

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022859.D
 Acq On : 27 Jun 2025 14:09
 Operator : SY/MD
 Sample : Q2436-04
 Misc : 7.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-86

Quant Time: Jun 27 23:18:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	145217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	257521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	236239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	89826	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	82314	50.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.580%
35) Dibromofluoromethane	7.640	113	82993	52.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.980%
50) Toluene-d8	10.109	98	299626	48.213	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.420%
62) 4-Bromofluorobenzene	12.407	95	100986	50.549	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.100%

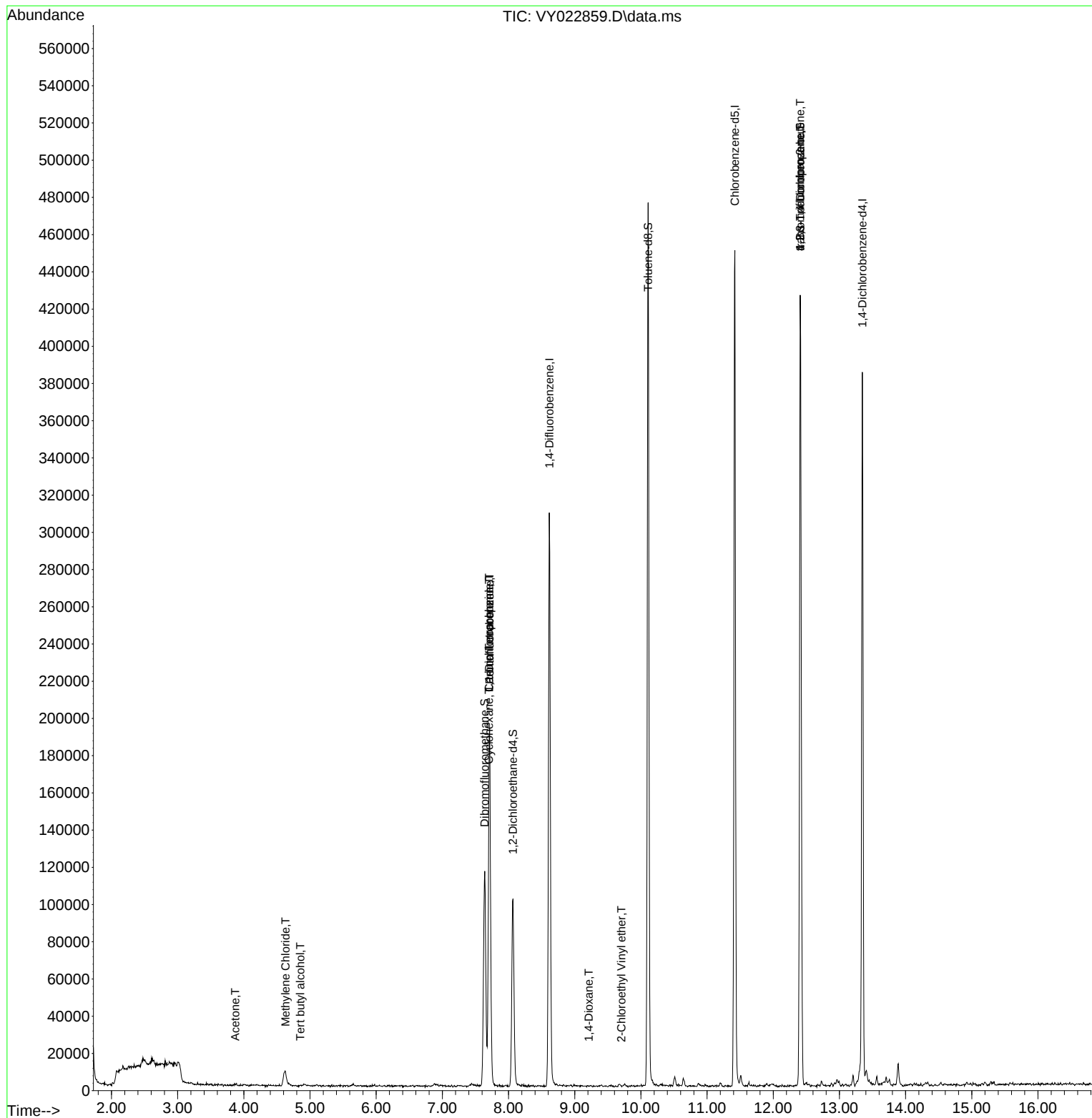
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.854	59	128	1.188	ug/l #	73
16) Acetone	3.872	43	911	2.974	ug/l #	87
20) Methylene Chloride	4.628	84	5276	2.727	ug/l #	88
31) Cyclohexane	7.701	56	3538	1.271	ug/l #	49
36) 1,1-Dichloropropene	7.707	75	13377	5.635	ug/l #	44
38) Carbon Tetrachloride	7.707	117	15166	6.055	ug/l #	17
49) 1,4-Dioxane	9.213	88	40	3.491	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.707	63	46	15.704	ug/l #	48
76) 1,2,3-Trichloropropane	12.407	75	58535	63.830	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	58535	161.259	ug/l #	11

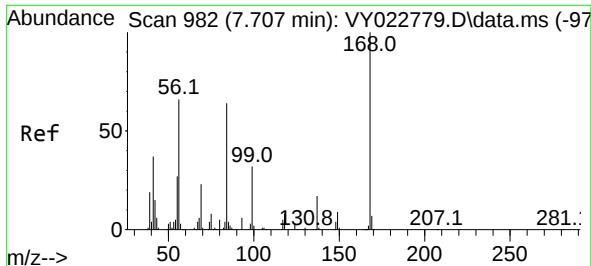
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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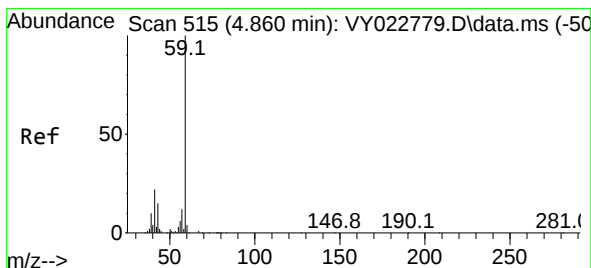
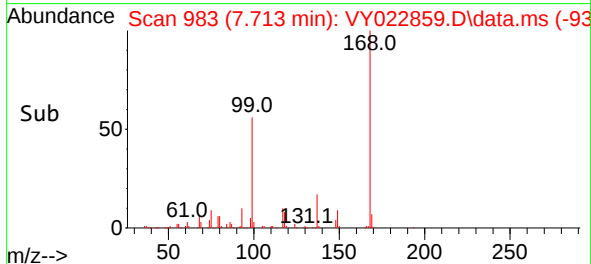
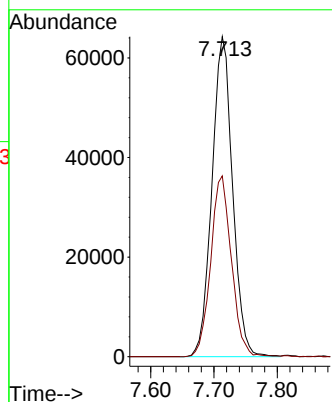
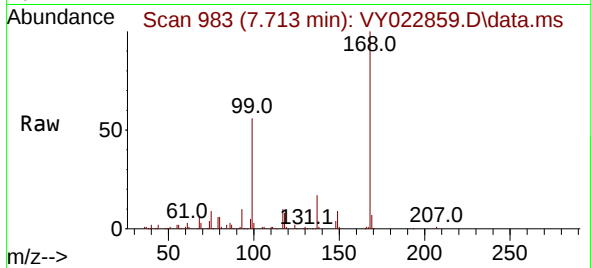




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

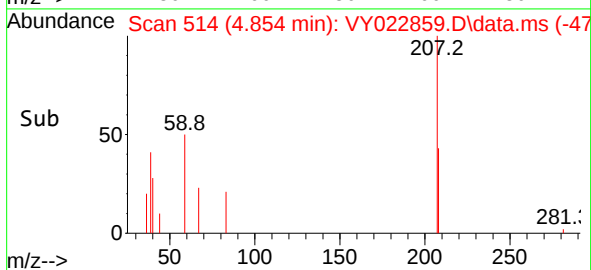
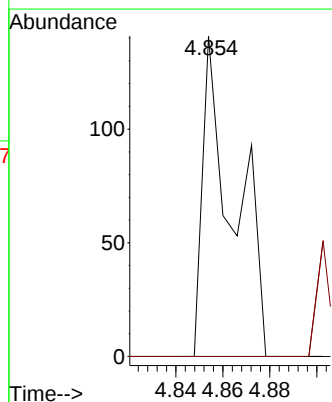
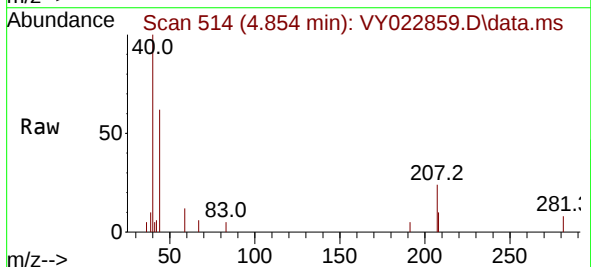
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

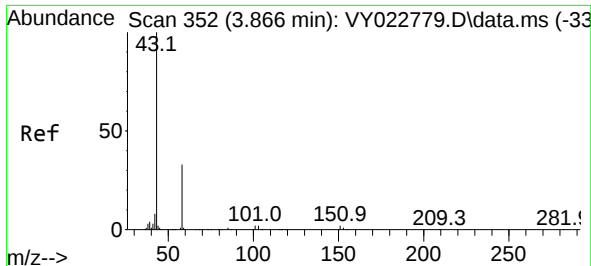
Tgt Ion:168 Resp: 145217
Ion Ratio Lower Upper
168 100
99 56.5 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.188 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.031 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

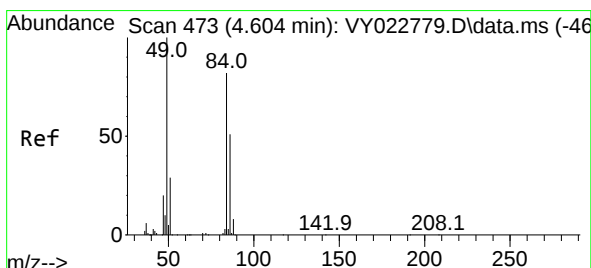
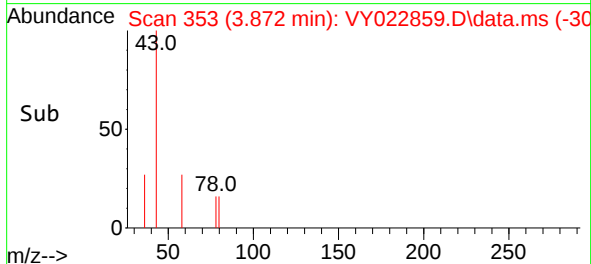
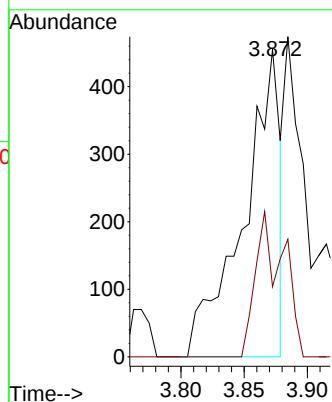
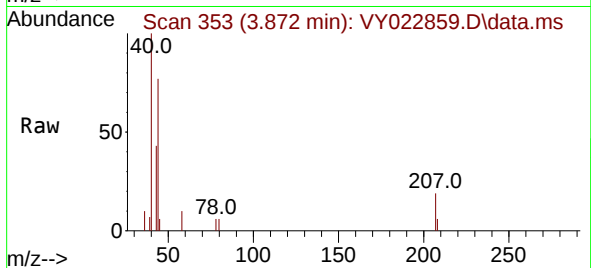




#16
Acetone
Concen: 2.974 ug/l
RT: 3.872 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

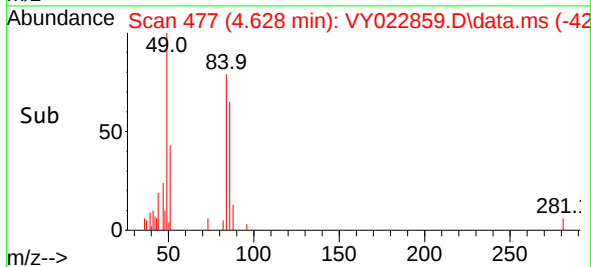
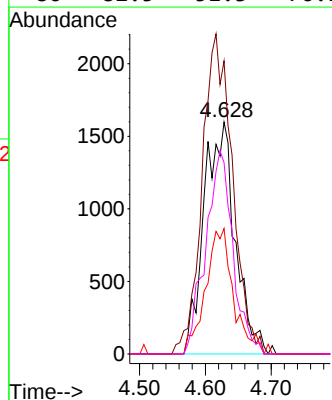
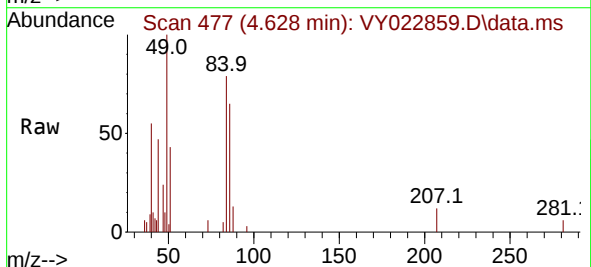
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

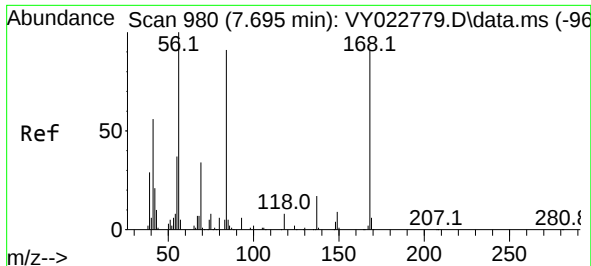
Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
58 22.9 24.0 36.0#



#20
Methylene Chloride
Concen: 2.727 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

Tgt Ion: 84 Resp: 5276
Ion Ratio Lower Upper
84 100
49 126.3 101.9 152.9
51 54.1 29.8 44.8#
86 82.5 51.3 76.9#

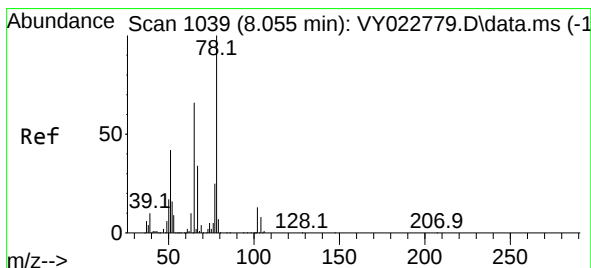
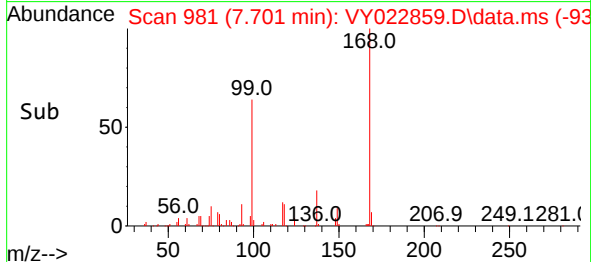
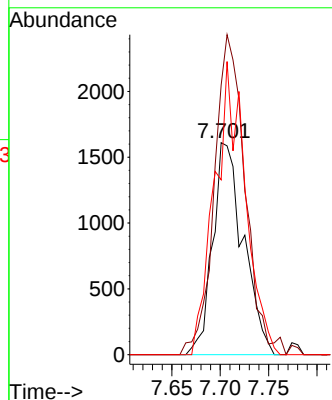
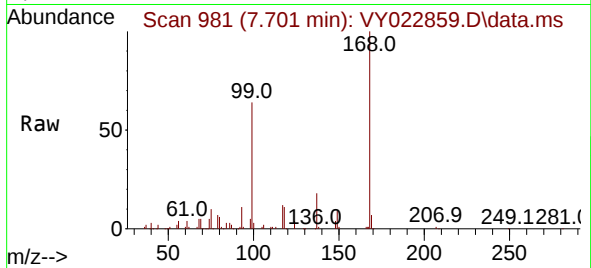




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

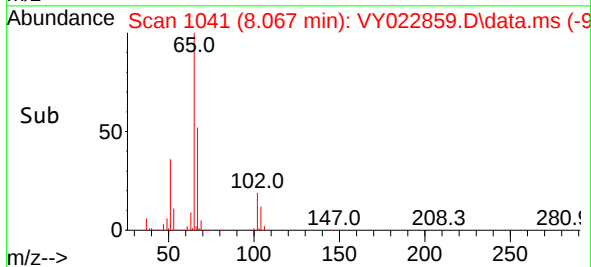
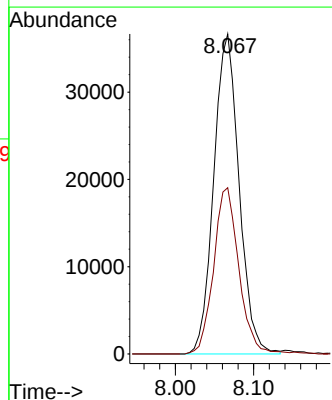
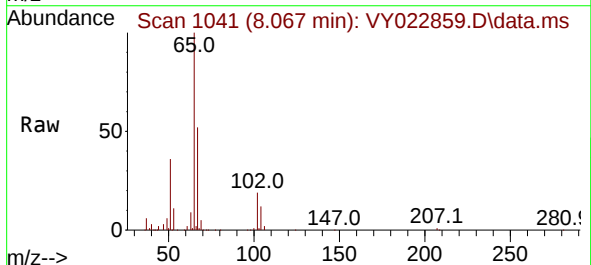
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

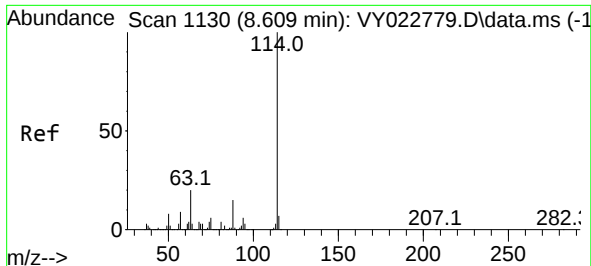
Tgt Ion: 56 Resp: 3538
Ion Ratio Lower Upper
56 100
69 127.2 27.0 40.6#
84 82.5 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 50.787 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

Tgt Ion: 65 Resp: 82314
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

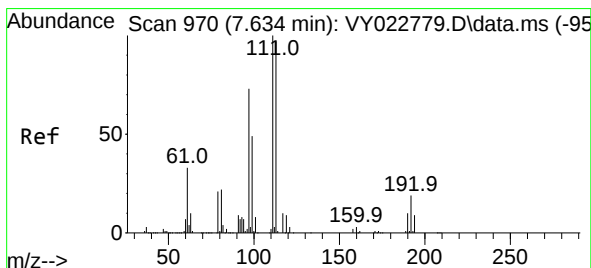
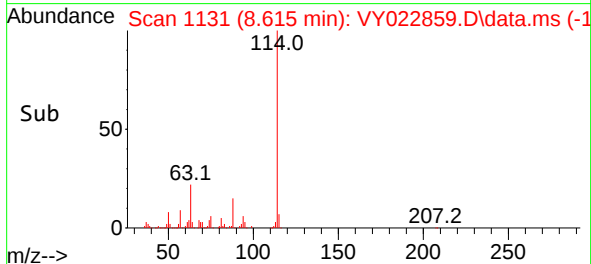
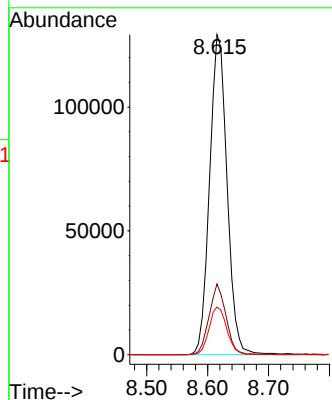
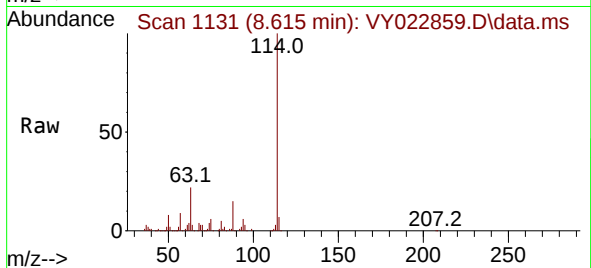




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

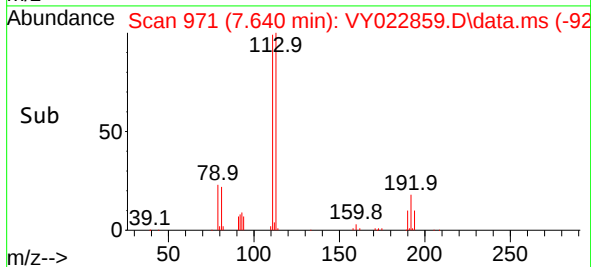
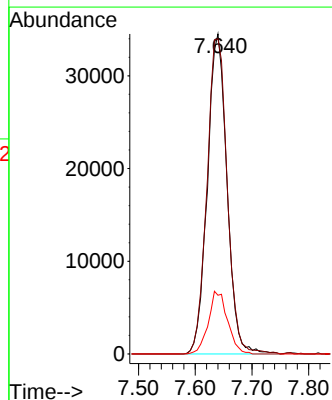
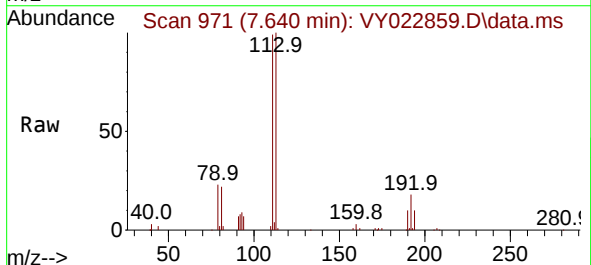
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

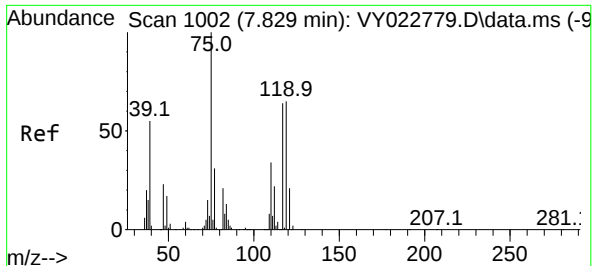
Tgt Ion:114 Resp: 257521
Ion Ratio Lower Upper
114 100
63 22.1 0.0 40.8
88 14.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.993 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

Tgt Ion:113 Resp: 82993
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 19.2 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.635 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022859.D

Acq: 27 Jun 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-86

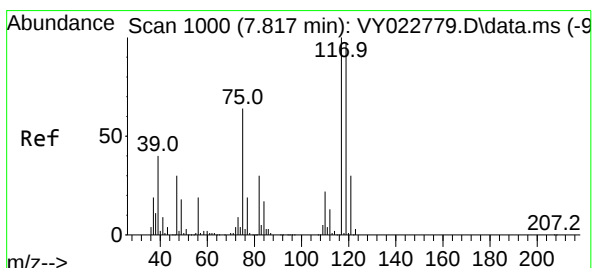
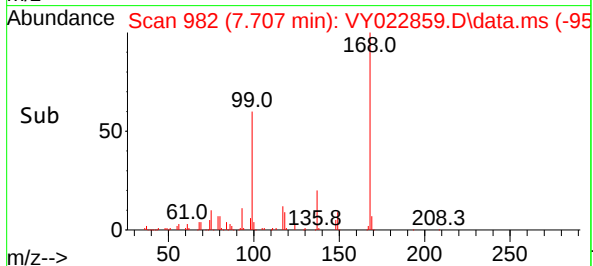
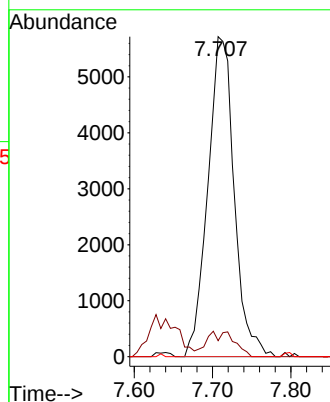
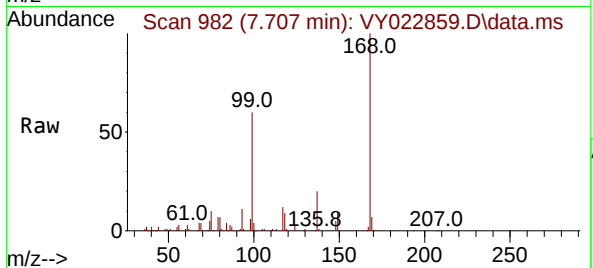
Tgt Ion: 75 Resp: 13377

Ion Ratio Lower Upper

75 100

110 2.5 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.055 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022859.D

Acq: 27 Jun 2025 14:09

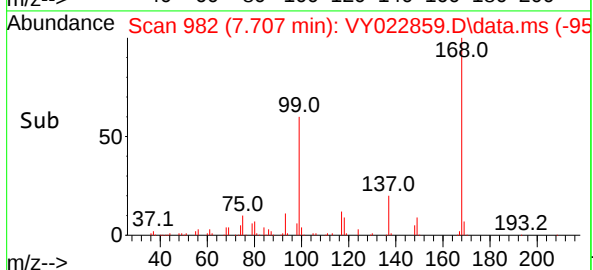
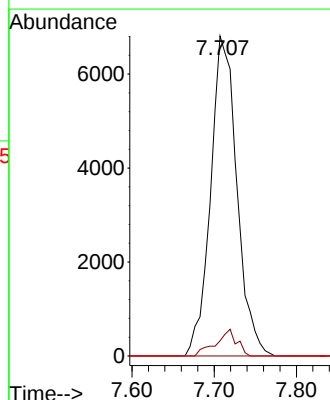
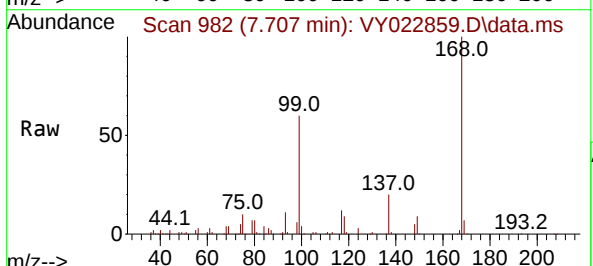
Tgt Ion: 117 Resp: 15166

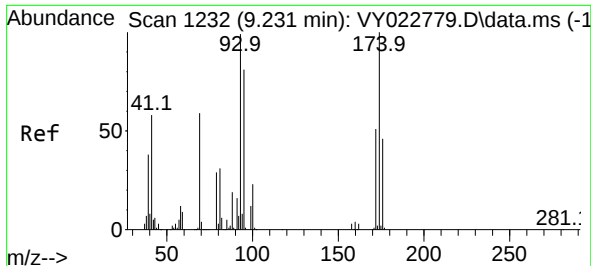
Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 3.491 ug/l

RT: 9.213 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY022859.D

Acq: 27 Jun 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-86

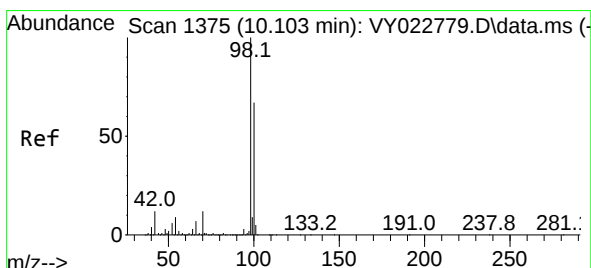
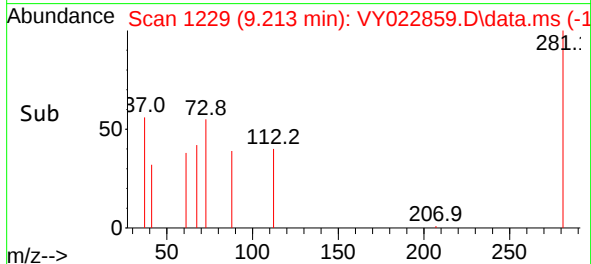
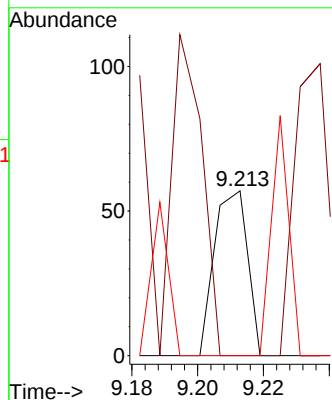
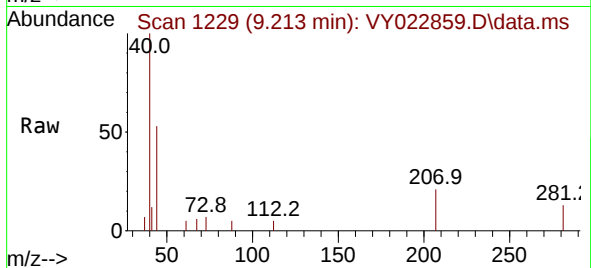
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 48.213 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022859.D

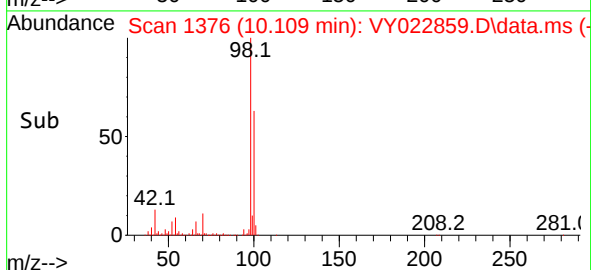
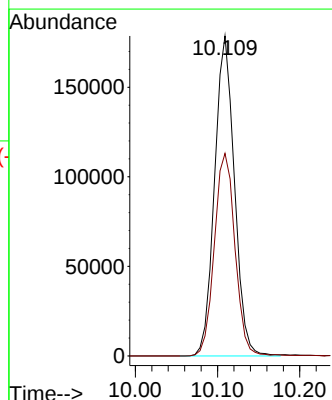
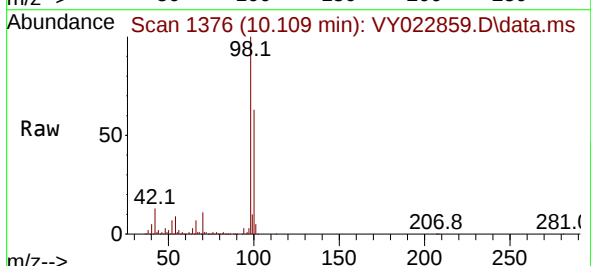
Acq: 27 Jun 2025 14:09

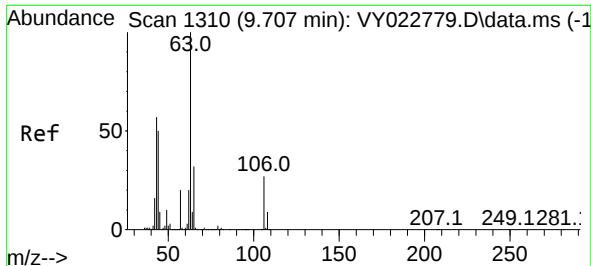
Tgt Ion: 98 Resp: 299626

Ion Ratio Lower Upper

98 100

100 65.9 51.4 77.0

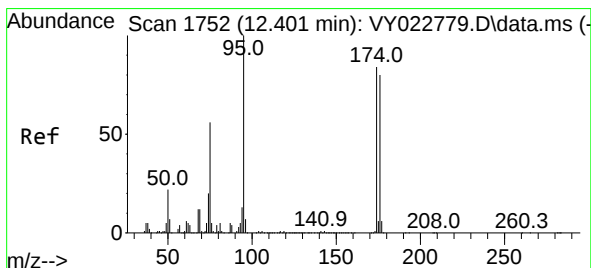
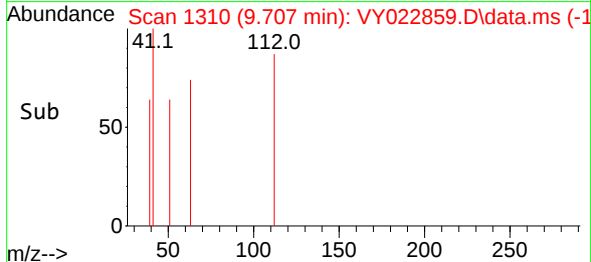
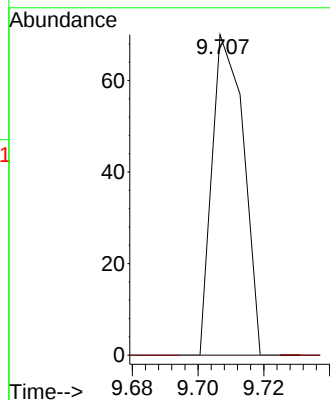
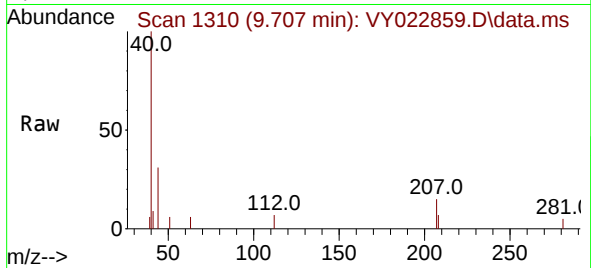




#58
2-Chloroethyl Vinyl ether
Concen: 15.704 ug/l
RT: 9.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

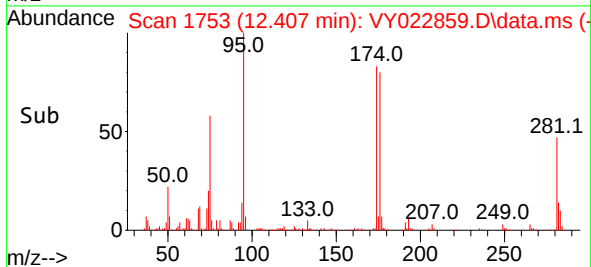
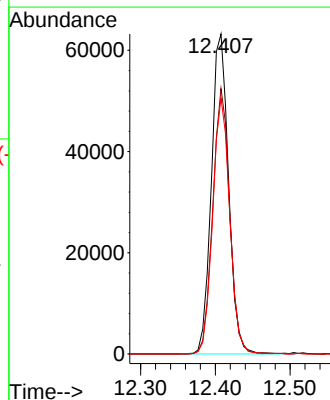
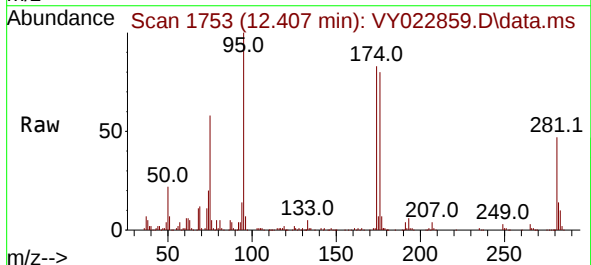
Instrument :
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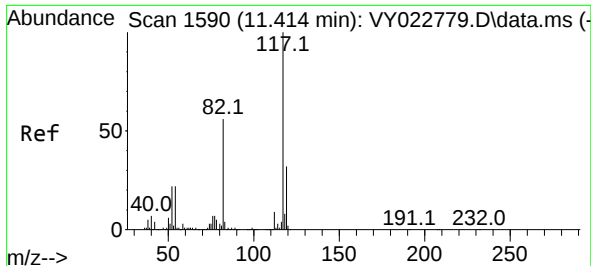
Tgt Ion: 63 Resp: 46
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 50.549 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

Tgt Ion: 95 Resp: 100986
Ion Ratio Lower Upper
95 100
174 81.7 0.0 170.0
176 79.1 0.0 166.2

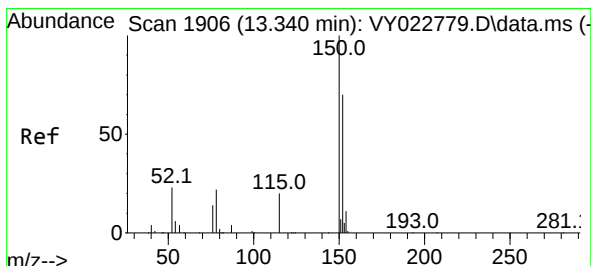
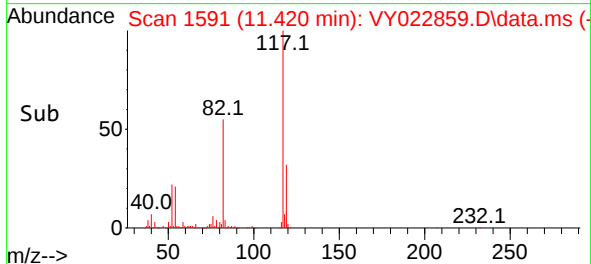
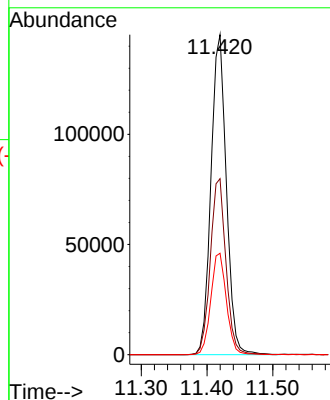
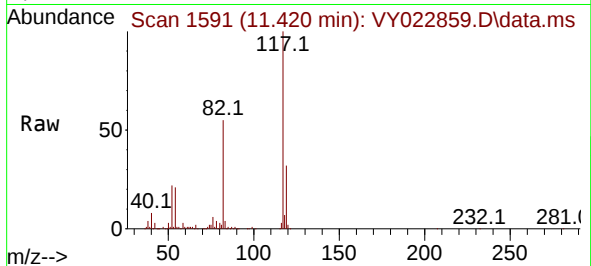




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

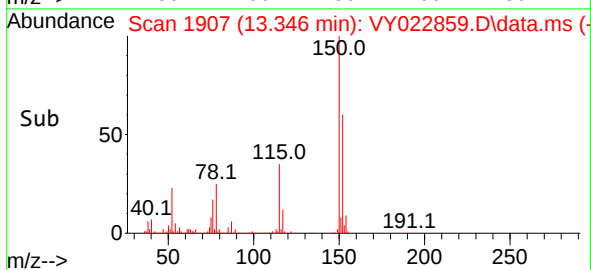
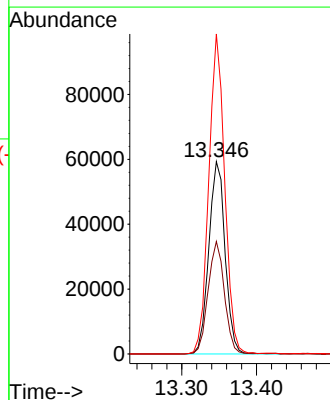
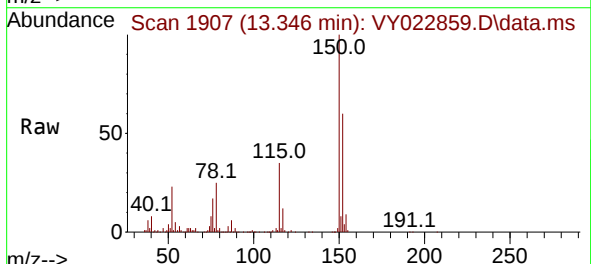
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

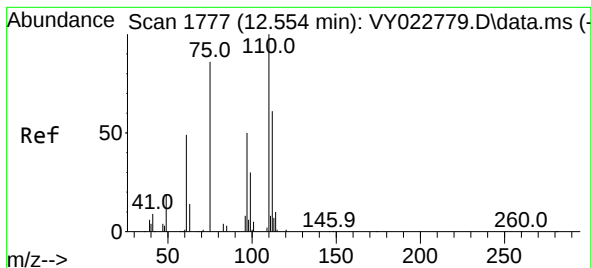
Tgt Ion:117 Resp: 236239
Ion Ratio Lower Upper
117 100
82 55.0 44.6 66.8
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022859.D
Acq: 27 Jun 2025 14:09

Tgt Ion:152 Resp: 89826
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.7
150 162.0 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 63.830 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022859.D

Acq: 27 Jun 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

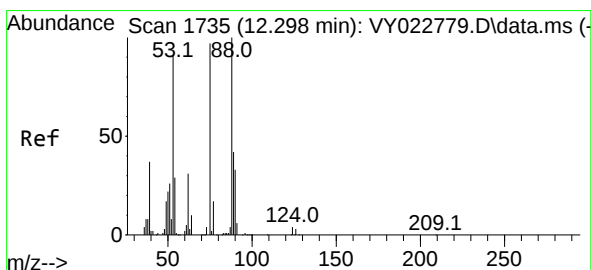
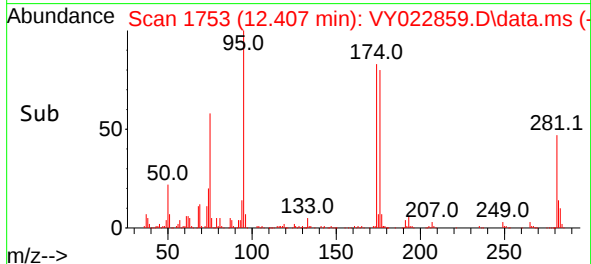
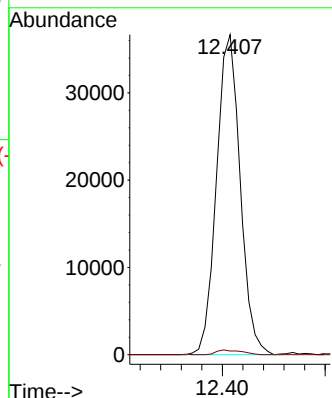
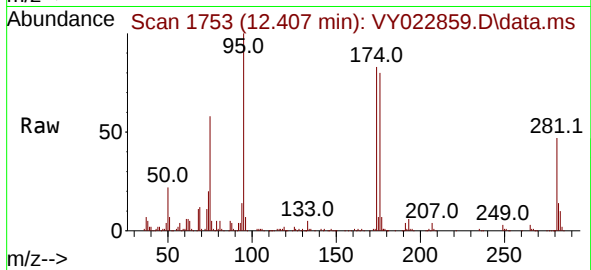
TP-86

Tgt Ion: 75 Resp: 58535

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 161.259 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.103 min

Lab File: VY022859.D

Acq: 27 Jun 2025 14:09

Tgt Ion: 75 Resp: 58535

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 1.0 35.7 53.5#

