

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022080.D
 Acq On : 30 Apr 2025 13:58
 Operator : SY/MD
 Sample : Q1883-07
 Misc : 13.73g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-30-042325

Quant Time: May 01 01:35:54 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

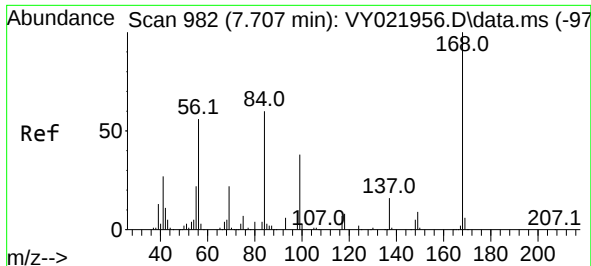
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	297053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	550509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	495604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	200894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141671	51.633	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.260%	
35) Dibromofluoromethane	7.634	113	187249	51.485	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.980%	
50) Toluene-d8	10.103	98	663622	48.400	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.800%	
62) 4-Bromofluorobenzene	12.401	95	268406	58.150	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 116.300%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	325	Below Cal		89
20) Methylene Chloride	4.616	84	6534	1.883	ug/l	85
31) Cyclohexane	7.707	56	5260	1.160	ug/l #	9
36) 1,1-Dichloropropene	7.701	75	20793	4.256	ug/l #	48
38) Carbon Tetrachloride	7.707	117	28713	4.919	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	2072	1.173	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	128726	74.808	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	128726	180.148	ug/l #	16

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

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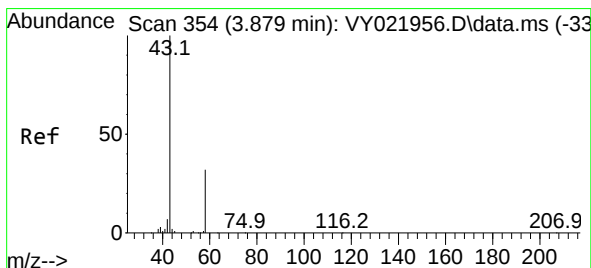
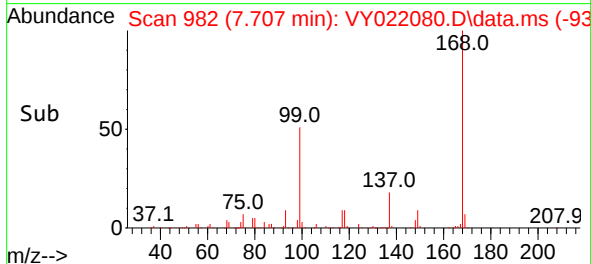
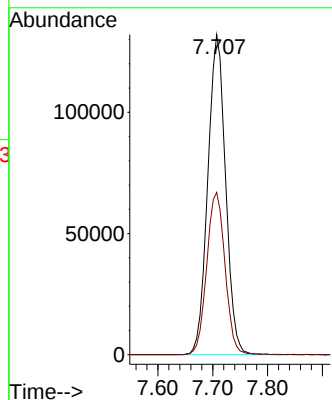
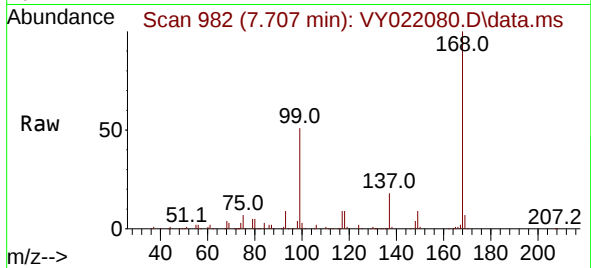




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

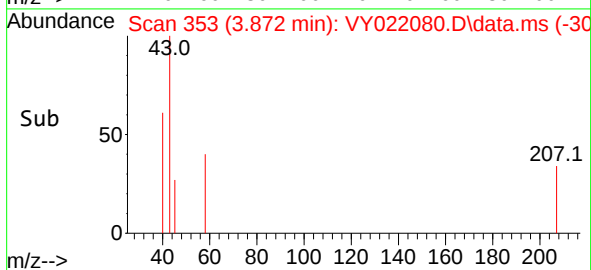
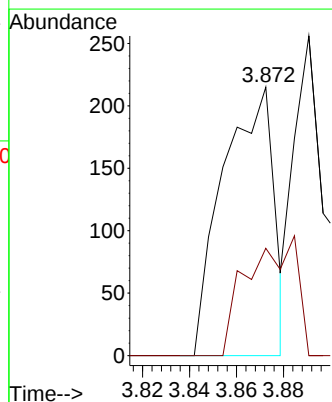
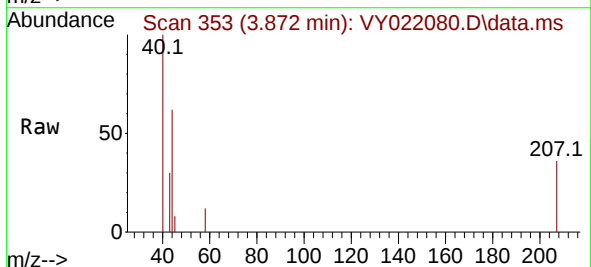
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

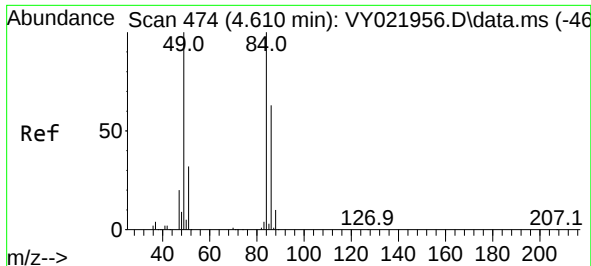
Tgt Ion:168 Resp: 297053
Ion Ratio Lower Upper
168 100
99 50.6 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
58 40.0 27.0 40.4

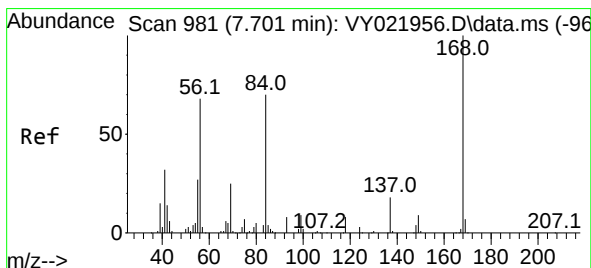
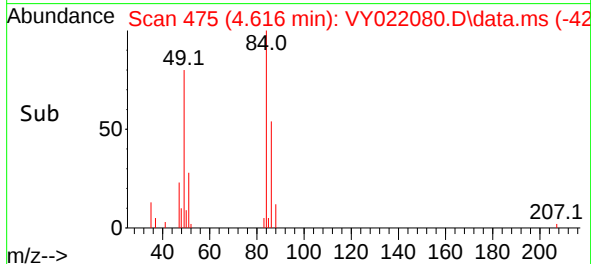
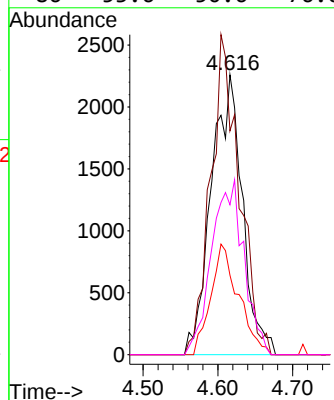
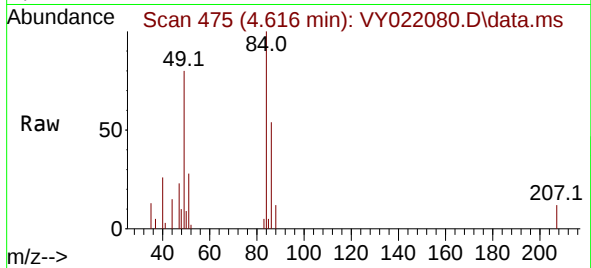




#20
Methylene Chloride
Concen: 1.883 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

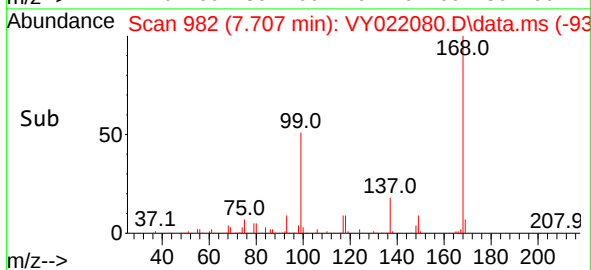
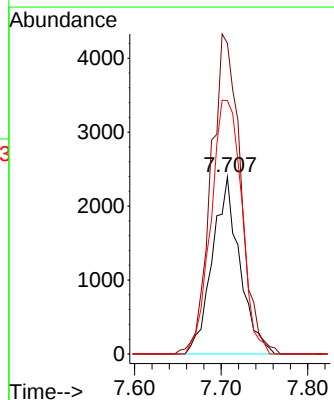
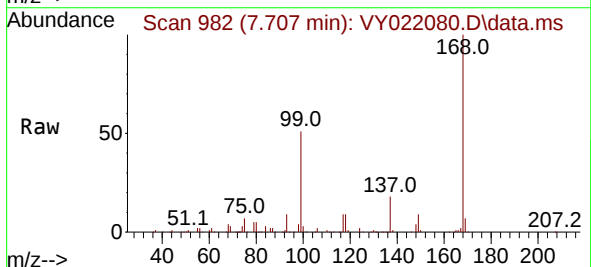
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:	84	Resp:	6534
Ion	Ratio	Lower	Upper
84	100		
49	80.0	79.9	119.9
51	28.4	25.4	38.0
86	53.6	50.6	76.0



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion:	56	Resp:	5260
Ion	Ratio	Lower	Upper
56	100		
69	175.6	29.4	44.2#
84	143.2	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 51.633 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022080.D

Acq: 30 Apr 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

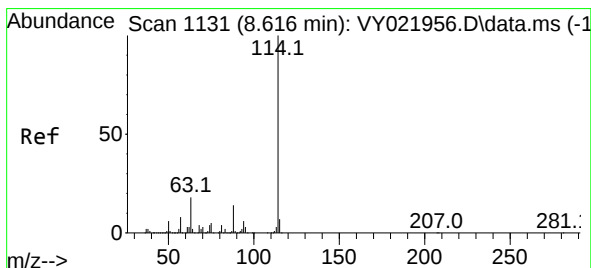
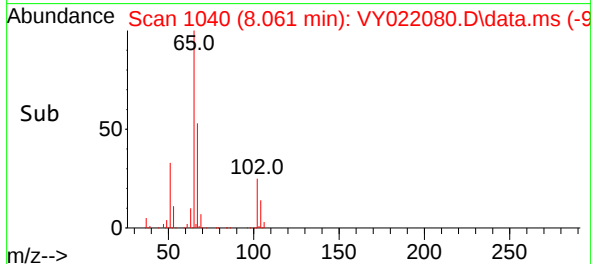
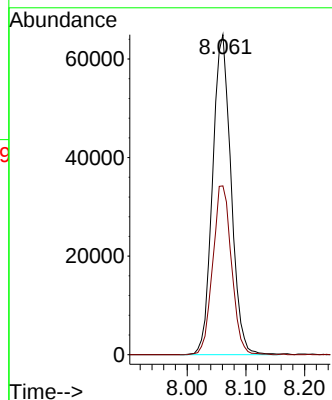
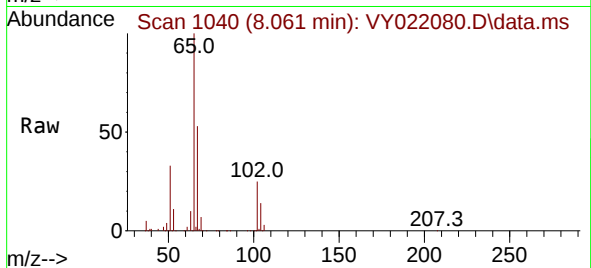
OU4-PCS-TC-30-042325

Tgt Ion: 65 Resp: 141671

Ion Ratio Lower Upper

65 100

67 53.5 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: VY022080.D

Acq: 30 Apr 2025 13:58

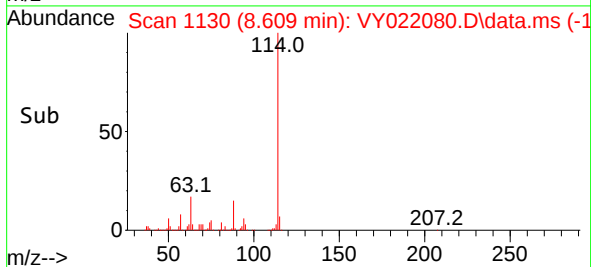
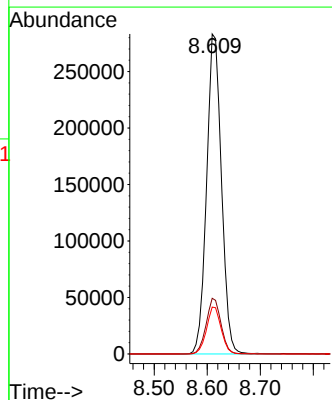
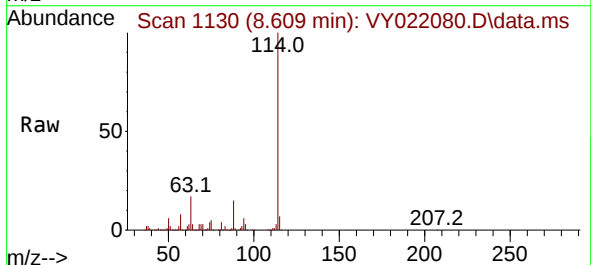
Tgt Ion: 114 Resp: 550509

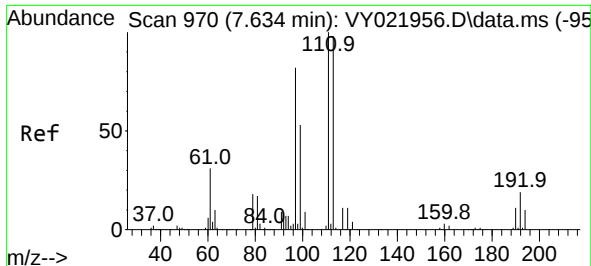
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.7 0.0 28.2

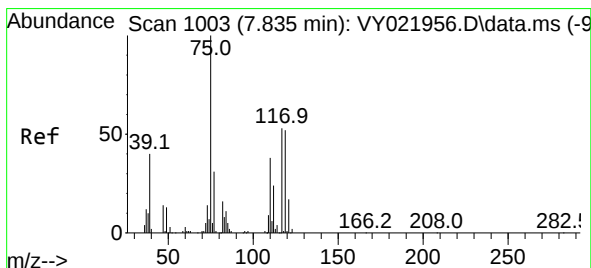
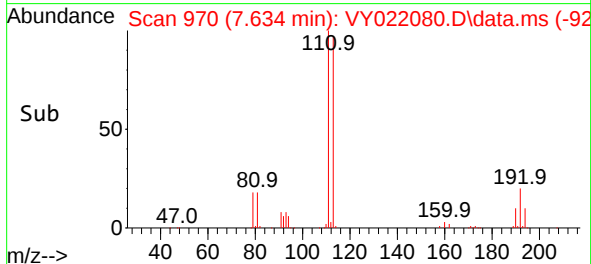
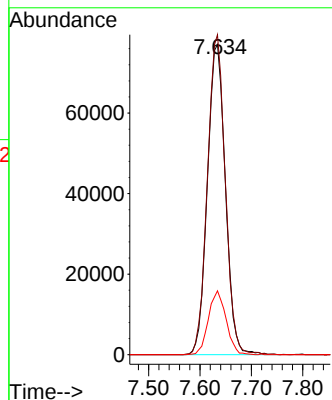
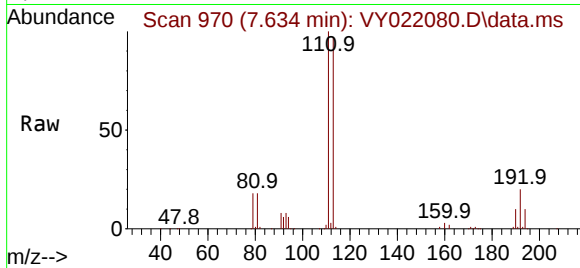




#35
Dibromofluoromethane
Concen: 51.485 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

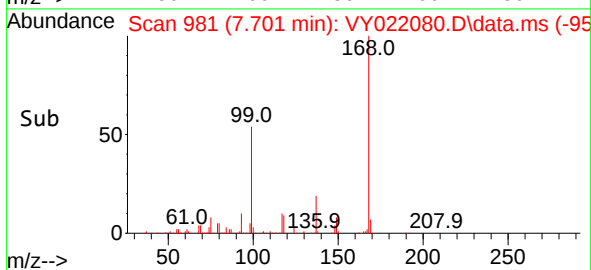
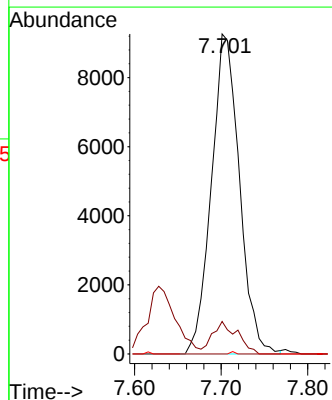
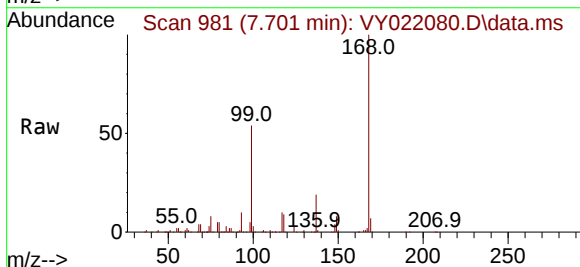
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MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

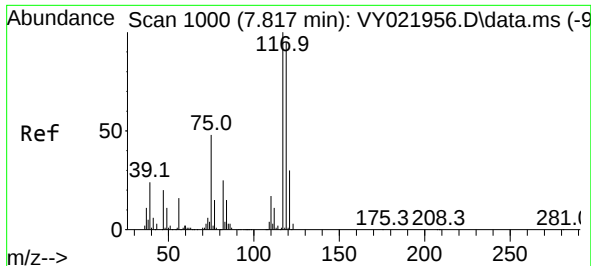
Tgt Ion:113 Resp: 187249
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 20.2 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.256 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion: 75 Resp: 20793
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.1 25.5 38.3#

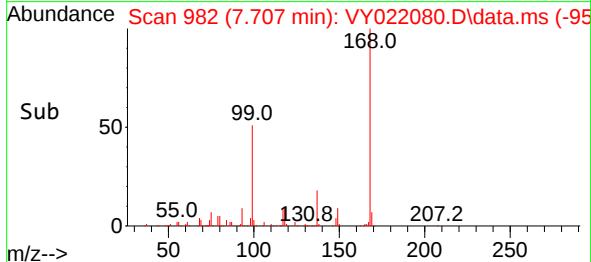
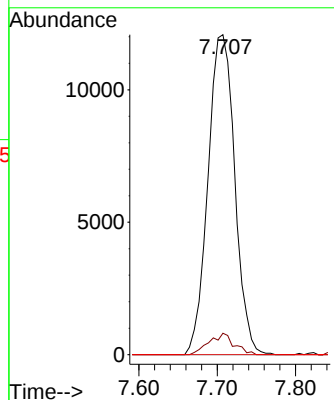
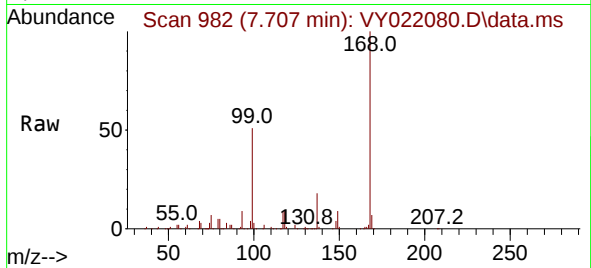




#38
Carbon Tetrachloride
Concen: 4.919 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

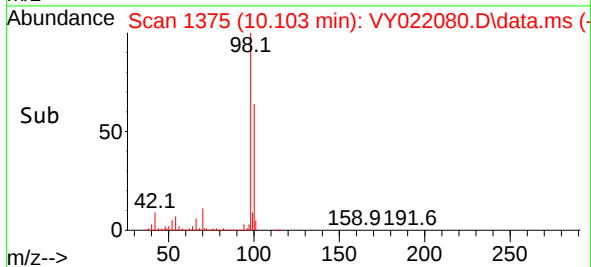
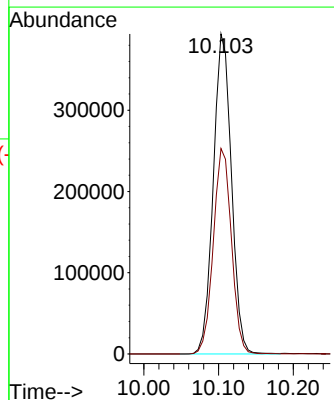
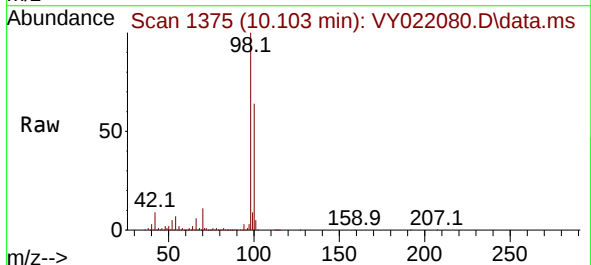
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ClientSampleId :
OU4-PCS-TC-30-042325

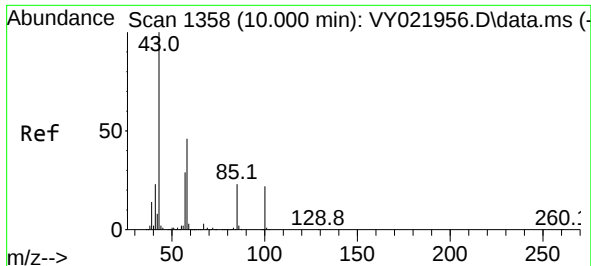
Tgt Ion:117 Resp: 28713
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.400 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion: 98 Resp: 663622
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

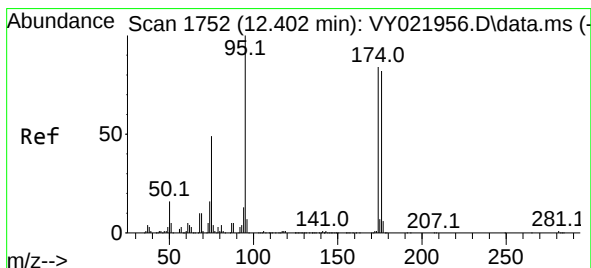
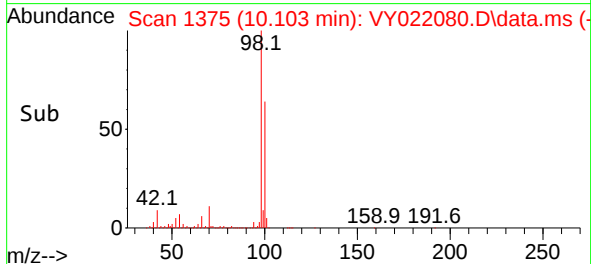
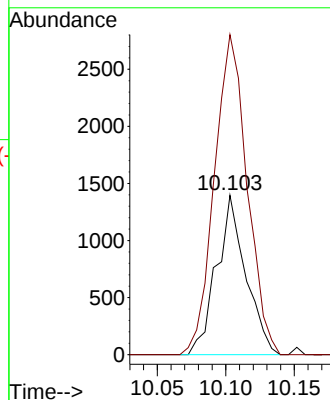
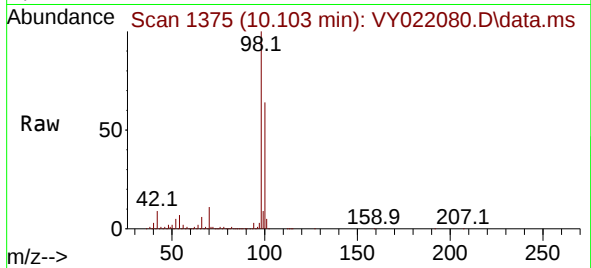




#51
4-Methyl-2-Pentanone
Concen: 1.173 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.103 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

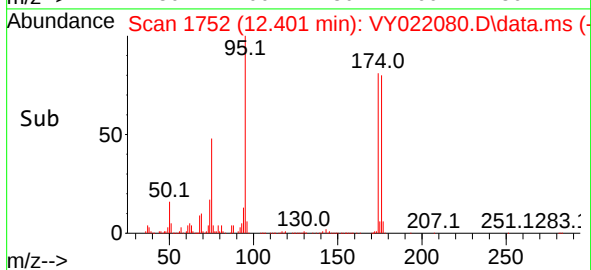
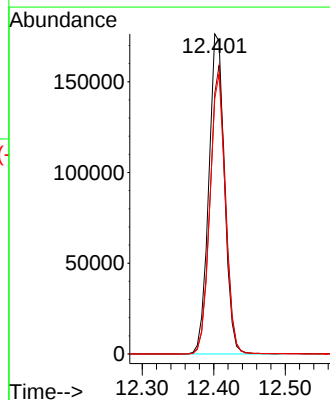
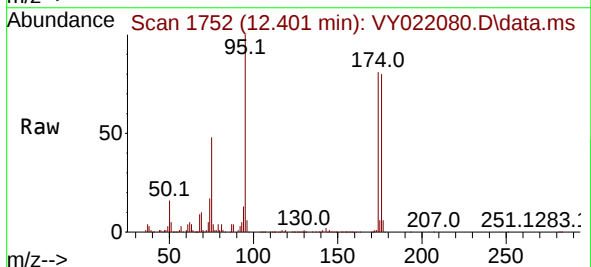
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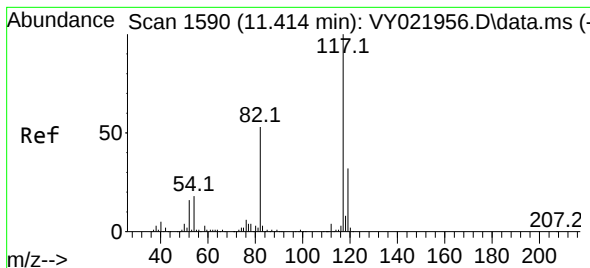
Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
58 225.2 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 58.150 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion: 95 Resp: 268406
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.0
176 86.1 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: VY022080.D

Acq: 30 Apr 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-30-042325

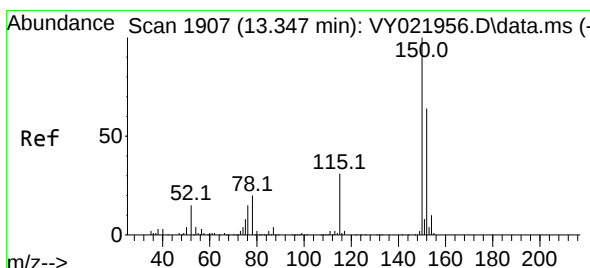
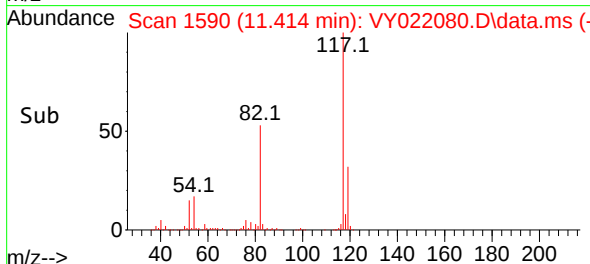
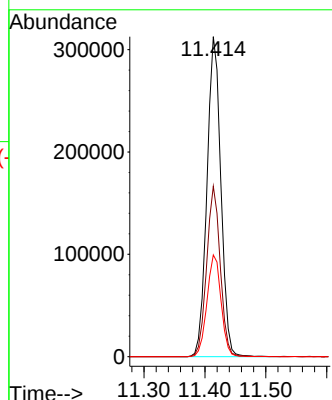
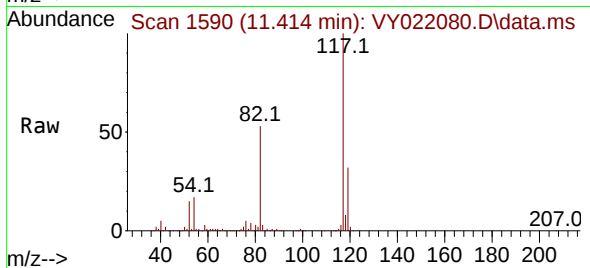
Tgt Ion:117 Resp: 495604

Ion Ratio Lower Upper

117 100

82 53.2 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: VY022080.D

Acq: 30 Apr 2025 13:58

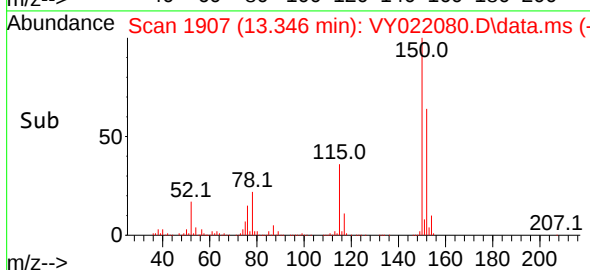
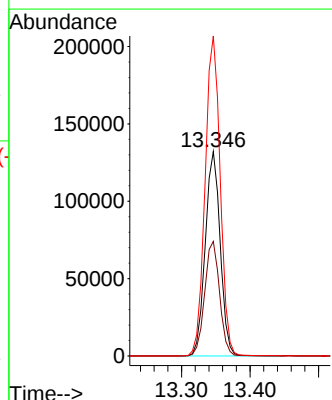
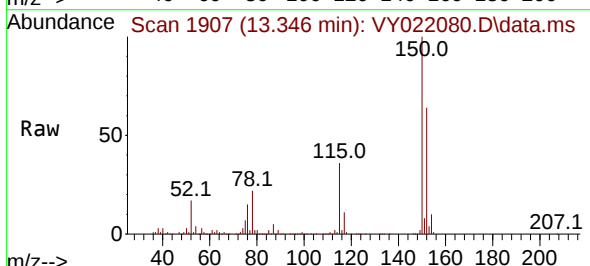
Tgt Ion:152 Resp: 200894

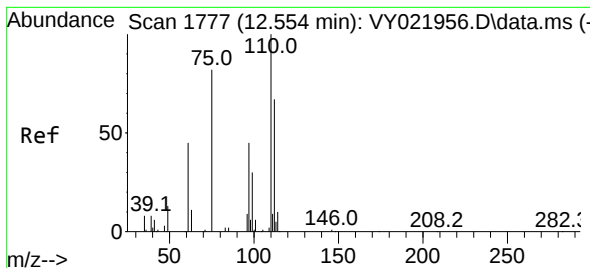
Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

150 158.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 74.808 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022080.D

Acq: 30 Apr 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

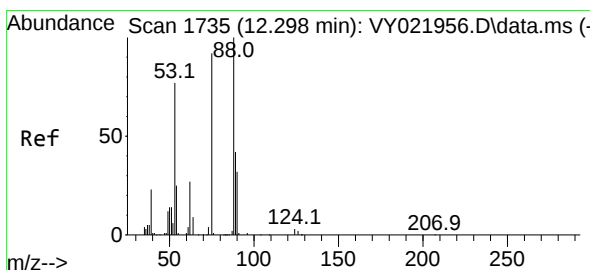
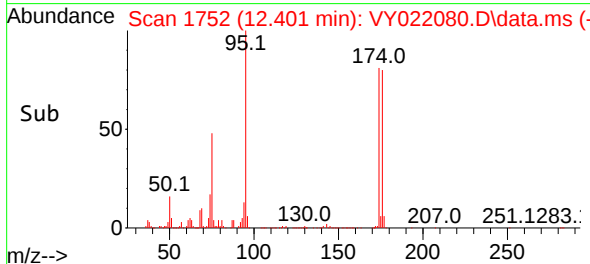
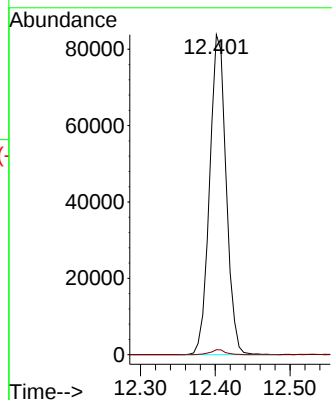
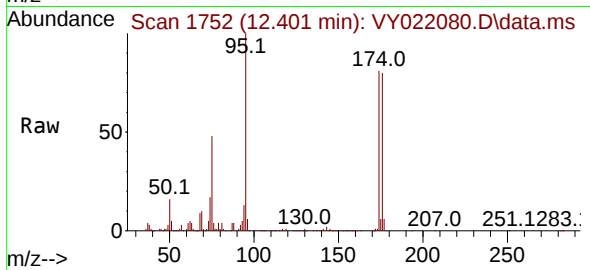
OU4-PCS-TC-30-042325

Tgt Ion: 75 Resp: 128726

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 180.148 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.103 min

Lab File: VY022080.D

Acq: 30 Apr 2025 13:58

Tgt Ion: 75 Resp: 128726

Ion Ratio Lower Upper

75 100

53 0.2 66.0 99.0#

89 0.0 37.2 55.8#

