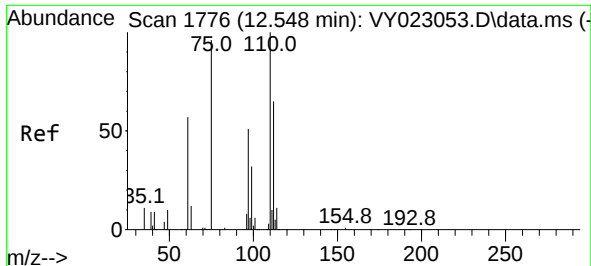
Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.6

150 155.5 0.0 348.0

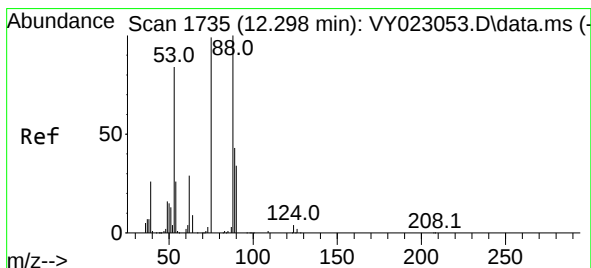
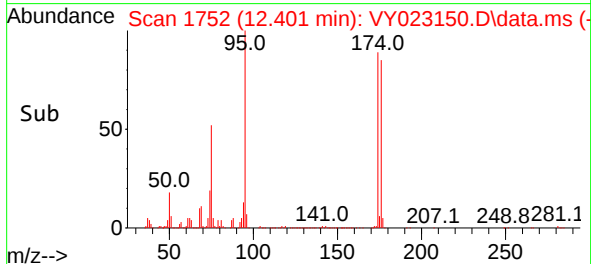
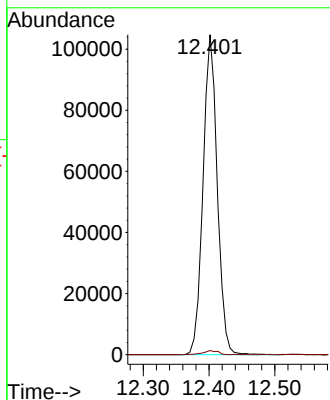
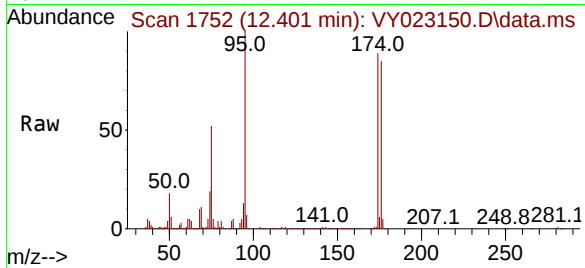




#76
1,2,3-Trichloropropane
Concen: 59.602 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023150.D
Acq: 19 Aug 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion: 75 Resp: 157517
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.278 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023150.D
Acq: 19 Aug 2025 14:51

Tgt Ion: 75 Resp: 157517
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.3 38.1 57.1#

