

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022834.D
 Acq On : 25 Jun 2025 18:50
 Operator : SY/MD
 Sample : Q2423-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT915

Quant Time: Jun 26 01:30:09 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	235402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	449512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	160160	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	151081	57.504	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.000%
35) Dibromofluoromethane	7.628	113	146238	53.494	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.980%
50) Toluene-d8	10.103	98	538669	49.657	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.320%
62) 4-Bromofluorobenzene	12.401	95	172589	49.492	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.980%

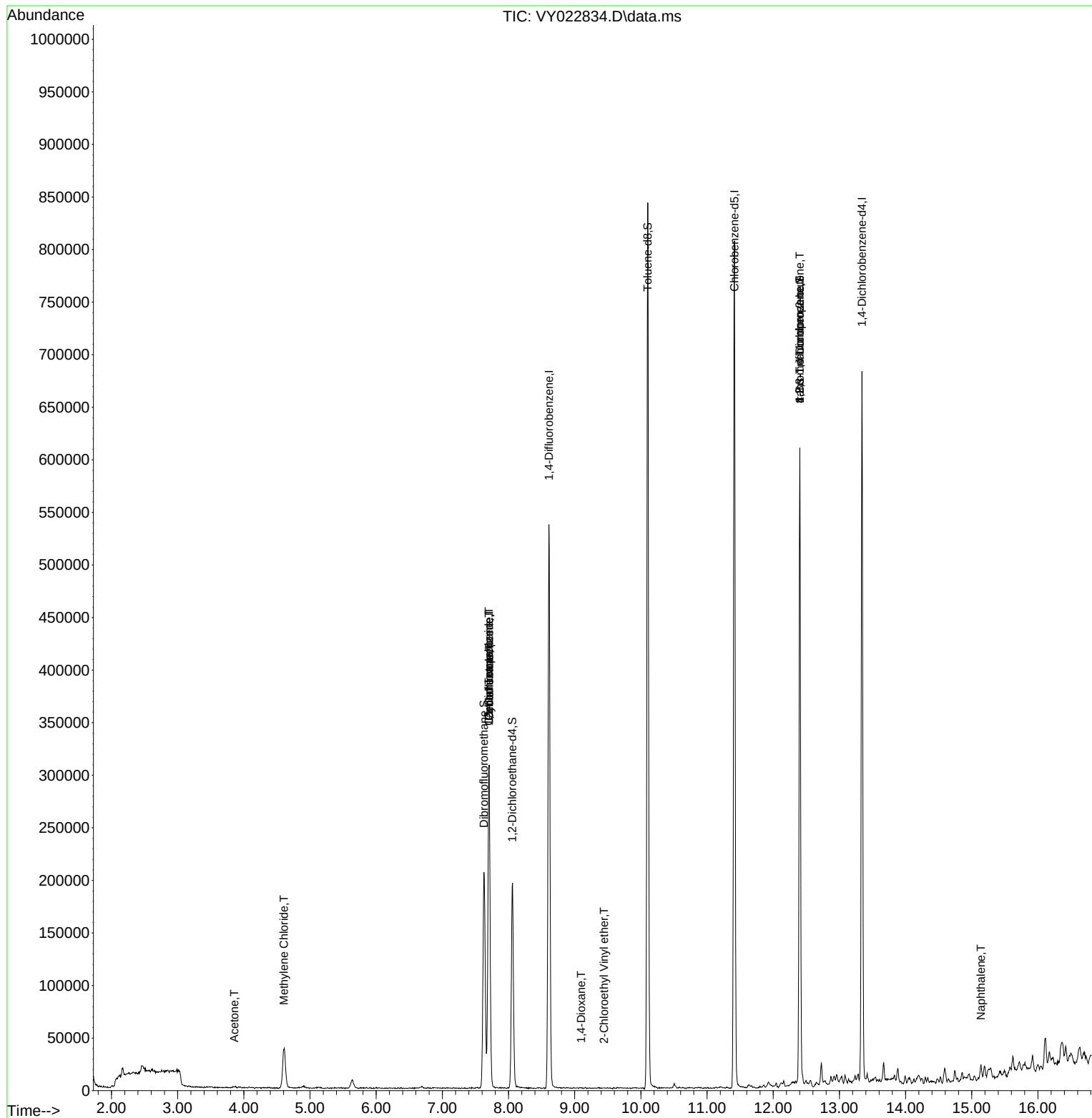
Target Compounds					Qvalue	
16) Acetone	3.854	43	1532	3.085	ug/l #	86
20) Methylene Chloride	4.604	84	28453	9.073	ug/l	87
31) Cyclohexane	7.707	56	5591	1.239	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	19319	4.662	ug/l #	50
38) Carbon Tetrachloride	7.701	117	24144	5.522	ug/l #	18
49) 1,4-Dioxane	9.097	88	24	1.200	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.445	63	30	15.673	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	96049	58.742	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	96049	148.405	ug/l #	11
95) Naphthalene	15.139	128	9926	2.046	ug/l #	96

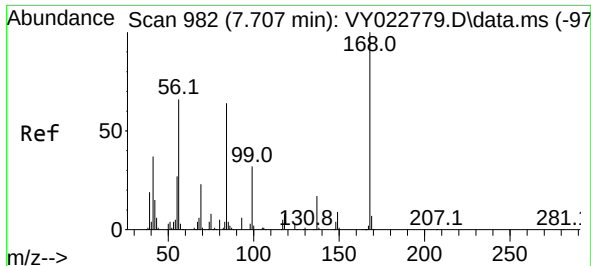
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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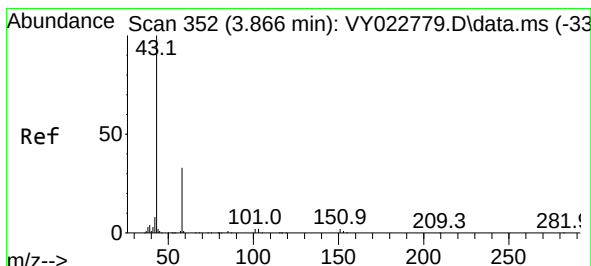
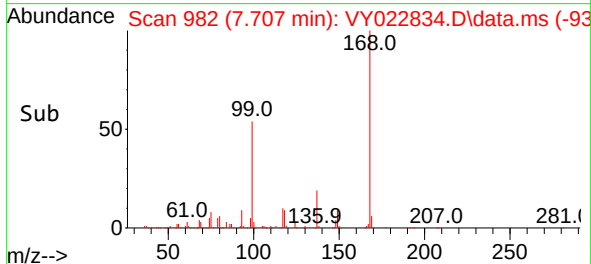
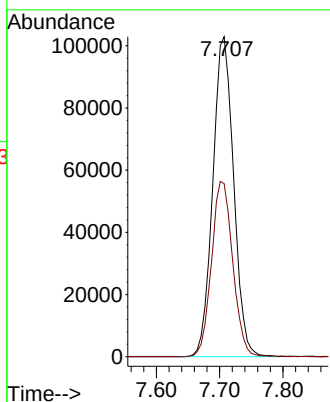
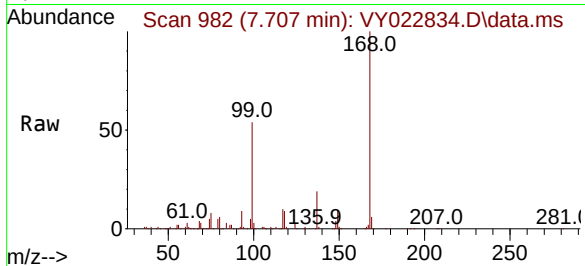




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 915
Delta R.T. -0.006 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

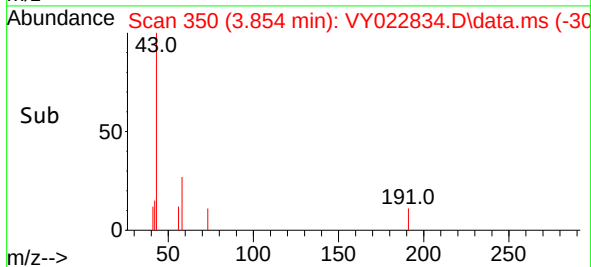
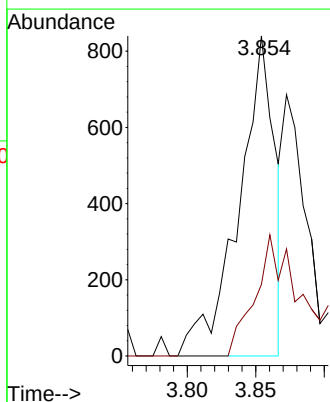
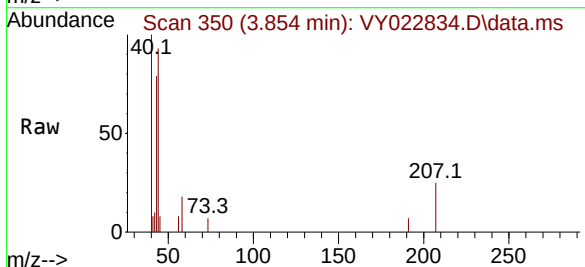
Instrument :
MSVOA_Y
ClientSampleId :
RT915

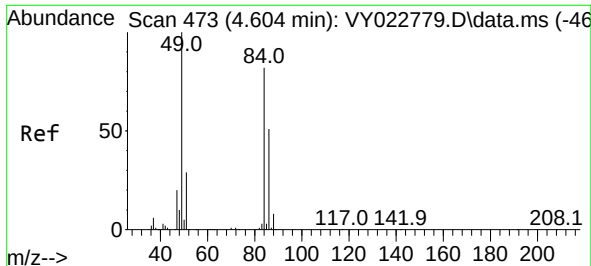
Tgt Ion:168 Resp: 235402
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#16
Acetone
Concen: 3.085 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.025 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
58 22.4 24.0 36.0#

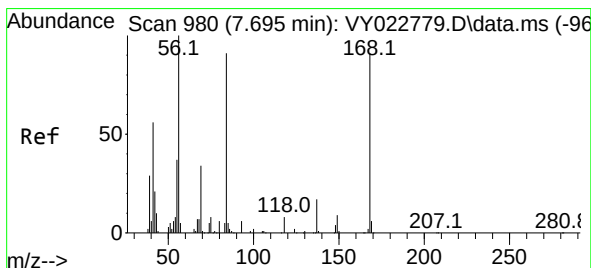
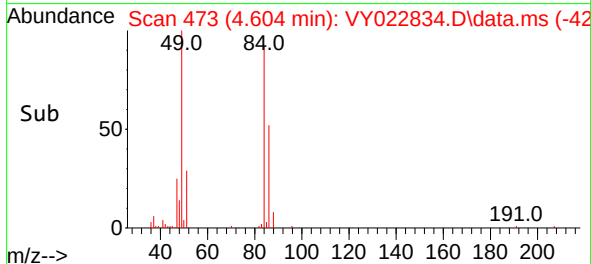
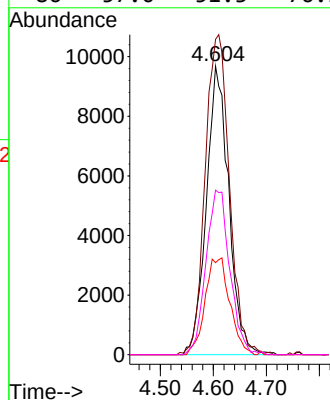
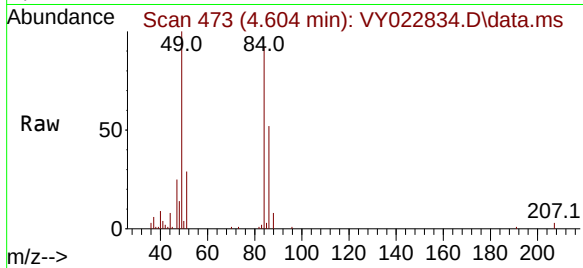




#20
Methylene Chloride
Concen: 9.073 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

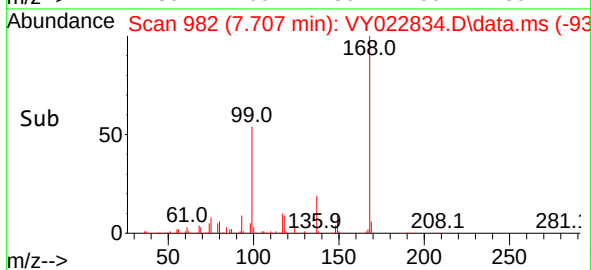
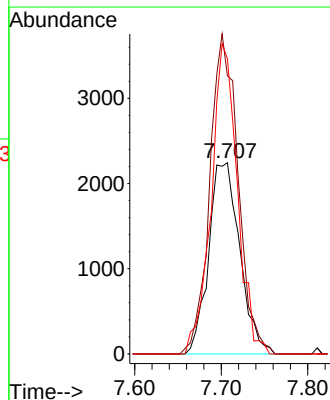
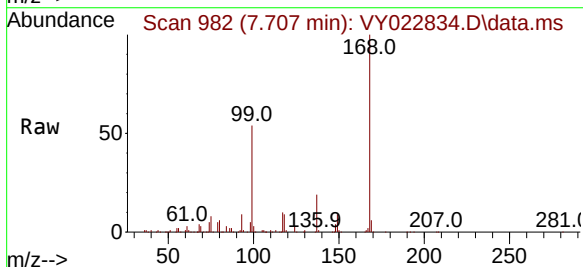
Instrument :
MSVOA_Y
ClientSampleId :
RT915

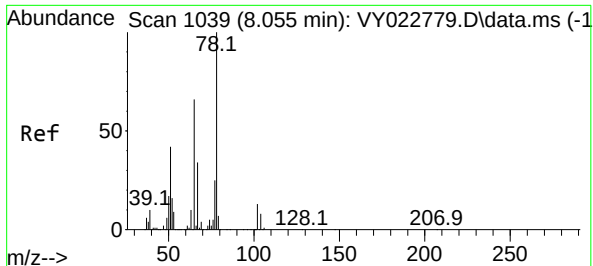
Tgt Ion:	84	Resp:	28453
Ion	Ratio	Lower	Upper
84	100		
49	109.3	101.9	152.9
51	31.9	29.8	44.8
86	57.0	51.3	76.9



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

Tgt Ion:	56	Resp:	5591
Ion	Ratio	Lower	Upper
56	100		
69	145.4	27.0	40.6#
84	154.5	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 57.504 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022834.D

Acq: 25 Jun 2025 18:50

Instrument :

MSVOA_Y

ClientSampleId :

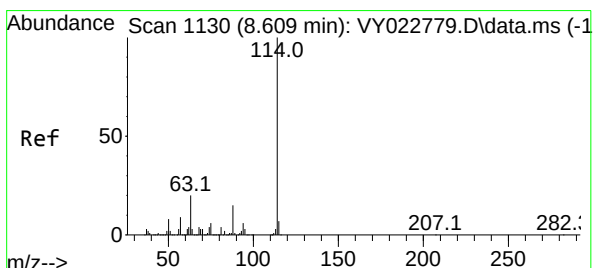
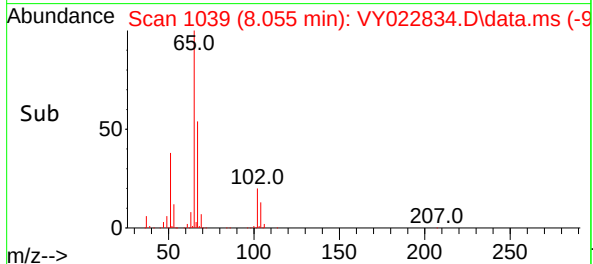
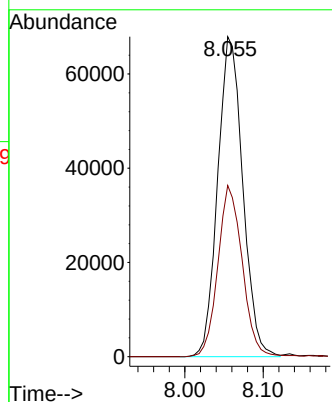
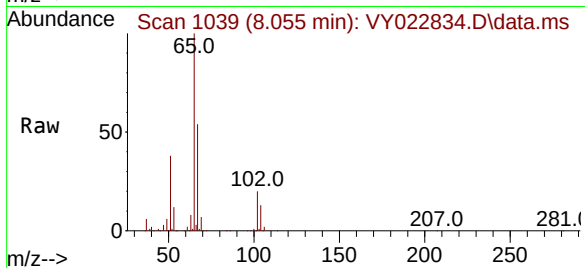
RT915

Tgt Ion: 65 Resp: 151081

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022834.D

Acq: 25 Jun 2025 18:50

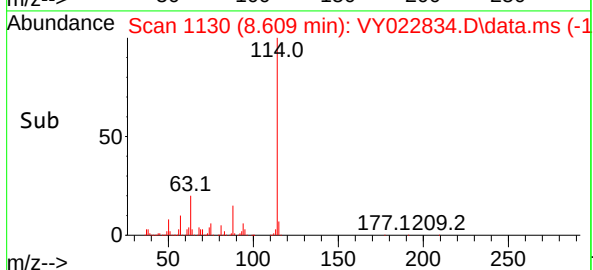
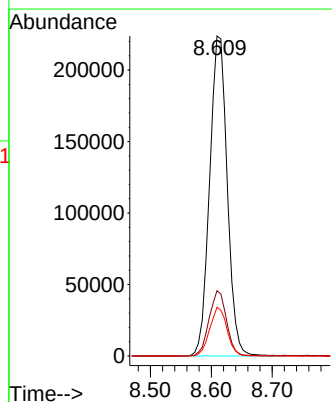
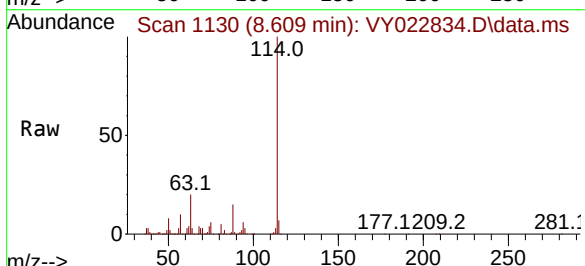
Tgt Ion:114 Resp: 449512

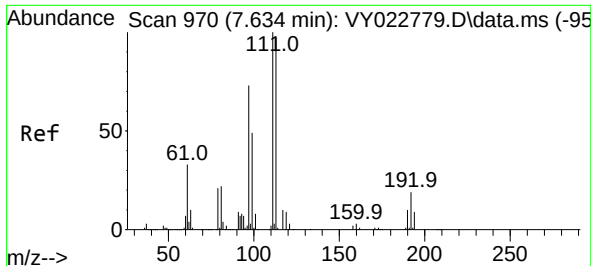
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.2 0.0 27.8

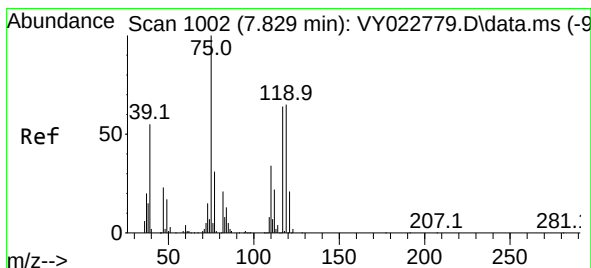
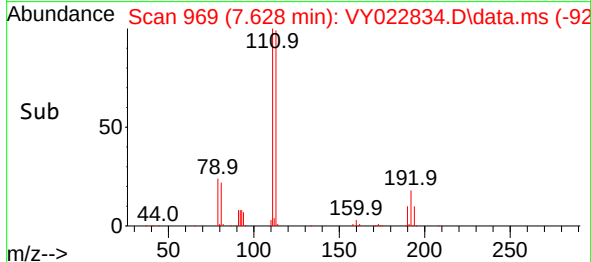
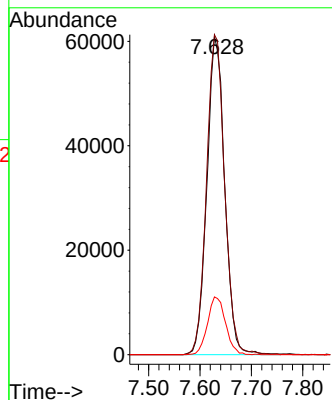
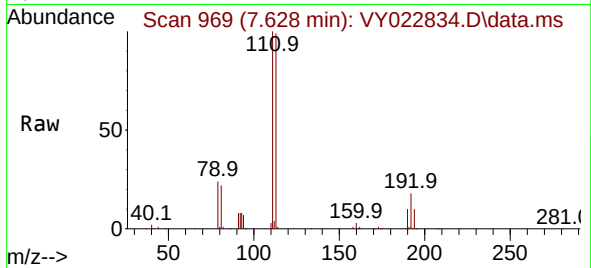




#35
Dibromofluoromethane
Concen: 53.494 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

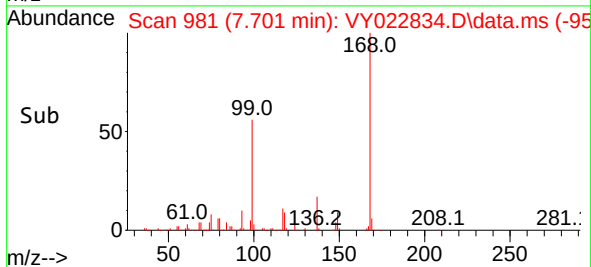
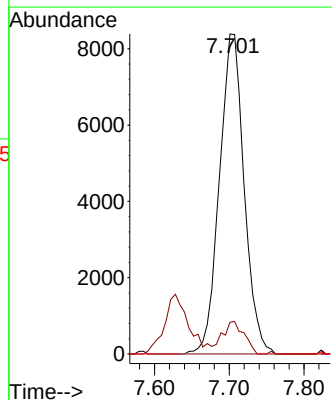
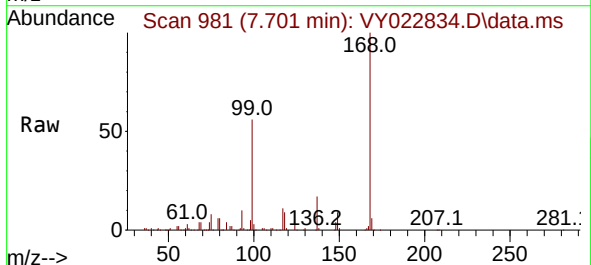
Instrument :
MSVOA_Y
ClientSampleId :
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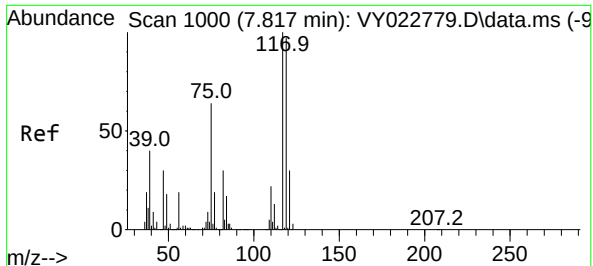
Tgt Ion:113 Resp: 146238
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 18.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.662 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

Tgt Ion: 75 Resp: 19319
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.0 24.8 37.2#

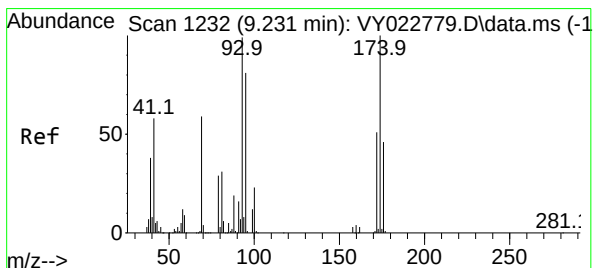
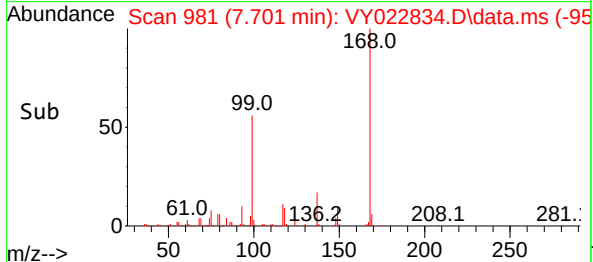
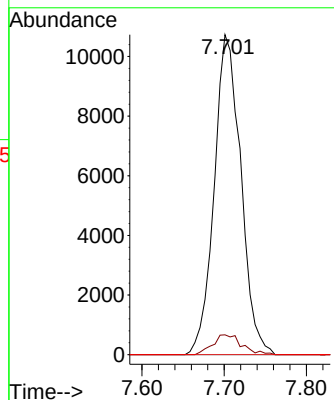
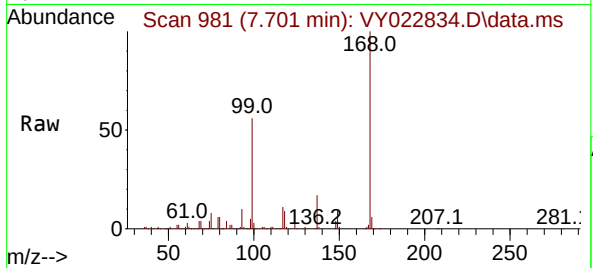




#38
Carbon Tetrachloride
Concen: 5.522 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

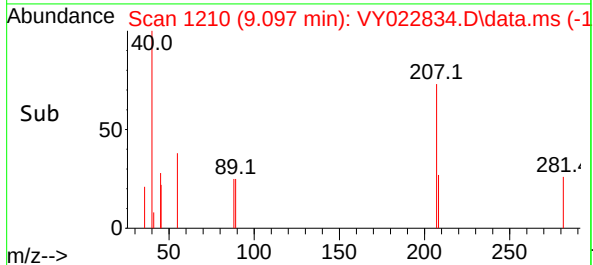
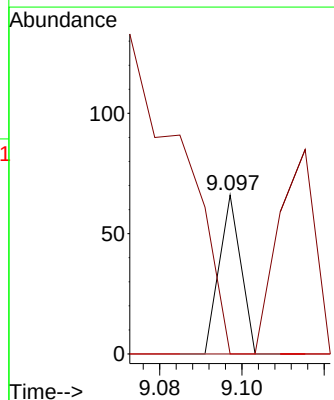
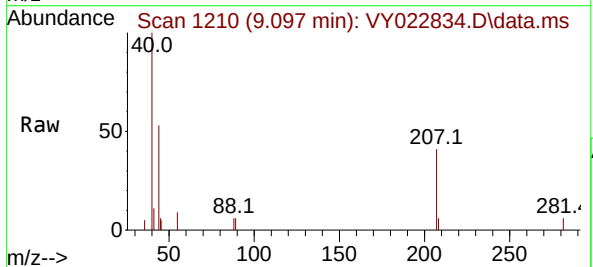
Instrument :
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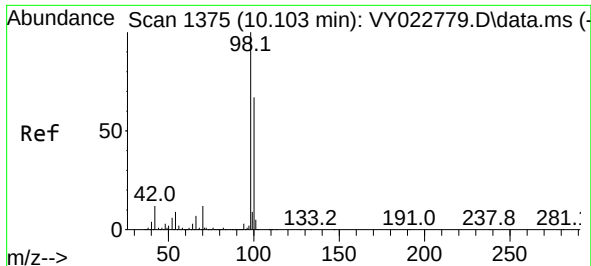
Tgt Ion:117 Resp: 24144
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.200 ug/l
RT: 9.097 min Scan# 1210
Delta R.T. -0.147 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 220.8 25.4 38.2#
58 0.0 54.9 82.3#

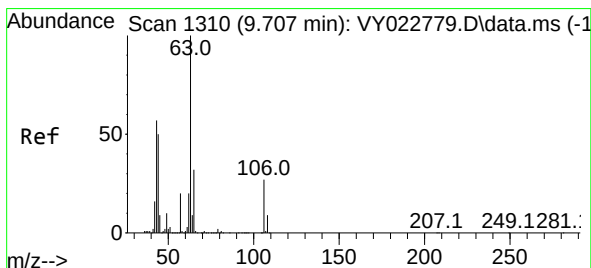
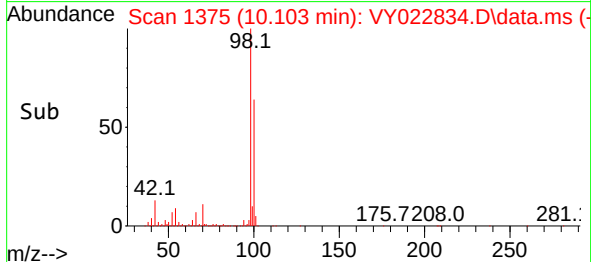
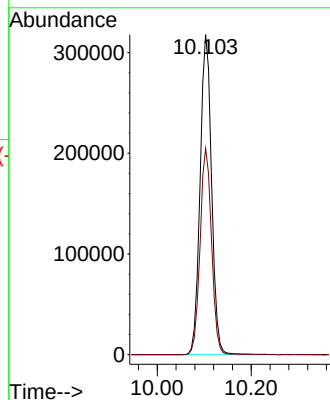
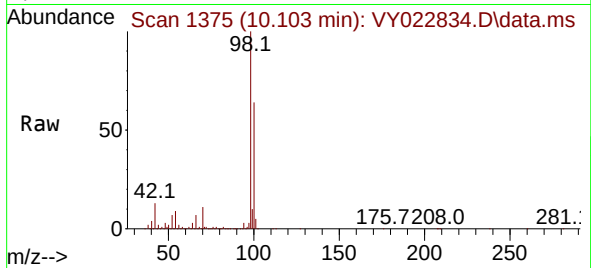




#50
Toluene-d8
Concen: 49.657 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

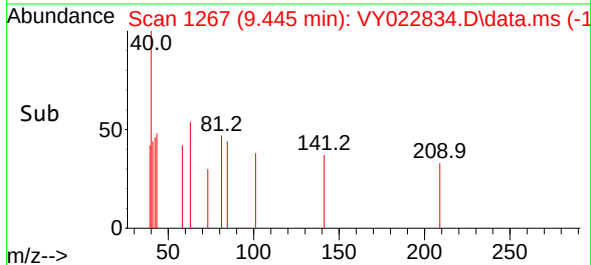
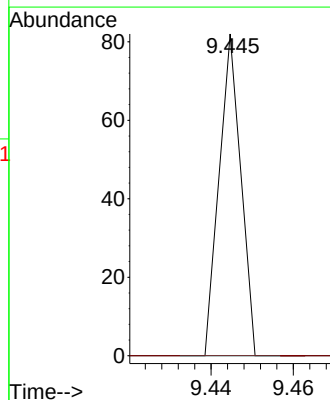
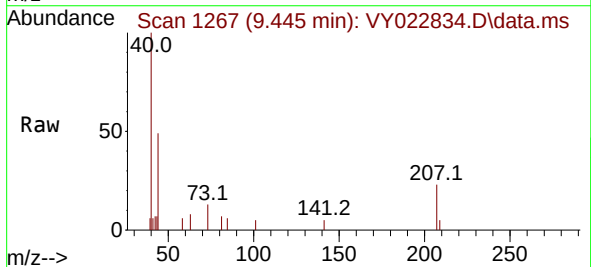
Instrument :
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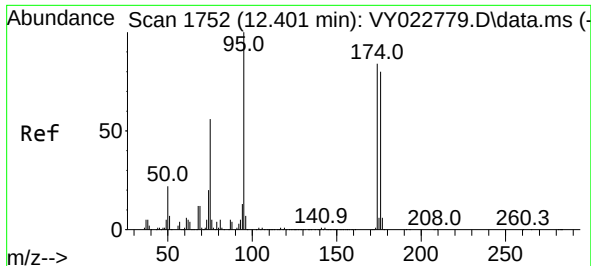
Tgt Ion: 98 Resp: 538669
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.673 ug/l
RT: 9.445 min Scan# 1267
Delta R.T. -0.268 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

Tgt Ion: 63 Resp: 30
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

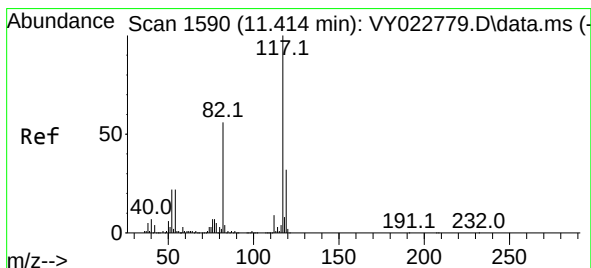
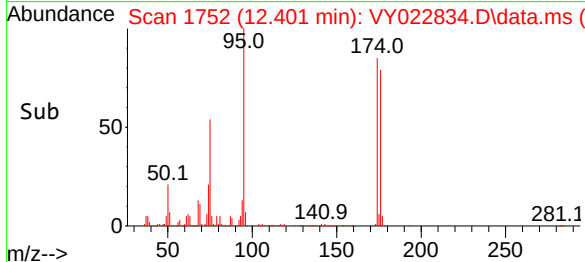
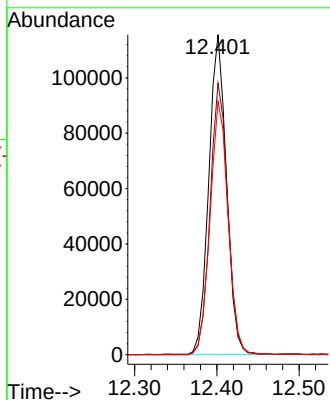
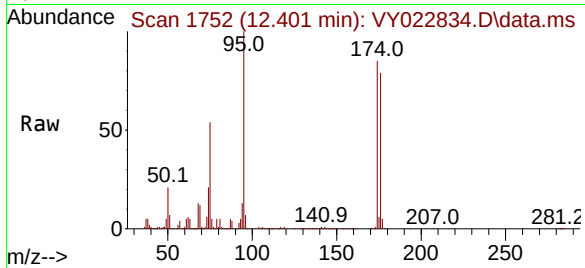




#62
4-Bromofluorobenzene
Concen: 49.492 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

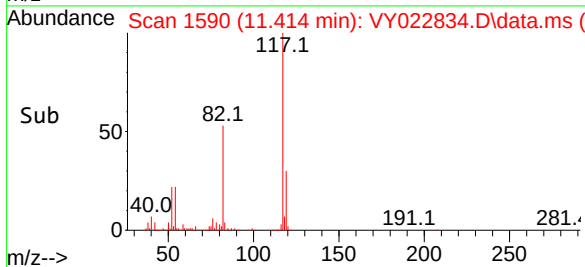
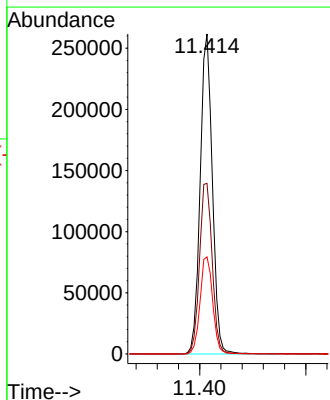
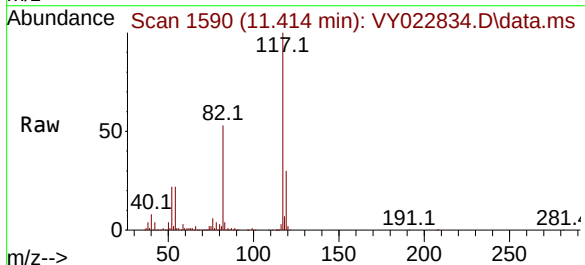
Instrument :
MSVOA_Y
ClientSampleId :
RT915

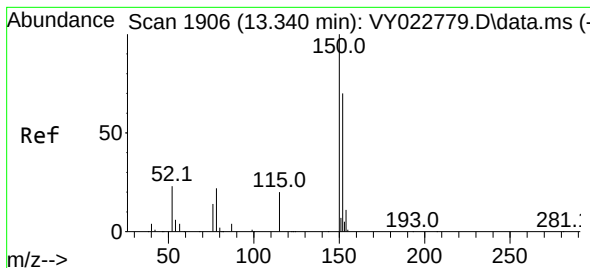
Tgt Ion: 95 Resp: 172589
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 80.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

Tgt Ion: 117 Resp: 417191
Ion Ratio Lower Upper
117 100
82 53.3 44.6 66.8
119 30.4 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: VY022834.D

Acq: 25 Jun 2025 18:50

Instrument :

MSVOA_Y

ClientSampleId :

RT915

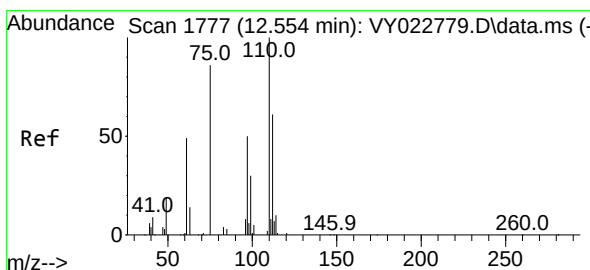
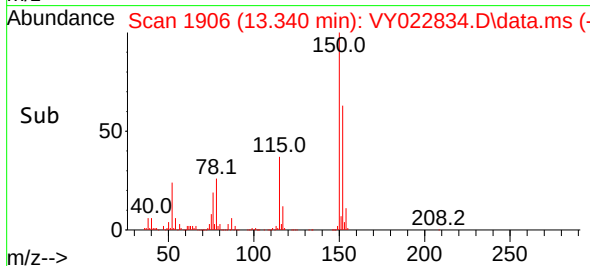
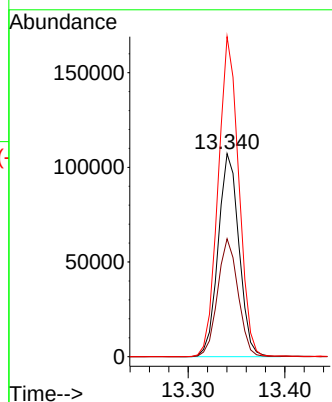
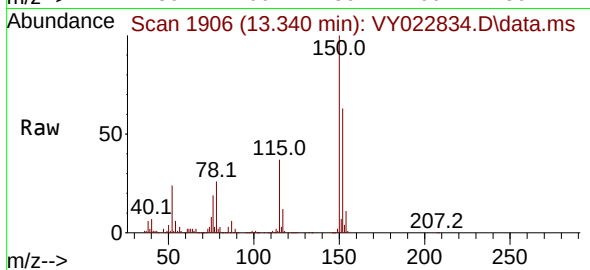
Tgt Ion:152 Resp: 160160

Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.7

150 156.5 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 58.742 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022834.D

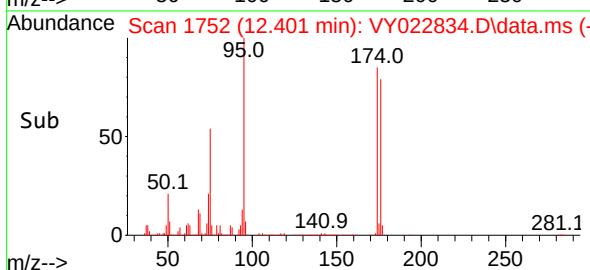
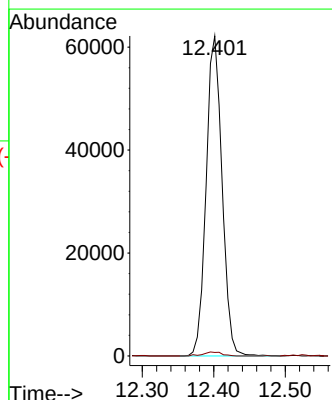
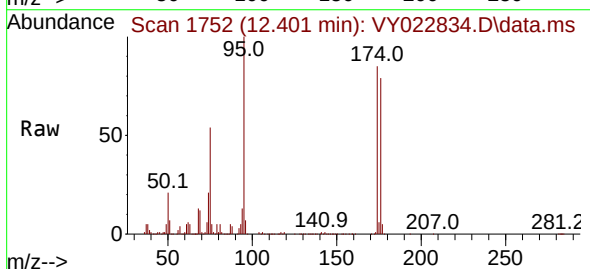
Acq: 25 Jun 2025 18:50

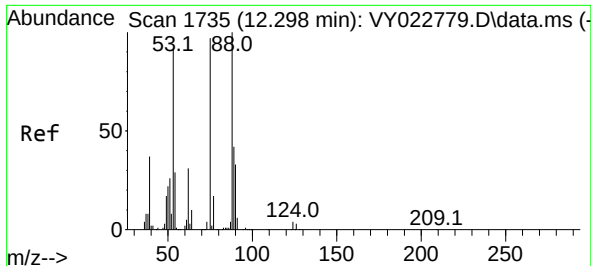
Tgt Ion: 75 Resp: 96049

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

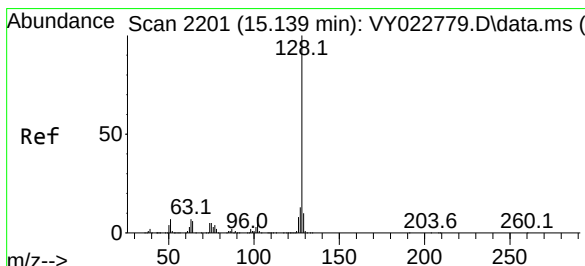
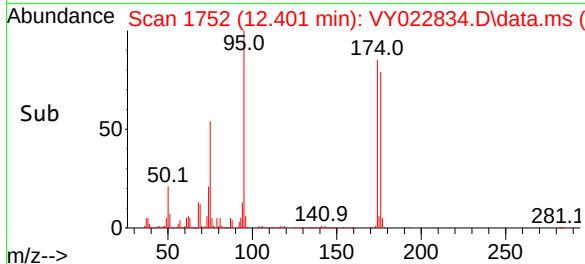
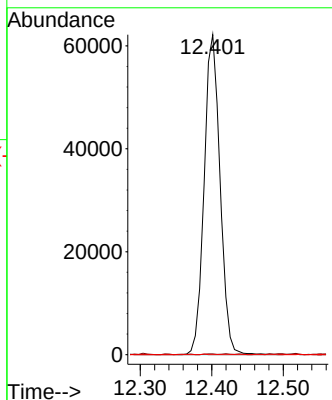
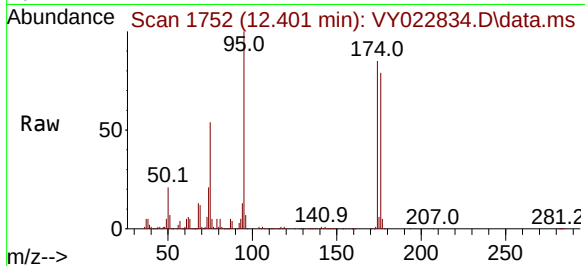




#81
trans-1,4-Dichloro-2-butene
Concen: 148.405 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

Instrument :
MSVOA_Y
ClientSampleId :
RT915

Tgt Ion: 75 Resp: 96049
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.1 35.7 53.5#



#95
Naphthalene
Concen: 2.046 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY022834.D
Acq: 25 Jun 2025 18:50

Tgt Ion: 128 Resp: 9926
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 14.6 8.9 13.3#

