

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023372.D
 Acq On : 25 Sep 2025 14:32
 Operator : SY/MD
 Sample : Q3174-01
 Misc : 7.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 04:24:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

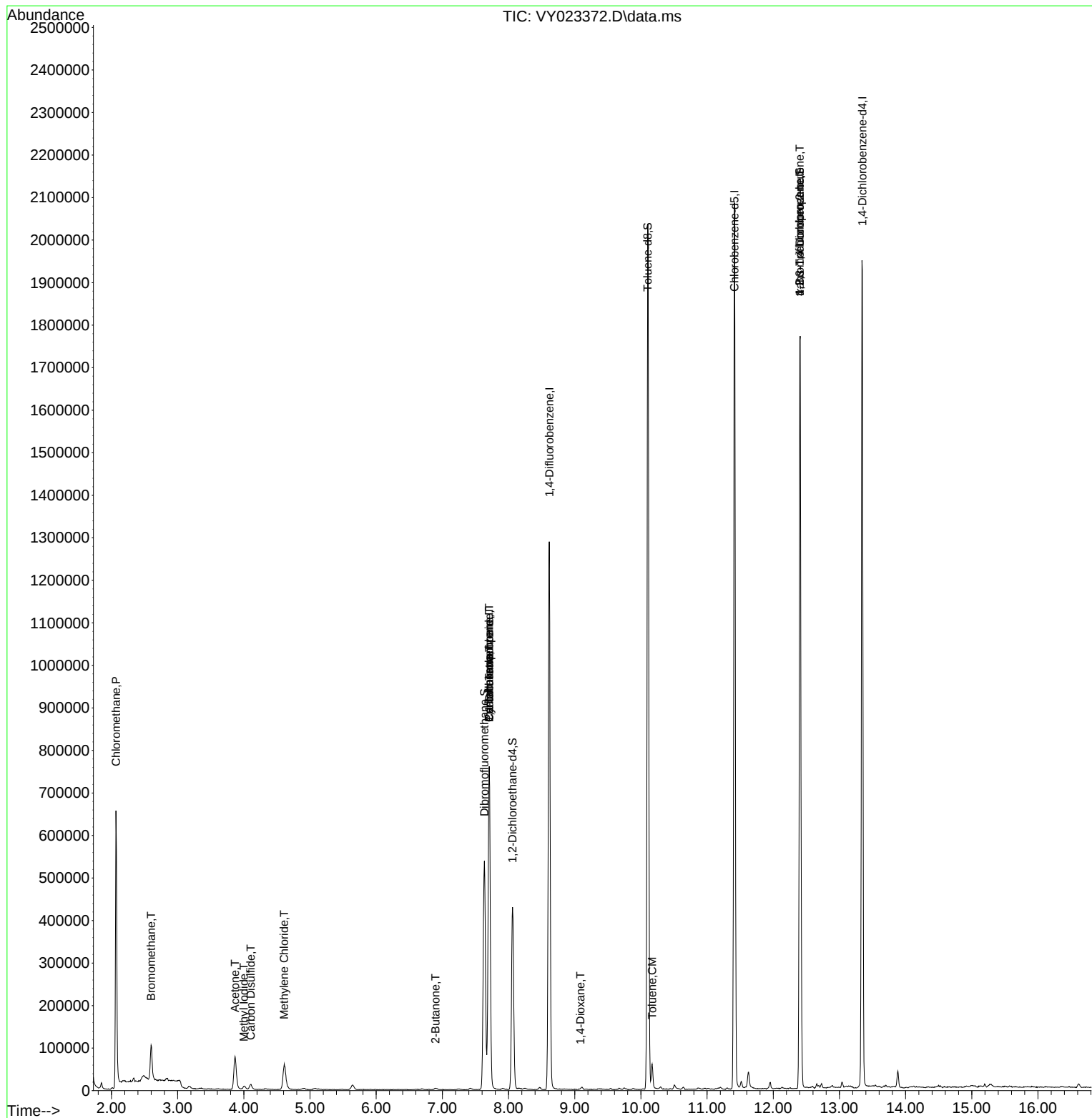
Internal Standards						
1) Pentafluorobenzene	7.707	168	636134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1166329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1147896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	537673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	340666	60.944	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.880%	
35) Dibromofluoromethane	7.634	113	385608	54.087	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.180%	
50) Toluene-d8	10.103	98	1382806	51.366	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	12.402	95	487868	57.586	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	545577	74.707	ug/l	97
5) Bromomethane	2.598	94	60358	8.035	ug/l	100
10) Methyl Iodide	4.001	142	12571	1.726	ug/l	96
16) Acetone	3.866	43	132382	103.971	ug/l	98
17) Carbon Disulfide	4.104	76	22682	1.193	ug/l	97
20) Methylene Chloride	4.610	84	45257	6.644	ug/l	91
25) 2-Butanone	6.896	43	3723	2.376	ug/l #	85
31) Cyclohexane	7.707	56	11844	1.211	ug/l #	8
36) 1,1-Dichloropropene	7.707	75	42407	4.176	ug/l #	49
38) Carbon Tetrachloride	7.707	117	57800	4.947	ug/l #	17
49) 1,4-Dioxane	9.085	88	50	1.135	ug/l #	1
52) Toluene	10.170	92	23284	1.162	ug/l	97
76) 1,2,3-Trichloropropane	12.402	75	239801	44.041	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	239801	120.104	ug/l #	14

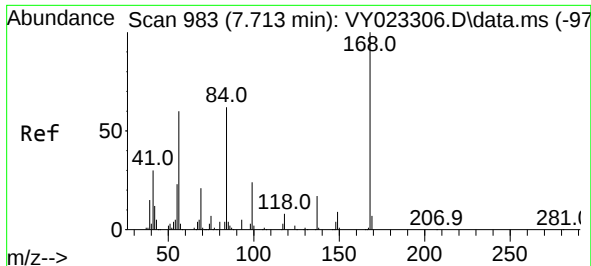
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 26 04:24:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

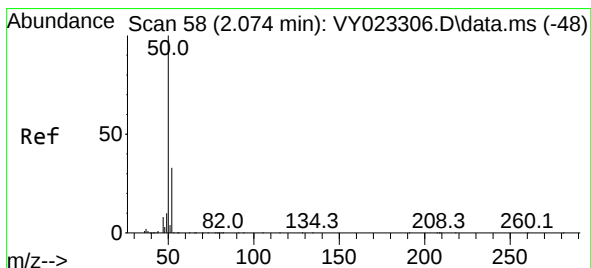
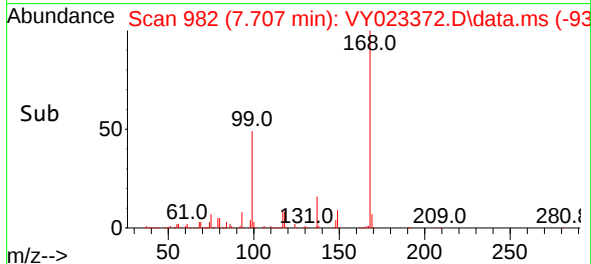
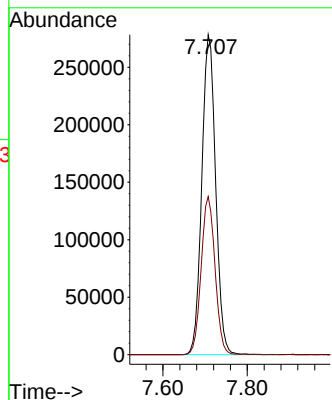
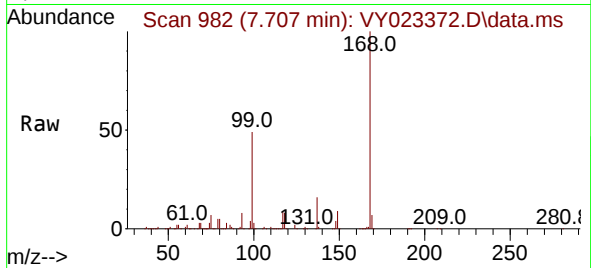




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

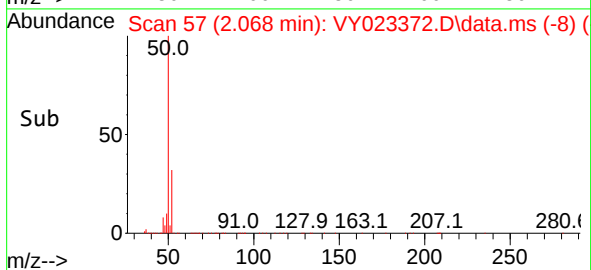
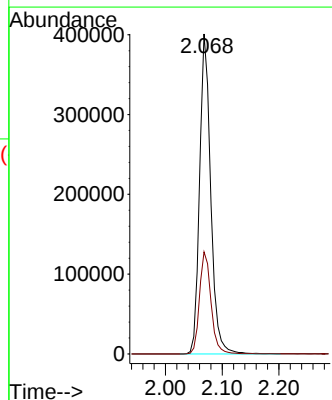
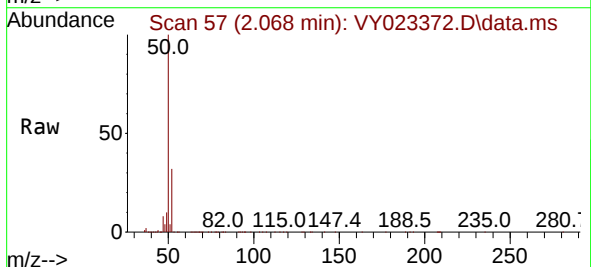
Instrument :
MSVOA_Y
ClientSampleId :

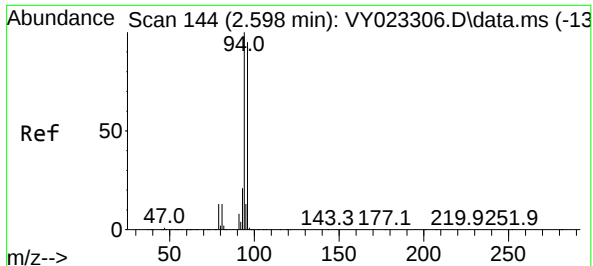
Tgt Ion:168 Resp: 636134
Ion Ratio Lower Upper
168 100
99 49.4 42.8 64.2



#3
Chloromethane
Concen: 74.707 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion: 50 Resp: 545577
Ion Ratio Lower Upper
50 100
52 31.9 26.7 40.1

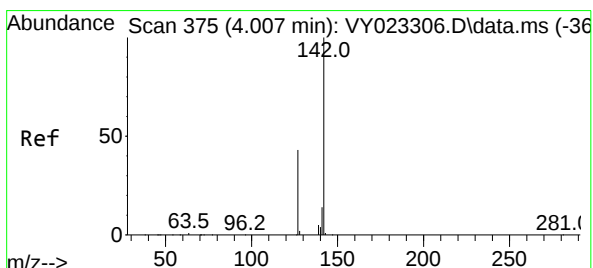
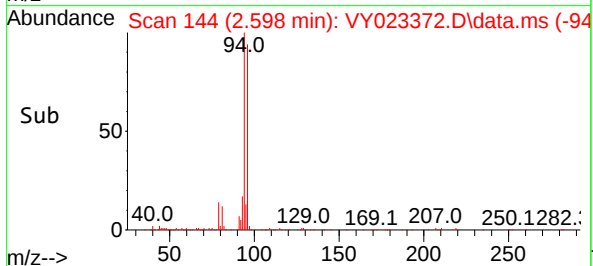
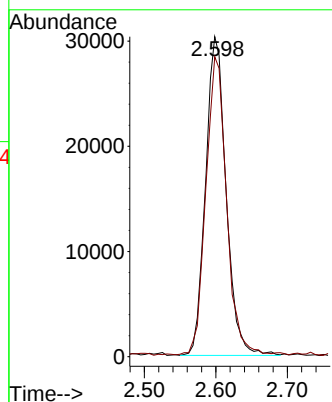
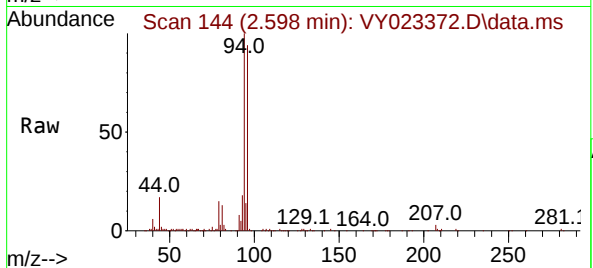




#5
Bromomethane
Concen: 8.035 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

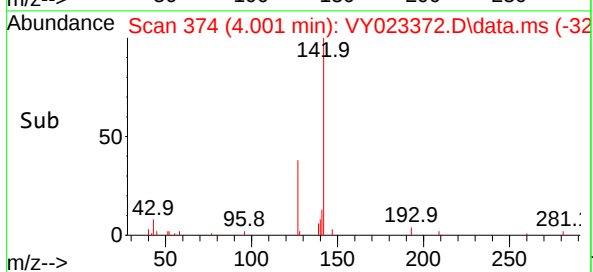
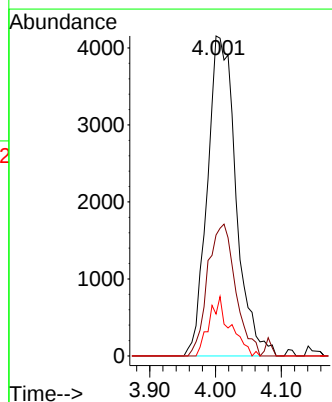
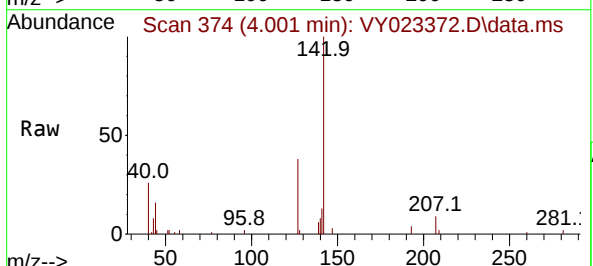
Instrument :
MSVOA_Y
ClientSampleId :

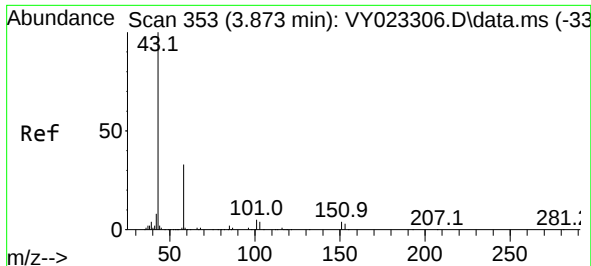
Tgt Ion: 94 Resp: 60358
Ion Ratio Lower Upper
94 100
96 93.4 74.6 112.0



#10
Methyl Iodide
Concen: 1.726 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion: 142 Resp: 12571
Ion Ratio Lower Upper
142 100
127 40.2 34.9 52.3
141 13.9 11.3 16.9

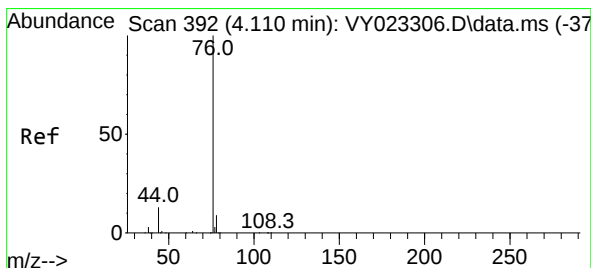
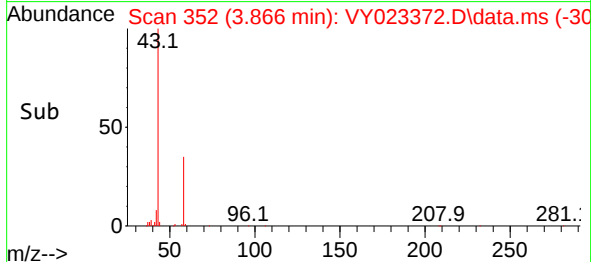
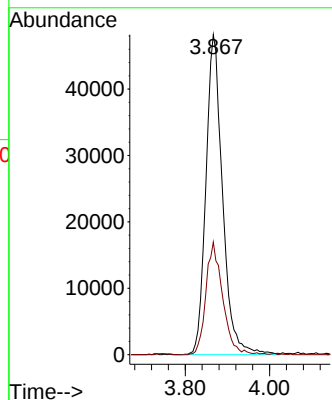
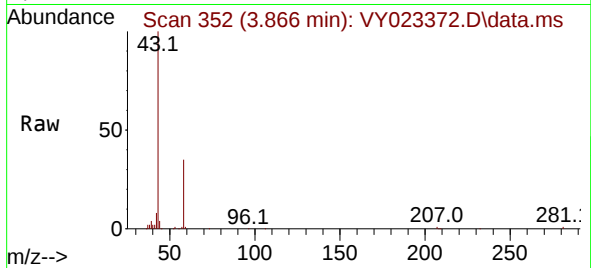




#16
Acetone
Concen: 103.971 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

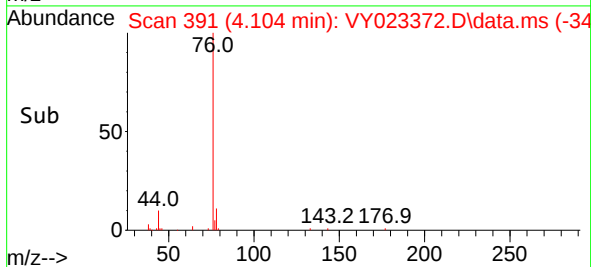
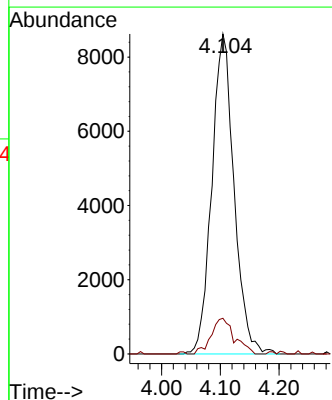
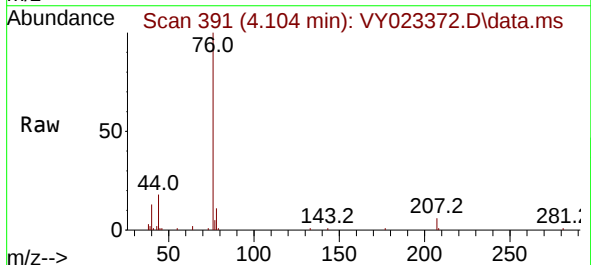
Instrument :
MSVOA_Y
ClientSampleId :

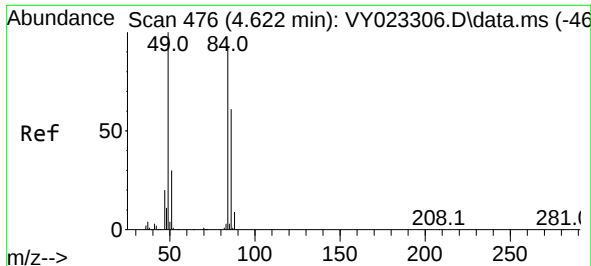
Tgt Ion: 43 Resp: 132382
Ion Ratio Lower Upper
43 100
58 35.2 27.1 40.7



#17
Carbon Disulfide
Concen: 1.193 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

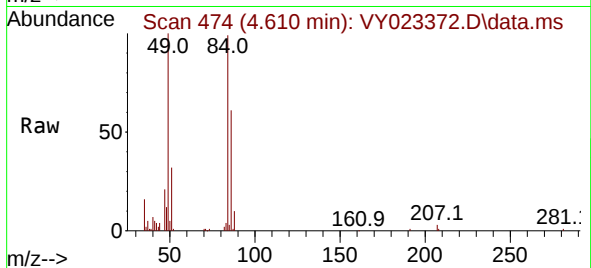
Tgt Ion: 76 Resp: 22682
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.2



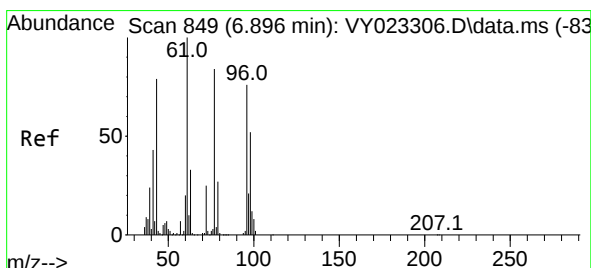
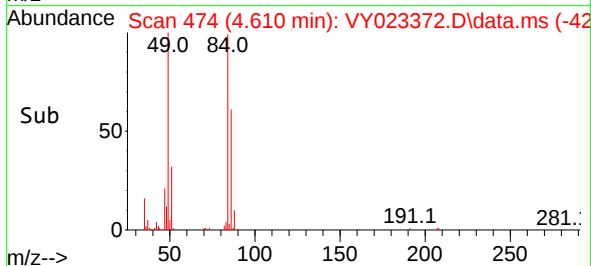
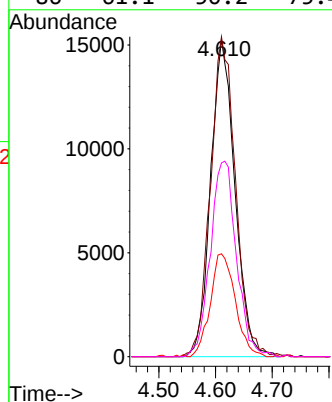


#20
Methylene Chloride
Concen: 6.644 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :

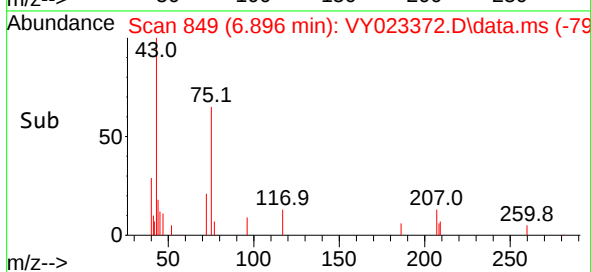
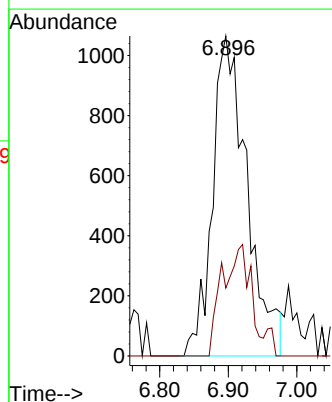
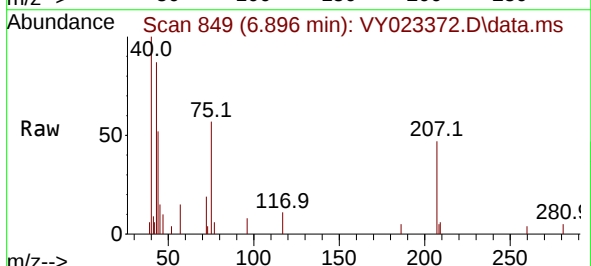


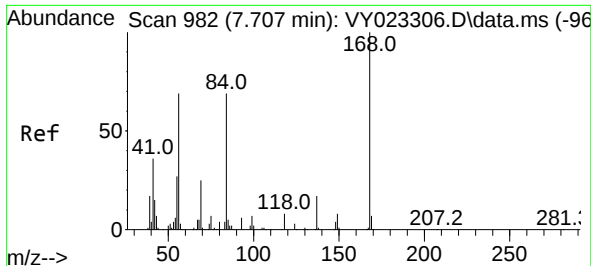
Tgt Ion:	84	Resp:	45257
Ion	Ratio	Lower	Upper
84	100		
49	100.9	93.0	139.6
51	32.4	29.0	43.4
86	61.1	50.2	75.4



#25
2-Butanone
Concen: 2.376 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

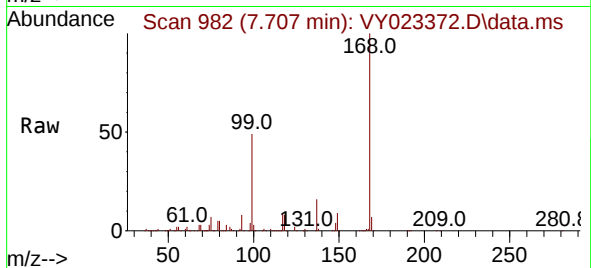
Tgt Ion:	43	Resp:	3723
Ion	Ratio	Lower	Upper
43	100		
72	21.2	23.5	35.3#



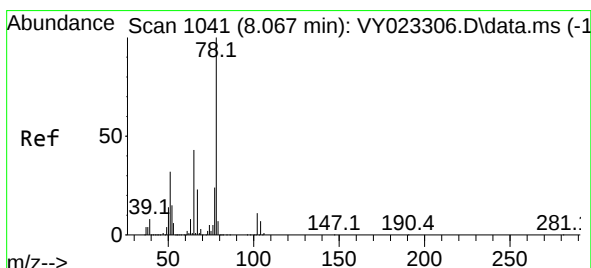
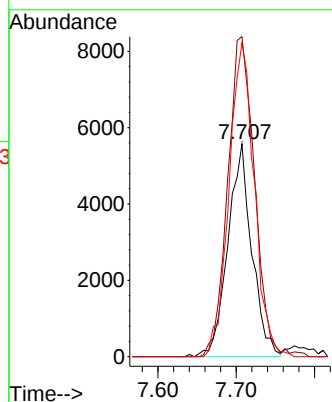
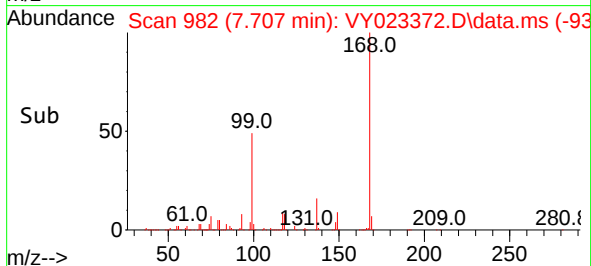


#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

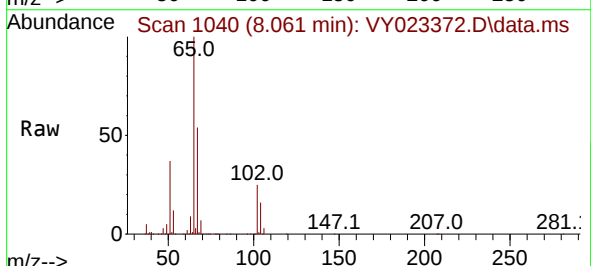
Instrument :
MSVOA_Y
ClientSampleId :



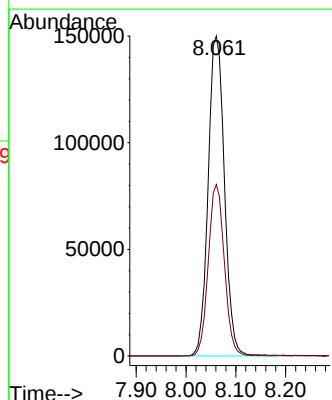
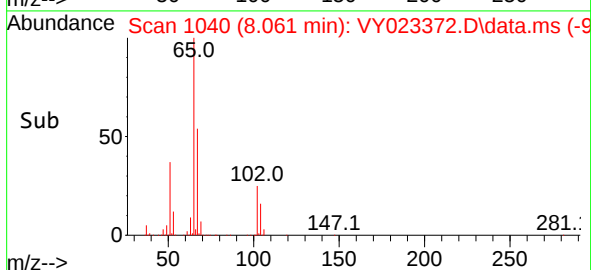
Tgt Ion: 56 Resp: 11844
Ion Ratio Lower Upper
56 100
69 150.4 28.2 42.2#
84 147.4 76.6 114.8#

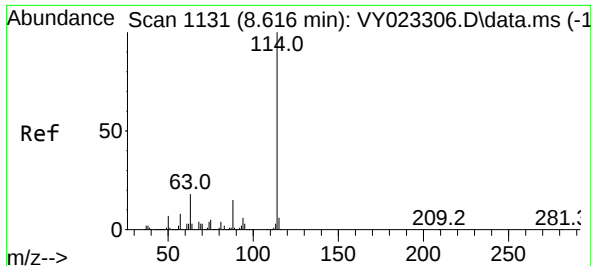


#33
1,2-Dichloroethane-d4
Concen: 60.944 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32



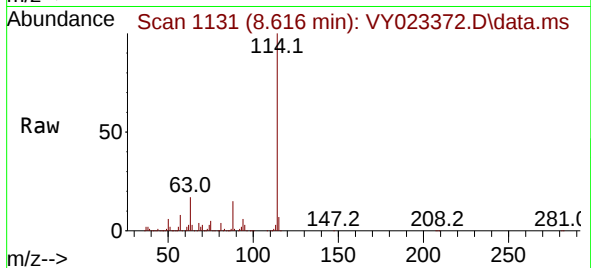
Tgt Ion: 65 Resp: 340666
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8



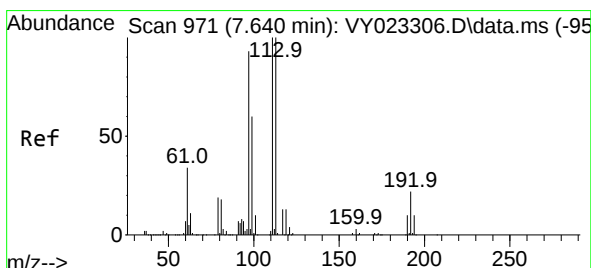
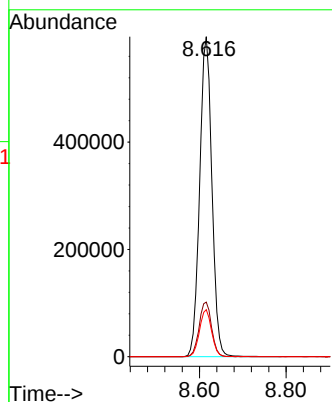
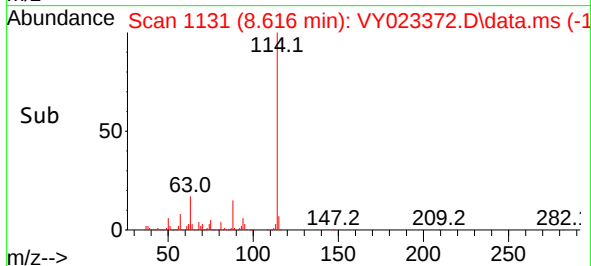


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :

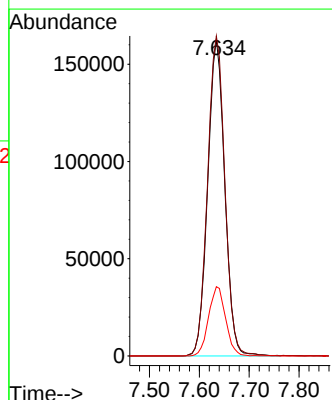
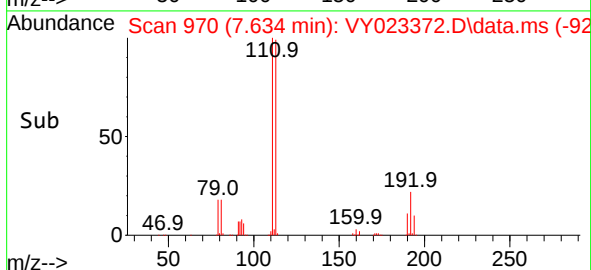
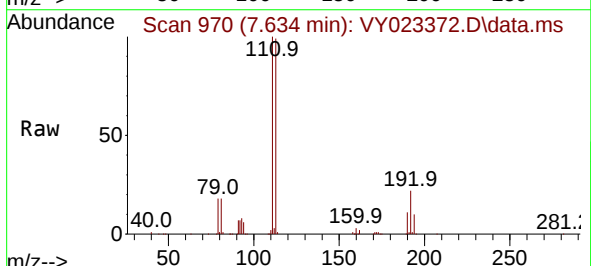


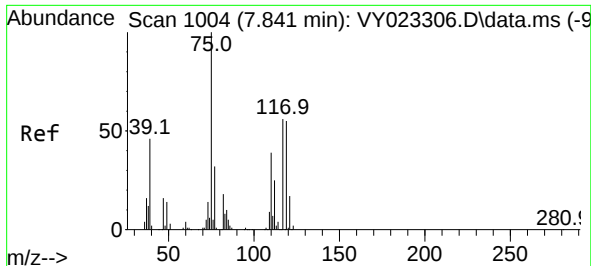
Tgt Ion:114 Resp: 1166329
Ion Ratio Lower Upper
114 100
63 17.1 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.087 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion:113 Resp: 385608
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 21.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.176 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023372.D

Acq: 25 Sep 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

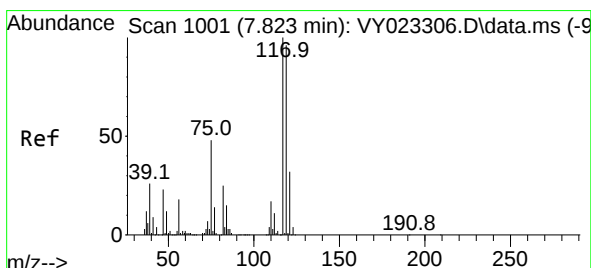
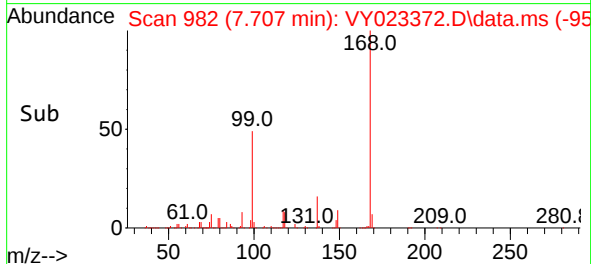
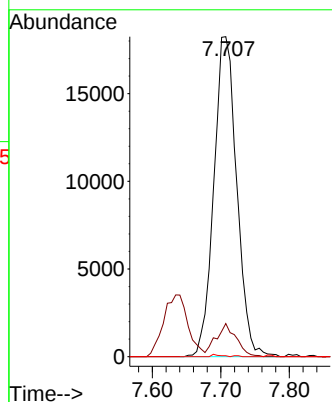
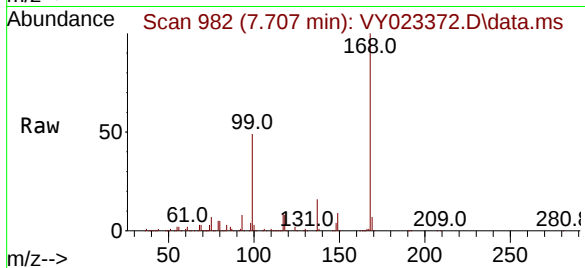
Tgt Ion: 75 Resp: 42407

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.947 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023372.D

Acq: 25 Sep 2025 14:32

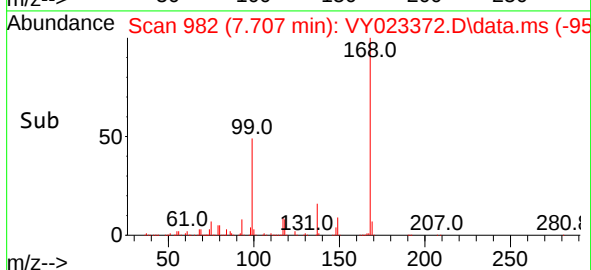
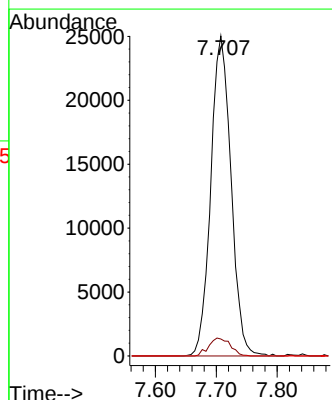
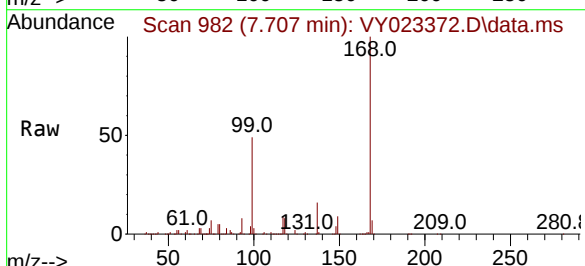
Tgt Ion: 117 Resp: 57800

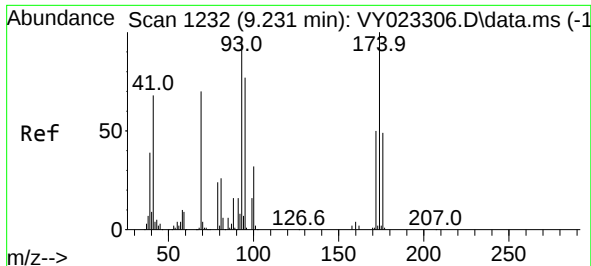
Ion Ratio Lower Upper

117 100

119 5.3 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 1.135 ug/l

RT: 9.085 min Scan# 11

Delta R.T. -0.140 min

Lab File: VY023372.D

Acq: 25 Sep 2025 14:32

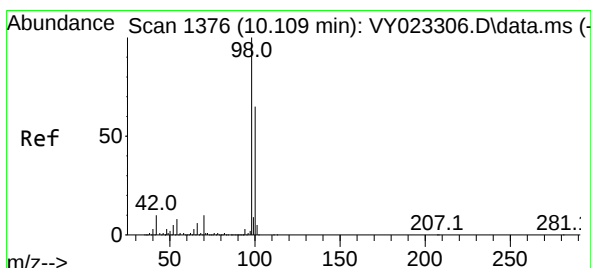
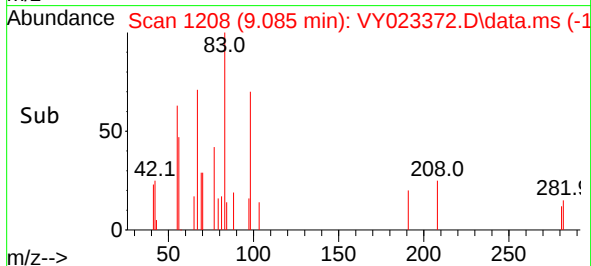
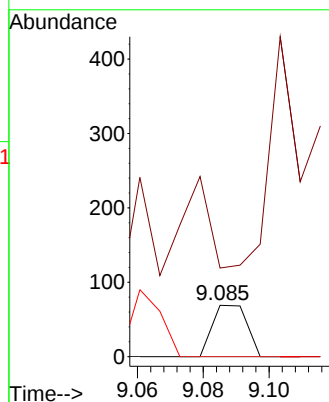
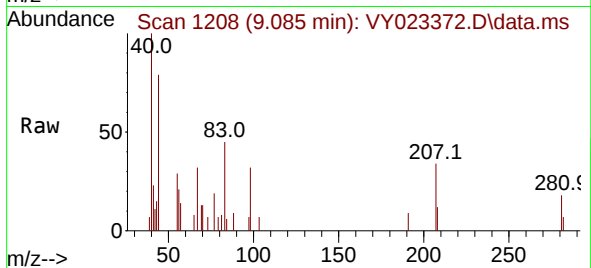
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 88 Resp: 50

Ion	Ratio	Lower	Upper
88	100		
43	1194.0	24.3	36.5#
58	0.0	55.4	83.0#



#50

Toluene-d8

Concen: 51.366 ug/l

RT: 10.103 min Scan# 1375

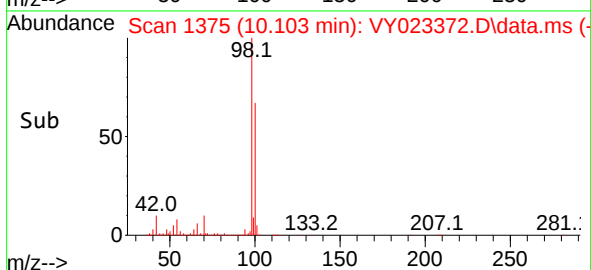
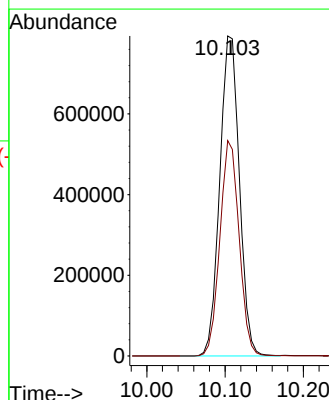
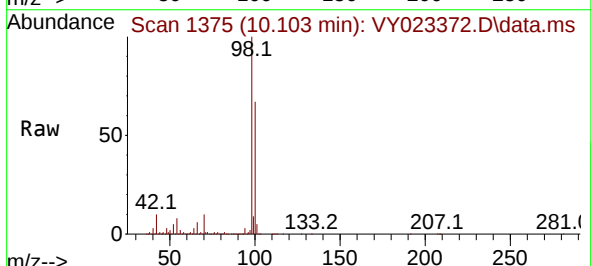
Delta R.T. 0.000 min

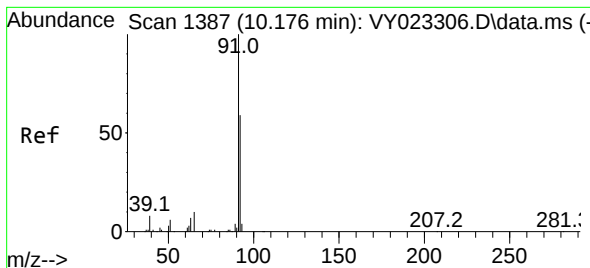
Lab File: VY023372.D

Acq: 25 Sep 2025 14:32

Tgt Ion: 98 Resp: 1382806

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.3	78.5





#52

Toluene

Concen: 1.162 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY023372.D

Acq: 25 Sep 2025 14:32

Instrument :

MSVOA_Y

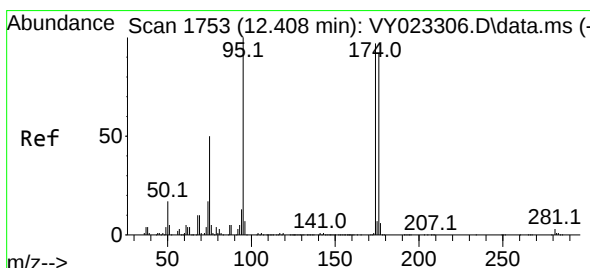
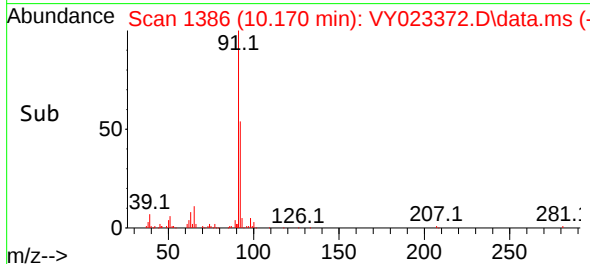
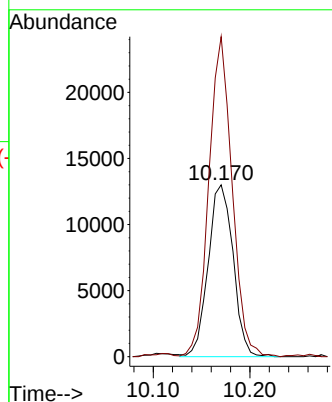
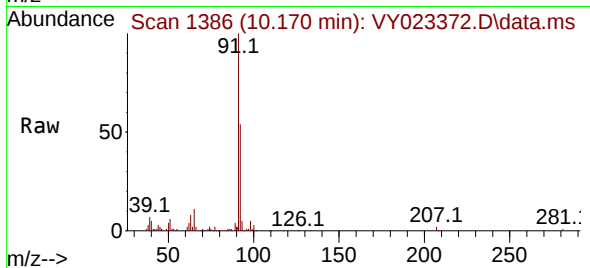
ClientSampleId :

Tgt Ion: 92 Resp: 23284

Ion Ratio Lower Upper

92 100

91 174.0 136.4 204.6



#62

4-Bromofluorobenzene

Concen: 57.586 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023372.D

Acq: 25 Sep 2025 14:32

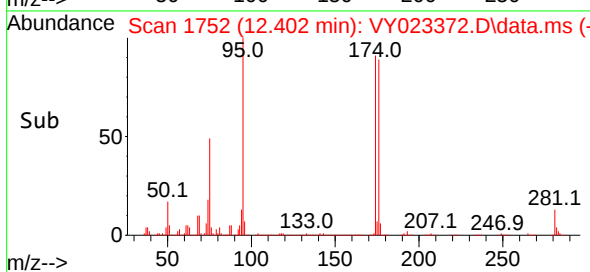
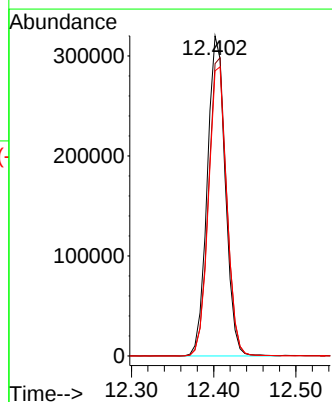
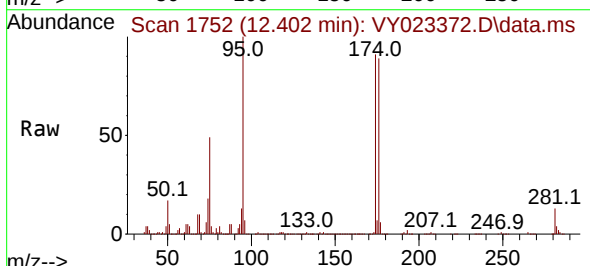
Tgt Ion: 95 Resp: 487868

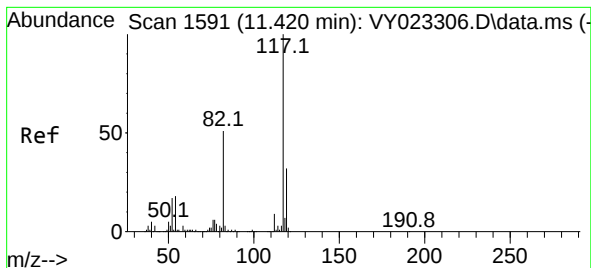
Ion Ratio Lower Upper

95 100

174 93.9 0.0 171.6

176 91.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023372.D

Acq: 25 Sep 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

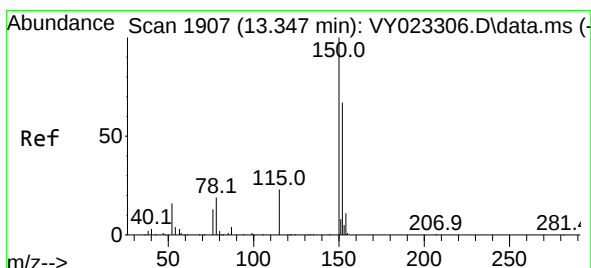
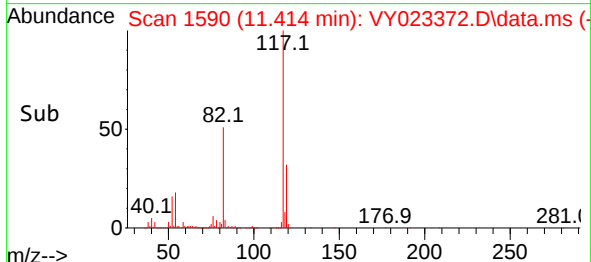
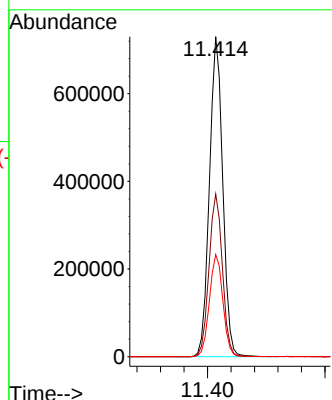
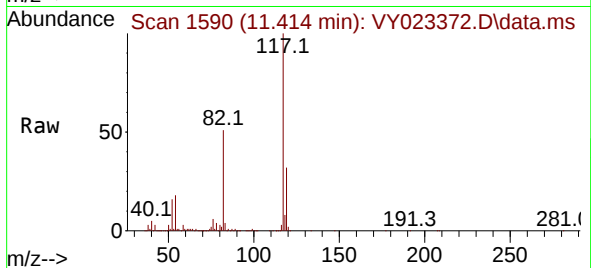
Tgt Ion:117 Resp: 1147896

Ion Ratio Lower Upper

117 100

82 50.9 43.4 65.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023372.D

Acq: 25 Sep 2025 14:32

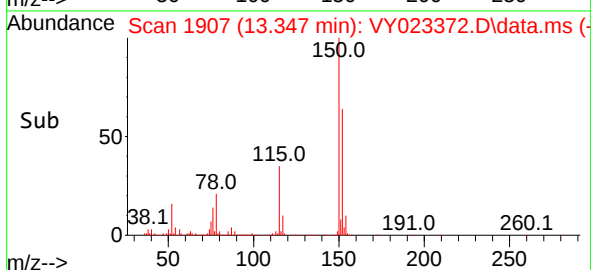
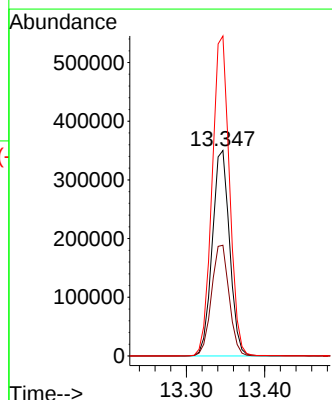
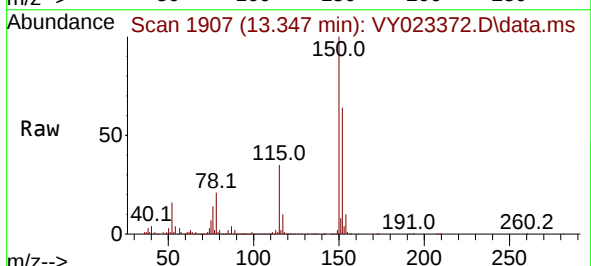
Tgt Ion:152 Resp: 537673

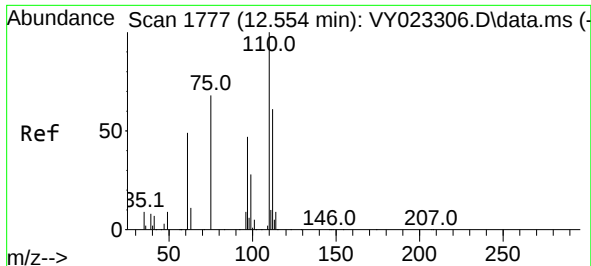
Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.6

150 156.2 0.0 348.0

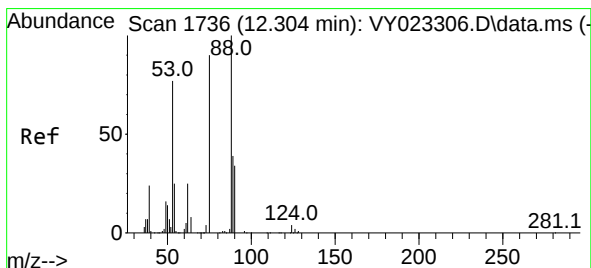
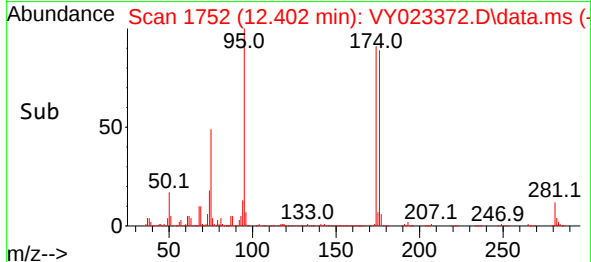
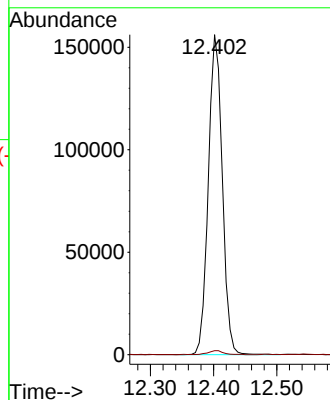
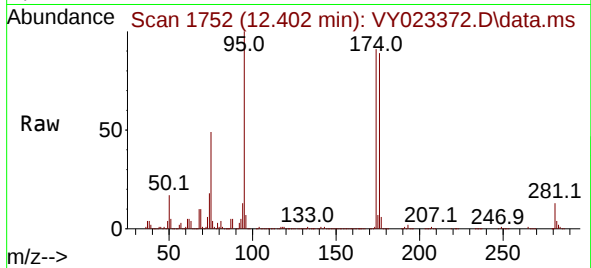




#76
1,2,3-Trichloropropane
Concen: 44.041 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 239801
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.104 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023372.D
Acq: 25 Sep 2025 14:32

Tgt Ion: 75 Resp: 239801
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.3 38.1 57.1#

