

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022603.D
 Acq On : 06 Jun 2025 16:24
 Operator : SY/MD
 Sample : Q2225-01
 Misc : 4.88g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-06042025

Quant Time: Jun 06 23:45:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

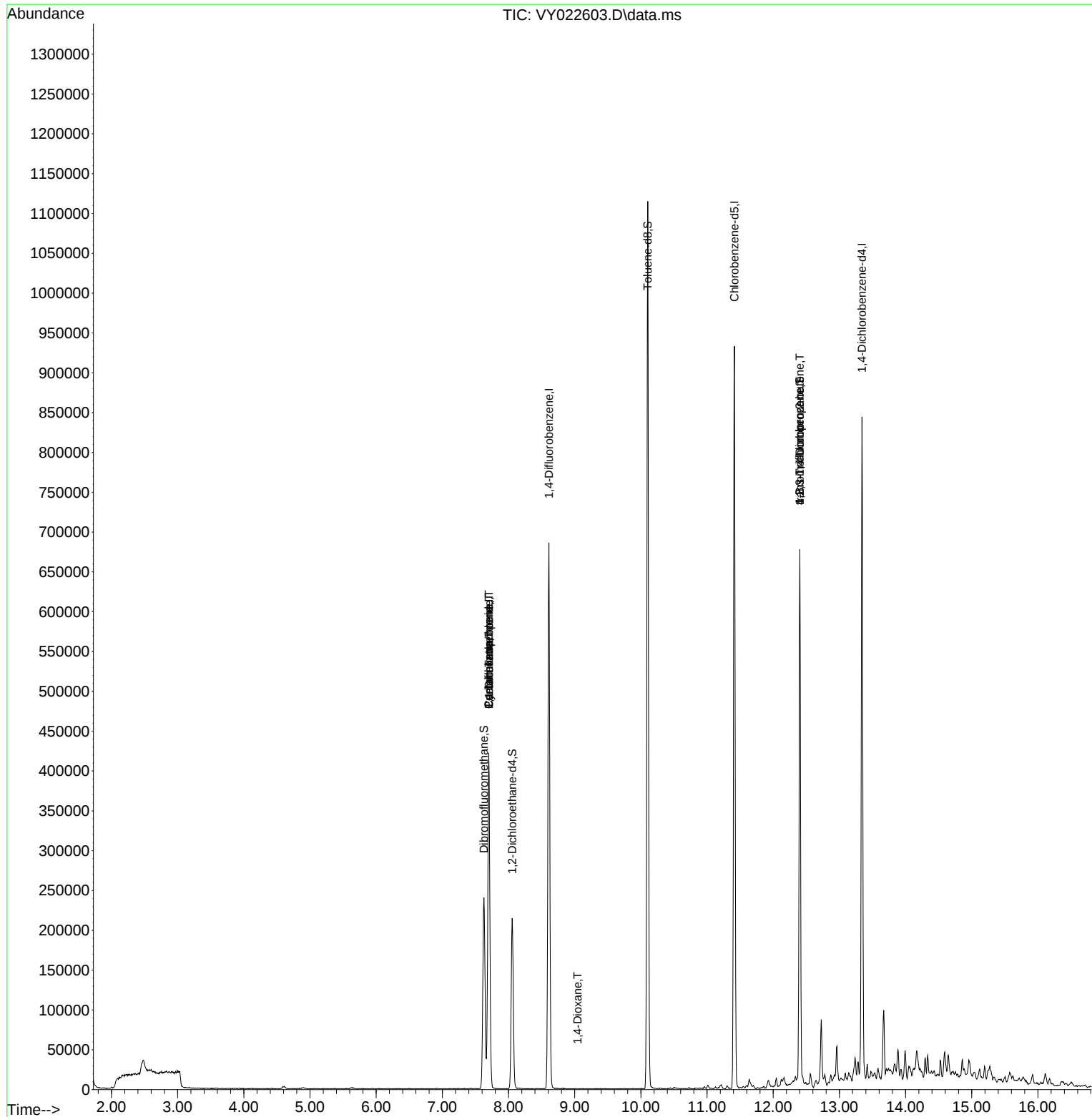
Internal Standards						
1) Pentafluorobenzene	7.701	168	298597	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	545147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	454305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	182721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	161860	48.466	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.940%
35) Dibromofluoromethane	7.628	113	162649	49.986	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.980%
50) Toluene-d8	10.103	98	670796	51.020	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.040%
62) 4-Bromofluorobenzene	12.401	95	175266	44.741	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.480%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	9012	1.404	ug/l #	40
36) 1,1-Dichloropropene	7.701	75	27015	5.115	ug/l #	51
38) Carbon Tetrachloride	7.701	117	31095	5.740	ug/l #	16
49) 1,4-Dioxane	9.042	88	83	3.378	ug/l #	29
76) 1,2,3-Trichloropropane	12.401	75	106254	50.830	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	106254	122.750	ug/l #	11

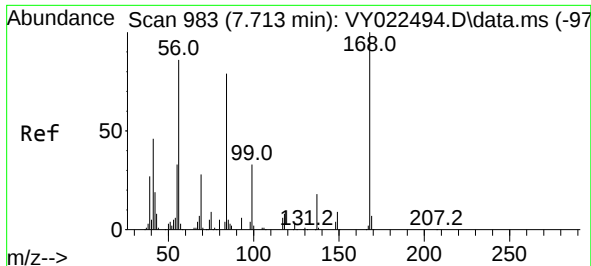
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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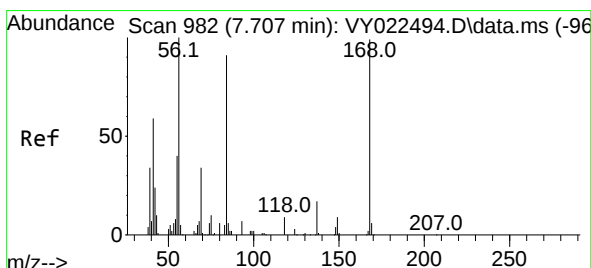
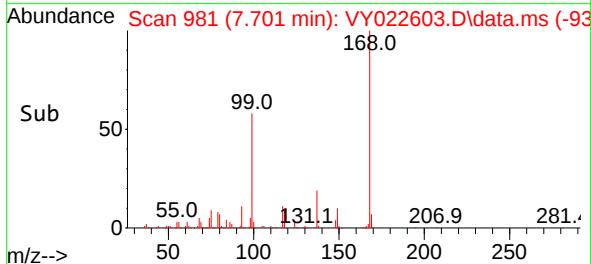
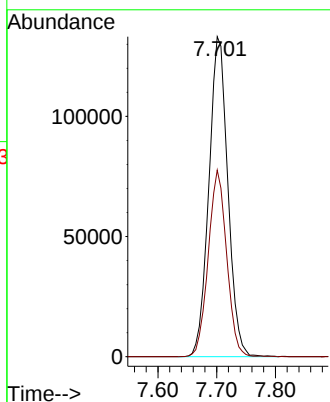
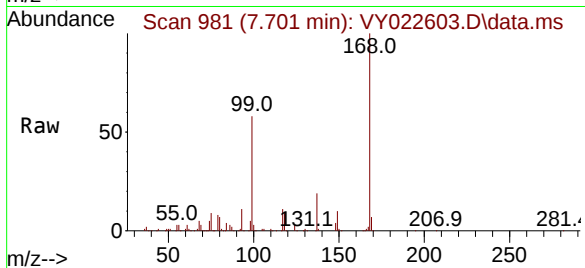




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022603.D
Acq: 06 Jun 2025 16:24

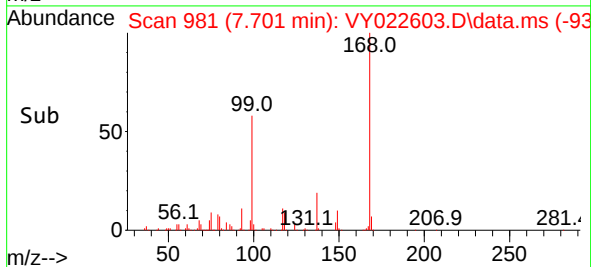
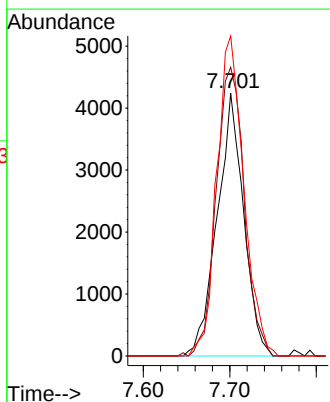
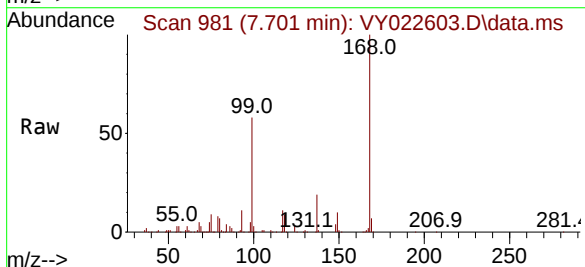
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-06042025

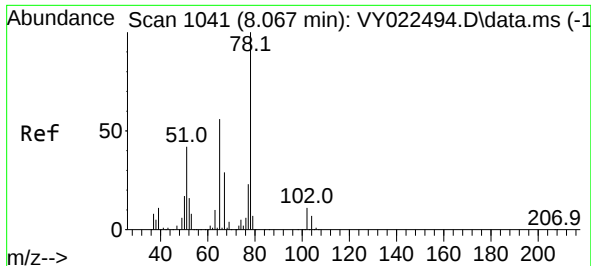
Tgt Ion:168 Resp: 298597
Ion Ratio Lower Upper
168 100
99 58.3 44.3 66.5



#31
Cyclohexane
Concen: 1.404 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022603.D
Acq: 06 Jun 2025 16:24

Tgt Ion: 56 Resp: 9012
Ion Ratio Lower Upper
56 100
69 109.8 27.0 40.6#
84 121.7 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.466 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022603.D

Acq: 06 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

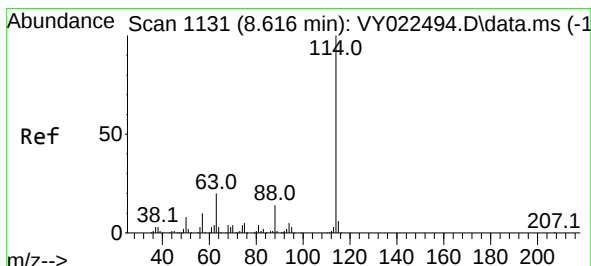
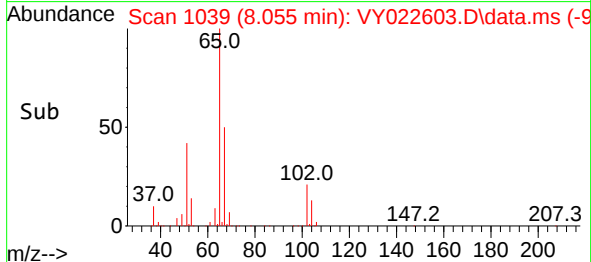
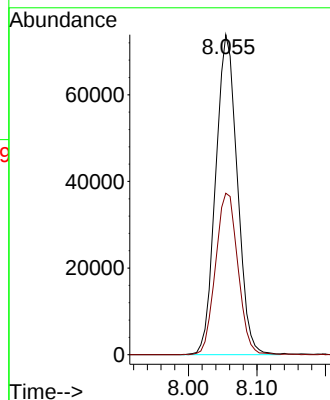
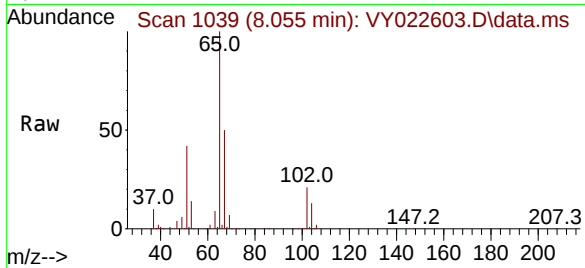
SU-03-06042025

Tgt Ion: 65 Resp: 161860

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022603.D

Acq: 06 Jun 2025 16:24

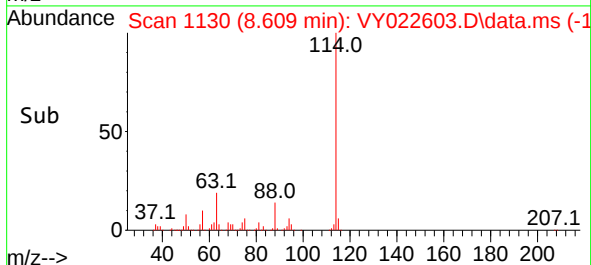
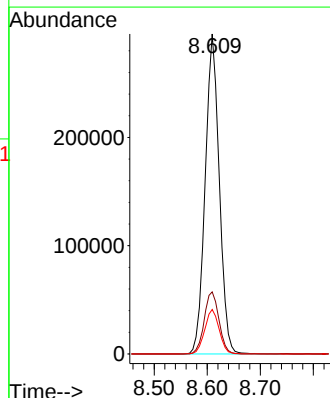
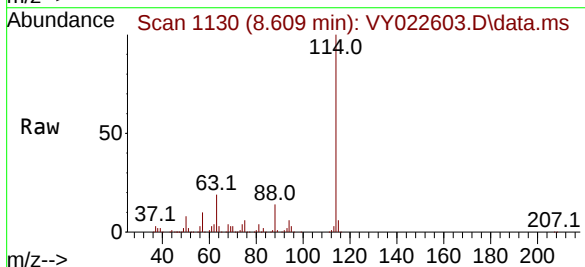
Tgt Ion: 114 Resp: 545147

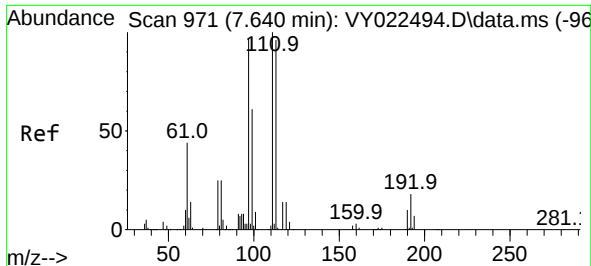
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 13.9 0.0 27.8

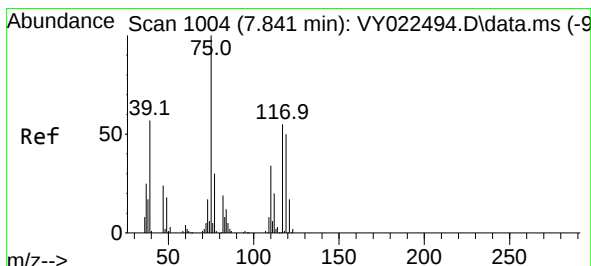
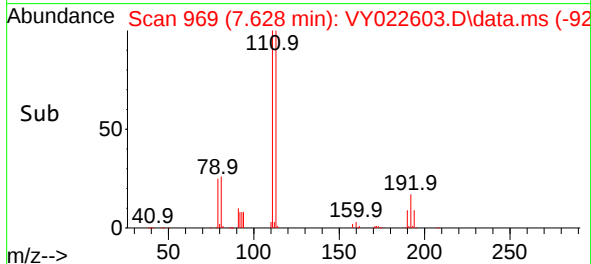
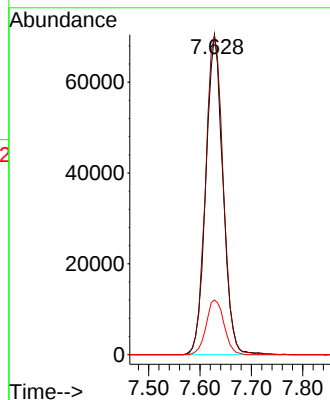
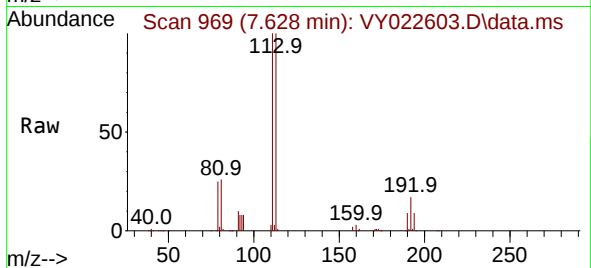




#35
Dibromofluoromethane
Concen: 49.986 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022603.D
Acq: 06 Jun 2025 16:24

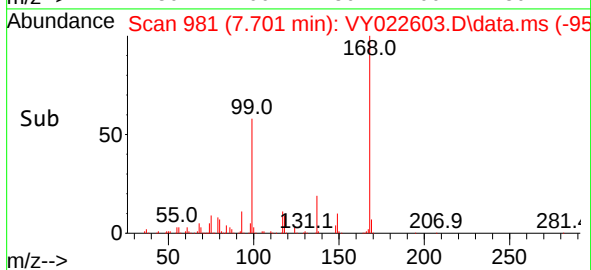
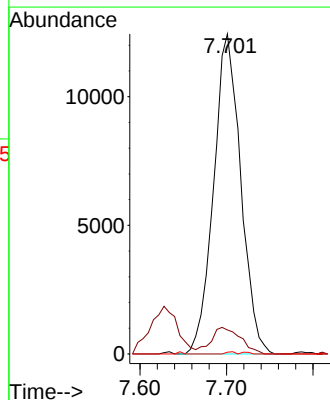
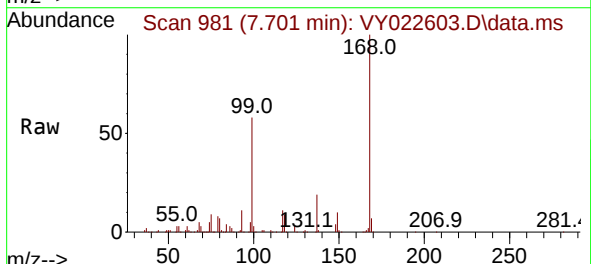
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-06042025

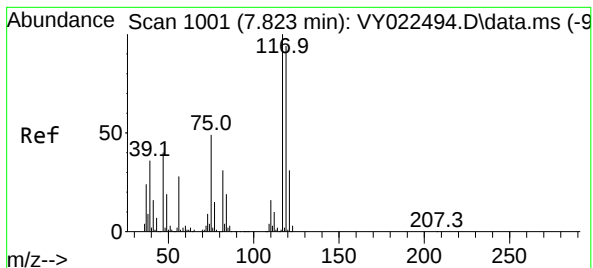
Tgt Ion:113 Resp: 162649
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 17.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.115 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022603.D
Acq: 06 Jun 2025 16:24

Tgt Ion: 75 Resp: 27015
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.7#
77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022603.D

Acq: 06 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-06042025

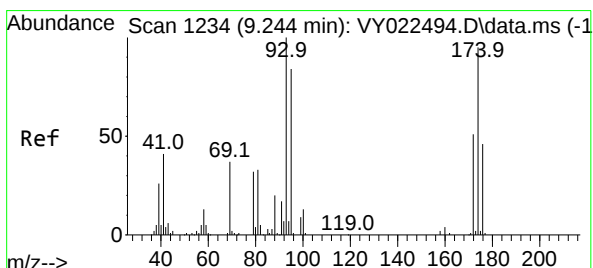
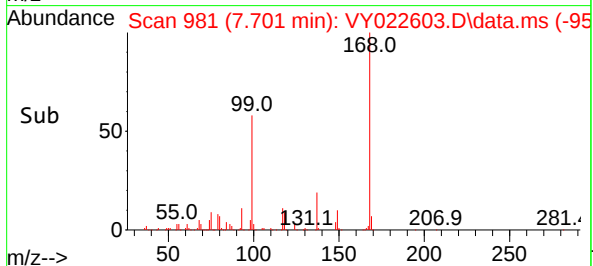
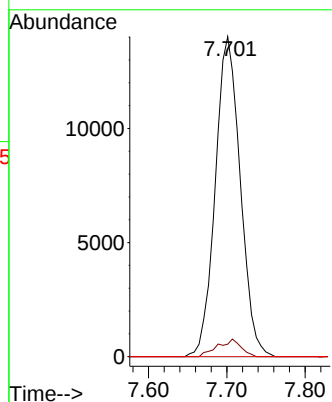
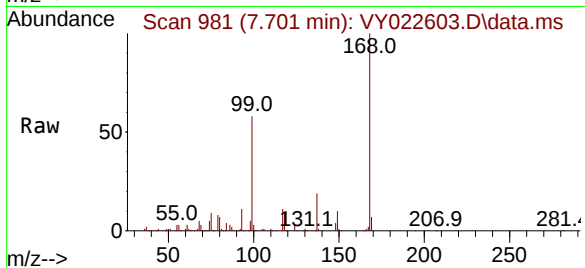
Tgt Ion:117 Resp: 31095

Ion Ratio Lower Upper

117 100

119 3.9 75.0 112.6#

121 0.0 25.0 37.4#



#49

1,4-Dioxane

Concen: 3.378 ug/l

RT: 9.042 min Scan# 1201

Delta R.T. -0.201 min

Lab File: VY022603.D

Acq: 06 Jun 2025 16:24

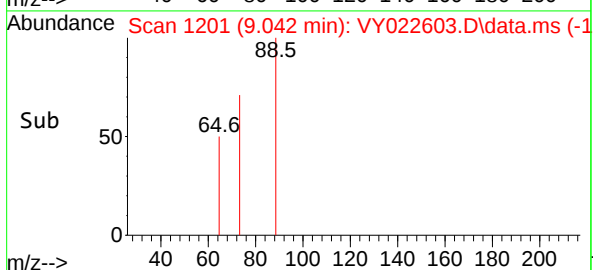
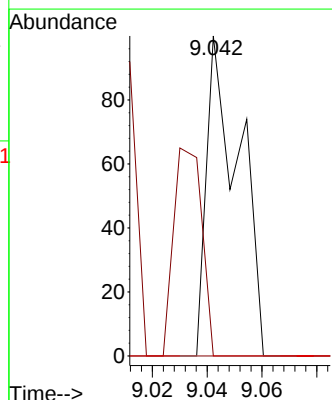
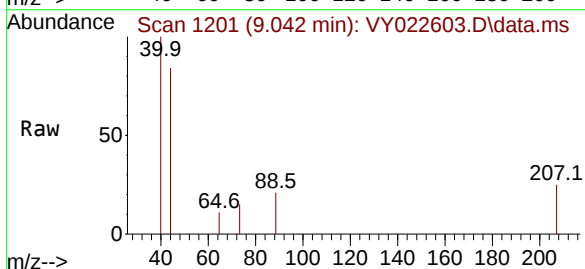
Tgt Ion: 88 Resp: 83

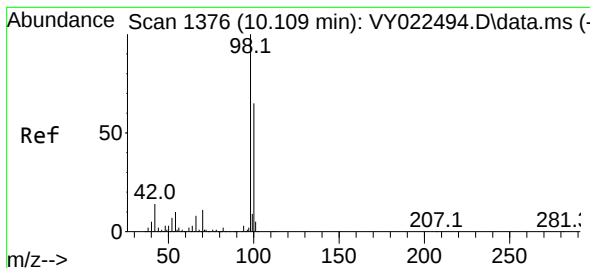
Ion Ratio Lower Upper

88 100

43 55.4 25.4 38.2#

58 0.0 54.9 82.3#

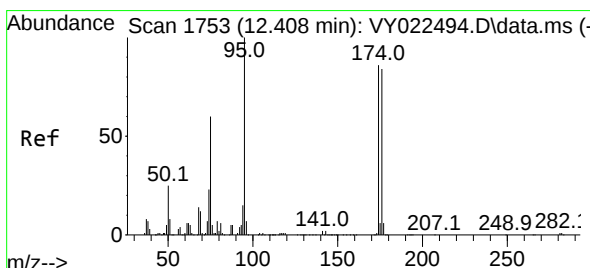
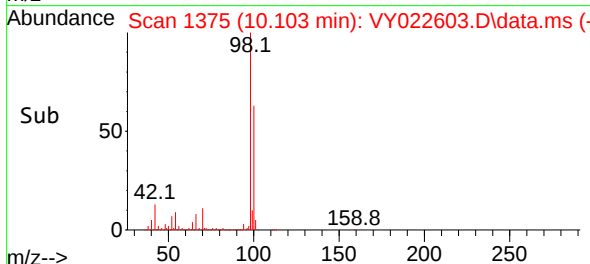
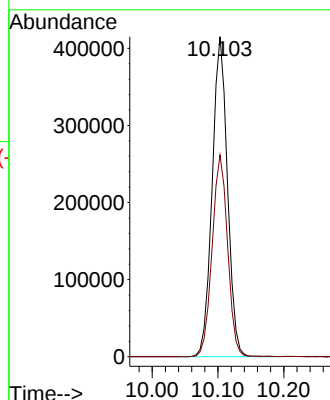
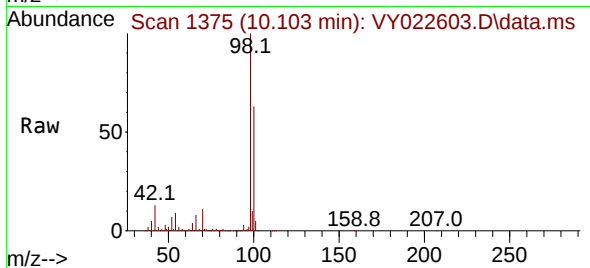




#50
Toluene-d8
Concen: 51.020 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022603.D
Acq: 06 Jun 2025 16:24

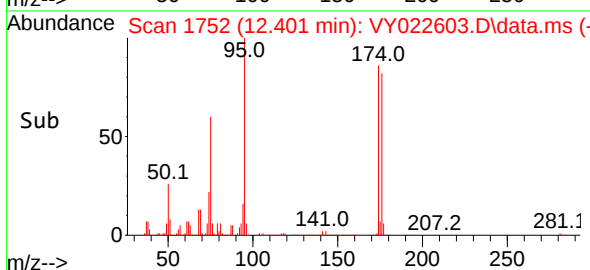
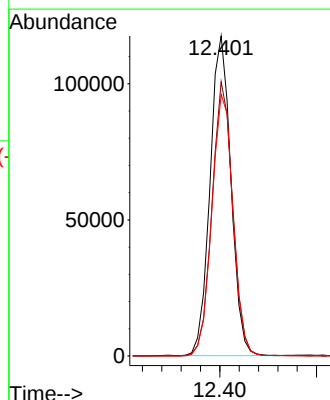
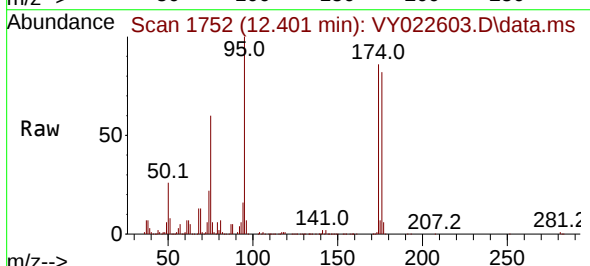
Instrument :
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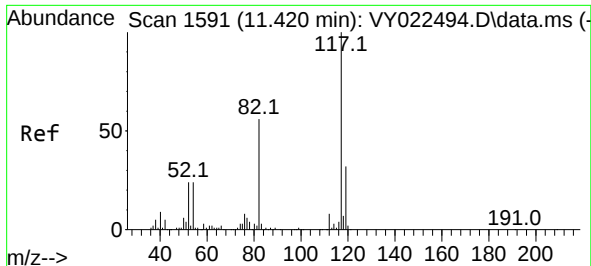
Tgt Ion: 98 Resp: 670796
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.741 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022603.D
Acq: 06 Jun 2025 16:24

Tgt Ion: 95 Resp: 175266
Ion Ratio Lower Upper
95 100
174 85.6 0.0 170.0
176 83.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022603.D

Acq: 06 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-06042025

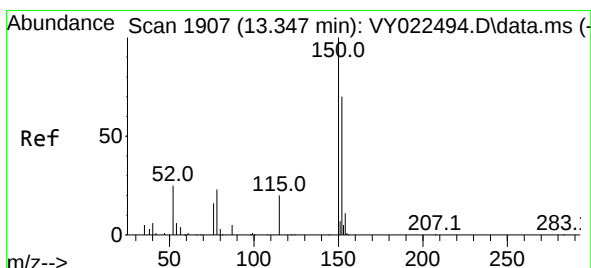
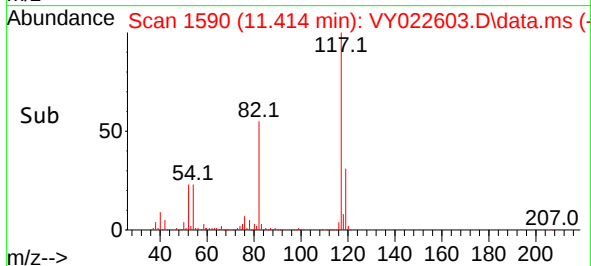
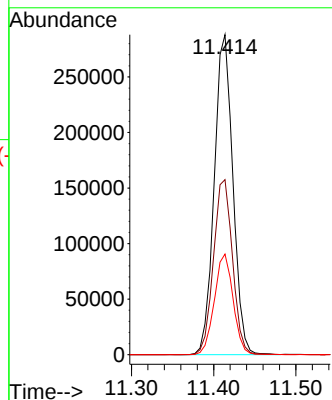
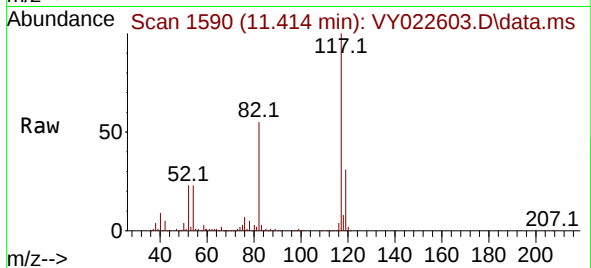
Tgt Ion:117 Resp: 454305

Ion Ratio Lower Upper

117 100

82 54.7 44.6 66.8

119 31.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022603.D

Acq: 06 Jun 2025 16:24

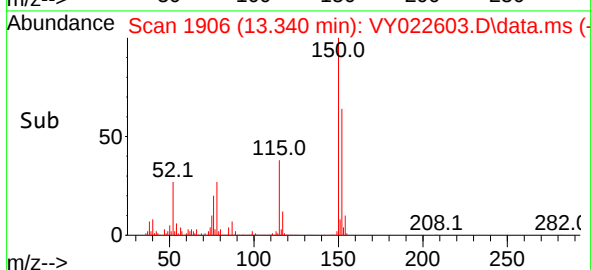
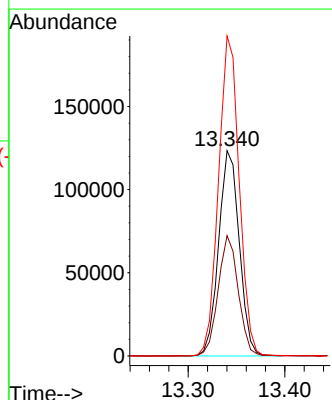
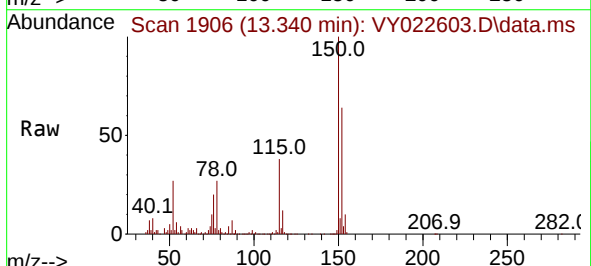
Tgt Ion:152 Resp: 182721

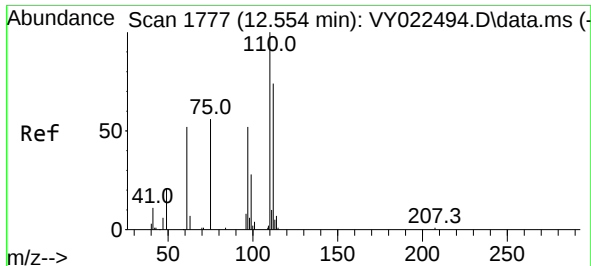
Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

150 156.3 0.0 349.6

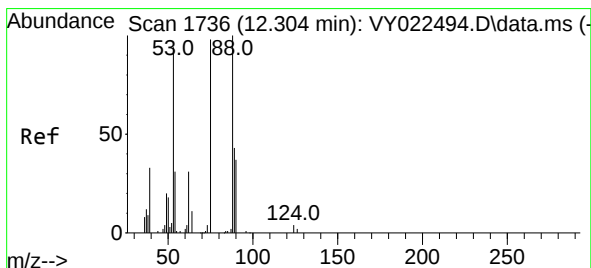
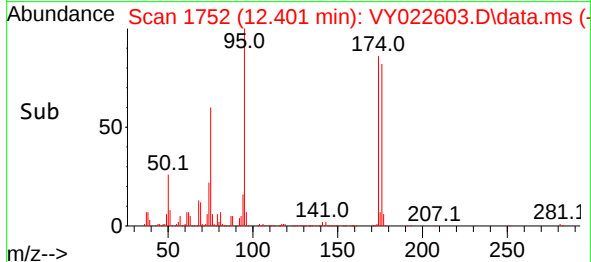
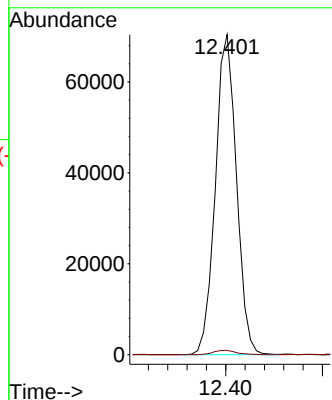
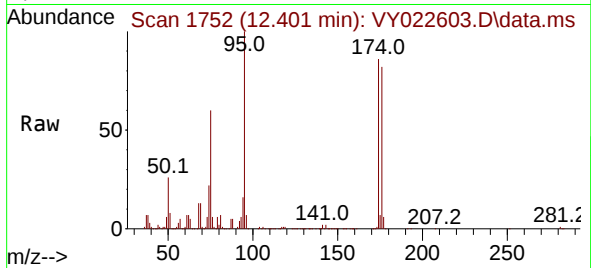




#76
1,2,3-Trichloropropane
Concen: 50.830 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022603.D
Acq: 06 Jun 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-06042025

Tgt Ion: 75 Resp: 106254
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.750 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022603.D
Acq: 06 Jun 2025 16:24

Tgt Ion: 75 Resp: 106254
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.2 35.7 53.5#

