

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022082.D
 Acq On : 30 Apr 2025 14:44
 Operator : SY/MD
 Sample : Q1883-11
 Misc : 14.43g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-32-042325

Quant Time: May 01 01:36:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

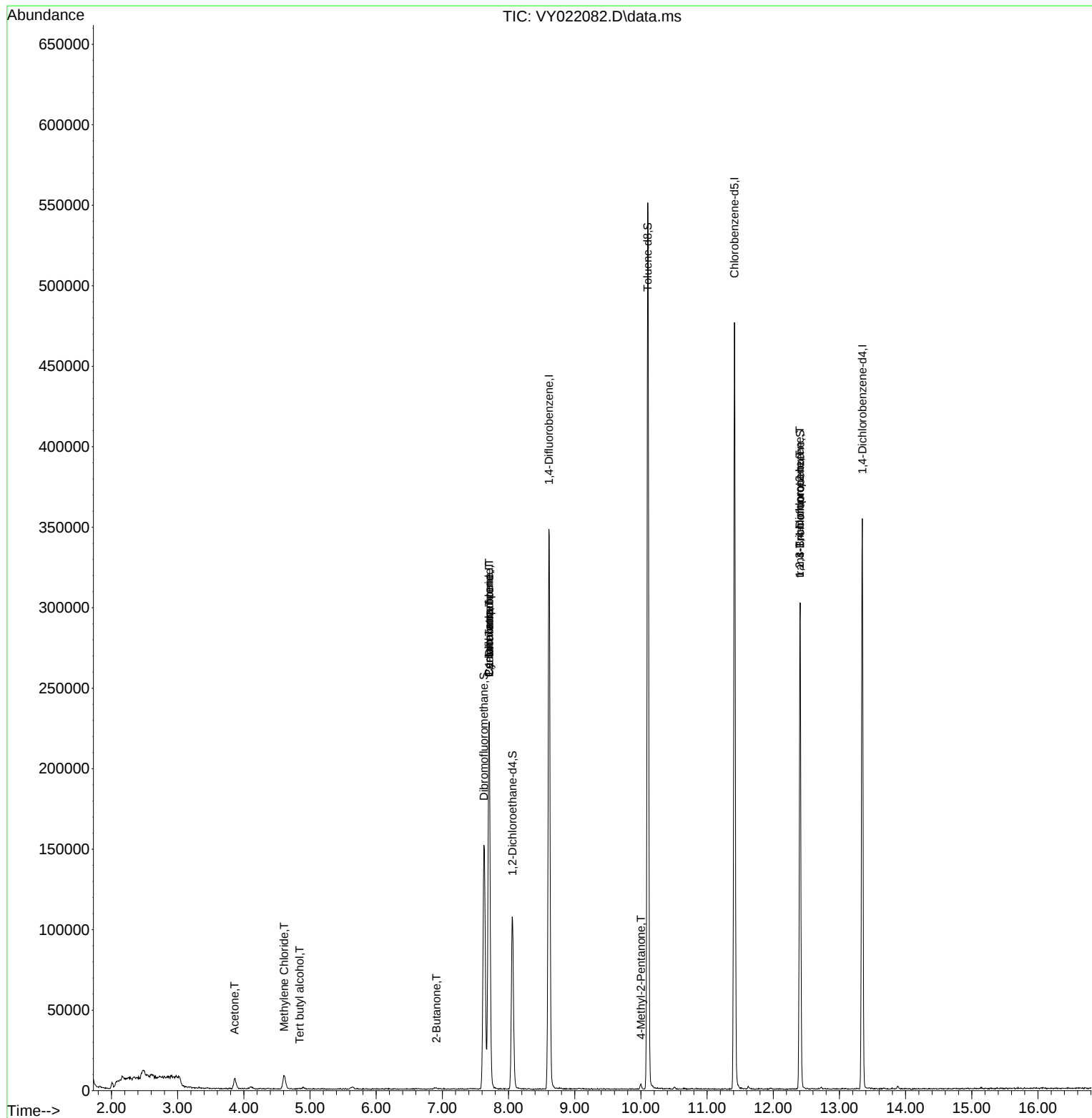
Internal Standards						
1) Pentafluorobenzene	7.707	168	183390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	313489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	269104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	96684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85952	50.741	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.480%	
35) Dibromofluoromethane	7.628	113	111914	54.037	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.080%	
50) Toluene-d8	10.103	98	378713	48.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.000%	
62) 4-Bromofluorobenzene	12.408	95	94131	35.812	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 71.620%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.842	59	338	3.635	ug/l #	70
16) Acetone	3.860	43	10178	26.837	ug/l	88
20) Methylene Chloride	4.610	84	6641	3.100	ug/l	87
25) 2-Butanone	6.908	43	1125	2.914	ug/l #	41
31) Cyclohexane	7.707	56	3345	1.195	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	13782	4.954	ug/l #	47
38) Carbon Tetrachloride	7.707	117	18245	5.488	ug/l #	17
51) 4-Methyl-2-Pentanone	9.999	43	1782	1.772	ug/l	97
76) 1,2,3-Trichloropropane	12.401	75	44115	53.270	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	44115	128.281	ug/l #	16

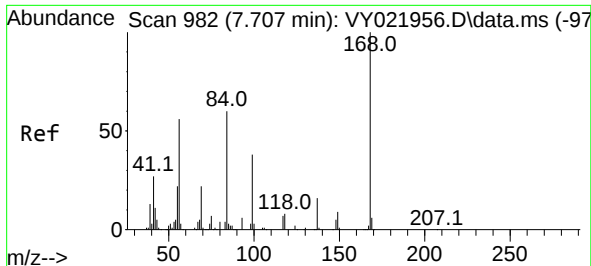
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-PCS-TC-32-042325

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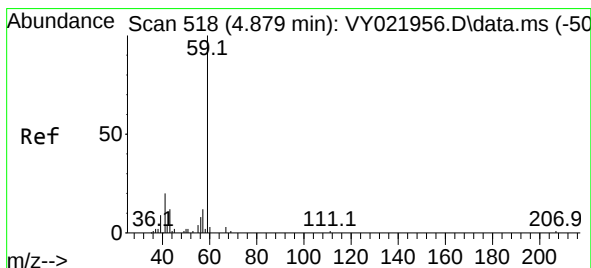
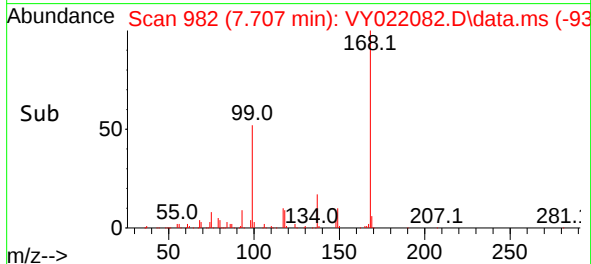
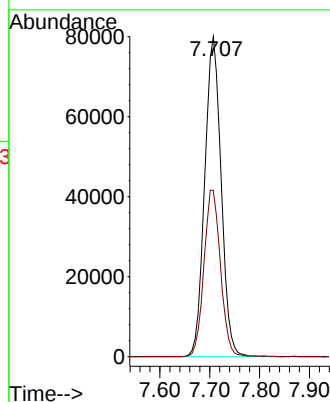
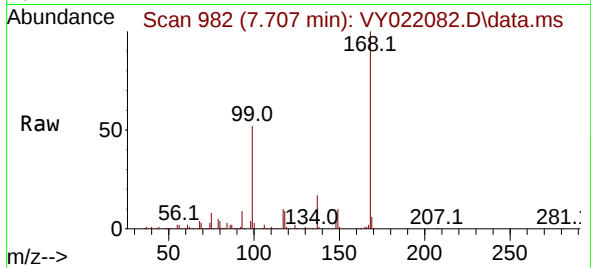




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

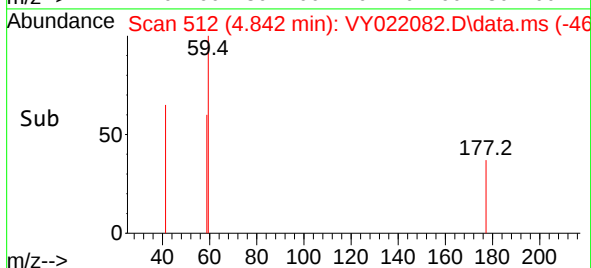
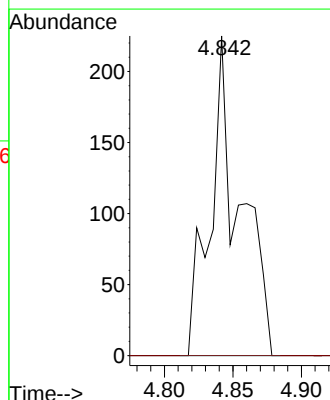
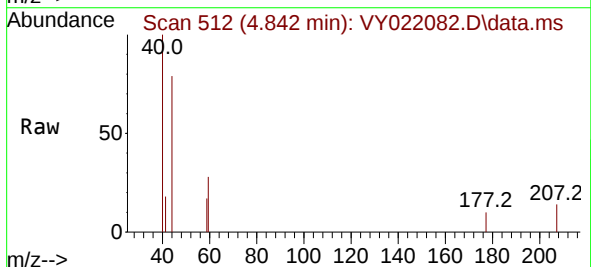
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MSVOA_Y
ClientSampleId :
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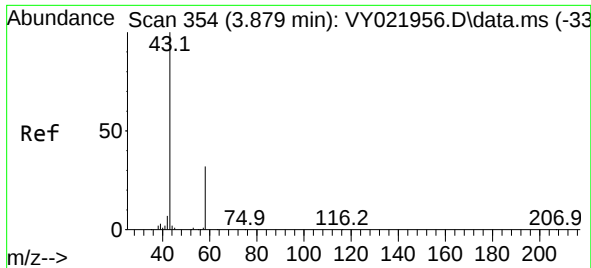
Tgt Ion:168 Resp: 183390
Ion Ratio Lower Upper
168 100
99 52.0 43.1 64.7



#11
Tert butyl alcohol
Concen: 3.635 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.037 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

Tgt Ion: 59 Resp: 338
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

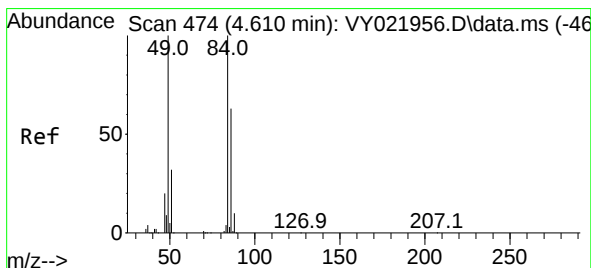
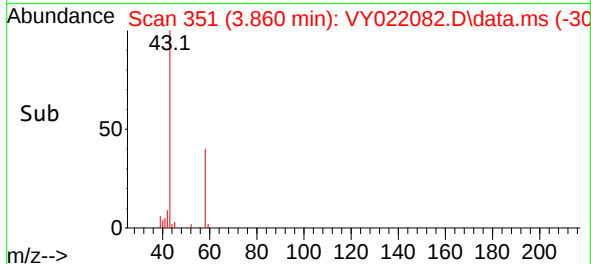
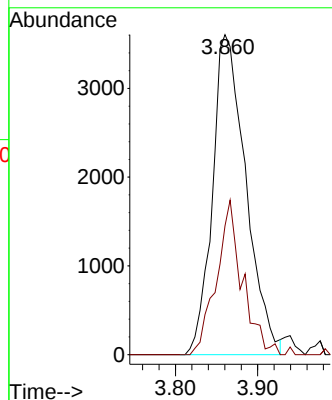
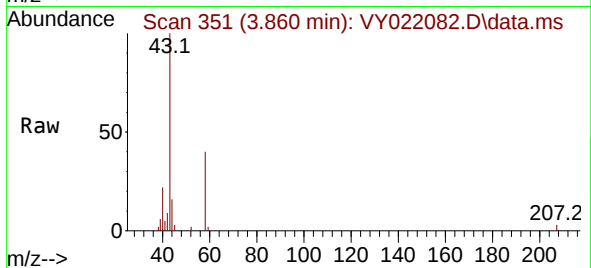




#16
Acetone
Concen: 26.837 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.019 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

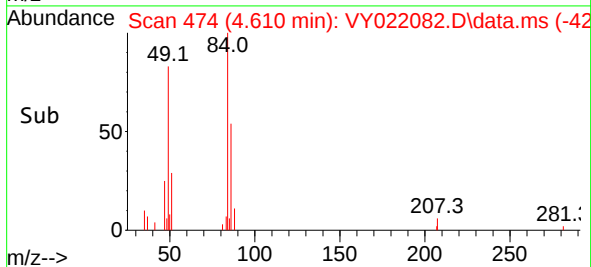
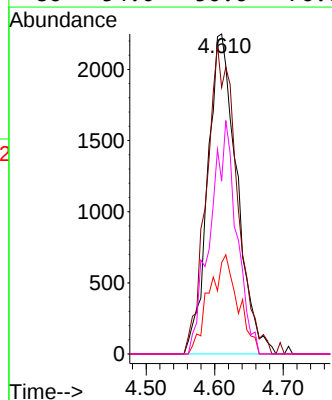
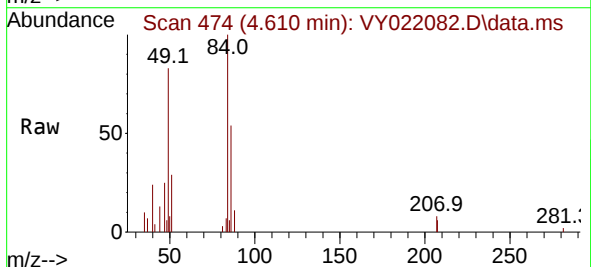
Instrument :
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ClientSampleId :
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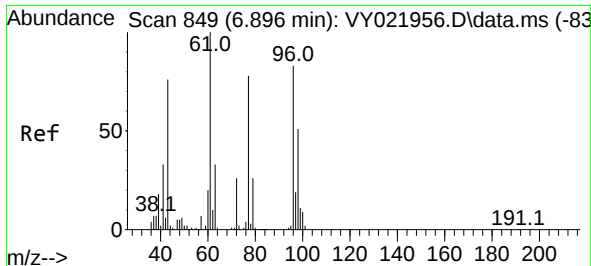
Tgt Ion: 43 Resp: 10178
Ion Ratio Lower Upper
43 100
58 40.3 27.0 40.4



#20
Methylene Chloride
Concen: 3.100 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

Tgt Ion: 84 Resp: 6641
Ion Ratio Lower Upper
84 100
49 83.3 79.9 119.9
51 28.5 25.4 38.0
86 54.0 50.6 76.0

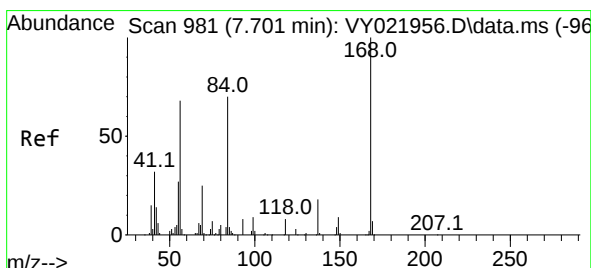
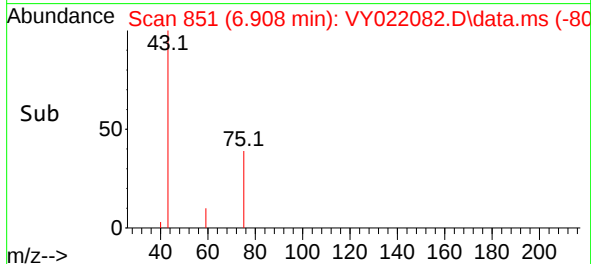
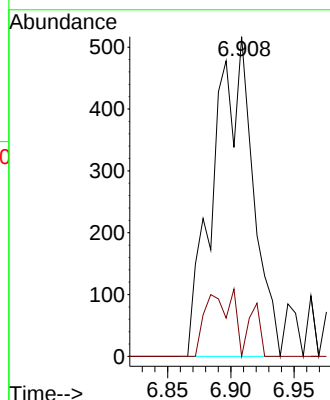
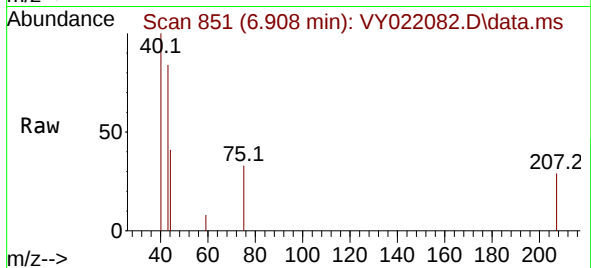




#25
2-Butanone
Concen: 2.914 ug/l
RT: 6.908 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

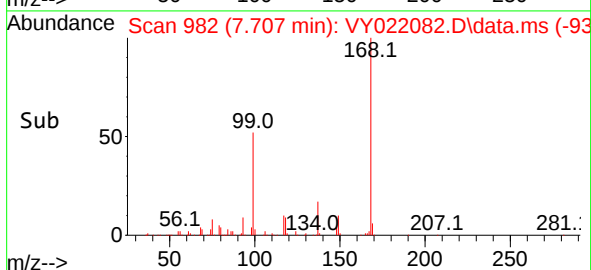
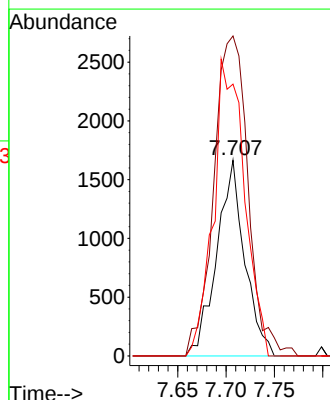
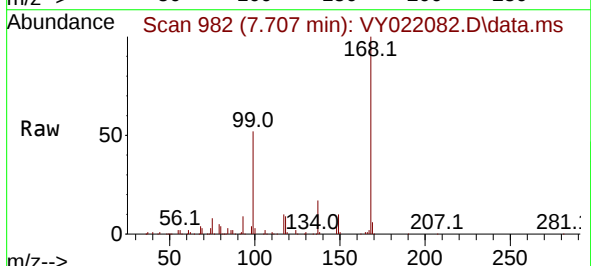
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-32-042325

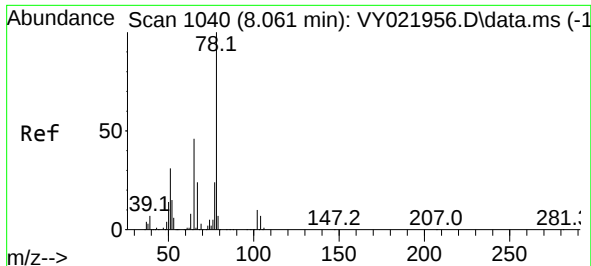
Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
72 0.0 27.0 40.4#



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

Tgt Ion: 56 Resp: 3345
Ion Ratio Lower Upper
56 100
69 163.5 29.4 44.2#
84 138.9 82.2 123.4#

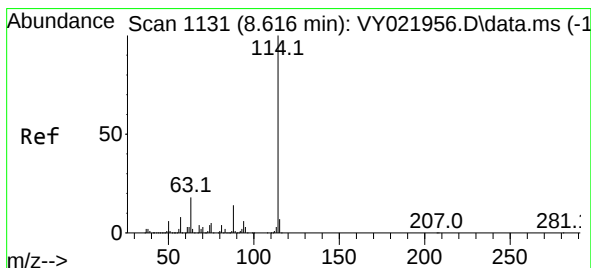
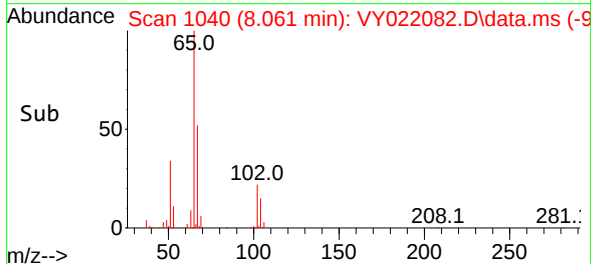
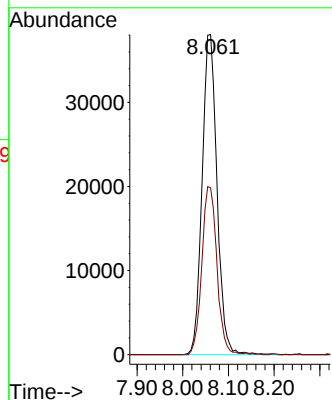
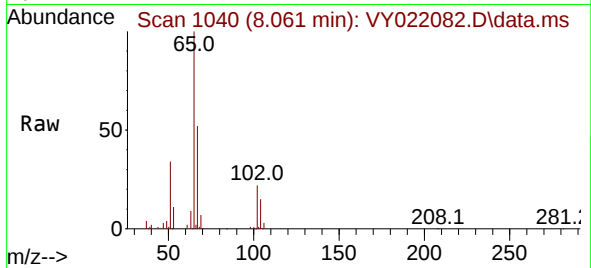




#33
 1,2-Dichloroethane-d4
 Concen: 50.741 ug/l
 RT: 8.061 min Scan# 110
 Delta R.T. -0.000 min
 Lab File: VY022082.D
 Acq: 30 Apr 2025 14:44

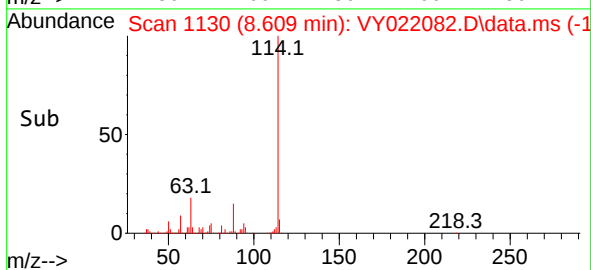
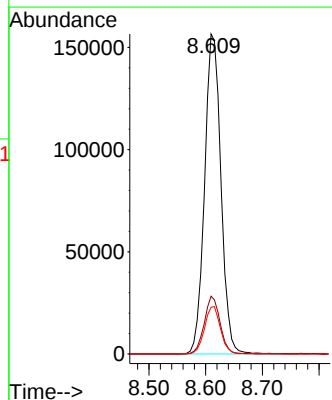
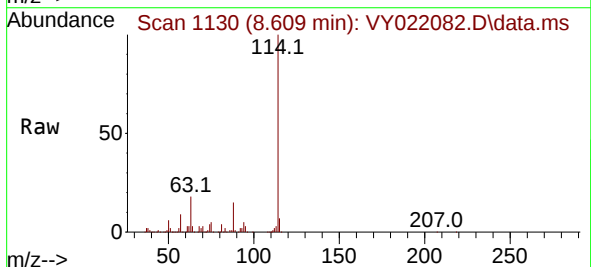
Instrument :
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 ClientSampleId :
 OU4-PCS-TC-32-042325

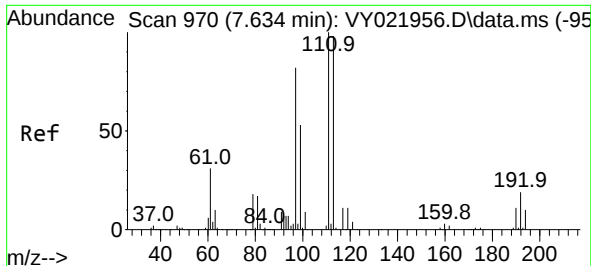
Tgt Ion: 65 Resp: 85952
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022082.D
 Acq: 30 Apr 2025 14:44

Tgt Ion: 114 Resp: 313489
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.4
 88 14.6 0.0 28.2

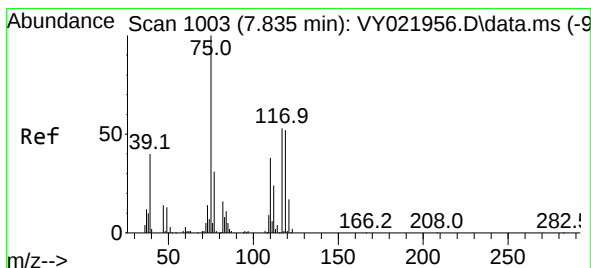
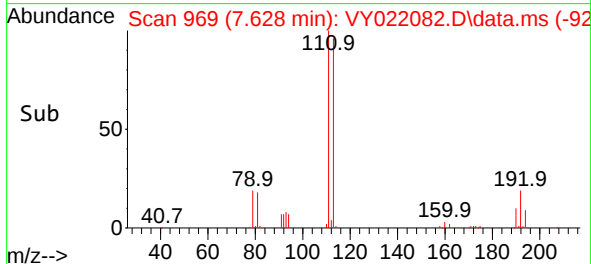
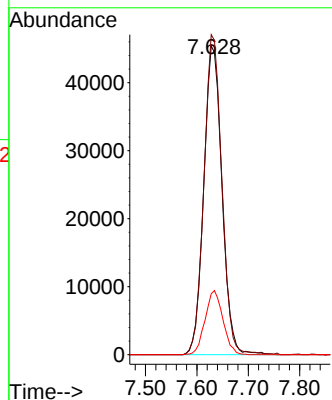
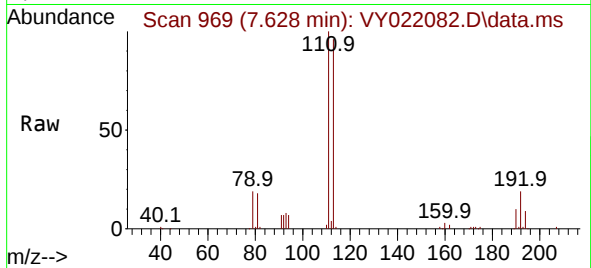




#35
Dibromofluoromethane
Concen: 54.037 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

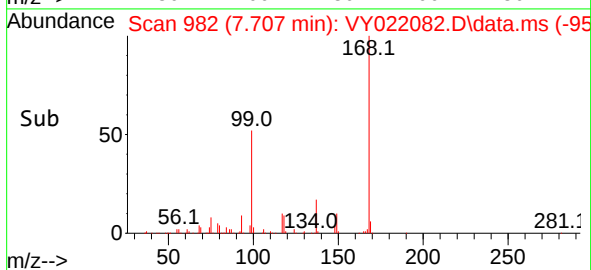
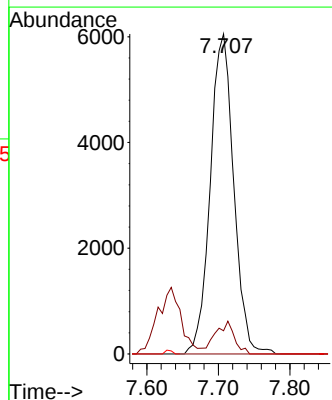
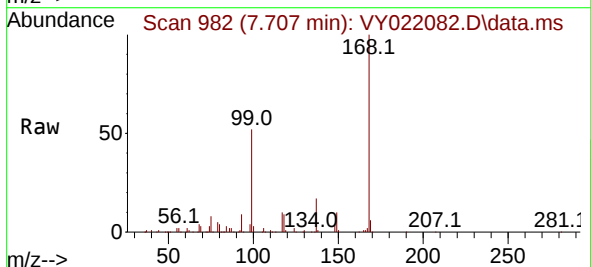
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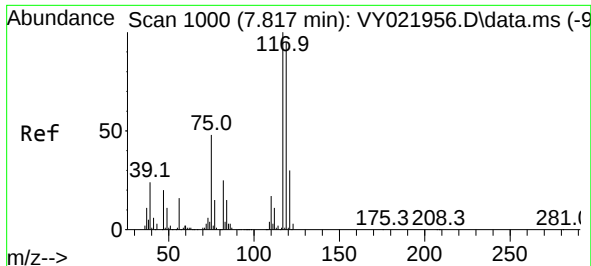
Tgt Ion:113 Resp: 111914
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.8
192 20.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.954 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

Tgt Ion: 75 Resp: 13782
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.5 38.3#

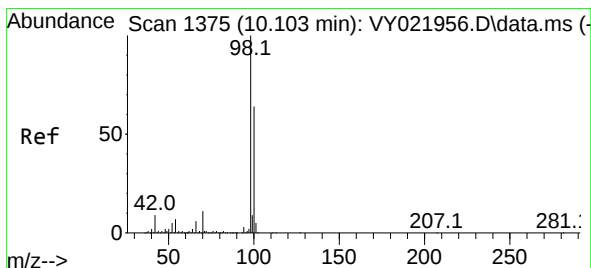
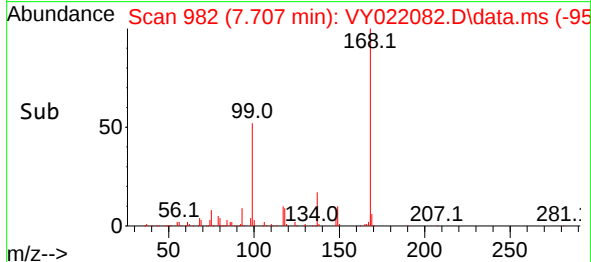
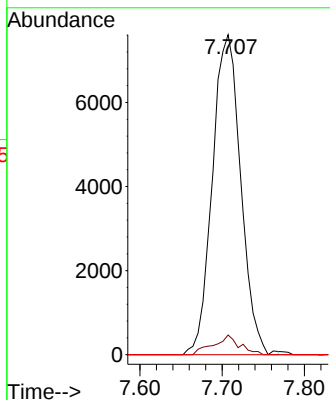
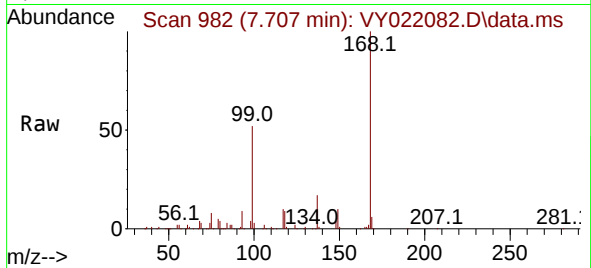




#38
Carbon Tetrachloride
Concen: 5.488 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

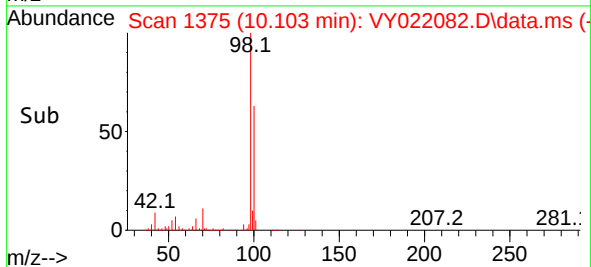
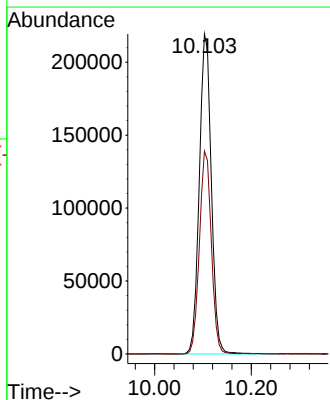
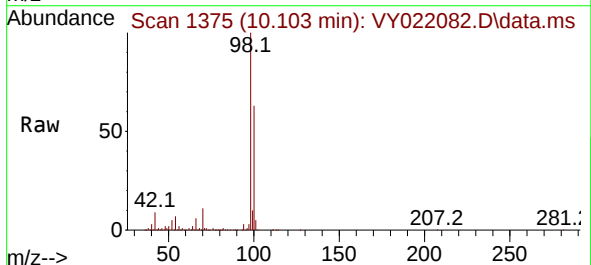
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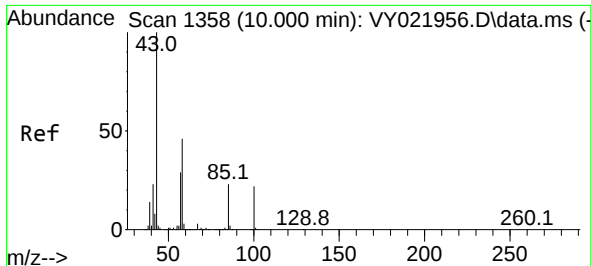
Tgt Ion:117 Resp: 18245
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.504 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

Tgt Ion: 98 Resp: 378713
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4

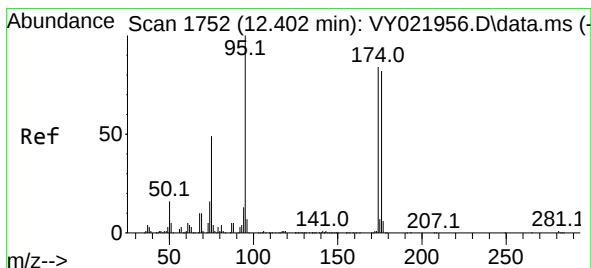
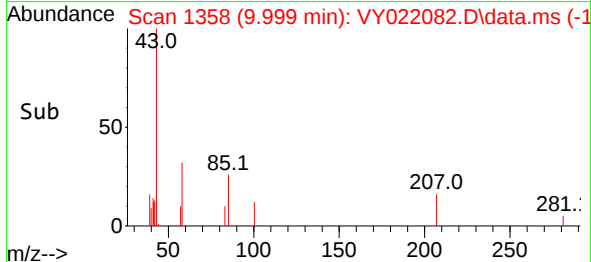
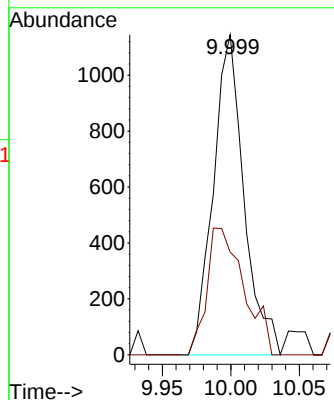
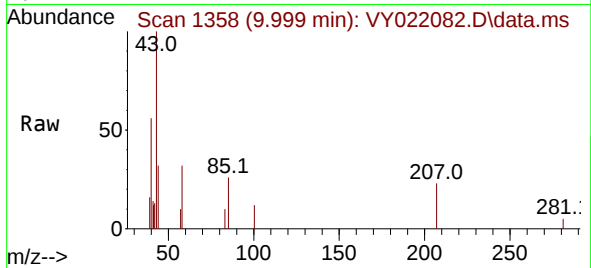




#51
4-Methyl-2-Pentanone
Concen: 1.772 ug/l
RT: 9.999 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

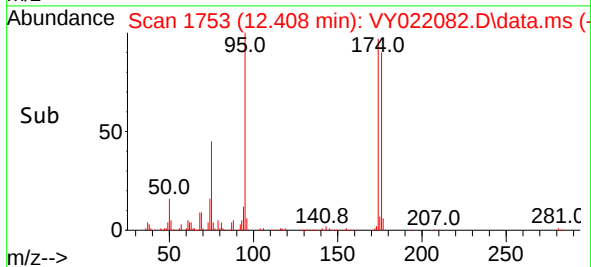
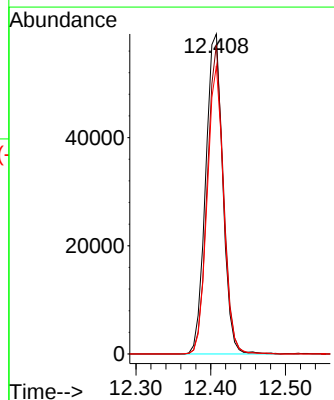
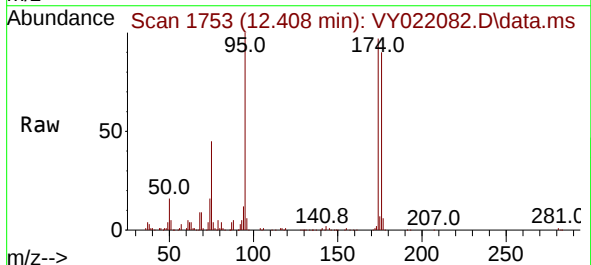
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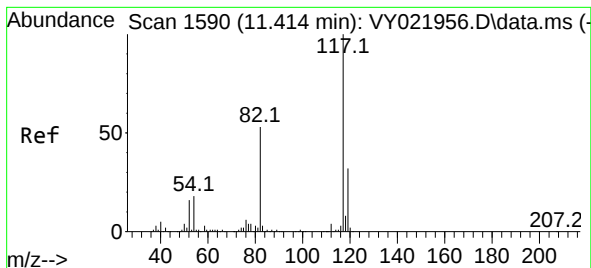
Tgt Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
58 48.0 36.6 55.0



#62
4-Bromofluorobenzene
Concen: 35.812 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

Tgt Ion: 95 Resp: 94131
Ion Ratio Lower Upper
95 100
174 91.9 0.0 179.0
176 86.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022082.D

Acq: 30 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-32-042325

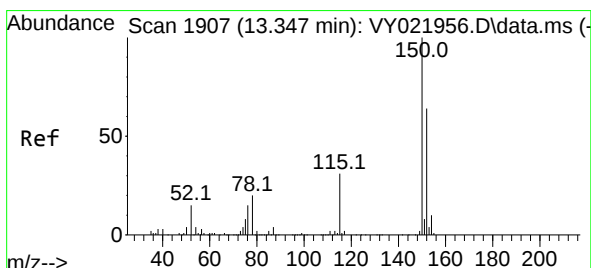
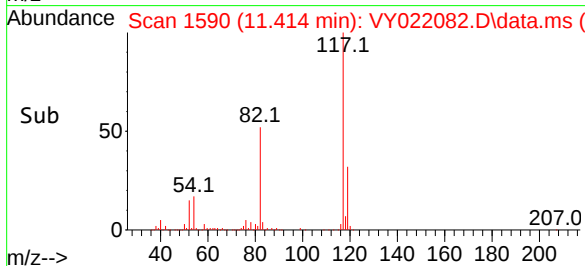
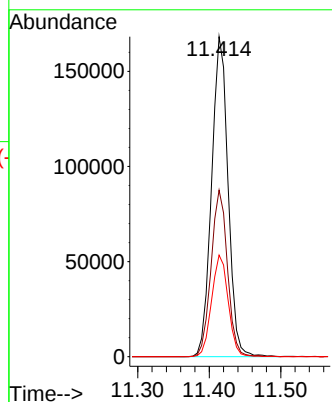
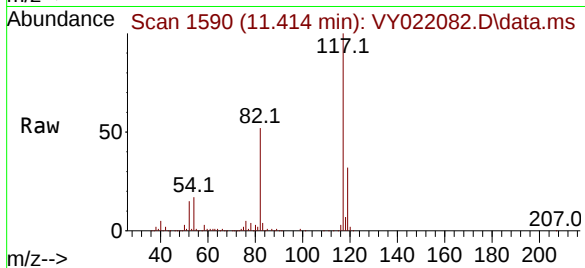
Tgt Ion:117 Resp: 269104

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022082.D

Acq: 30 Apr 2025 14:44

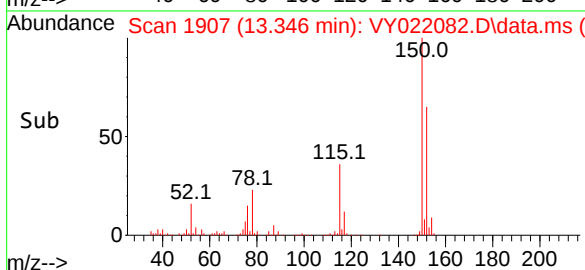
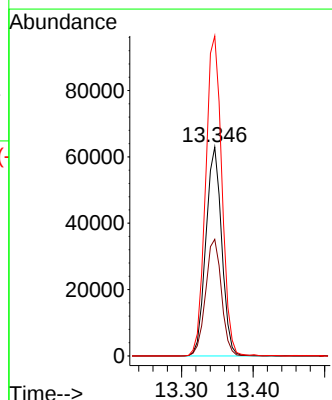
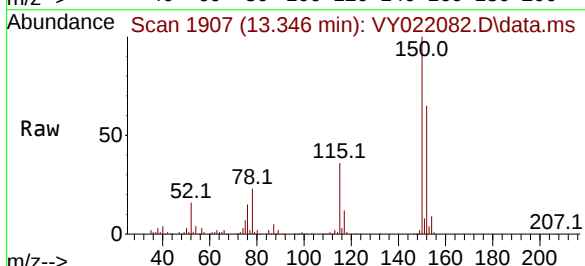
Tgt Ion:152 Resp: 96684

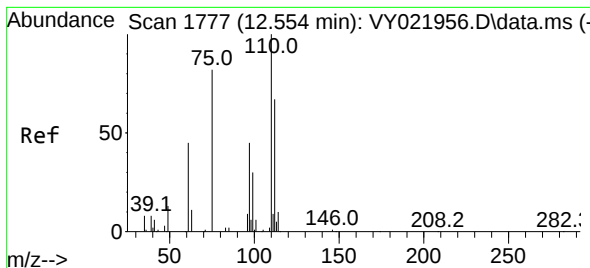
Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

150 157.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 53.270 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022082.D

Acq: 30 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

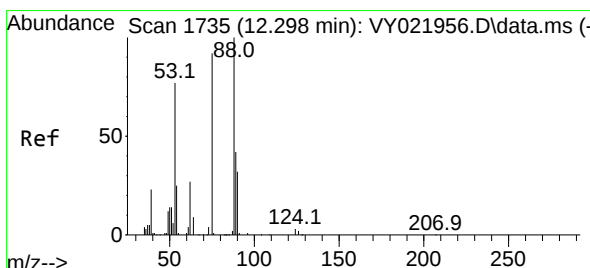
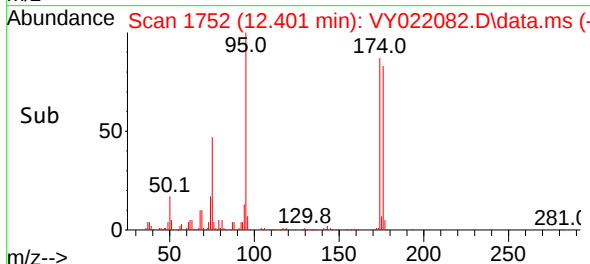
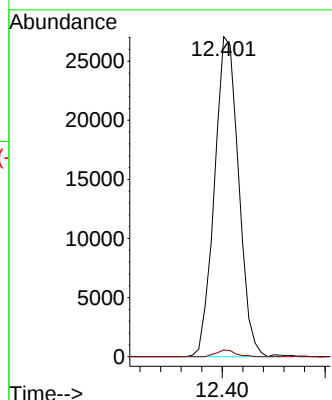
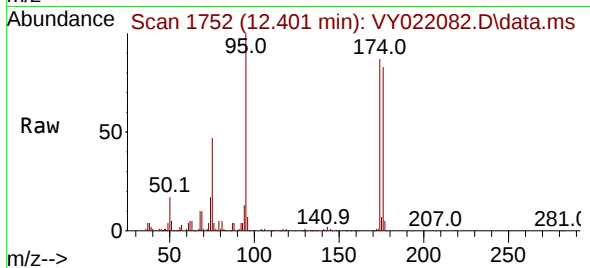
OU4-PCS-TC-32-042325

Tgt Ion: 75 Resp: 44115

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.281 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.103 min

Lab File: VY022082.D

Acq: 30 Apr 2025 14:44

Tgt Ion: 75 Resp: 44115

Ion Ratio Lower Upper

75 100

53 0.1 66.0 99.0#

89 0.1 37.2 55.8#

