

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022657.D
 Acq On : 11 Jun 2025 12:24
 Operator : SY/MD
 Sample : Q2259-07
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 12 05:05:48 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)

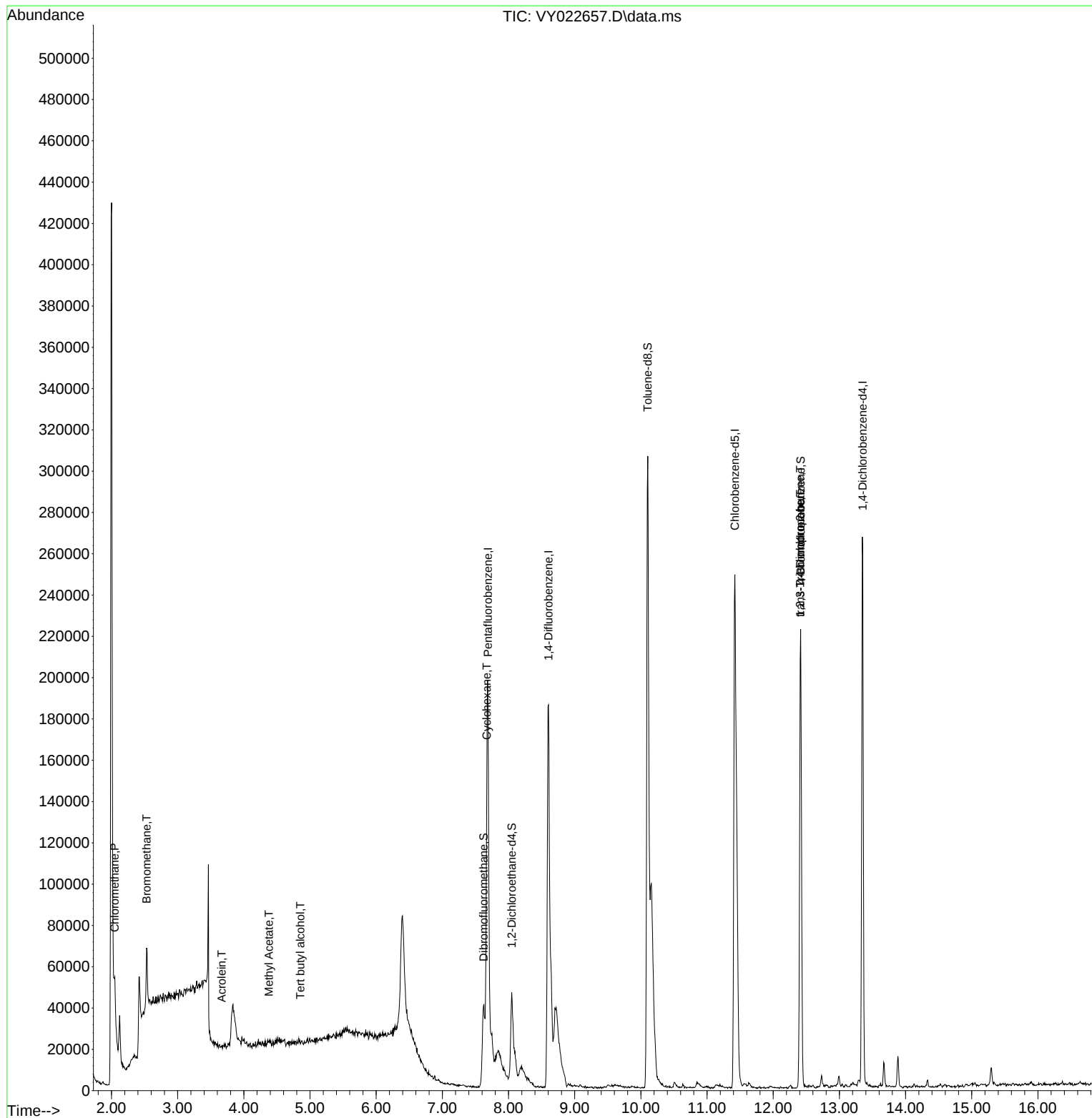
Internal Standards						
1) Pentafluorobenzene	7.689	168	166804	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.603	114	220732	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	214709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	66012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	51105	27.393	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	54.780%
35) Dibromofluoromethane	7.622	113	41279	31.331	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	62.660%
50) Toluene-d8	10.103	98	261007	49.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.414	95	72925	45.976	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.960%
Target Compounds						Qvalue
3) Chloromethane	2.050	50	8298	1.881	ug/l	98
5) Bromomethane	2.531	94	15011	3.060	ug/l	99
11) Tert butyl alcohol	4.854	59	422	3.167	ug/l #	73
13) Acrolein	3.665	56	216	1.301	ug/l #	45
18) Methyl Acetate	4.378	43	5394	4.808	ug/l #	76
31) Cyclohexane	7.671	56	4397	1.227	ug/l #	38
76) 1,2,3-Trichloropropane	12.407	75	42547	56.339	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	42547	136.054	ug/l #	11

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

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OU4-PCS-TC-36-060525

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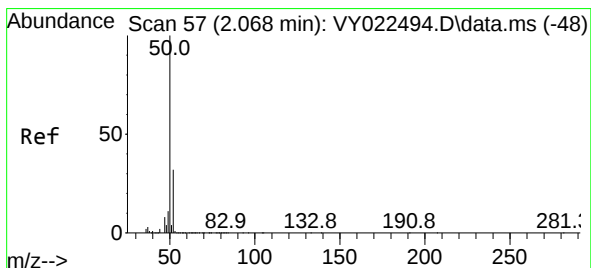
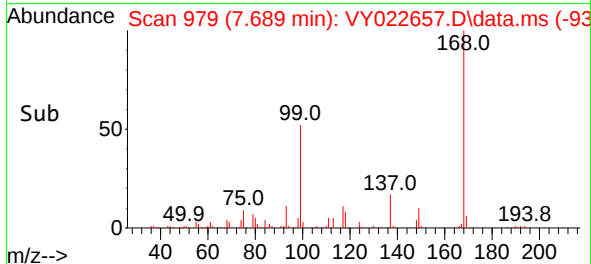
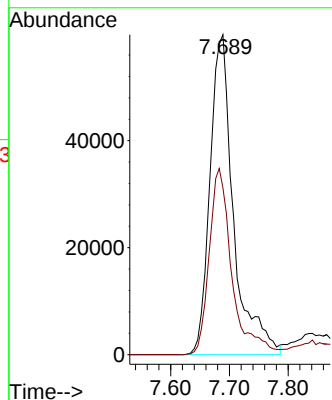
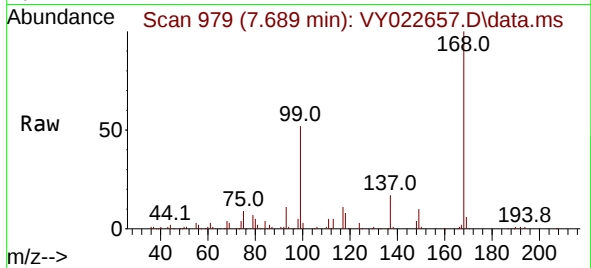




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.689 min Scan# 91
Delta R.T. -0.024 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

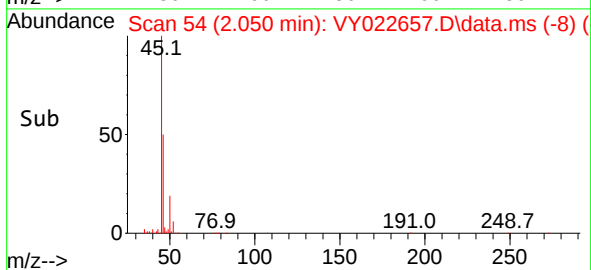
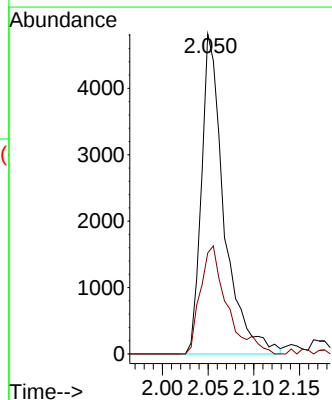
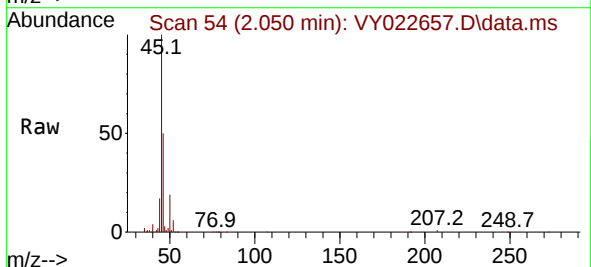
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

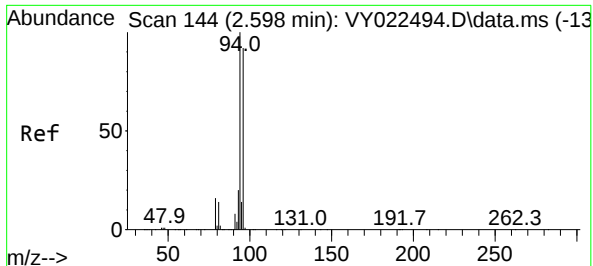
Tgt Ion:168 Resp: 166804
Ion Ratio Lower Upper
168 100
99 52.1 44.3 66.5



#3
Chloromethane
Concen: 1.881 ug/l
RT: 2.050 min Scan# 54
Delta R.T. -0.019 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion: 50 Resp: 8298
Ion Ratio Lower Upper
50 100
52 31.5 26.0 39.0

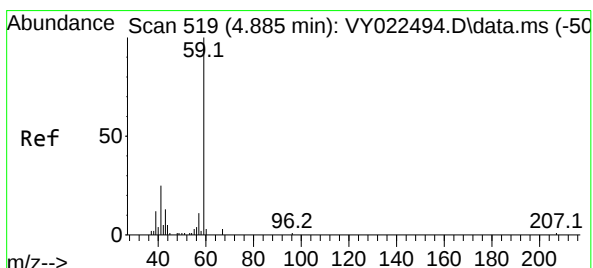
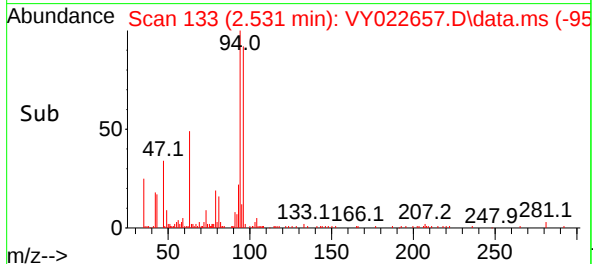
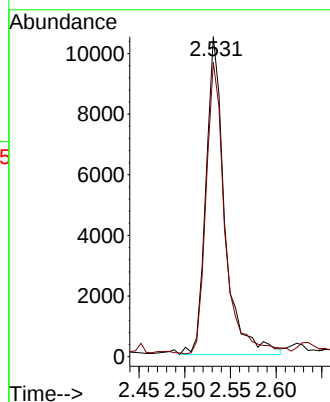
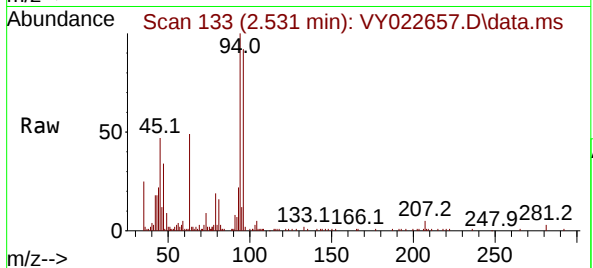




#5
Bromomethane
Concen: 3.060 ug/l
RT: 2.531 min Scan# 11
Delta R.T. -0.067 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

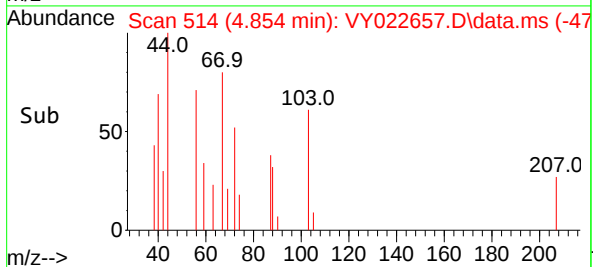
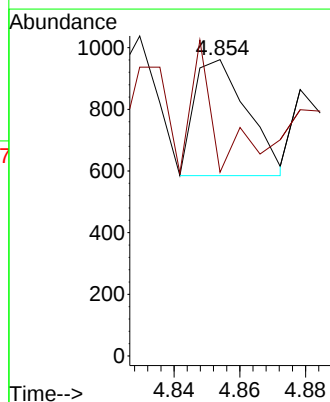
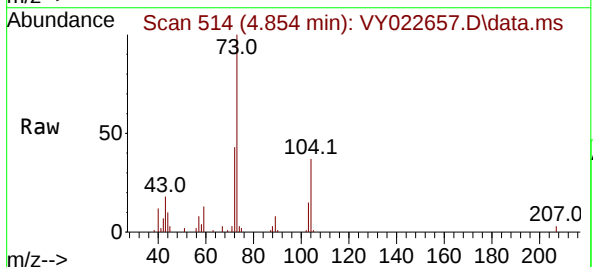
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

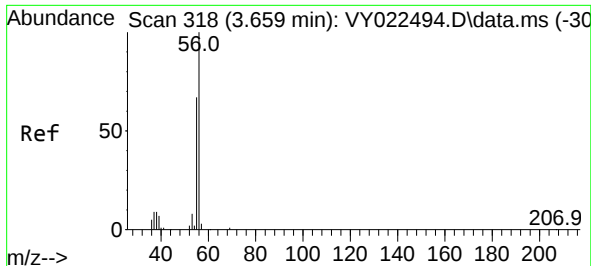
Tgt Ion: 94 Resp: 15011
Ion Ratio Lower Upper
94 100
96 91.4 74.0 111.0



#11
Tert butyl alcohol
Concen: 3.167 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.031 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion: 59 Resp: 422
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

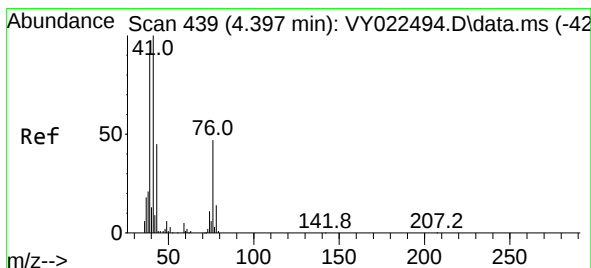
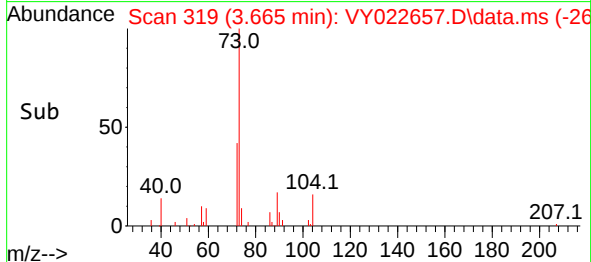
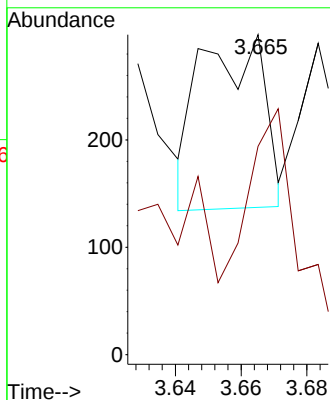
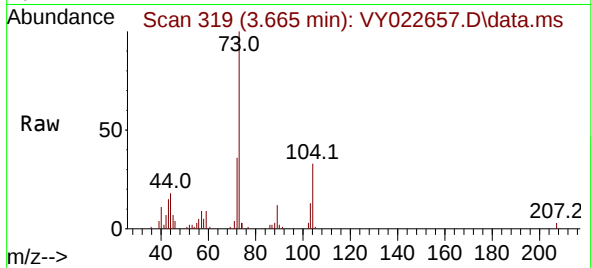




#13
Acrolein
Concen: 1.301 ug/l
RT: 3.665 min Scan# 318
Delta R.T. 0.006 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

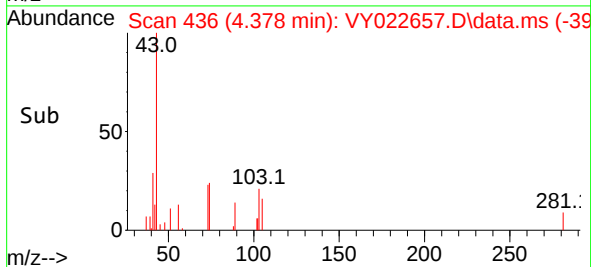
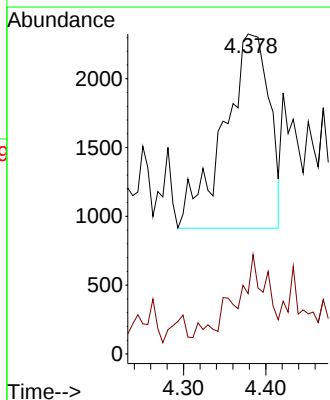
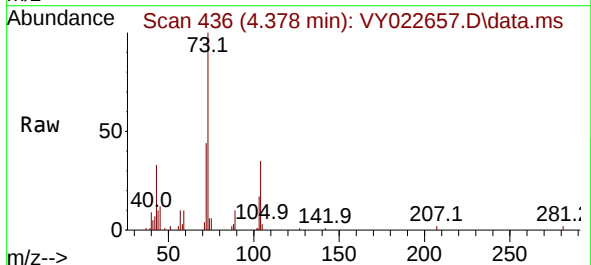
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

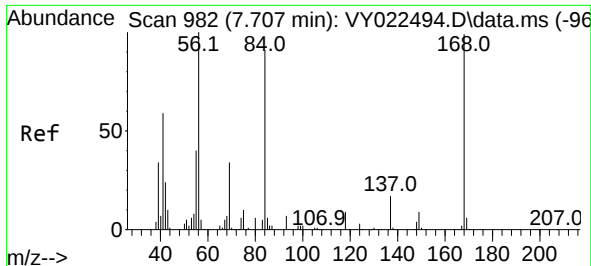
Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 116.7 57.0 85.6#



#18
Methyl Acetate
Concen: 4.808 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.019 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion: 43 Resp: 5394
Ion Ratio Lower Upper
43 100
74 12.8 19.8 29.6#

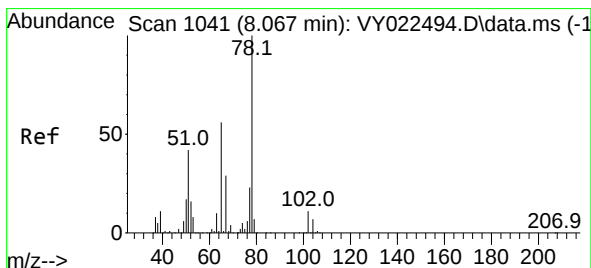
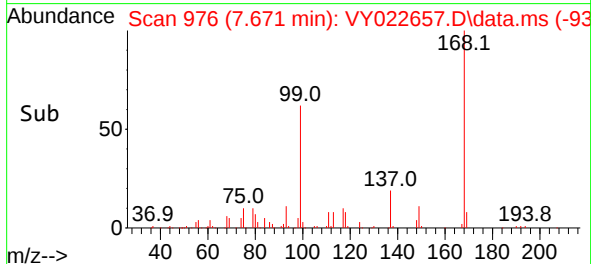
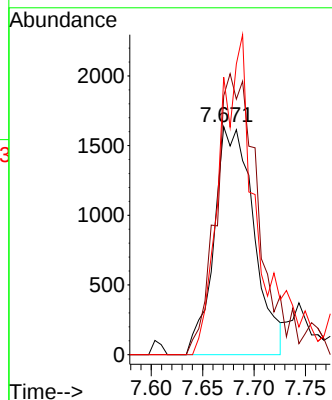
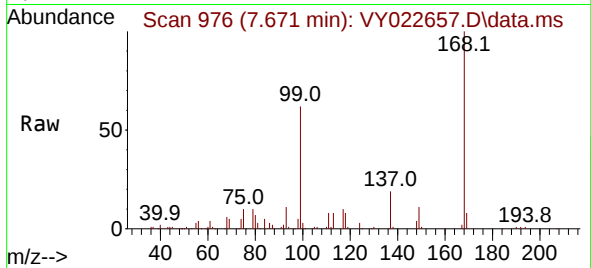




#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.671 min Scan# 91
Delta R.T. -0.037 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

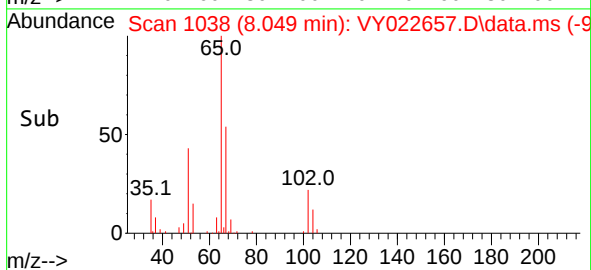
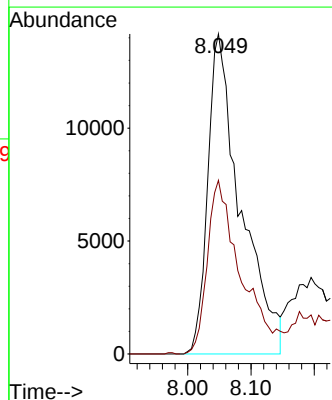
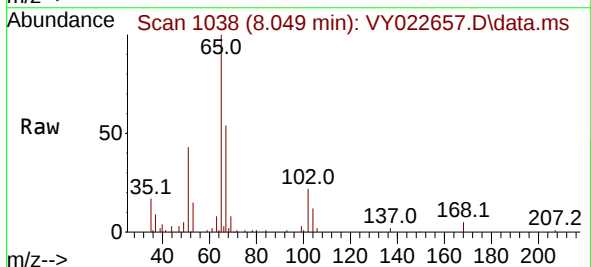
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

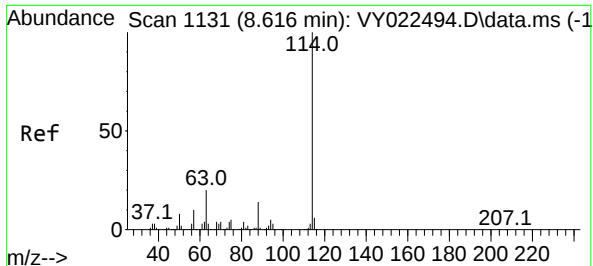
Tgt Ion: 56 Resp: 4397
Ion Ratio Lower Upper
56 100
69 113.5 27.0 40.6#
84 121.7 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 27.393 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.019 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion: 65 Resp: 51105
Ion Ratio Lower Upper
65 100
67 56.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.012 min

Lab File: VY022657.D

Acq: 11 Jun 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-36-060525

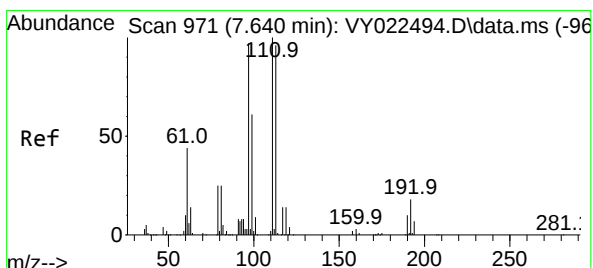
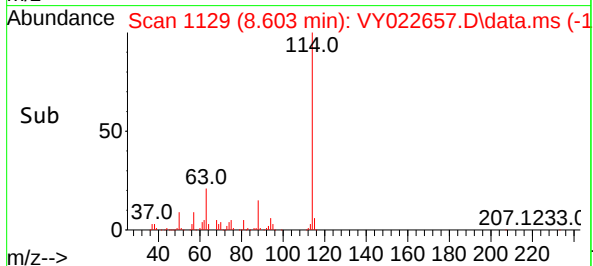
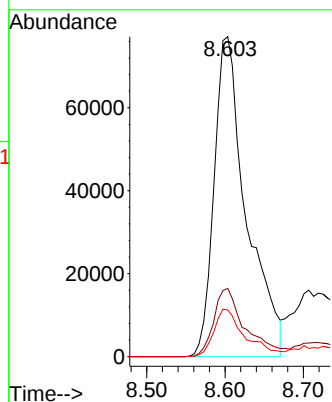
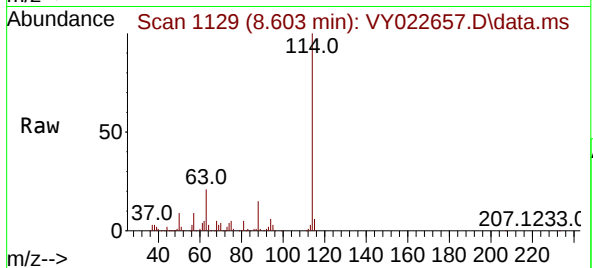
Tgt Ion:114 Resp: 220732

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 14.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 31.331 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.019 min

Lab File: VY022657.D

Acq: 11 Jun 2025 12:24

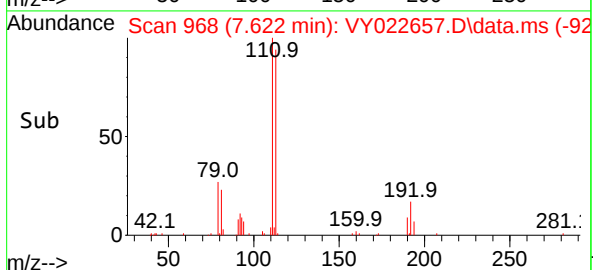
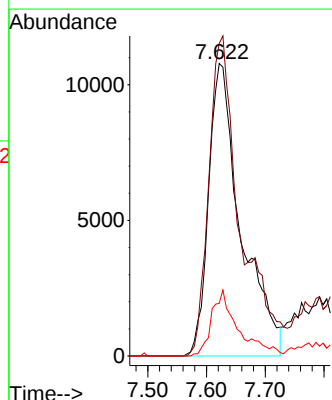
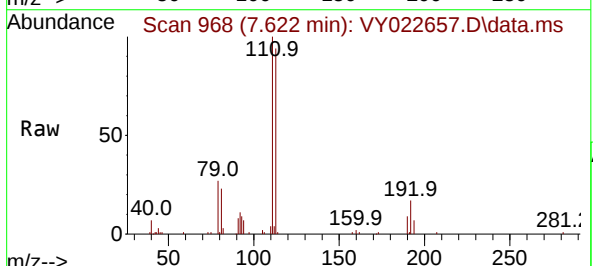
Tgt Ion:113 Resp: 41279

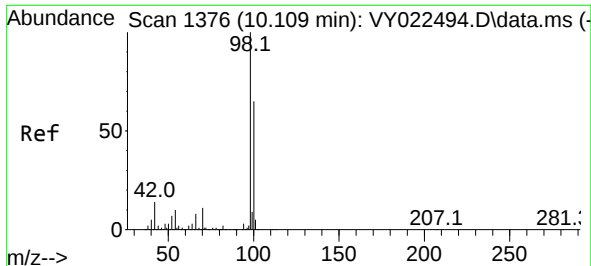
Ion Ratio Lower Upper

113 100

111 87.5 81.1 121.7

192 15.3 14.2 21.2

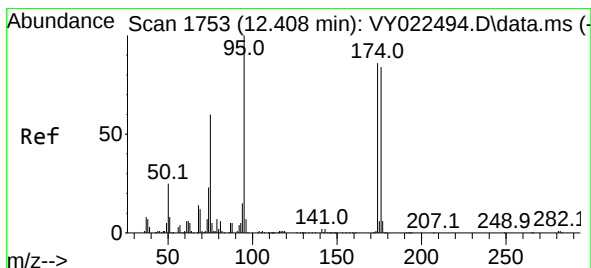
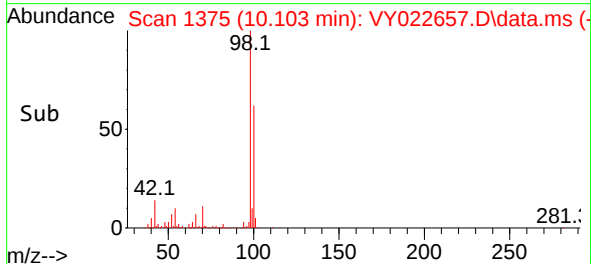
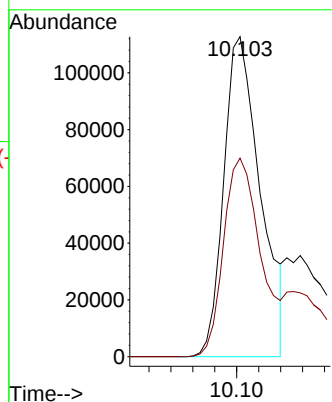
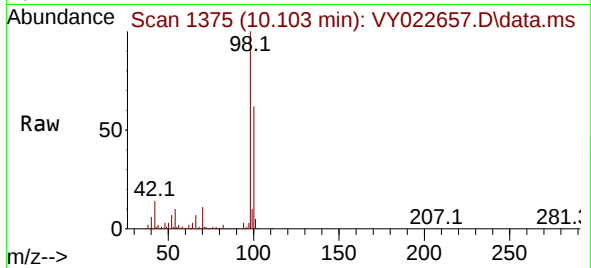




#50
Toluene-d8
Concen: 49.029 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

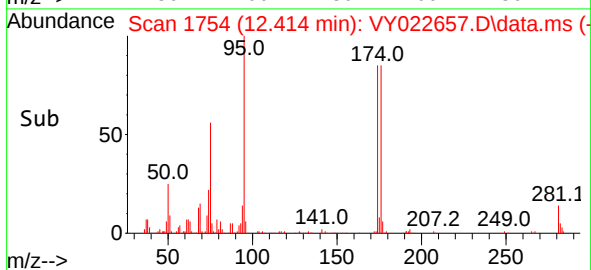
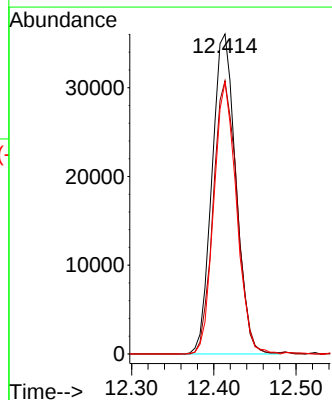
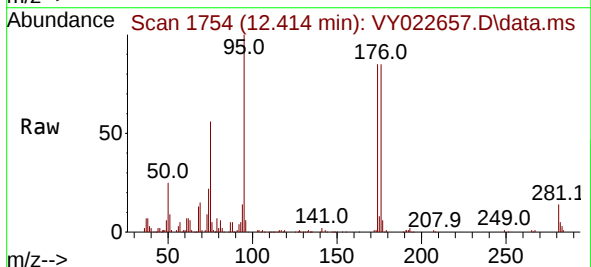
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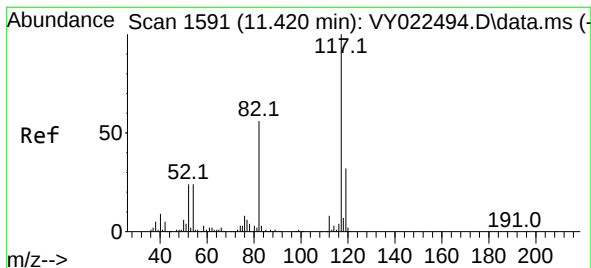
Tgt Ion: 98 Resp: 261007
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.976 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion: 95 Resp: 72925
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.0
176 80.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022657.D

Acq: 11 Jun 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-36-060525

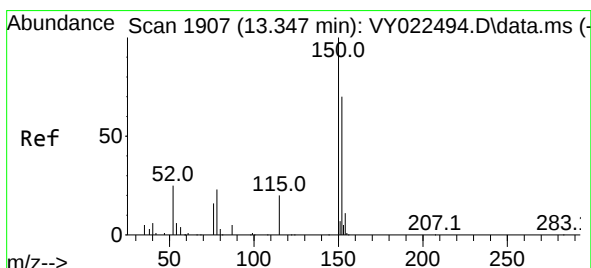
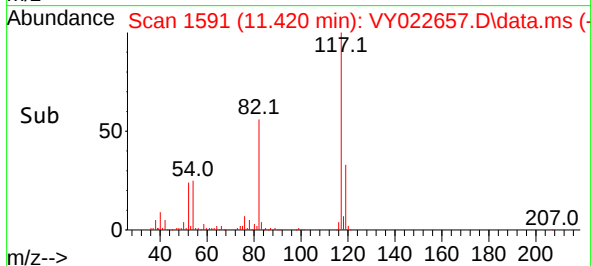
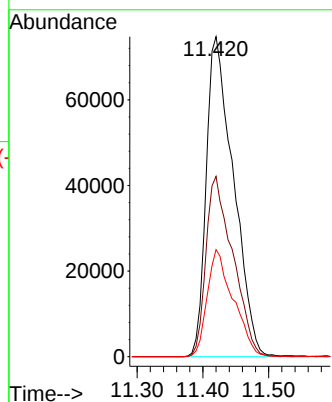
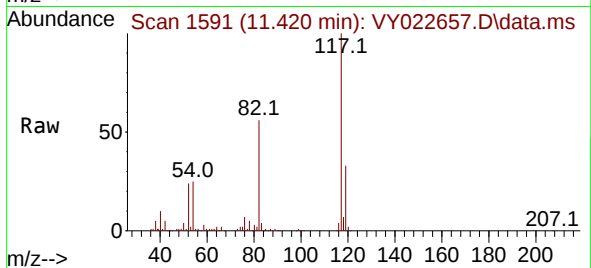
Tgt Ion:117 Resp: 214709

Ion Ratio Lower Upper

117 100

82 56.4 44.6 66.8

119 33.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022657.D

Acq: 11 Jun 2025 12:24

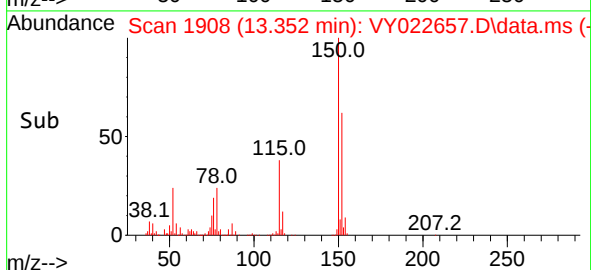
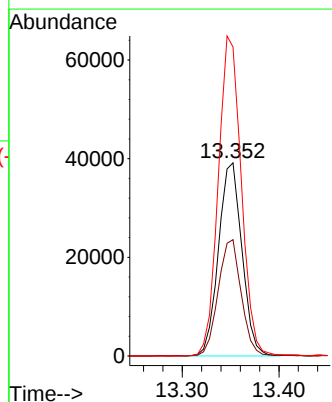
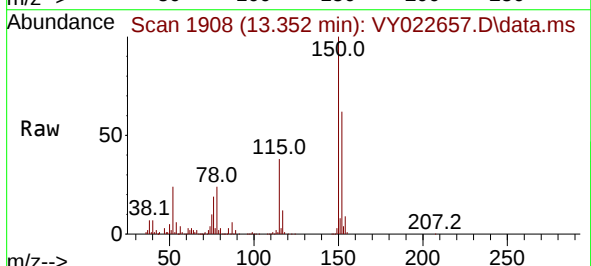
Tgt Ion:152 Resp: 66012

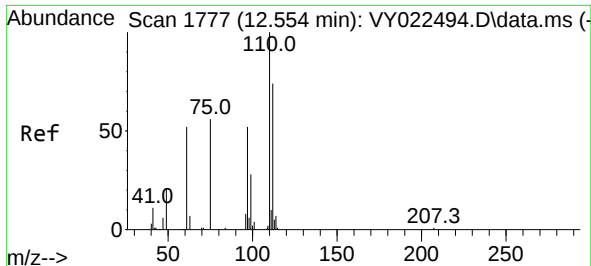
Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.7

150 162.5 0.0 349.6

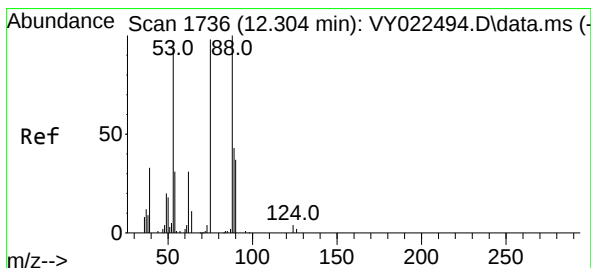
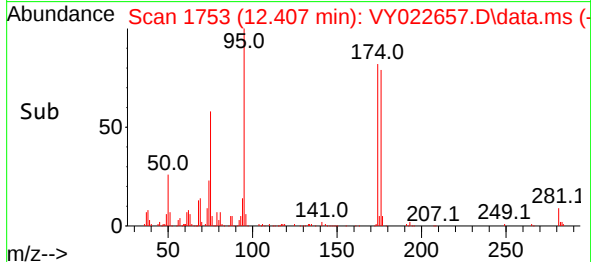
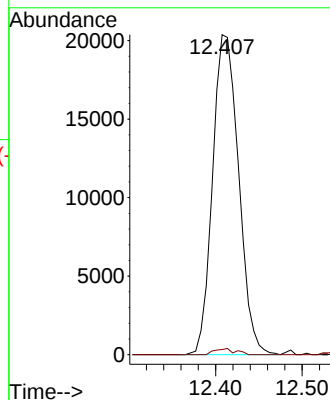
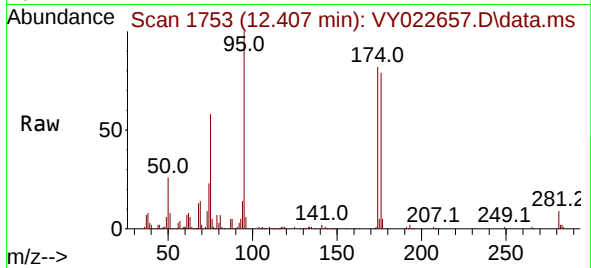




#76
1,2,3-Trichloropropane
Concen: 56.339 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

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

Tgt Ion: 75 Resp: 42547
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.054 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022657.D
Acq: 11 Jun 2025 12:24

Tgt Ion: 75 Resp: 42547
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.3 35.7 53.5#

