

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022465.D
 Acq On : 29 May 2025 14:22
 Operator : SY/MD
 Sample : Q2150-06
 Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-50

Quant Time: May 30 05:35:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

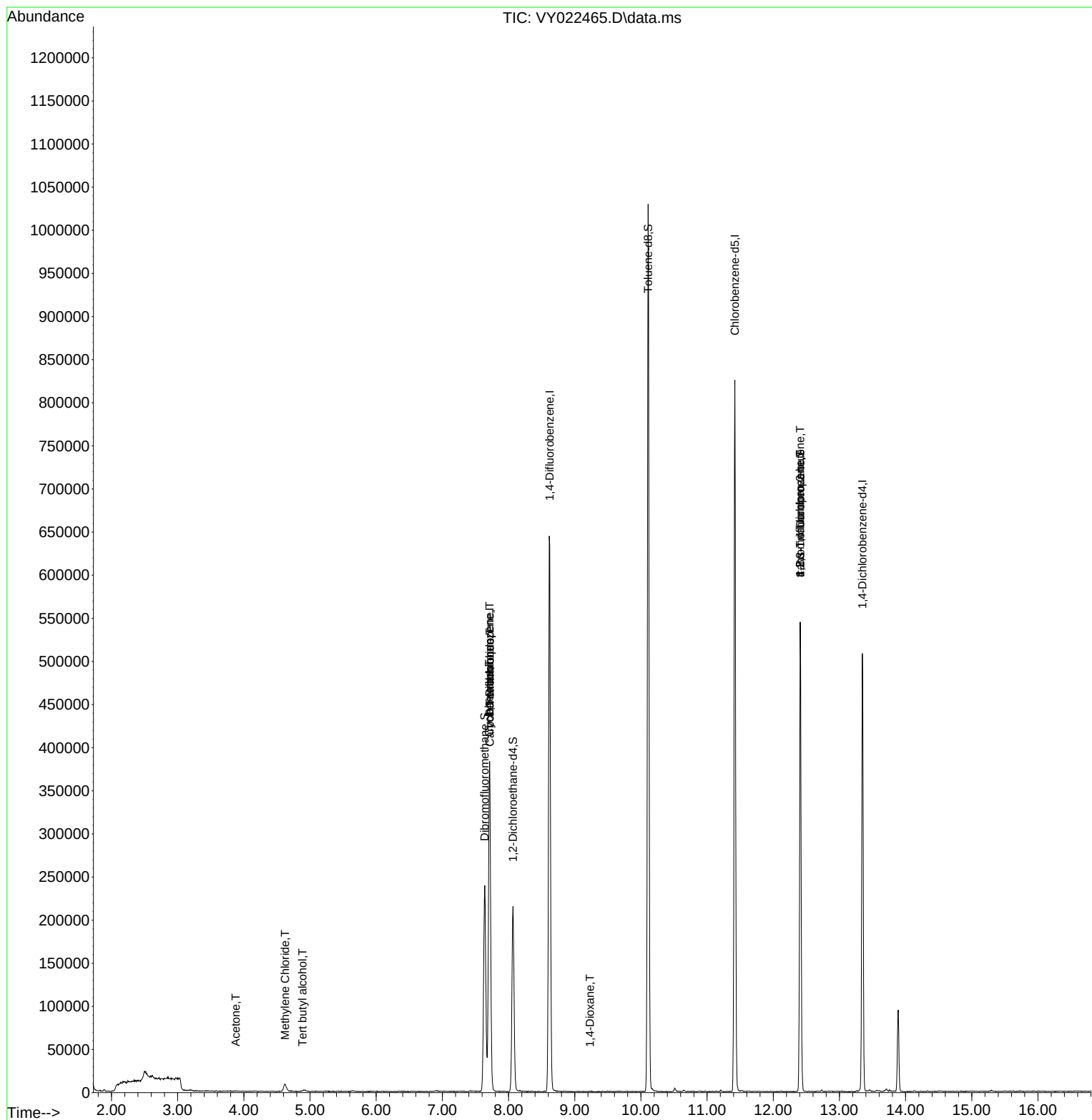
Internal Standards						
1) Pentafluorobenzene	7.713	168	284911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	538977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	400662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	162327	54.091	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.180%
35) Dibromofluoromethane	7.640	113	161633	51.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.420%
50) Toluene-d8	10.109	98	633488	49.232	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.408	95	140518	36.103	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.885	59	236	1.116	ug/l #	70
16) Acetone	3.879	43	835	1.693	ug/l #	49
20) Methylene Chloride	4.622	84	5718	1.642	ug/l	97
31) Cyclohexane	7.707	56	7845	1.359	ug/l #	39
36) 1,1-Dichloropropene	7.713	75	25292	5.050	ug/l #	50
38) Carbon Tetrachloride	7.719	117	29279	5.612	ug/l #	16
49) 1,4-Dioxane	9.231	88	41	1.898	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	83191	71.851	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	83191	162.488	ug/l #	12

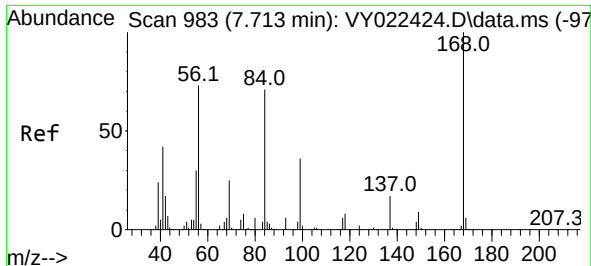
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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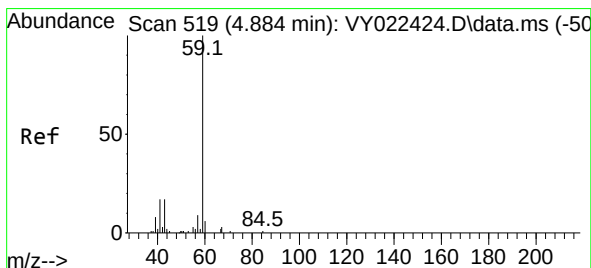
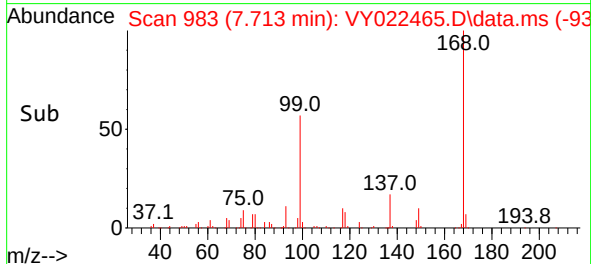
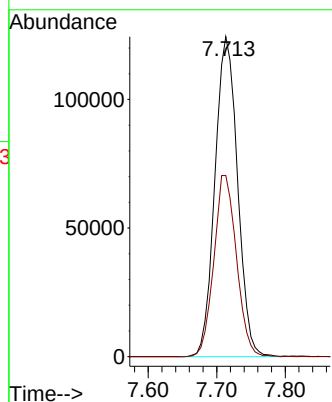
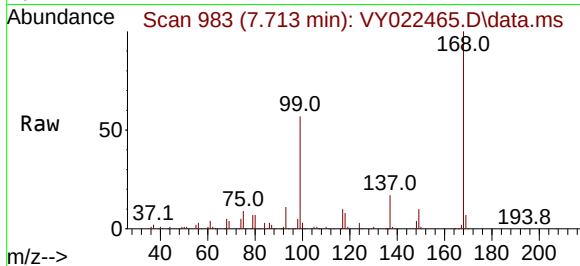




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

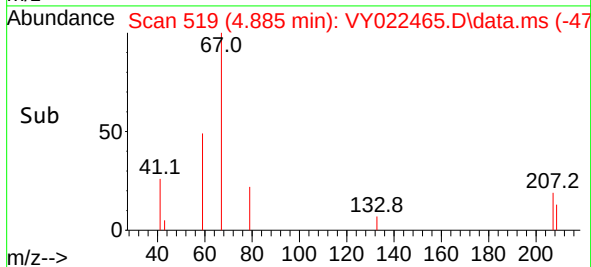
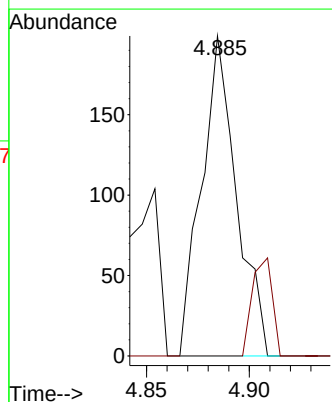
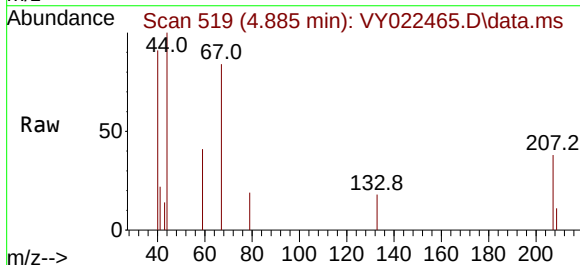
Instrument :
MSVOA_Y
ClientSampleId :
TP-50

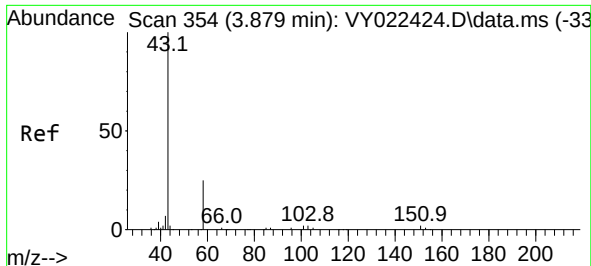
Tgt Ion:168 Resp: 284911
Ion Ratio Lower Upper
168 100
99 56.6 44.7 67.1



#11
Tert butyl alcohol
Concen: 1.116 ug/l
RT: 4.885 min Scan# 519
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion: 59 Resp: 236
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7#





#16

Acetone

Concen: 1.693 ug/l

RT: 3.879 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

Instrument :

MSVOA_Y

ClientSampleId :

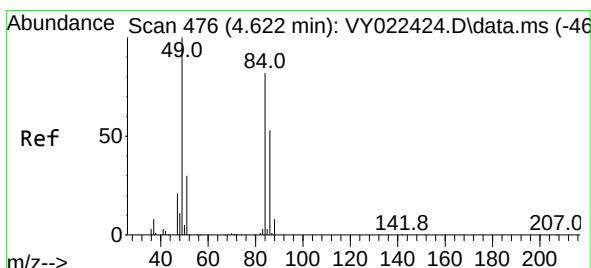
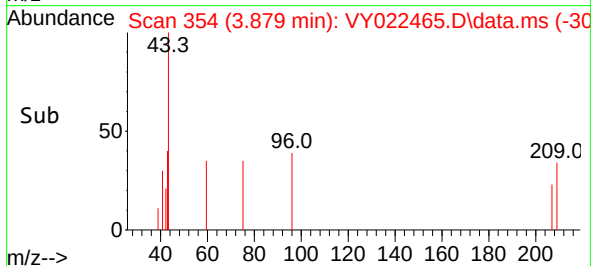
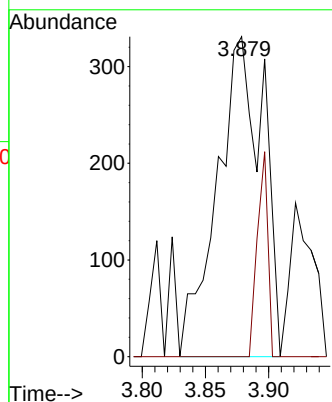
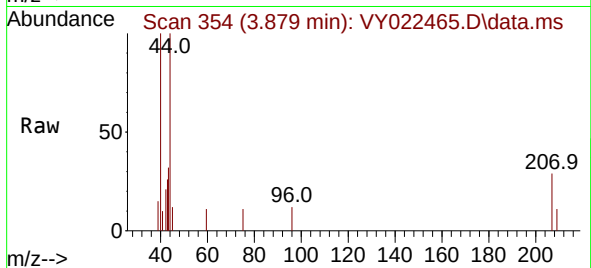
TP-50

Tgt Ion: 43 Resp: 835

Ion Ratio Lower Upper

43 100

58 0.0 20.6 30.8#



#20

Methylene Chloride

Concen: 1.642 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

Tgt Ion: 84 Resp: 5718

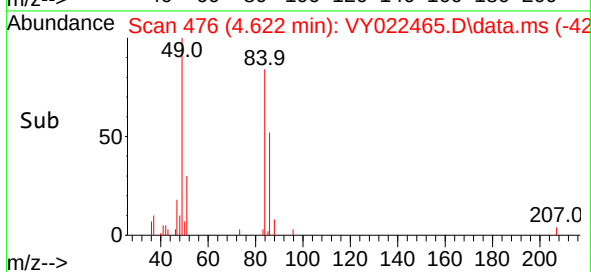
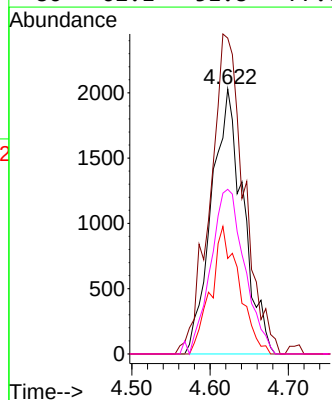
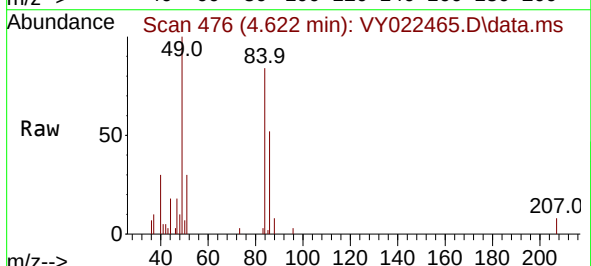
Ion Ratio Lower Upper

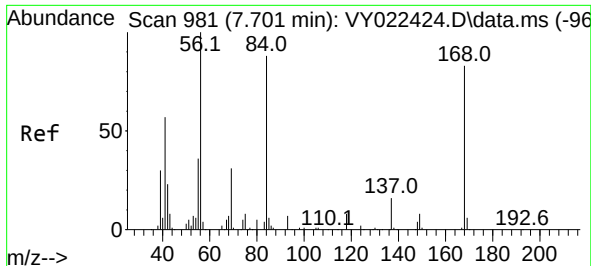
84 100

49 119.2 97.8 146.8

51 36.0 29.5 44.3

86 62.1 51.8 77.6

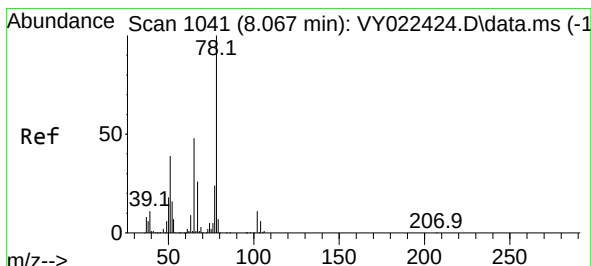
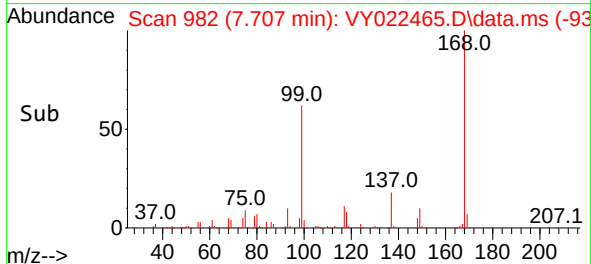
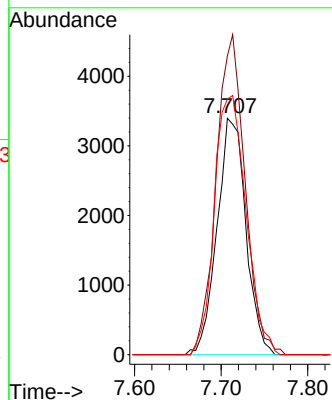
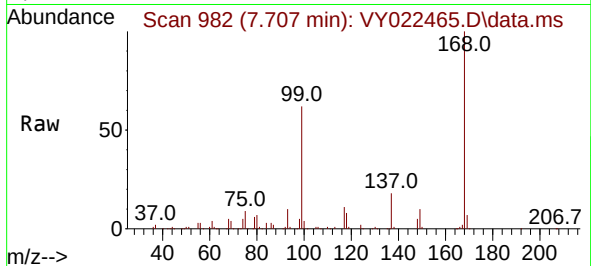




#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

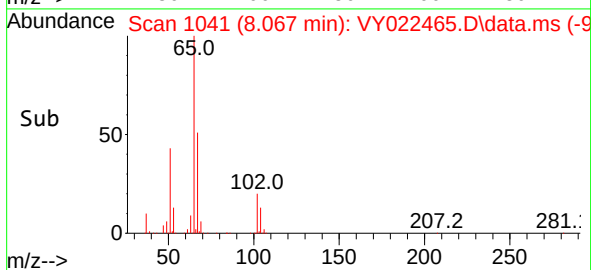
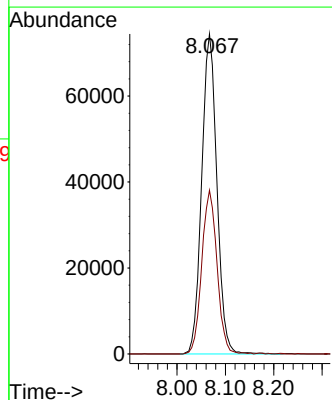
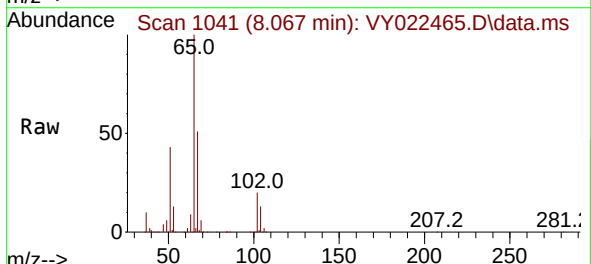
Instrument :
MSVOA_Y
ClientSampleId :
TP-50

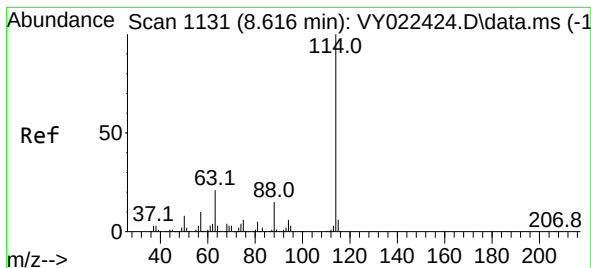
Tgt Ion: 56 Resp: 7845
Ion Ratio Lower Upper
56 100
69 126.3 24.6 36.8#
84 108.1 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 54.091 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion: 65 Resp: 162327
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-50

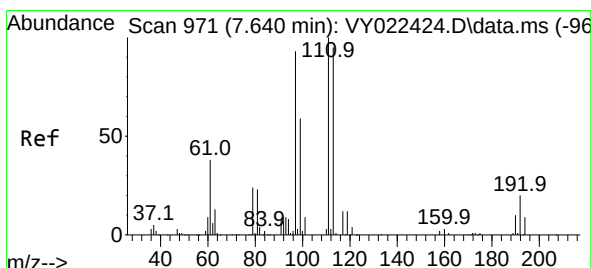
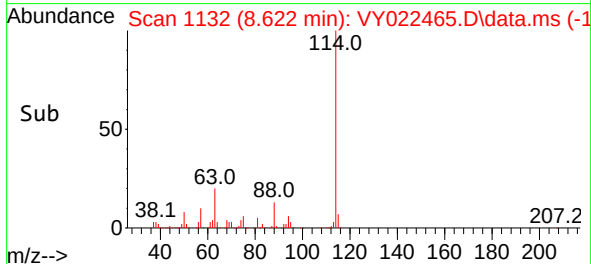
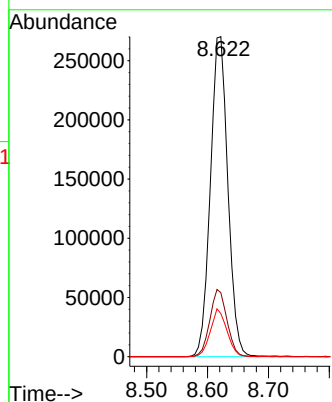
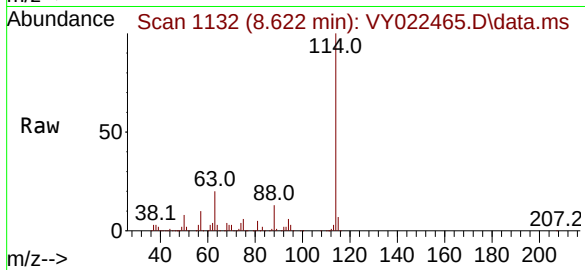
Tgt Ion:114 Resp: 538977

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 13.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.208 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

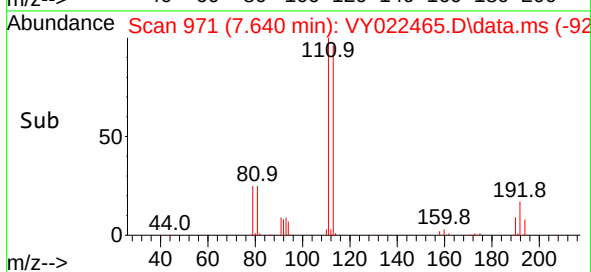
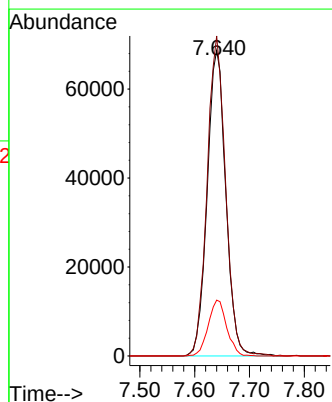
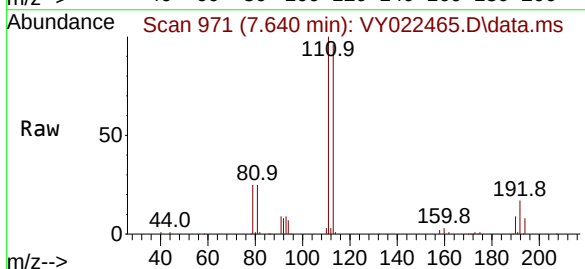
Tgt Ion:113 Resp: 161633

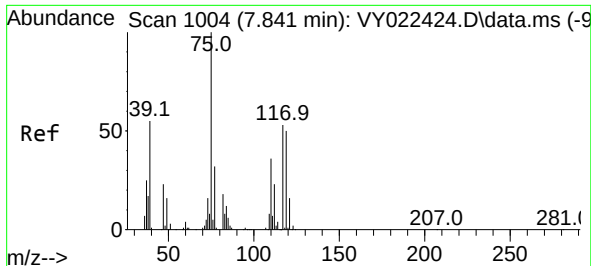
Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.050 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-50

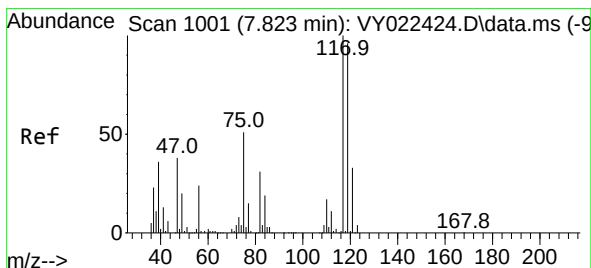
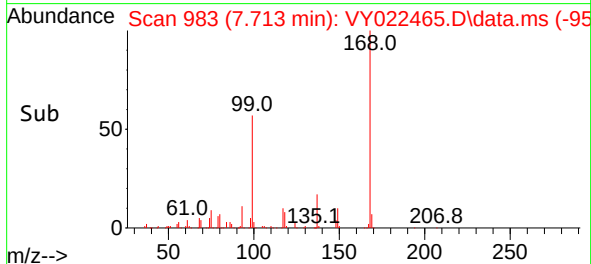
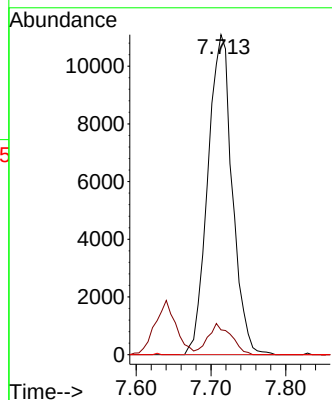
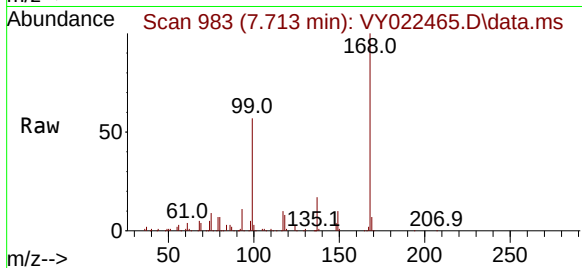
Tgt Ion: 75 Resp: 25292

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.612 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.104 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

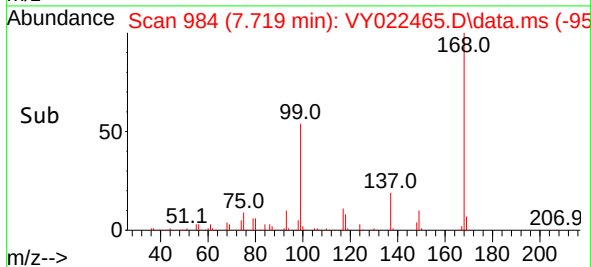
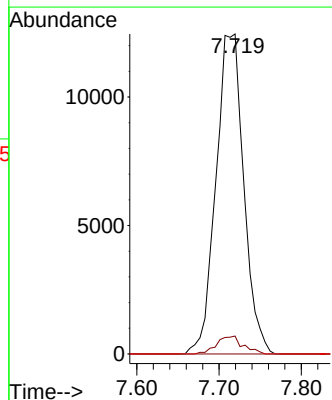
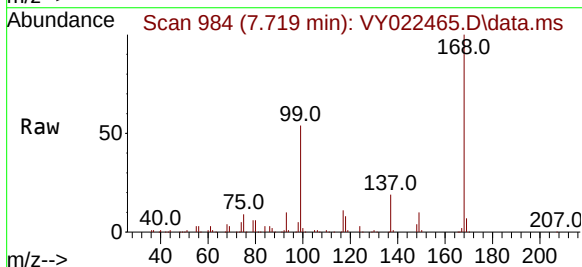
Tgt Ion: 117 Resp: 29279

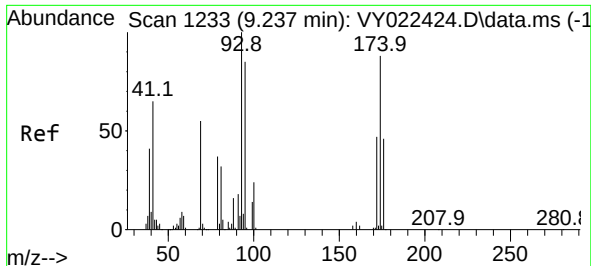
Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

121 0.0 26.1 39.1#





#49

1,4-Dioxane

Concen: 1.898 ug/l

RT: 9.231 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-50

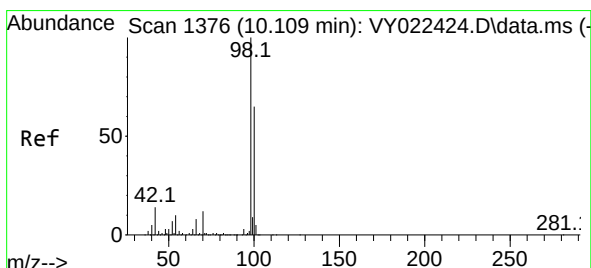
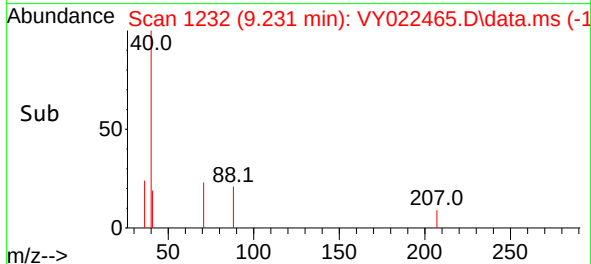
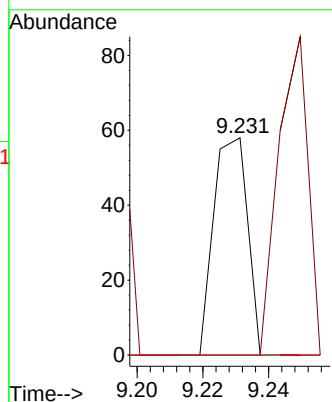
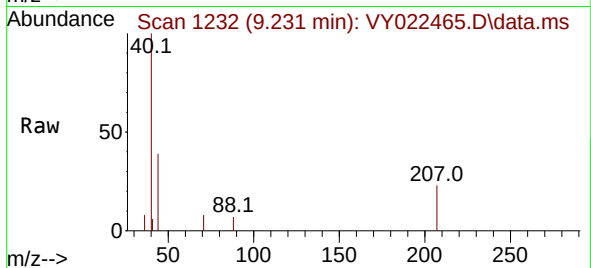
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 129.3 26.9 40.3#

58 0.0 55.8 83.6#



#50

Toluene-d8

Concen: 49.232 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022465.D

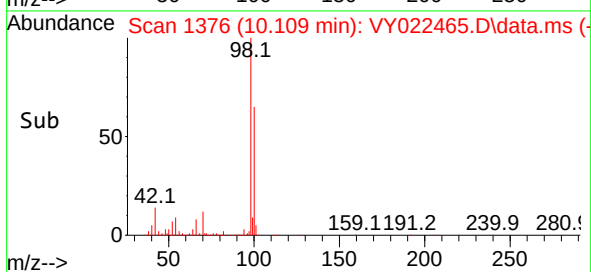
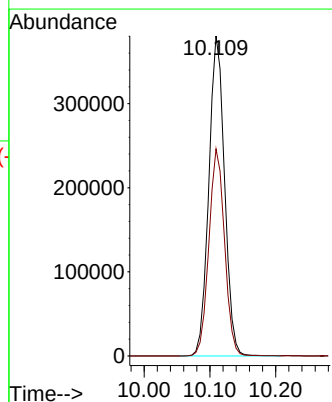
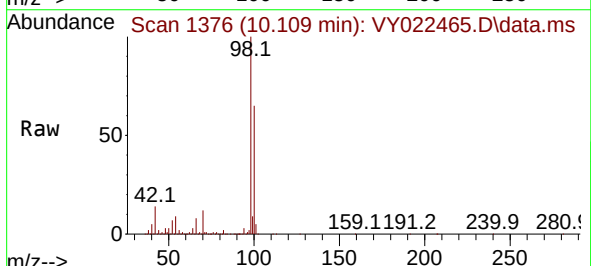
Acq: 29 May 2025 14:22

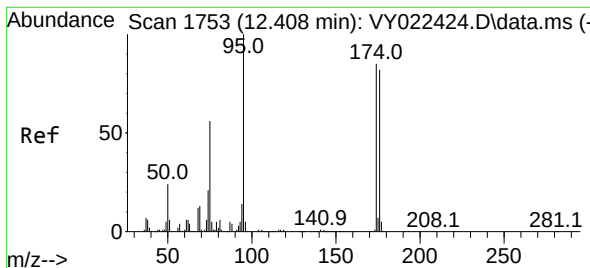
Tgt Ion: 98 Resp: 633488

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 36.103 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-50

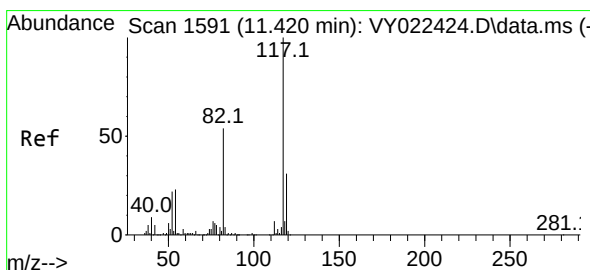
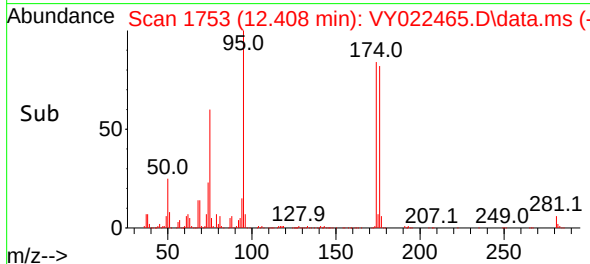
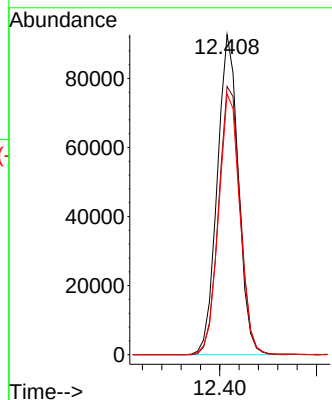
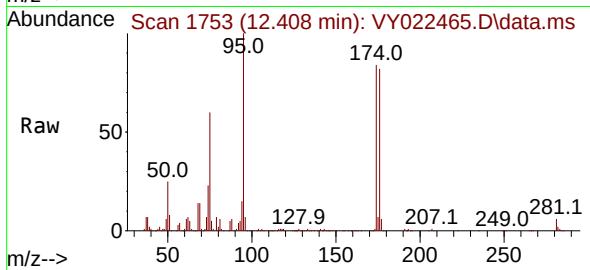
Tgt Ion: 95 Resp: 140518

Ion Ratio Lower Upper

95 100

174 85.8 0.0 171.6

176 82.2 0.0 164.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

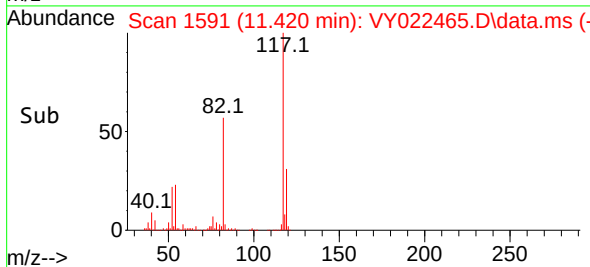
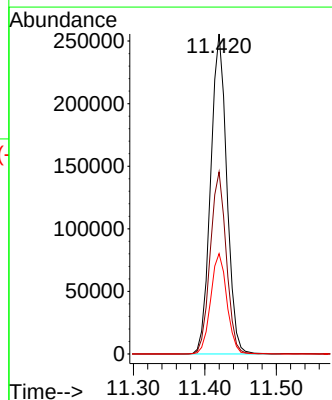
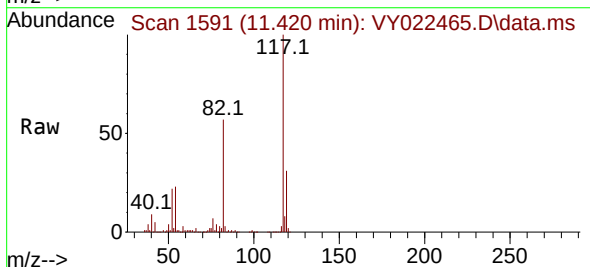
Tgt Ion: 117 Resp: 400662

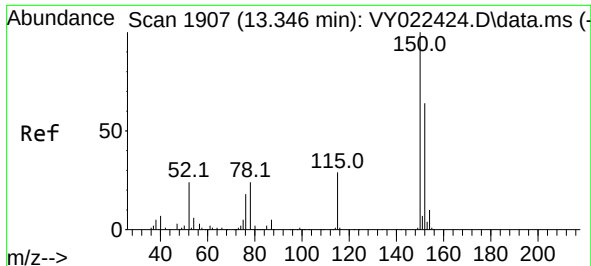
Ion Ratio Lower Upper

117 100

82 56.9 43.3 64.9

119 31.4 24.5 36.7

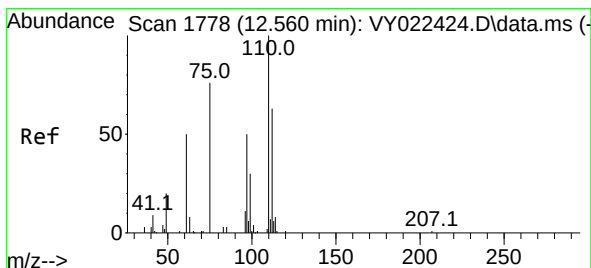
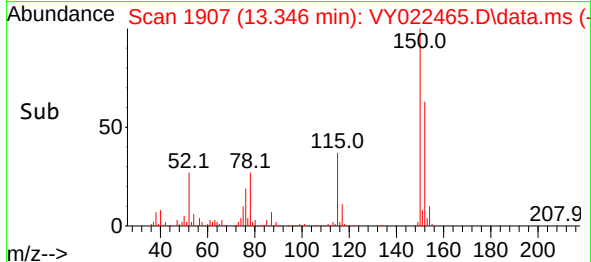
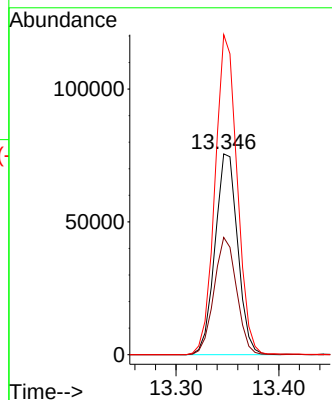
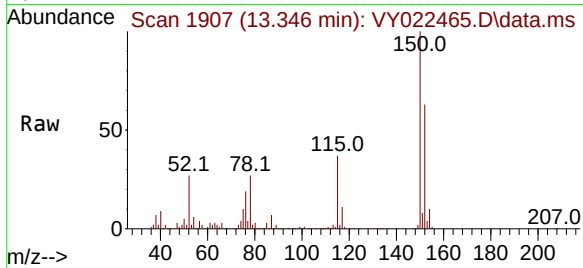




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022465.D
 Acq: 29 May 2025 14:22

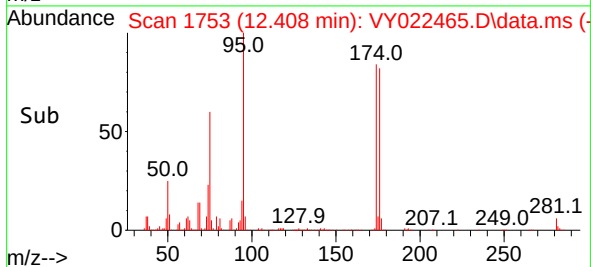
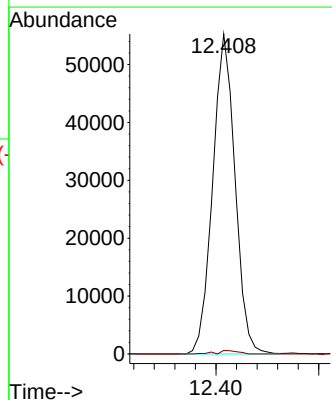
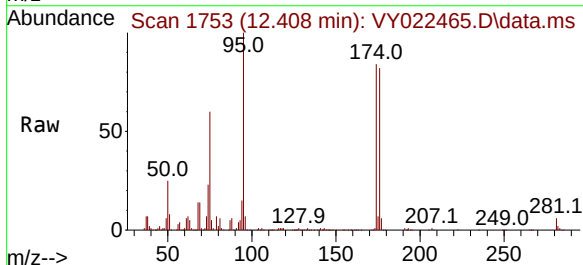
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-50

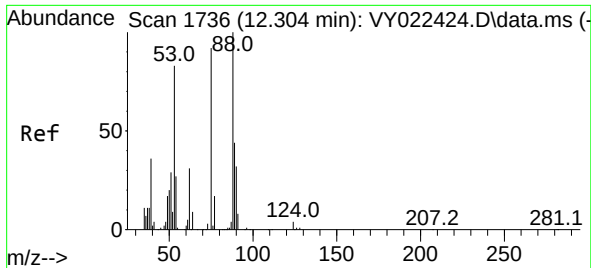
Tgt Ion:152 Resp: 115590
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.4 85.3
 150 156.2 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 71.851 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY022465.D
 Acq: 29 May 2025 14:22

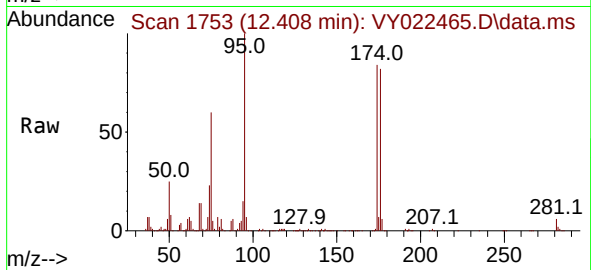
Tgt Ion: 75 Resp: 83191
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 162.488 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022465.D
 Acq: 29 May 2025 14:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-50



Tgt Ion: 75 Resp: 83191
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.1 112.7#
 89 0.1 37.4 56.0#

