

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022581.D
 Acq On : 05 Jun 2025 17:54
 Operator : SY/MD
 Sample : Q2225-01
 Misc : 6.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-06042025

Quant Time: Jun 06 01:28:05 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)

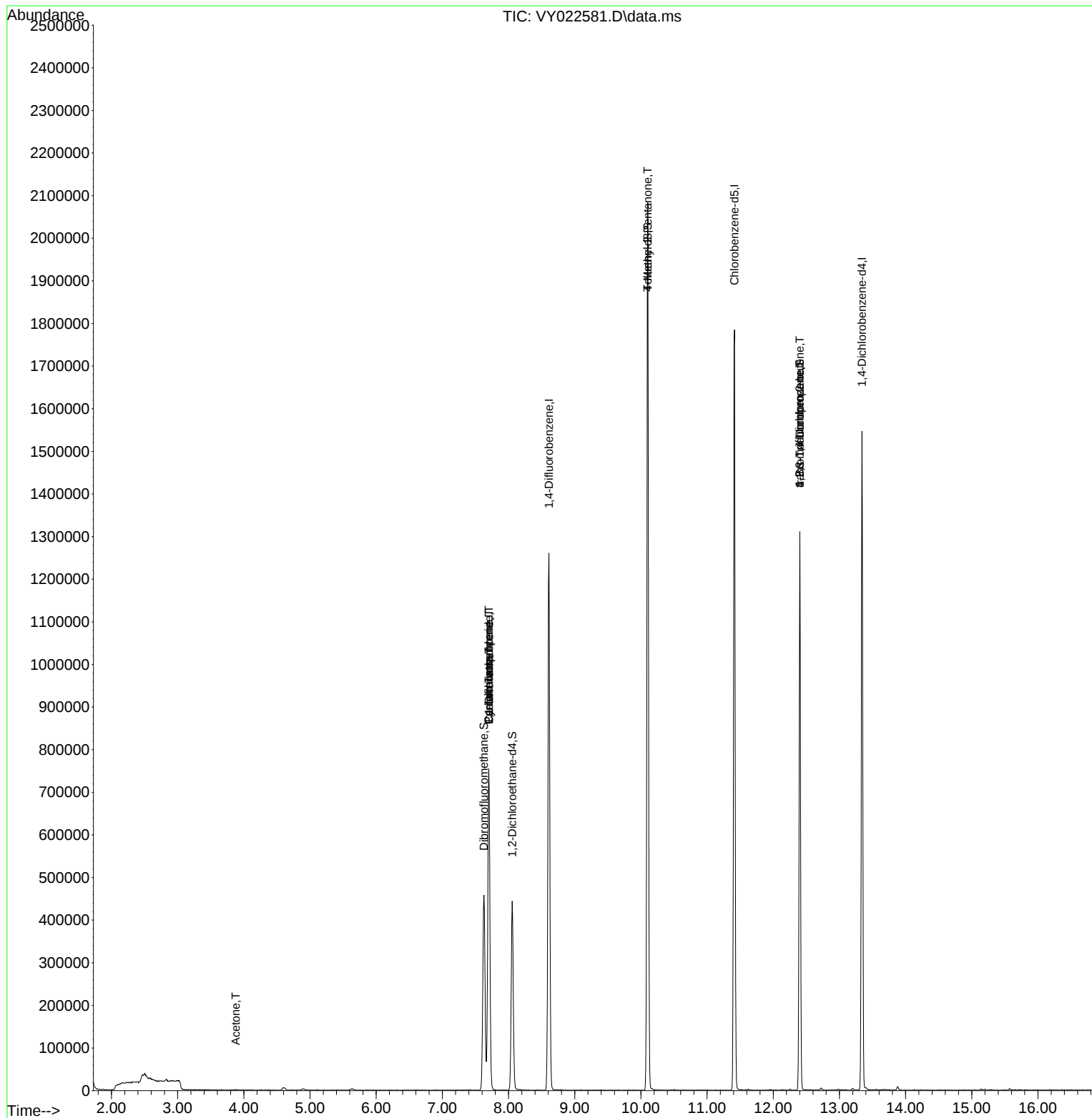
Internal Standards						
1) Pentafluorobenzene	7.701	168	545856	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	1024340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	862274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	343871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	324747	53.193	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.380%	
35) Dibromofluoromethane	7.628	113	309446	50.612	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.220%	
50) Toluene-d8	10.103	98	1265539	51.226	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	12.402	95	336284	45.686	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.380%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1437	1.159	ug/l #	80
31) Cyclohexane	7.701	56	14552	1.240	ug/l #	16
36) 1,1-Dichloropropene	7.701	75	49819	5.020	ug/l #	50
38) Carbon Tetrachloride	7.701	117	55990	5.500	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	6413	1.346	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	200488	50.963	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	200488	123.072	ug/l #	10

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

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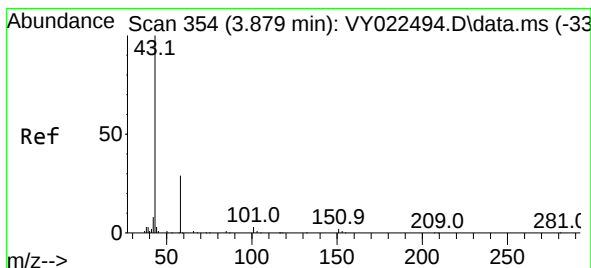
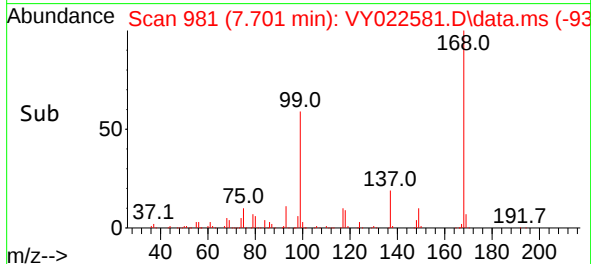
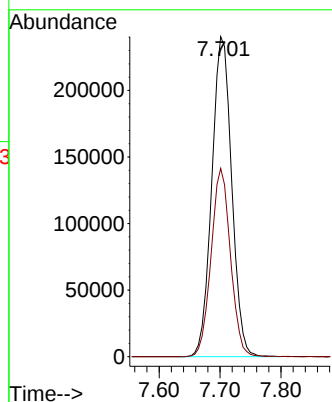
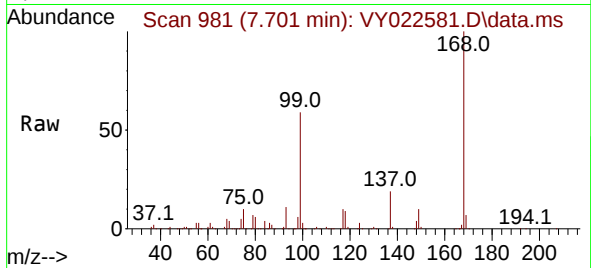




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

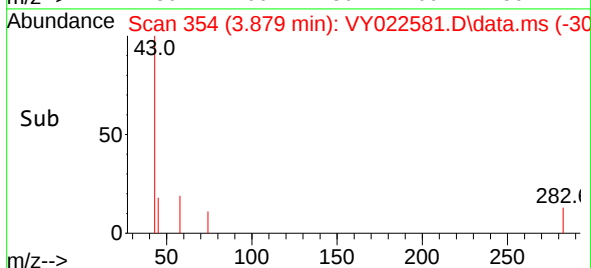
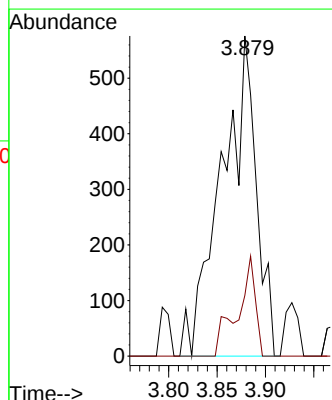
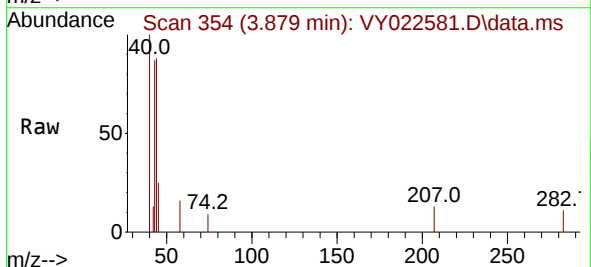
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-06042025

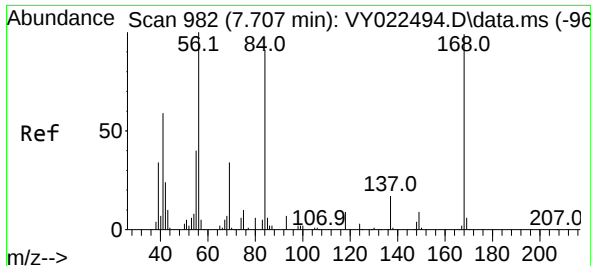
Tgt Ion:168 Resp: 545856
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5



#16
Acetone
Concen: 1.159 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
58 18.9 24.0 36.0#

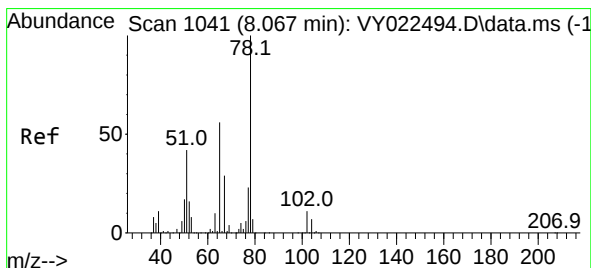
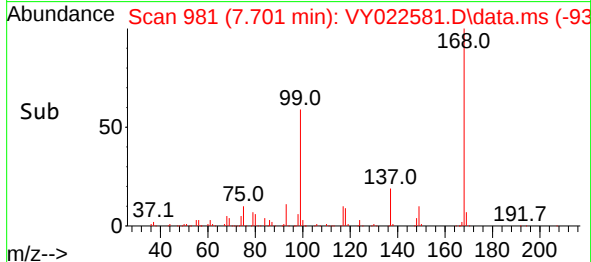
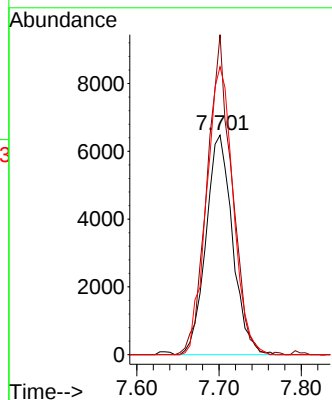
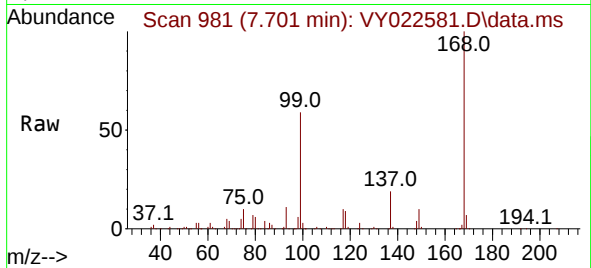




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

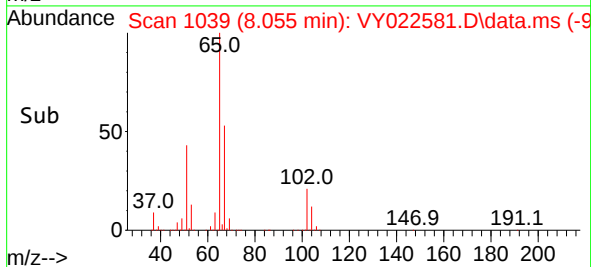
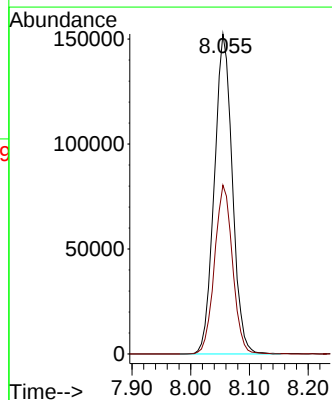
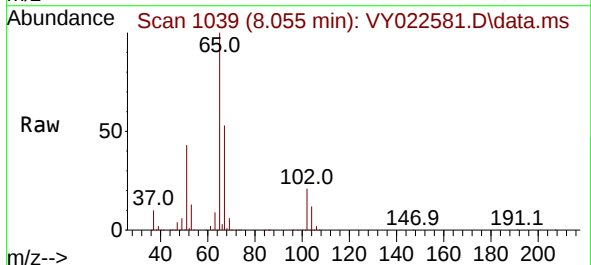
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-06042025

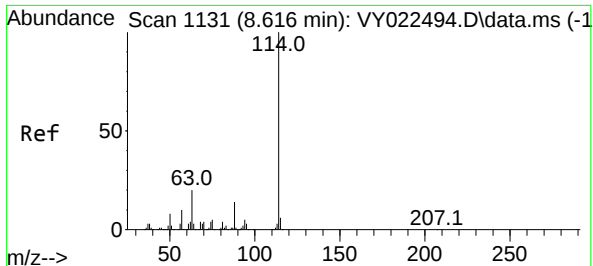
Tgt Ion: 56 Resp: 14552
Ion Ratio Lower Upper
56 100
69 145.0 27.0 40.6#
84 131.2 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.193 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

Tgt Ion: 65 Resp: 324747
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022581.D

Acq: 05 Jun 2025 17:54

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-06042025

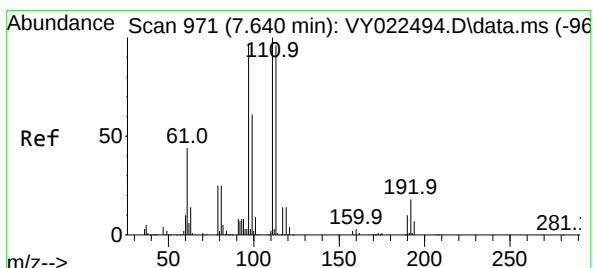
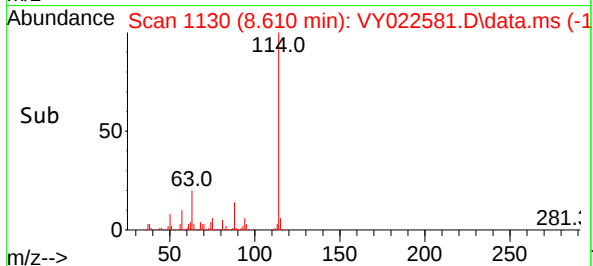
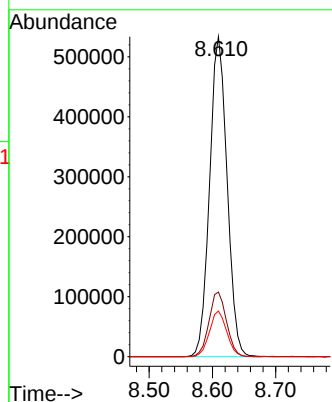
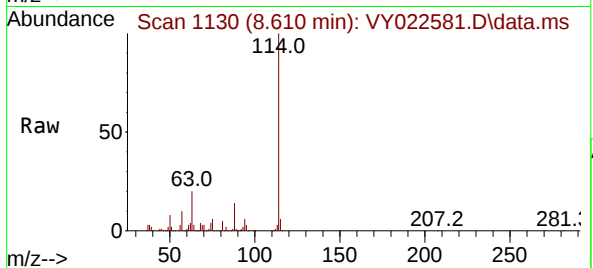
Tgt Ion:114 Resp: 1024340

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.612 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022581.D

Acq: 05 Jun 2025 17:54

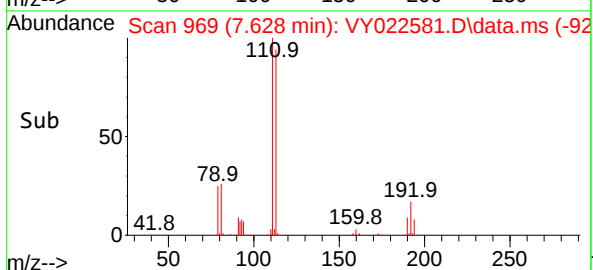
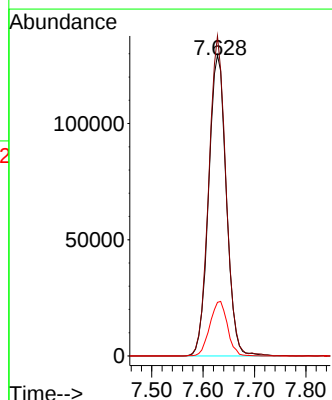
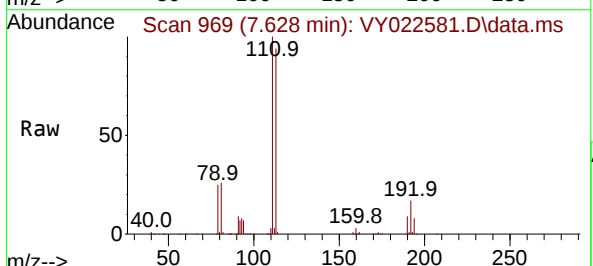
Tgt Ion:113 Resp: 309446

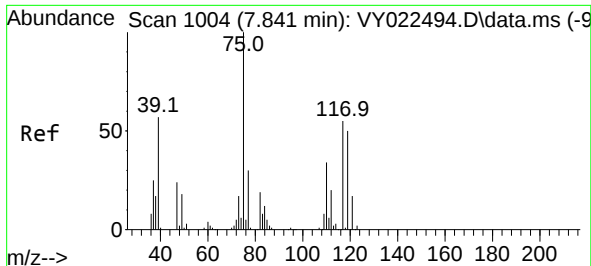
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 18.1 14.2 21.2

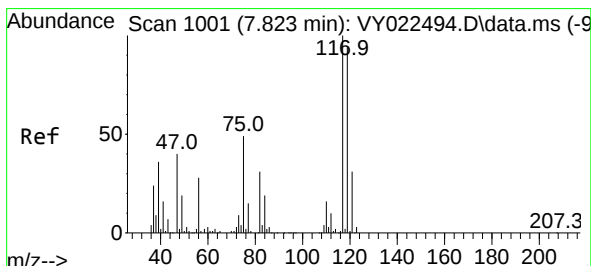
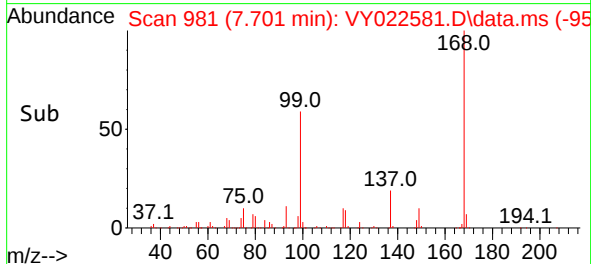
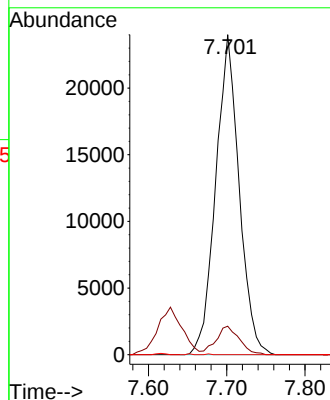
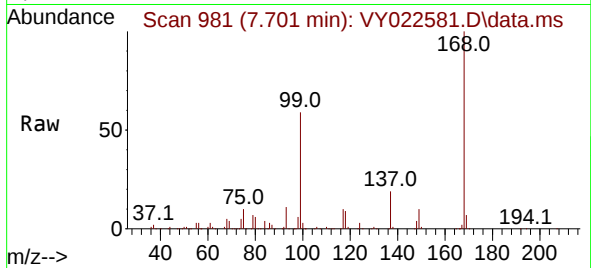




#36
1,1-Dichloropropene
Concen: 5.020 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

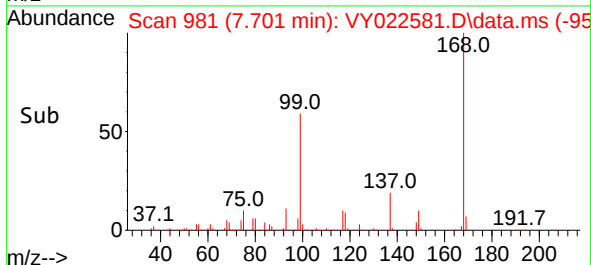
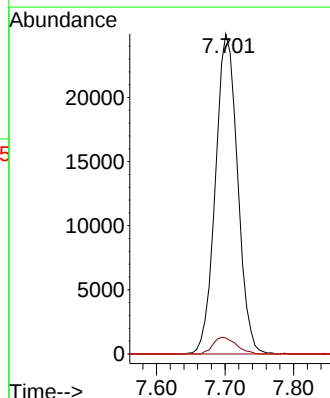
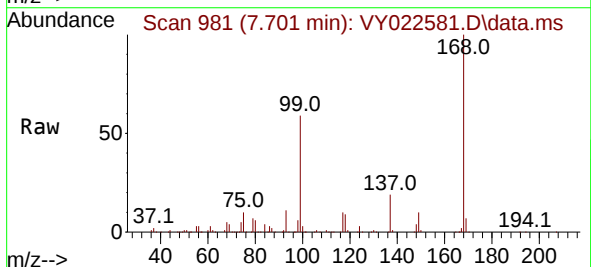
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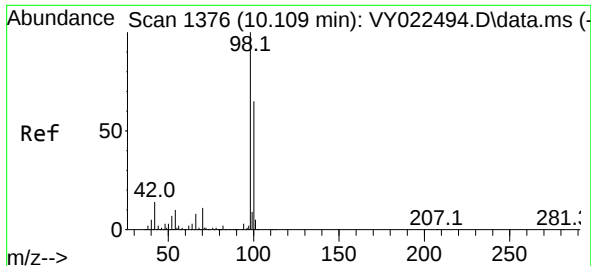
Tgt Ion: 75 Resp: 49819
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.500 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

Tgt Ion: 117 Resp: 55990
Ion Ratio Lower Upper
117 100
119 5.0 75.0 112.6#
121 0.0 25.0 37.4#

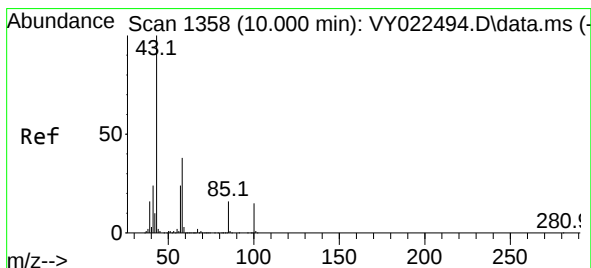
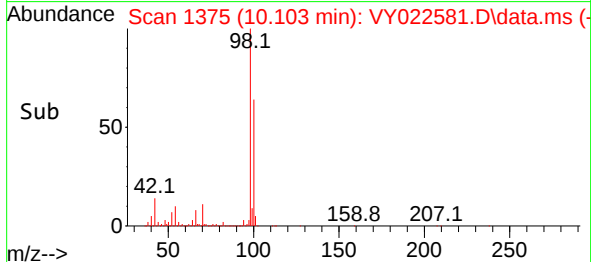
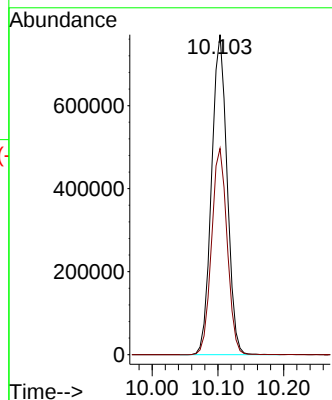
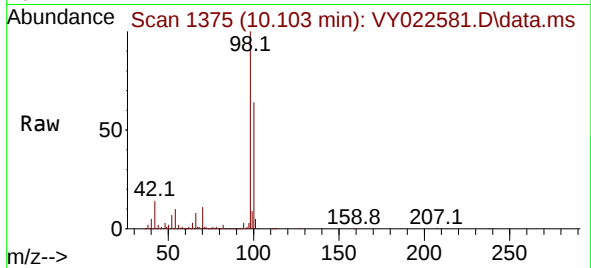




#50
Toluene-d8
Concen: 51.226 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

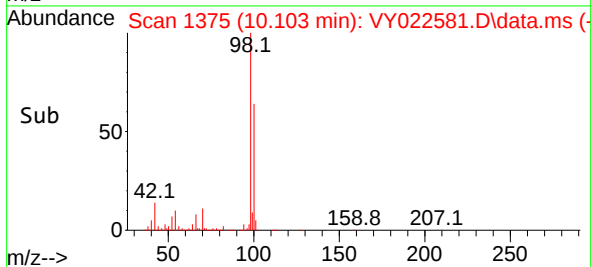
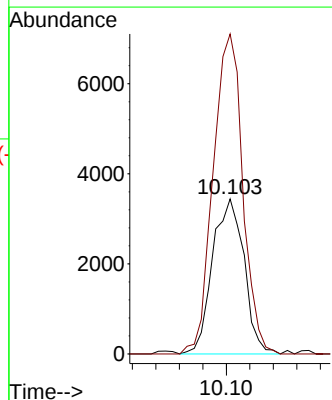
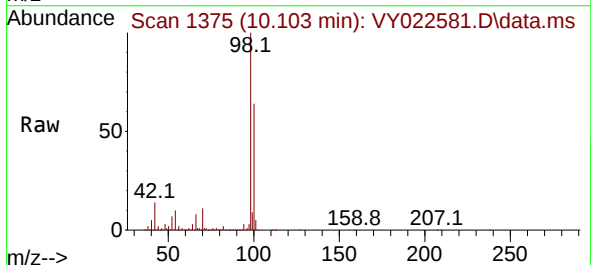
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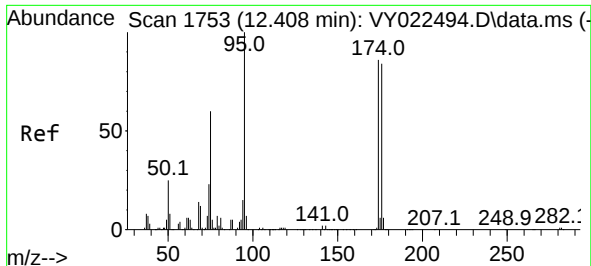
Tgt Ion: 98 Resp: 1265539
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.346 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

Tgt Ion: 43 Resp: 6413
Ion Ratio Lower Upper
43 100
58 193.8 30.4 45.6#

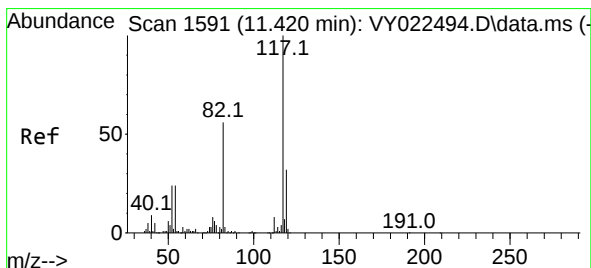
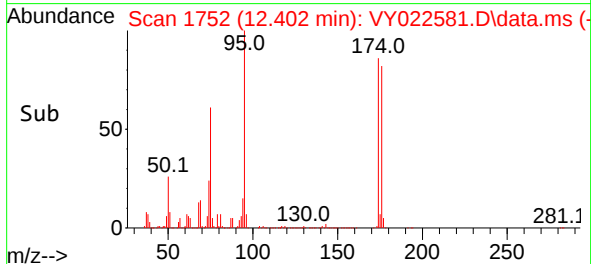
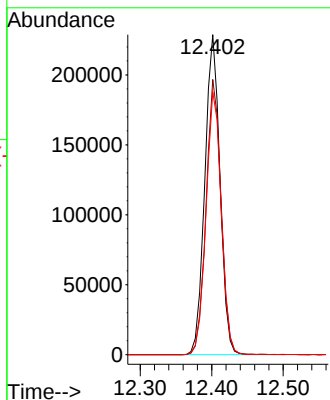
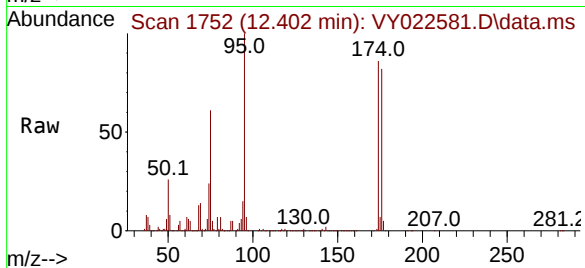




#62
4-Bromofluorobenzene
Concen: 45.686 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

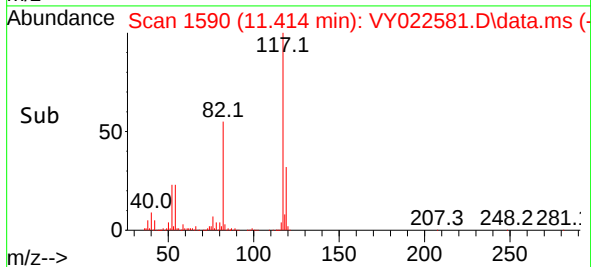
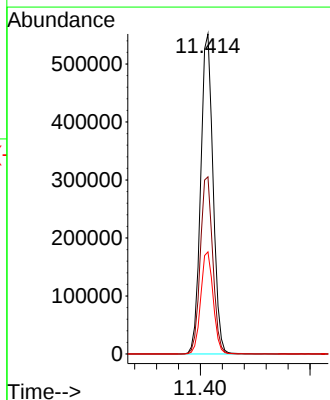
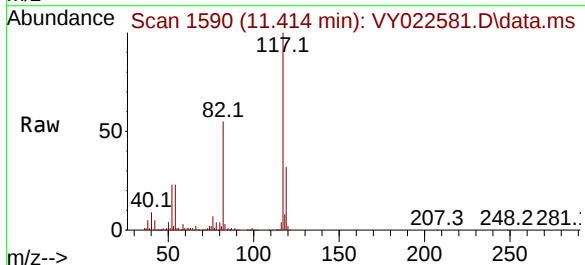
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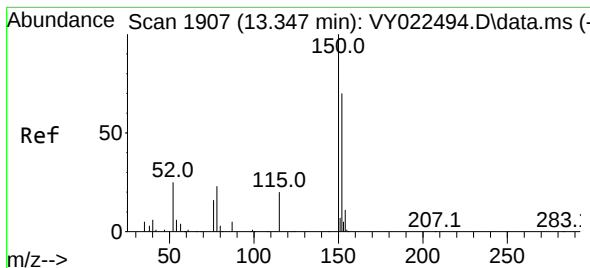
Tgt Ion: 95 Resp: 336284
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 82.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022581.D
Acq: 05 Jun 2025 17:54

Tgt Ion: 117 Resp: 862274
Ion Ratio Lower Upper
117 100
82 55.4 44.6 66.8
119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022581.D

Acq: 05 Jun 2025 17:54

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-06042025

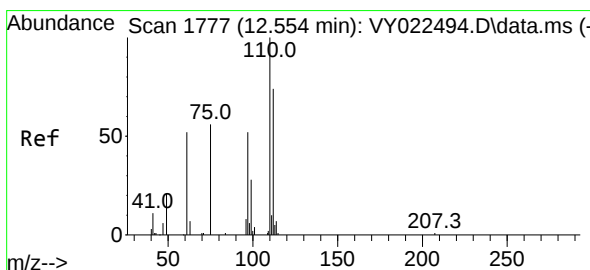
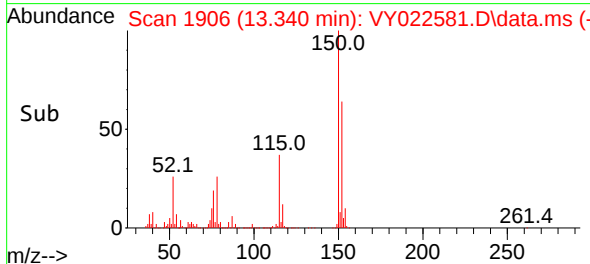
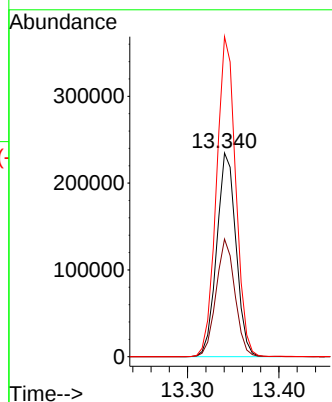
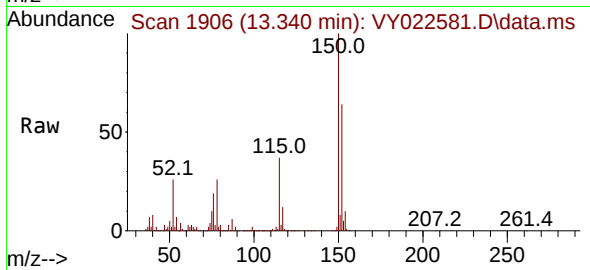
Tgt Ion:152 Resp: 343871

Ion Ratio Lower Upper

152 100

115 56.6 28.9 86.7

150 156.7 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 50.963 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022581.D

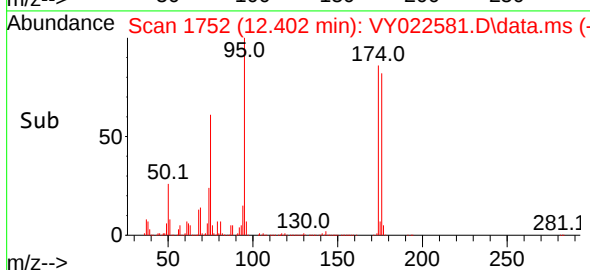
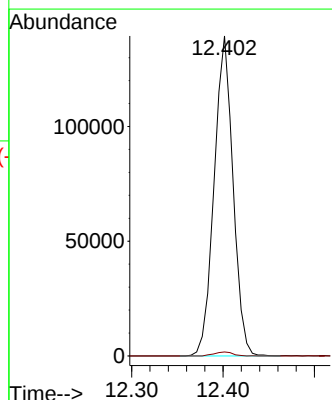
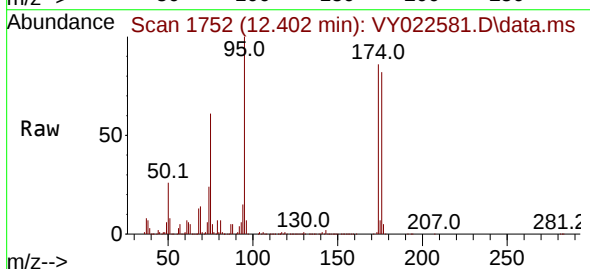
Acq: 05 Jun 2025 17:54

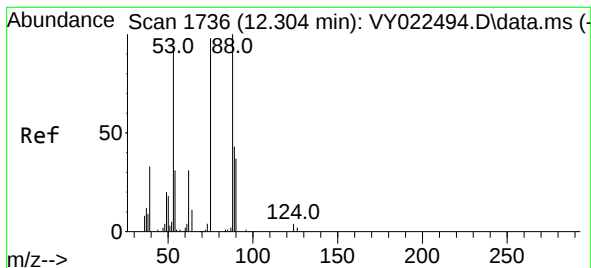
Tgt Ion: 75 Resp: 200488

Ion Ratio Lower Upper

75 100

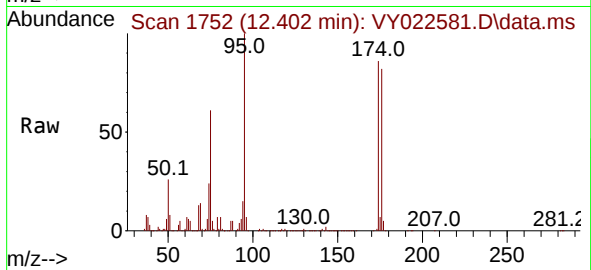
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.072 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022581.D
 Acq: 05 Jun 2025 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-06042025



Tgt Ion: 75 Resp: 200488
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

