

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022861.D
 Acq On : 27 Jun 2025 14:56
 Operator : SY/MD
 Sample : Q2436-06
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-83

Quant Time: Jun 27 23:18:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

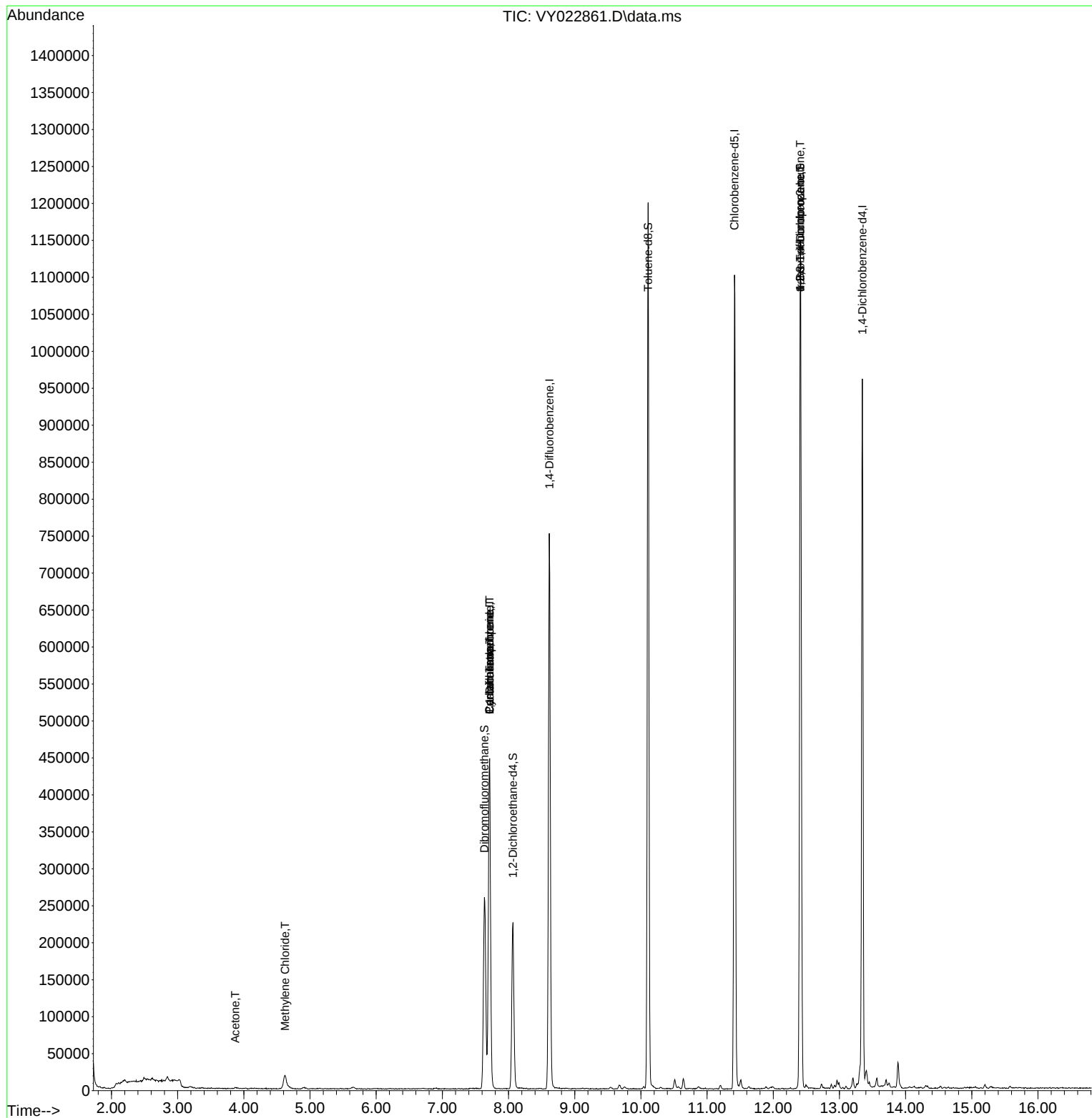
Internal Standards						
1) Pentafluorobenzene	7.713	168	337210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	630445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	584339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	232255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	175030	46.506	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.020%
35) Dibromofluoromethane	7.634	113	190715	49.742	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.480%
50) Toluene-d8	10.109	98	754544	49.595	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.407	95	248009	50.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.420%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	2354	3.309	ug/l	93
20) Methylene Chloride	4.622	84	12865	2.864	ug/l	90
31) Cyclohexane	7.713	56	8787	1.359	ug/l #	8
36) 1,1-Dichloropropene	7.713	75	28623	4.925	ug/l #	51
38) Carbon Tetrachloride	7.713	117	34710	5.661	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	145020	61.161	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	145020	154.516	ug/l #	11

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

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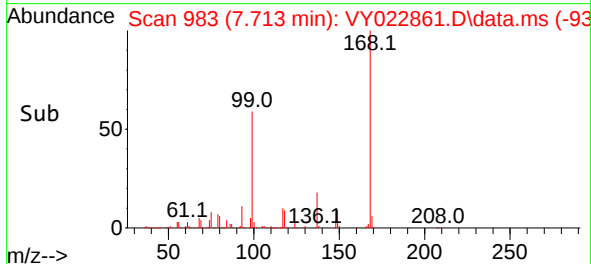
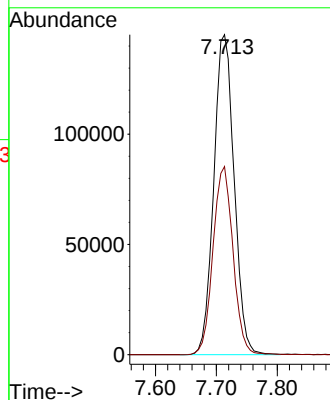
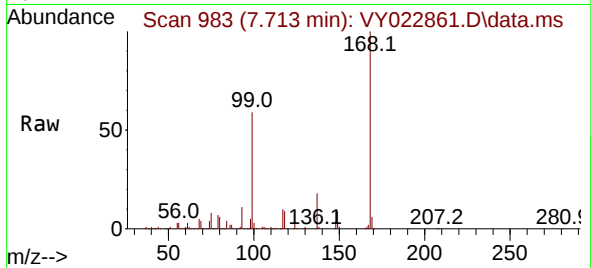




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022861.D
Acq: 27 Jun 2025 14:56

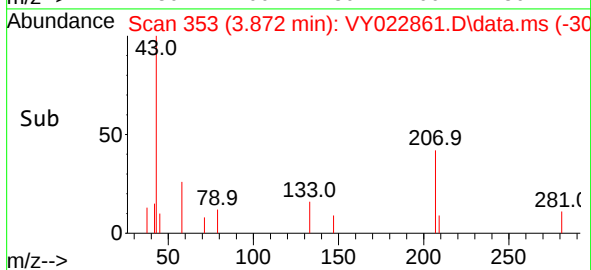
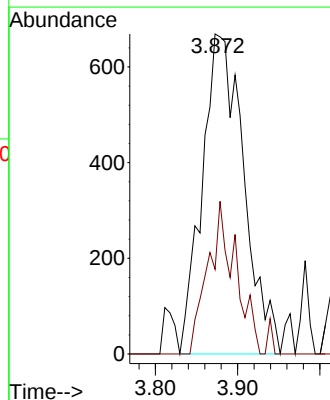
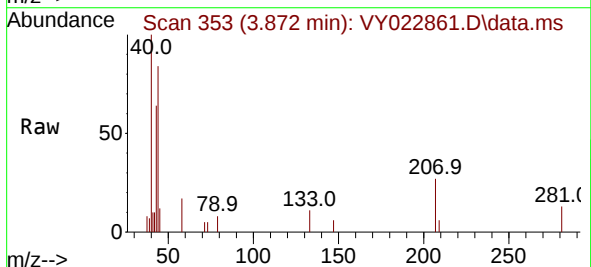
Instrument :
MSVOA_Y
ClientSampleId :
TP-83

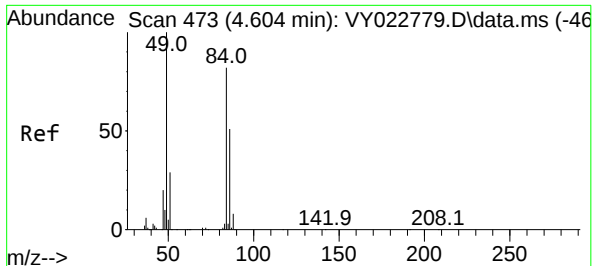
Tgt Ion:168 Resp: 337210
Ion Ratio Lower Upper
168 100
99 58.8 44.3 66.5



#16
Acetone
Concen: 3.309 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022861.D
Acq: 27 Jun 2025 14:56

Tgt Ion: 43 Resp: 2354
Ion Ratio Lower Upper
43 100
58 26.5 24.0 36.0





#20

Methylene Chloride

Concen: 2.864 ug/l

RT: 4.622 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY022861.D

Acq: 27 Jun 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-83

Tgt Ion: 84 Resp: 12865

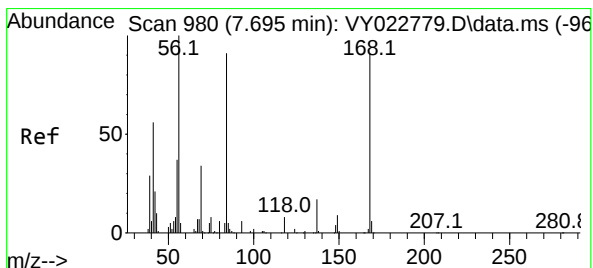
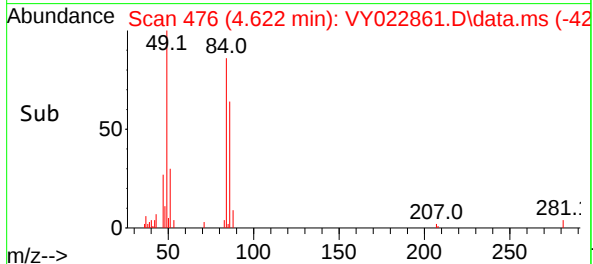
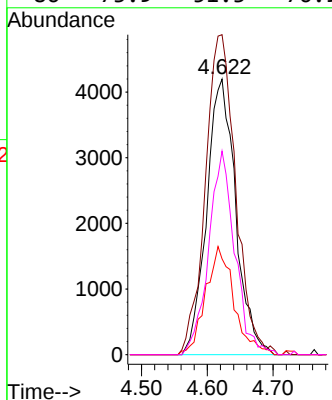
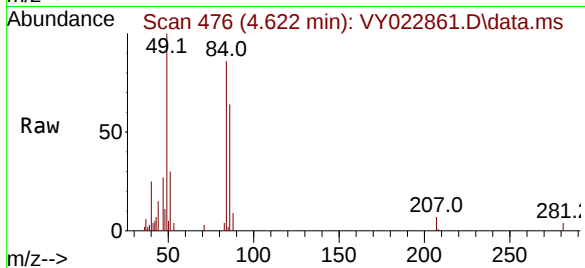
Ion Ratio Lower Upper

84 100

49 116.1 101.9 152.9

51 34.8 29.8 44.8

86 73.9 51.3 76.9



#31

Cyclohexane

Concen: 1.359 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY022861.D

Acq: 27 Jun 2025 14:56

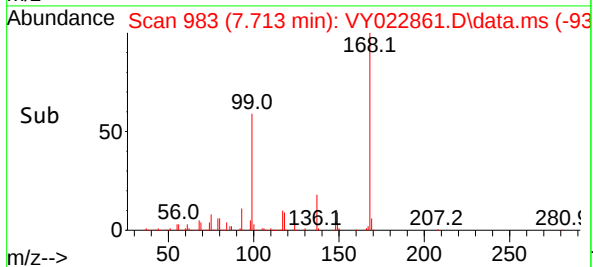
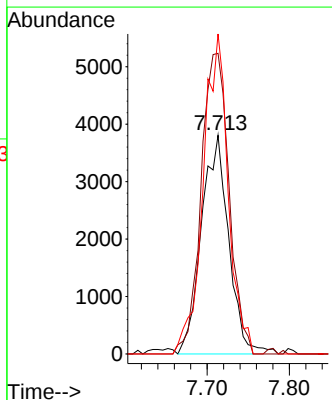
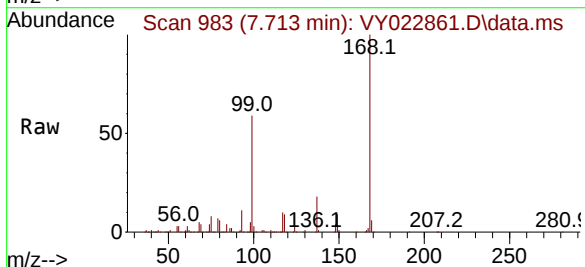
Tgt Ion: 56 Resp: 8787

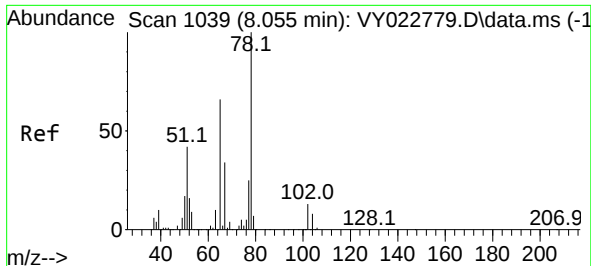
Ion Ratio Lower Upper

56 100

69 137.5 27.0 40.6#

84 146.3 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 46.506 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022861.D

Acq: 27 Jun 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

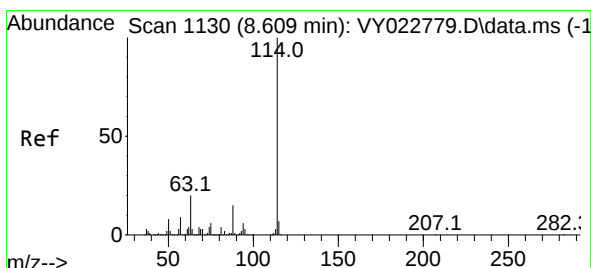
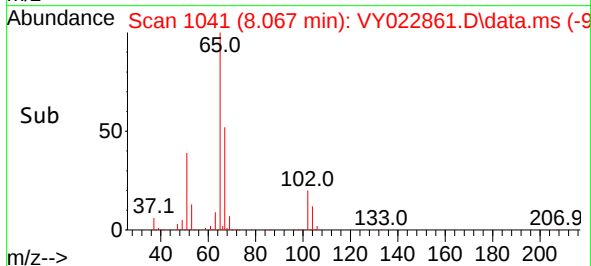
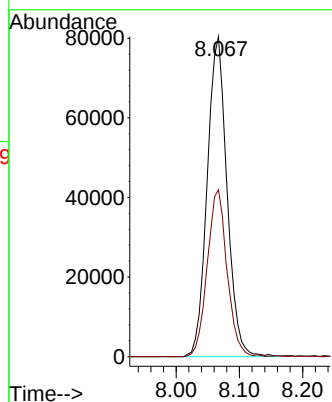
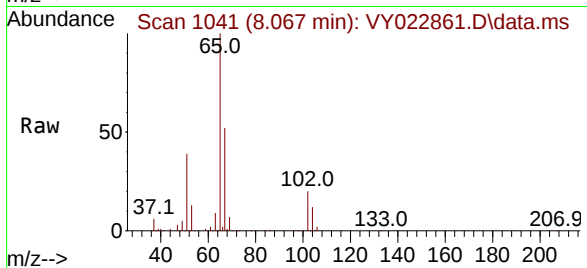
TP-83

Tgt Ion: 65 Resp: 175030

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022861.D

Acq: 27 Jun 2025 14:56

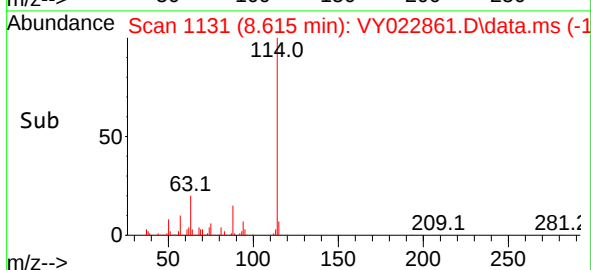
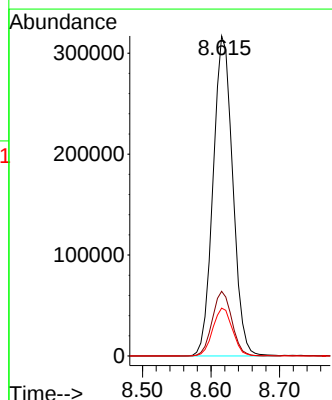
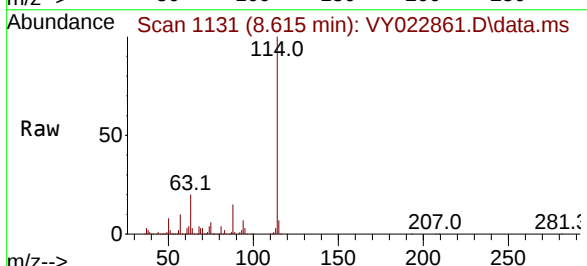
Tgt Ion:114 Resp: 630445

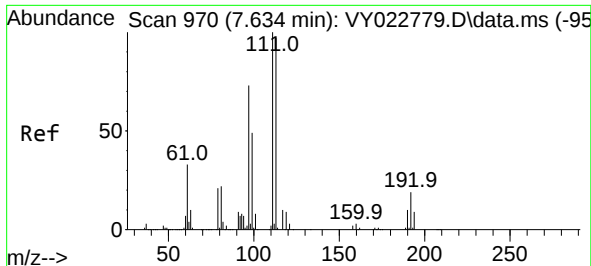
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.9 0.0 27.8

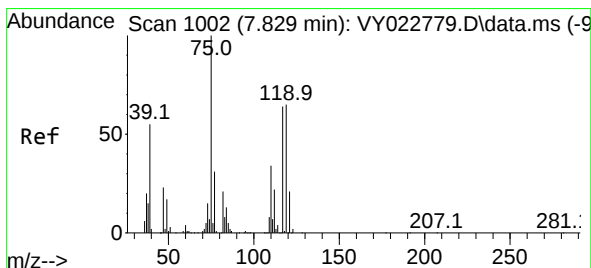
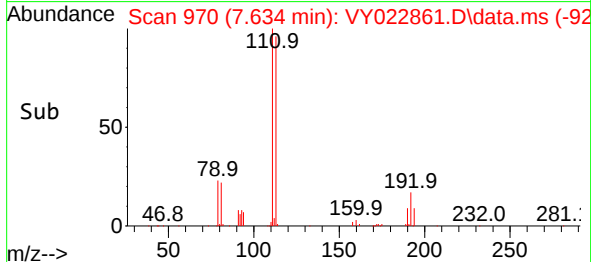
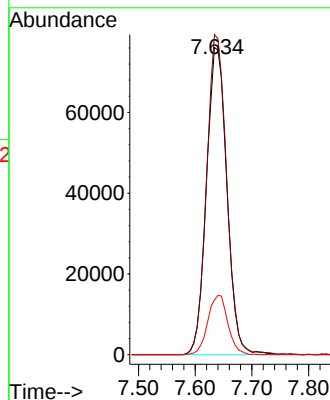
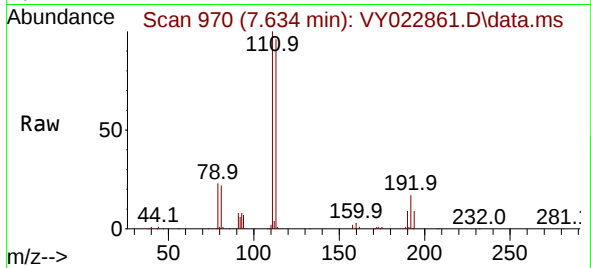




#35
Dibromofluoromethane
Concen: 49.742 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022861.D
Acq: 27 Jun 2025 14:56

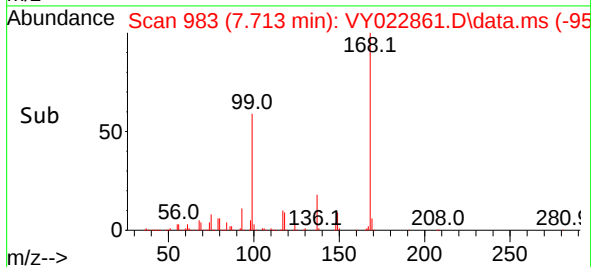
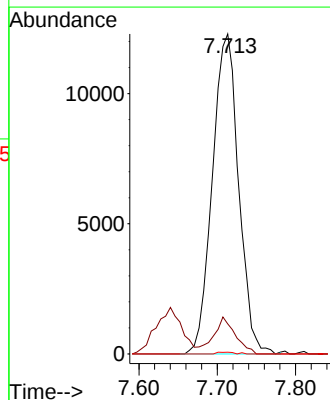
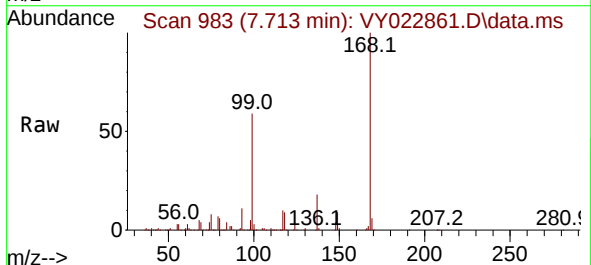
Instrument :
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ClientSampleId :
TP-83

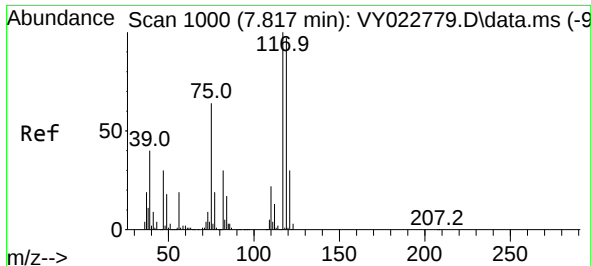
Tgt Ion:113 Resp: 190715
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 18.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022861.D
Acq: 27 Jun 2025 14:56

Tgt Ion: 75 Resp: 28623
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.4 24.8 37.2#

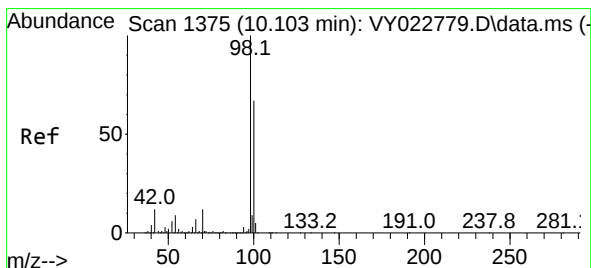
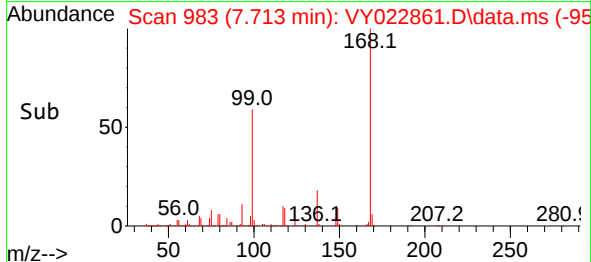
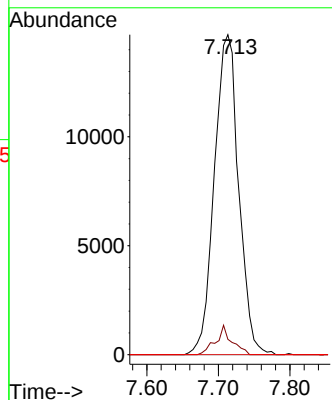
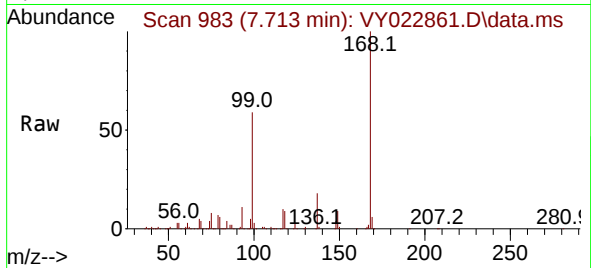




#38
Carbon Tetrachloride
Concen: 5.661 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022861.D
Acq: 27 Jun 2025 14:56

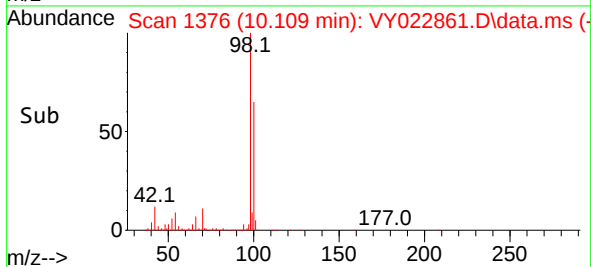
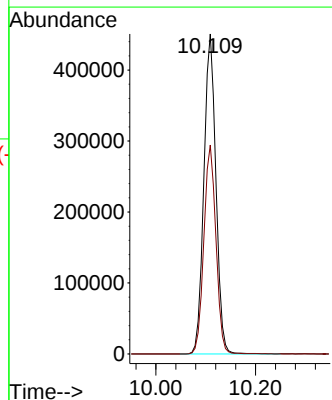
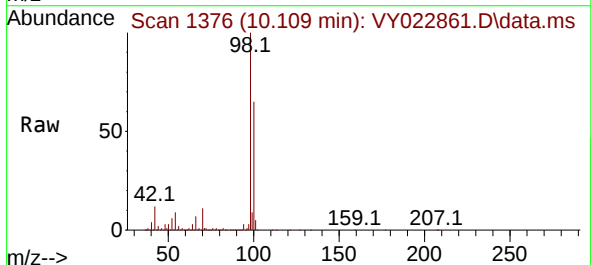
Instrument :
MSVOA_Y
ClientSampleId :
TP-83

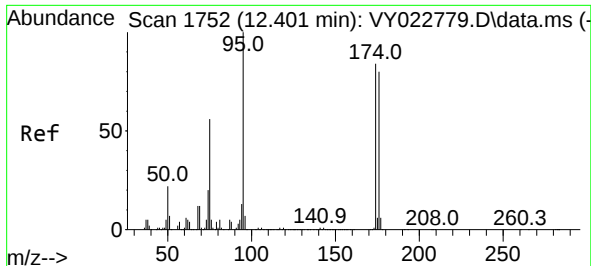
Tgt Ion:117 Resp: 34710
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.595 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022861.D
Acq: 27 Jun 2025 14:56

Tgt Ion: 98 Resp: 754544
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0

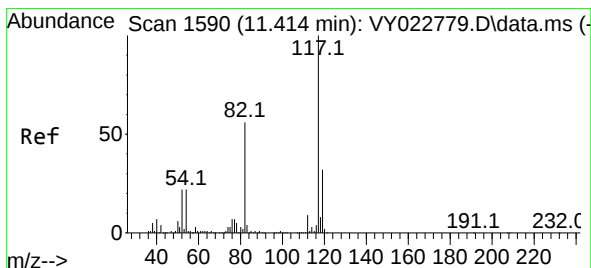
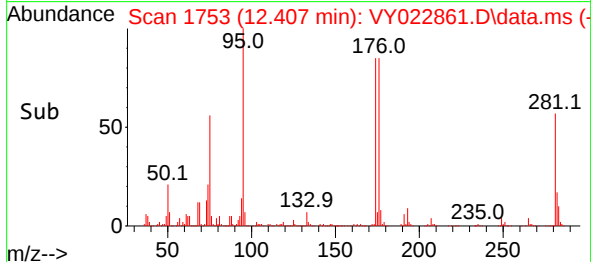
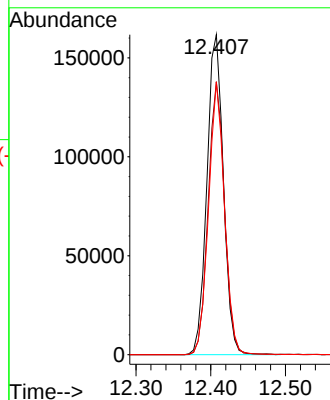
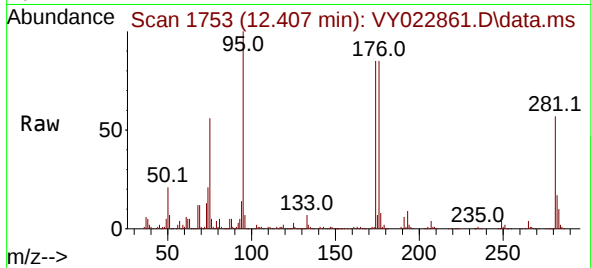




#62
4-Bromofluorobenzene
Concen: 50.709 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022861.D
Acq: 27 Jun 2025 14:56

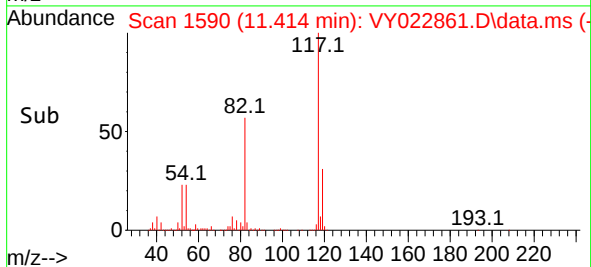
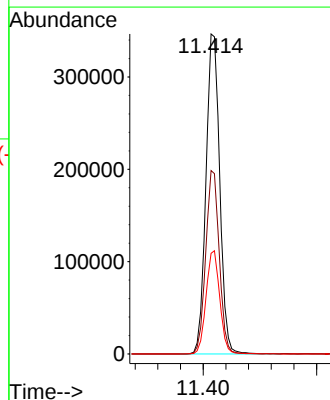
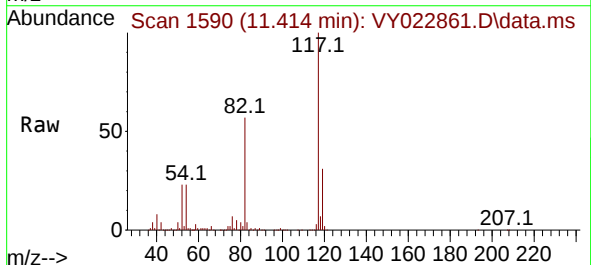
Instrument :
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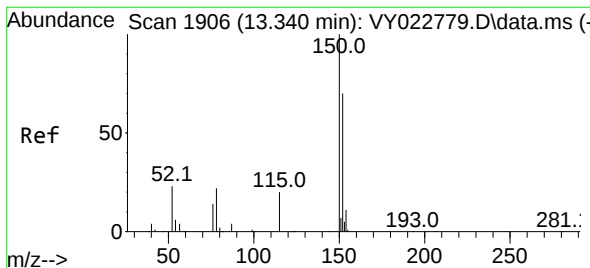
Tgt Ion: 95 Resp: 248009
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.0
176 82.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022861.D
Acq: 27 Jun 2025 14:56

Tgt Ion: 117 Resp: 584339
Ion Ratio Lower Upper
117 100
82 57.3 44.6 66.8
119 31.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022861.D

Acq: 27 Jun 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-83

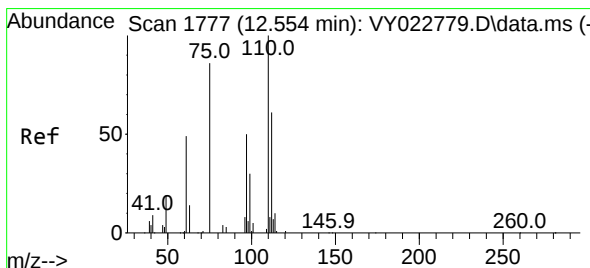
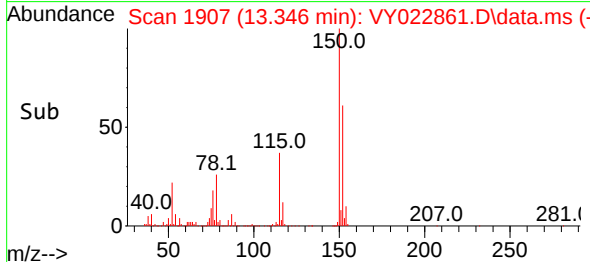
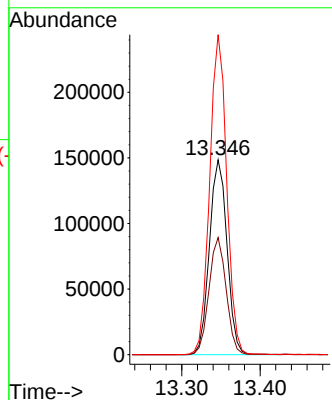
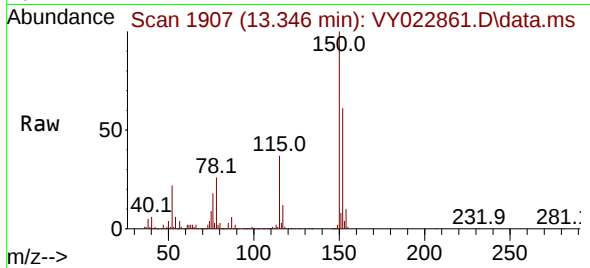
Tgt Ion:152 Resp: 232255

Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 158.4 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 61.161 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022861.D

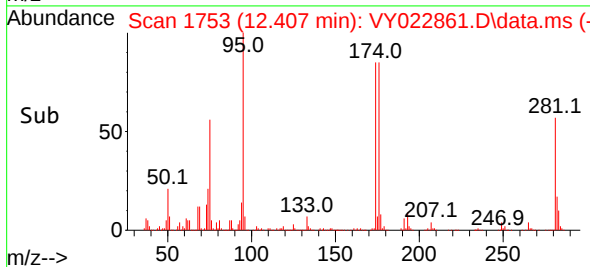
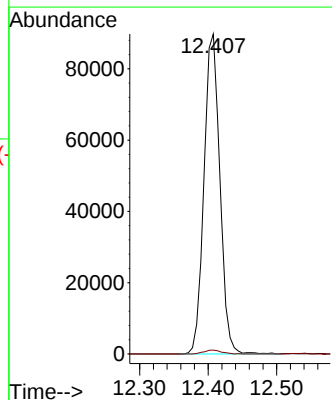
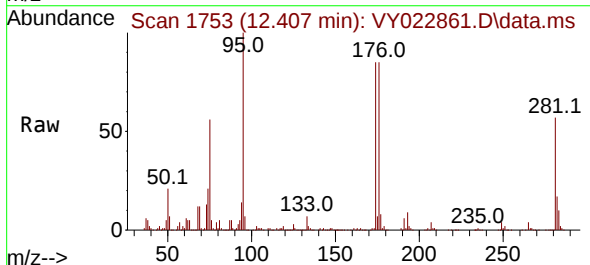
Acq: 27 Jun 2025 14:56

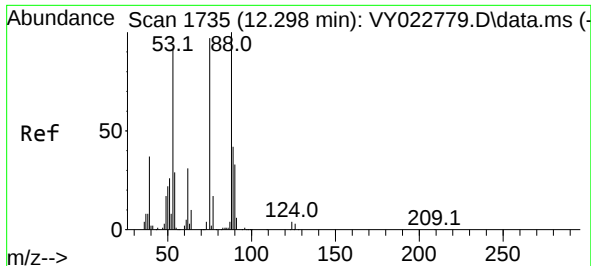
Tgt Ion: 75 Resp: 145020

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 154.516 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022861.D
Acq: 27 Jun 2025 14:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-83

Tgt Ion: 75 Resp: 145020
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 1.0 35.7 53.5#

