

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022661.D
 Acq On : 11 Jun 2025 13:58
 Operator : SY/MD
 Sample : Q2283-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0166-MOO-25-0167

Quant Time: Jun 12 05:07:25 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)

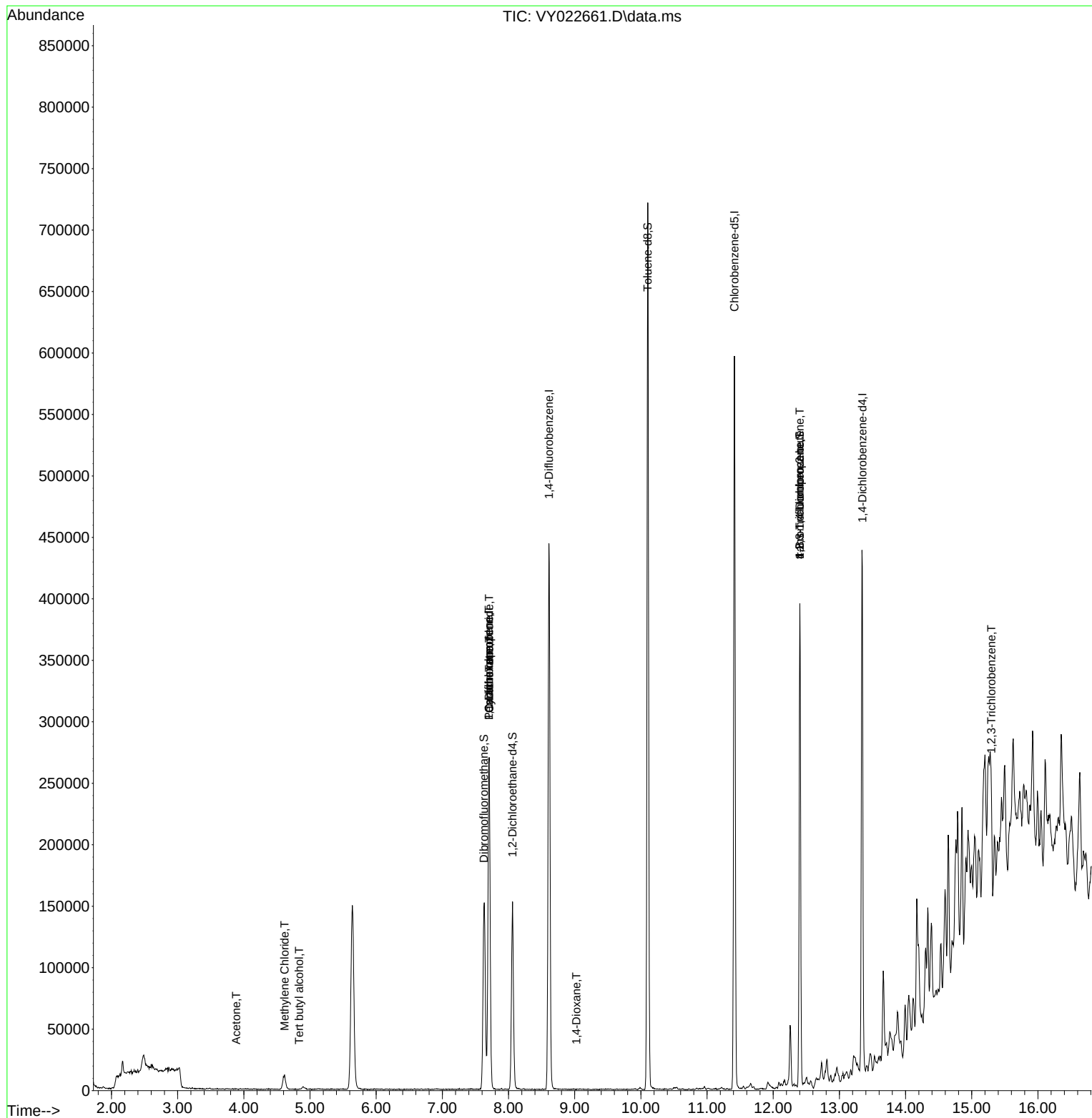
Internal Standards						
1) Pentafluorobenzene	7.701	168	199457	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	364125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	287276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	99767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106983	47.957	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.920%		
35) Dibromofluoromethane	7.628	113	106427	48.968	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.940%		
50) Toluene-d8	10.103	98	440049	50.109	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.220%		
62) 4-Bromofluorobenzene	12.402	95	105436	40.296	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.600%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	180	1.130	ug/l #	73
16) Acetone	3.885	43	613	1.353	ug/l #	45
20) Methylene Chloride	4.616	84	7882	3.063	ug/l #	85
31) Cyclohexane	7.707	56	5679	1.325	ug/l #	34
36) 1,1-Dichloropropene	7.701	75	18313	5.192	ug/l #	50
38) Carbon Tetrachloride	7.707	117	20805	5.749	ug/l #	17
49) 1,4-Dioxane	9.024	88	20	1.219	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	62206	54.501	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	62206	131.617	ug/l #	11
96) 1,2,3-Trichlorobenzene	15.297	180	4263	3.067	ug/l #	15

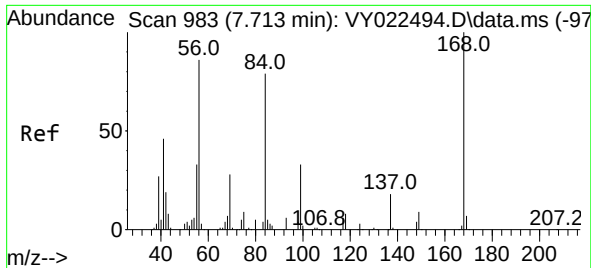
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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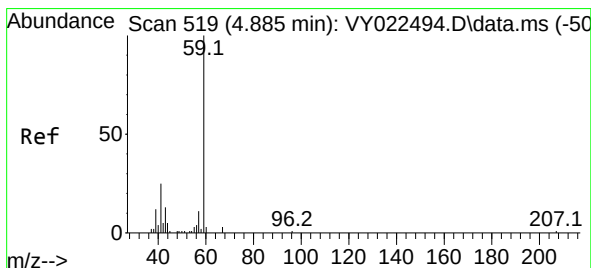
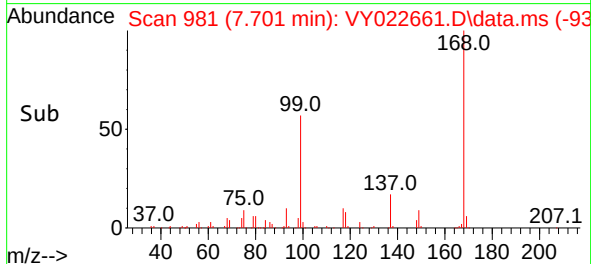
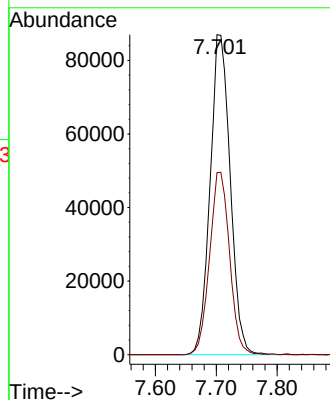
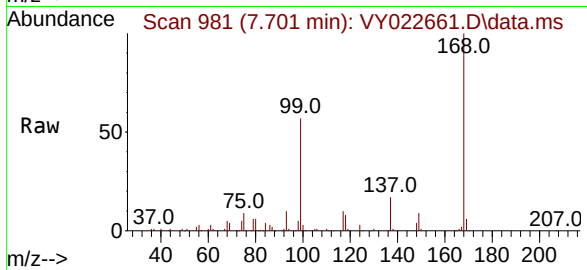




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

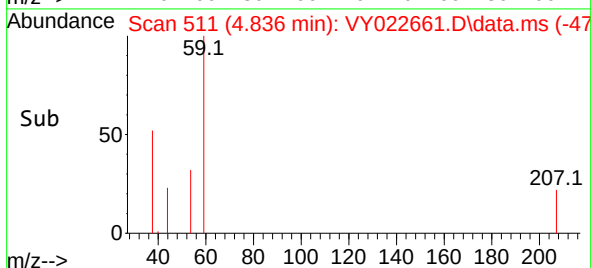
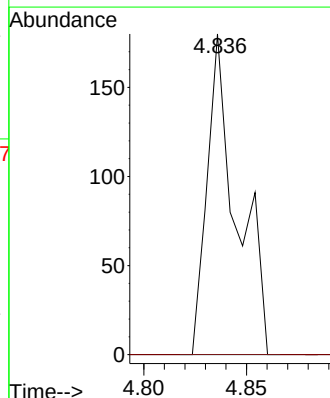
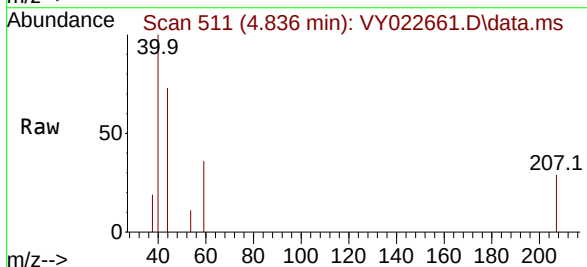
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

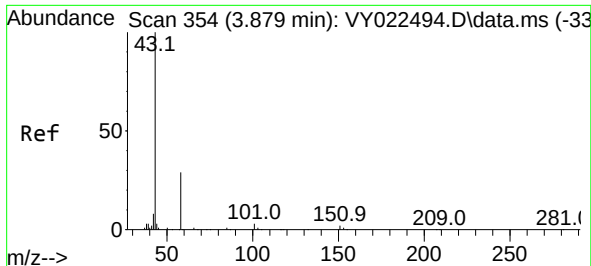
Tgt Ion:168 Resp: 199457
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.130 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.049 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

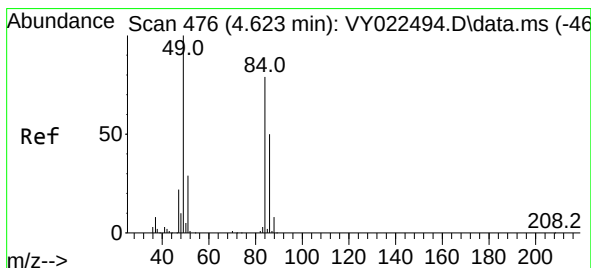
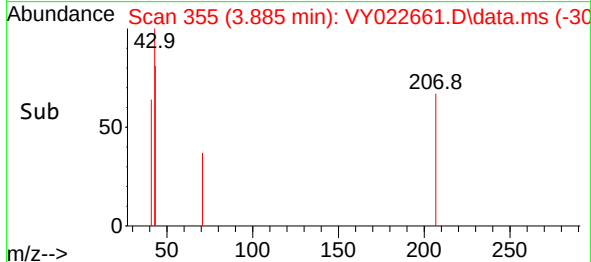
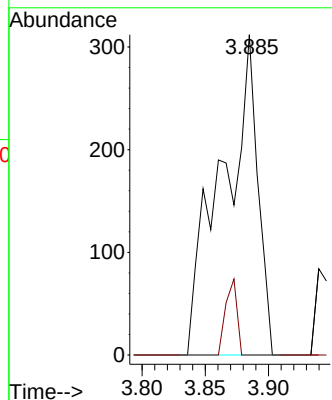
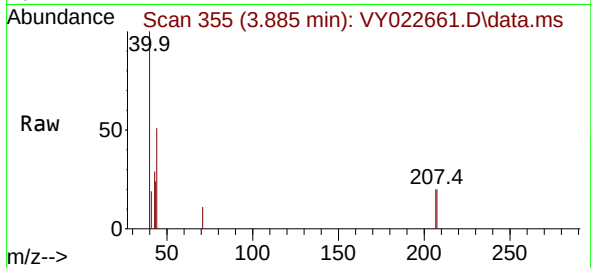




#16
Acetone
Concen: 1.353 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

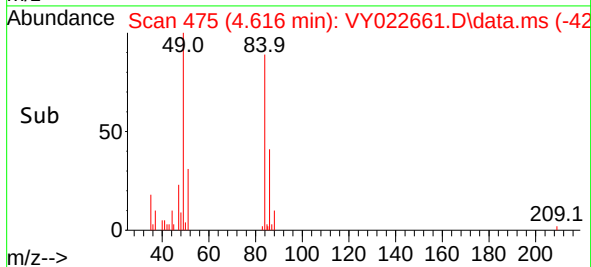
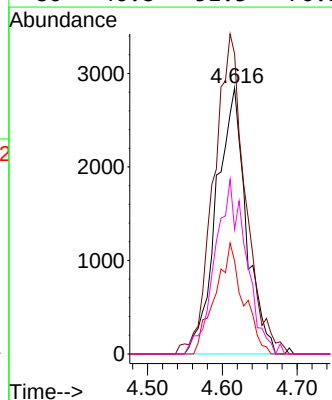
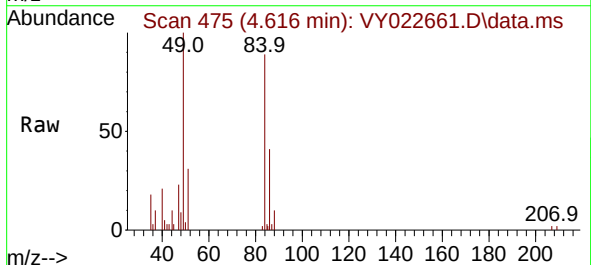
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

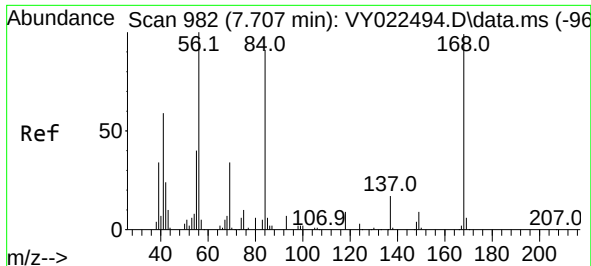
Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



#20
Methylene Chloride
Concen: 3.063 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion: 84 Resp: 7882
Ion Ratio Lower Upper
84 100
49 109.6 101.9 152.9
51 34.9 29.8 44.8
86 46.8 51.3 76.9#

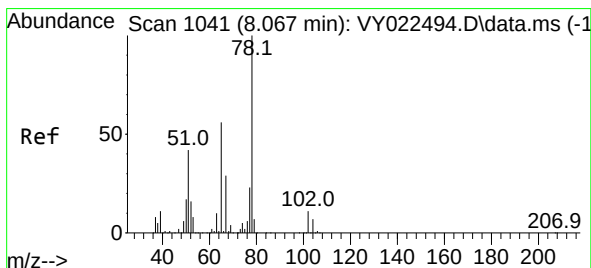
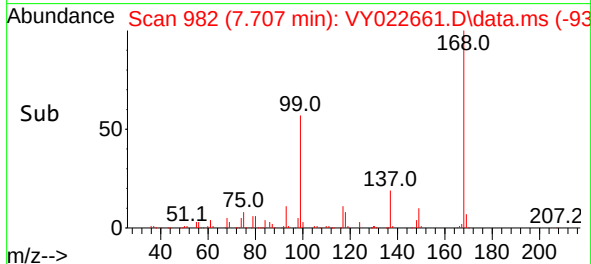
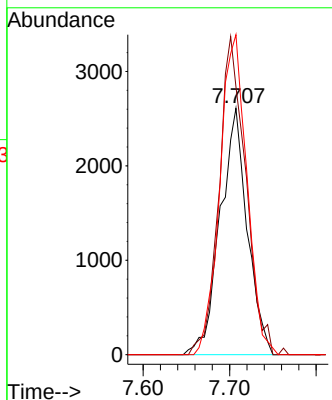
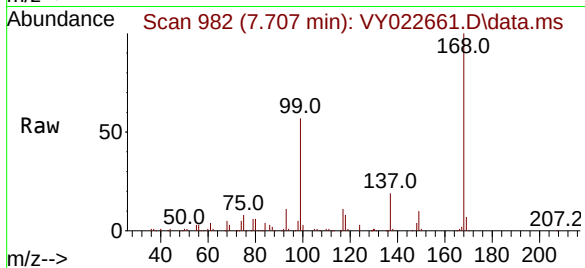




#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

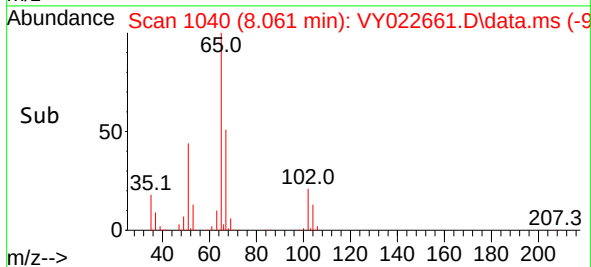
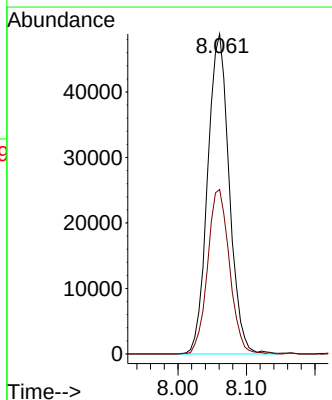
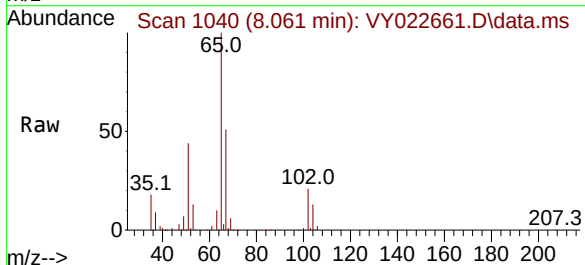
Instrument :
MSVOA_Y
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MOO-25-0166-MOO-25-0167

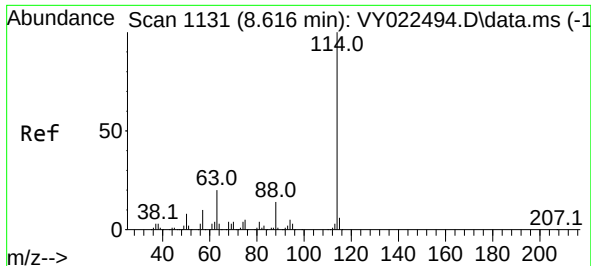
Tgt Ion: 56 Resp: 5679
Ion Ratio Lower Upper
56 100
69 108.7 27.0 40.6#
84 129.9 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 47.957 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion: 65 Resp: 106983
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4

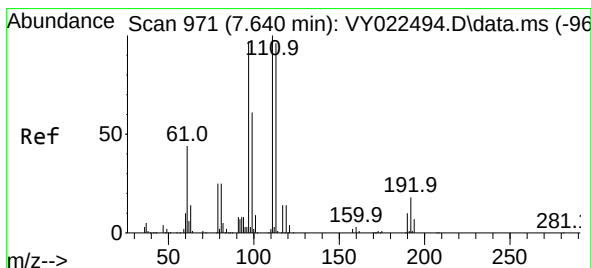
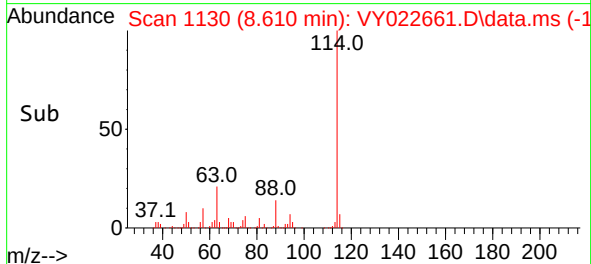
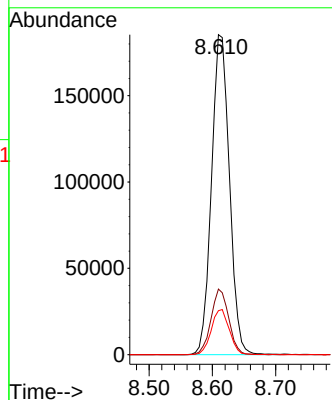
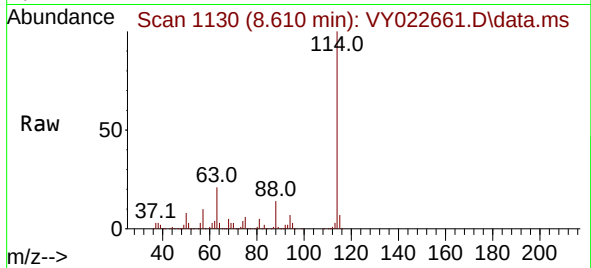




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

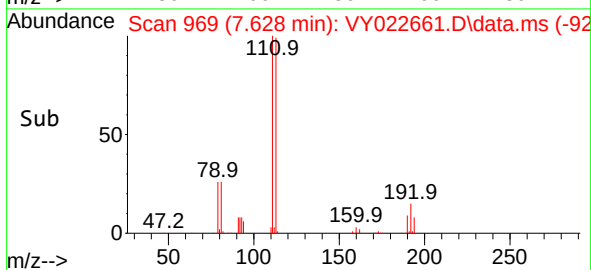
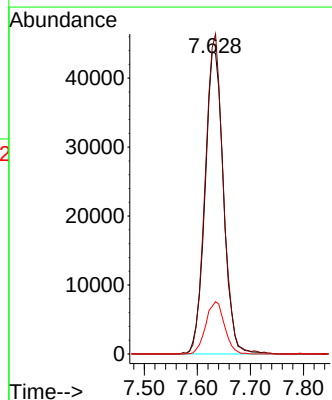
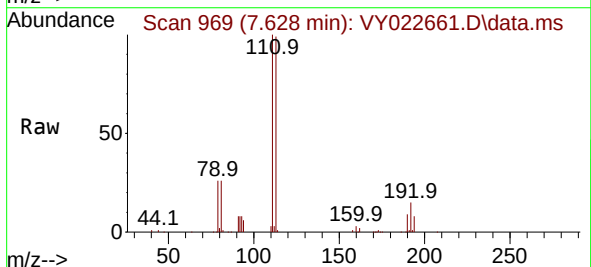
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

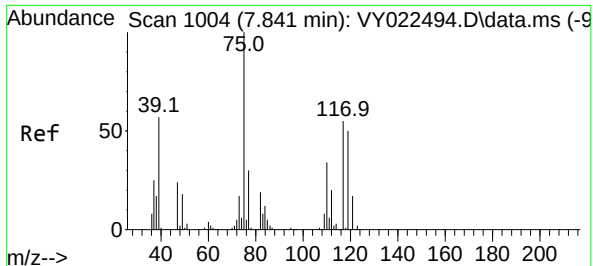
Tgt Ion:114 Resp: 364125
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 13.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 48.968 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion:113 Resp: 106427
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 17.5 14.2 21.2

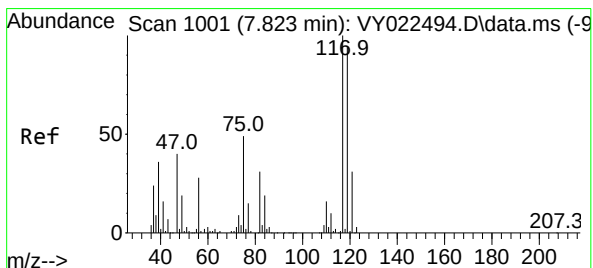
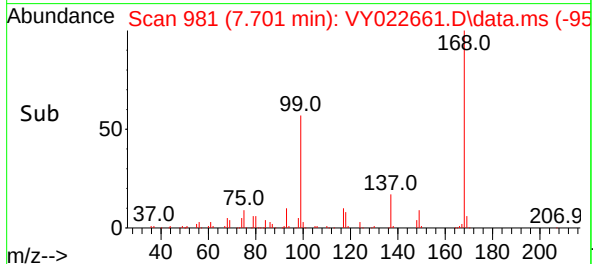
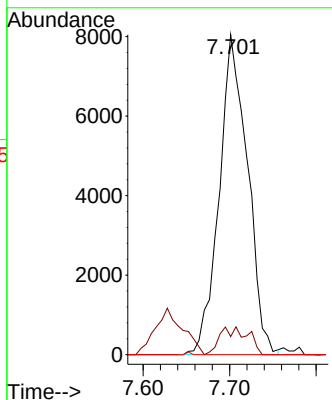
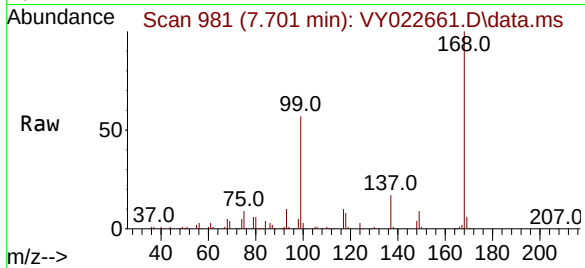




#36
1,1-Dichloropropene
Concen: 5.192 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

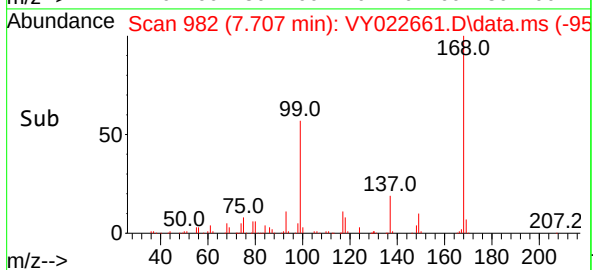
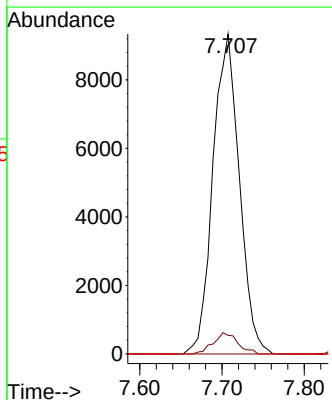
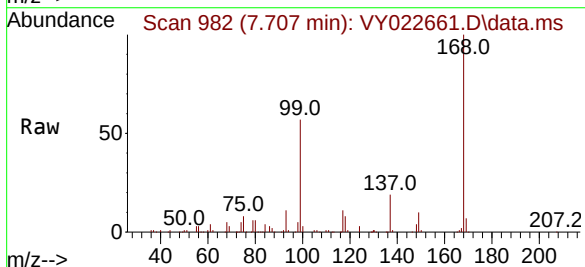
Instrument :
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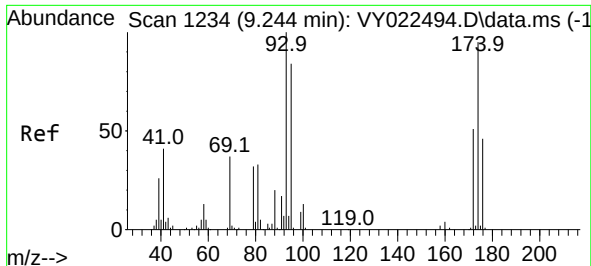
Tgt Ion: 75 Resp: 18313
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.749 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion: 117 Resp: 20805
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.219 ug/l

RT: 9.024 min Scan# 1198

Delta R.T. -0.220 min

Lab File: VY022661.D

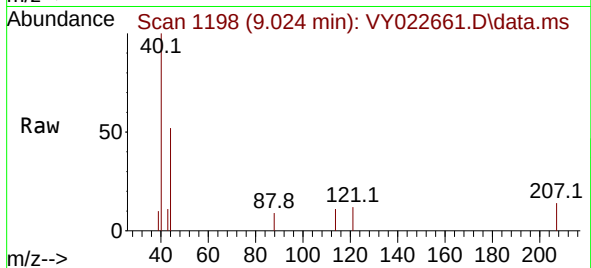
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Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0166-MOO-25-0167



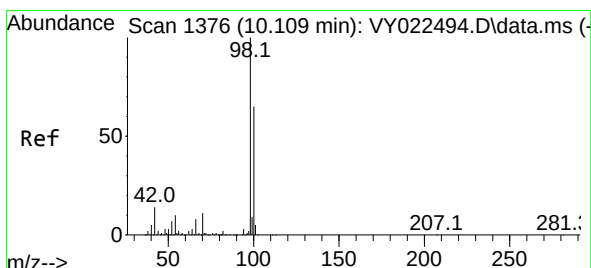
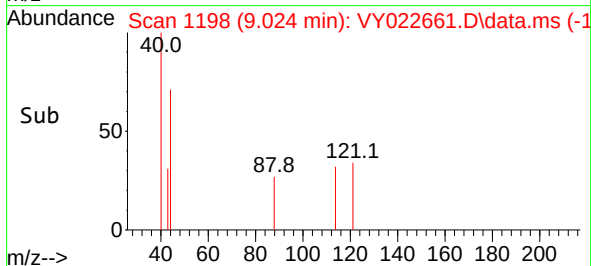
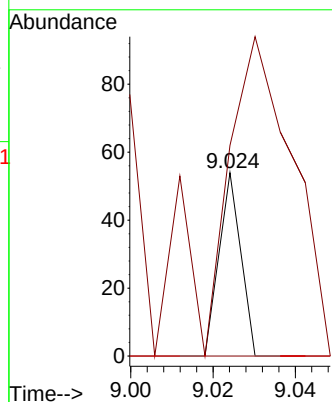
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 500.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 50.109 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022661.D

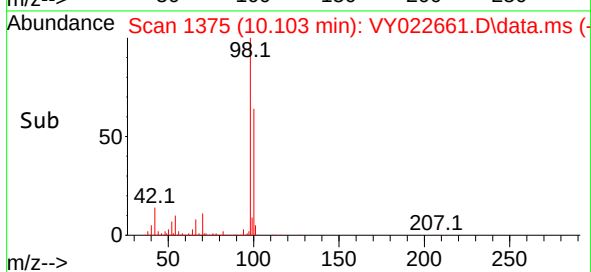
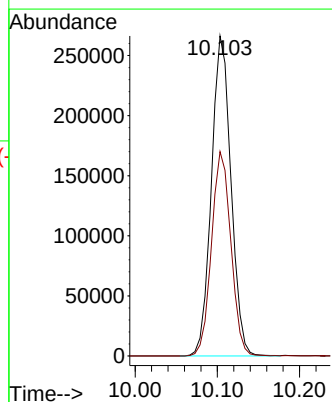
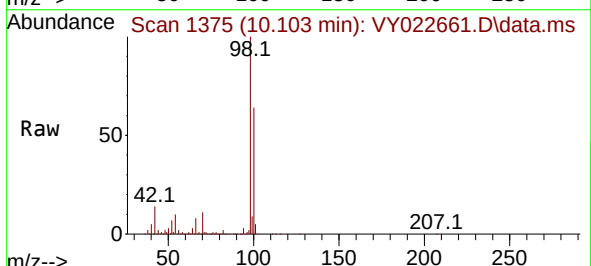
Acq: 11 Jun 2025 13:58

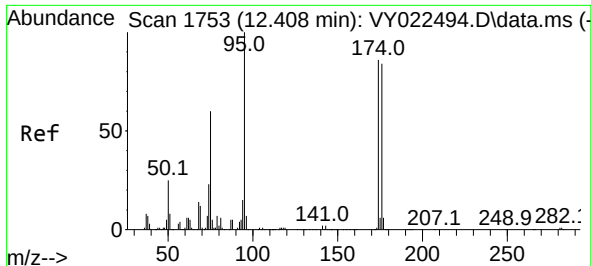
Tgt Ion: 98 Resp: 440049

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.0

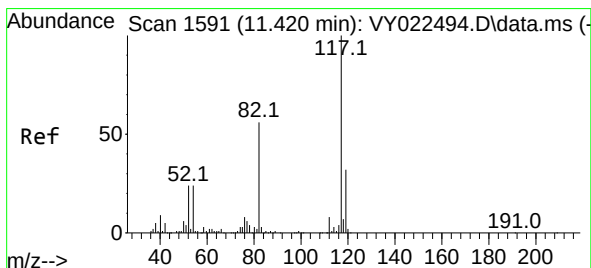
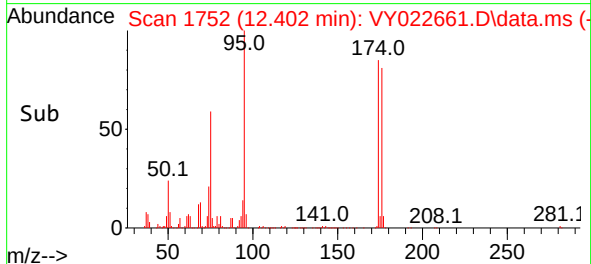
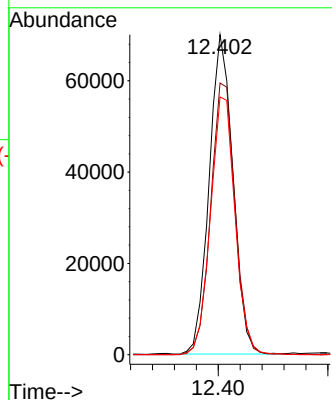
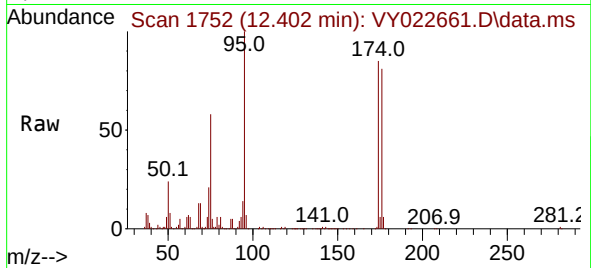




#62
4-Bromofluorobenzene
Concen: 40.296 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

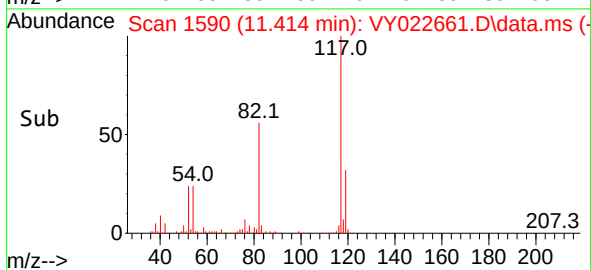
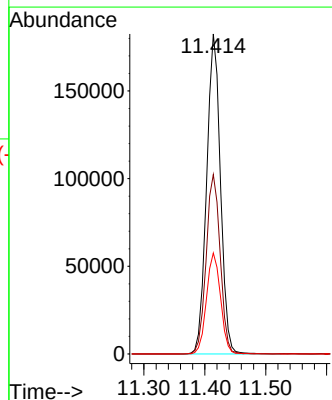
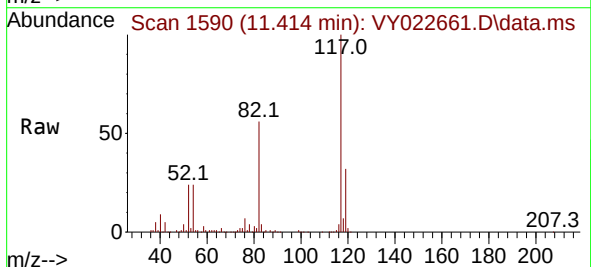
Instrument :
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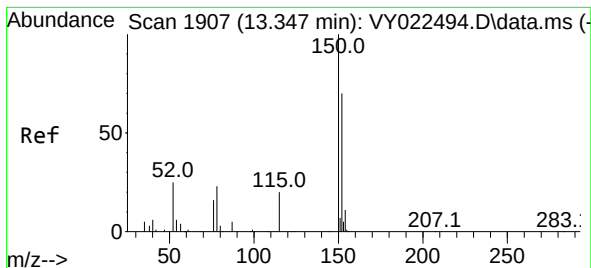
Tgt Ion: 95 Resp: 105436
Ion Ratio Lower Upper
95 100
174 87.4 0.0 170.0
176 83.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion: 117 Resp: 287276
Ion Ratio Lower Upper
117 100
82 56.0 44.6 66.8
119 31.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022661.D

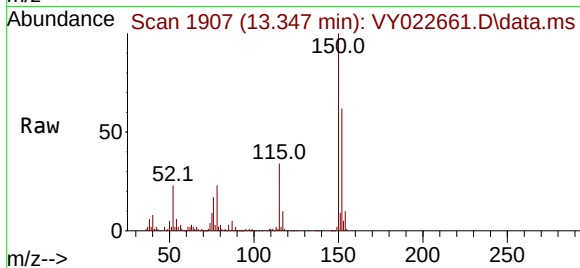
Acq: 11 Jun 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0166-MOO-25-0167



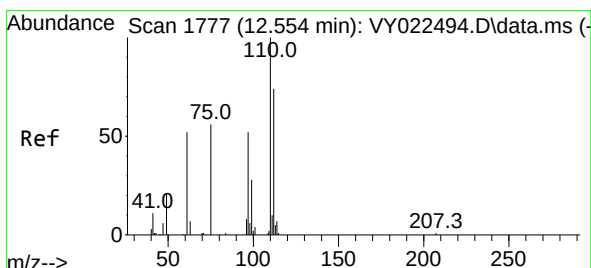
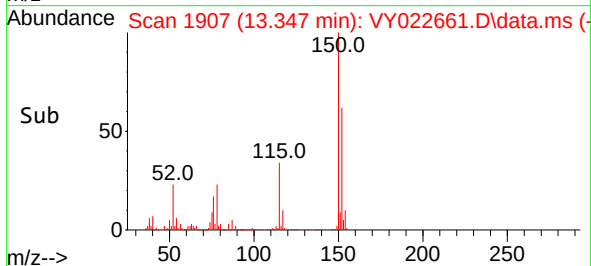
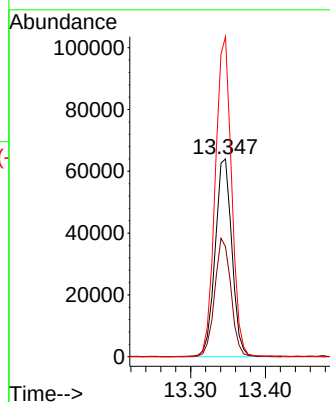
Tgt Ion:152 Resp: 99767

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 157.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.501 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022661.D

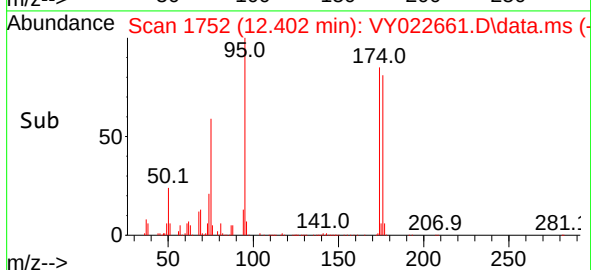
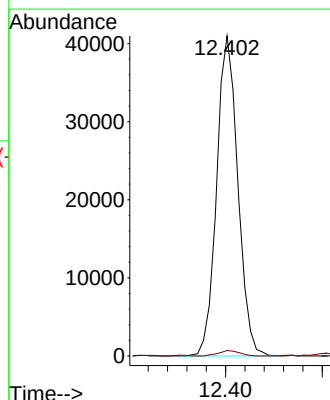
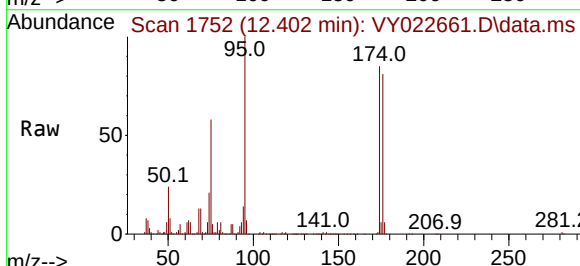
Acq: 11 Jun 2025 13:58

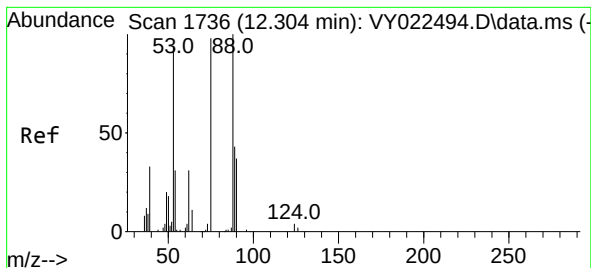
Tgt Ion: 75 Resp: 62206

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

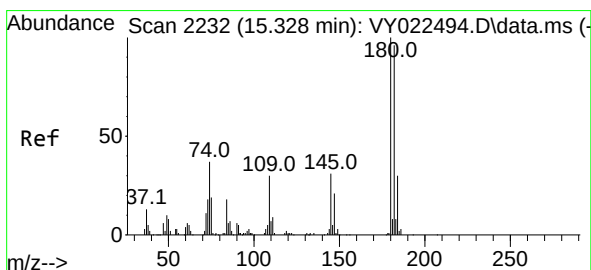
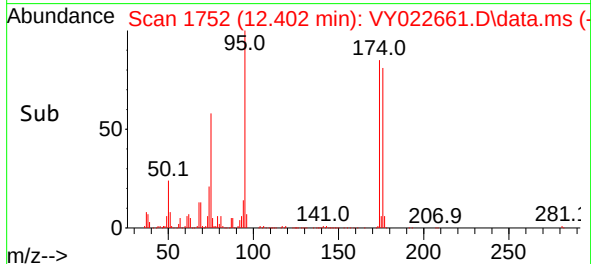
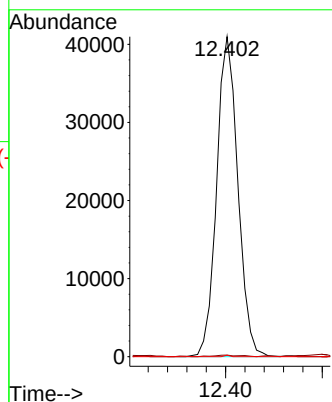
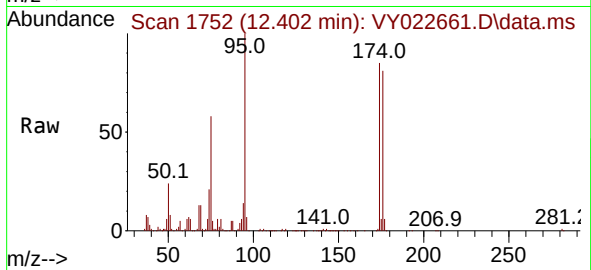




#81
trans-1,4-Dichloro-2-butene
Concen: 131.617 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

Tgt Ion: 75 Resp: 62206
Ion Ratio Lower Upper
75 100
53 0.6 78.5 117.7#
89 0.1 35.7 53.5#



#96
1,2,3-Trichlorobenzene
Concen: 3.067 ug/l
RT: 15.297 min Scan# 2227
Delta R.T. -0.031 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion:180 Resp: 4263
Ion Ratio Lower Upper
180 100
182 7.8 47.1 141.3#
145 68.8 15.2 45.6#

