

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023263.D
 Acq On : 02 Sep 2025 14:23
 Operator : SY/MD
 Sample : Q2998-01
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 03 03:31:14 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)

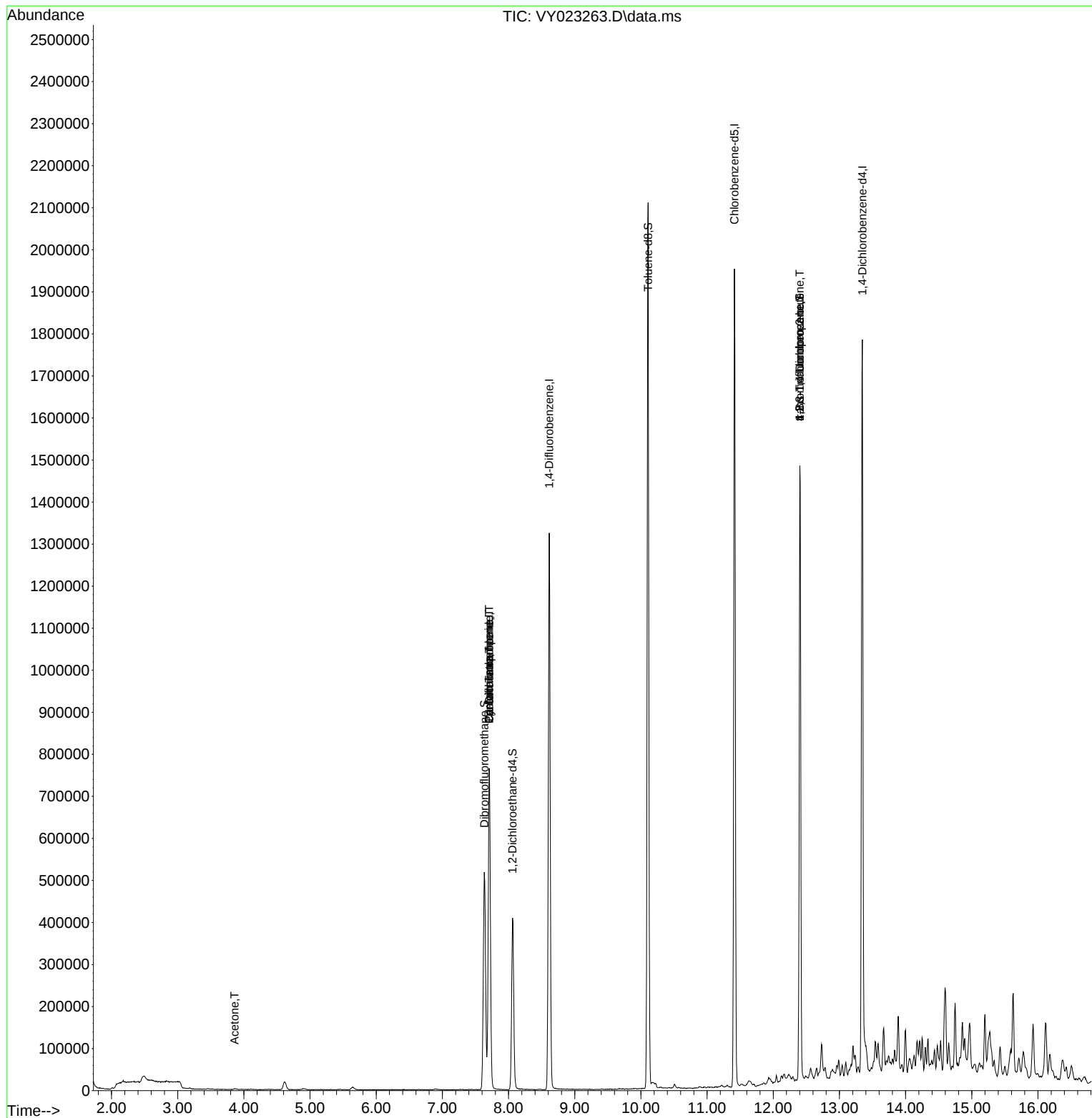
Internal Standards						
1) Pentafluorobenzene	7.707	168	622863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1174418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1073513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	465350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	317425	53.472	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.940%	
35) Dibromofluoromethane	7.634	113	371295	52.836	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.680%	
50) Toluene-d8	10.109	98	1403739	51.133	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.260%	
62) 4-Bromofluorobenzene	12.401	95	451237	51.110	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.220%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	2893	2.249	ug/l #	88
20) Methylene Chloride	4.610	84	14823	Below Cal		86
31) Cyclohexane	7.707	56	11490	1.039	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	44049	4.218	ug/l #	50
38) Carbon Tetrachloride	7.707	117	58981	5.200	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	225441	50.197	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	225441	121.511	ug/l #	14

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

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MSVOA_Y
ClientSampleId :

Quant Time: Sep 03 03:31:14 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

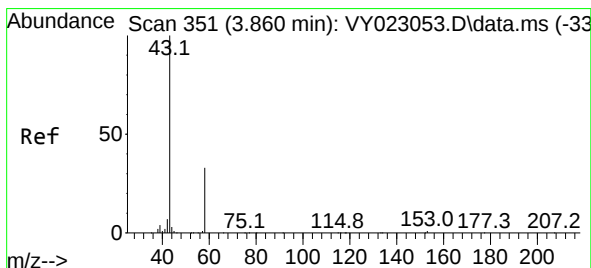
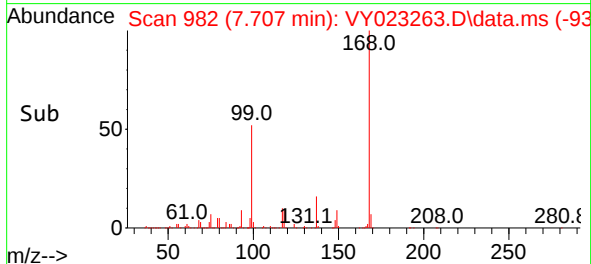
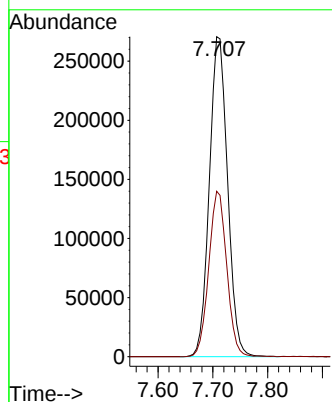
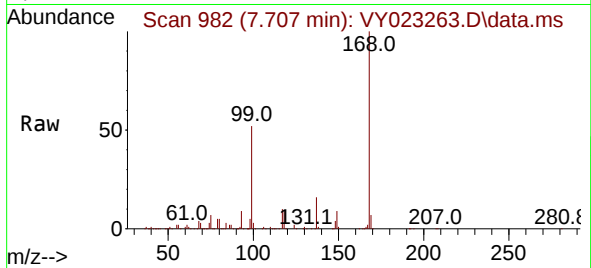




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

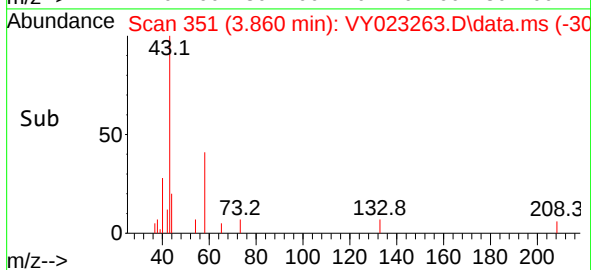
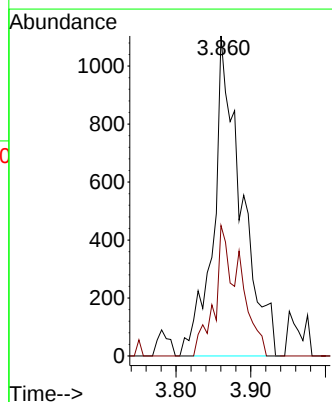
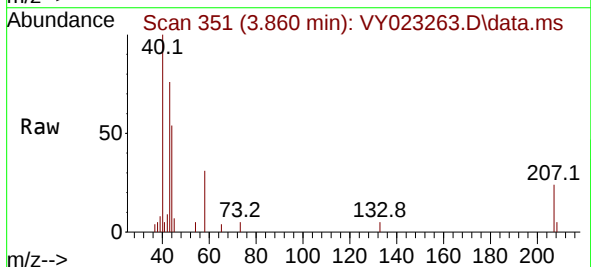
Instrument :
MSVOA_Y
ClientSampleId :

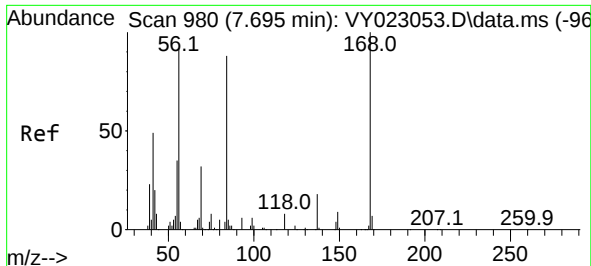
Tgt Ion:168 Resp: 622863
Ion Ratio Lower Upper
168 100
99 51.7 42.8 64.2



#16
Acetone
Concen: 2.249 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

Tgt Ion: 43 Resp: 2893
Ion Ratio Lower Upper
43 100
58 40.8 27.1 40.7#

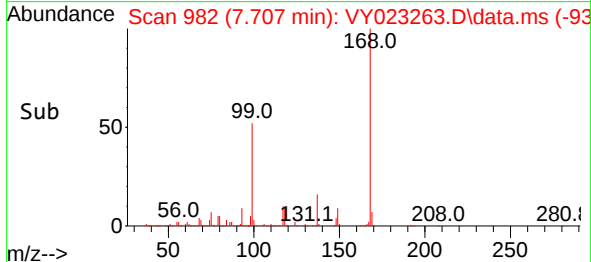
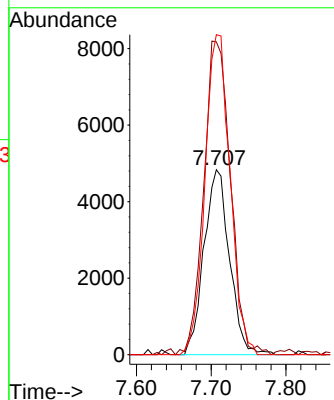
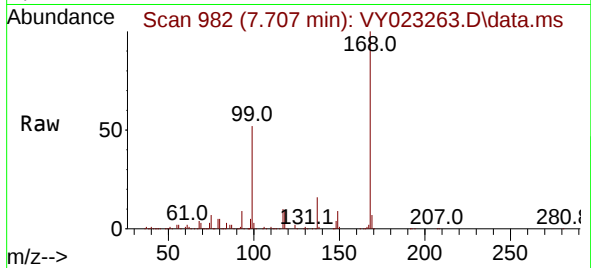




#31
Cyclohexane
Concen: 1.039 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

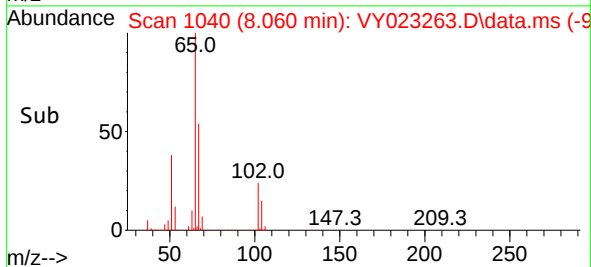
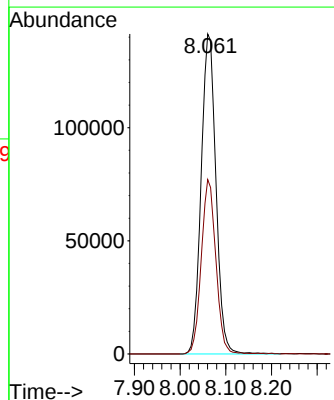
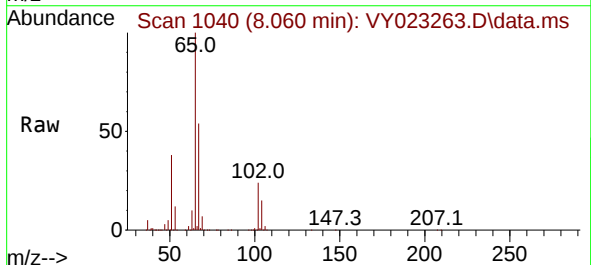
Instrument :
MSVOA_Y
ClientSampleId :

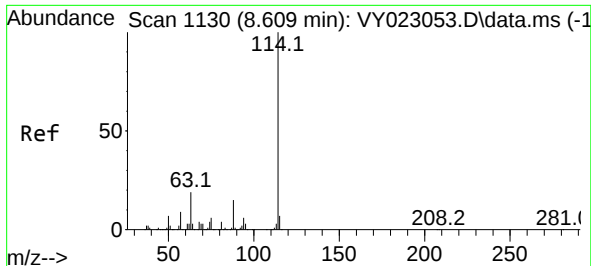
Tgt Ion: 56 Resp: 11490
Ion Ratio Lower Upper
56 100
69 167.0 28.2 42.2#
84 173.0 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 53.472 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

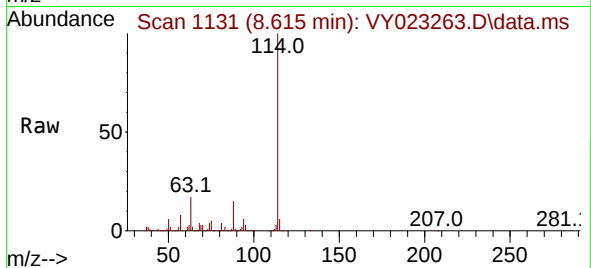
Tgt Ion: 65 Resp: 317425
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8



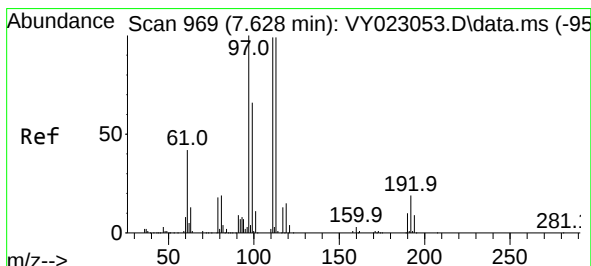
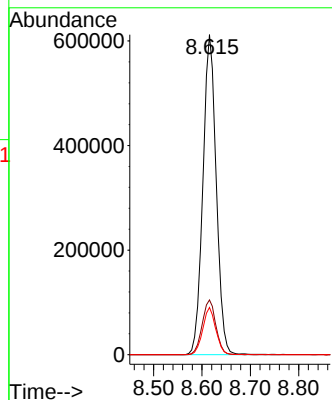
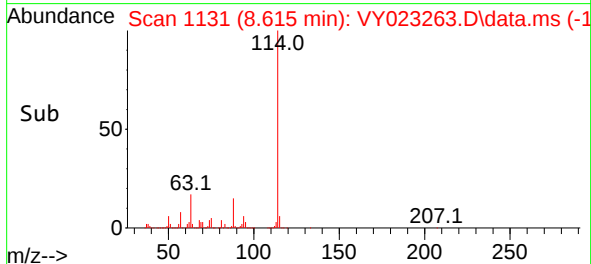


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

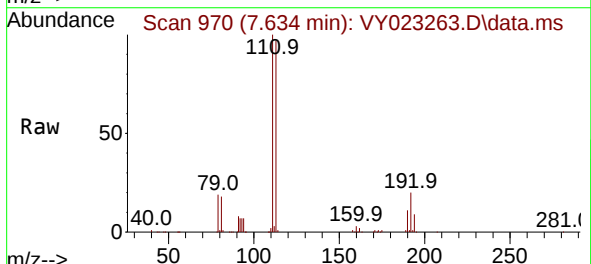
Instrument :
MSVOA_Y
ClientSampleId :



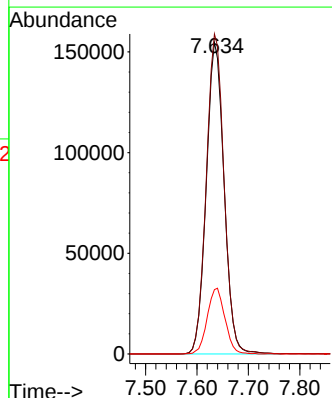
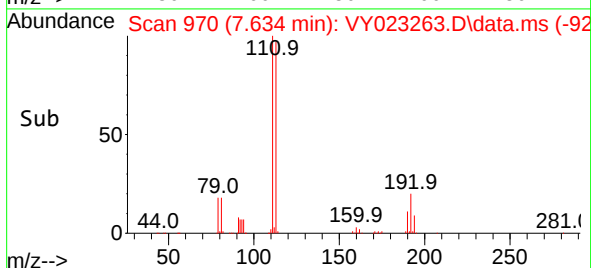
Tgt Ion:114 Resp: 1174418
Ion Ratio Lower Upper
114 100
63 17.1 0.0 38.4
88 14.7 0.0 30.0

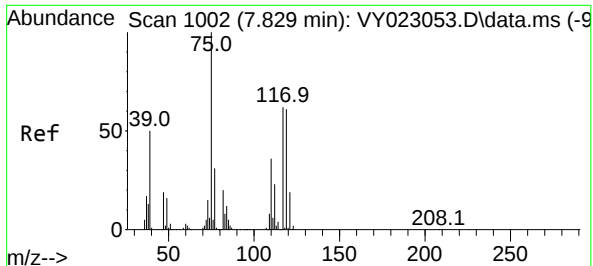


#35
Dibromofluoromethane
Concen: 52.836 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23



Tgt Ion:113 Resp: 371295
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 21.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.218 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023263.D

Acq: 02 Sep 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

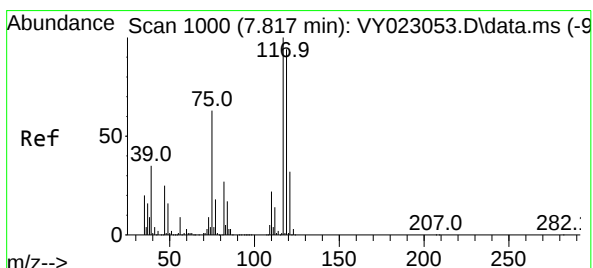
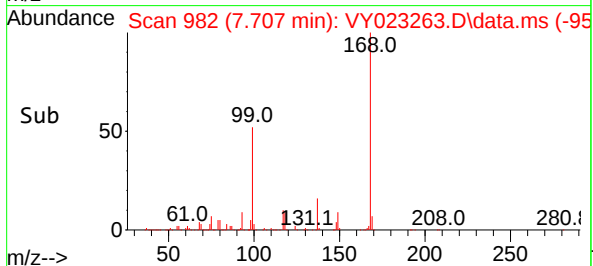
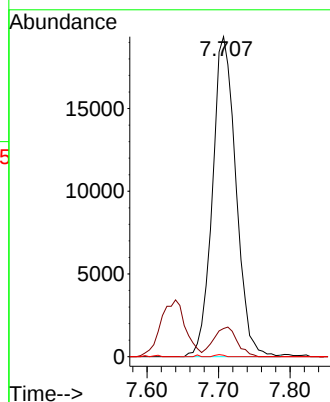
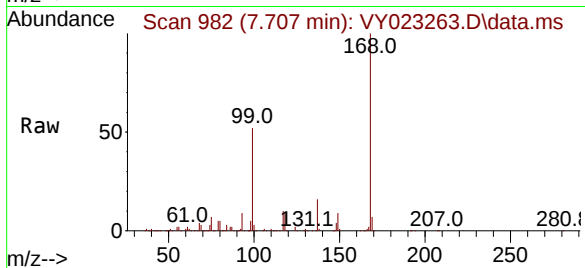
Tgt Ion: 75 Resp: 44049

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.200 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023263.D

Acq: 02 Sep 2025 14:23

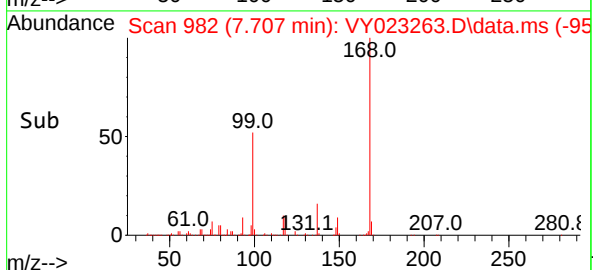
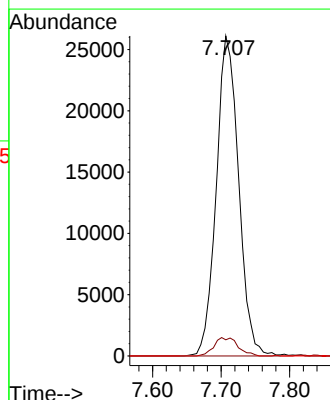
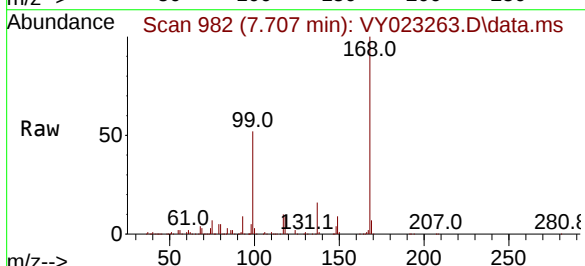
Tgt Ion: 117 Resp: 58981

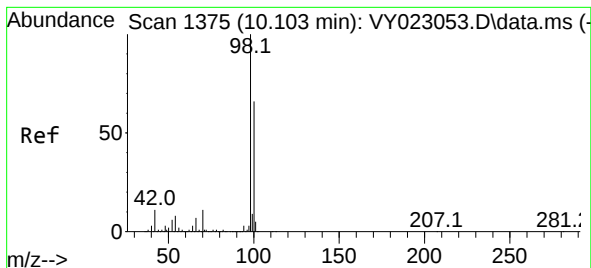
Ion Ratio Lower Upper

117 100

119 5.1 75.6 113.4#

121 0.0 25.8 38.8#

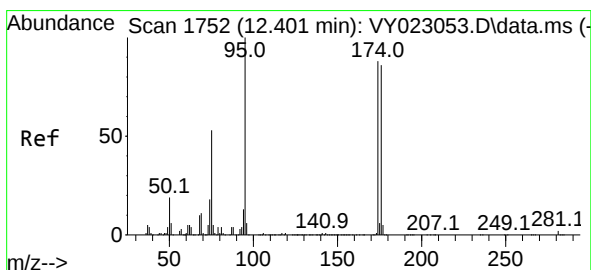
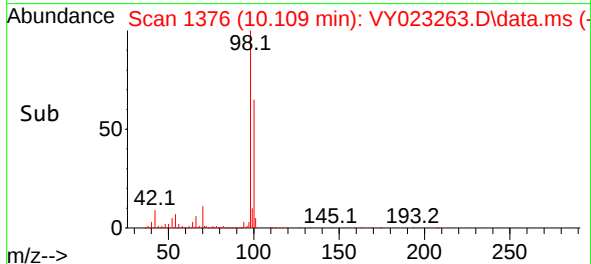
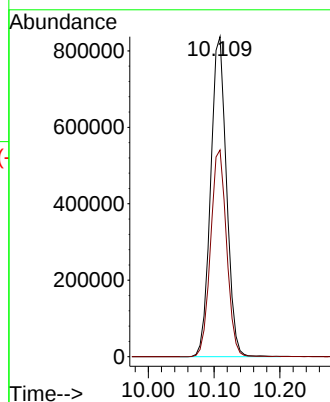
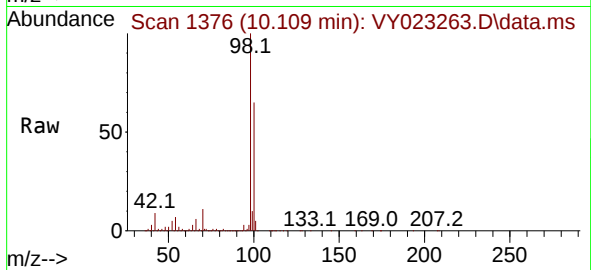




#50
Toluene-d8
Concen: 51.133 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

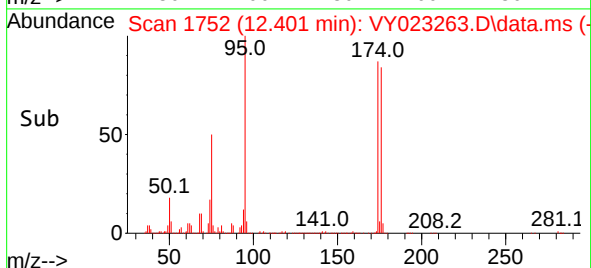
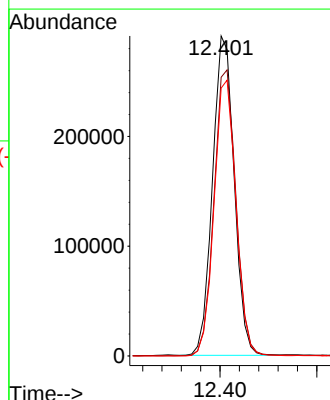
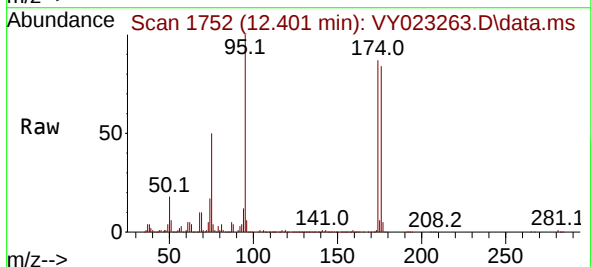
Instrument :
MSVOA_Y
ClientSampleId :

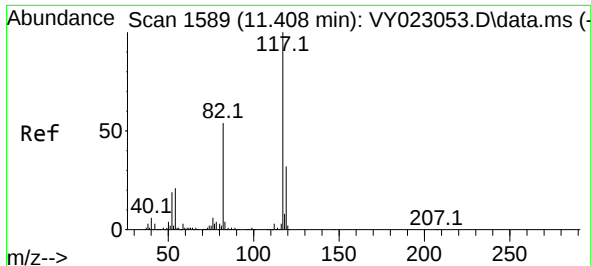
Tgt Ion: 98 Resp: 1403739
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 51.110 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

Tgt Ion: 95 Resp: 451237
Ion Ratio Lower Upper
95 100
174 91.4 0.0 171.6
176 87.8 0.0 167.6

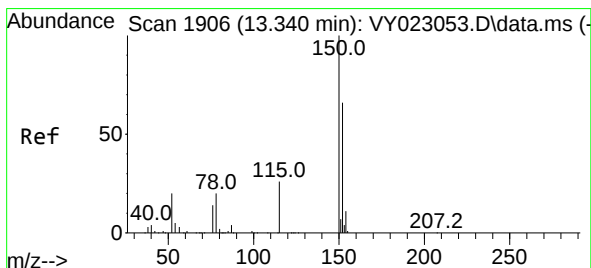
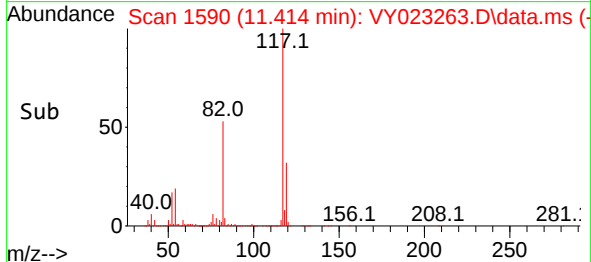
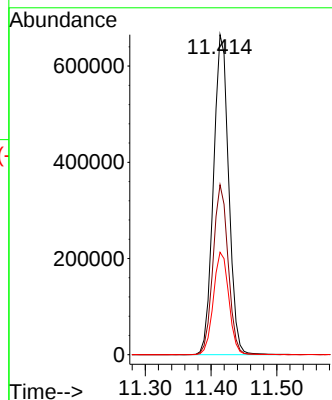
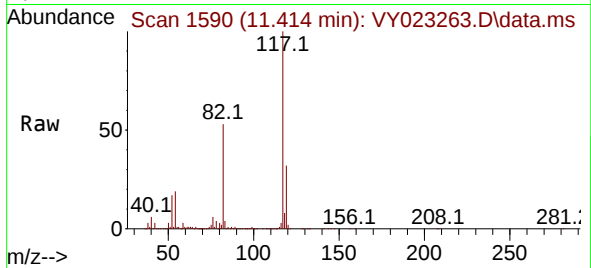




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

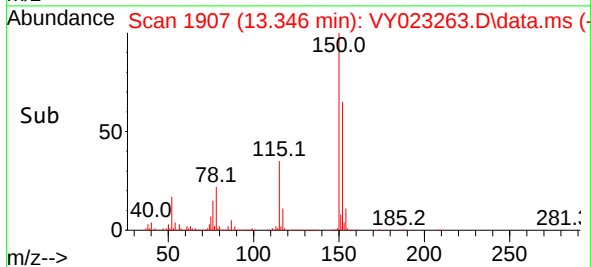
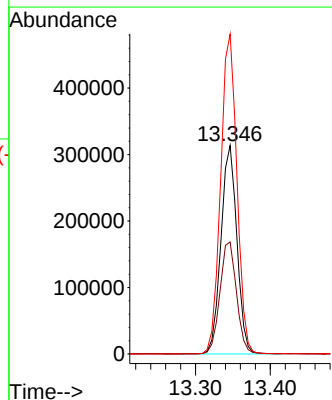
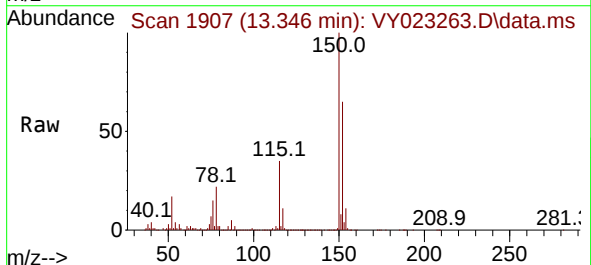
Instrument :
MSVOA_Y
ClientSampleId :

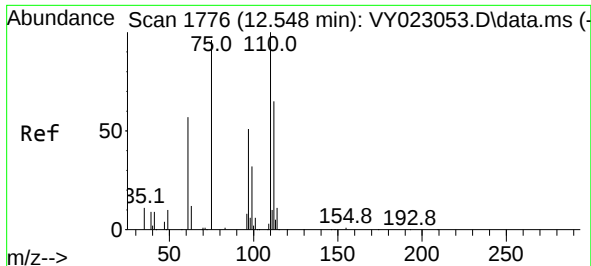
Tgt Ion:117 Resp: 1073513
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

Tgt Ion:152 Resp: 465350
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 156.2 0.0 348.0

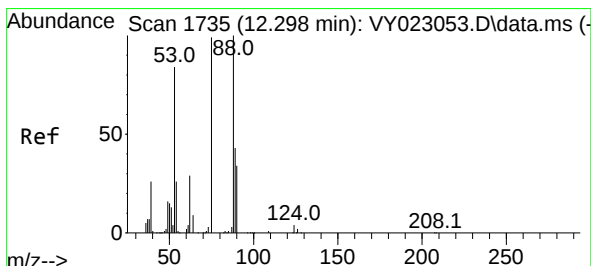
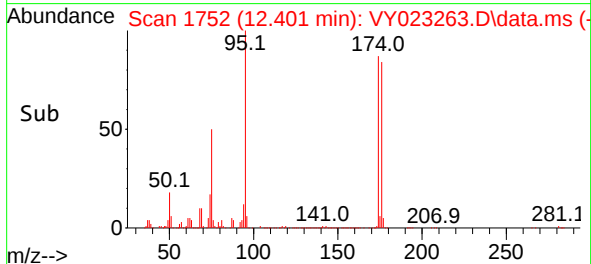
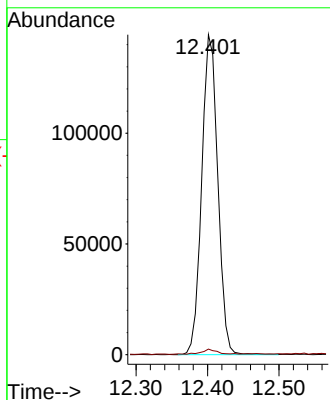
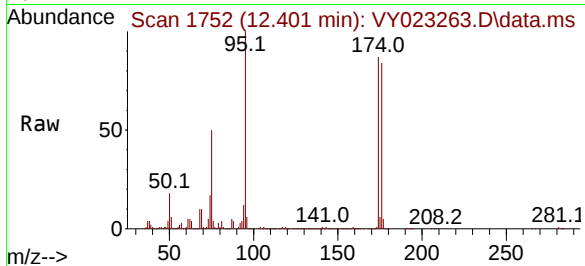




#76
1,2,3-Trichloropropane
Concen: 50.197 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.147 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 225441
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.511 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.103 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

Tgt Ion: 75 Resp: 225441
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.1 38.1 57.1#

