

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023253.D
 Acq On : 02 Sep 2025 10:05
 Operator : SY/MD
 Sample : VY0902SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0902SBL01

Quant Time: Sep 03 03:26:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

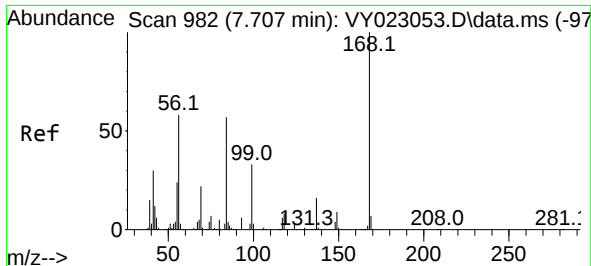
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	633947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1182526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1069383	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	430142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	332206	54.983	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.960%	
35) Dibromofluoromethane	7.640	113	383018	54.130	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.260%	
50) Toluene-d8	10.109	98	1409057	50.974	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.940%	
62) 4-Bromofluorobenzene	12.408	95	413665	46.533	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.060%	
Target Compounds						Qvalue
20) Methylene Chloride	4.628	84	5363	Below Cal	85	
31) Cyclohexane	7.707	56	11979	1.064	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	44383	4.221	ug/l #	49
38) Carbon Tetrachloride	7.713	117	61270	5.364	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	5195	1.128	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	209276	50.412	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	209276	122.031	ug/l #	14

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

Quant Time: Sep 03 03:26:55 2025
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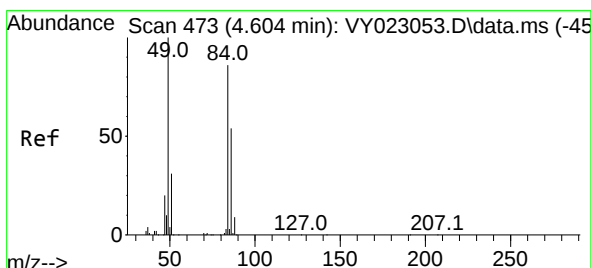
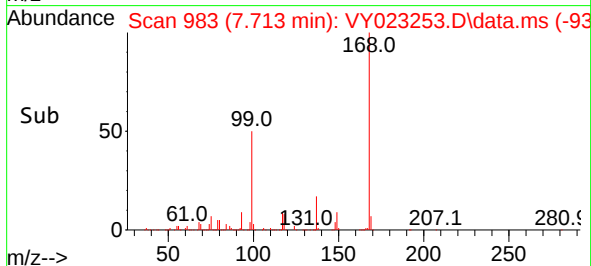
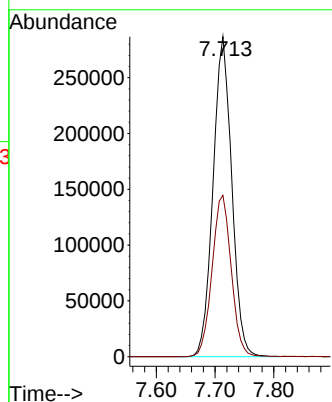
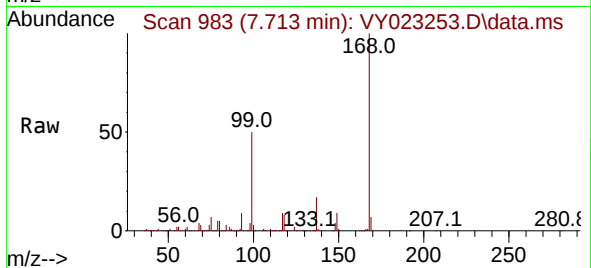




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

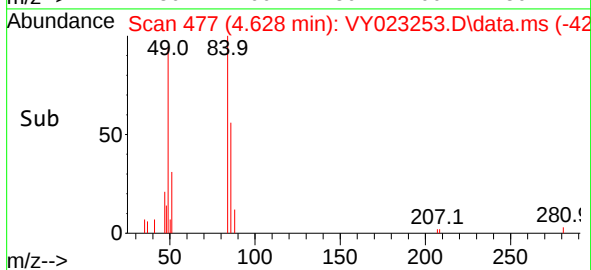
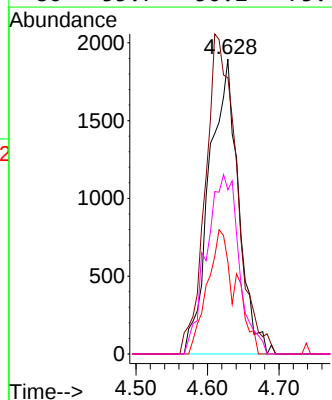
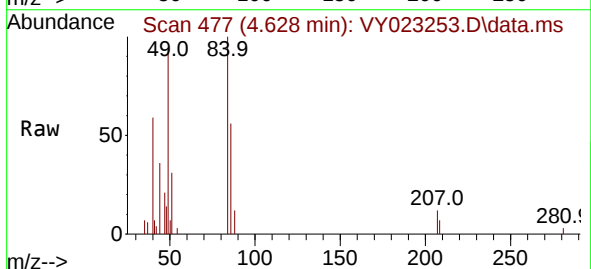
Instrument :
MSVOA_Y
ClientSampleId :
VY0902SBL01

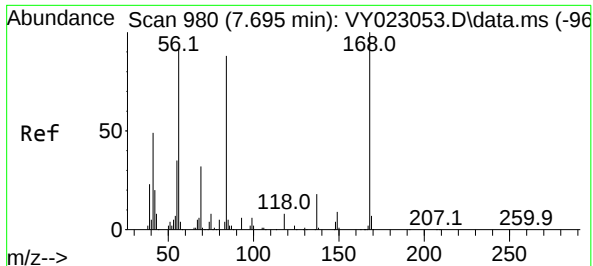
Tgt Ion:168 Resp: 633947
Ion Ratio Lower Upper
168 100
99 50.4 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.628 min Scan# 477
Delta R.T. 0.024 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

Tgt Ion: 84 Resp: 5363
Ion Ratio Lower Upper
84 100
49 93.8 93.0 139.6
51 31.2 29.0 43.4
86 55.7 50.2 75.4

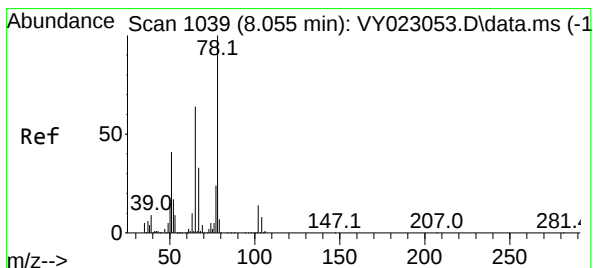
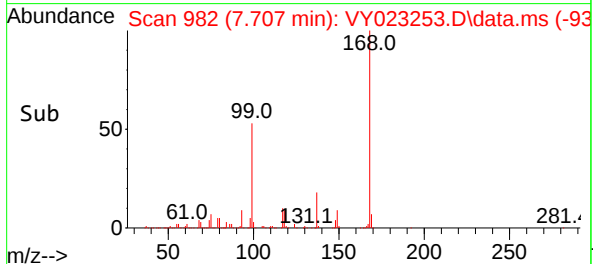
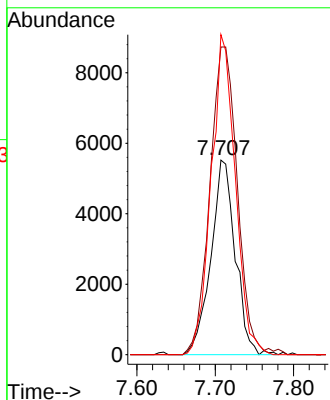
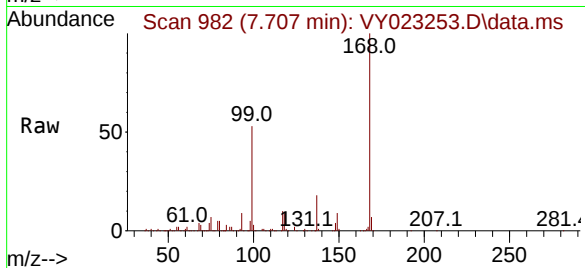




#31
Cyclohexane
Concen: 1.064 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

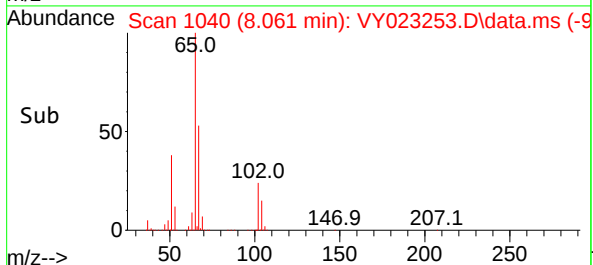
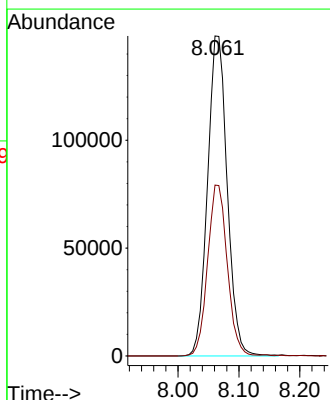
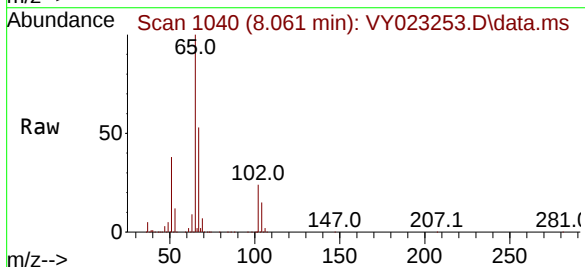
Instrument :
MSVOA_Y
ClientSampleId :
VY0902SBL01

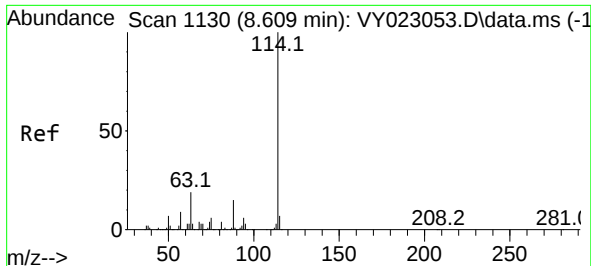
Tgt Ion: 56 Resp: 11979
Ion Ratio Lower Upper
56 100
69 158.2 28.2 42.2#
84 164.5 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 54.983 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

Tgt Ion: 65 Resp: 332206
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

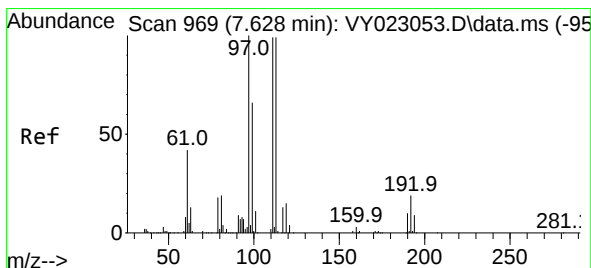
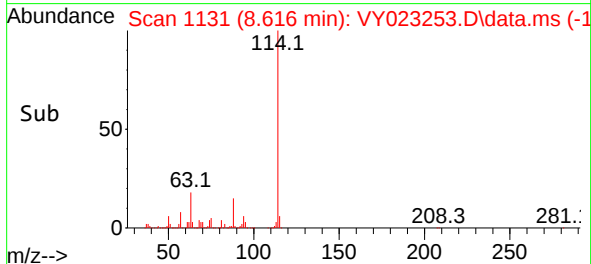
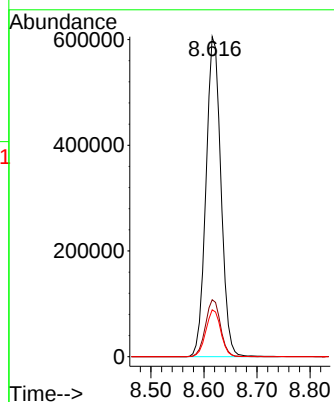
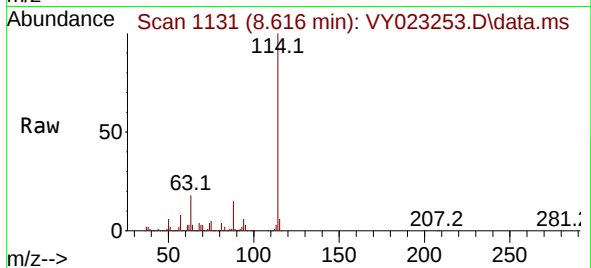




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

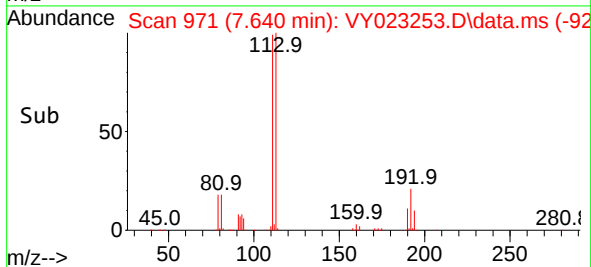
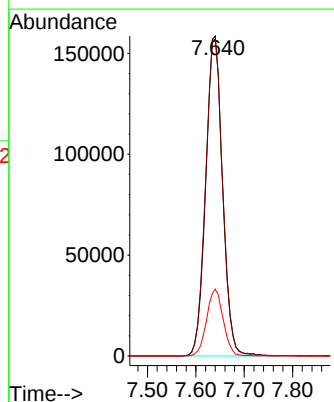
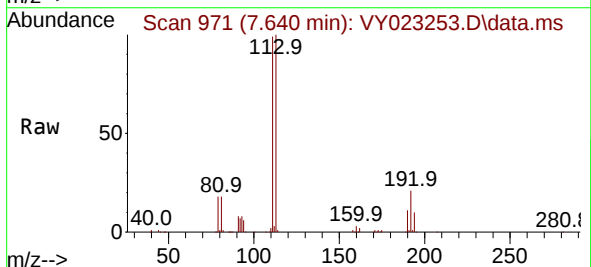
Instrument :
MSVOA_Y
ClientSampleId :
VY0902SBL01

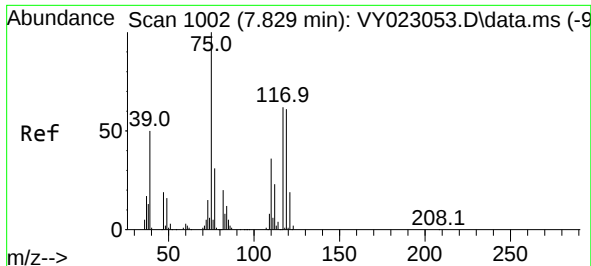
Tgt Ion:114 Resp: 1182526
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.130 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

Tgt Ion:113 Resp: 383018
Ion Ratio Lower Upper
113 100
111 100.9 81.1 121.7
192 20.6 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.221 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY023253.D

Acq: 02 Sep 2025 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0902SBL01

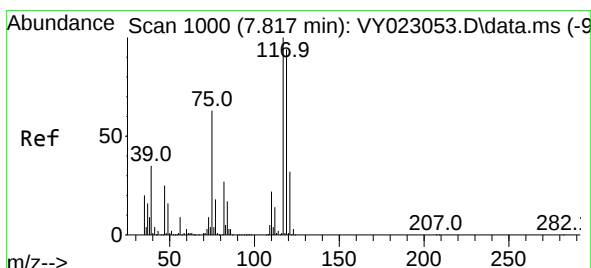
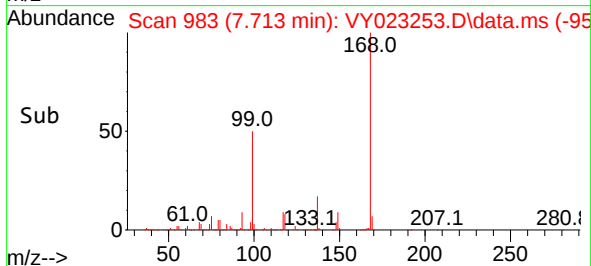
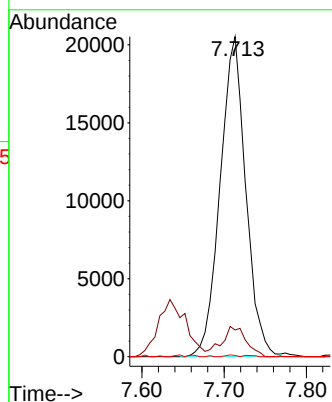
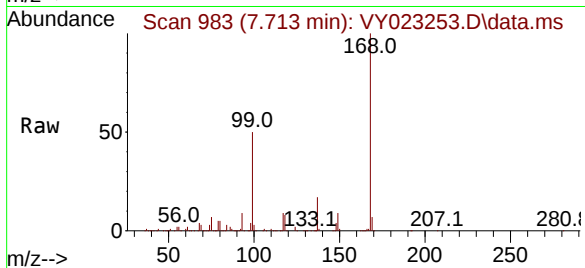
Tgt Ion: 75 Resp: 44383

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.364 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023253.D

Acq: 02 Sep 2025 10:05

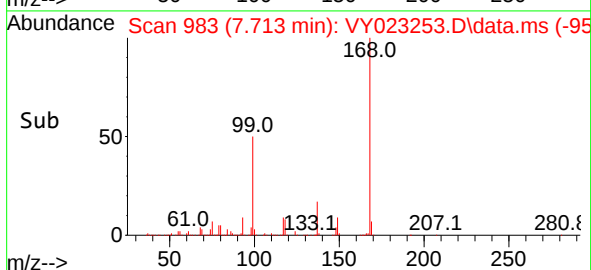
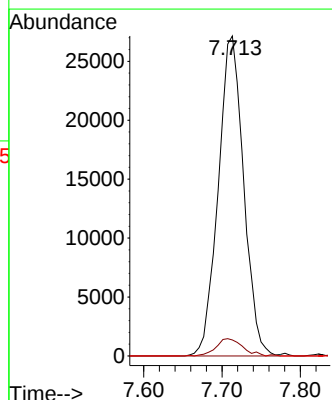
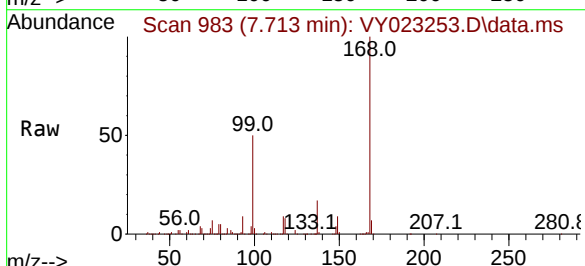
Tgt Ion: 117 Resp: 61270

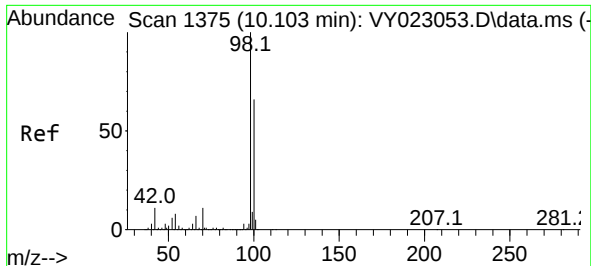
Ion Ratio Lower Upper

117 100

119 5.0 75.6 113.4#

121 0.0 25.8 38.8#

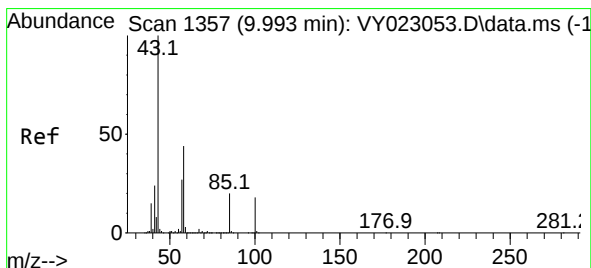
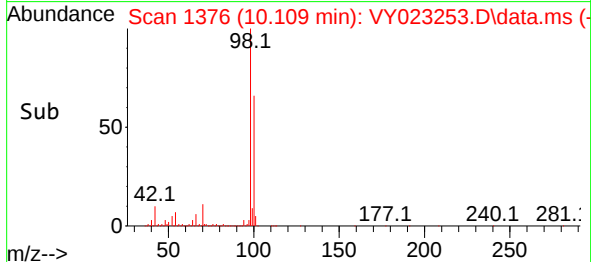
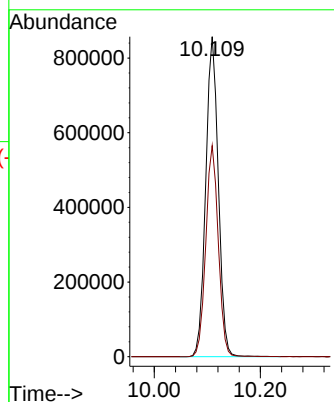
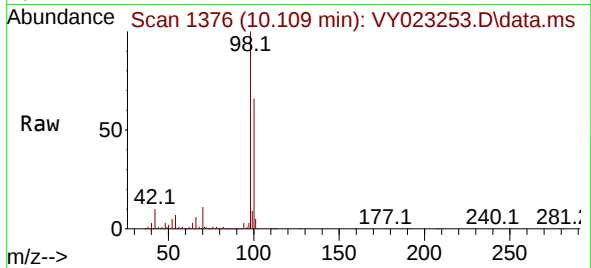




#50
Toluene-d8
Concen: 50.974 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

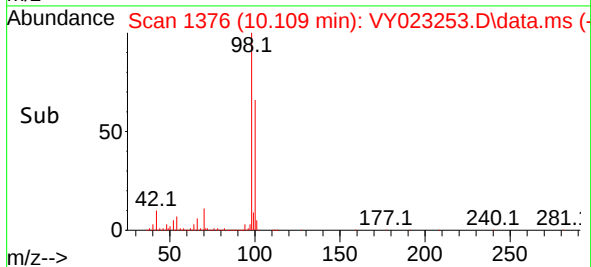
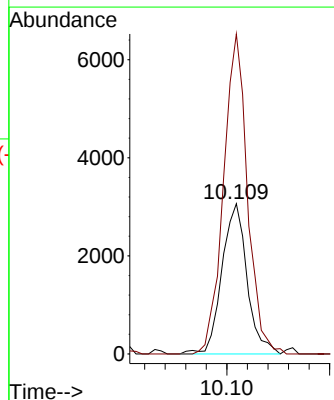
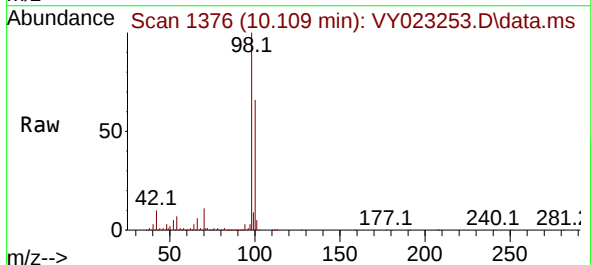
Instrument :
MSVOA_Y
ClientSampleId :
VY0902SBL01

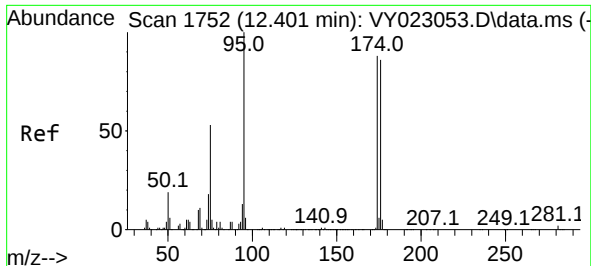
Tgt Ion: 98 Resp: 1409057
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.128 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

Tgt Ion: 43 Resp: 5195
Ion Ratio Lower Upper
43 100
58 203.3 33.5 50.3#

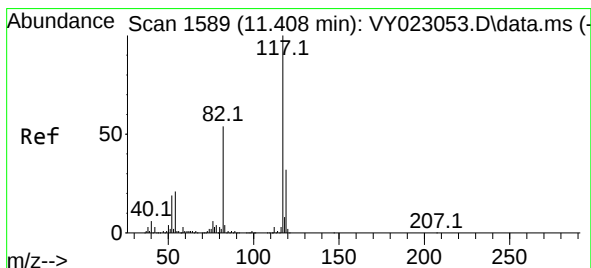
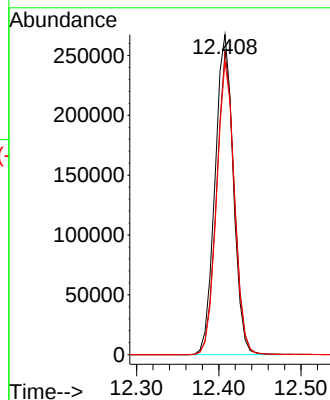
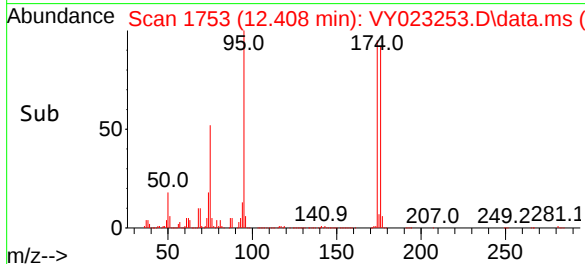
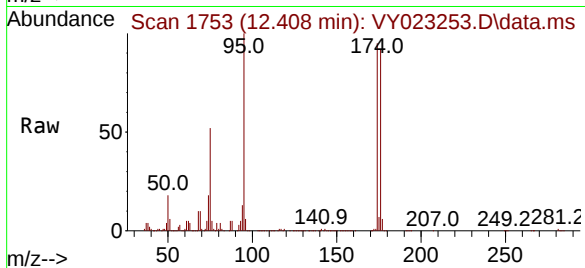




#62
4-Bromofluorobenzene
Concen: 46.533 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

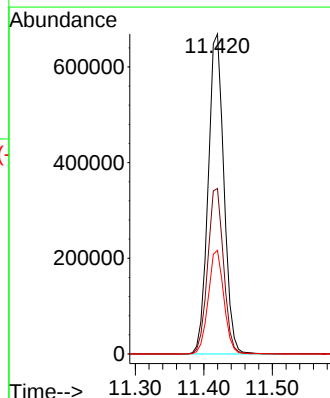
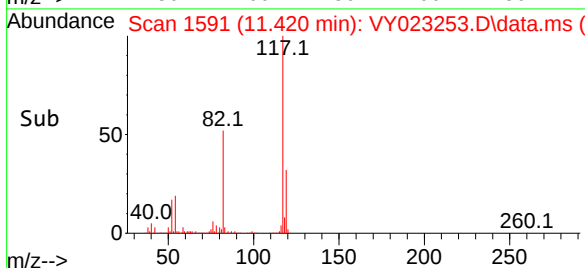
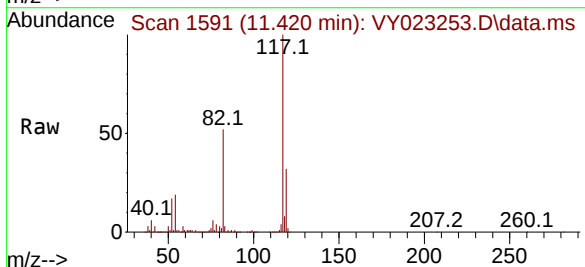
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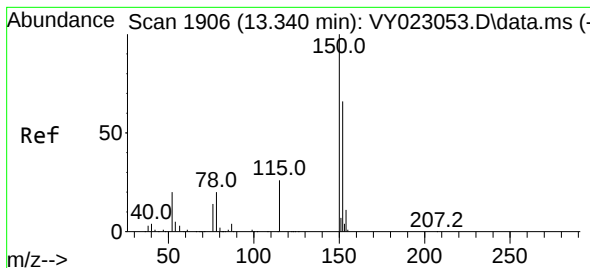
Tgt Ion: 95 Resp: 413665
Ion Ratio Lower Upper
95 100
174 91.8 0.0 171.6
176 89.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

Tgt Ion: 117 Resp: 1069383
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023253.D

Acq: 02 Sep 2025 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0902SBL01

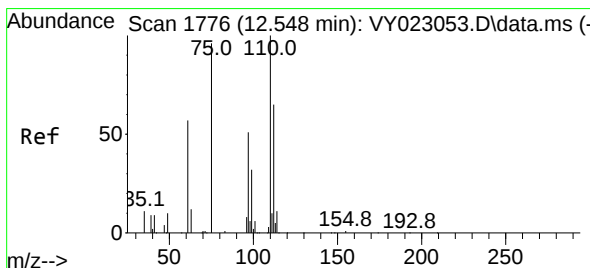
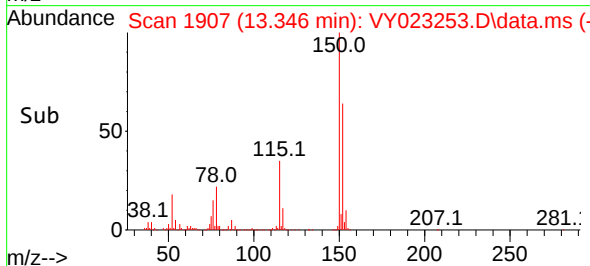
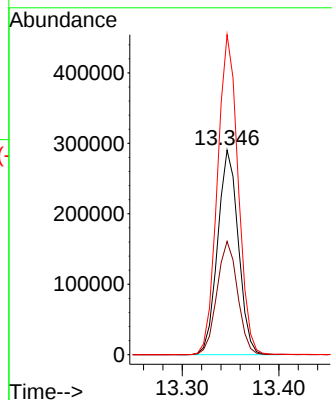
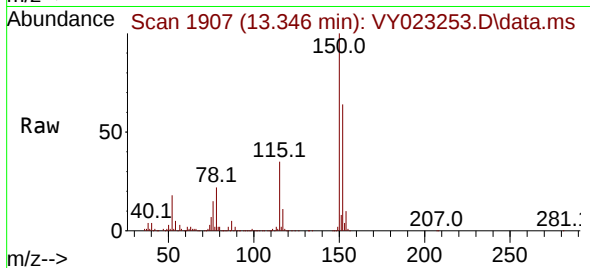
Tgt Ion:152 Resp: 430142

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

150 156.9 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.412 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023253.D

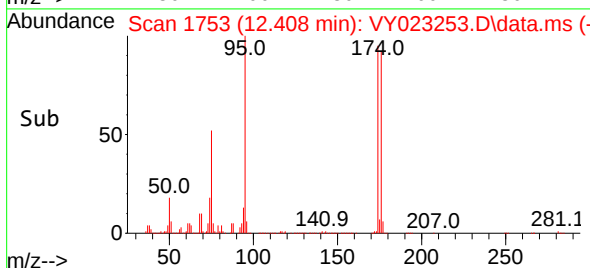
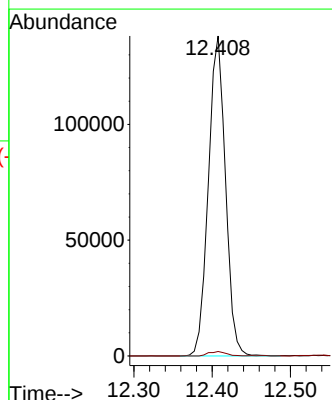
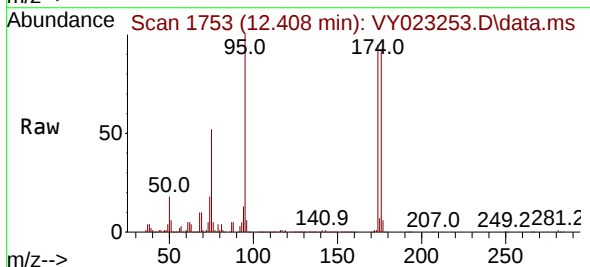
Acq: 02 Sep 2025 10:05

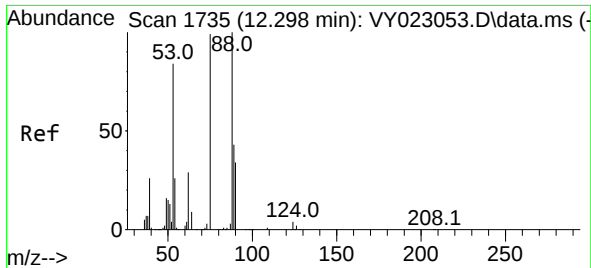
Tgt Ion: 75 Resp: 209276

Ion Ratio Lower Upper

75 100

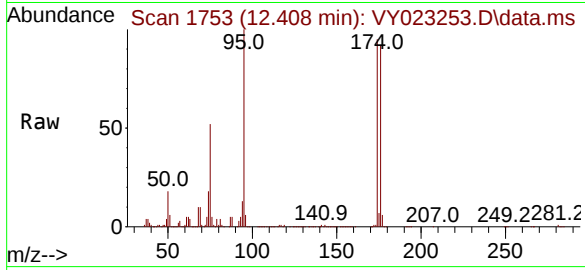
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.031 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VY0902SBL01



Tgt Ion: 75 Resp: 209276
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#

