

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023352.D
 Acq On : 11 Sep 2025 16:36
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 12 01:30:21 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	7.713	168	616320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1123609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1075930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	476559	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306761	56.643	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.280%
35) Dibromofluoromethane	7.634	113	359691	52.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.740%
50) Toluene-d8	10.103	98	1330596	51.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.620%
62) 4-Bromofluorobenzene	12.401	95	435288	53.333	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.660%

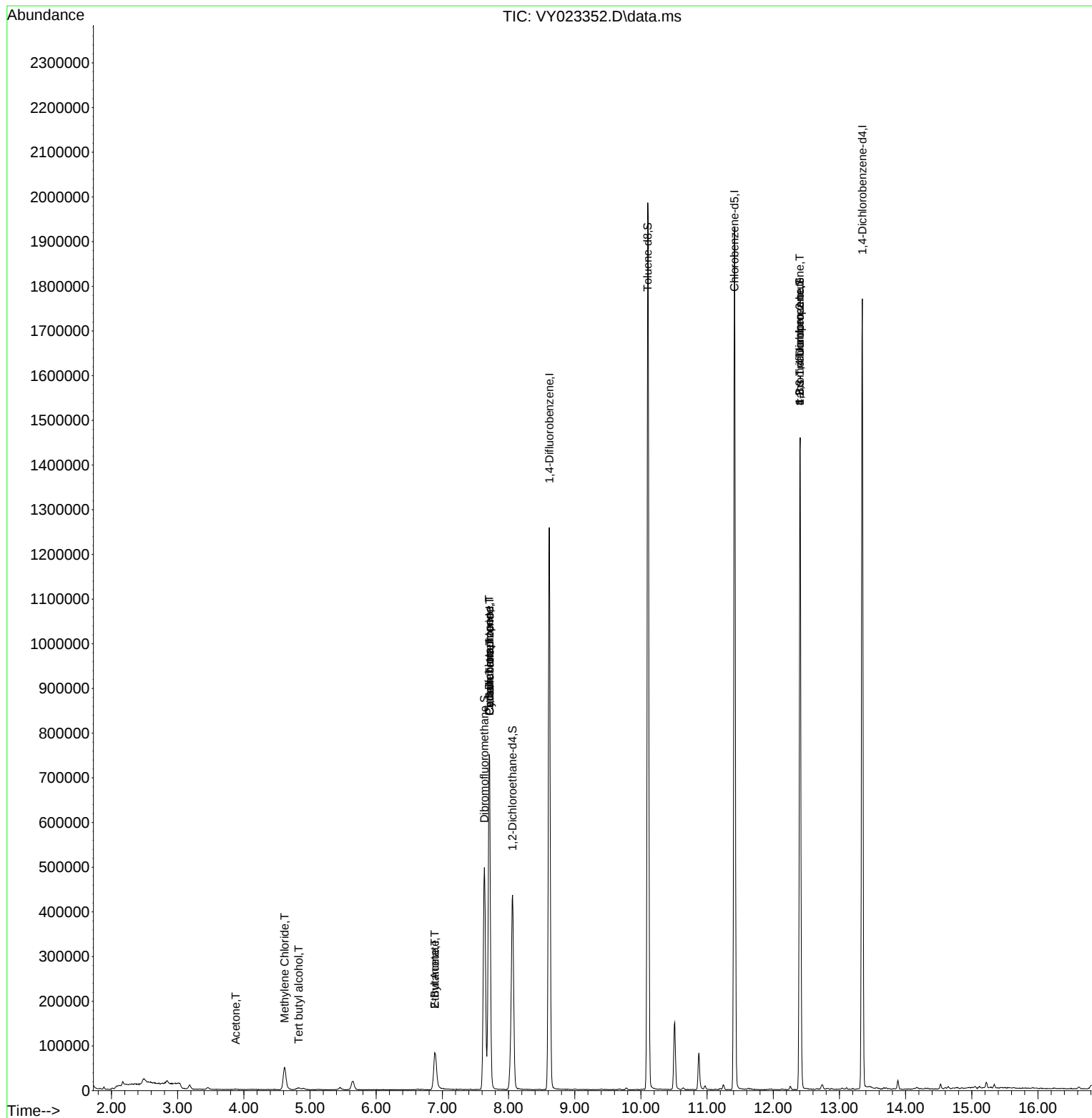
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.830	59	3602	11.511	ug/l #	74
16) Acetone	3.879	43	2172	1.761	ug/l	95
20) Methylene Chloride	4.616	84	38308	5.804	ug/l	94
25) 2-Butanone	6.884	43	4480	2.951	ug/l #	65
31) Cyclohexane	7.713	56	11049	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43068	4.403	ug/l #	50
37) Ethyl Acetate	6.884	43	4480	1.151	ug/l #	1
38) Carbon Tetrachloride	7.713	117	58954	5.238	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	215343	44.621	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	215343	121.685	ug/l #	14

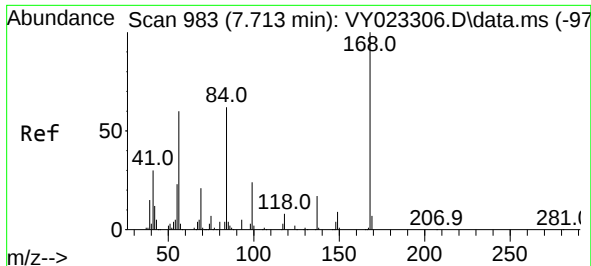
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

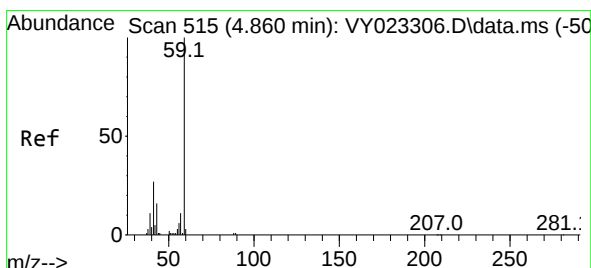
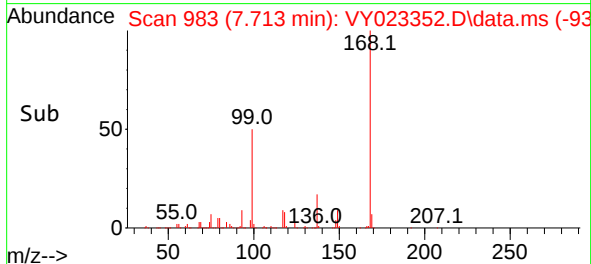
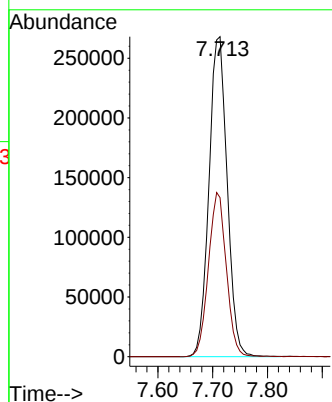
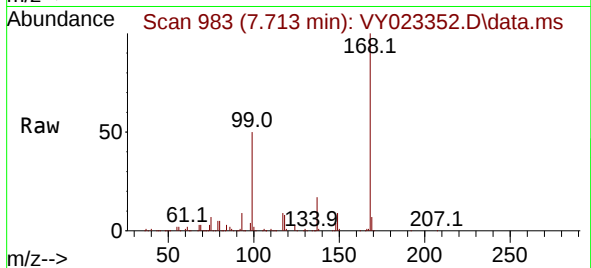




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

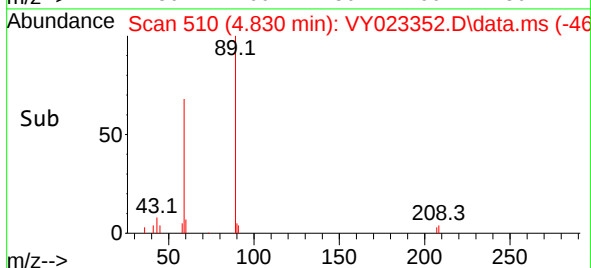
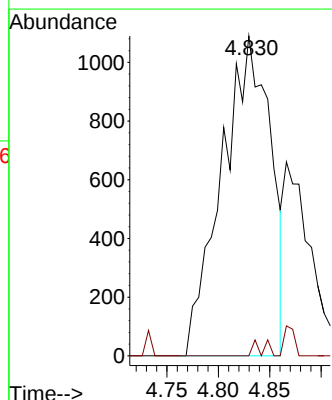
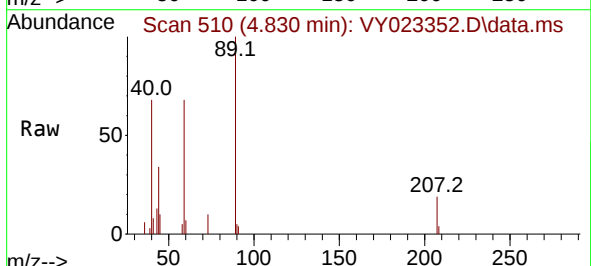
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

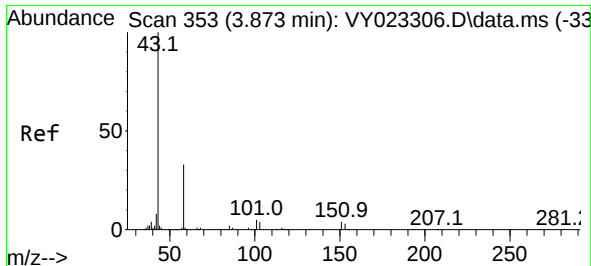
Tgt Ion:168 Resp: 616320
Ion Ratio Lower Upper
168 100
99 49.7 42.8 64.2



#11
Tert butyl alcohol
Concen: 11.511 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

Tgt Ion: 59 Resp: 3602
Ion Ratio Lower Upper
59 100
57 1.1 8.6 13.0#

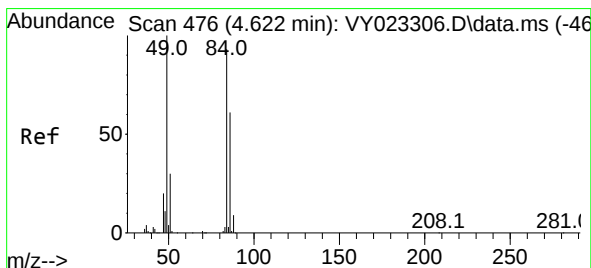
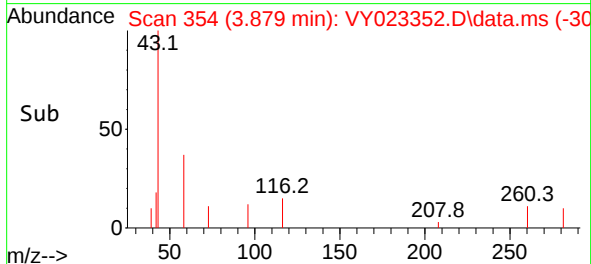
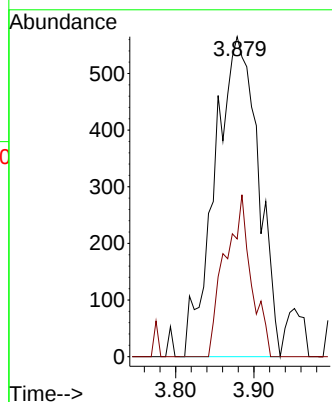
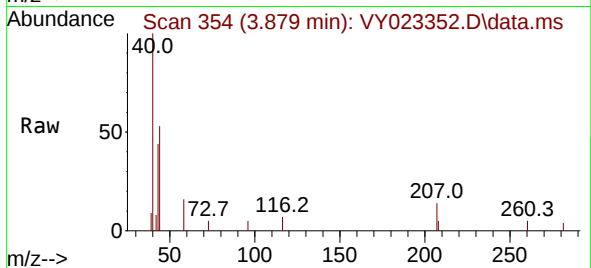




#16
Acetone
Concen: 1.761 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

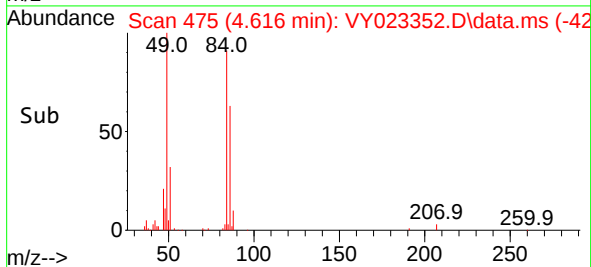
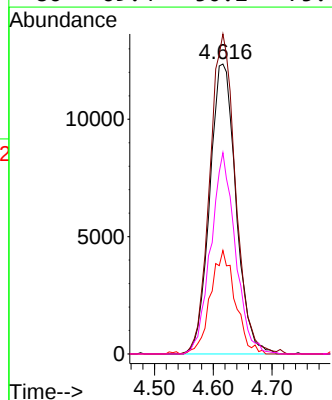
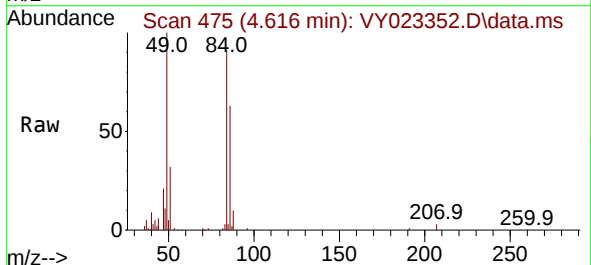
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

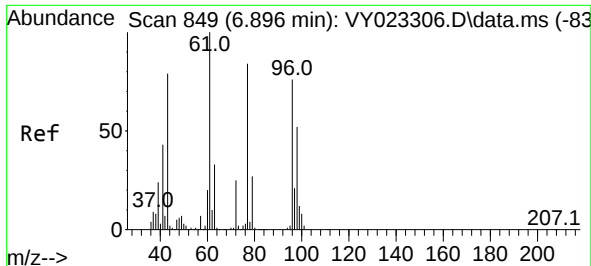
Tgt Ion: 43 Resp: 2172
Ion Ratio Lower Upper
43 100
58 36.8 27.1 40.7



#20
Methylene Chloride
Concen: 5.804 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

Tgt Ion: 84 Resp: 38308
Ion Ratio Lower Upper
84 100
49 110.4 93.0 139.6
51 35.7 29.0 43.4
86 69.4 50.2 75.4





#25

2-Butanone

Concen: 2.951 ug/l

RT: 6.884 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023352.D

Acq: 11 Sep 2025 16:36

Instrument :

MSVOA_Y

ClientSampleId :

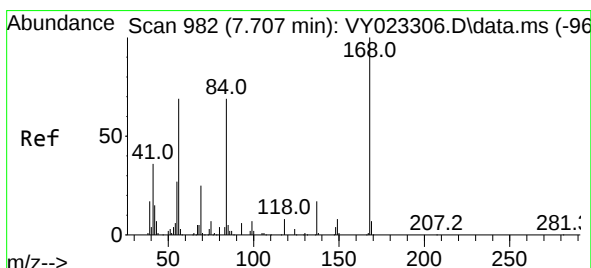
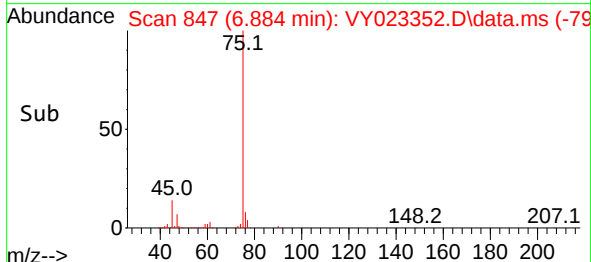
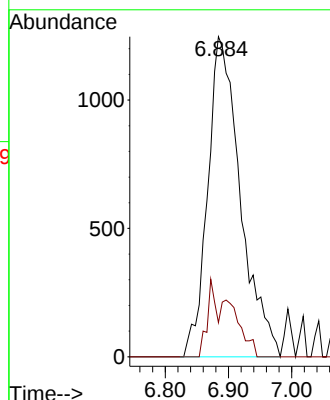
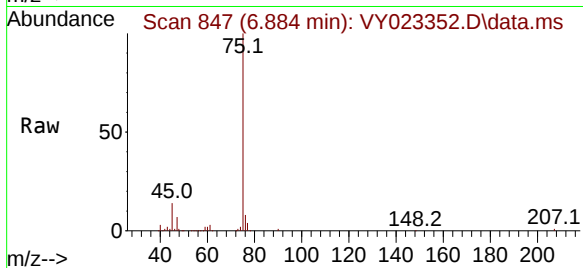
VIBLK

Tgt Ion: 43 Resp: 4480

Ion Ratio Lower Upper

43 100

72 10.7 23.5 35.3#



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.018 min

Lab File: VY023352.D

Acq: 11 Sep 2025 16:36

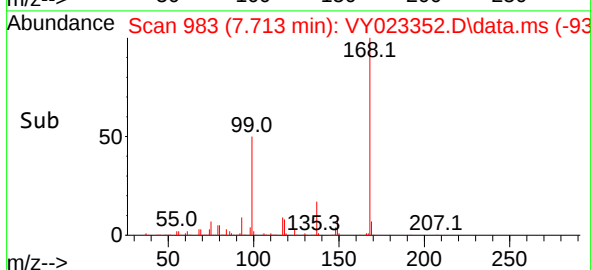
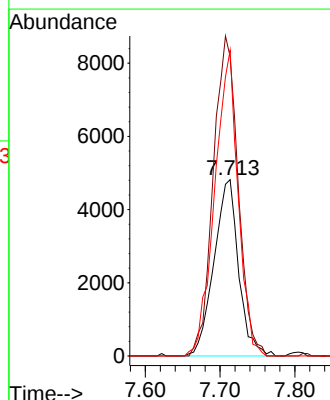
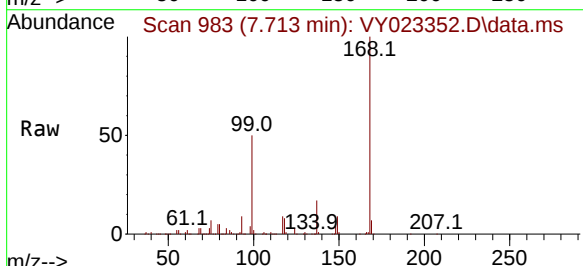
Tgt Ion: 56 Resp: 11049

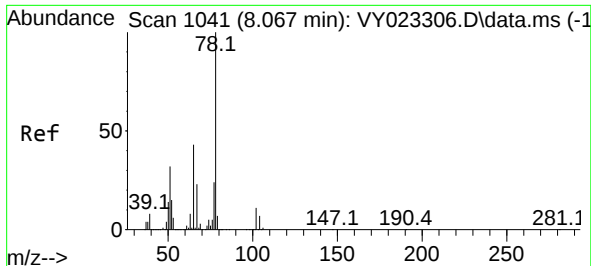
Ion Ratio Lower Upper

56 100

69 169.6 28.2 42.2#

84 173.4 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 56.643 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023352.D

Acq: 11 Sep 2025 16:36

Instrument :

MSVOA_Y

ClientSampleId :

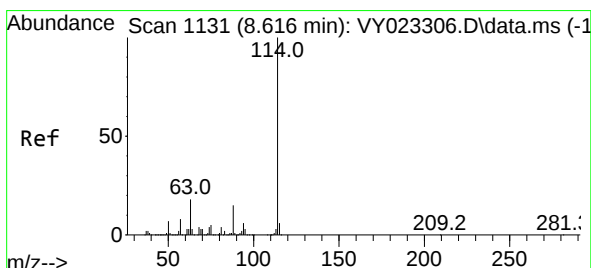
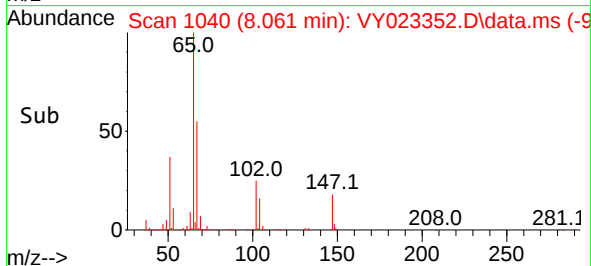
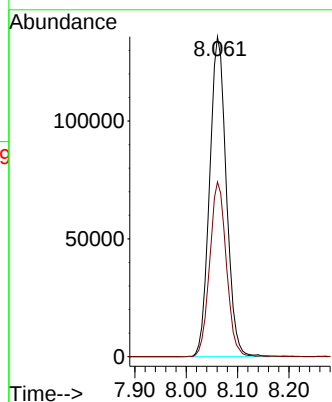
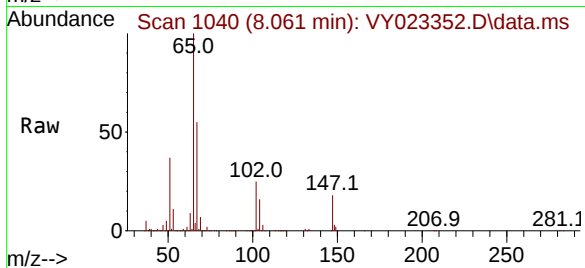
VIBLK

Tgt Ion: 65 Resp: 306761

Ion Ratio Lower Upper

65 100

67 54.2 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: VY023352.D

Acq: 11 Sep 2025 16:36

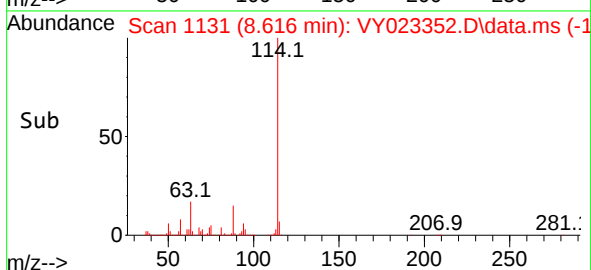
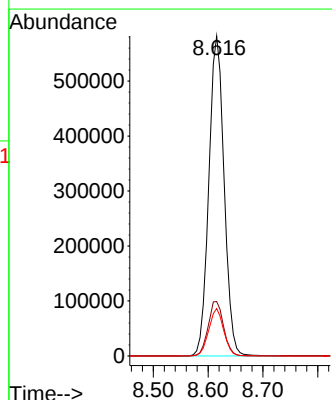
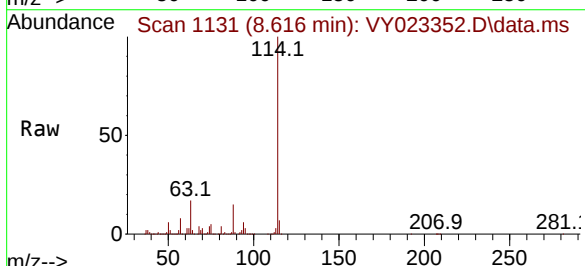
Tgt Ion:114 Resp: 1123609

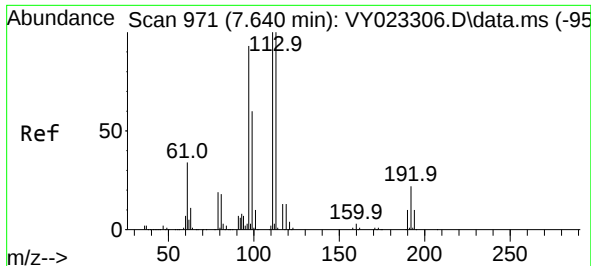
Ion Ratio Lower Upper

114 100

63 17.0 0.0 38.4

88 14.8 0.0 30.0

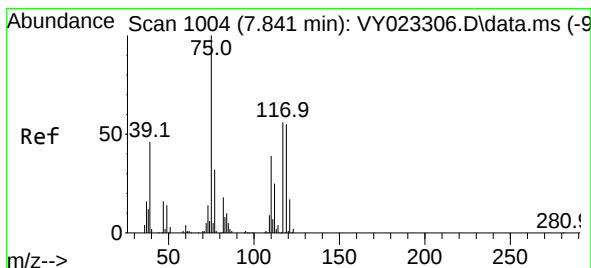
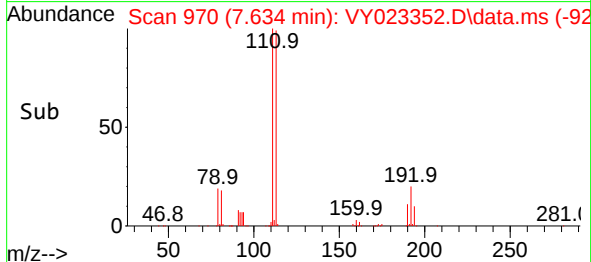
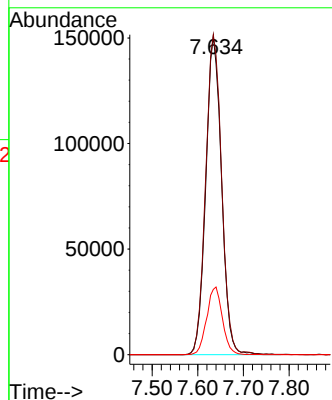
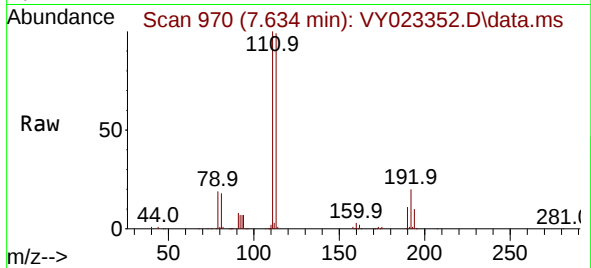




#35
Dibromofluoromethane
Concen: 52.370 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

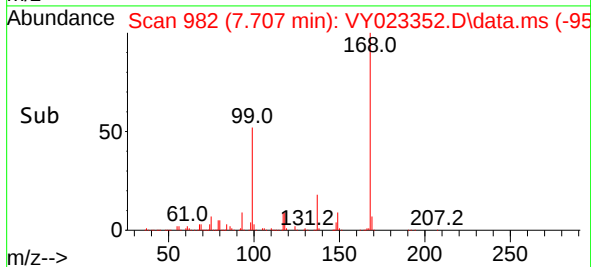
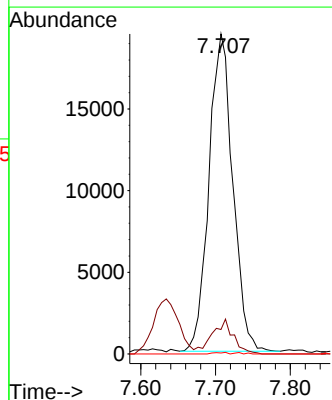
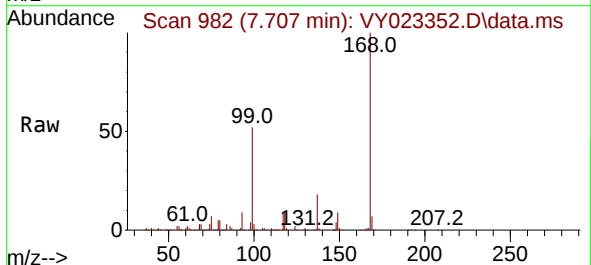
Instrument :
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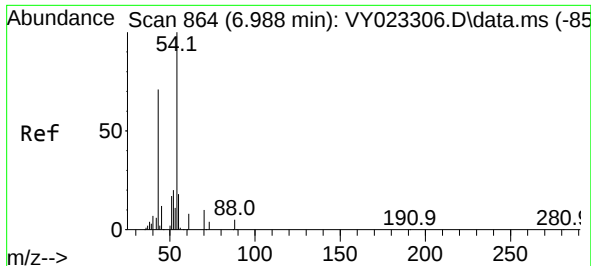
Tgt Ion:113 Resp: 359691
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 21.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.403 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

Tgt Ion: 75 Resp: 43068
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.3 24.6 37.0#

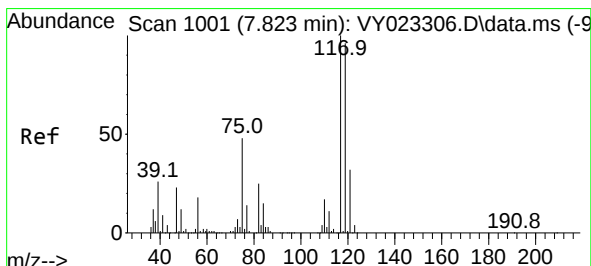
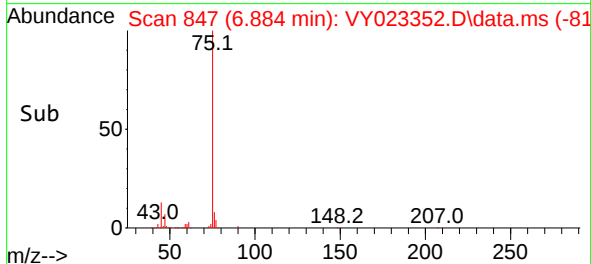
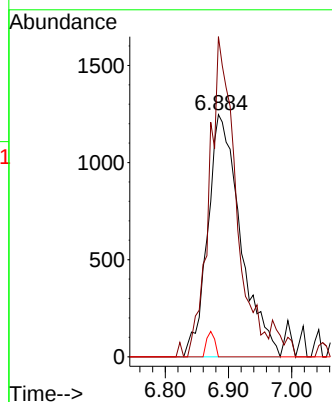
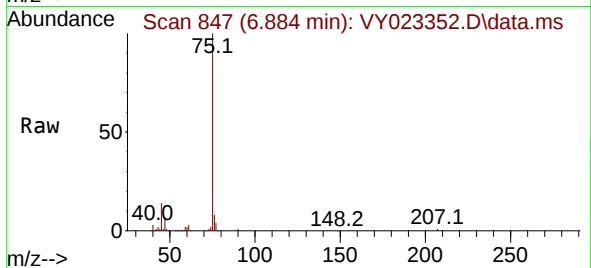




#37
Ethyl Acetate
Concen: 1.151 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.097 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

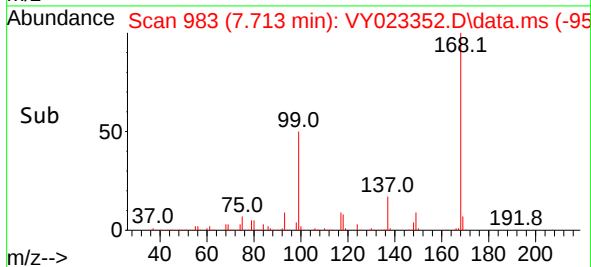
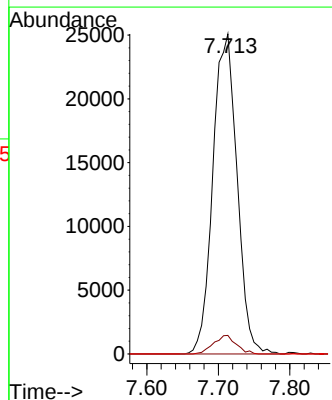
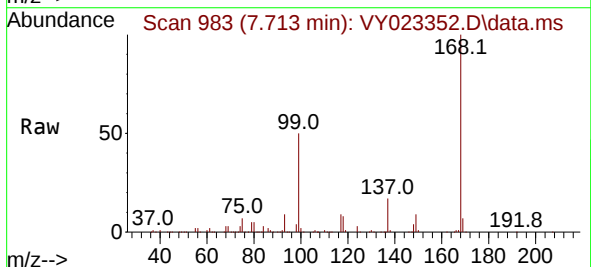
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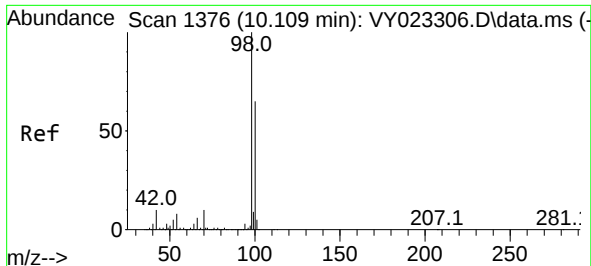
Tgt Ion: 43 Resp: 4480
Ion Ratio Lower Upper
43 100
61 107.5 11.9 17.9#
70 2.6 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.238 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.104 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

Tgt Ion: 117 Resp: 58954
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 25.8 38.8#

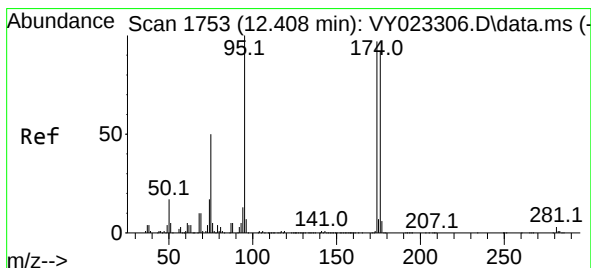
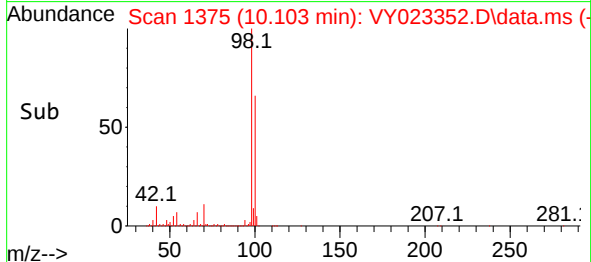
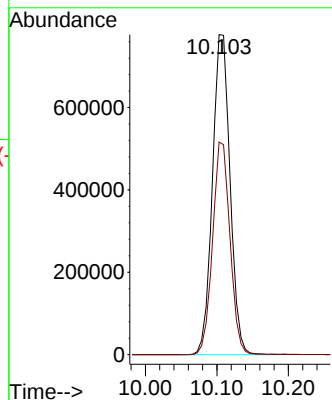
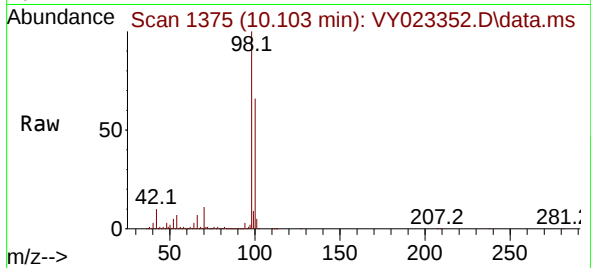




#50
Toluene-d8
Concen: 51.305 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

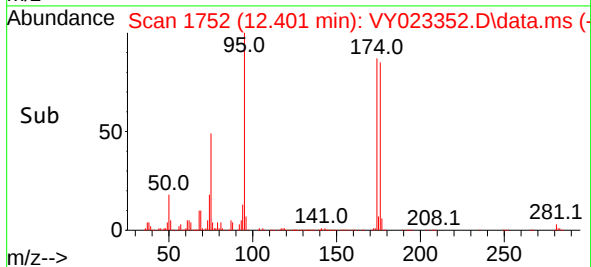
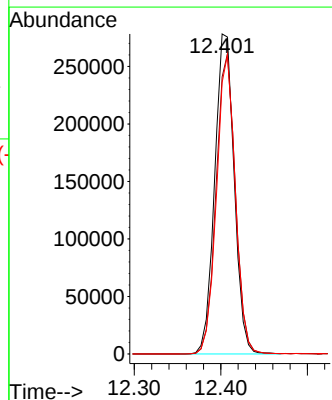
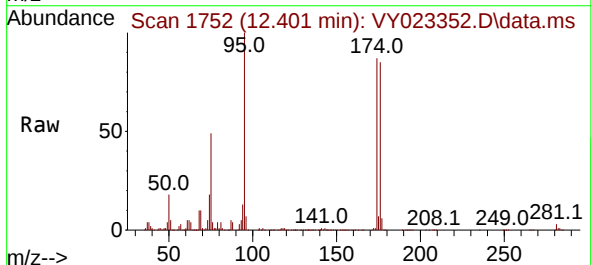
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

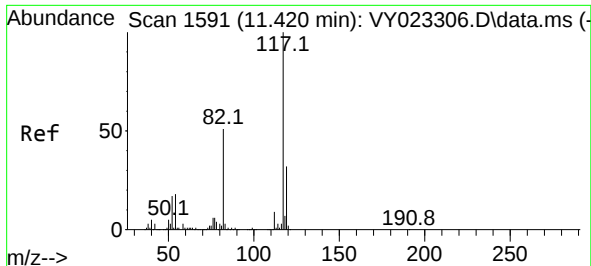
Tgt Ion: 98 Resp: 1330596
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 53.333 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

Tgt Ion: 95 Resp: 435288
Ion Ratio Lower Upper
95 100
174 92.3 0.0 171.6
176 90.1 0.0 167.6

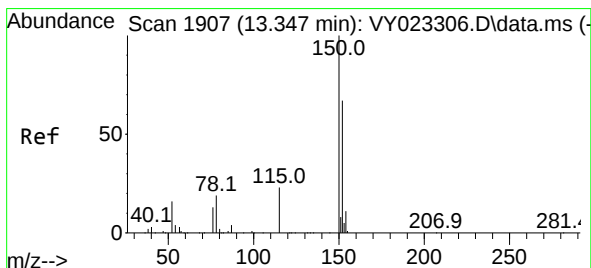
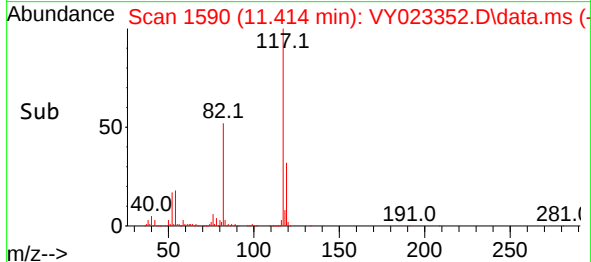
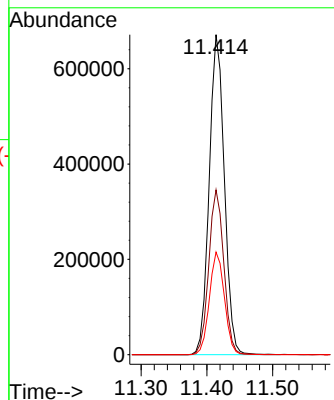
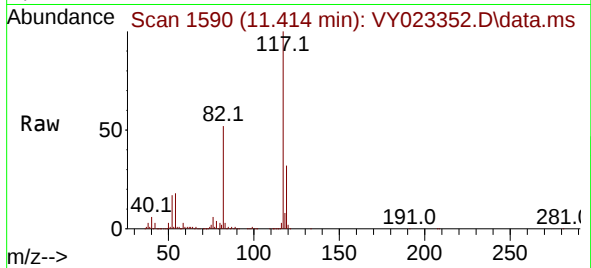




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

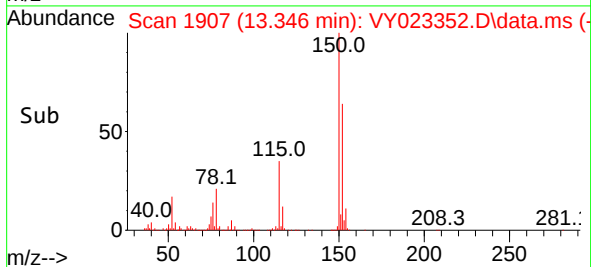
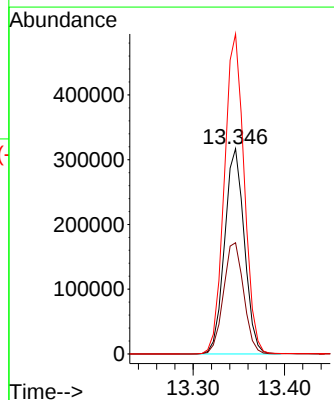
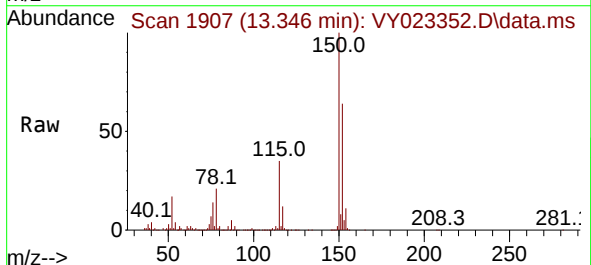
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

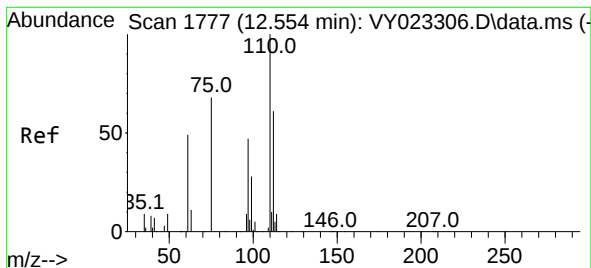
Tgt Ion:117 Resp: 1075930
Ion Ratio Lower Upper
117 100
82 51.5 43.4 65.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

Tgt Ion:152 Resp: 476559
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.6
150 156.7 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 44.621 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023352.D

Acq: 11 Sep 2025 16:36

Instrument :

MSVOA_Y

ClientSampleId :

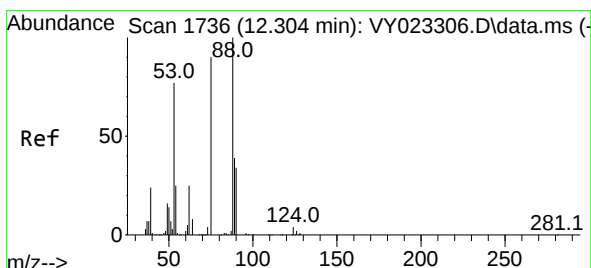
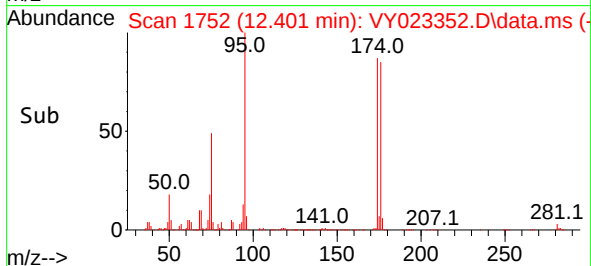
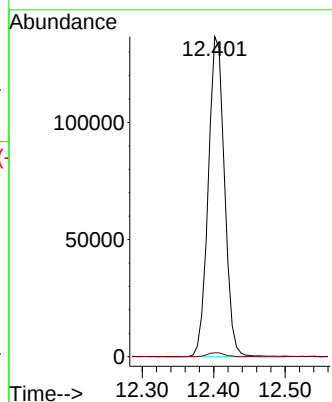
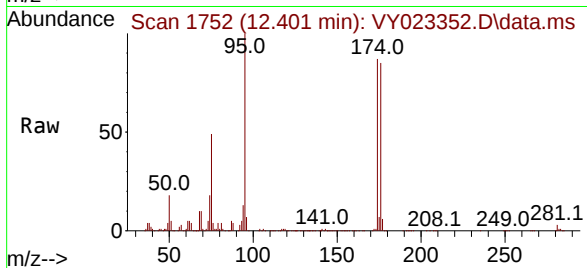
VIBLK

Tgt Ion: 75 Resp: 215343

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.685 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023352.D

Acq: 11 Sep 2025 16:36

Tgt Ion: 75 Resp: 215343

Ion Ratio Lower Upper

75 100

53 0.2 70.8 106.2#

89 0.0 38.1 57.1#

