

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023349.D
 Acq On : 11 Sep 2025 15:25
 Operator : SY/MD
 Sample : Q3082-05
 Misc : 3.64g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-31

Quant Time: Sep 12 01:29:06 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)

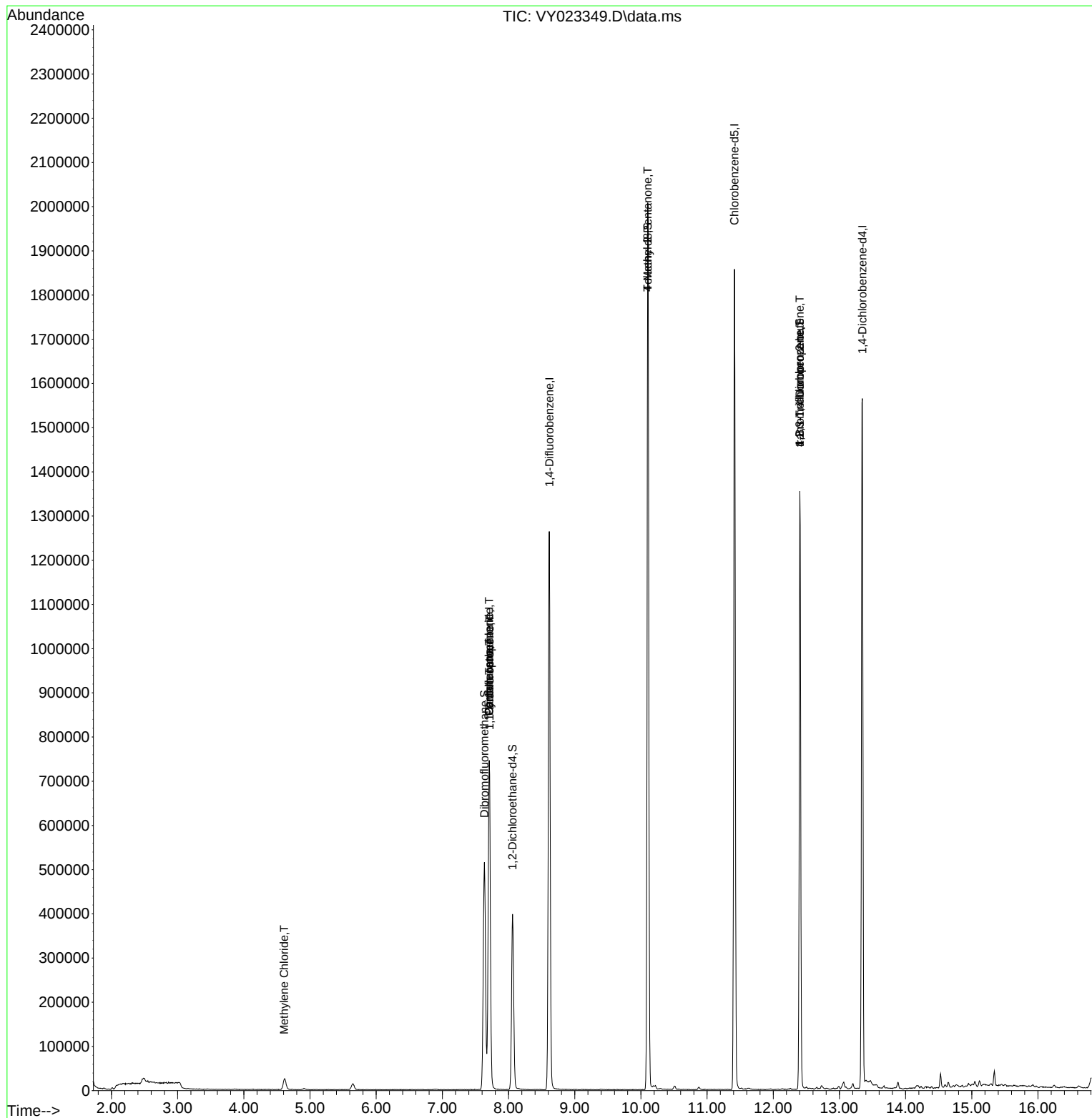
Internal Standards						
1) Pentafluorobenzene	7.707	168	614703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1146174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1047579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	426506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	307472	56.924	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.840%	
35) Dibromofluoromethane	7.634	113	370885	52.937	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.880%	
50) Toluene-d8	10.103	98	1361381	51.459	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.920%	
62) 4-Bromofluorobenzene	12.402	95	412744	49.576	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.160%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	19613	2.980	ug/l	87
31) Cyclohexane	7.707	56	10568	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	41616	4.170	ug/l #	49
38) Carbon Tetrachloride	7.707	117	57685	5.024	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4773	1.208	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	201528	46.659	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	201528	127.243	ug/l #	14

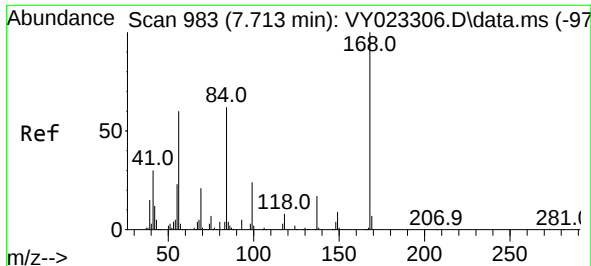
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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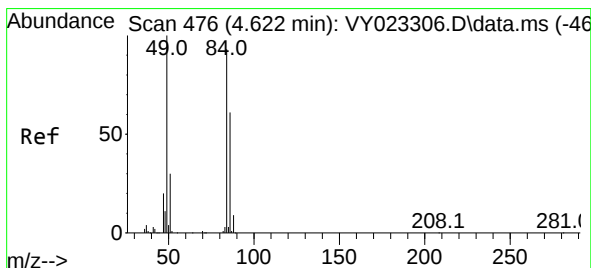
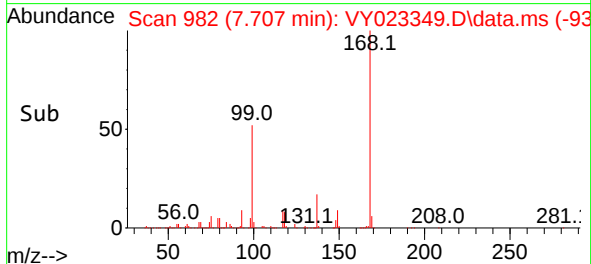
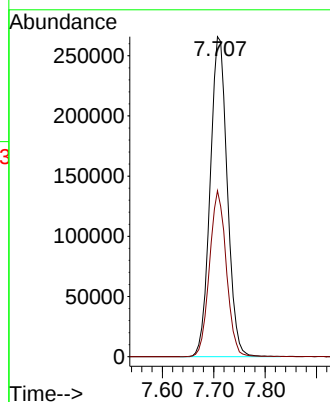
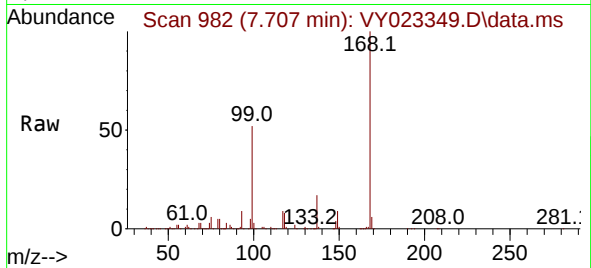




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

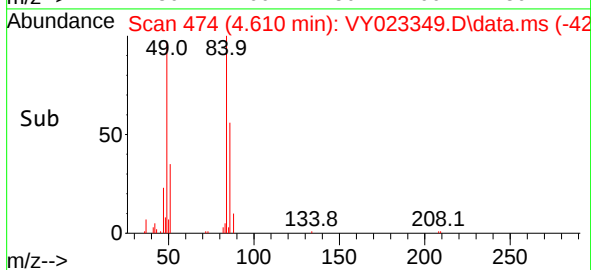
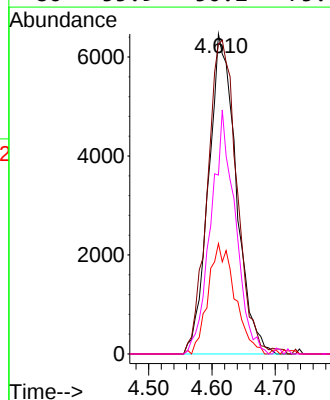
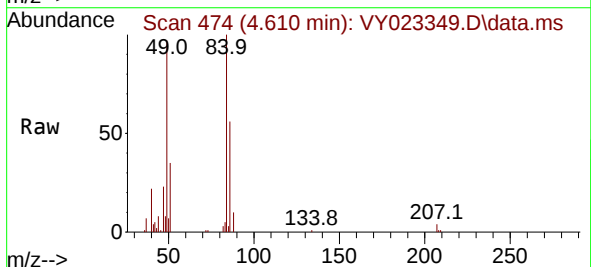
Instrument :
MSVOA_Y
ClientSampleId :
WC-31

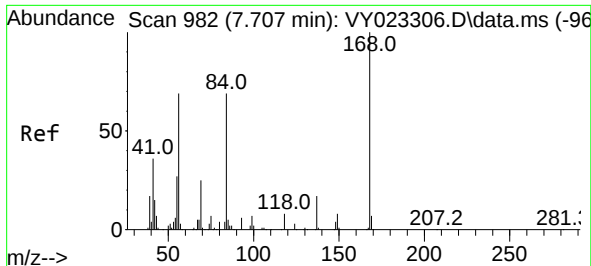
Tgt Ion:168 Resp: 614703
Ion Ratio Lower Upper
168 100
99 51.9 42.8 64.2



#20
Methylene Chloride
Concen: 2.980 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

Tgt Ion: 84 Resp: 19613
Ion Ratio Lower Upper
84 100
49 96.8 93.0 139.6
51 34.5 29.0 43.4
86 55.9 50.2 75.4

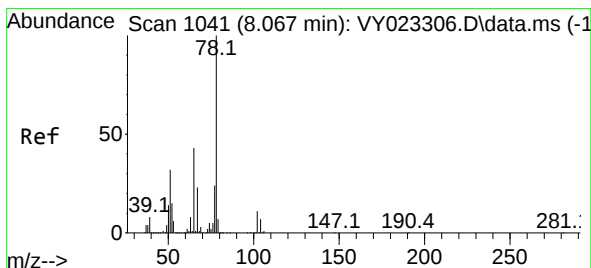
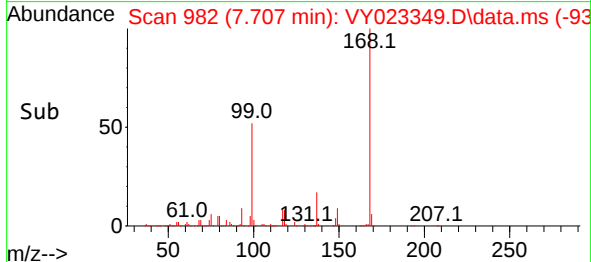
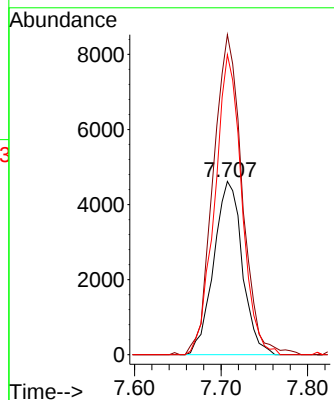
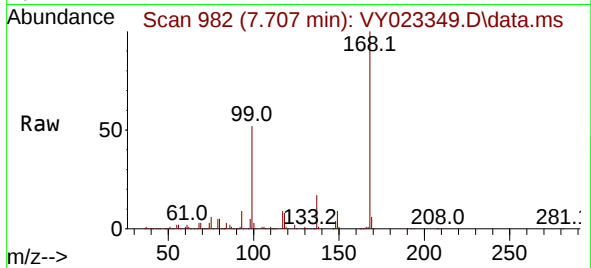




#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

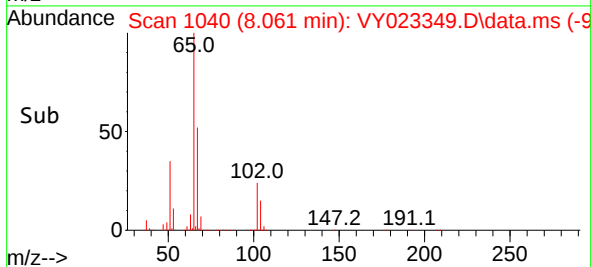
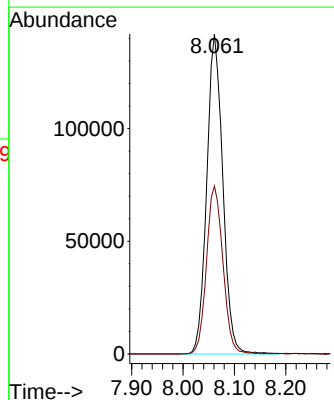
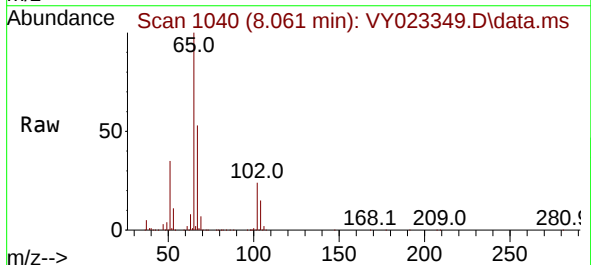
Instrument :
MSVOA_Y
ClientSampleId :
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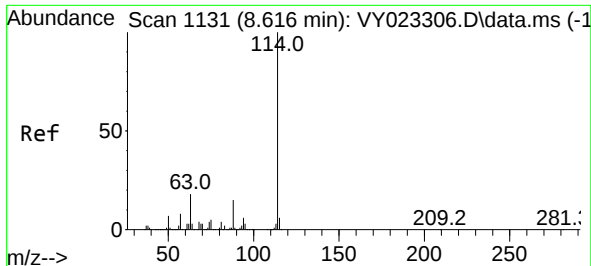
Tgt Ion: 56 Resp: 10568
Ion Ratio Lower Upper
56 100
69 184.7 28.2 42.2#
84 173.2 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 56.924 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

Tgt Ion: 65 Resp: 307472
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8

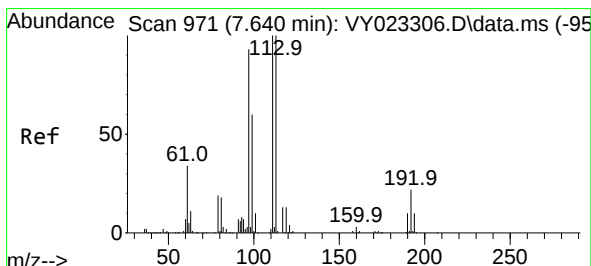
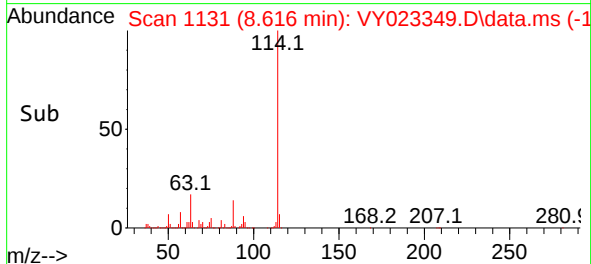
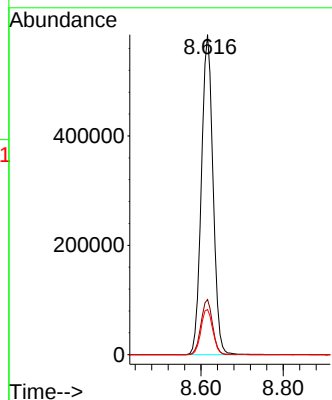
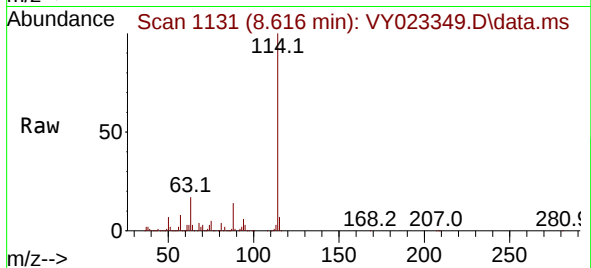




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

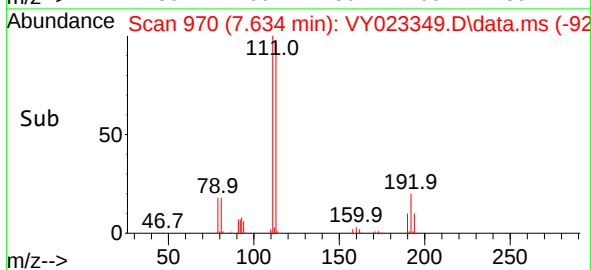
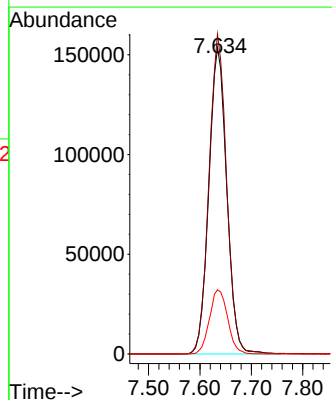
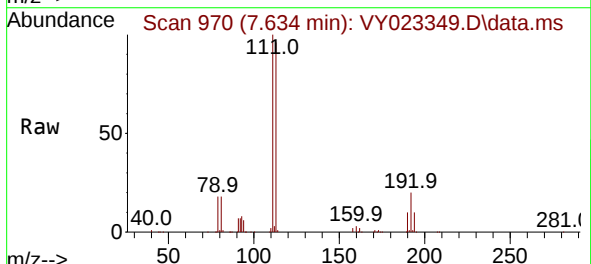
Instrument :
MSVOA_Y
ClientSampleId :
WC-31

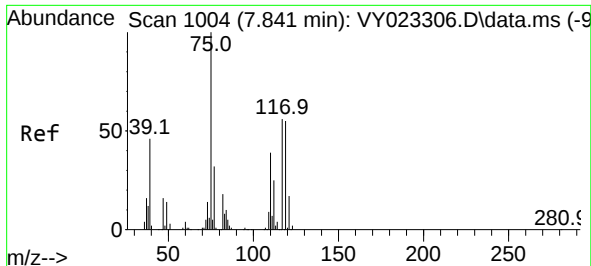
Tgt Ion:114 Resp: 1146174
Ion Ratio Lower Upper
114 100
63 17.3 0.0 38.4
88 14.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.937 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

Tgt Ion:113 Resp: 370885
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 21.3 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.170 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY023349.D

Acq: 11 Sep 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

WC-31

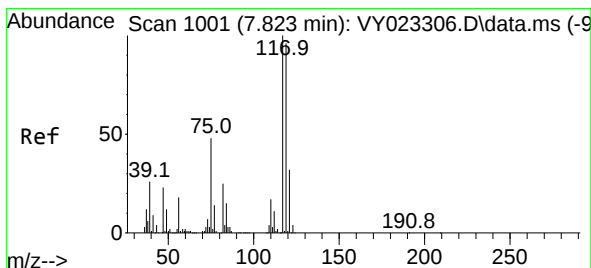
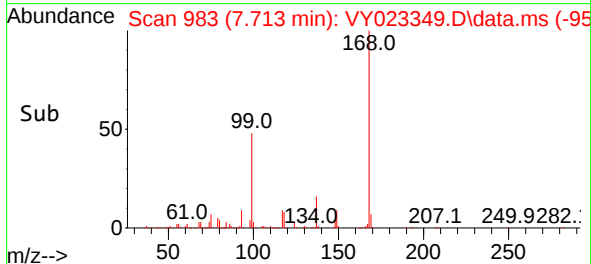
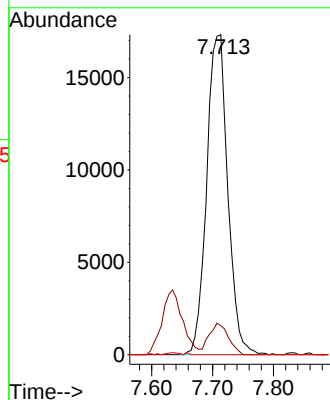
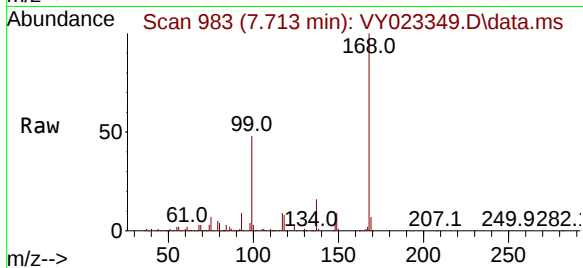
Tgt Ion: 75 Resp: 41616

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.024 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023349.D

Acq: 11 Sep 2025 15:25

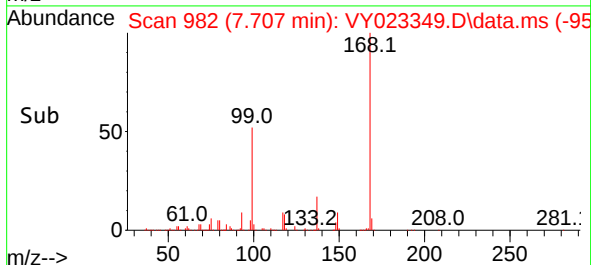
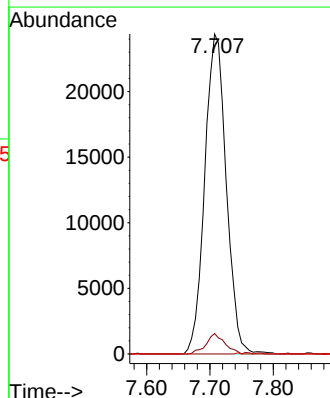
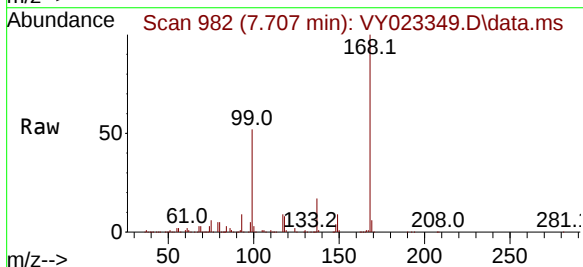
Tgt Ion: 117 Resp: 57685

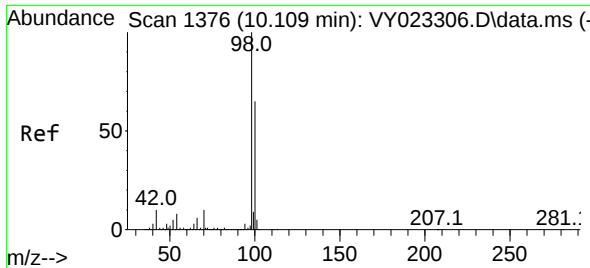
Ion Ratio Lower Upper

117 100

119 6.4 75.6 113.4#

121 0.0 25.8 38.8#

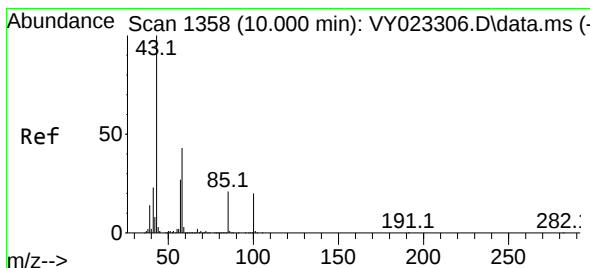
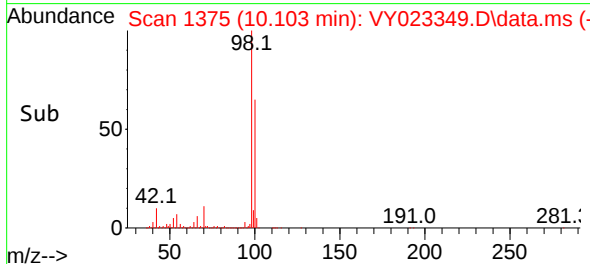
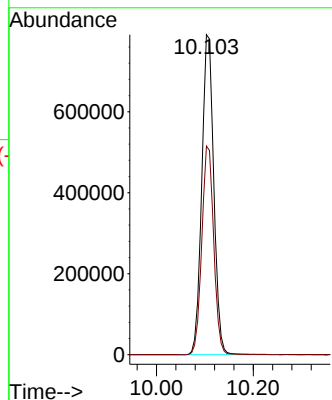
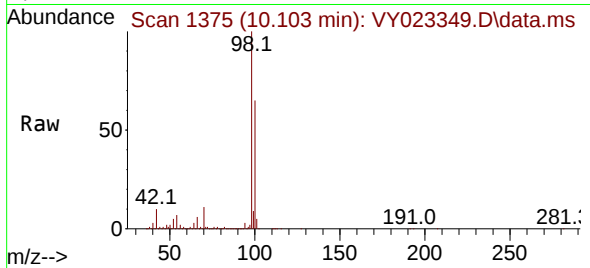




#50
Toluene-d8
Concen: 51.459 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

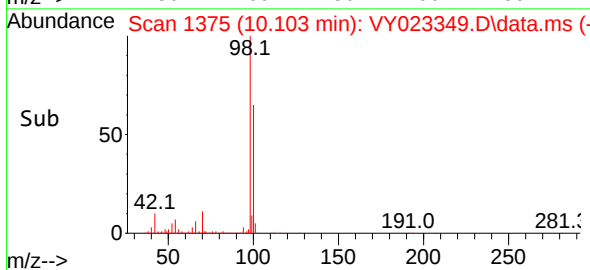
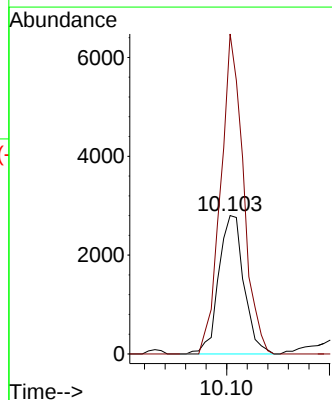
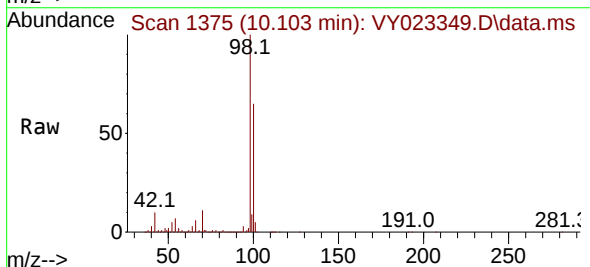
Instrument :
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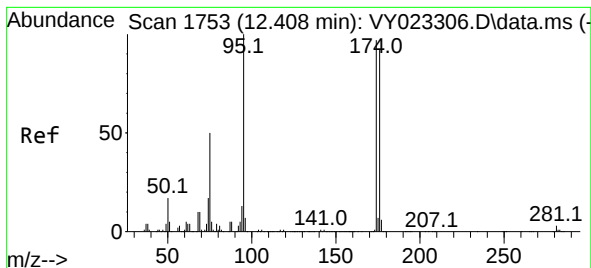
Tgt Ion: 98 Resp: 1361381
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.208 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

Tgt Ion: 43 Resp: 4773
Ion Ratio Lower Upper
43 100
58 207.7 33.5 50.3#

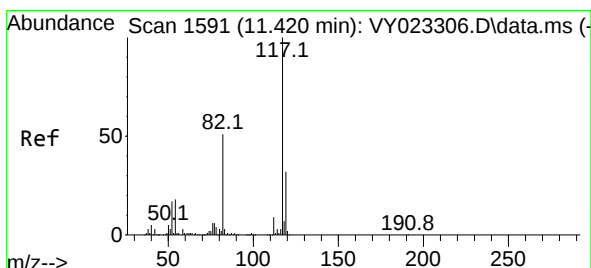
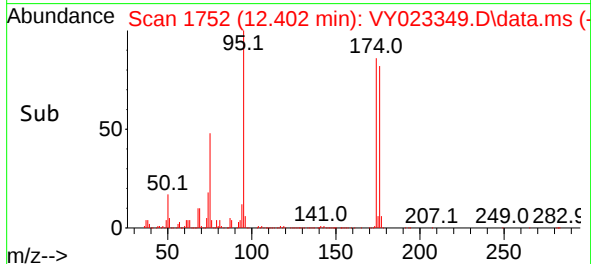
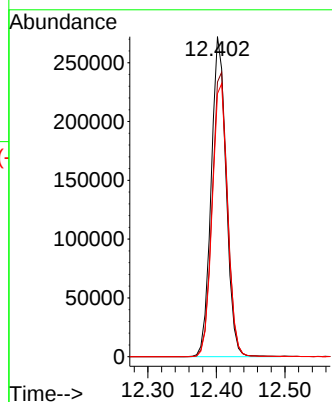
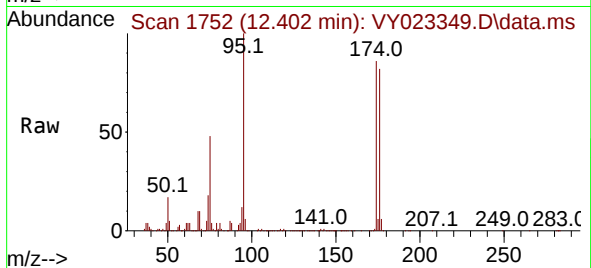




#62
4-Bromofluorobenzene
Concen: 49.576 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

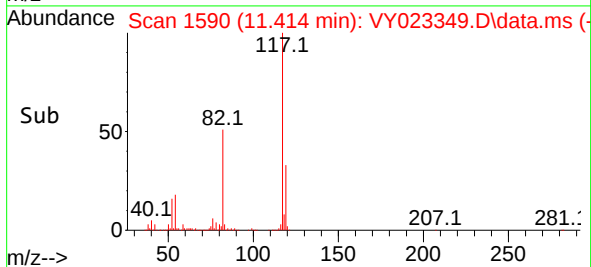
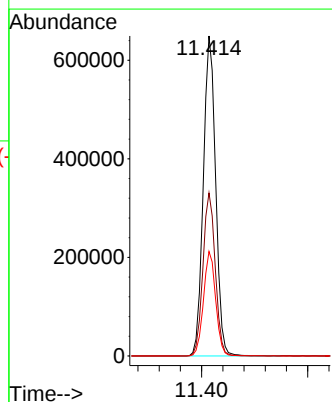
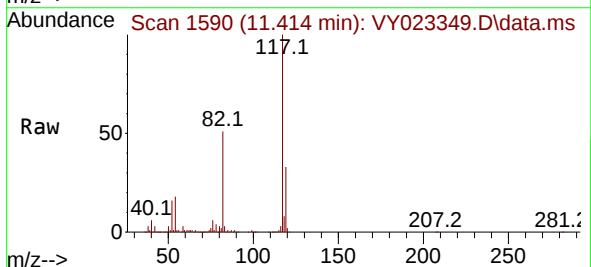
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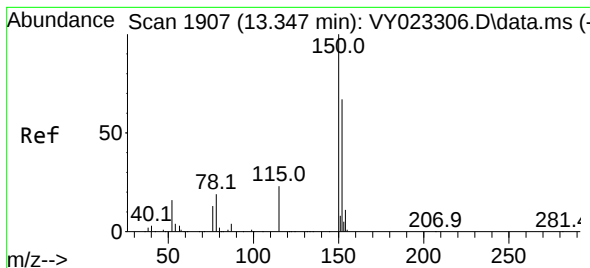
Tgt Ion: 95 Resp: 412744
Ion Ratio Lower Upper
95 100
174 91.5 0.0 171.6
176 88.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023349.D
Acq: 11 Sep 2025 15:25

Tgt Ion: 117 Resp: 1047579
Ion Ratio Lower Upper
117 100
82 50.9 43.4 65.0
119 32.7 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: VY023349.D

Acq: 11 Sep 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

WC-31

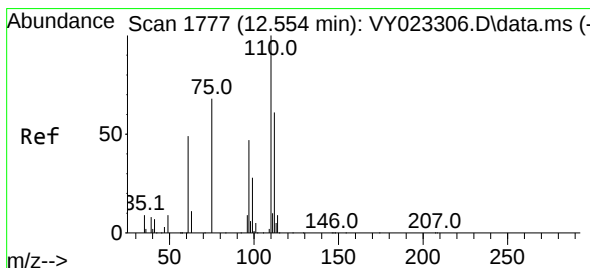
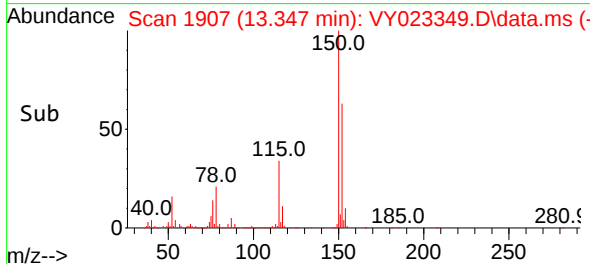
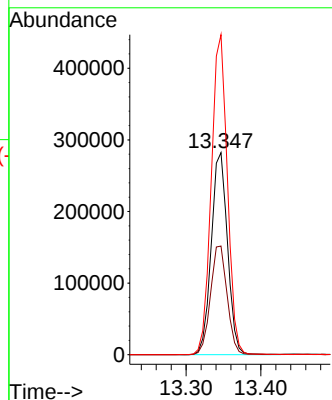
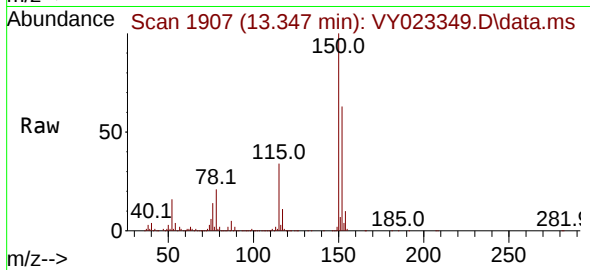
Tgt Ion:152 Resp: 426506

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.6

150 156.6 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 46.659 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023349.D

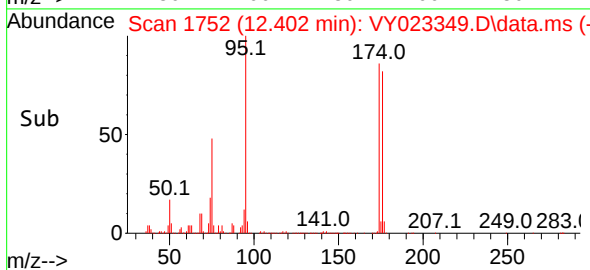
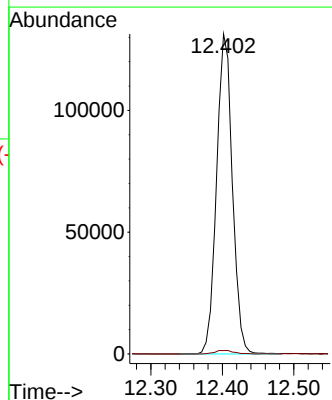
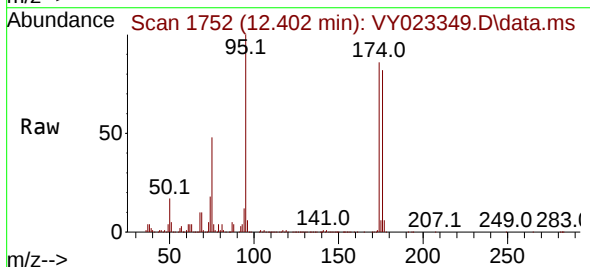
Acq: 11 Sep 2025 15:25

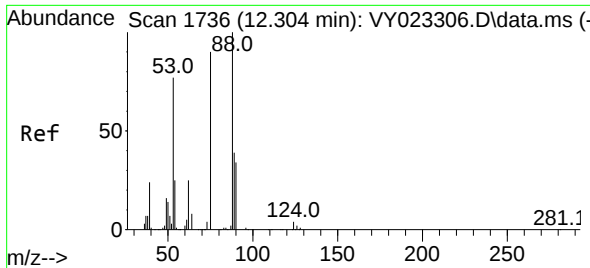
Tgt Ion: 75 Resp: 201528

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.243 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023349.D
 Acq: 11 Sep 2025 15:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-31

Tgt Ion: 75 Resp: 201528
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

