

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022939.D
 Acq On : 03 Jul 2025 13:50
 Operator : SY/MD
 Sample : Q2487-02
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(10)

Quant Time: Jul 04 03:19:47 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	268165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	511702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	518609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221137	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	157321	52.563	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.120%
35) Dibromofluoromethane	7.634	113	161972	52.049	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.100%
50) Toluene-d8	10.103	98	636307	51.529	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.060%
62) 4-Bromofluorobenzene	12.402	95	225067	56.697	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.400%

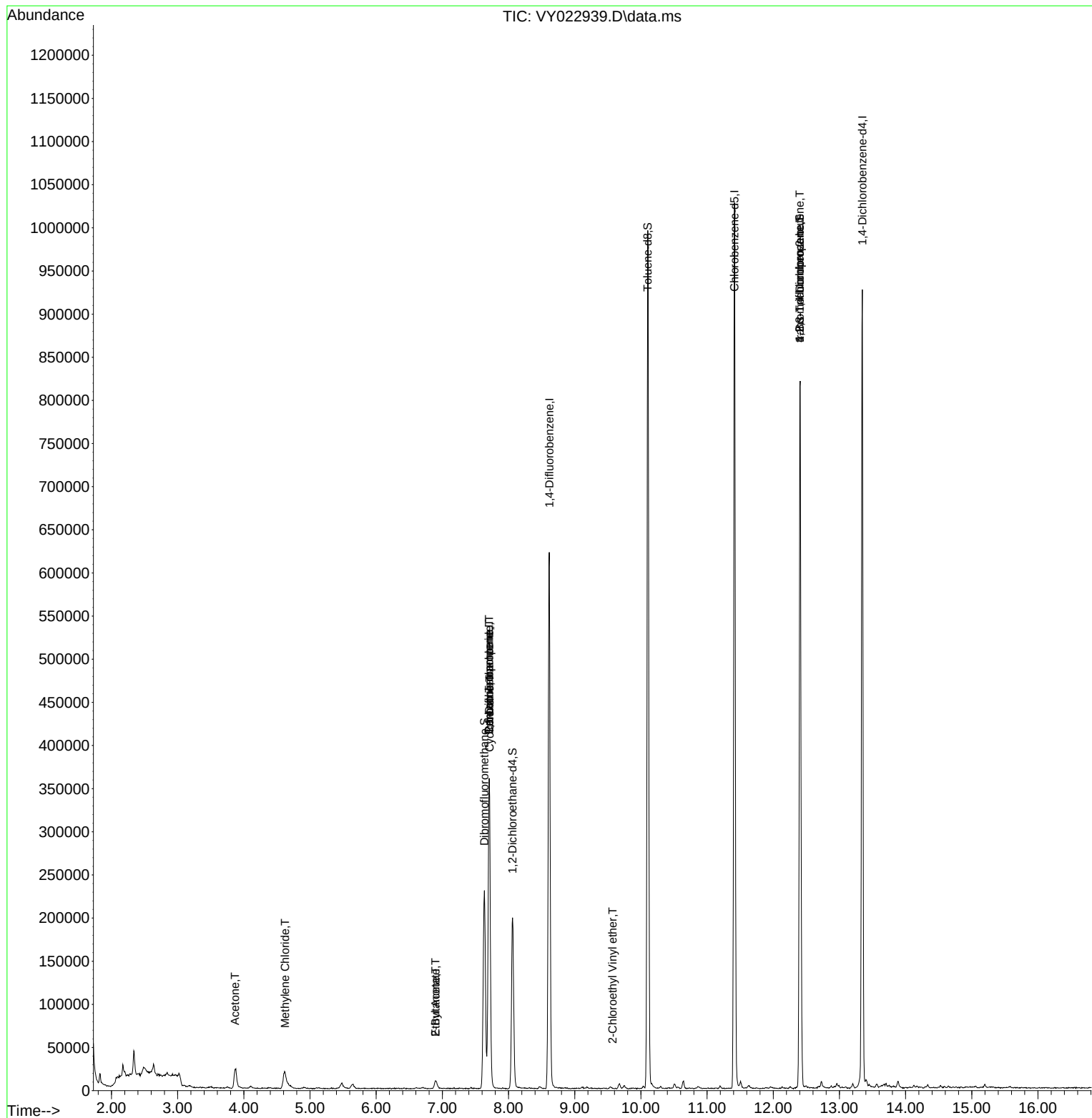
Target Compounds						Qvalue
16) Acetone	3.866	43	41089	72.634	ug/l	99
20) Methylene Chloride	4.622	84	13338	3.733	ug/l #	81
25) 2-Butanone	6.896	43	15608	18.957	ug/l #	87
31) Cyclohexane	7.713	56	7253	1.411	ug/l #	44
36) 1,1-Dichloropropene	7.707	75	24824	5.263	ug/l #	51
37) Ethyl Acetate	6.896	43	15608	7.668	ug/l #	69
38) Carbon Tetrachloride	7.707	117	27863	5.598	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.573	63	20	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	124665	55.220	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	124665	139.506	ug/l #	11

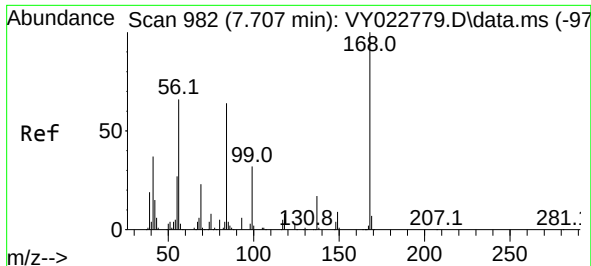
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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G4(10)

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Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

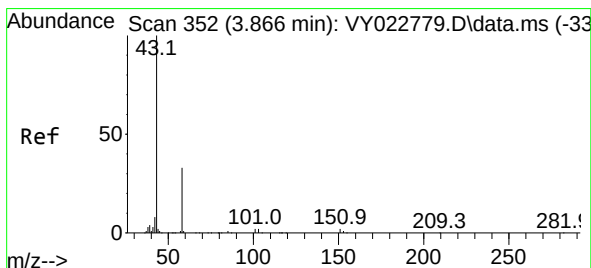
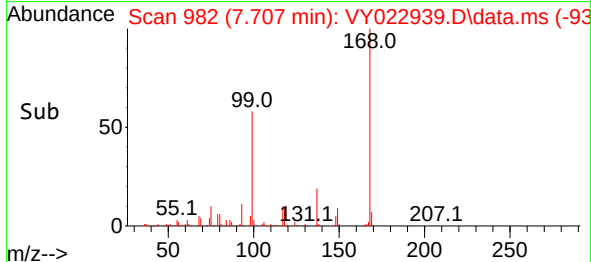
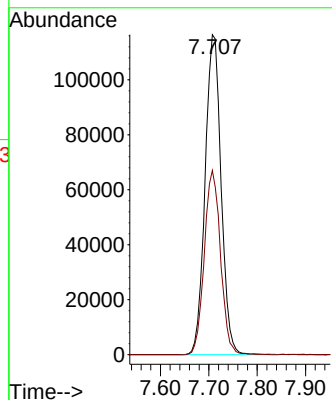
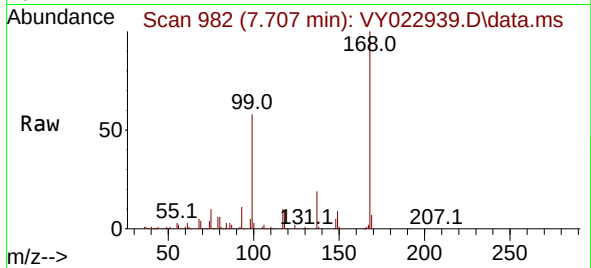




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

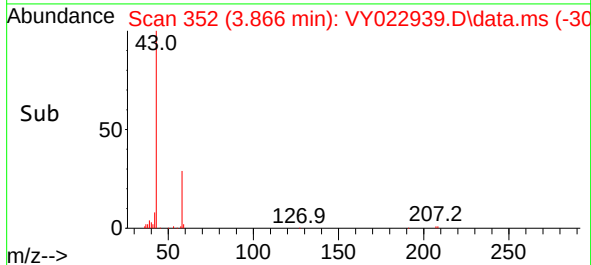
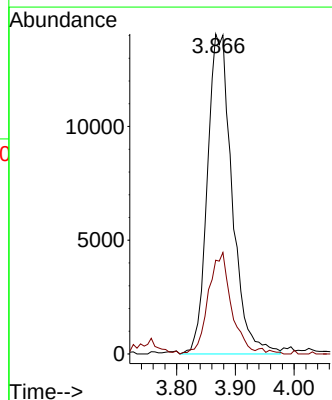
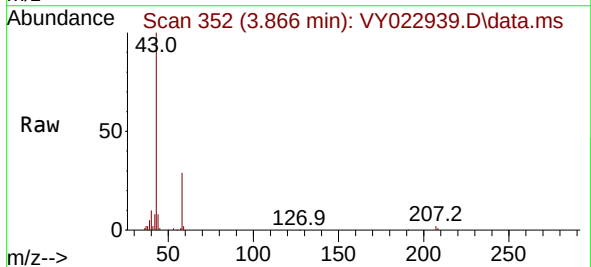
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

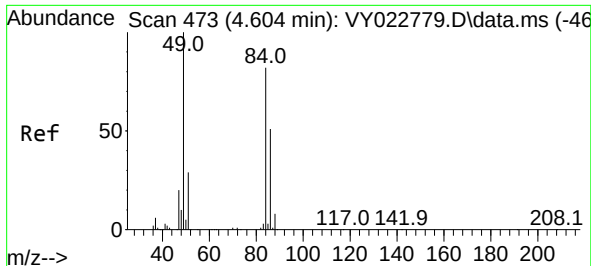
Tgt Ion:168 Resp: 268165
Ion Ratio Lower Upper
168 100
99 57.5 44.3 66.5



#16
Acetone
Concen: 72.634 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion: 43 Resp: 41089
Ion Ratio Lower Upper
43 100
58 29.3 24.0 36.0

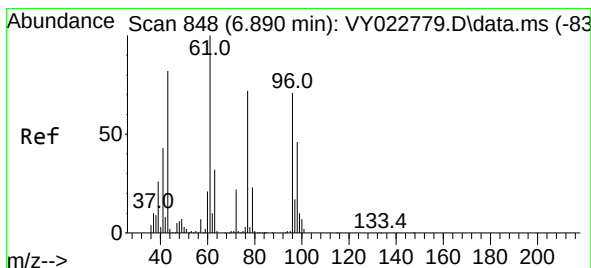
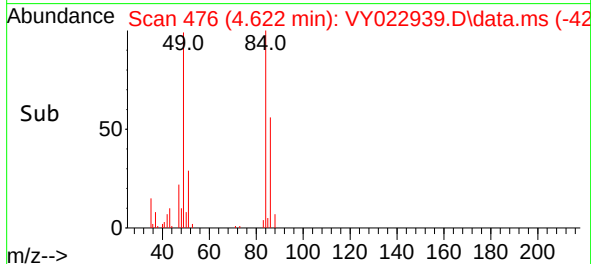
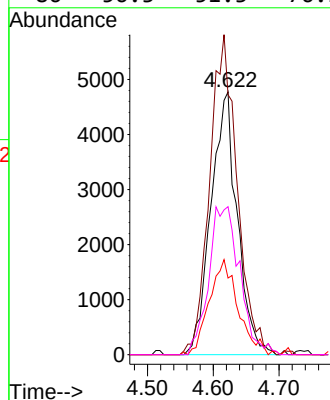
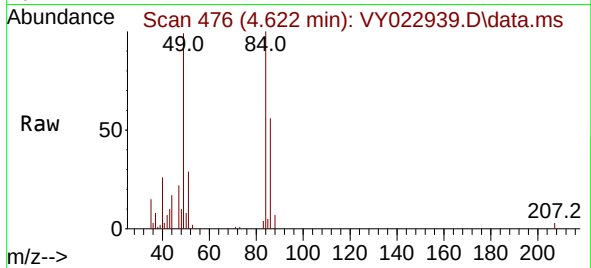




#20
Methylene Chloride
Concen: 3.733 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

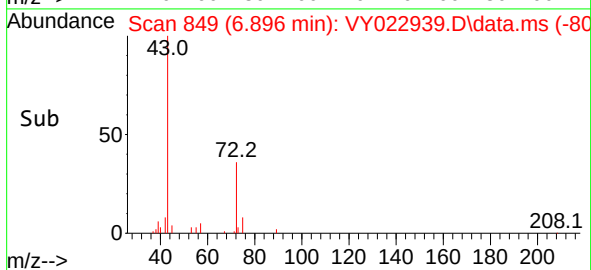
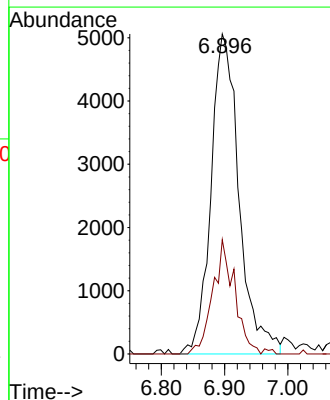
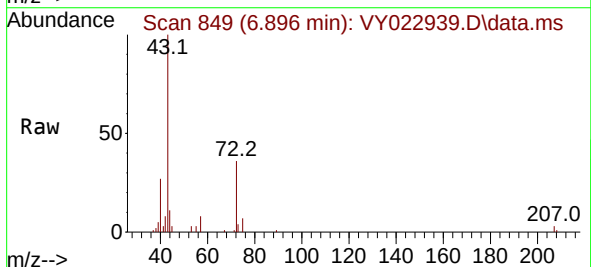
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

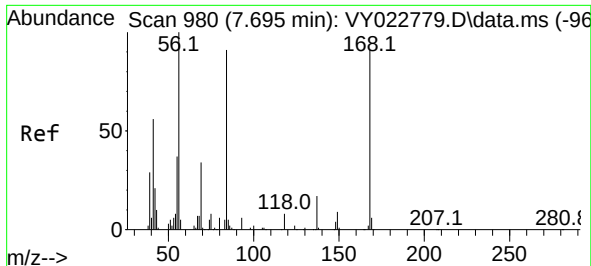
Tgt Ion:	84	Resp:	13338
Ion	Ratio	Lower	Upper
84	100		
49	99.0	101.9	152.9#
51	29.2	29.8	44.8#
86	56.3	51.3	76.9



#25
2-Butanone
Concen: 18.957 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion:	43	Resp:	15608
Ion	Ratio	Lower	Upper
43	100		
72	35.7	22.9	34.3#

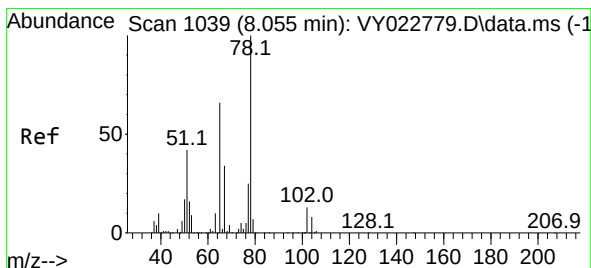
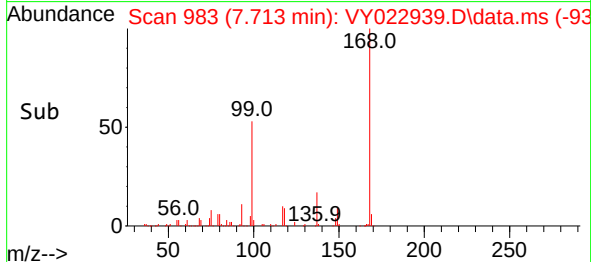
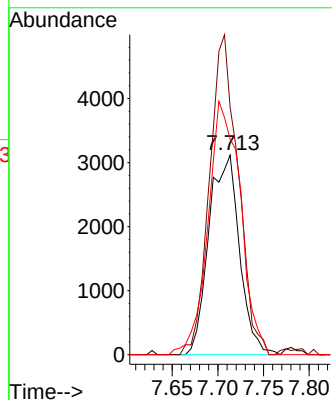
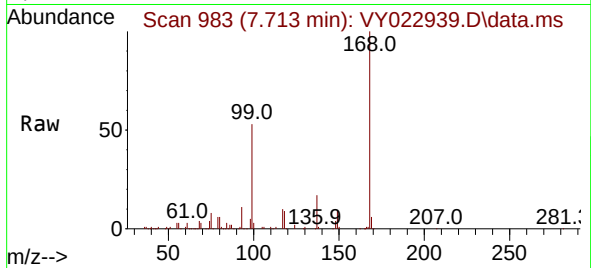




#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

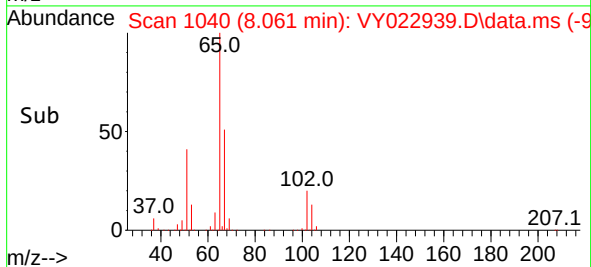
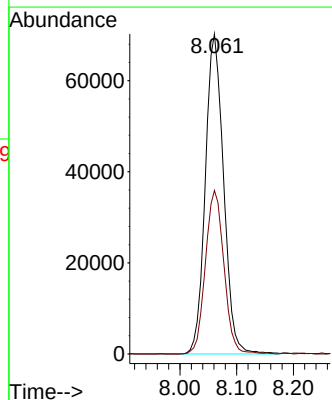
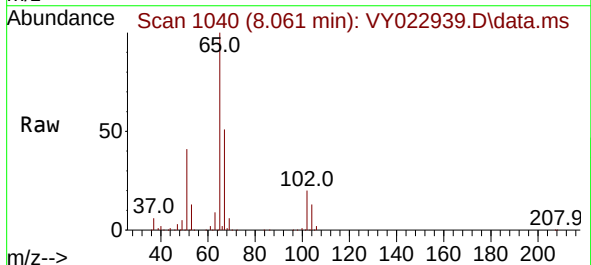
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

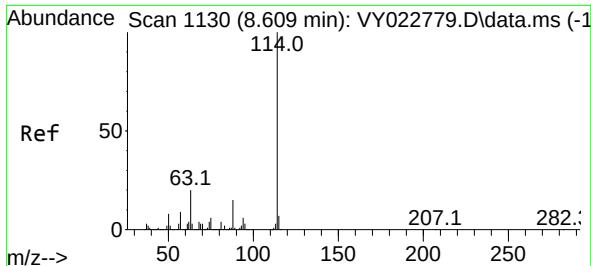
Tgt Ion: 56 Resp: 7253
Ion Ratio Lower Upper
56 100
69 124.0 27.0 40.6#
84 108.1 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 52.563 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion: 65 Resp: 157321
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4

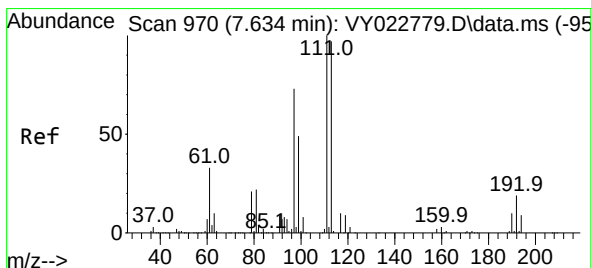
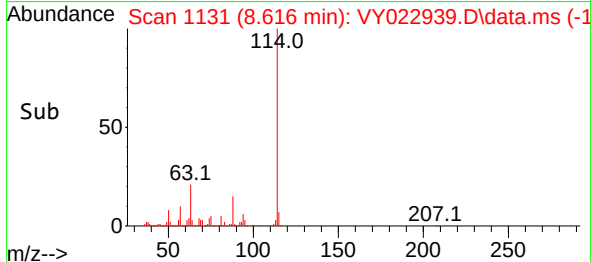
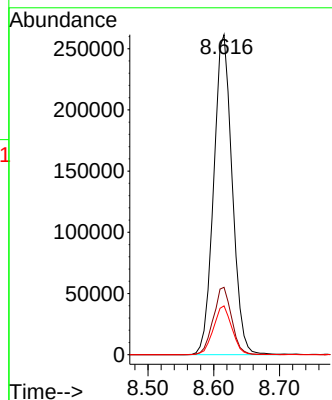
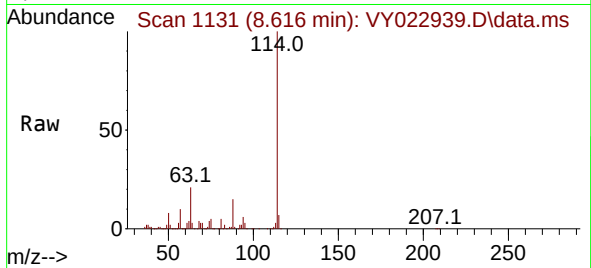




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

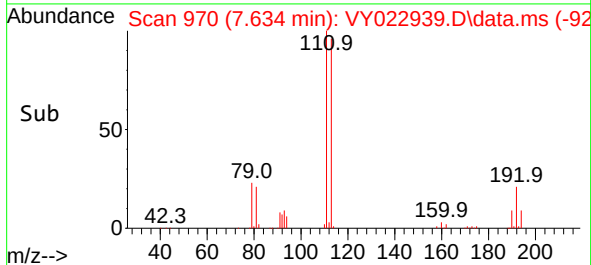
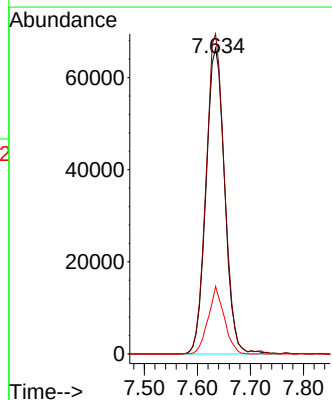
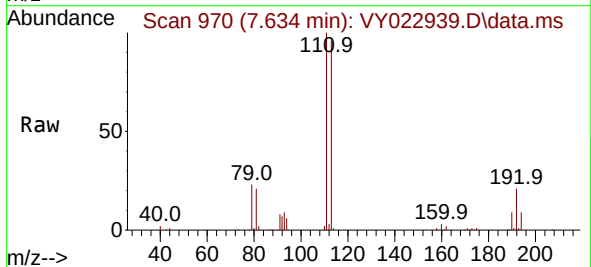
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

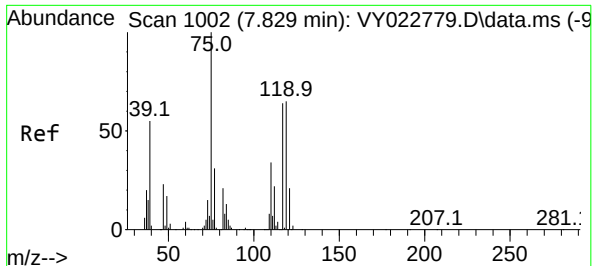
Tgt Ion:114 Resp: 511702
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 15.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.049 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion:113 Resp: 161972
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 19.2 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.263 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

G4(10)

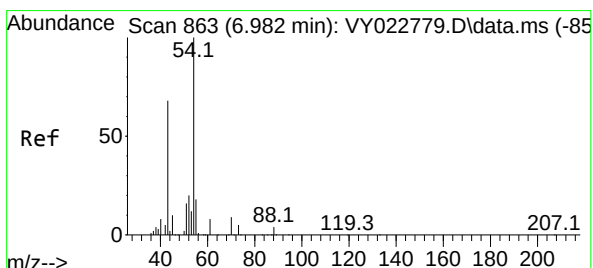
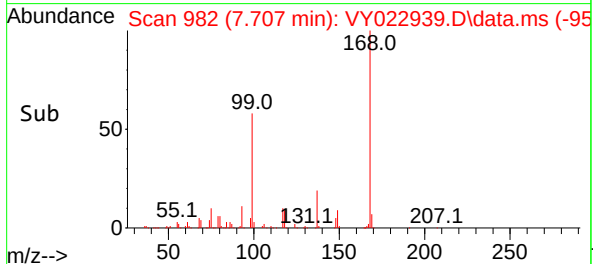
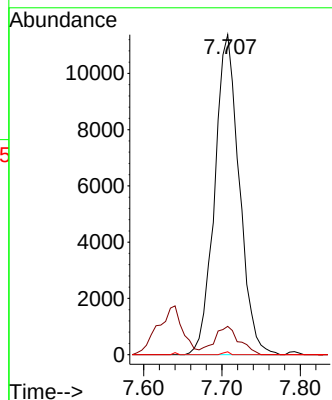
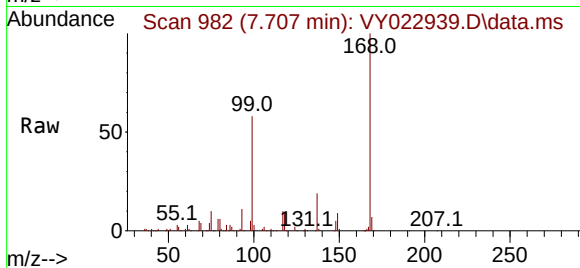
Tgt Ion: 75 Resp: 24824

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.2 24.8 37.2#



#37

Ethyl Acetate

Concen: 7.668 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.098 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

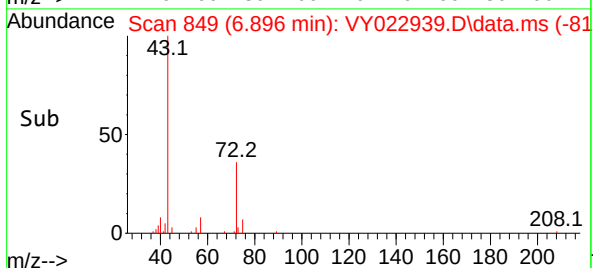
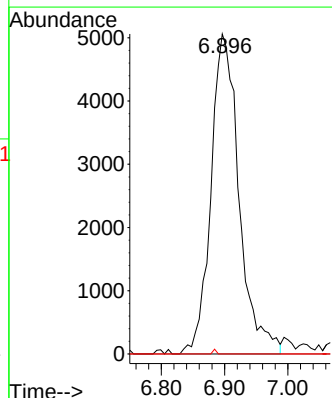
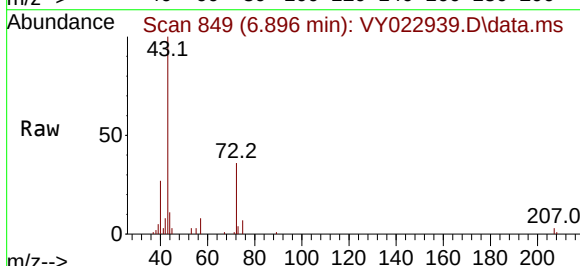
Tgt Ion: 43 Resp: 15608

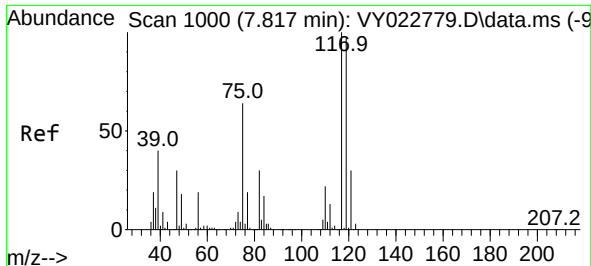
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.2 7.2 10.8#

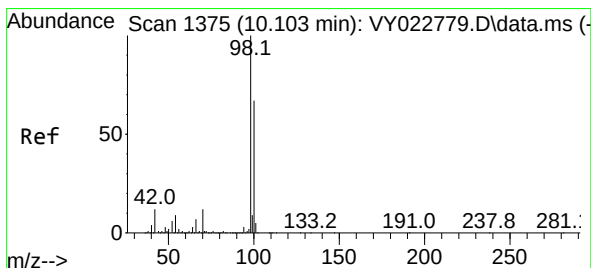
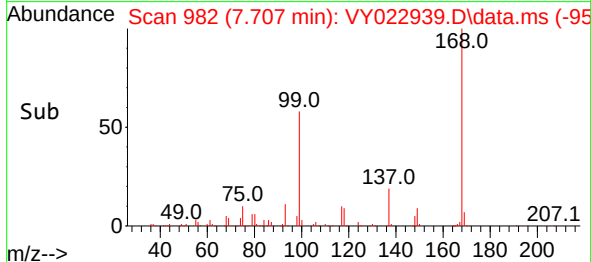
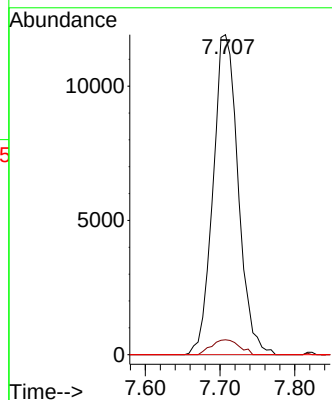
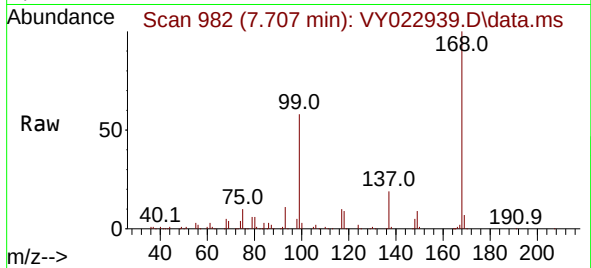




#38
Carbon Tetrachloride
Concen: 5.598 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

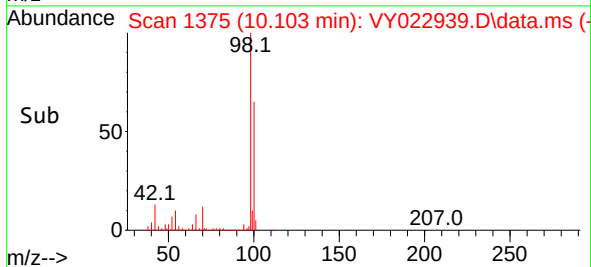
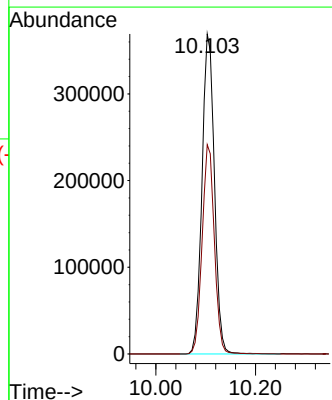
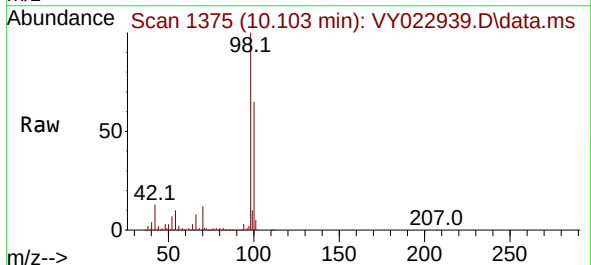
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G4(10)

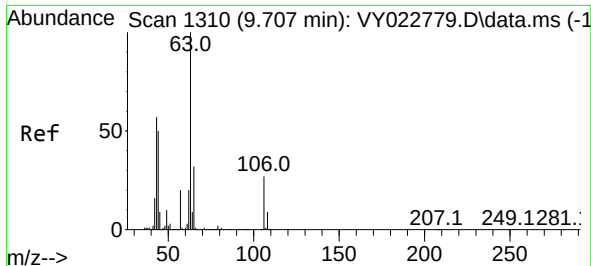
Tgt Ion:117 Resp: 27863
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.529 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion: 98 Resp: 636307
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

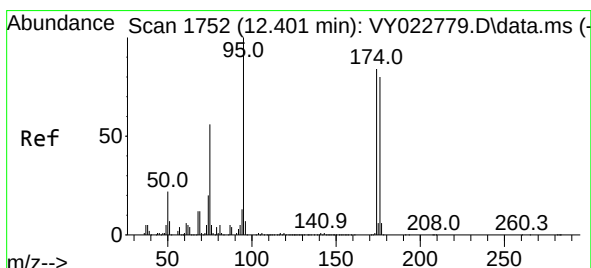
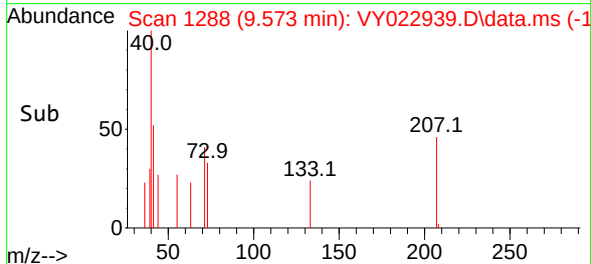
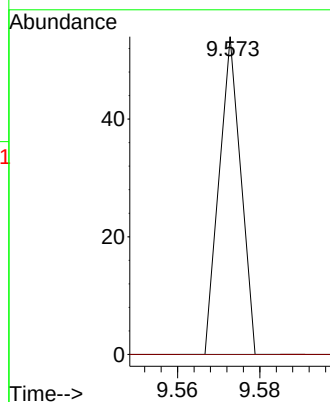
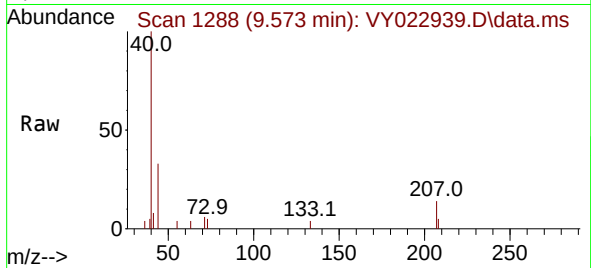




#58
2-Chloroethyl Vinyl ether
Concen: 15.666 ug/l
RT: 9.573 min Scan# 11
Delta R.T. -0.140 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

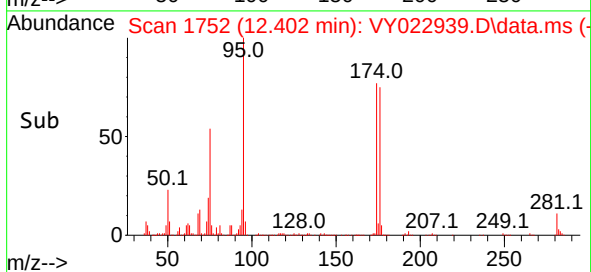
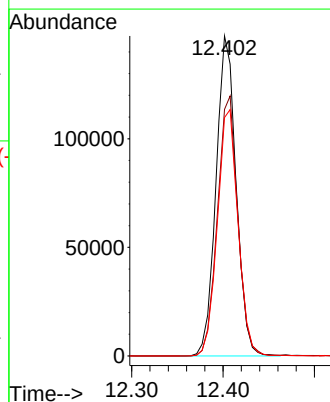
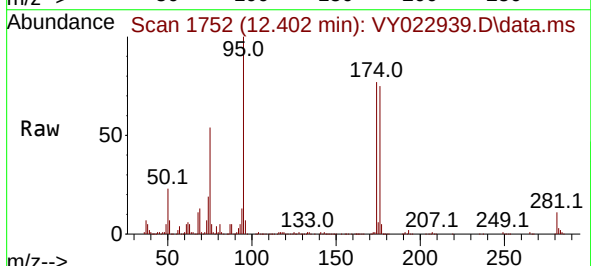
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

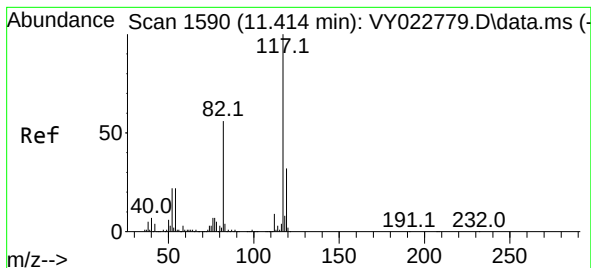
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 56.697 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion: 95 Resp: 225067
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.0
176 79.2 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: VY022939.D

Acq: 03 Jul 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

G4(10)

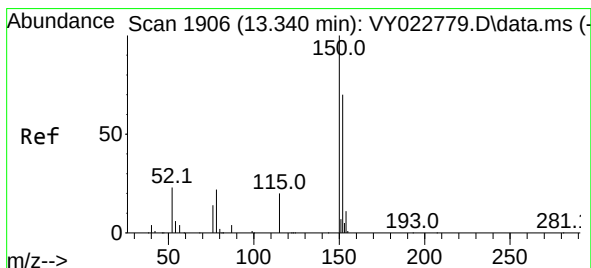
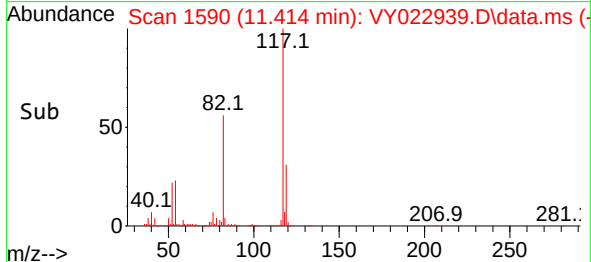
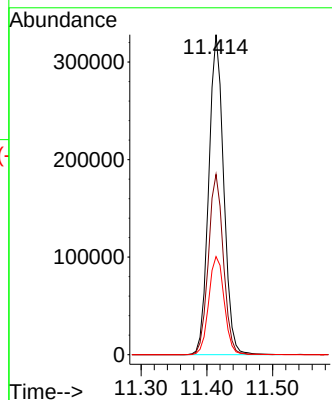
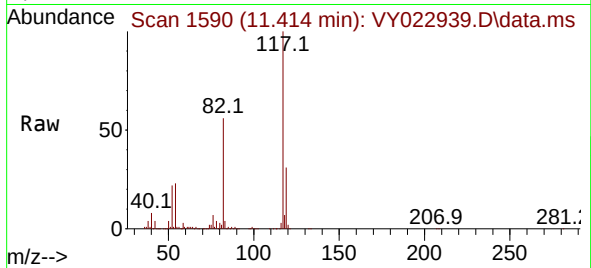
Tgt Ion:117 Resp: 518609

Ion Ratio Lower Upper

117 100

82 56.4 44.6 66.8

119 30.7 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: VY022939.D

Acq: 03 Jul 2025 13:50

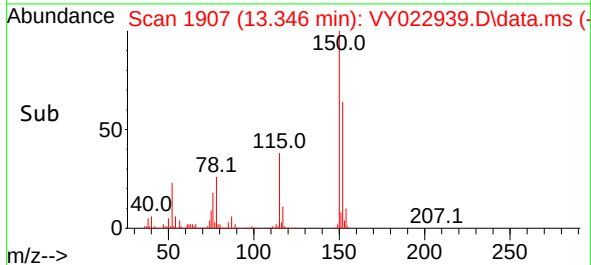
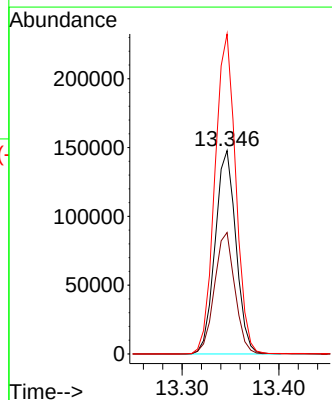
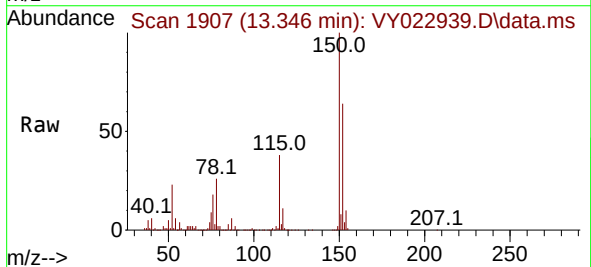
Tgt Ion:152 Resp: 221137

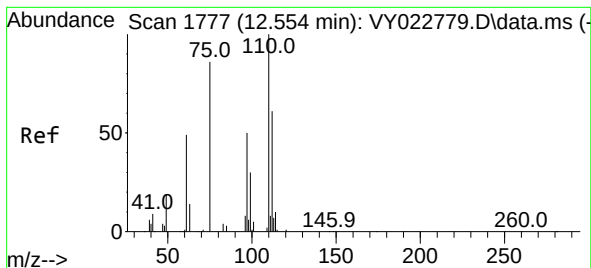
Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 157.5 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 55.220 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

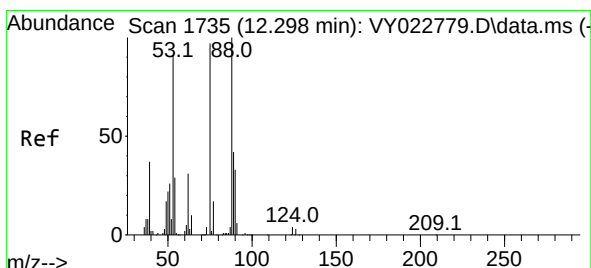
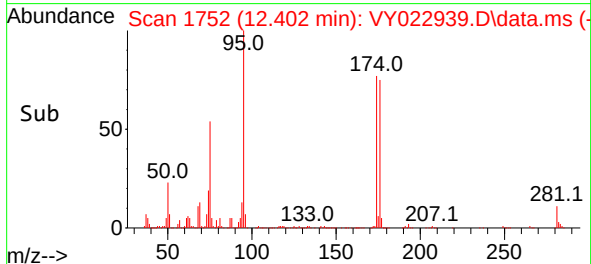
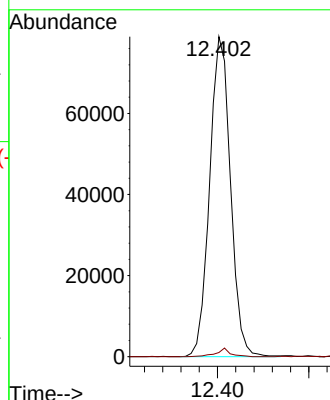
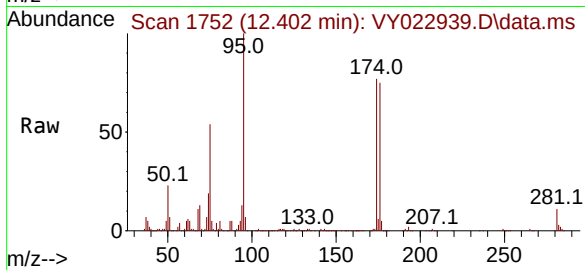
G4(10)

Tgt Ion: 75 Resp: 124665

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.506 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

Tgt Ion: 75 Resp: 124665

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.4 35.7 53.5#

