

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022914.D
 Acq On : 02 Jul 2025 15:56
 Operator : SY/MD
 Sample : Q2458-07
 Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-62

Quant Time: Jul 03 02:23:57 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	277237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	246603	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180233	58.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.500%
35) Dibromofluoromethane	7.634	113	171976	52.754	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.500%
50) Toluene-d8	10.103	98	656357	50.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.402	95	242137	58.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	116.460%

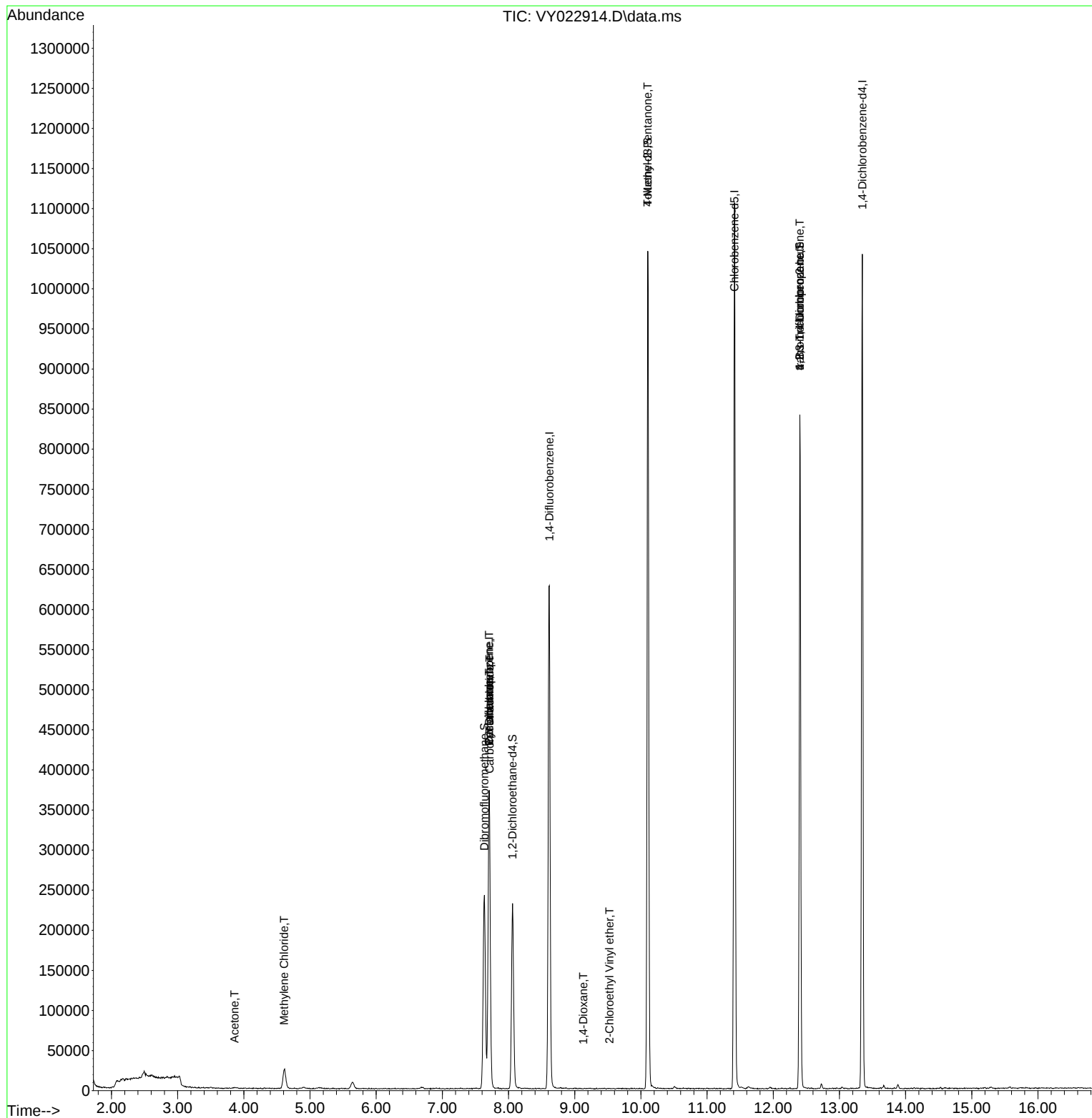
Target Compounds					Qvalue	
16) Acetone	3.860	43	1985	3.394	ug/l	# 88
20) Methylene Chloride	4.610	84	17042	4.614	ug/l	96
31) Cyclohexane	7.707	56	7364	1.386	ug/l	# 43
36) 1,1-Dichloropropene	7.707	75	24829	5.025	ug/l	# 51
38) Carbon Tetrachloride	7.713	117	27464	5.268	ug/l	# 17
49) 1,4-Dioxane	9.128	88	24	1.006	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.103	43	3431	1.524	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.524	63	46	15.679	ug/l	# 48
76) 1,2,3-Trichloropropane	12.402	75	138538	55.028	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	138538	139.021	ug/l	# 11

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022914.D
Acq On : 02 Jul 2025 15:56
Operator : SY/MD
Sample : Q2458-07
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-62

Quant Time: Jul 03 02:23:57 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

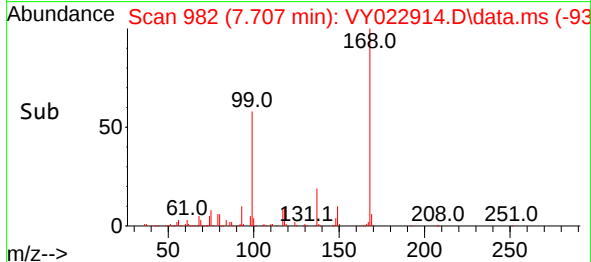
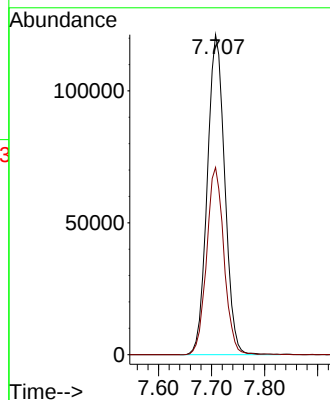
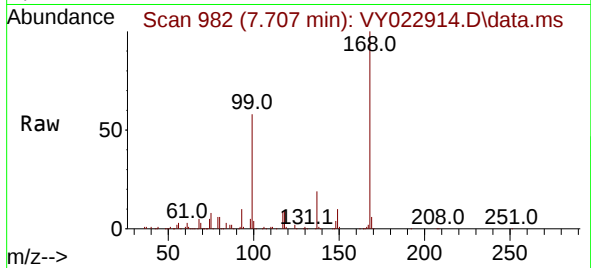




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

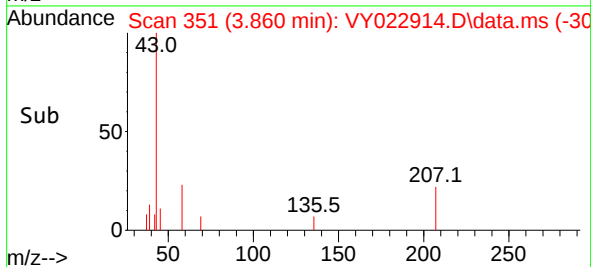
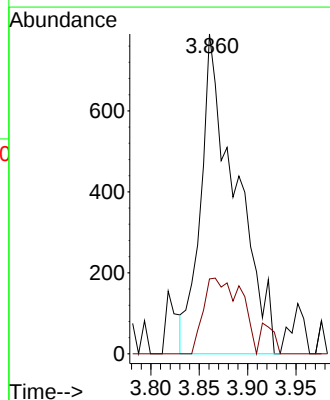
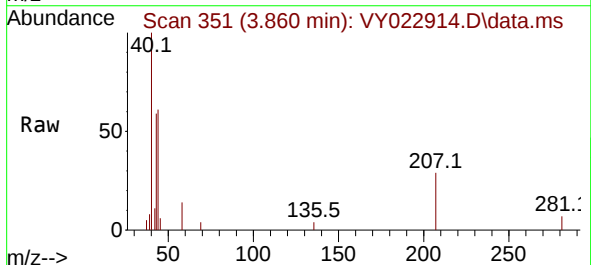
Instrument :
MSVOA_Y
ClientSampleId :
TP-62

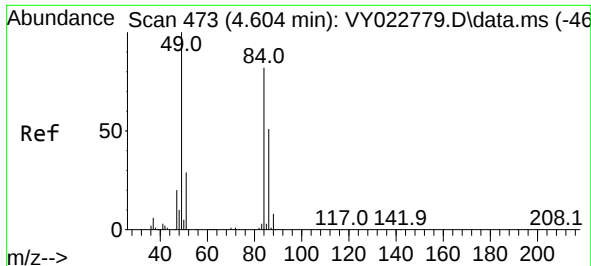
Tgt Ion:168 Resp: 277237
Ion Ratio Lower Upper
168 100
99 58.5 44.3 66.5



#16
Acetone
Concen: 3.394 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

Tgt Ion: 43 Resp: 1985
Ion Ratio Lower Upper
43 100
58 23.4 24.0 36.0#

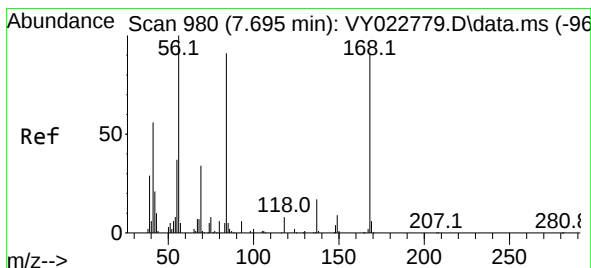
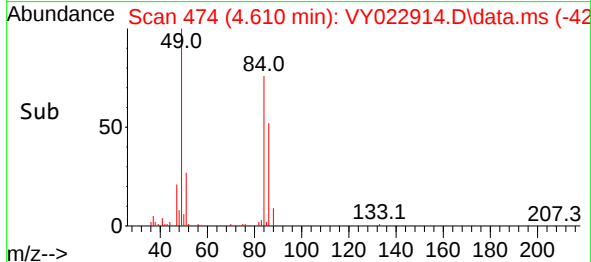
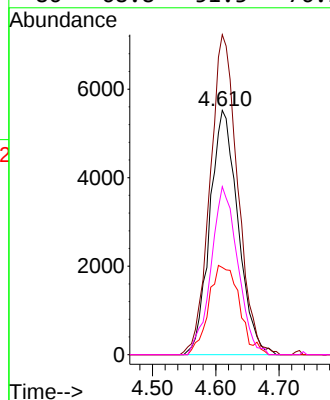
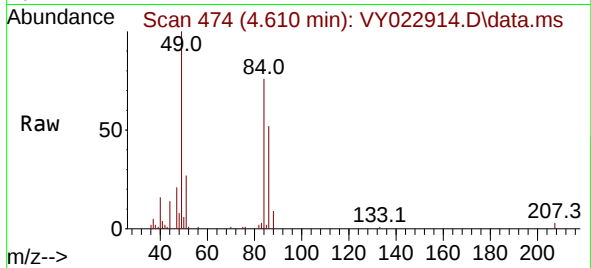




#20
Methylene Chloride
Concen: 4.614 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

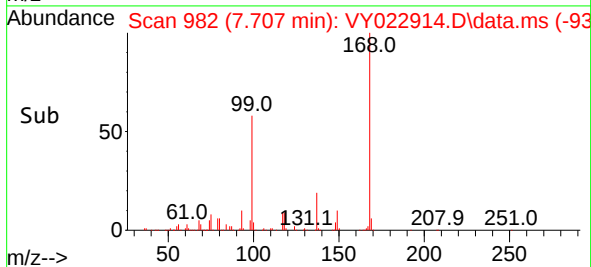
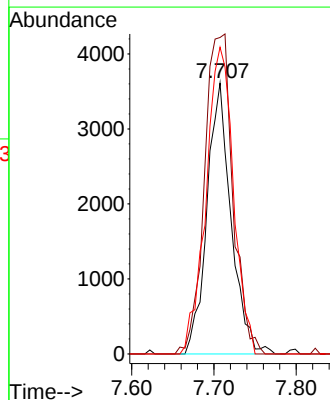
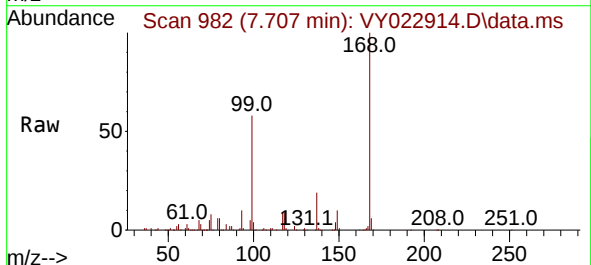
Instrument :
MSVOA_Y
ClientSampleId :
TP-62

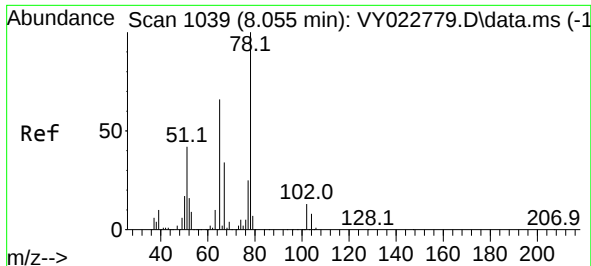
Tgt Ion:	84	Resp:	17042
Ion	Ratio	Lower	Upper
84	100		
49	131.0	101.9	152.9
51	35.7	29.8	44.8
86	68.8	51.3	76.9



#31
Cyclohexane
Concen: 1.386 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

Tgt Ion:	56	Resp:	7364
Ion	Ratio	Lower	Upper
56	100		
69	116.9	27.0	40.6#
84	113.2	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 58.248 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

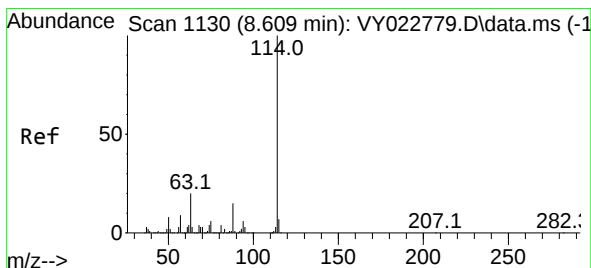
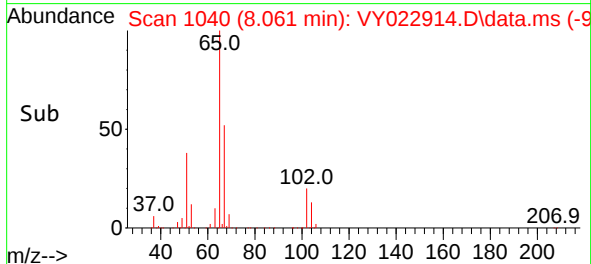
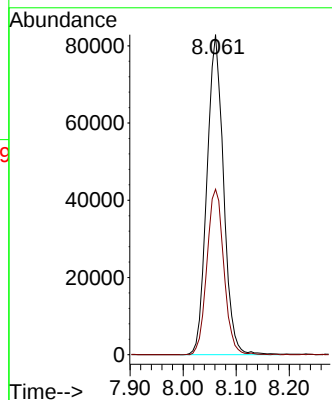
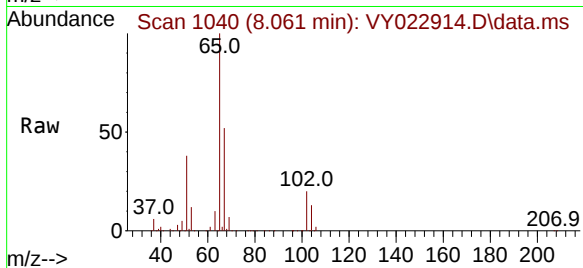
TP-62

Tgt Ion: 65 Resp: 180233

Ion Ratio Lower Upper

65 100

67 52.8 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: VY022914.D

Acq: 02 Jul 2025 15:56

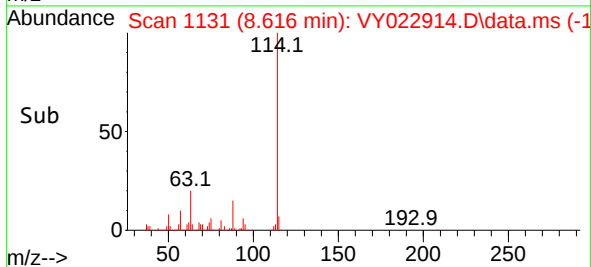
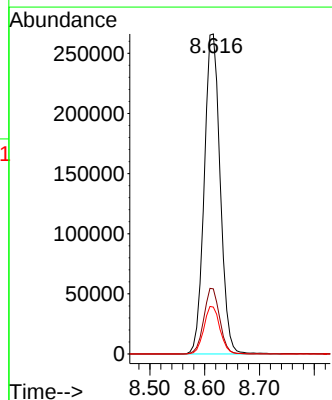
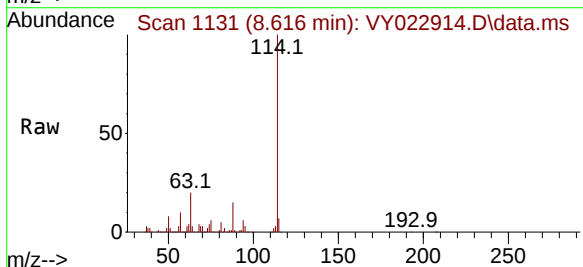
Tgt Ion:114 Resp: 536046

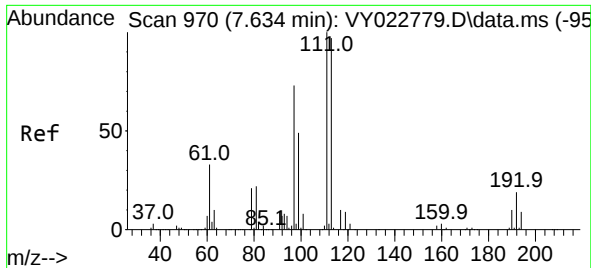
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.6 0.0 27.8

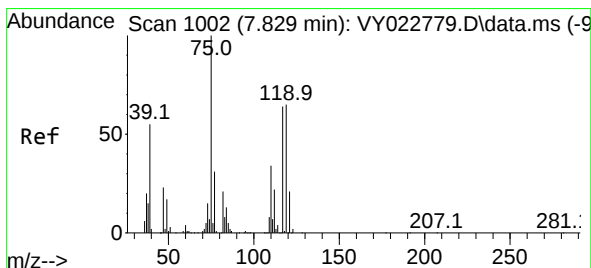
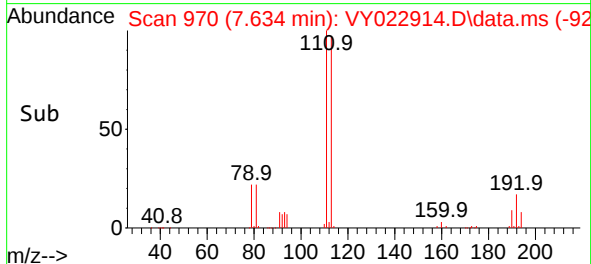
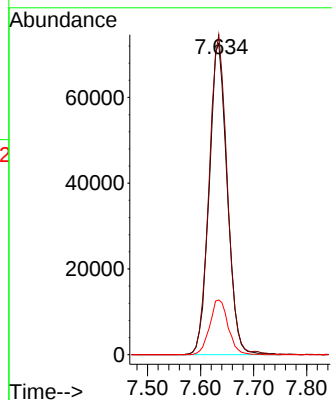
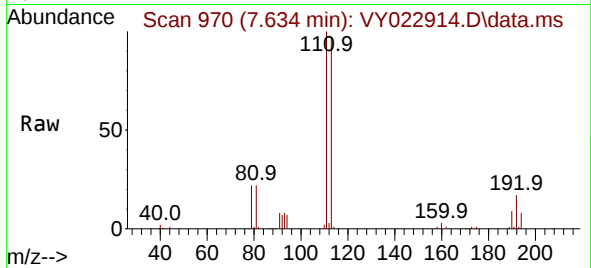




#35
Dibromofluoromethane
Concen: 52.754 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

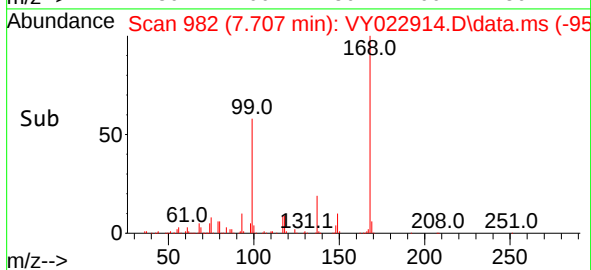
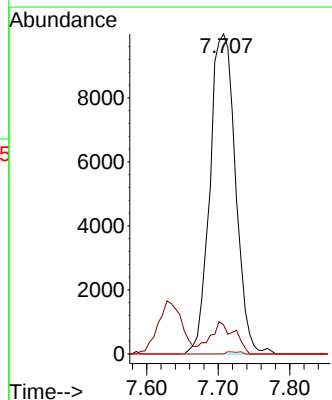
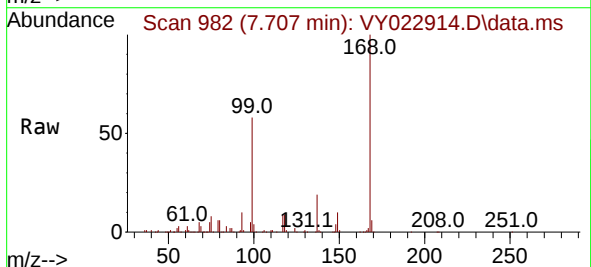
Instrument :
MSVOA_Y
ClientSampleId :
TP-62

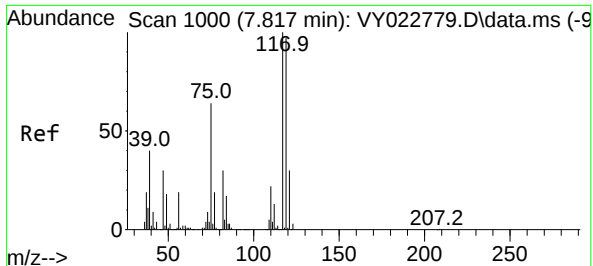
Tgt Ion:113 Resp: 171976
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 17.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

Tgt Ion: 75 Resp: 24829
Ion Ratio Lower Upper
75 100
110 9.5 16.9 50.7#
77 0.4 24.8 37.2#

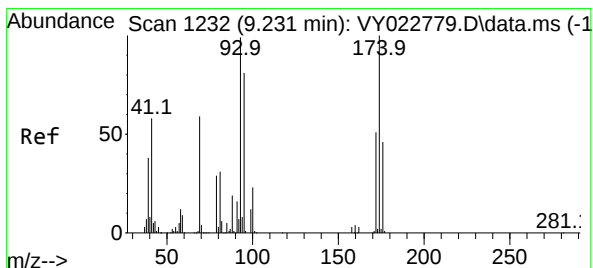
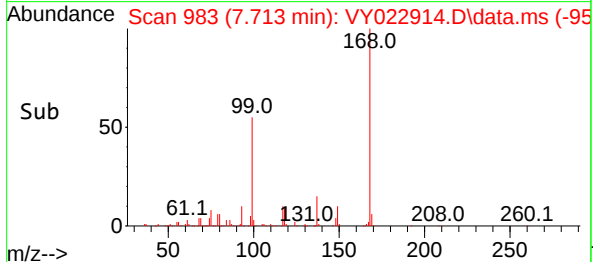
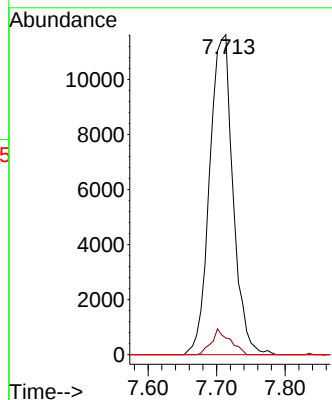
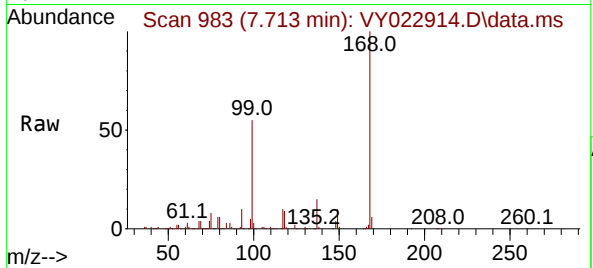




#38
Carbon Tetrachloride
Concen: 5.268 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

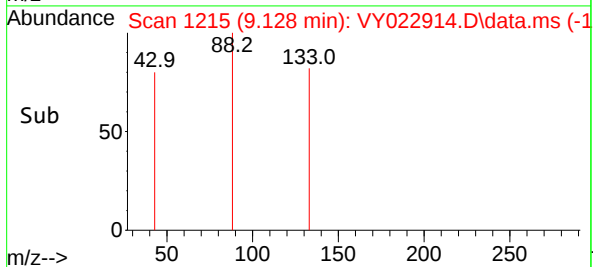
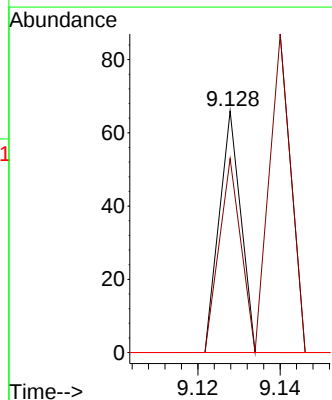
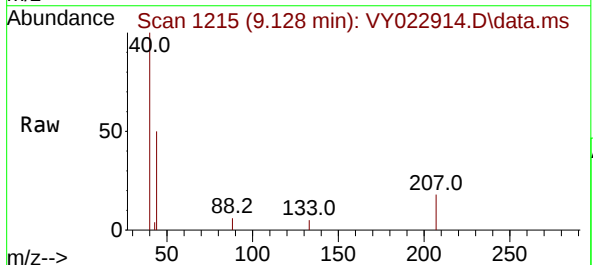
Instrument :
MSVOA_Y
ClientSampleId :
TP-62

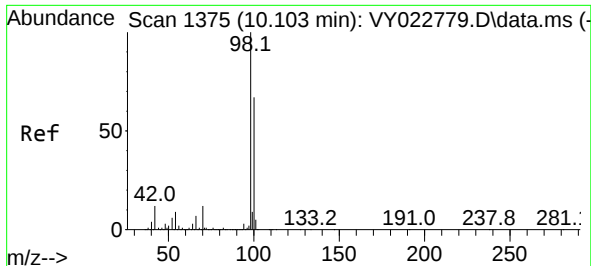
Tgt Ion:117 Resp: 27464
Ion Ratio Lower Upper
117 100
119 5.2 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.006 ug/l
RT: 9.128 min Scan# 1215
Delta R.T. -0.116 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 212.5 25.4 38.2#
58 0.0 54.9 82.3#

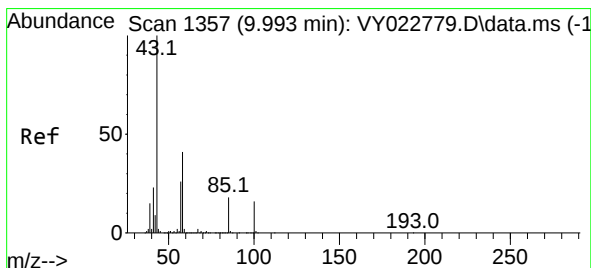
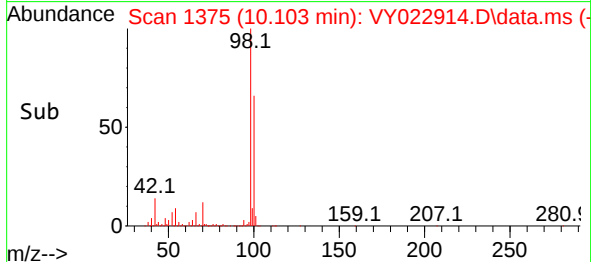
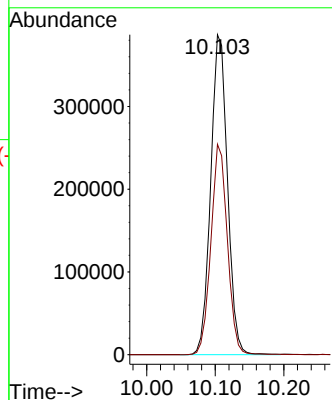
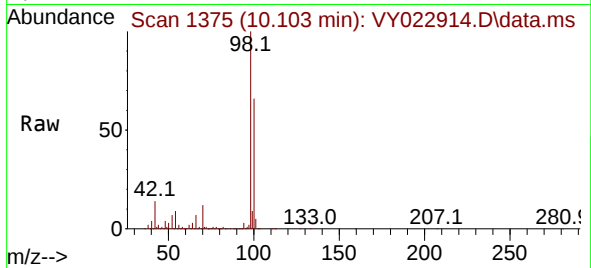




#50
Toluene-d8
Concen: 50.739 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

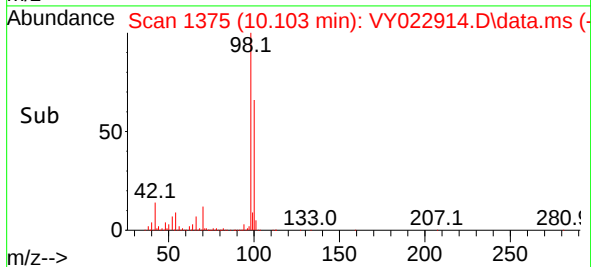
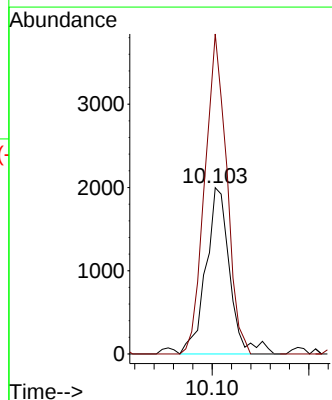
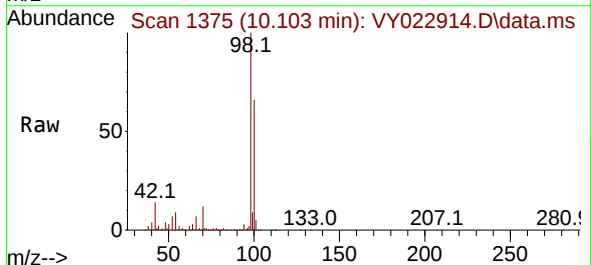
Instrument :
MSVOA_Y
ClientSampleId :
TP-62

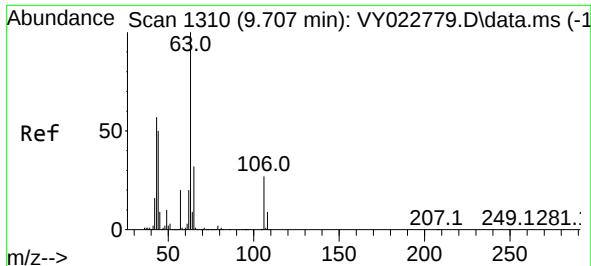
Tgt Ion: 98 Resp: 656357
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.524 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

Tgt Ion: 43 Resp: 3431
Ion Ratio Lower Upper
43 100
58 176.4 30.4 45.6#

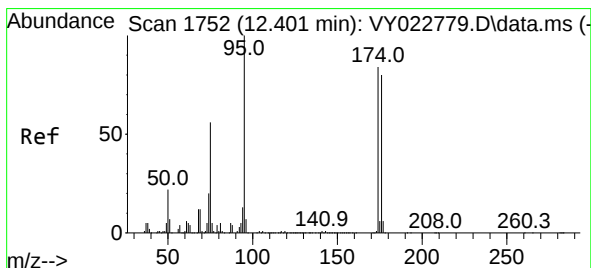
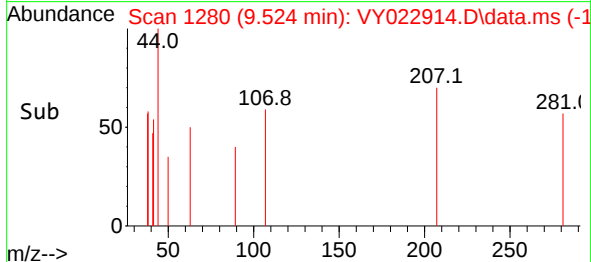
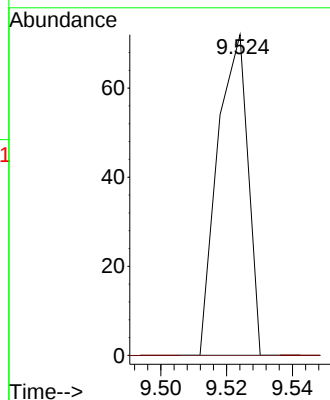
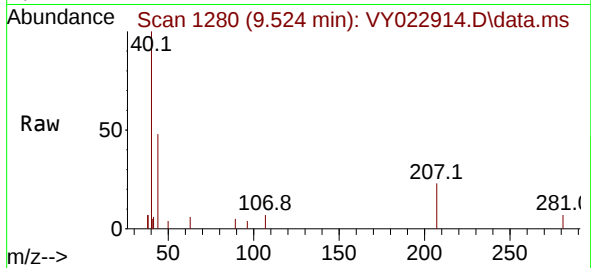




#58
2-Chloroethyl Vinyl ether
Concen: 15.679 ug/l
RT: 9.524 min Scan# 11
Delta R.T. -0.189 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

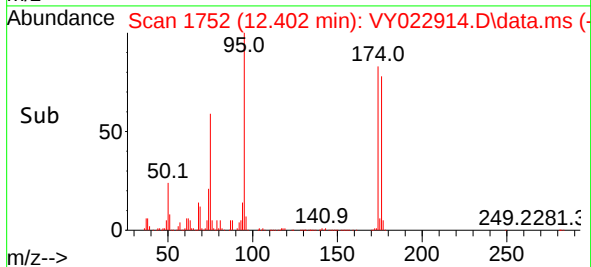
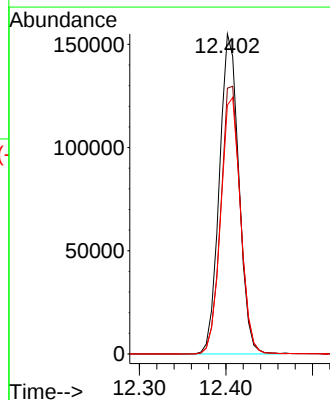
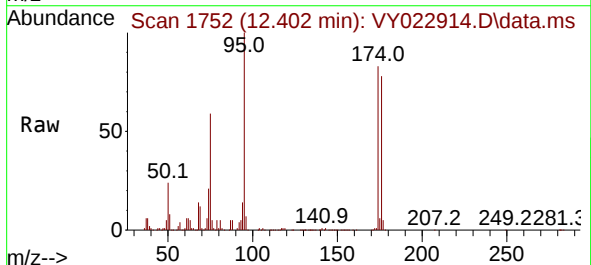
Instrument :
MSVOA_Y
ClientSampleId :
TP-62

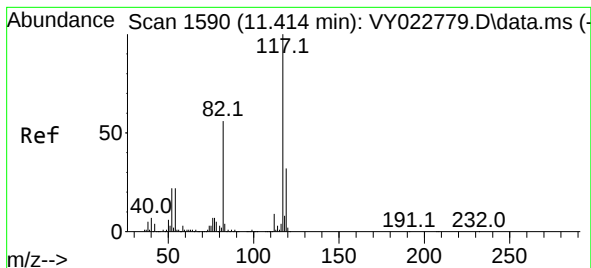
Tgt Ion: 63 Resp: 46
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 58.227 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022914.D
Acq: 02 Jul 2025 15:56

Tgt Ion: 95 Resp: 242137
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 81.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-62

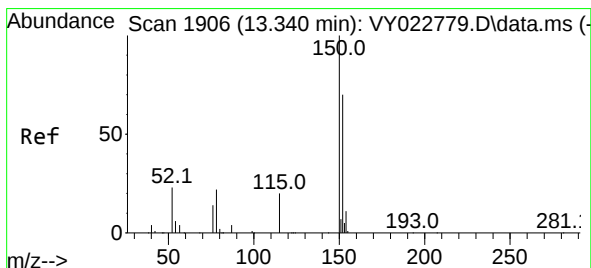
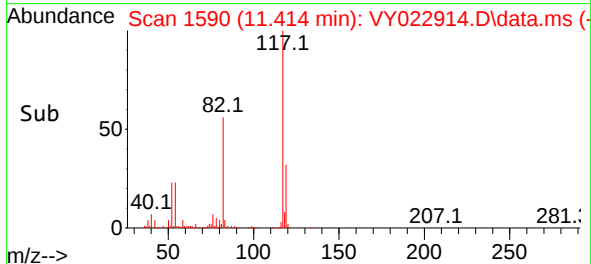
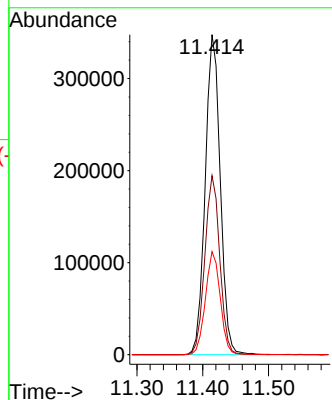
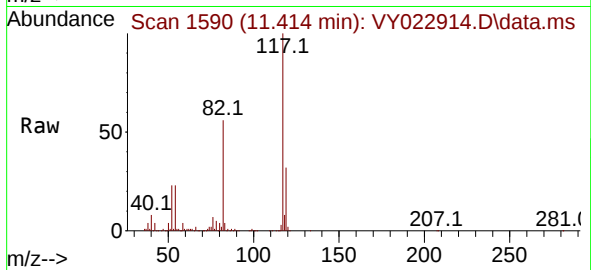
Tgt Ion:117 Resp: 553104

Ion Ratio Lower Upper

117 100

82 56.0 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

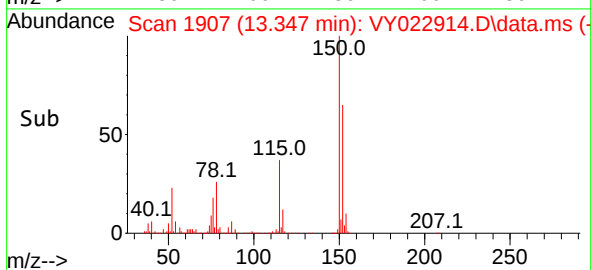
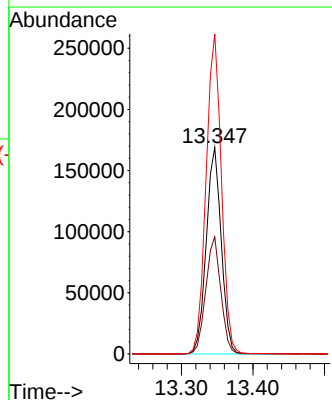
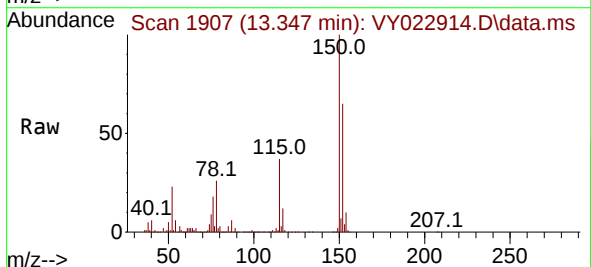
Tgt Ion:152 Resp: 246603

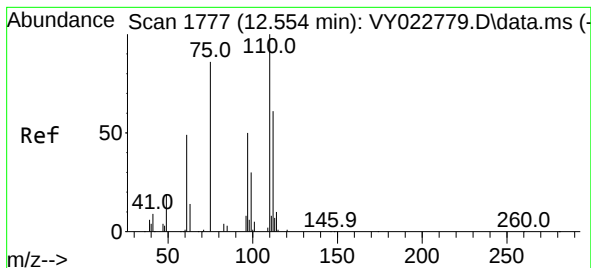
Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

150 157.5 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 55.028 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

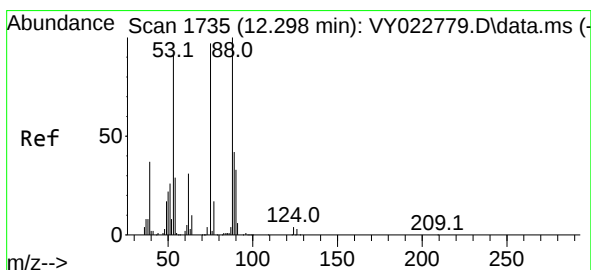
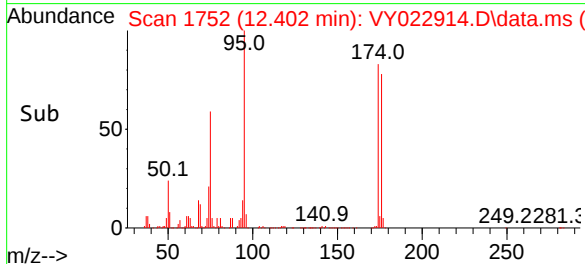
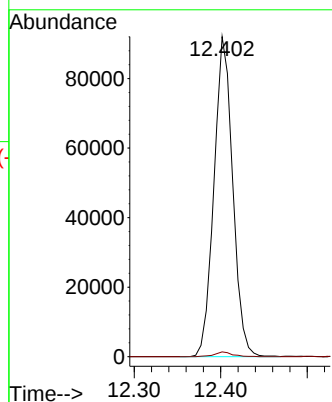
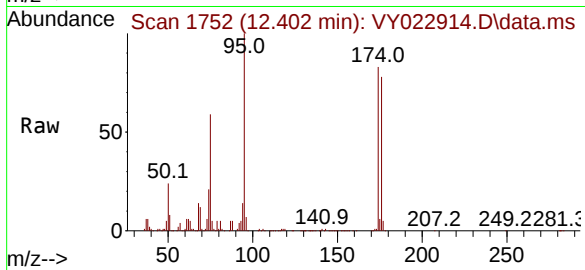
TP-62

Tgt Ion: 75 Resp: 138538

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.021 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022914.D

Acq: 02 Jul 2025 15:56

Tgt Ion: 75 Resp: 138538

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 35.7 53.5#

