

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022647.D
 Acq On : 10 Jun 2025 13:56
 Operator : SY/MD
 Sample : Q2259-01
 Misc : 4.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-36-060525

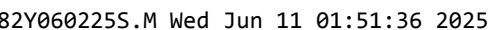
Quant Time: Jun 11 01:51:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

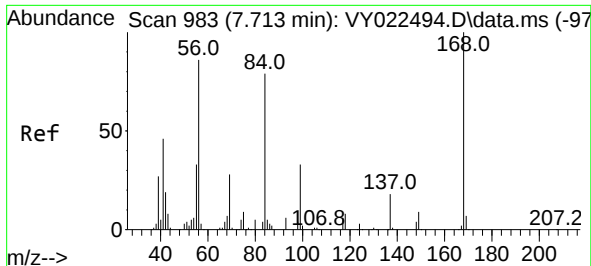
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	226891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	430118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	337782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124313	48.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.980%
35) Dibromofluoromethane	7.634	113	125182	48.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.520%
50) Toluene-d8	10.109	98	511879	49.345	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.680%
62) 4-Bromofluorobenzene	12.402	95	121940	39.453	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.900%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.707	56	6633	1.360	ug/l #	48
36) 1,1-Dichloropropene	7.713	75	21184	5.084	ug/l #	50
38) Carbon Tetrachloride	7.713	117	24563	5.746	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	74025	54.187	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	74025	130.858	ug/l #	11

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

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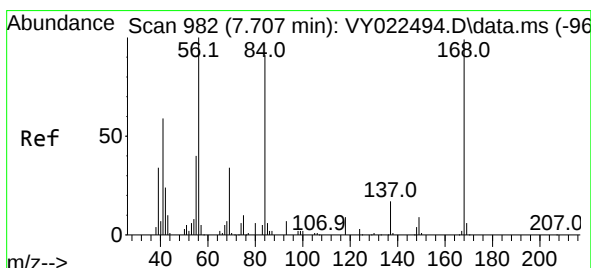
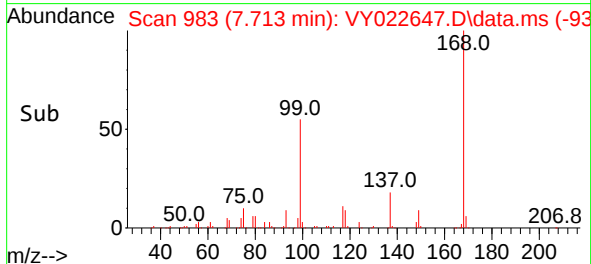
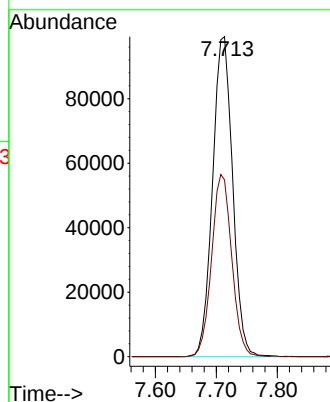
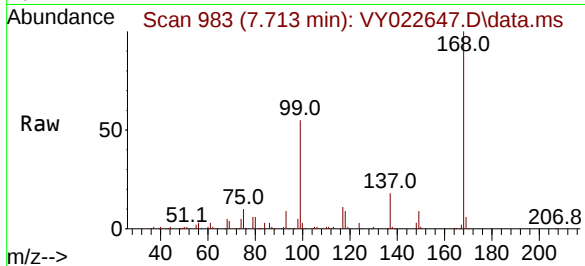




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

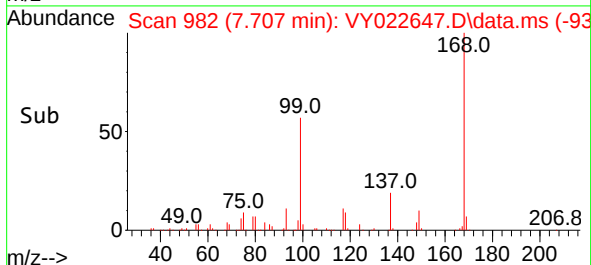
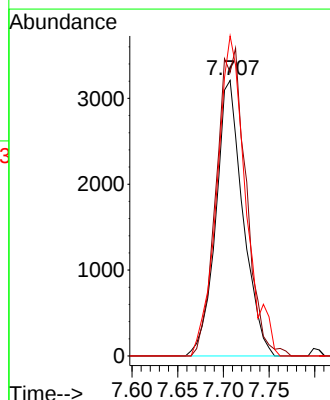
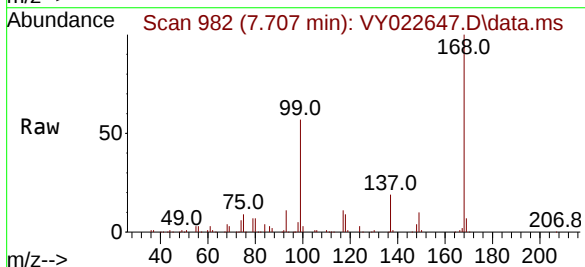
Instrument :
MSVOA_Y
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OU4-PCS-TC-36-060525

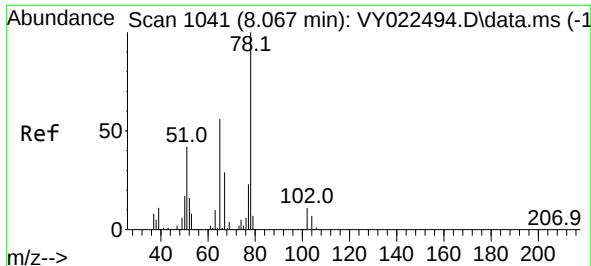
Tgt Ion:168 Resp: 226891
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion: 56 Resp: 6633
Ion Ratio Lower Upper
56 100
69 103.0 27.0 40.6#
84 116.1 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.987 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022647.D

Acq: 10 Jun 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

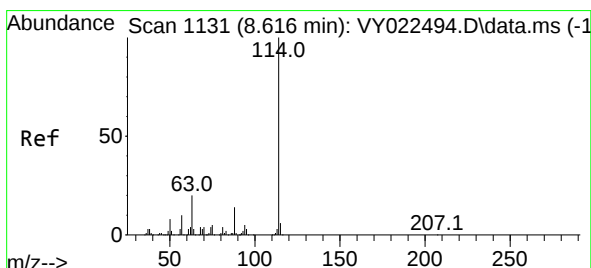
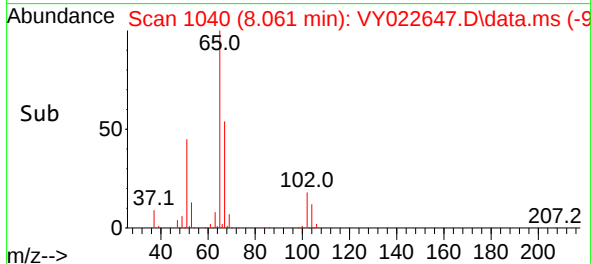
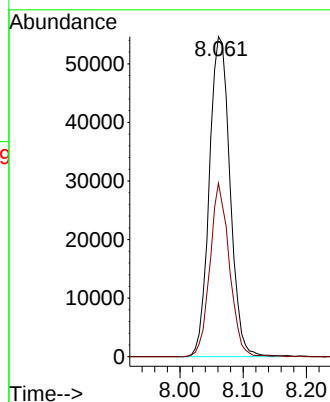
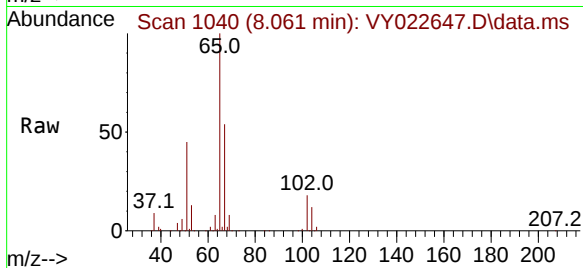
OU4-PCS-TC-36-060525

Tgt Ion: 65 Resp: 124313

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022647.D

Acq: 10 Jun 2025 13:56

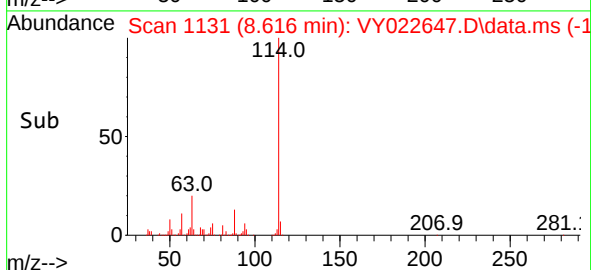
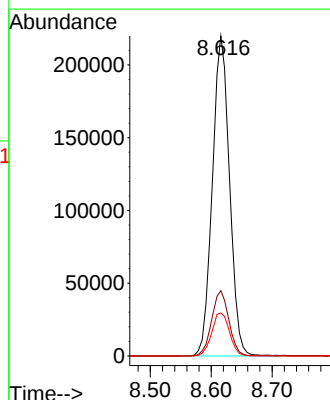
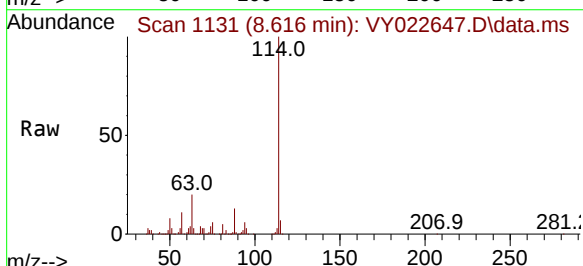
Tgt Ion: 114 Resp: 430118

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 13.4 0.0 27.8

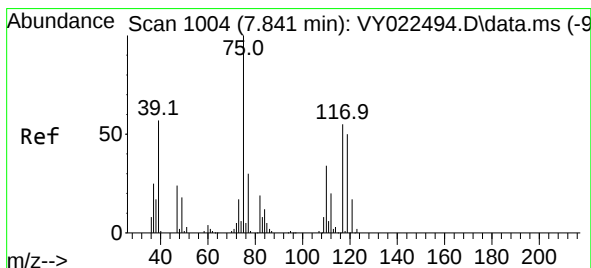
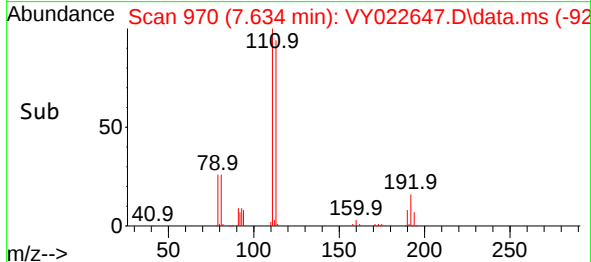
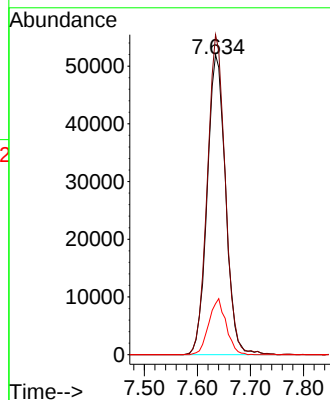
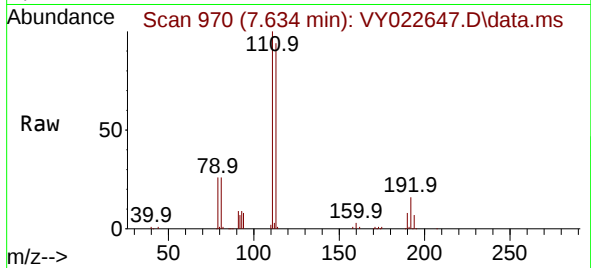




#35
Dibromofluoromethane
Concen: 48.760 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

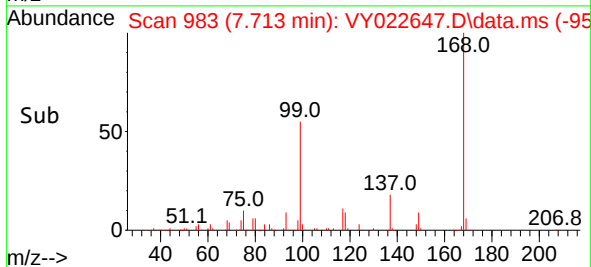
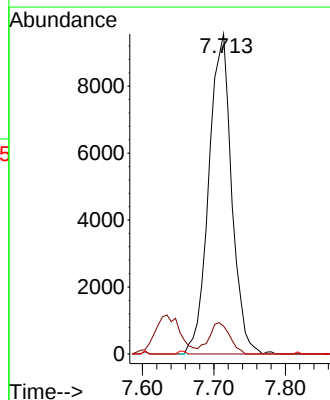
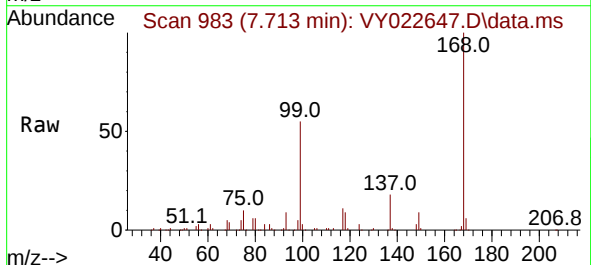
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

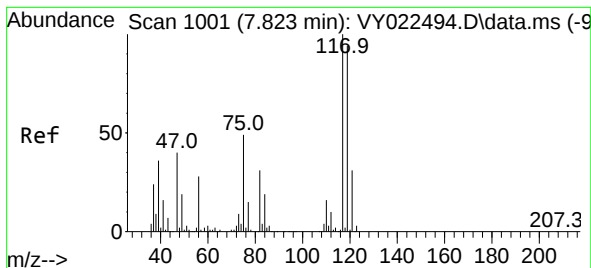
Tgt Ion:113 Resp: 125182
Ion Ratio Lower Upper
113 100
111 104.3 81.1 121.7
192 17.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.084 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion: 75 Resp: 21184
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.746 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022647.D

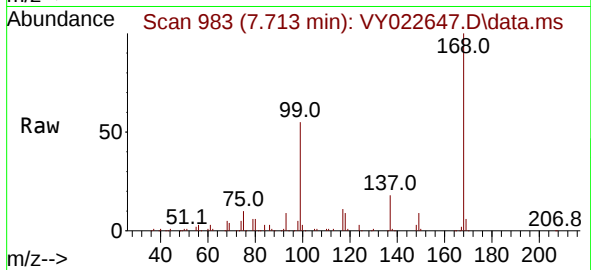
Acq: 10 Jun 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-36-060525



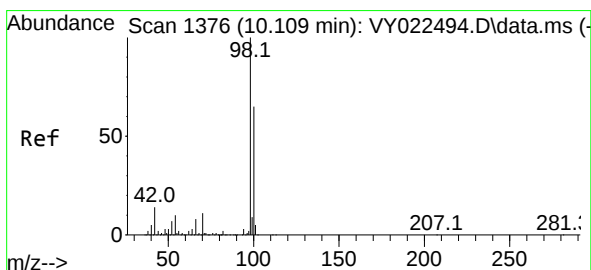
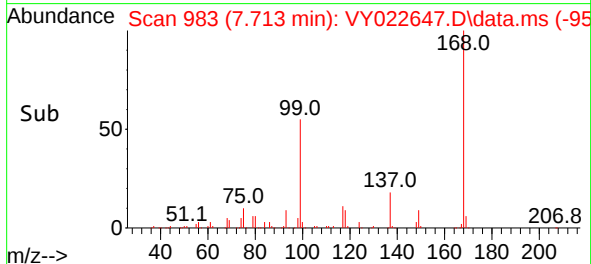
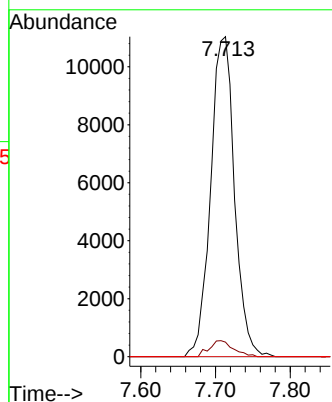
Tgt Ion:117 Resp: 24563

Ion Ratio Lower Upper

117 100

119 4.6 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.345 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022647.D

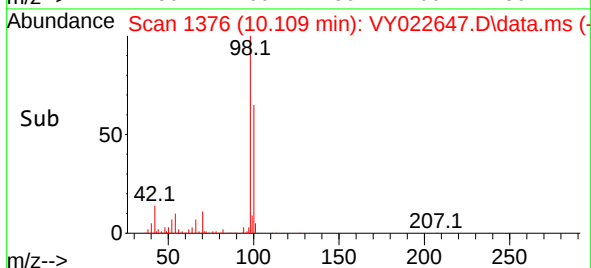
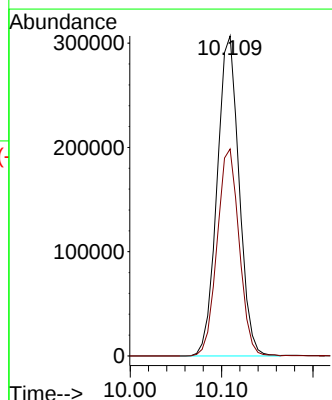
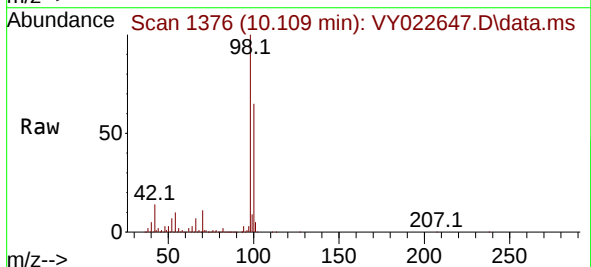
Acq: 10 Jun 2025 13:56

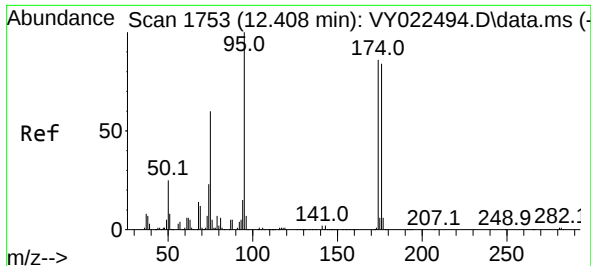
Tgt Ion: 98 Resp: 511879

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

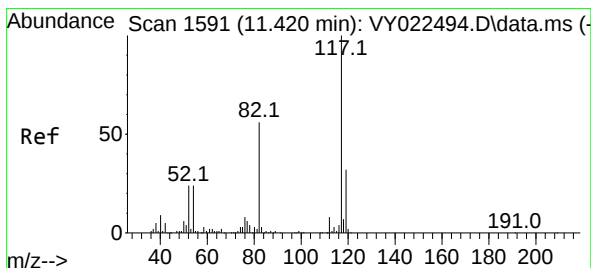
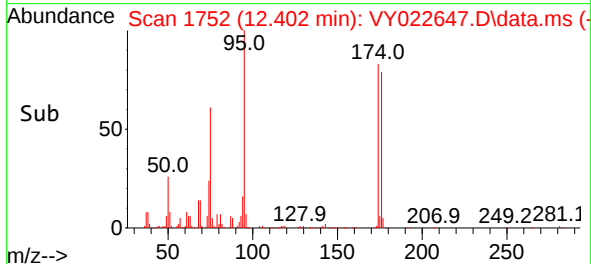
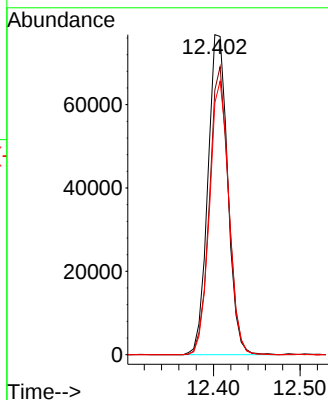
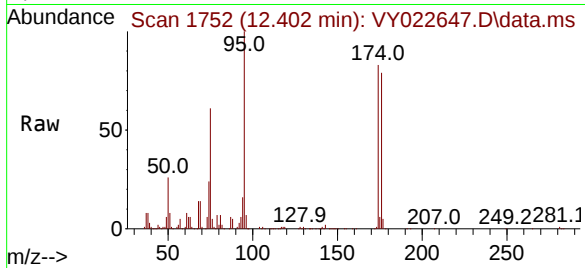




#62
4-Bromofluorobenzene
Concen: 39.453 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

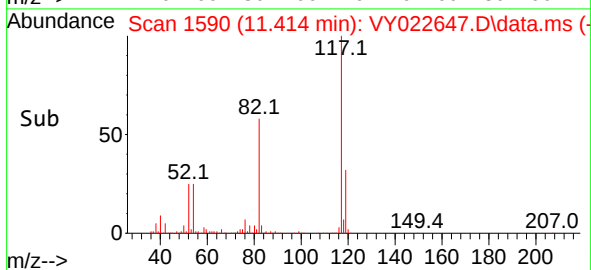
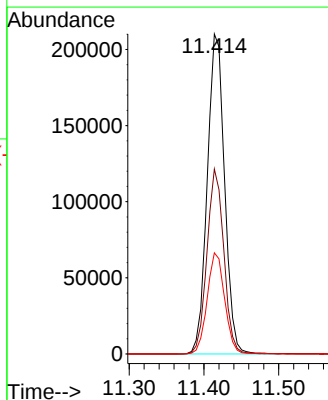
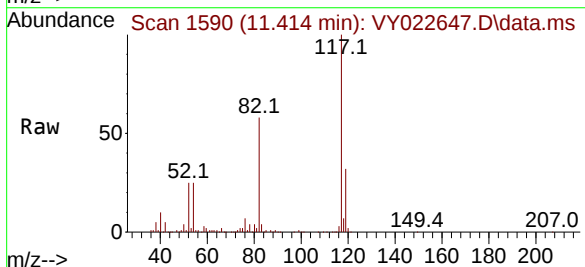
Instrument :
MSVOA_Y
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OU4-PCS-TC-36-060525

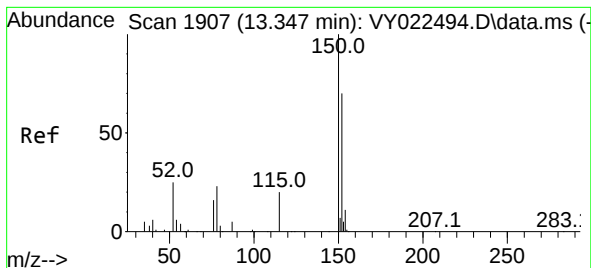
Tgt Ion:	95	Resp:	121940
Ion Ratio	Lower	Upper	
95	100		
174	86.5	0.0	170.0
176	83.6	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion:	117	Resp:	337782
Ion Ratio	Lower	Upper	
117	100		
82	57.8	44.6	66.8
119	31.6	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022647.D

Acq: 10 Jun 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-36-060525

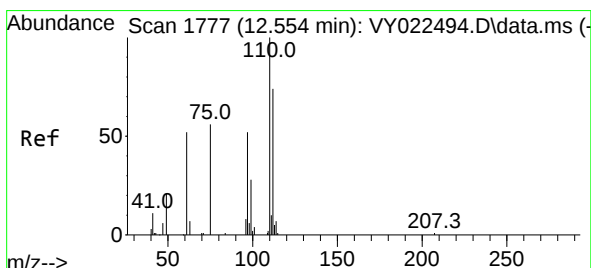
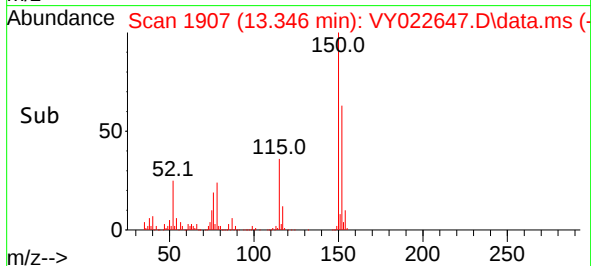
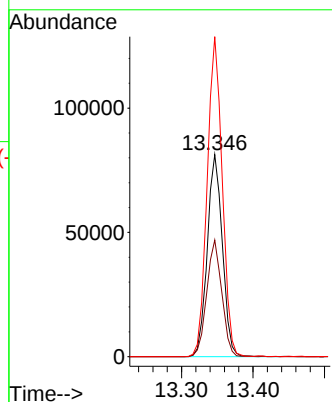
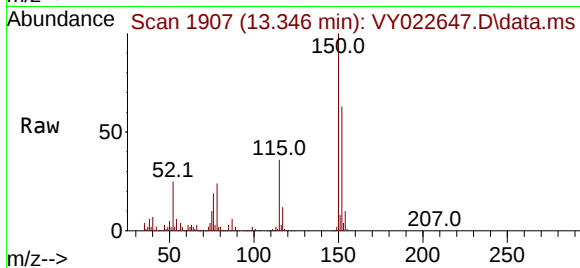
Tgt Ion:152 Resp: 119411

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 157.6 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.187 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022647.D

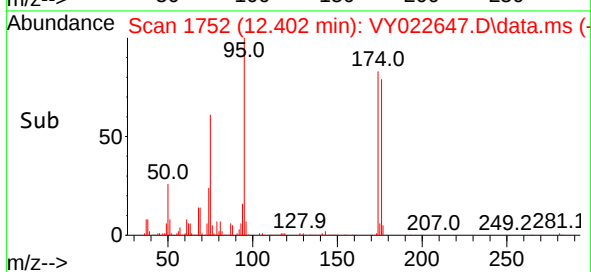
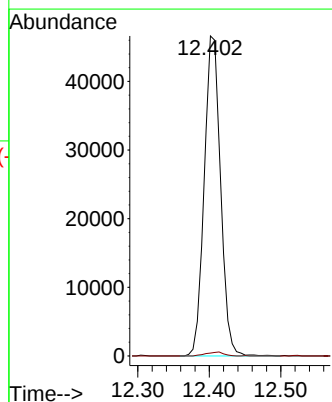
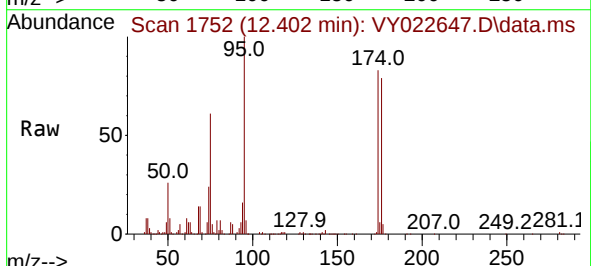
Acq: 10 Jun 2025 13:56

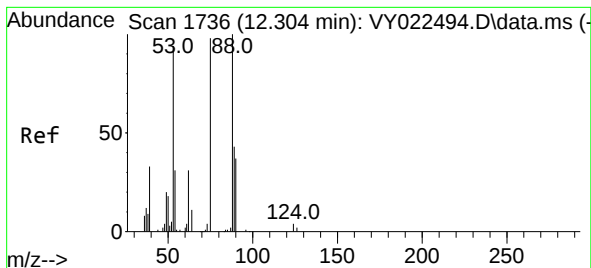
Tgt Ion: 75 Resp: 74025

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 130.858 ug/l

RT: 12.402 min Scan# 11

Delta R.T. 0.097 min

Lab File: VY022647.D

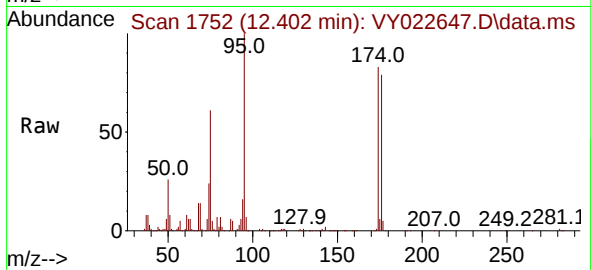
Acq: 10 Jun 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-36-060525



Tgt Ion: 75 Resp: 74025

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 35.7 53.5#

