

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023350.D
 Acq On : 11 Sep 2025 15:49
 Operator : SY/MD
 Sample : Q3082-07
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

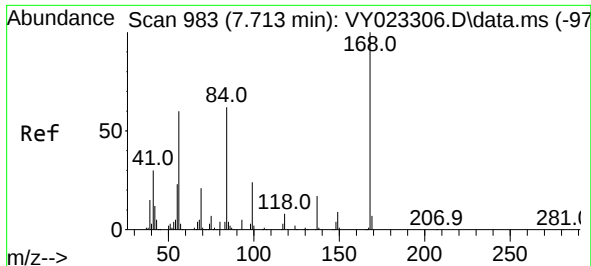
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-32

Quant Time: Sep 12 01:29:33 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	614357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1136687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1078784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	466944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	313498	58.072	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.140%	
35) Dibromofluoromethane	7.634	113	365993	52.675	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.340%	
50) Toluene-d8	10.103	98	1355825	51.677	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.402	95	435984	52.804	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.600%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	22142	3.366	ug/l #	83
31) Cyclohexane	7.707	56	10490	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41637	4.207	ug/l #	50
38) Carbon Tetrachloride	7.713	117	56496	4.961	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	4761	1.215	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	215245	45.519	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	215245	124.135	ug/l #	14

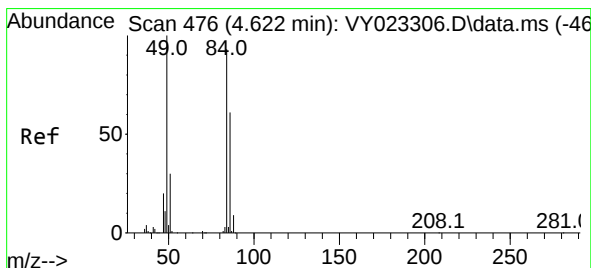
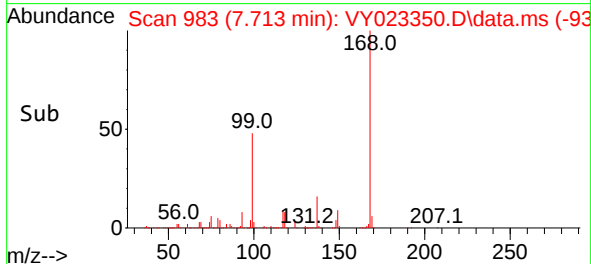
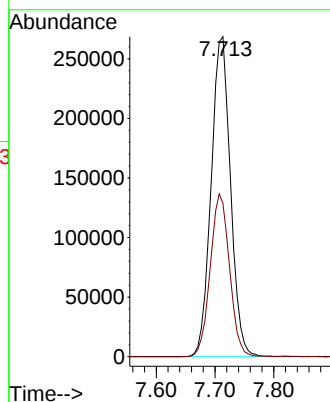
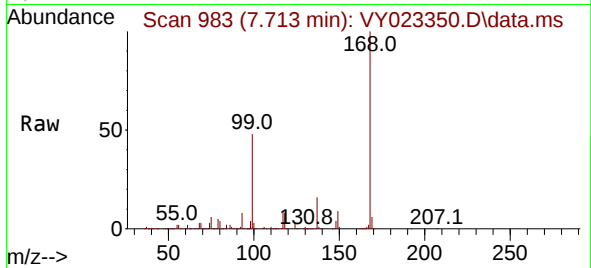
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

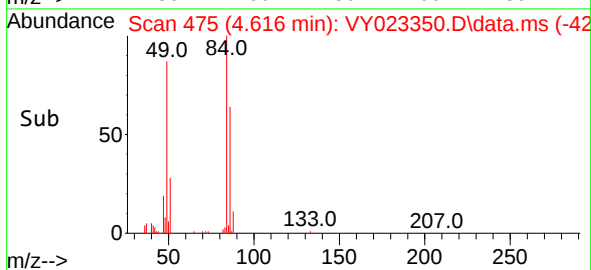
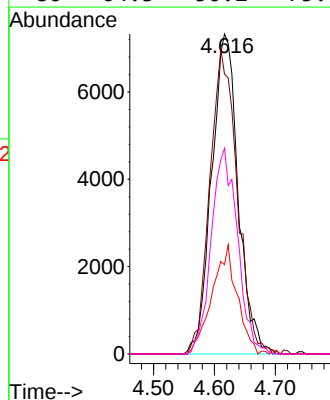
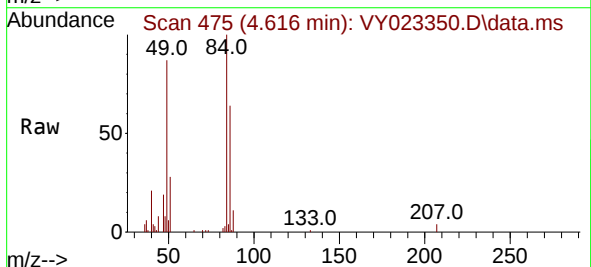
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MSVOA_Y
ClientSampleId :
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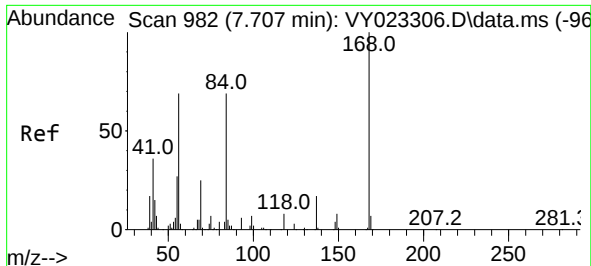
Tgt Ion:168 Resp: 614357
Ion Ratio Lower Upper
168 100
99 48.0 42.8 64.2



#20
Methylene Chloride
Concen: 3.366 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

Tgt Ion: 84 Resp: 22142
Ion Ratio Lower Upper
84 100
49 87.5 93.0 139.6#
51 27.9 29.0 43.4#
86 64.3 50.2 75.4

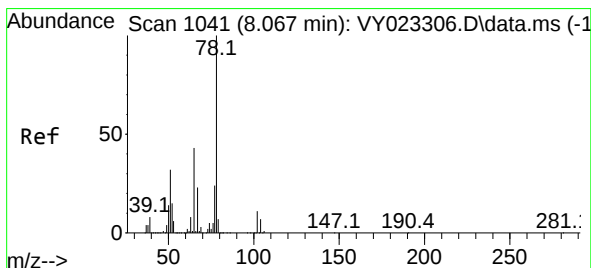
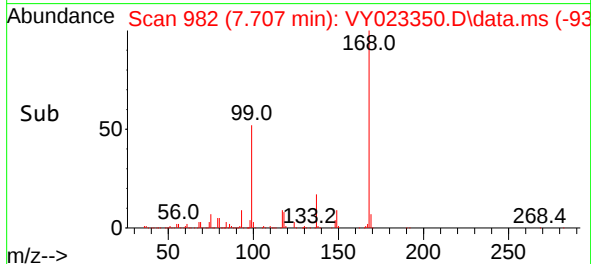
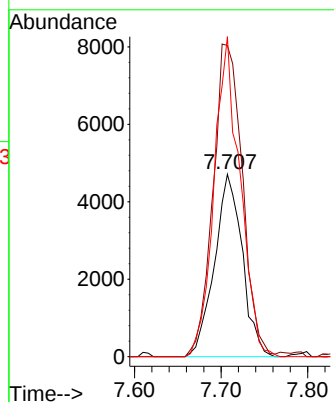
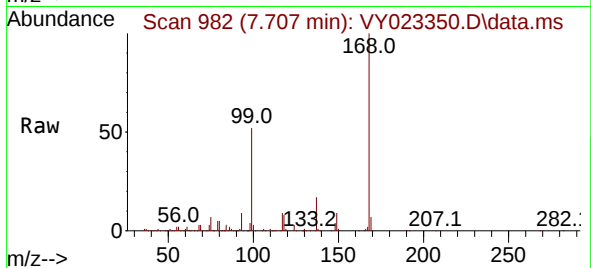




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

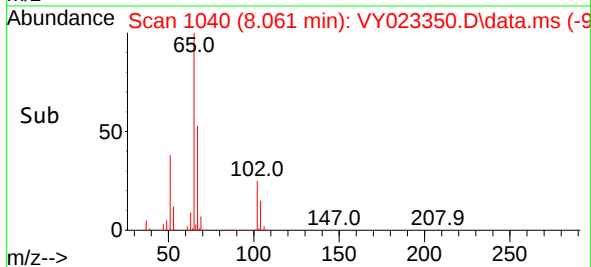
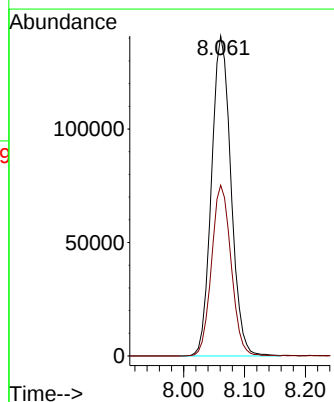
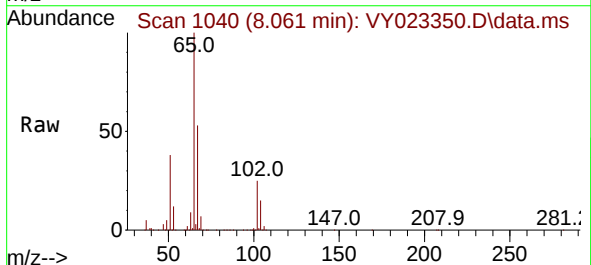
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MSVOA_Y
ClientSampleId :
WC-32

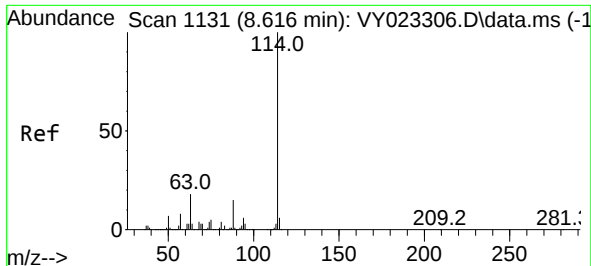
Tgt Ion: 56 Resp: 10490
Ion Ratio Lower Upper
56 100
69 170.6 28.2 42.2#
84 175.4 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 58.072 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

Tgt Ion: 65 Resp: 313498
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

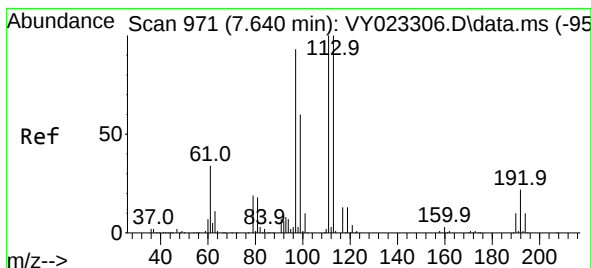
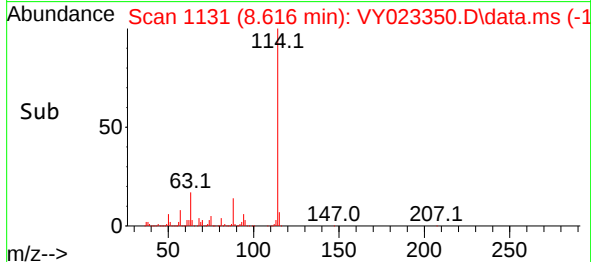
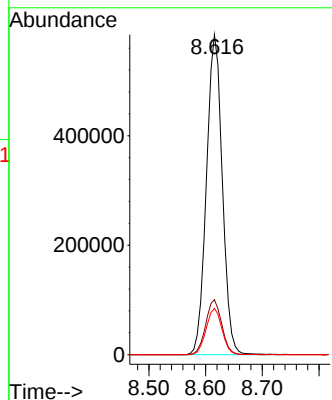
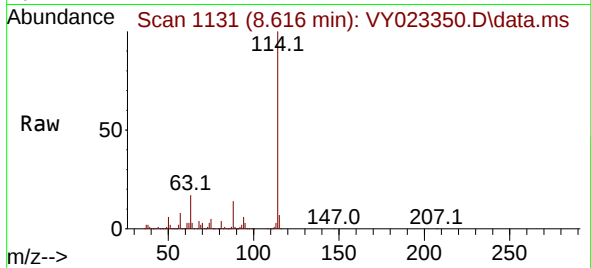




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

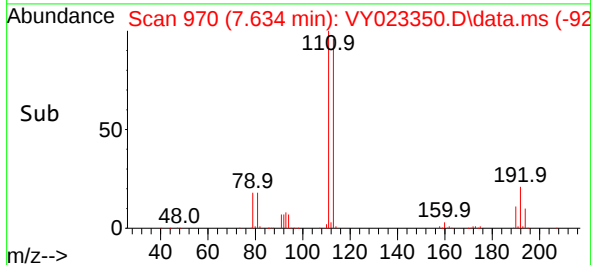
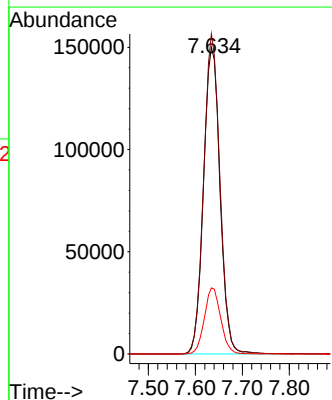
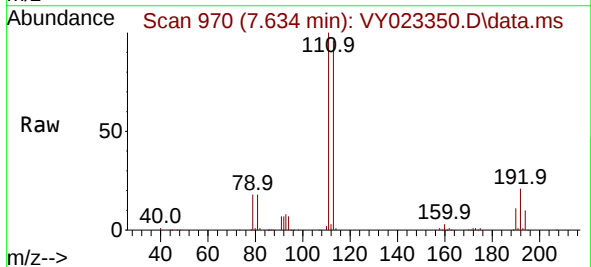
Instrument :
MSVOA_Y
ClientSampleId :
WC-32

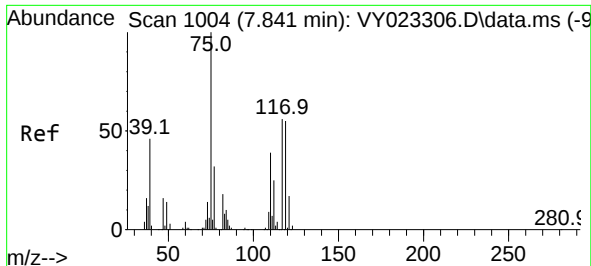
Tgt Ion:114 Resp: 1136687
Ion Ratio Lower Upper
114 100
63 17.2 0.0 38.4
88 14.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.675 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

Tgt Ion:113 Resp: 365993
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 21.3 16.2 24.4

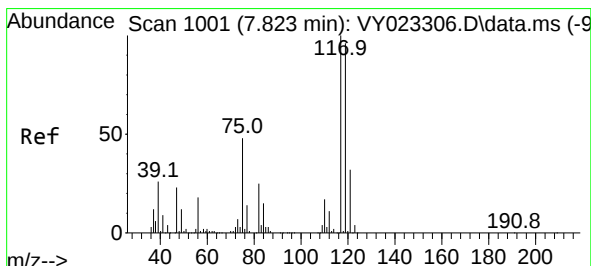
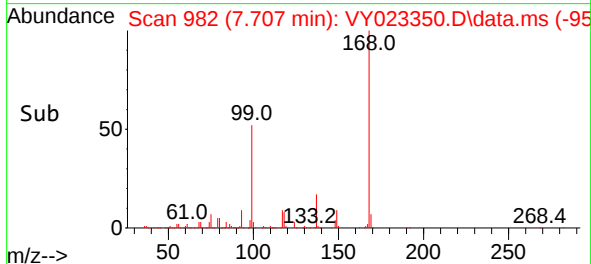
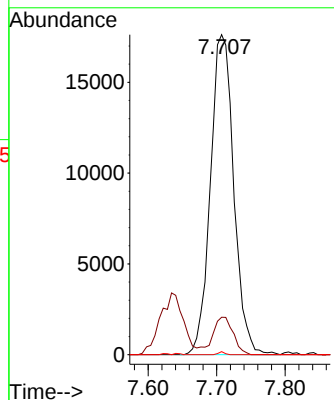
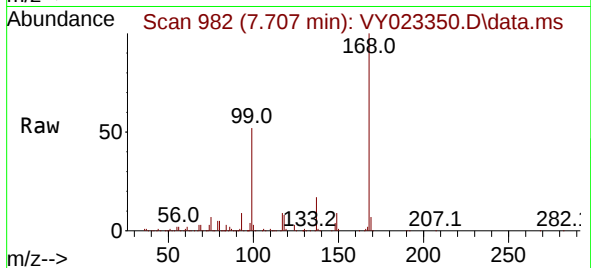




#36
 1,1-Dichloropropene
 Concen: 4.207 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY023350.D
 Acq: 11 Sep 2025 15:49

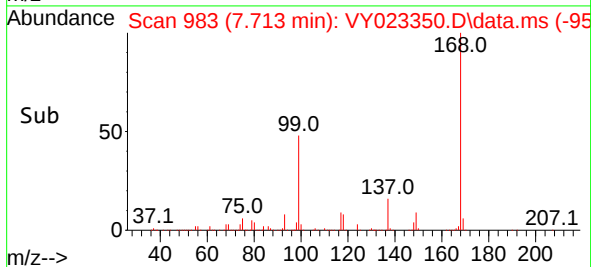
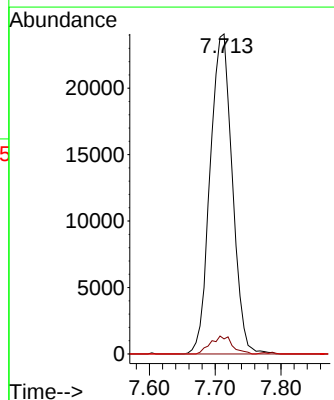
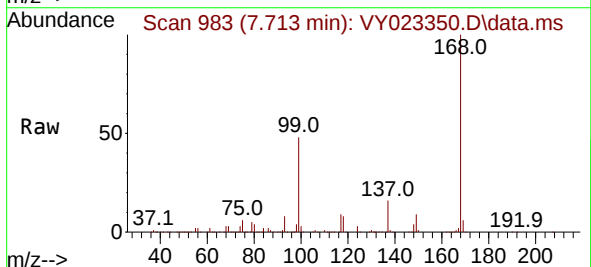
Instrument :
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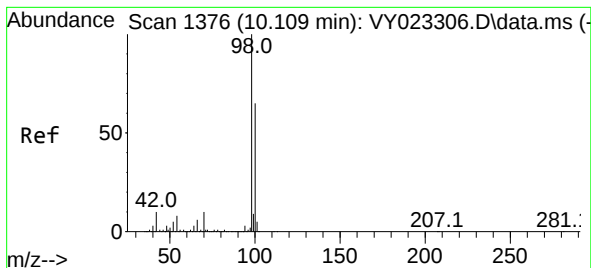
Tgt Ion: 75 Resp: 41637
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.4#
 77 0.2 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 4.961 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.104 min
 Lab File: VY023350.D
 Acq: 11 Sep 2025 15:49

Tgt Ion: 117 Resp: 56496
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.6 113.4#
 121 0.0 25.8 38.8#

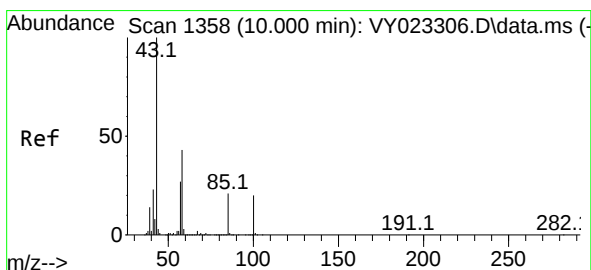
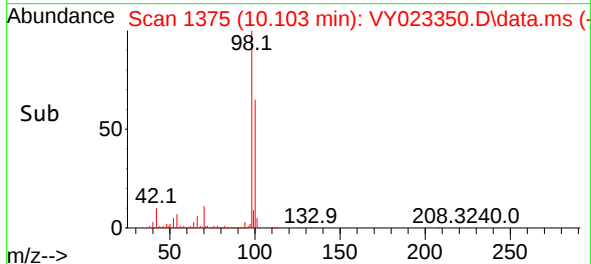
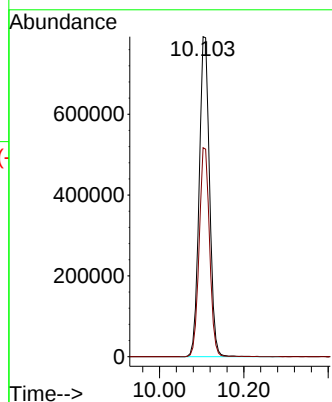
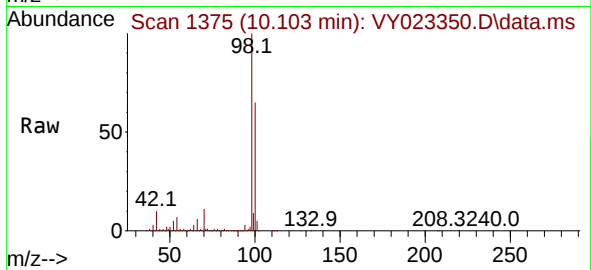




#50
Toluene-d8
Concen: 51.677 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

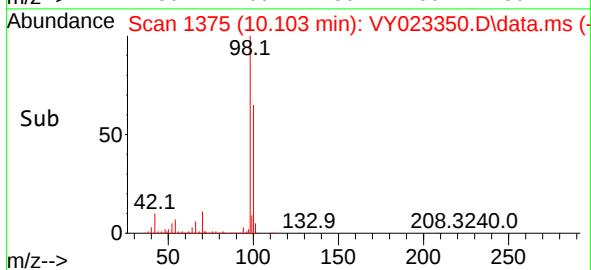
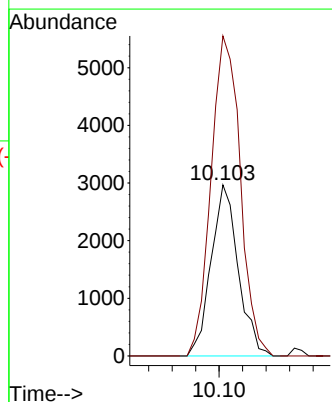
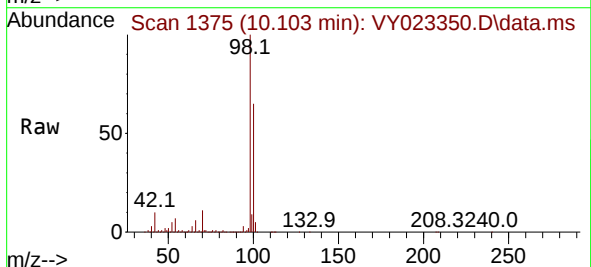
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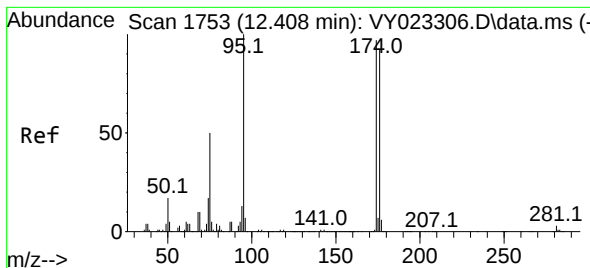
Tgt Ion: 98 Resp: 1355825
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.215 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

Tgt Ion: 43 Resp: 4761
Ion Ratio Lower Upper
43 100
58 201.6 33.5 50.3#

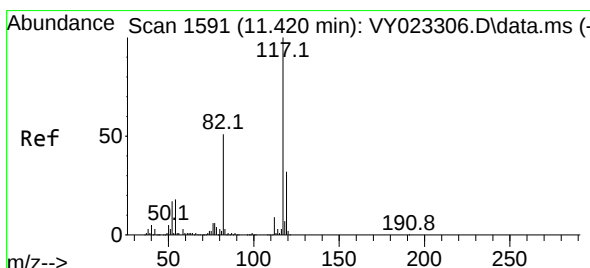
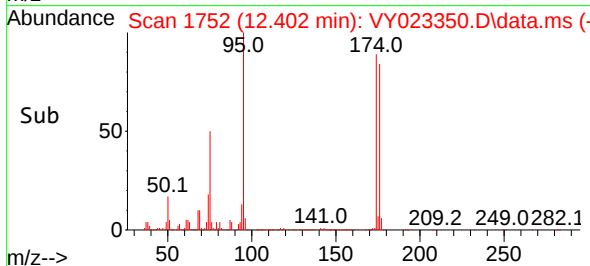
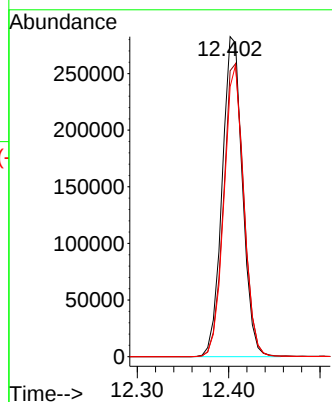
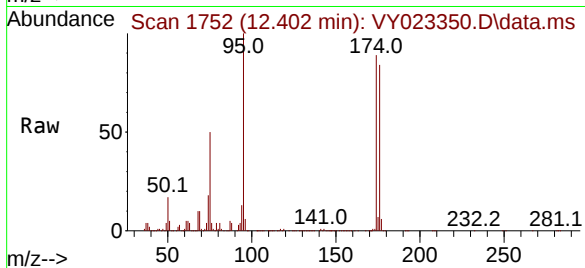




#62
4-Bromofluorobenzene
Concen: 52.804 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

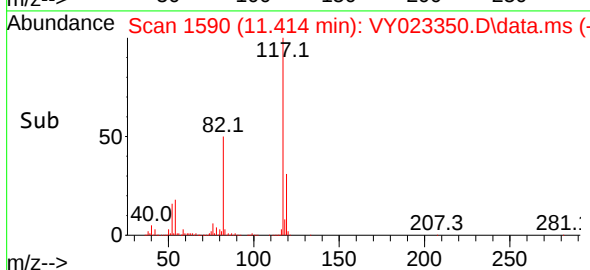
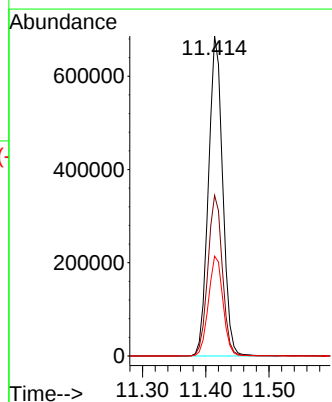
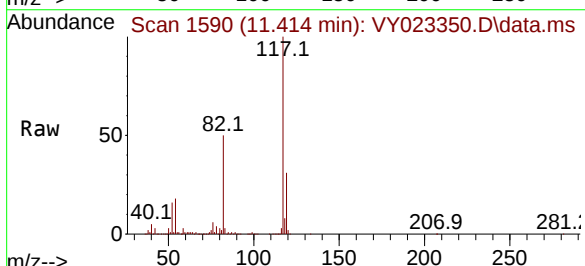
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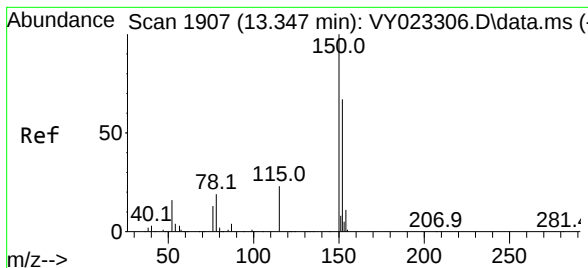
Tgt Ion: 95 Resp: 435984
Ion Ratio Lower Upper
95 100
174 91.9 0.0 171.6
176 89.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023350.D
Acq: 11 Sep 2025 15:49

Tgt Ion: 117 Resp: 1078784
Ion Ratio Lower Upper
117 100
82 50.2 43.4 65.0
119 31.2 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: VY023350.D

Acq: 11 Sep 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

WC-32

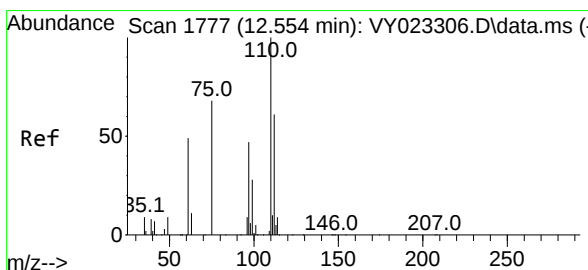
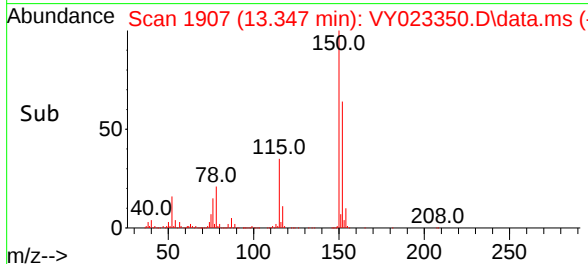
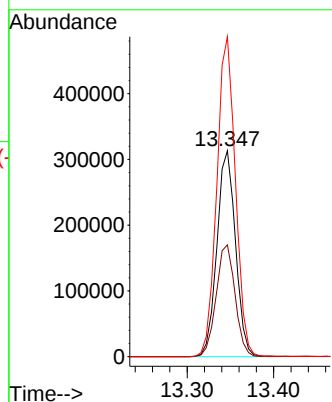
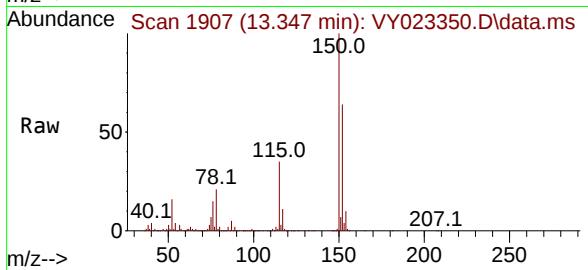
Tgt Ion:152 Resp: 466944

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.6

150 155.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 45.519 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023350.D

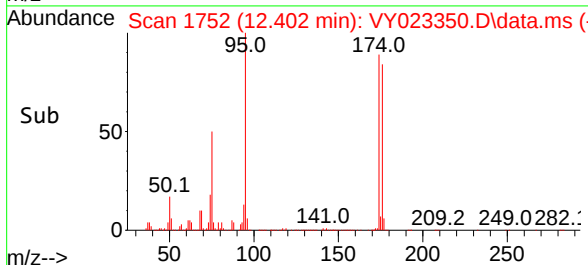
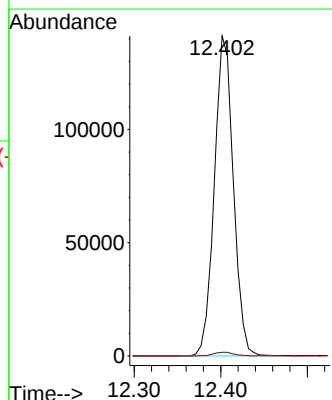
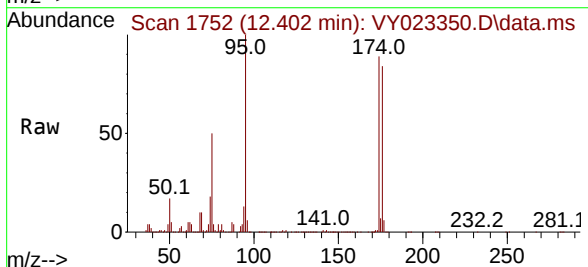
Acq: 11 Sep 2025 15:49

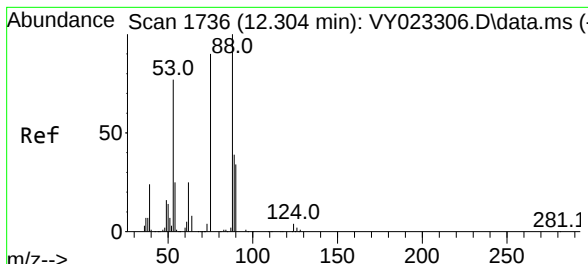
Tgt Ion: 75 Resp: 215245

Ion Ratio Lower Upper

75 100

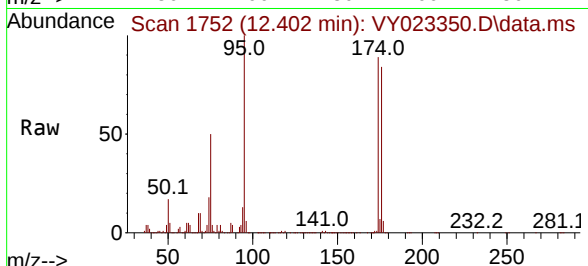
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.135 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023350.D
 Acq: 11 Sep 2025 15:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-32



Tgt Ion: 75 Resp: 215245
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

