

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023298.D
 Acq On : 05 Sep 2025 15:01
 Operator : SY/MD
 Sample : Q3032-03
 Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 06 01:56:46 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)

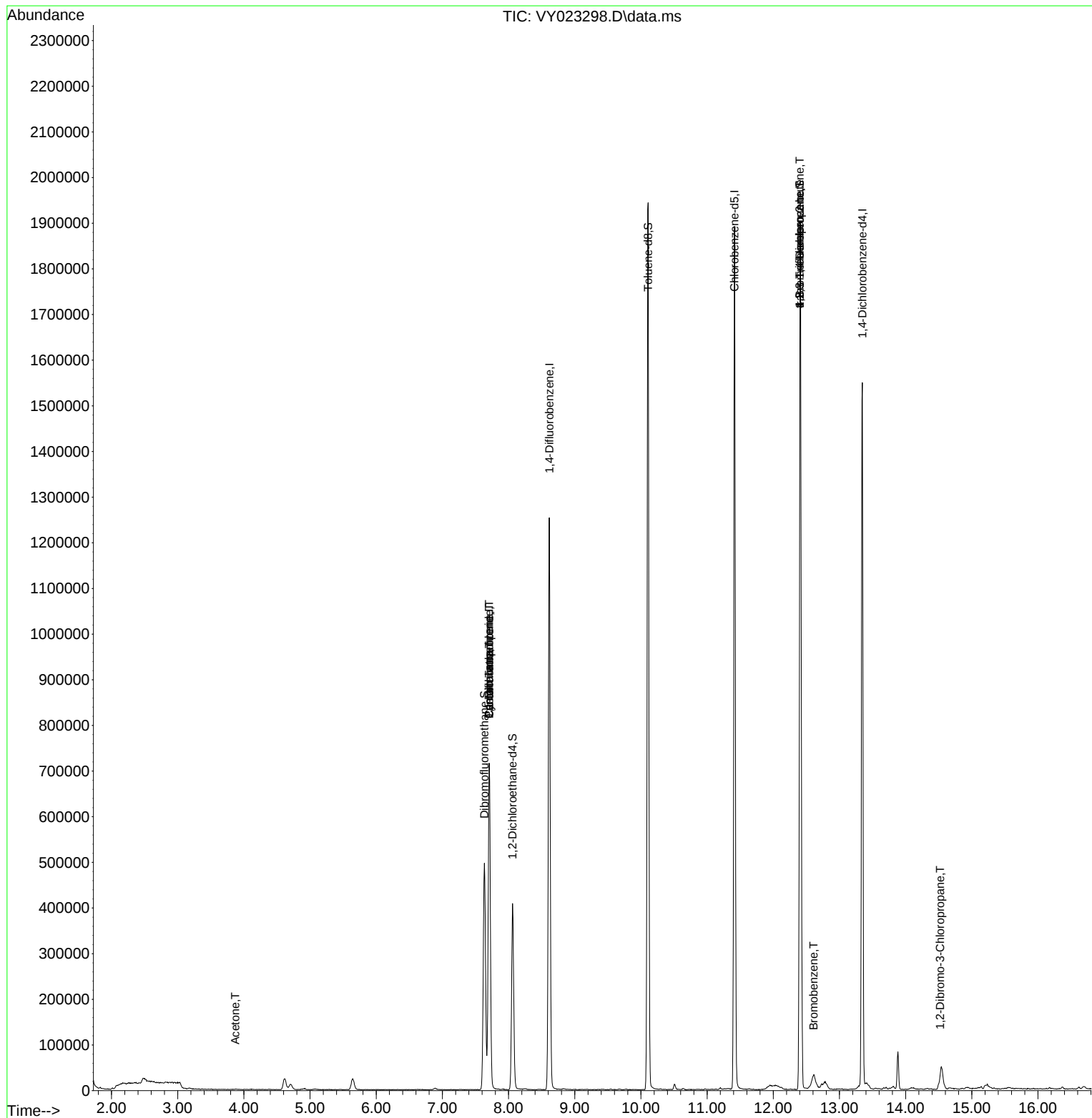
Internal Standards						
1) Pentafluorobenzene	7.707	168	582850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1102138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1012716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	418128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	316238	56.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.860%	
35) Dibromofluoromethane	7.634	113	359385	54.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.980%	
50) Toluene-d8	10.109	98	1304767	50.644	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.280%	
62) 4-Bromofluorobenzene	12.401	95	409352	49.406	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.820%	
Target Compounds						Qvalue
16) Acetone	3.872	43	1289	1.071	ug/l #	41
31) Cyclohexane	7.707	56	10733	1.037	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41501	4.234	ug/l #	50
38) Carbon Tetrachloride	7.707	117	54572	5.127	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	210391	52.137	ug/l #	100
77) Bromobenzene	12.609	156	33751	4.794	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.401	75	210391	126.206	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.523	75	1663	2.120	ug/l #	1

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

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Quant Time: Sep 06 01:56:46 2025
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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

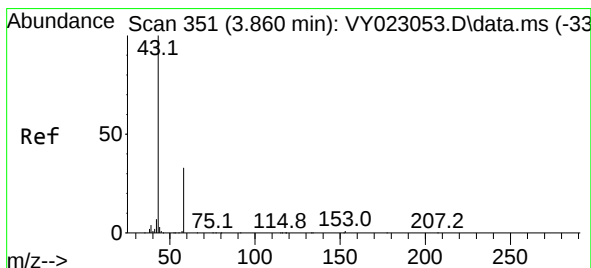
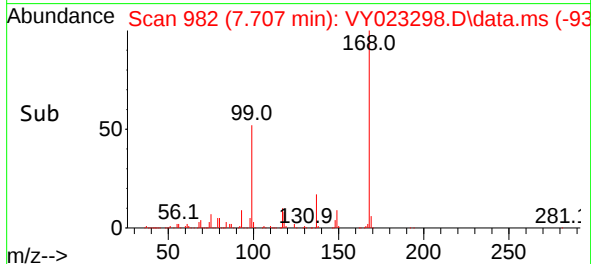
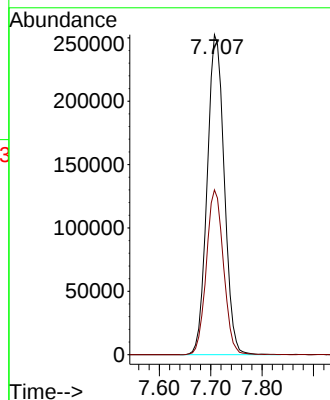
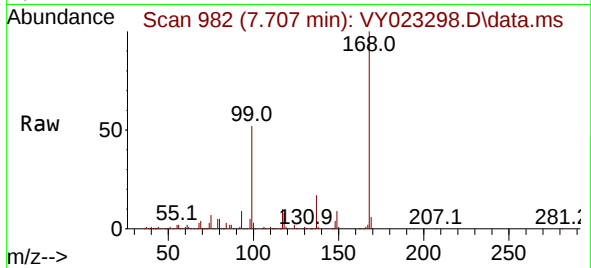




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

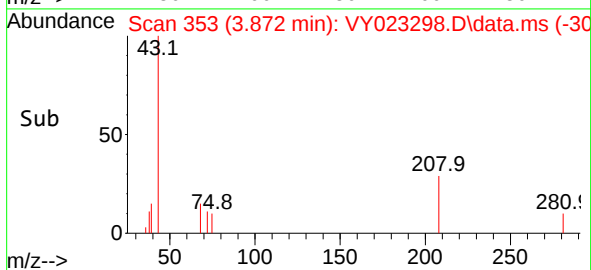
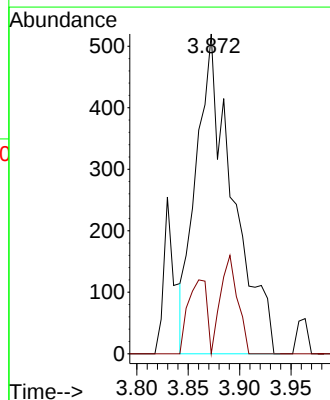
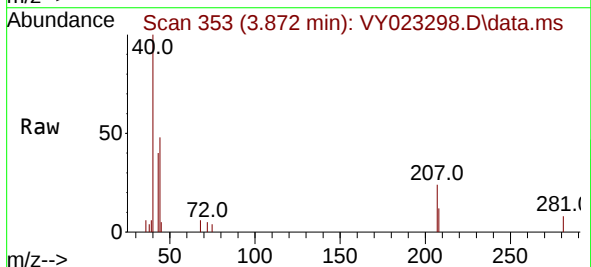
Instrument :
MSVOA_Y
ClientSampleId :

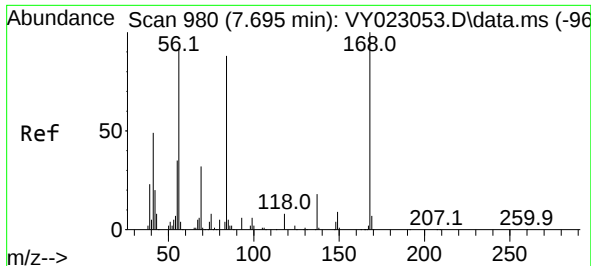
Tgt Ion:168 Resp: 582850
Ion Ratio Lower Upper
168 100
99 51.5 42.8 64.2



#16
Acetone
Concen: 1.071 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

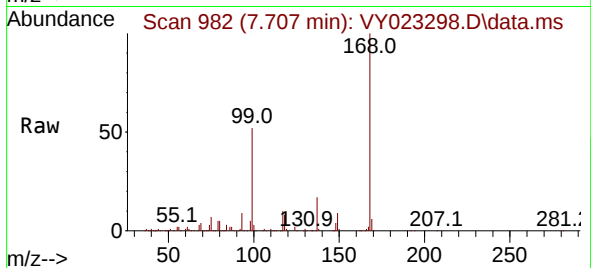
Tgt Ion: 43 Resp: 1289
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#



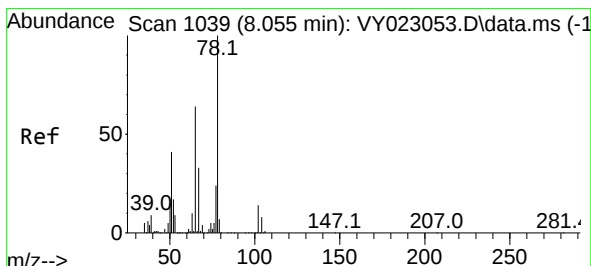
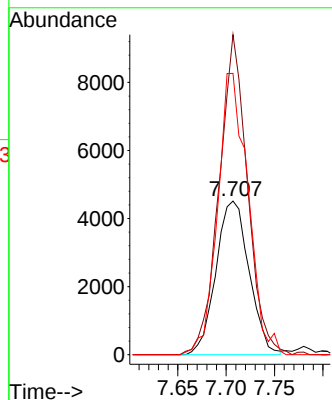
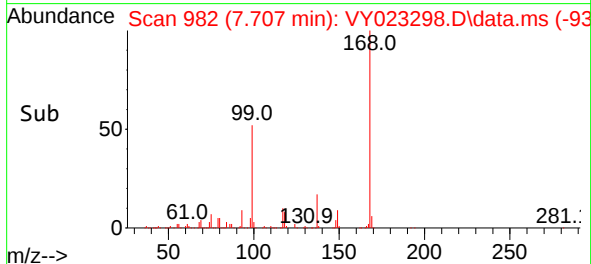


#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

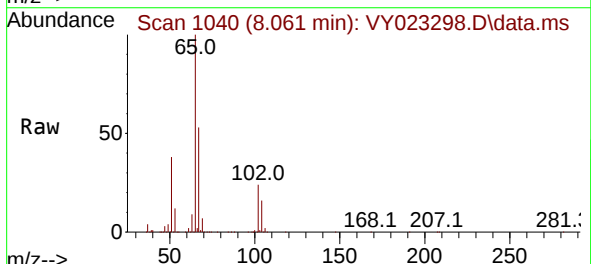
Instrument :
MSVOA_Y
ClientSampleId :



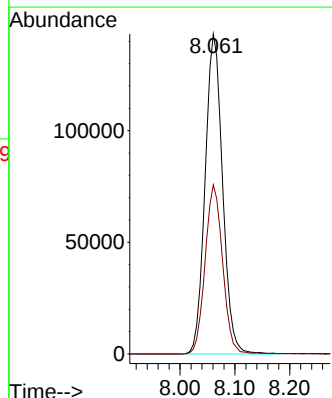
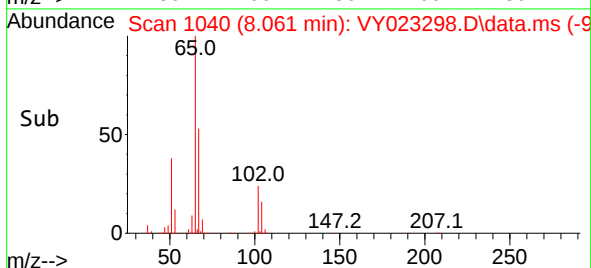
Tgt Ion: 56 Resp: 10733
Ion Ratio Lower Upper
56 100
69 208.4 28.2 42.2#
84 183.2 76.6 114.8#

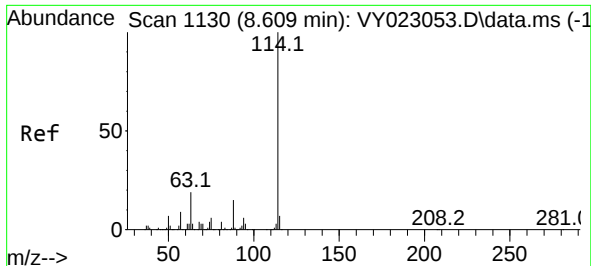


#33
1,2-Dichloroethane-d4
Concen: 56.929 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01



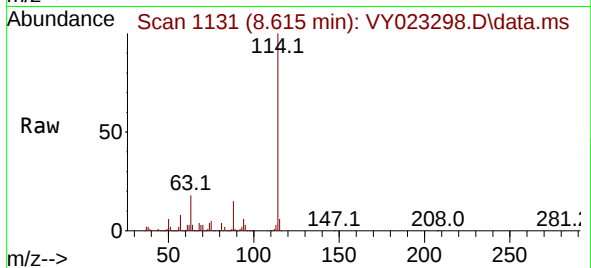
Tgt Ion: 65 Resp: 316238
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8



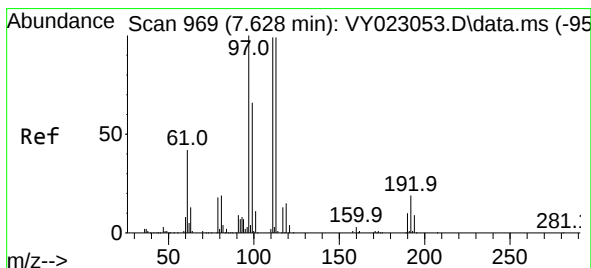
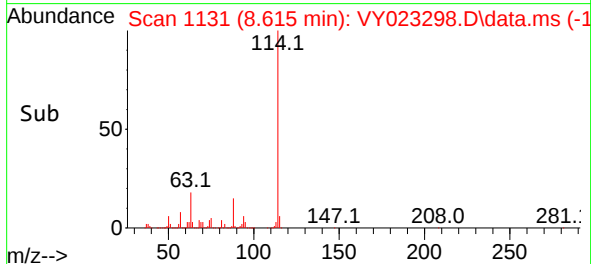
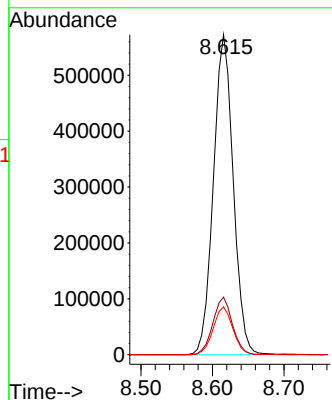


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :

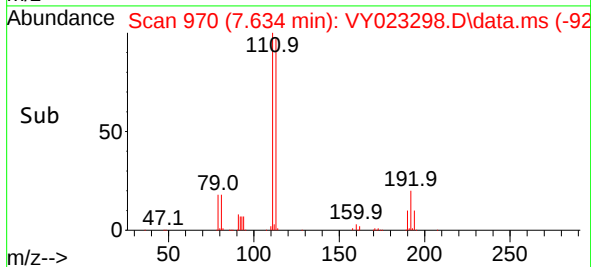
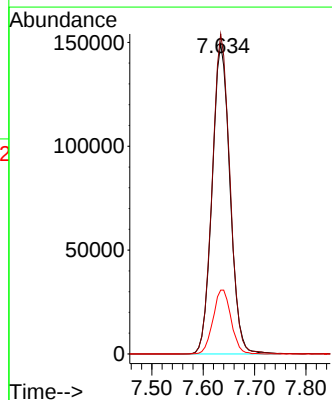
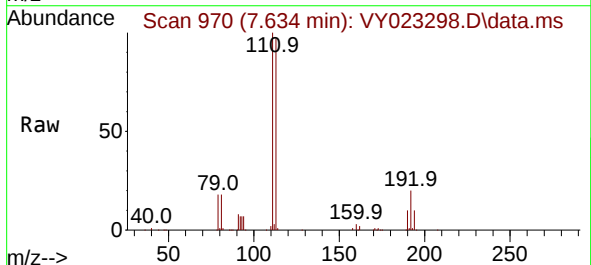


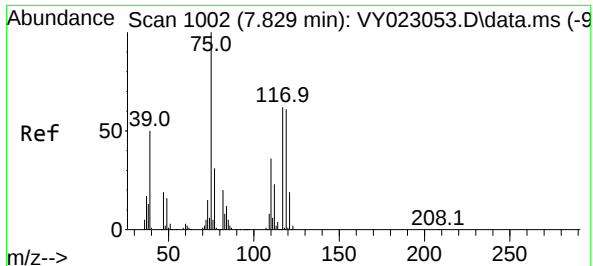
Tgt Ion:114 Resp: 1102138
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.4
88 15.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.495 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

Tgt Ion:113 Resp: 359385
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 20.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.234 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

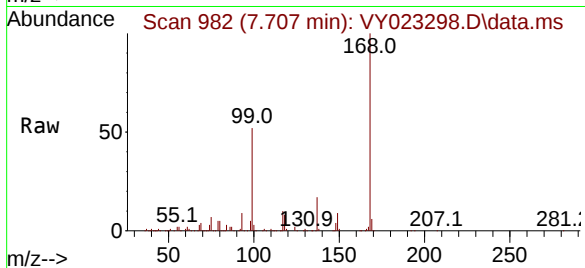
Lab File: VY023298.D

Acq: 05 Sep 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :



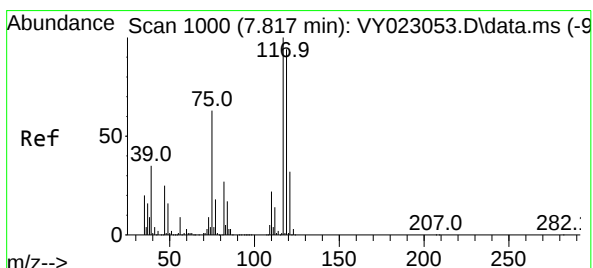
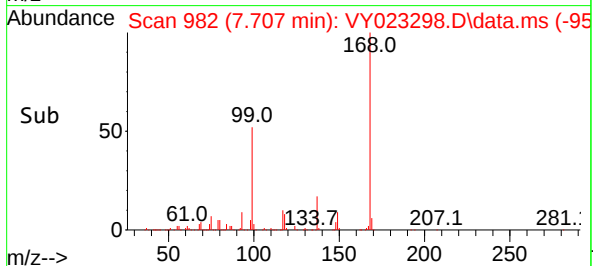
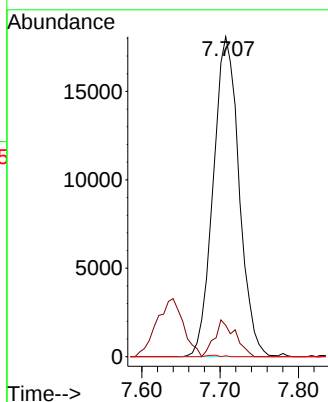
Tgt Ion: 75 Resp: 41501

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.127 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023298.D

Acq: 05 Sep 2025 15:01

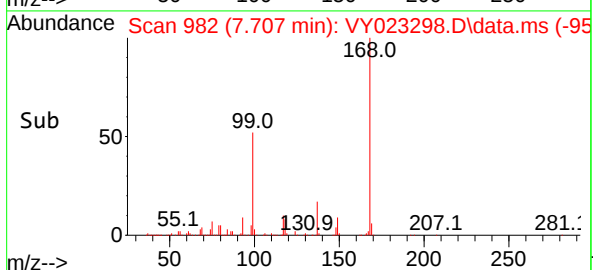
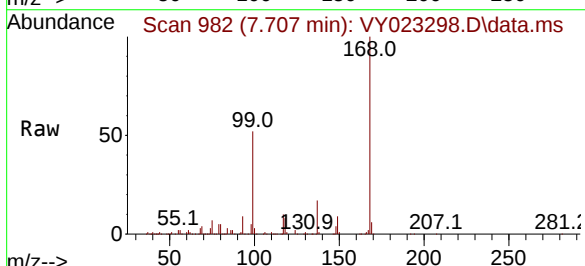
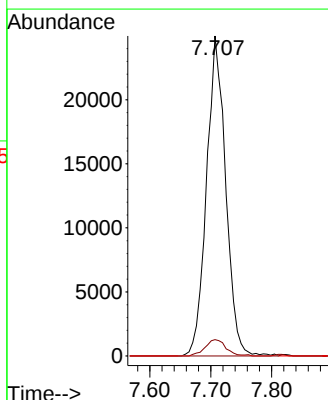
Tgt Ion: 117 Resp: 54572

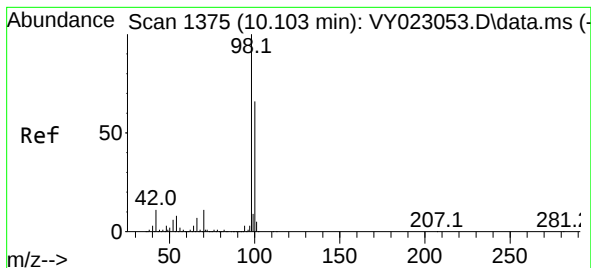
Ion Ratio Lower Upper

117 100

119 5.1 75.6 113.4#

121 0.0 25.8 38.8#

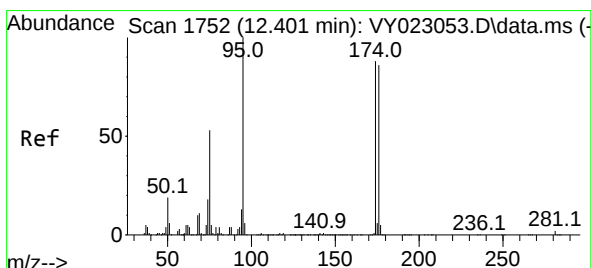
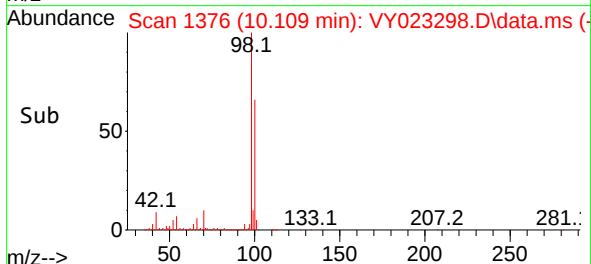
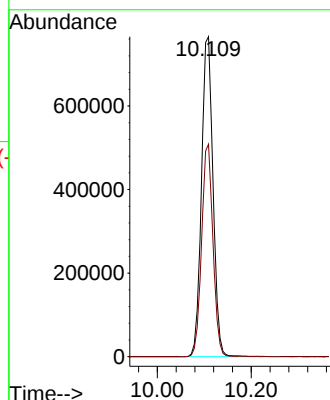
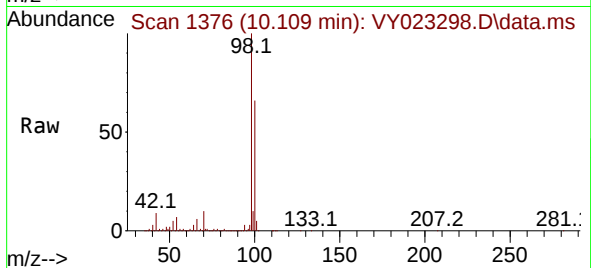




#50
Toluene-d8
Concen: 50.644 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

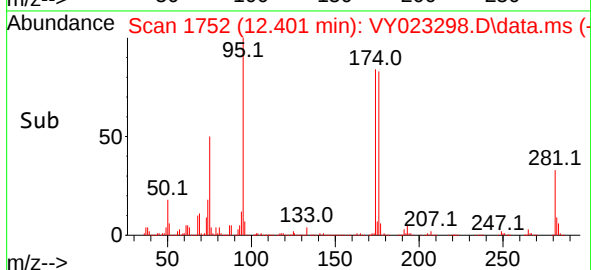
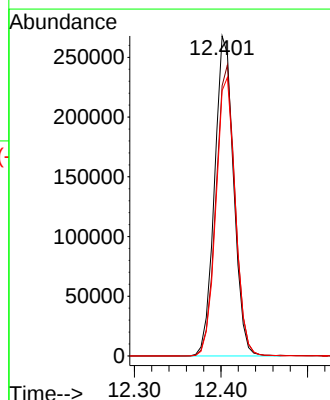
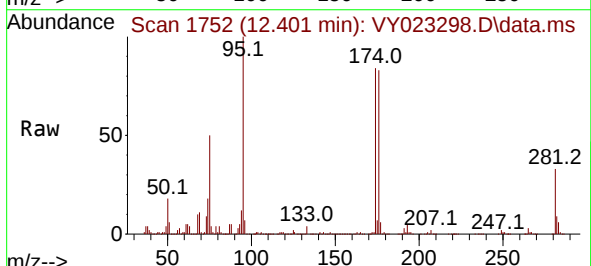
Instrument :
MSVOA_Y
ClientSampleId :

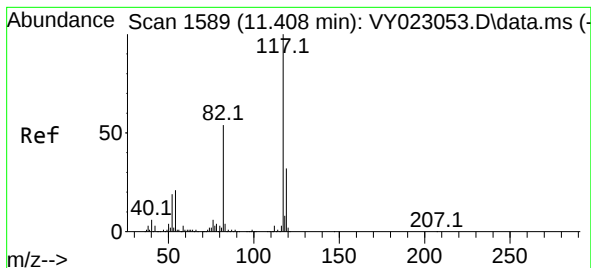
Tgt Ion: 98 Resp: 1304767
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.406 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

Tgt Ion: 95 Resp: 409352
Ion Ratio Lower Upper
95 100
174 91.3 0.0 171.6
176 88.4 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: VY023298.D

Acq: 05 Sep 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

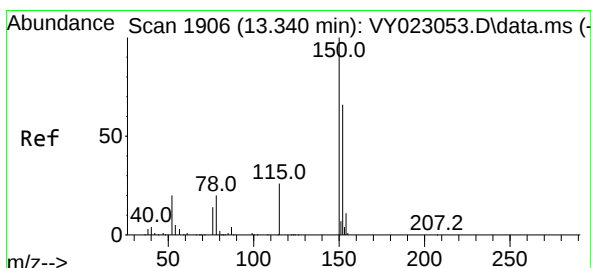
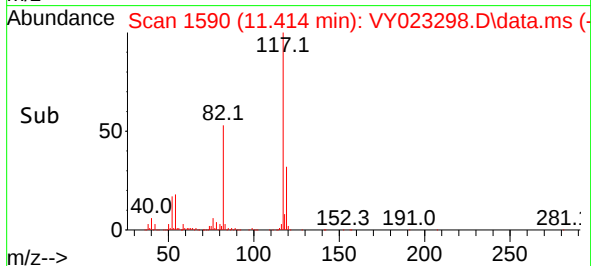
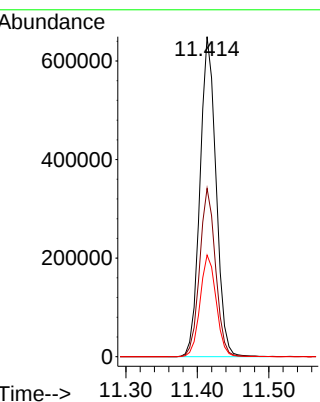
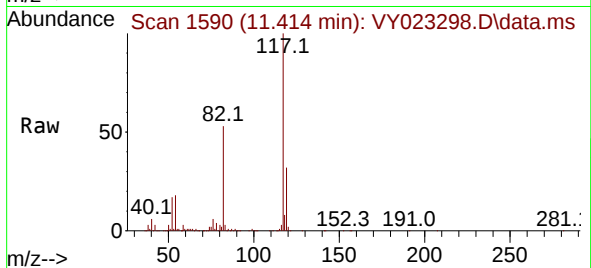
Tgt Ion:117 Resp: 1012716

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 31.8 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: VY023298.D

Acq: 05 Sep 2025 15:01

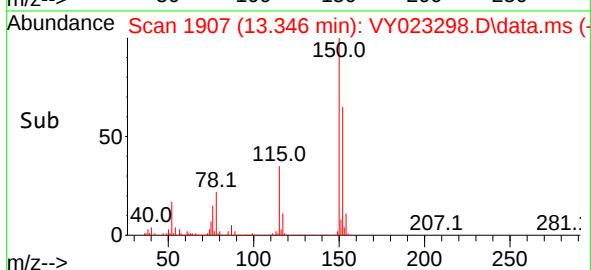
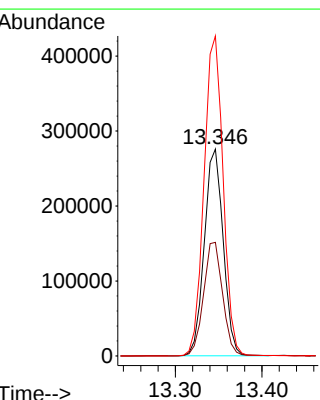
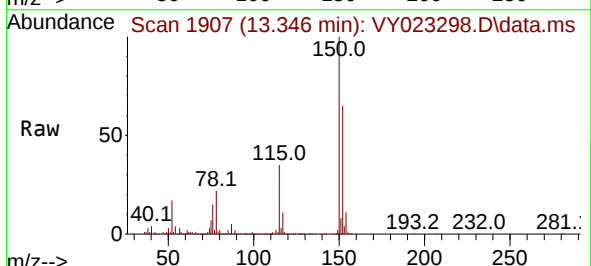
Tgt Ion:152 Resp: 418128

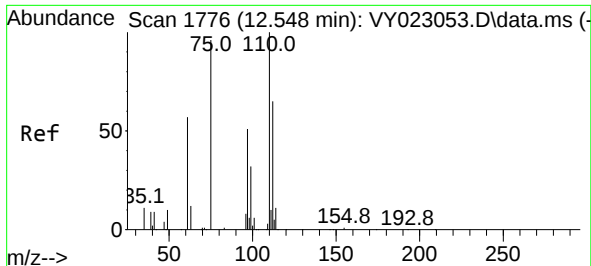
Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 156.4 0.0 348.0

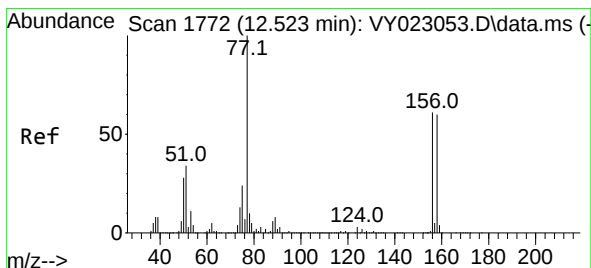
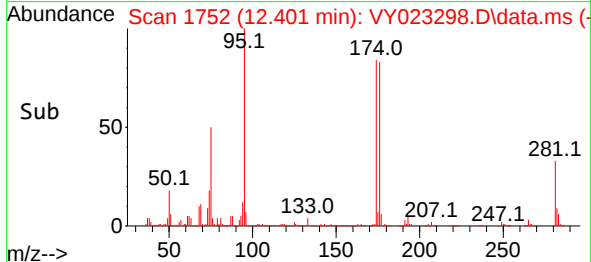
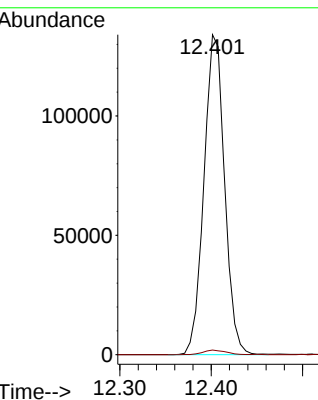
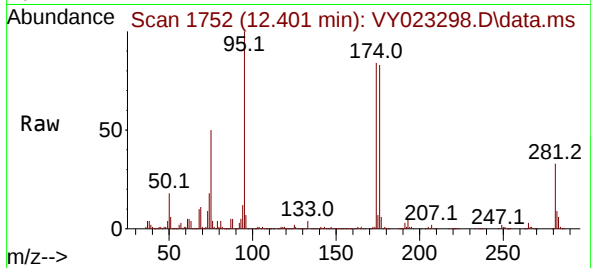




#76
1,2,3-Trichloropropane
Concen: 52.137 ug/l
RT: 12.401 min Scan# 1785
Delta R.T. -0.146 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

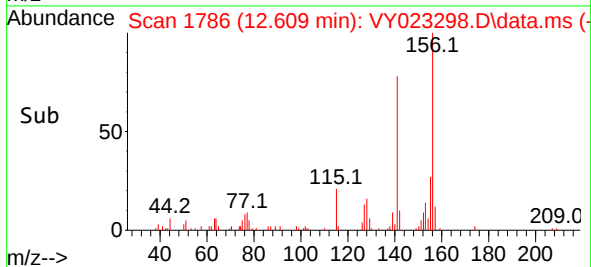
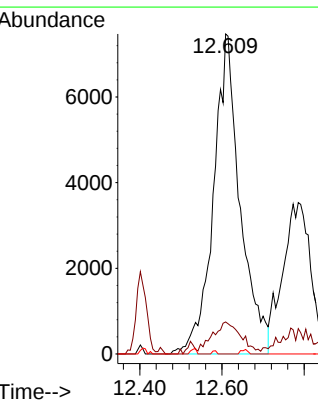
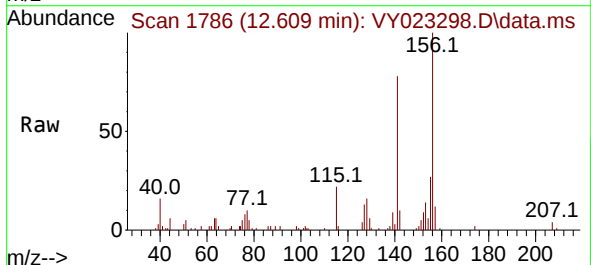
Instrument :
MSVOA_Y
ClientSampleId :

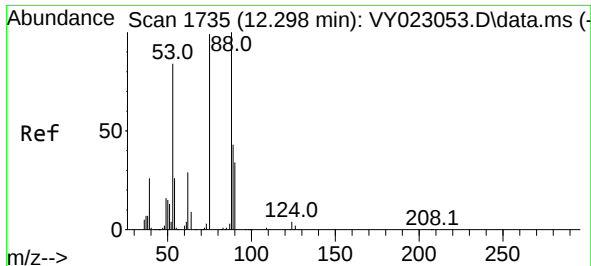
Tgt Ion: 75 Resp: 210391
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#77
Bromobenzene
Concen: 4.794 ug/l
RT: 12.609 min Scan# 1786
Delta R.T. 0.085 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

Tgt Ion:156 Resp: 33751
Ion Ratio Lower Upper
156 100
77 9.0 88.1 264.4#
158 0.0 48.0 144.0#

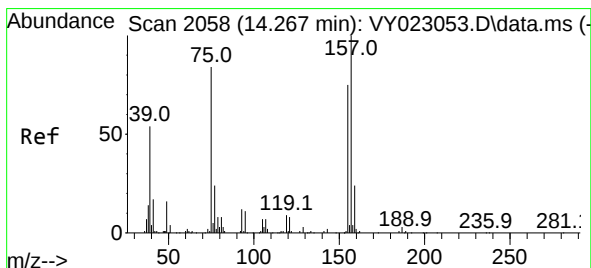
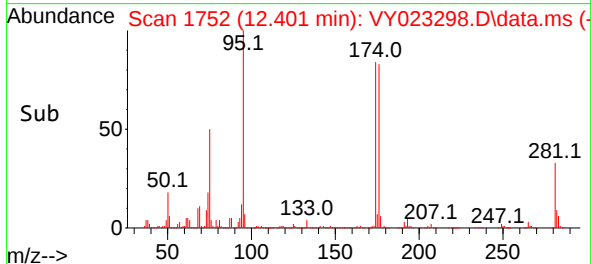
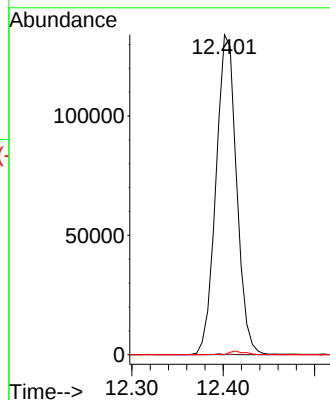
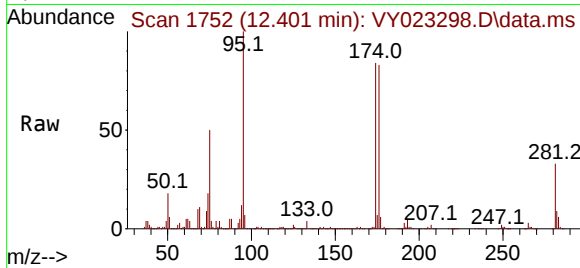




#81
trans-1,4-Dichloro-2-butene
Concen: 126.206 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 210391
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.8 38.1 57.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.120 ug/l
RT: 14.523 min Scan# 2100
Delta R.T. 0.256 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

Tgt Ion: 75 Resp: 1663
Ion Ratio Lower Upper
75 100
155 0.0 43.9 131.6#
157 0.0 57.2 171.6#

