

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022750.D
 Acq On : 19 Jun 2025 13:01
 Operator : SY/MD
 Sample : Q2362-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-11-VOC

Quant Time: Jun 20 02:58:20 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)

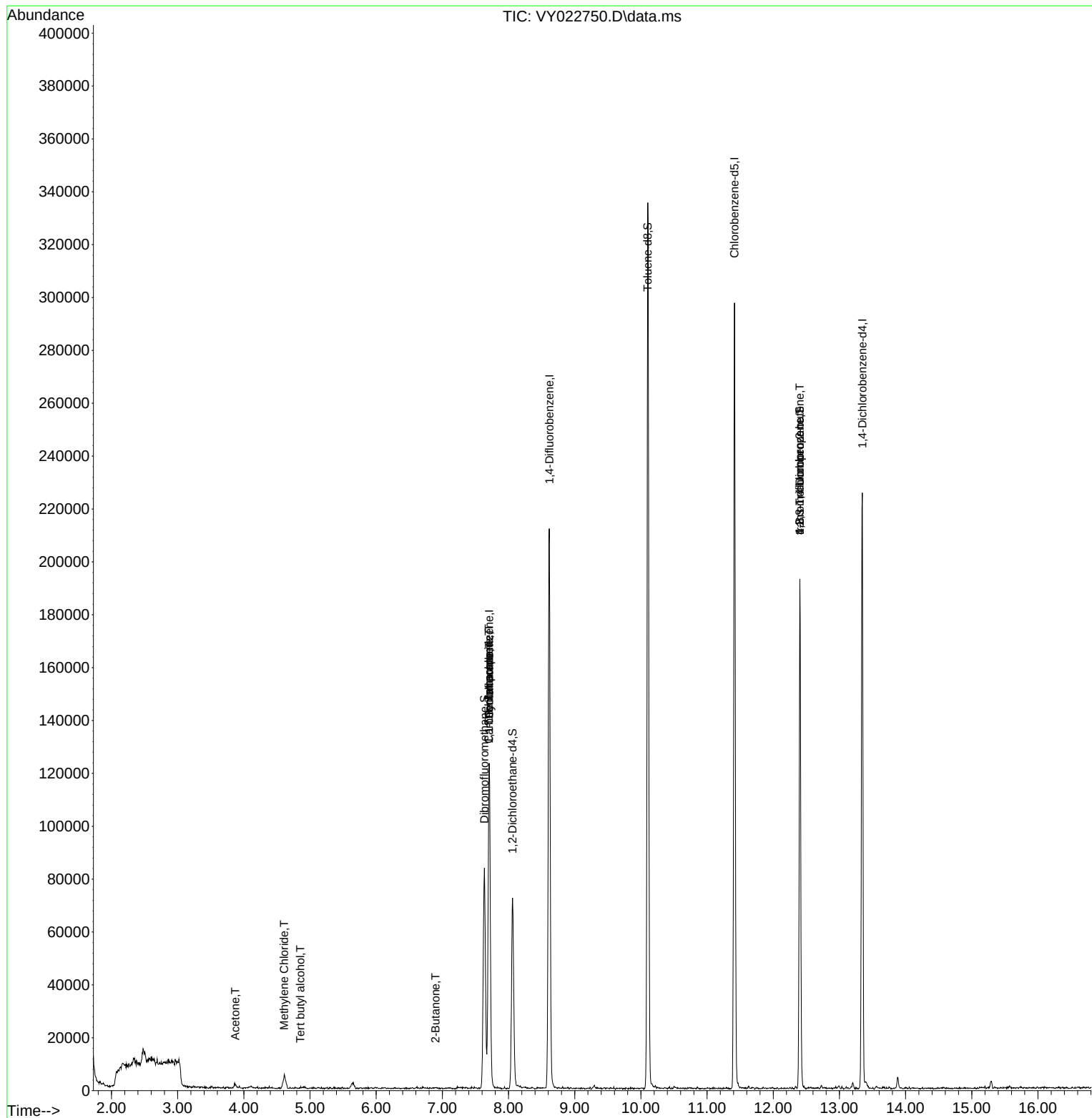
Internal Standards						
1) Pentafluorobenzene	7.707	168	91596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	174948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	144319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	54073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55906	54.572	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.140%
35) Dibromofluoromethane	7.634	113	56259	53.876	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.760%
50) Toluene-d8	10.103	98	210057	49.784	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.560%
62) 4-Bromofluorobenzene	12.401	95	51947	41.321	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	223	3.048	ug/l #	73
16) Acetone	3.872	43	2730	13.122	ug/l	89
20) Methylene Chloride	4.610	84	2948	2.494	ug/l	92
25) 2-Butanone	6.896	43	471	1.569	ug/l	95
31) Cyclohexane	7.707	56	2833	1.439	ug/l #	42
36) 1,1-Dichloropropene	7.701	75	8517	5.025	ug/l #	50
38) Carbon Tetrachloride	7.701	117	9816	5.646	ug/l #	19
76) 1,2,3-Trichloropropane	12.401	75	31490	50.904	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	31490	122.930	ug/l #	11

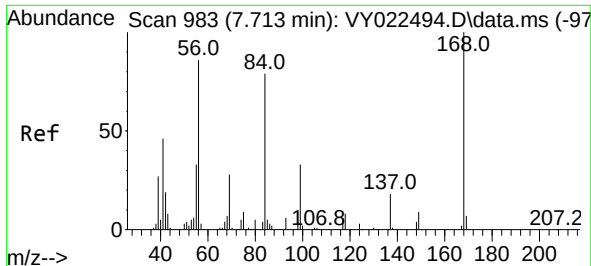
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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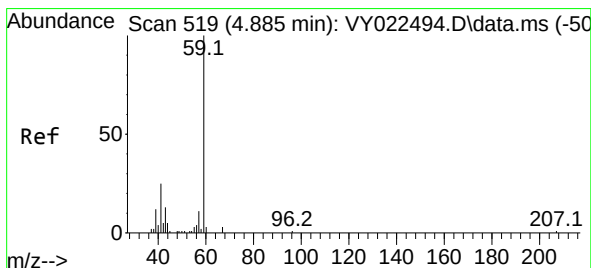
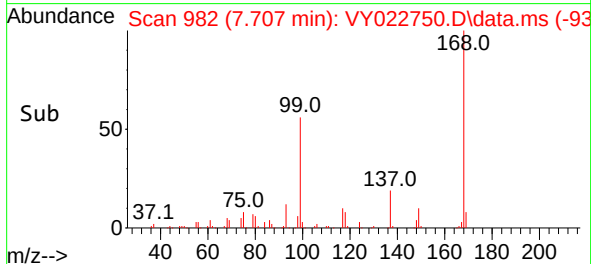
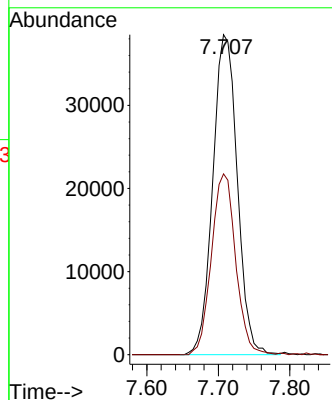
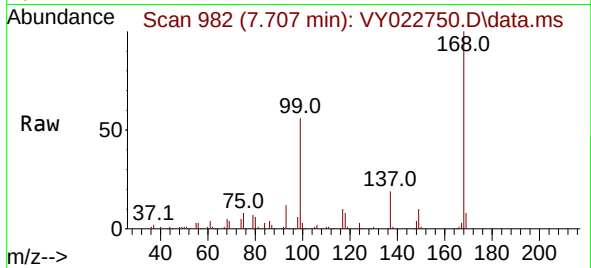




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

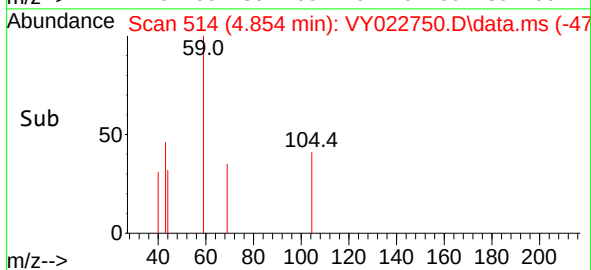
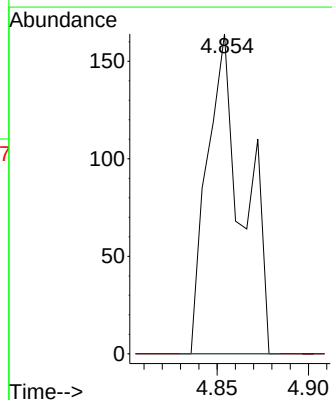
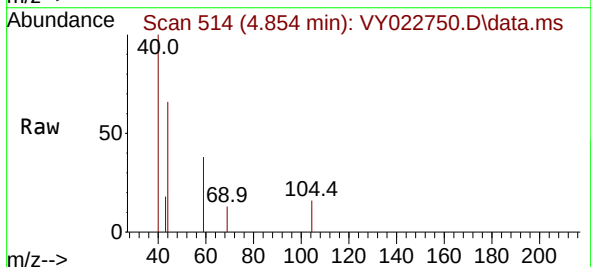
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-VOC

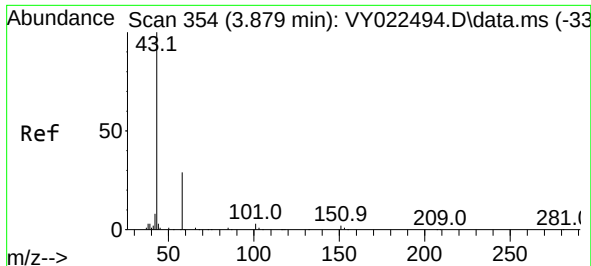
Tgt Ion:168 Resp: 91596
Ion Ratio Lower Upper
168 100
99 56.5 44.3 66.5



#11
Tert butyl alcohol
Concen: 3.048 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.031 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

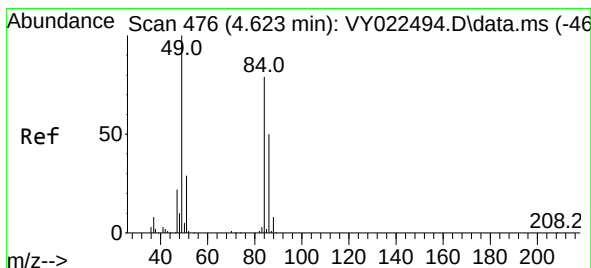
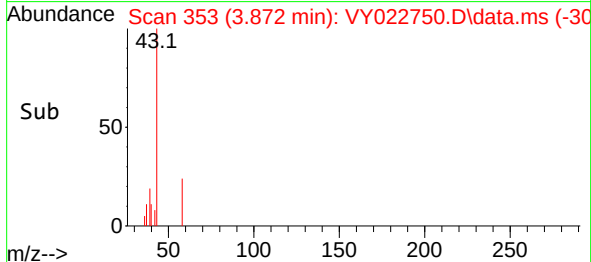
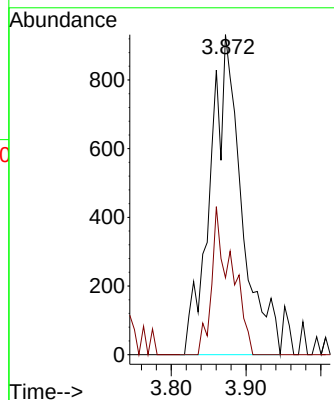
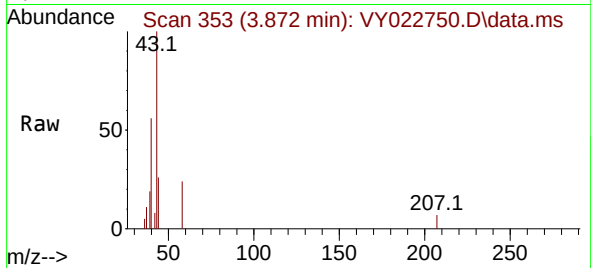




#16
Acetone
Concen: 13.122 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

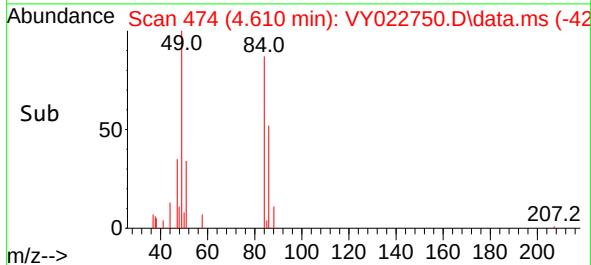
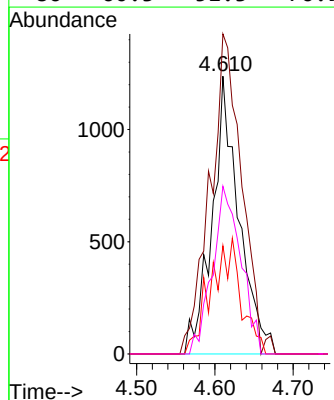
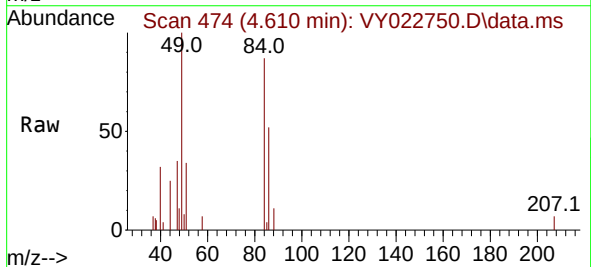
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-VOC

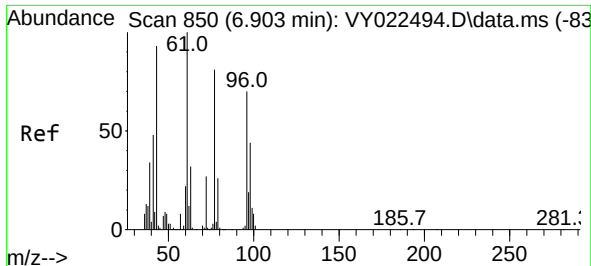
Tgt Ion: 43 Resp: 2730
Ion Ratio Lower Upper
43 100
58 24.0 24.0 36.0



#20
Methylene Chloride
Concen: 2.494 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

Tgt Ion: 84 Resp: 2948
Ion Ratio Lower Upper
84 100
49 115.2 101.9 152.9
51 38.9 29.8 44.8
86 60.3 51.3 76.9

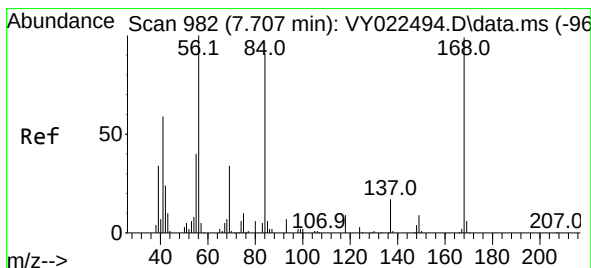
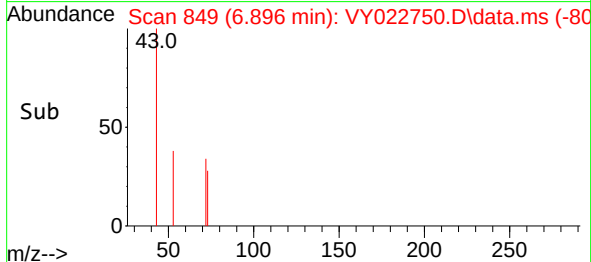
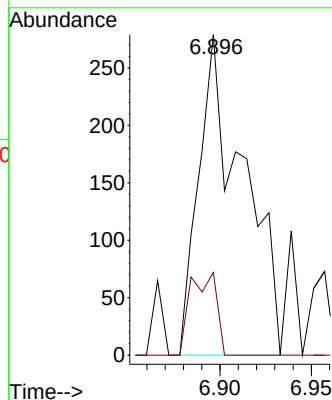
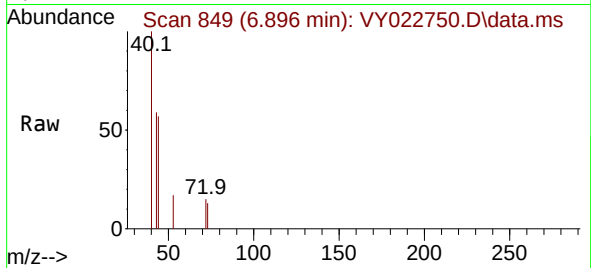




#25
2-Butanone
Concen: 1.569 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

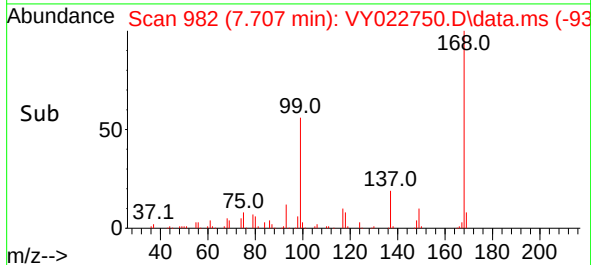
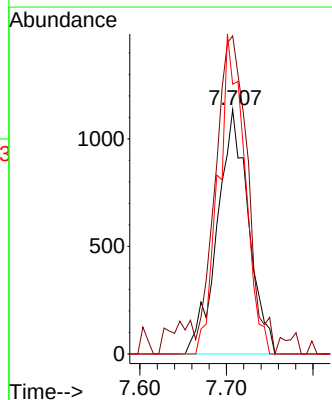
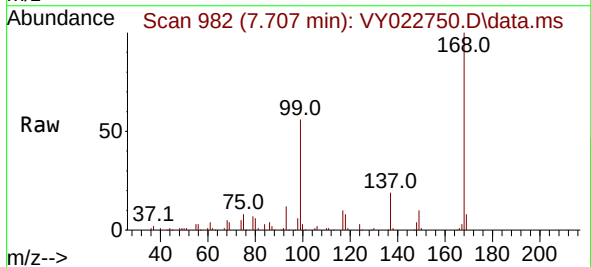
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-VOC

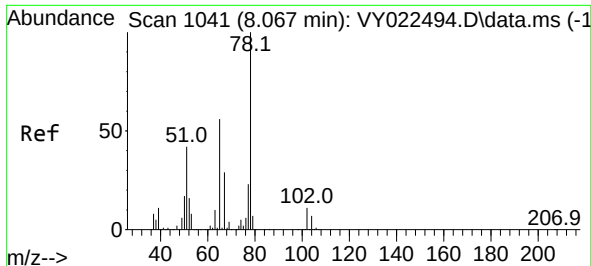
Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
72 25.8 22.9 34.3



#31
Cyclohexane
Concen: 1.439 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

Tgt Ion: 56 Resp: 2833
Ion Ratio Lower Upper
56 100
69 123.5 27.0 40.6#
84 110.4 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 54.572 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY022750.D

Acq: 19 Jun 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

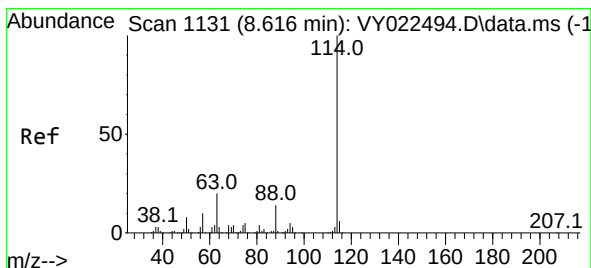
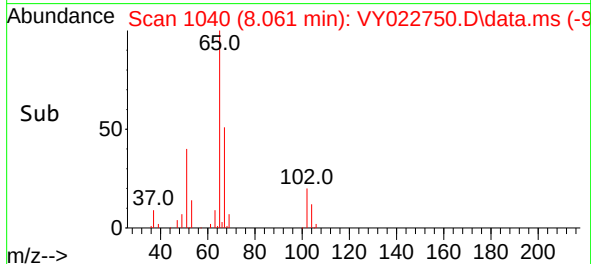
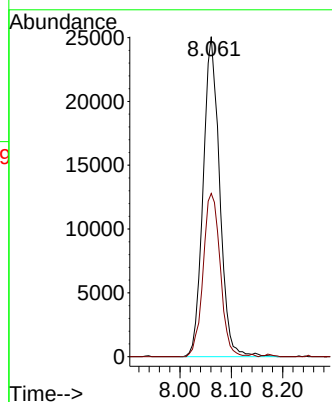
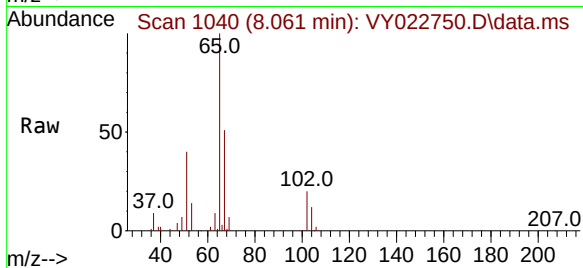
TP-11-VOC

Tgt Ion: 65 Resp: 55906

Ion Ratio Lower Upper

65 100

67 52.9 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: VY022750.D

Acq: 19 Jun 2025 13:01

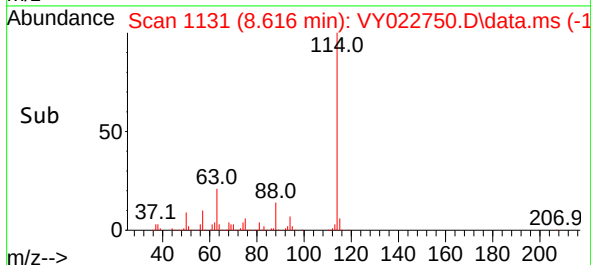
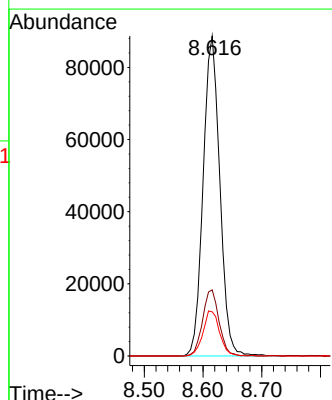
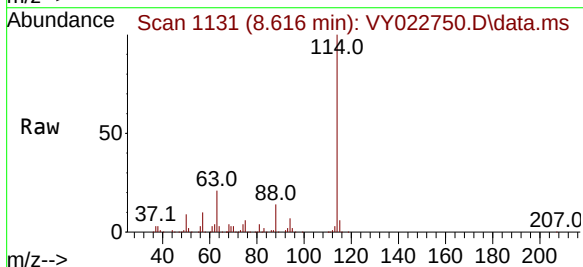
Tgt Ion: 114 Resp: 174948

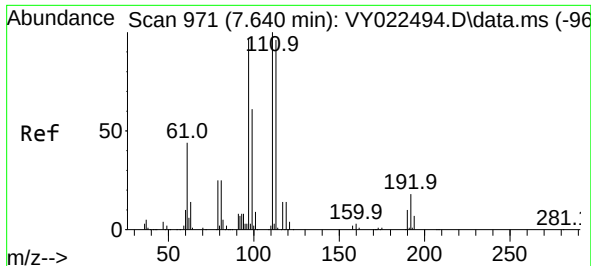
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 13.8 0.0 27.8

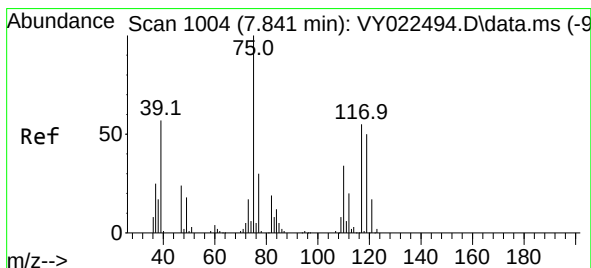
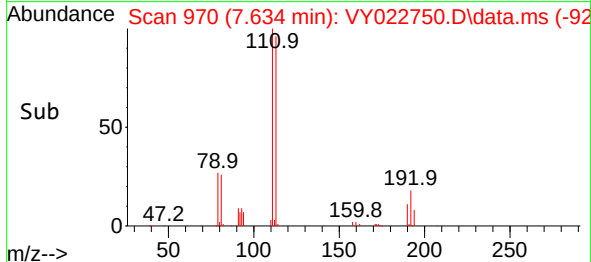
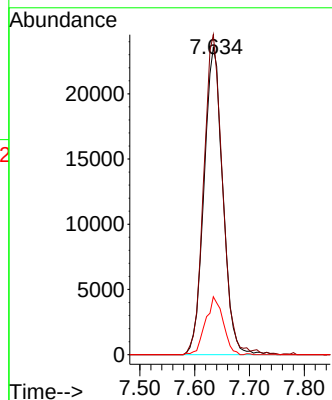
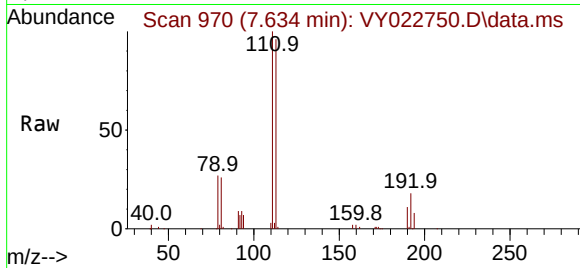




#35
Dibromofluoromethane
Concen: 53.876 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

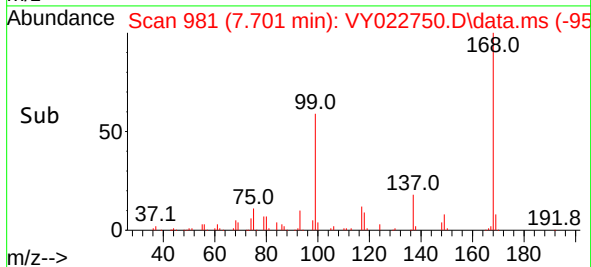
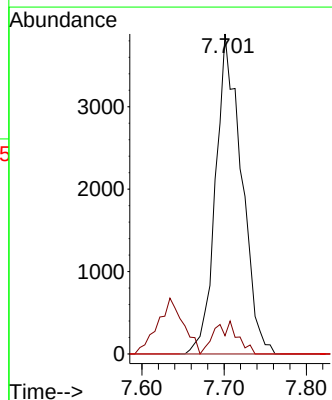
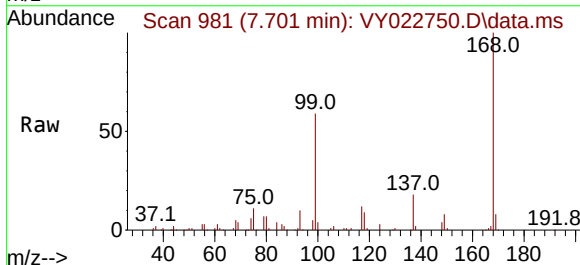
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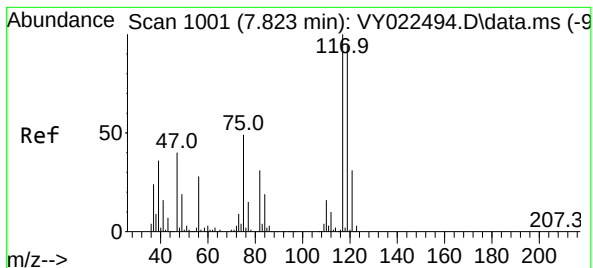
Tgt Ion:113 Resp: 56259
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 17.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

Tgt Ion: 75 Resp: 8517
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.646 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY022750.D

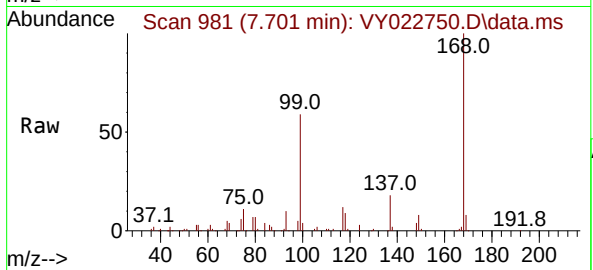
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Instrument :

MSVOA_Y

ClientSampleId :

TP-11-VOC



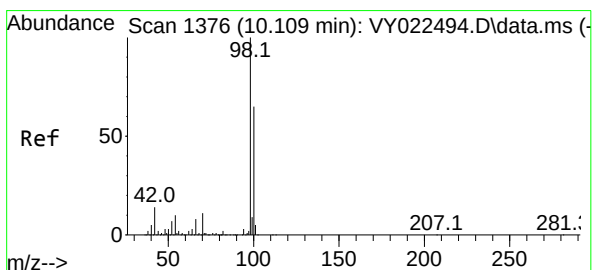
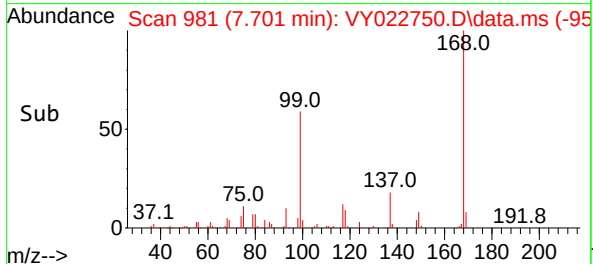
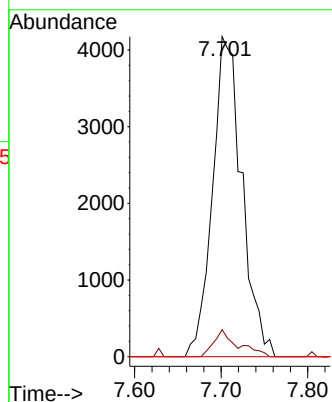
Tgt Ion:117 Resp: 9816

Ion Ratio Lower Upper

117 100

119 8.4 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.784 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022750.D

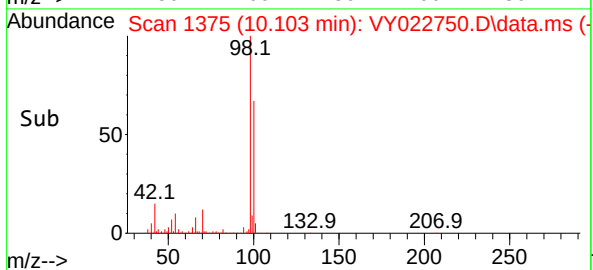
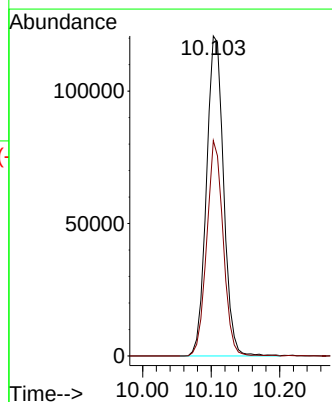
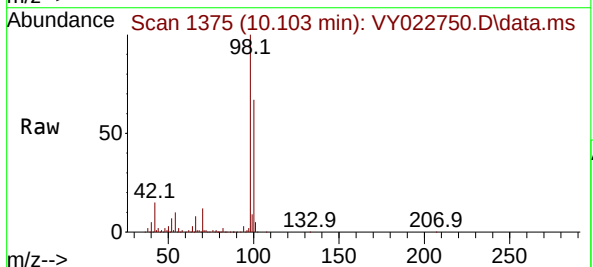
Acq: 19 Jun 2025 13:01

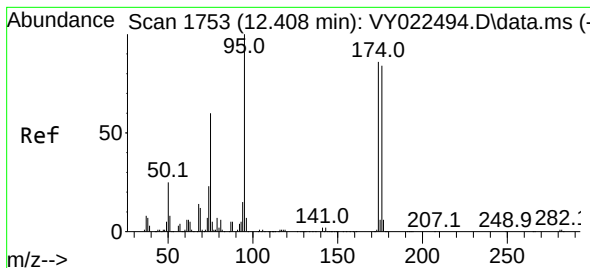
Tgt Ion: 98 Resp: 210057

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

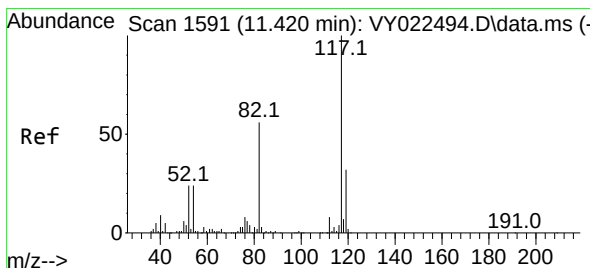
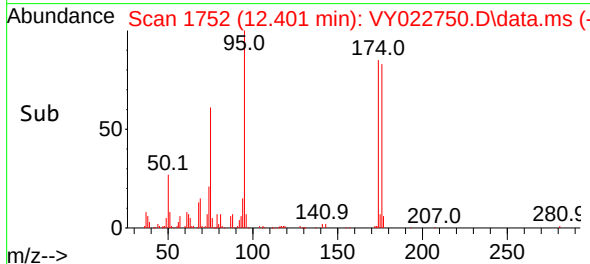
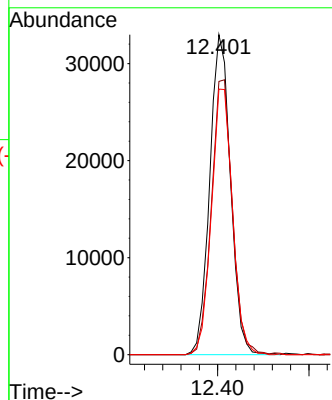
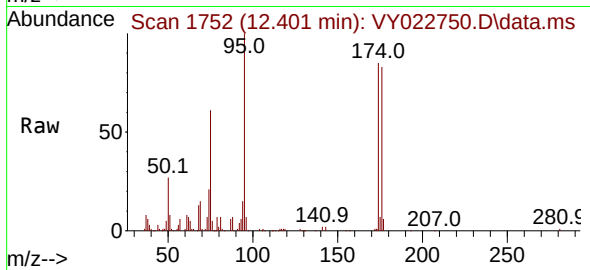




#62
4-Bromofluorobenzene
Concen: 41.321 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

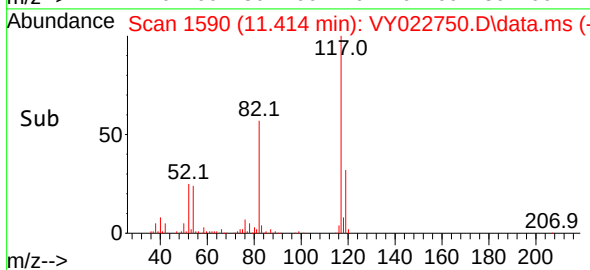
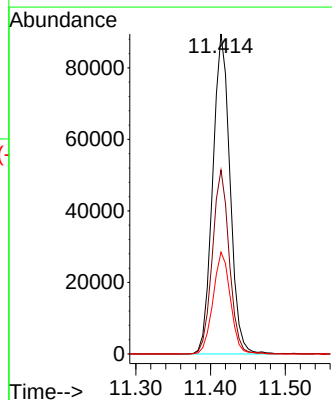
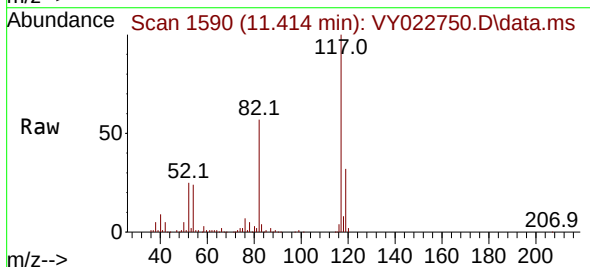
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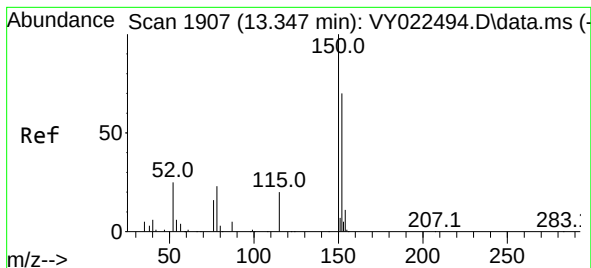
Tgt Ion: 95 Resp: 51947
Ion Ratio Lower Upper
95 100
174 87.3 0.0 170.0
176 84.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022750.D
Acq: 19 Jun 2025 13:01

Tgt Ion: 117 Resp: 144319
Ion Ratio Lower Upper
117 100
82 57.5 44.6 66.8
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022750.D

Acq: 19 Jun 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-11-VOC

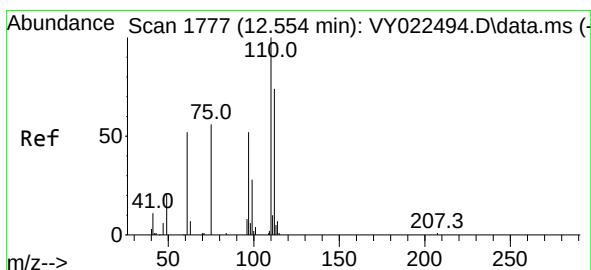
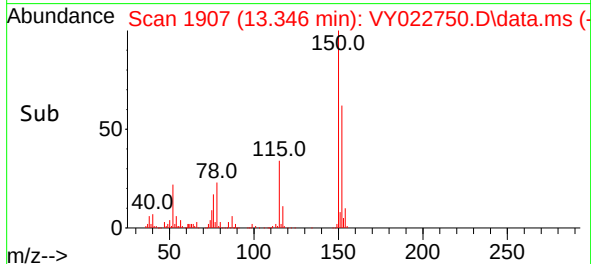
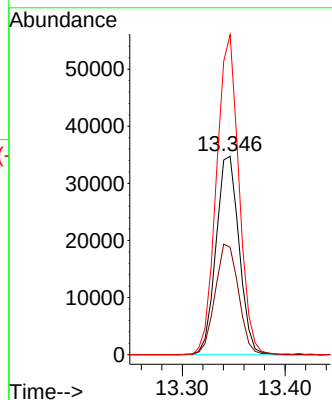
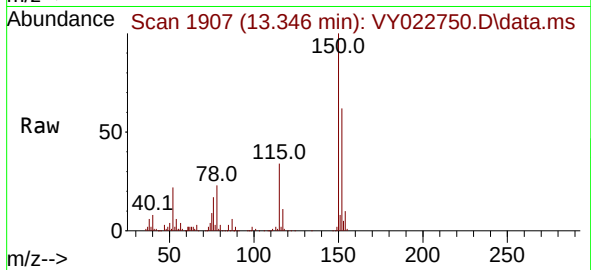
Tgt Ion:152 Resp: 54073

Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.7

150 156.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 50.904 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022750.D

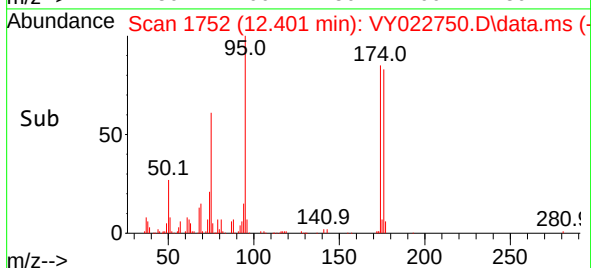
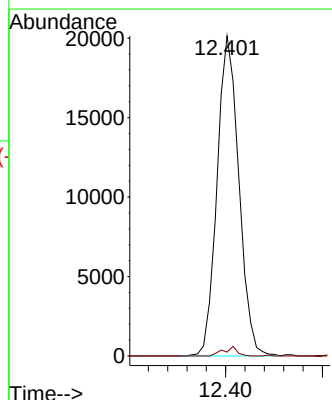
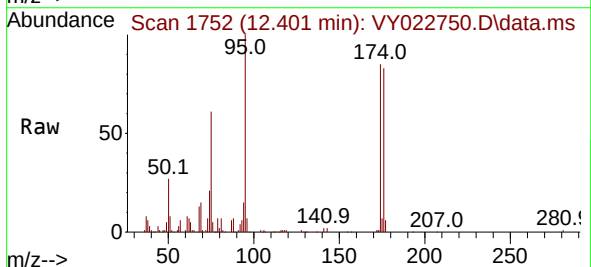
Acq: 19 Jun 2025 13:01

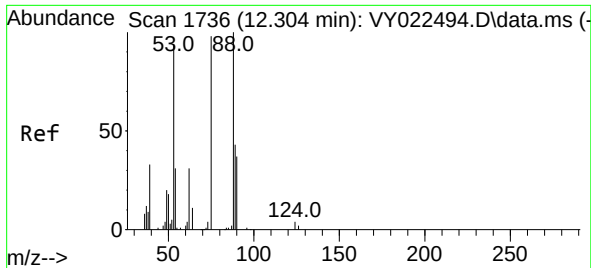
Tgt Ion: 75 Resp: 31490

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.930 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022750.D
 Acq: 19 Jun 2025 13:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-11-VOC

Tgt Ion: 75 Resp: 31490
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 35.7 53.5#

