

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022959.D
 Acq On : 07 Jul 2025 14:48
 Operator : SY/MD
 Sample : Q2584-02
 Misc : 3.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-57

Quant Time: Jul 08 01:48:17 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)

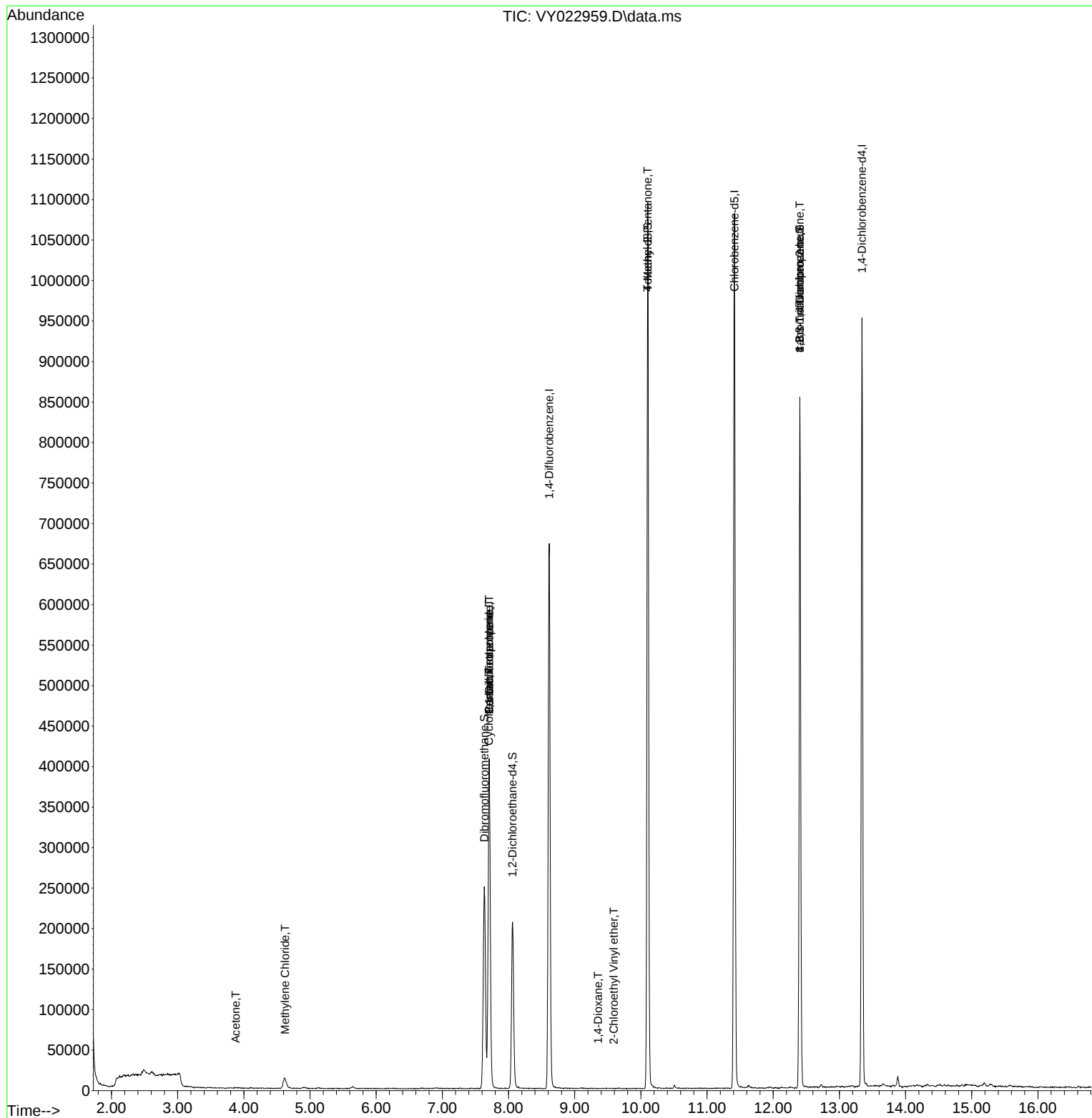
Internal Standards						
1) Pentafluorobenzene	7.707	168	301710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	565210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	552333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	223902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162420	48.233	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.460%		
35) Dibromofluoromethane	7.634	113	175192	50.967	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.940%		
50) Toluene-d8	10.103	98	689369	50.541	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.080%		
62) 4-Bromofluorobenzene	12.402	95	234355	53.447	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	106.900%		
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1149	1.805	ug/l	96
20) Methylene Chloride	4.622	84	9408	2.341	ug/l	92
31) Cyclohexane	7.701	56	7344	1.270	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	26486	5.084	ug/l #	51
38) Carbon Tetrachloride	7.707	117	31020	5.643	ug/l #	16
49) 1,4-Dioxane	9.353	88	30	1.193	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	3580	1.508	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.591	63	23	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	132550	57.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	132550	146.498	ug/l #	11

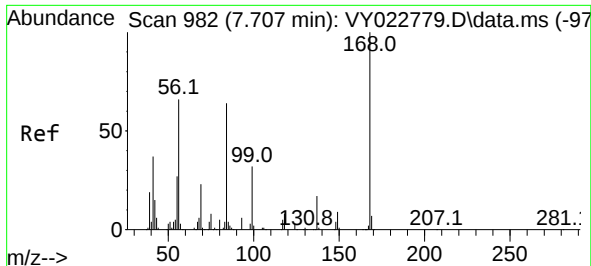
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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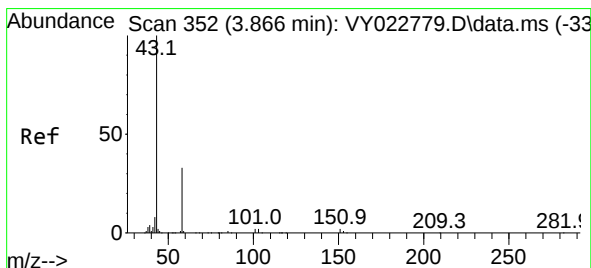
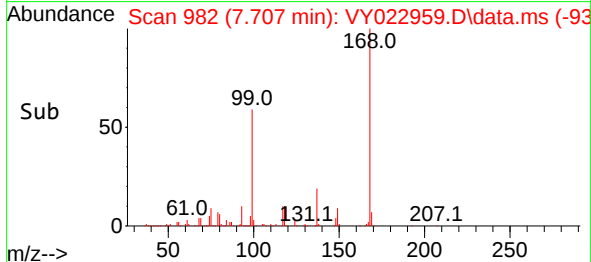
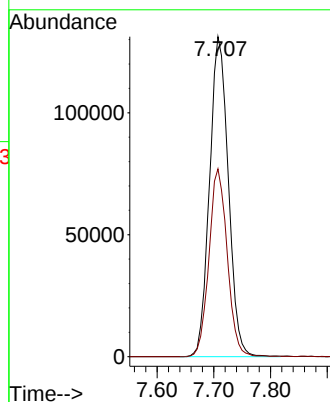
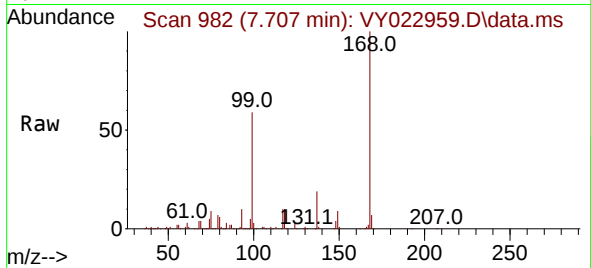




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

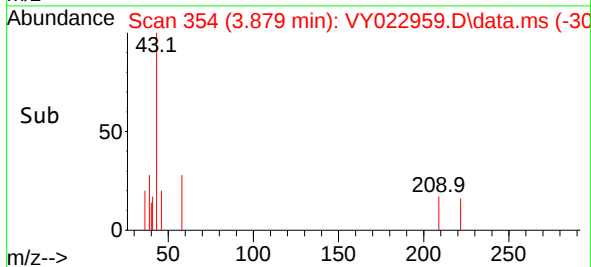
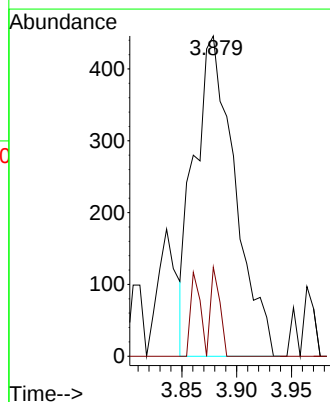
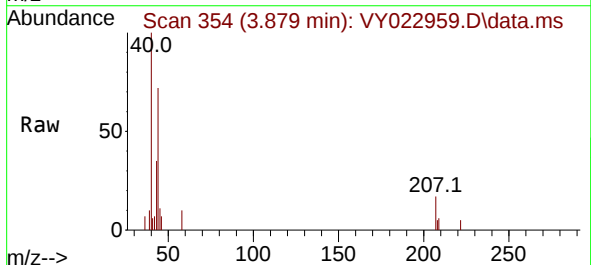
Instrument :
MSVOA_Y
ClientSampleId :
TP-57

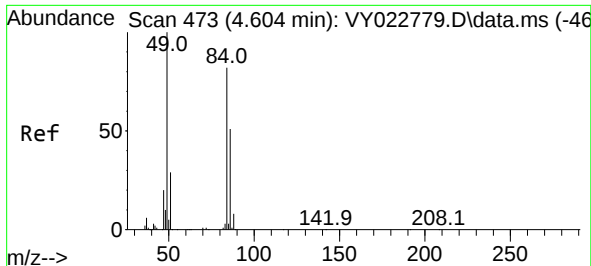
Tgt Ion:168 Resp: 301710
Ion Ratio Lower Upper
168 100
99 58.7 44.3 66.5



#16
Acetone
Concen: 1.805 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 27.8 24.0 36.0

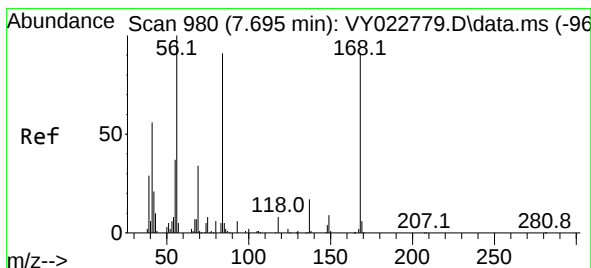
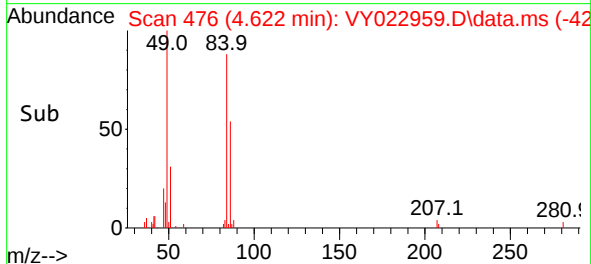
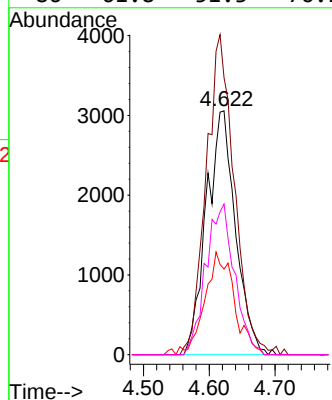
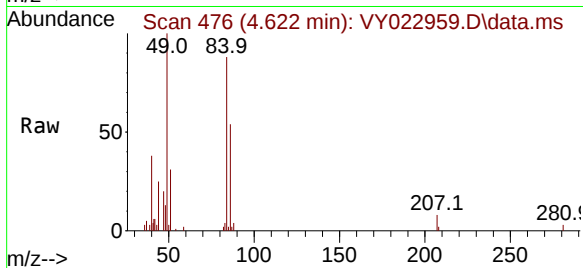




#20
Methylene Chloride
Concen: 2.341 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

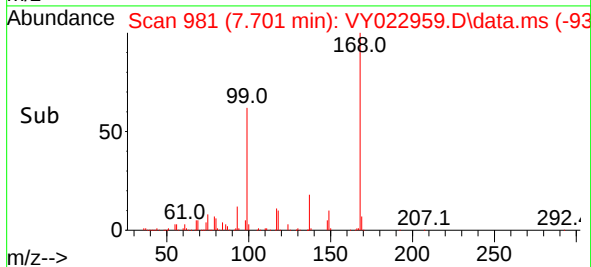
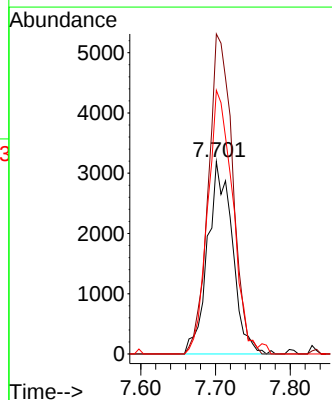
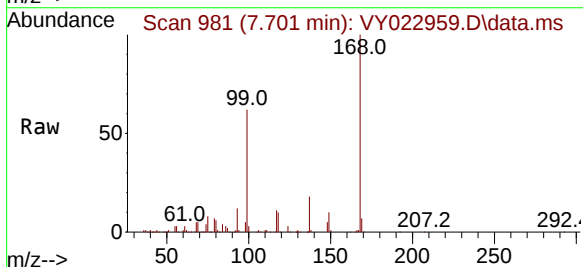
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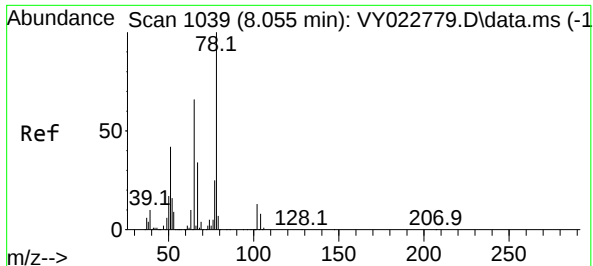
Tgt Ion:	84	Resp:	9408
Ion	Ratio	Lower	Upper
84	100		
49	113.6	101.9	152.9
51	35.1	29.8	44.8
86	61.8	51.3	76.9



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

Tgt Ion:	56	Resp:	7344
Ion	Ratio	Lower	Upper
56	100		
69	166.4	27.0	40.6#
84	137.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.233 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022959.D

Acq: 07 Jul 2025 14:48

Instrument :

MSVOA_Y

ClientSampleId :

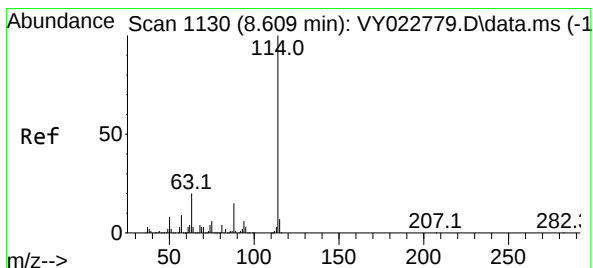
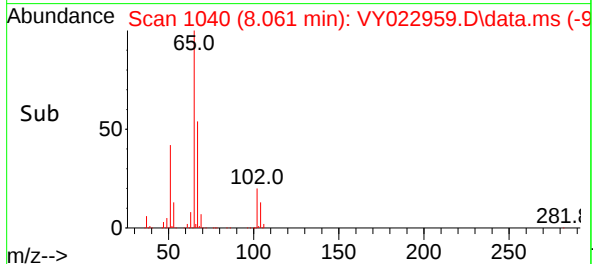
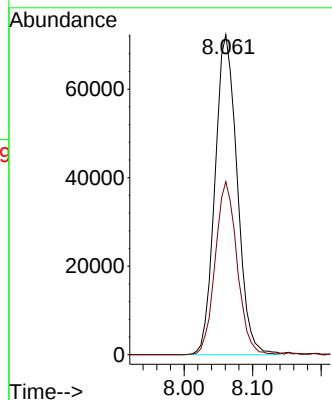
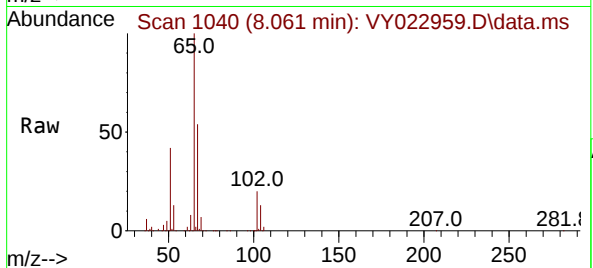
TP-57

Tgt Ion: 65 Resp: 162420

Ion Ratio Lower Upper

65 100

67 53.3 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: VY022959.D

Acq: 07 Jul 2025 14:48

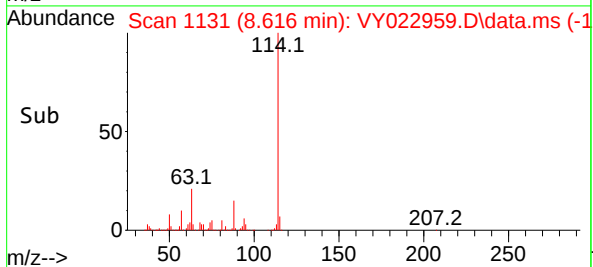
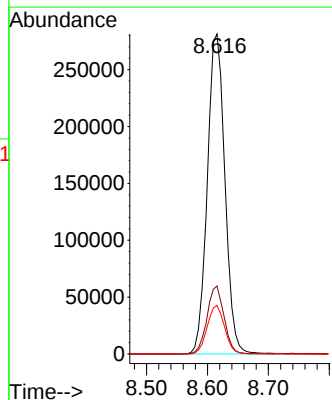
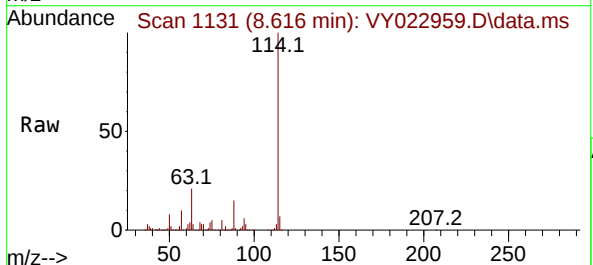
Tgt Ion: 114 Resp: 565210

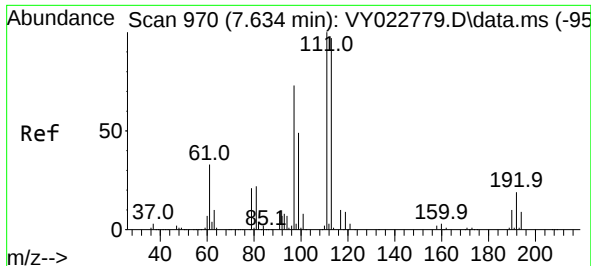
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 15.2 0.0 27.8

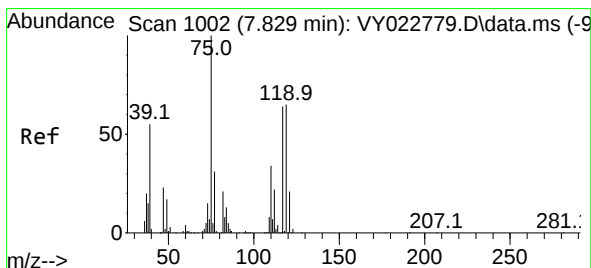
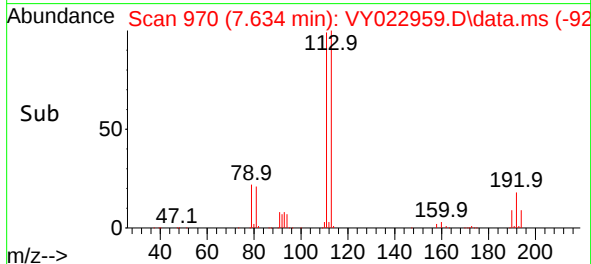
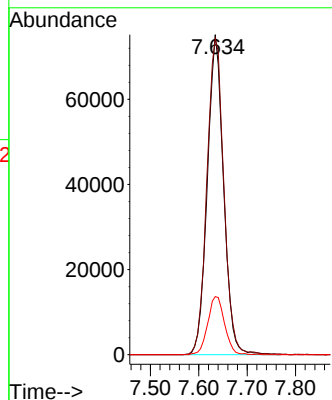
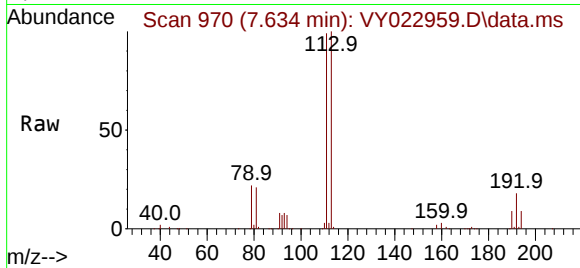




#35
Dibromofluoromethane
Concen: 50.967 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

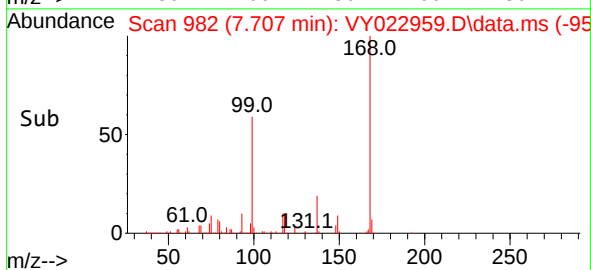
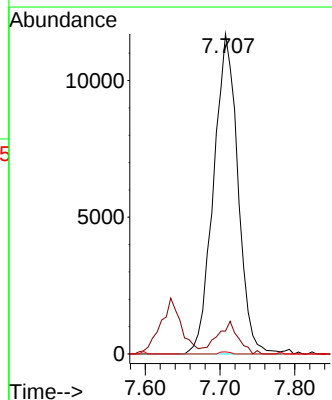
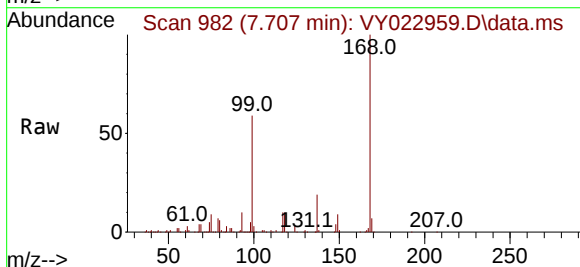
Instrument :
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ClientSampleId :
TP-57

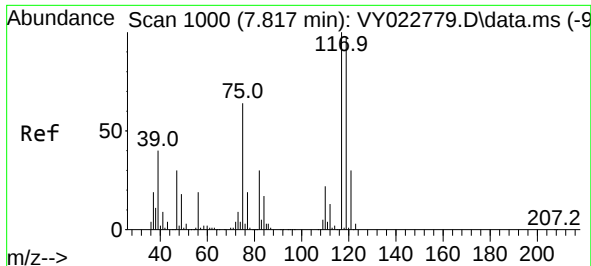
Tgt Ion:113 Resp: 175192
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 18.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.084 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

Tgt Ion: 75 Resp: 26486
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.3 24.8 37.2#

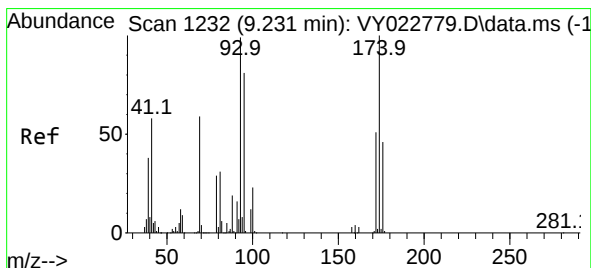
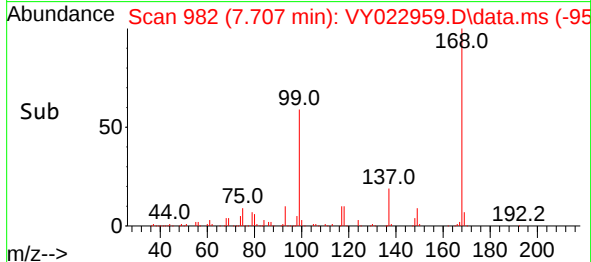
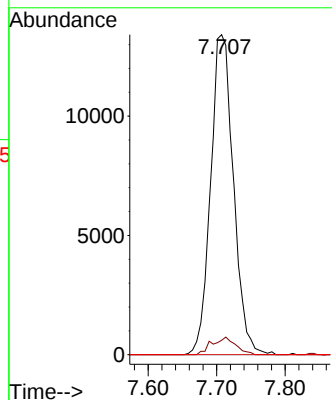
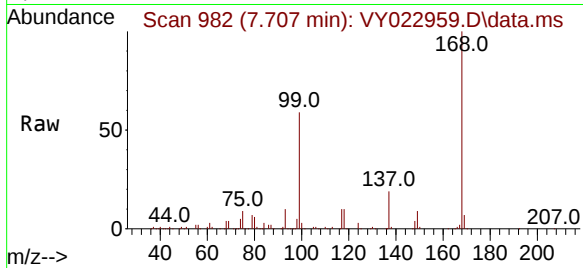




#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

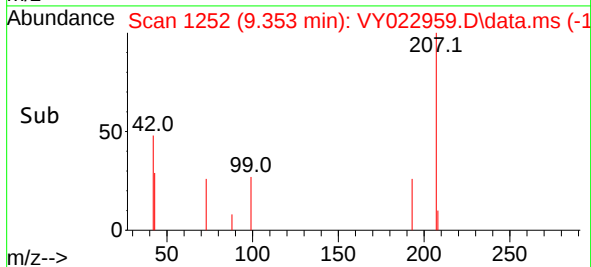
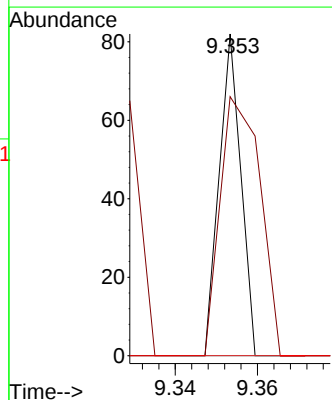
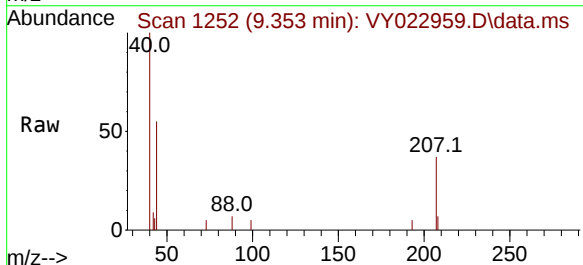
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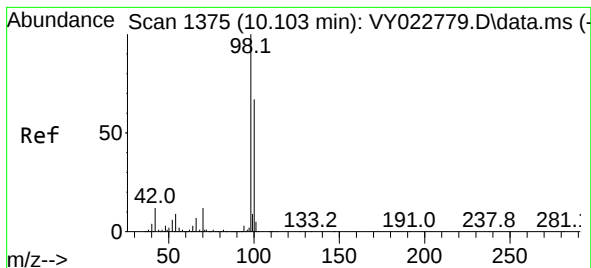
Tgt Ion:117 Resp: 31020
Ion Ratio Lower Upper
117 100
119 4.5 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.193 ug/l
RT: 9.353 min Scan# 1252
Delta R.T. 0.110 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 150.0 25.4 38.2#
58 0.0 54.9 82.3#





#50

Toluene-d8

Concen: 50.541 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022959.D

Acq: 07 Jul 2025 14:48

Instrument :

MSVOA_Y

ClientSampleId :

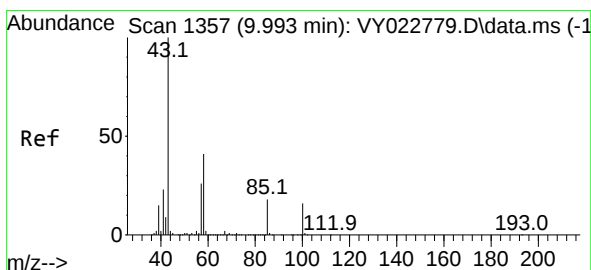
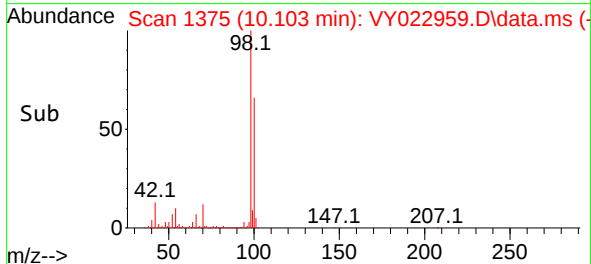
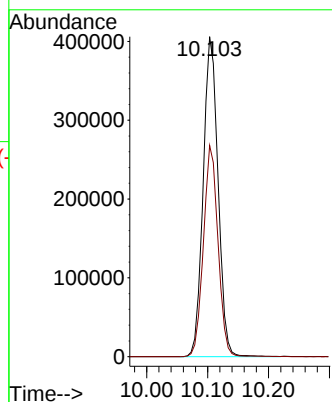
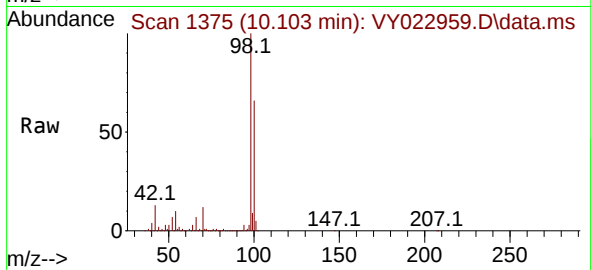
TP-57

Tgt Ion: 98 Resp: 689369

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.508 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.104 min

Lab File: VY022959.D

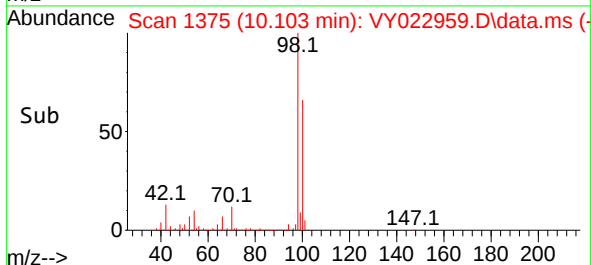
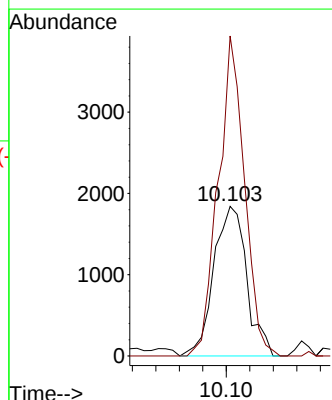
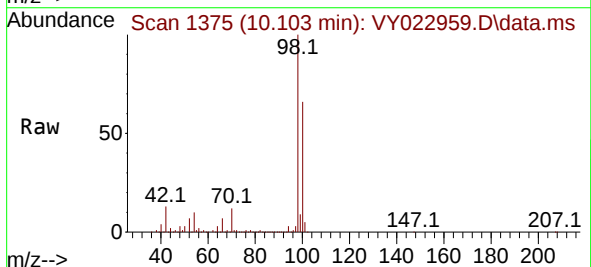
Acq: 07 Jul 2025 14:48

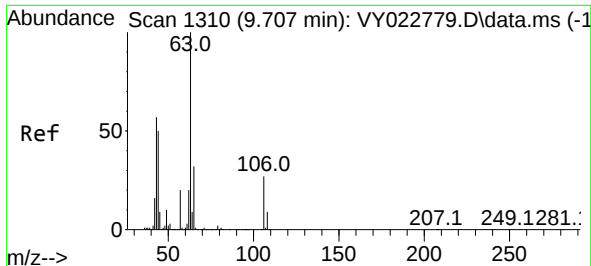
Tgt Ion: 43 Resp: 3580

Ion Ratio Lower Upper

43 100

58 171.3 30.4 45.6#

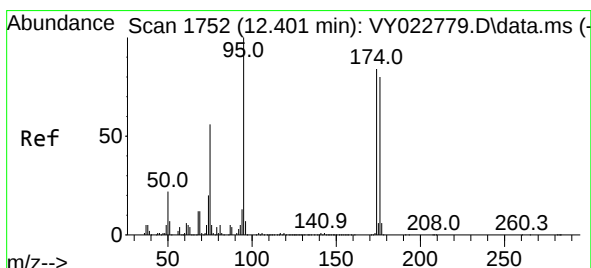
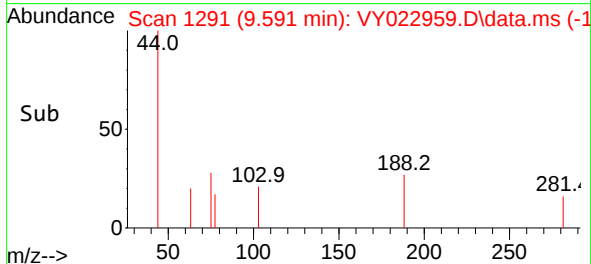
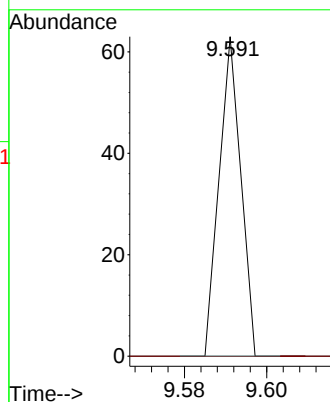
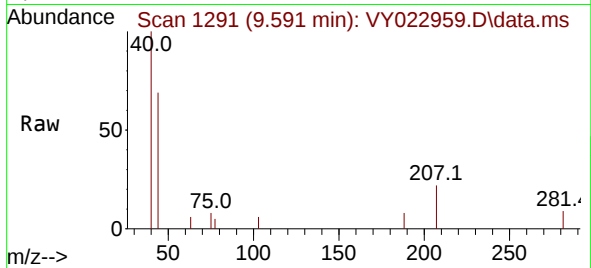




#58
2-Chloroethyl Vinyl ether
Concen: 15.666 ug/l
RT: 9.591 min Scan# 11
Delta R.T. -0.122 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

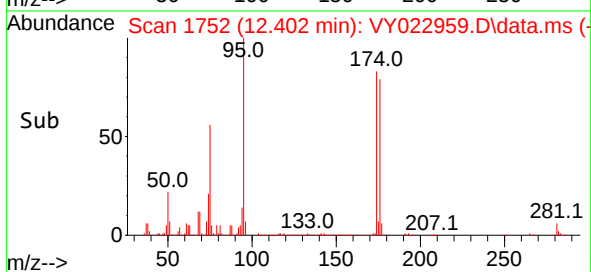
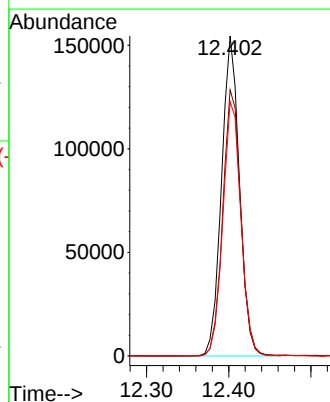
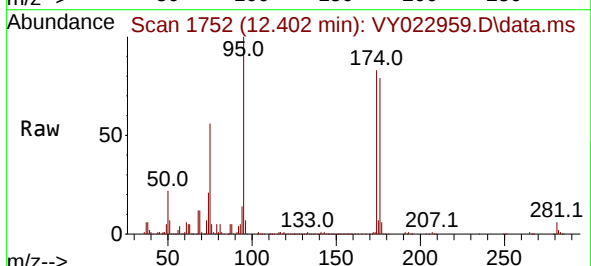
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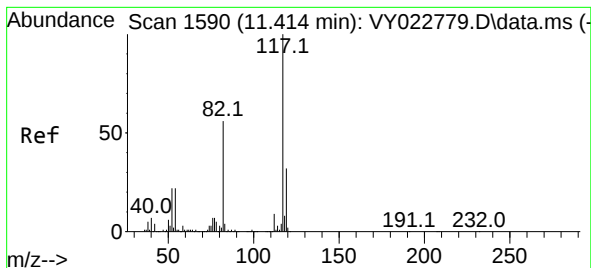
Tgt Ion: 63 Resp: 23
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 53.447 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022959.D
Acq: 07 Jul 2025 14:48

Tgt Ion: 95 Resp: 234355
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.0
176 80.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022959.D

Acq: 07 Jul 2025 14:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-57

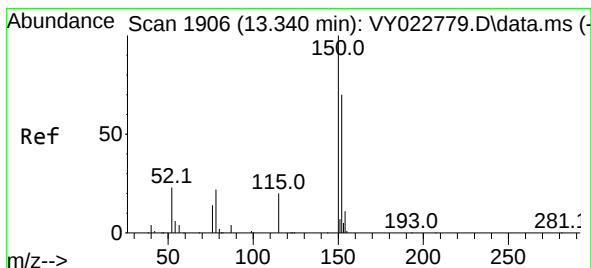
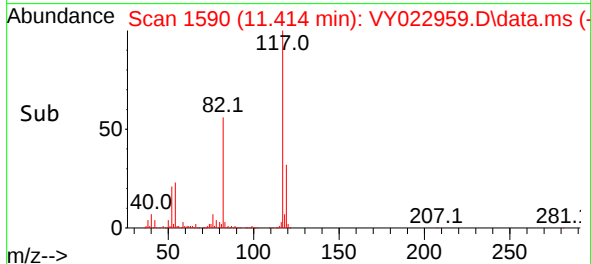
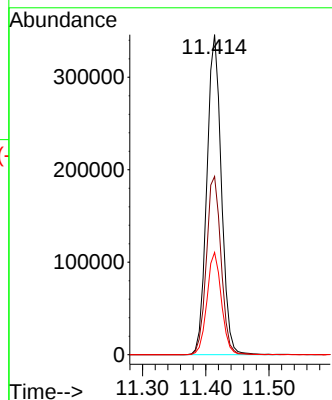
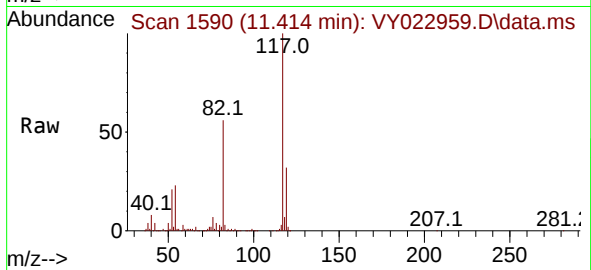
Tgt Ion:117 Resp: 552333

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022959.D

Acq: 07 Jul 2025 14:48

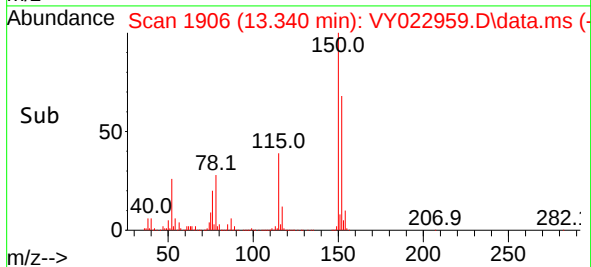
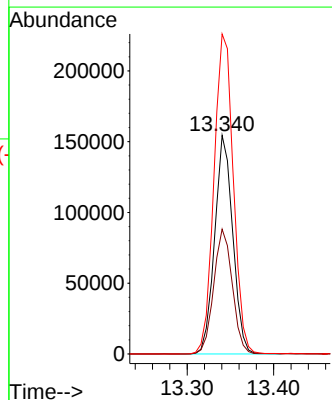
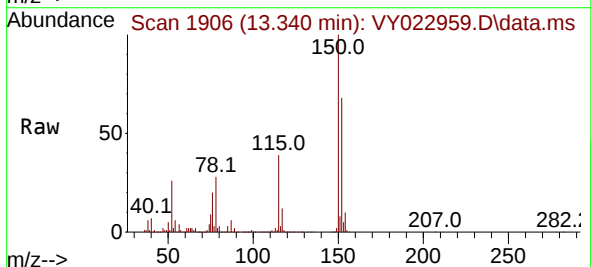
Tgt Ion:152 Resp: 223902

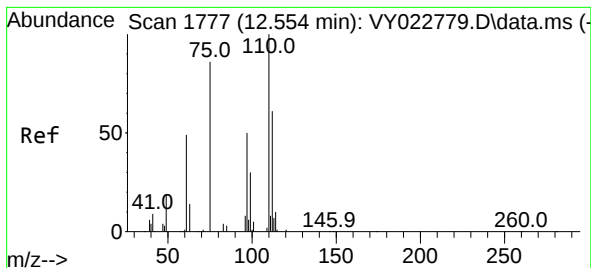
Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 156.6 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 57.987 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022959.D

Acq: 07 Jul 2025 14:48

Instrument :

MSVOA_Y

ClientSampleId :

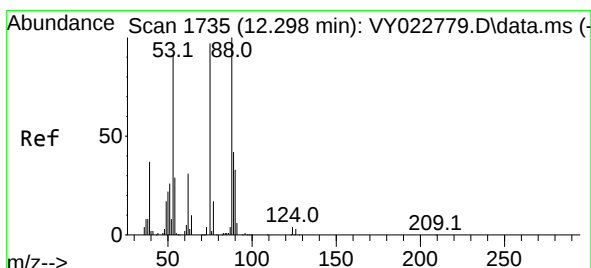
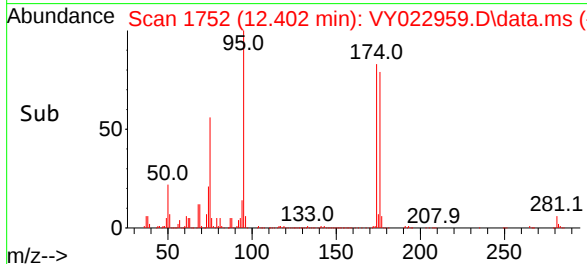
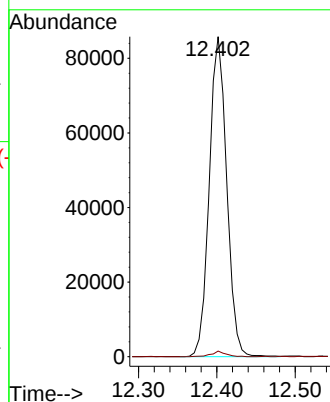
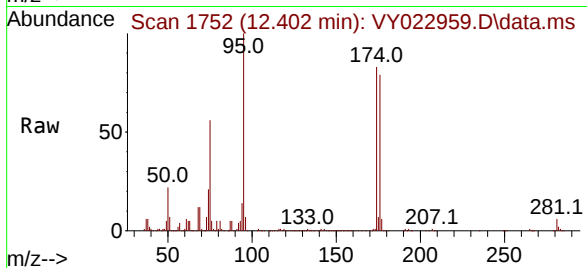
TP-57

Tgt Ion: 75 Resp: 132550

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.498 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022959.D

Acq: 07 Jul 2025 14:48

Tgt Ion: 75 Resp: 132550

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.3 35.7 53.5#

