

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080924\
 Data File : VY018974.D
 Acq On : 09 Aug 2024 18:06
 Operator : SY/MD
 Sample : P3518-25
 Misc : 4.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-13-080724

Quant Time: Aug 09 23:30:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

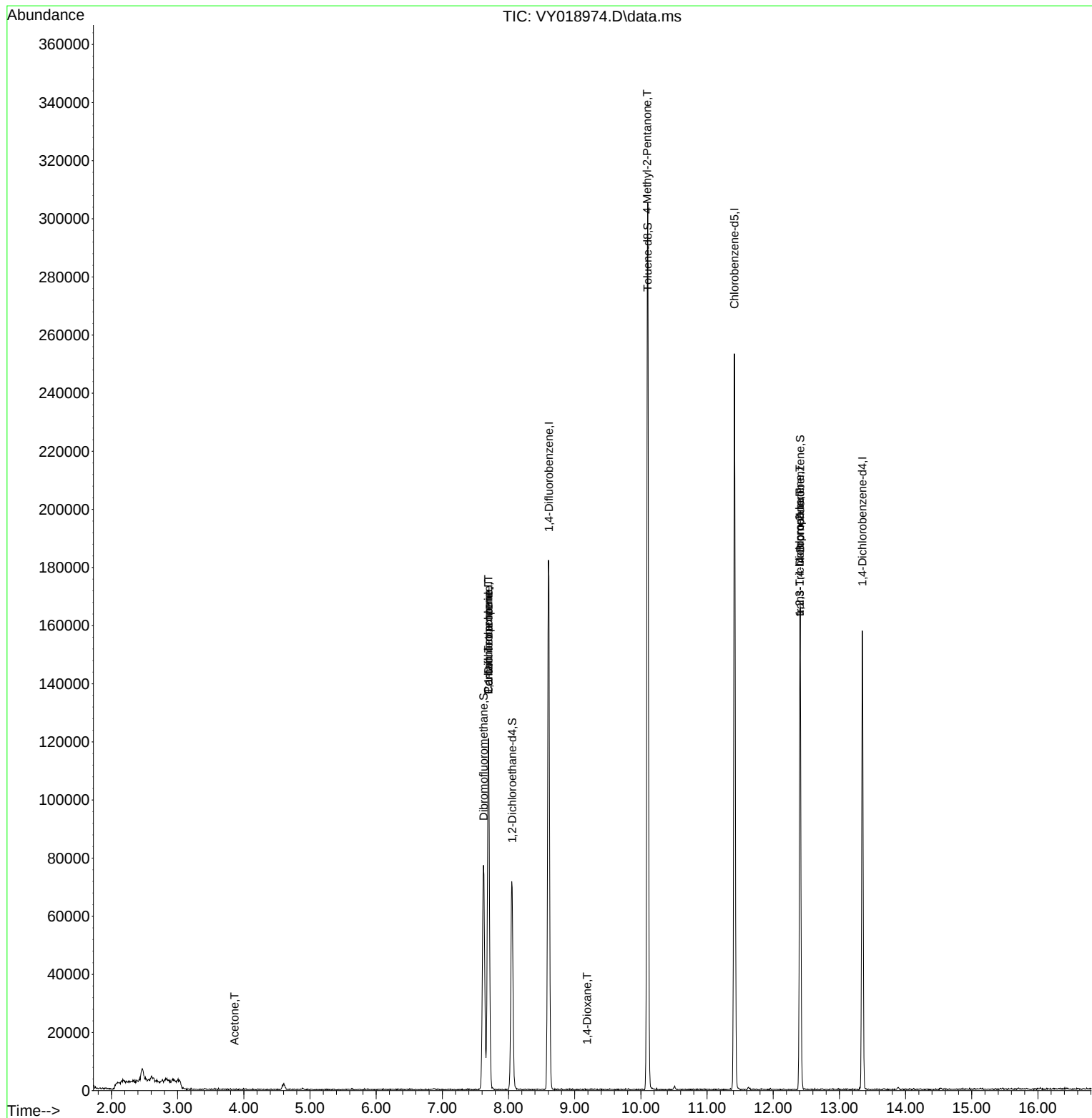
Internal Standards						
1) Pentafluorobenzene	7.695	168	96390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	154324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	118834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	36295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	45339	53.573	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.140%	
35) Dibromofluoromethane	7.622	113	51533	52.283	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.560%	
50) Toluene-d8	10.103	98	189294	50.000	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.000%	
62) 4-Bromofluorobenzene	12.408	95	39801	35.435	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.056	50	23	Below Cal	#	43
11) Tert butyl alcohol	4.817	59	30	Below Cal	#	88
16) Acetone	3.860	43	40	12.700	ug/l #	36
20) Methylene Chloride	4.604	84	1133	Below Cal	#	73
31) Cyclohexane	7.701	56	2449	Below Cal	#	53
36) 1,1-Dichloropropene	7.695	75	7145	5.400	ug/l #	48
38) Carbon Tetrachloride	7.695	117	8790	5.794	ug/l #	17
49) 1,4-Dioxane	9.189	88	26	3.869	ug/l #	20
51) 4-Methyl-2-Pentanone	10.097	43	1067	1.682	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	23942	88.545	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	23942	182.456	ug/l #	16

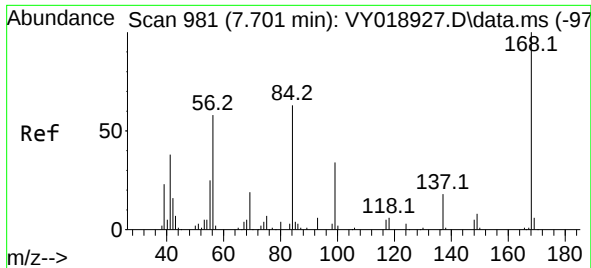
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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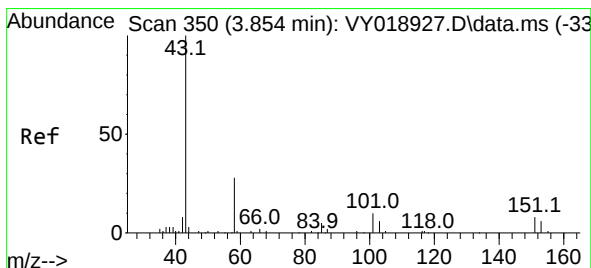
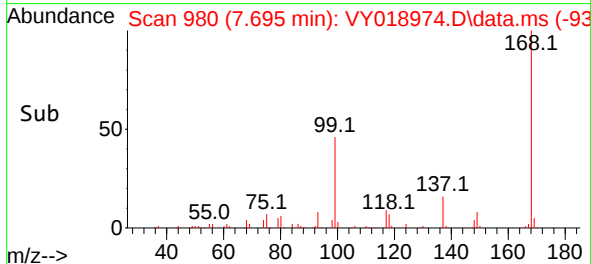
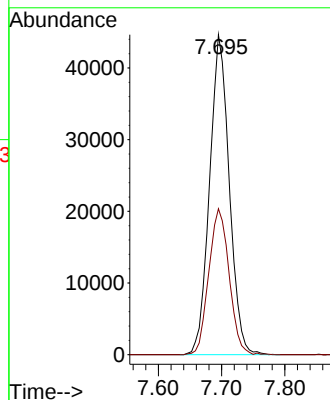
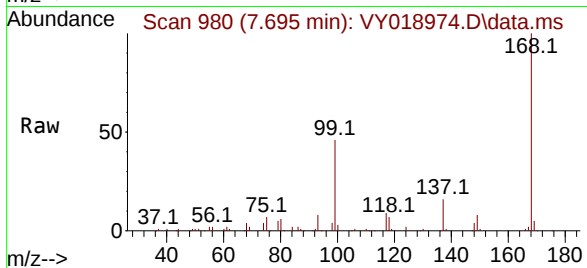




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018974.D
Acq: 09 Aug 2024 18:06

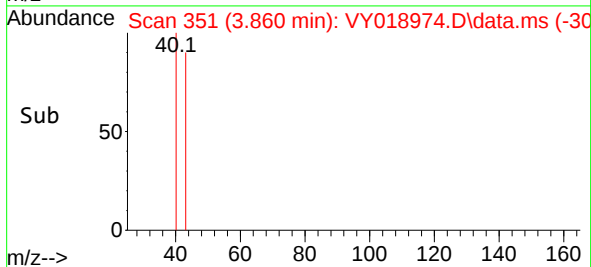
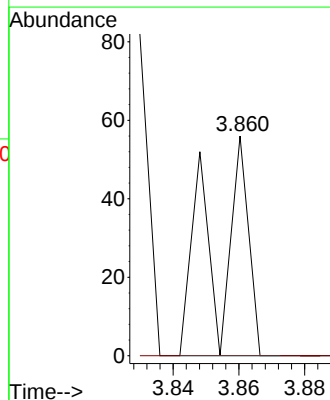
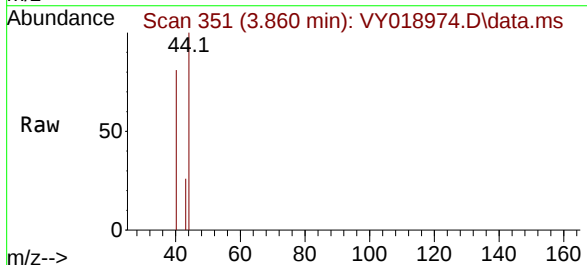
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-13-080724

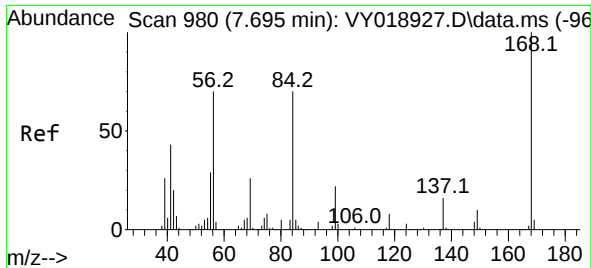
Tgt Ion:168 Resp: 96390
Ion Ratio Lower Upper
168 100
99 45.6 39.1 58.7



#16
Acetone
Concen: 12.700 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY018974.D
Acq: 09 Aug 2024 18:06

Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

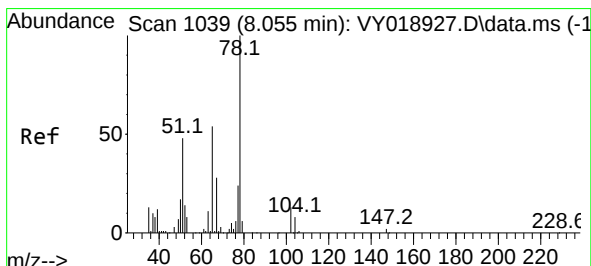
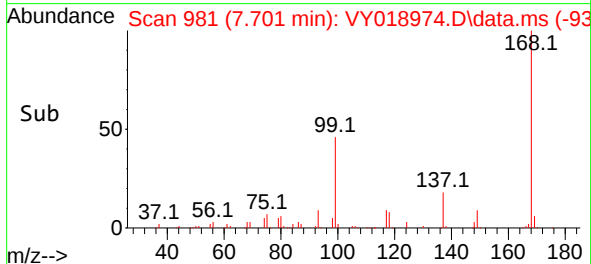
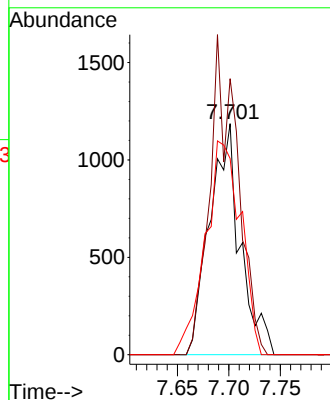
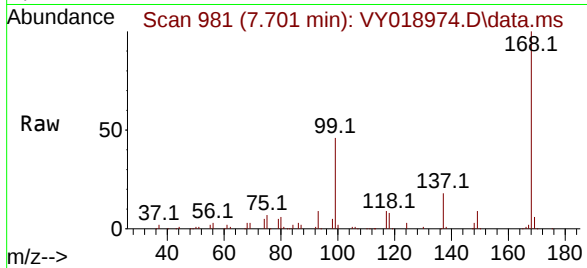




#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018974.D
Acq: 09 Aug 2024 18:06

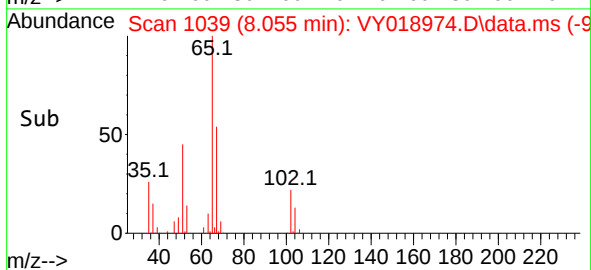
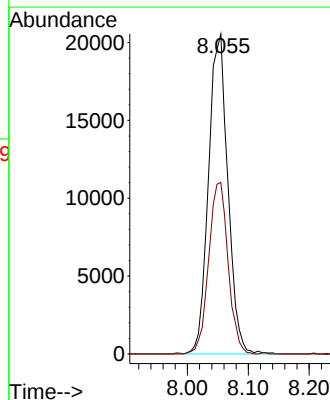
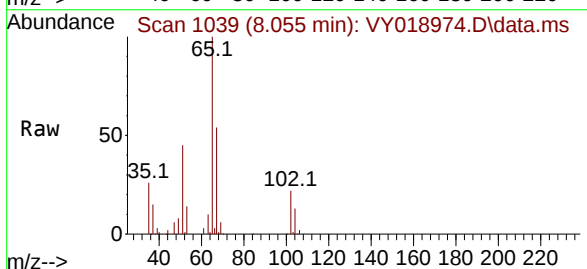
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-13-080724

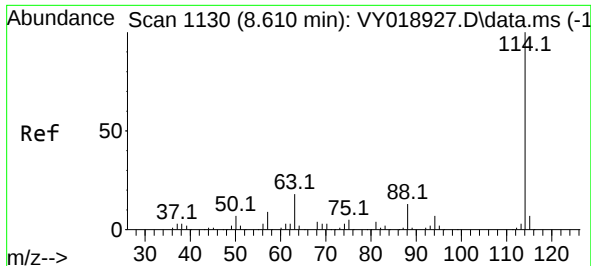
Tgt Ion: 56 Resp: 2449
Ion Ratio Lower Upper
56 100
69 119.5 28.7 43.1#
84 84.9 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 53.573 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY018974.D
Acq: 09 Aug 2024 18:06

Tgt Ion: 65 Resp: 45339
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY018974.D

Acq: 09 Aug 2024 18:06

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-13-080724

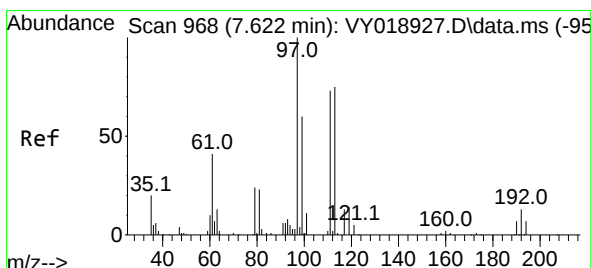
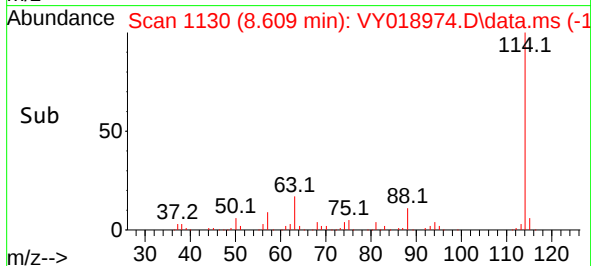
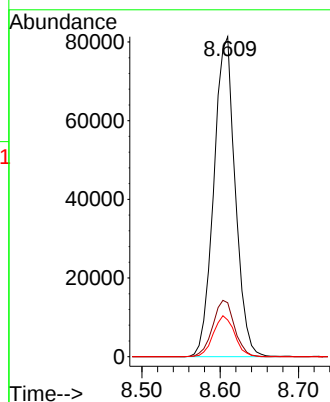
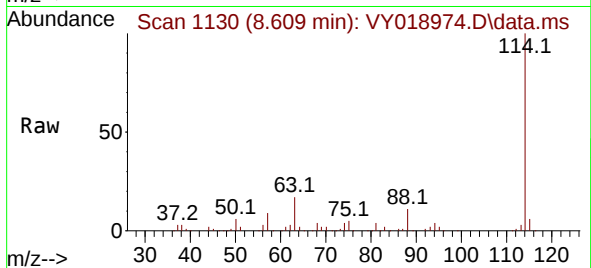
Tgt Ion:114 Resp: 154324

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.0

88 11.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.283 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY018974.D

Acq: 09 Aug 2024 18:06

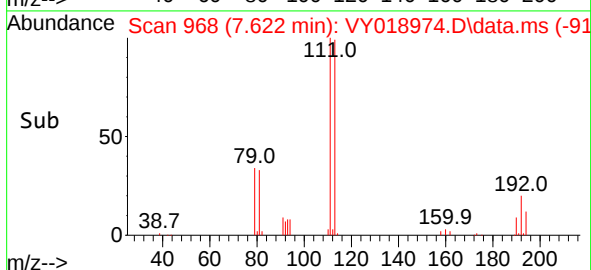
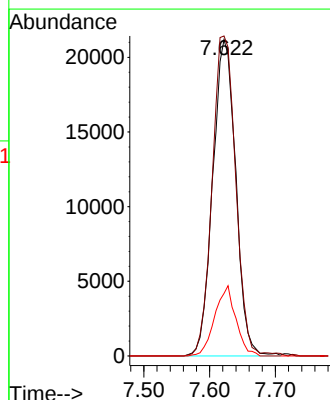
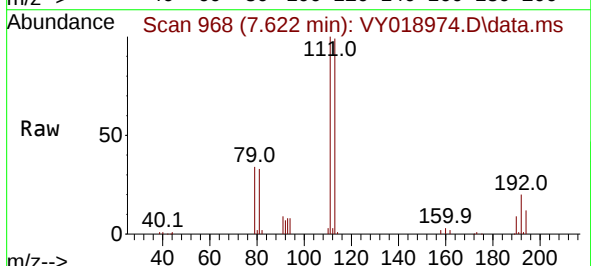
Tgt Ion:113 Resp: 51533

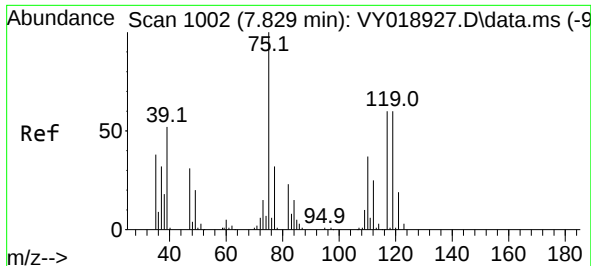
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 20.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.400 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY018974.D

Acq: 09 Aug 2024 18:06

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-13-080724

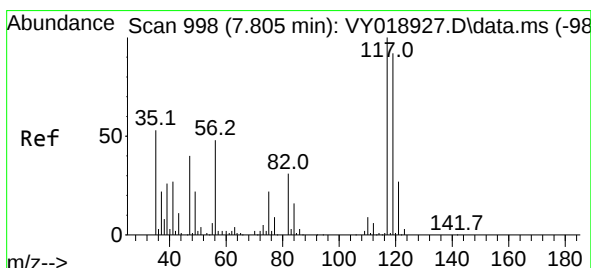
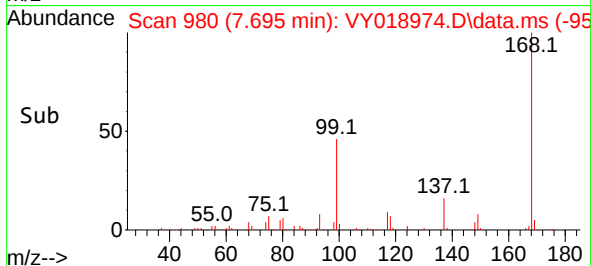
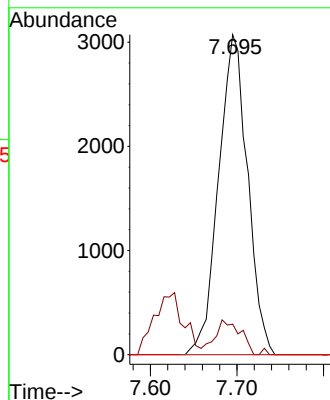
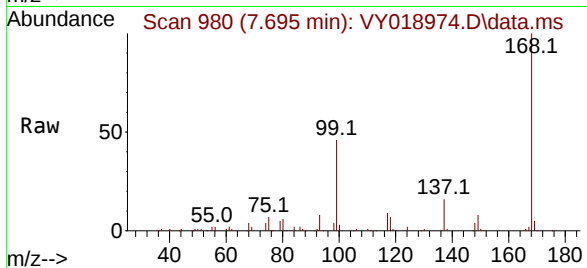
Tgt Ion: 75 Resp: 7145

Ion Ratio Lower Upper

75 100

110 9.5 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.794 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY018974.D

Acq: 09 Aug 2024 18:06

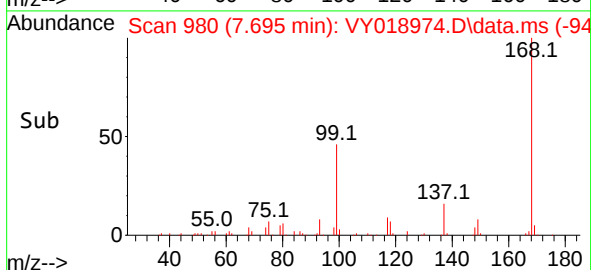
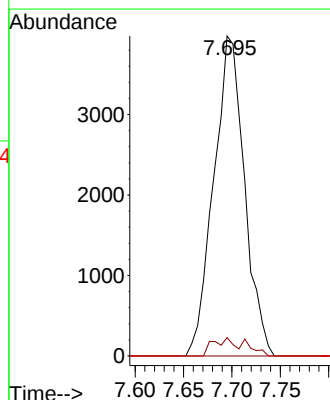
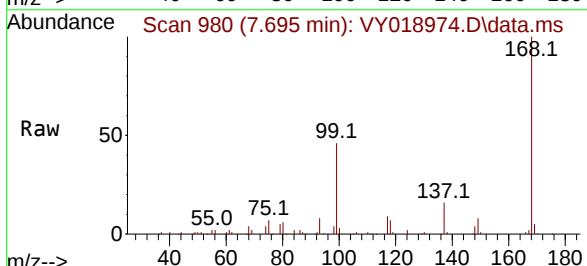
Tgt Ion: 117 Resp: 8790

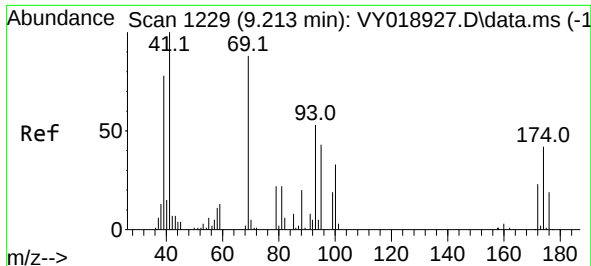
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 3.869 ug/l

RT: 9.189 min Scan# 1225

Delta R.T. -0.024 min

Lab File: VY018974.D

Acq: 09 Aug 2024 18:06

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ClientSampleId :

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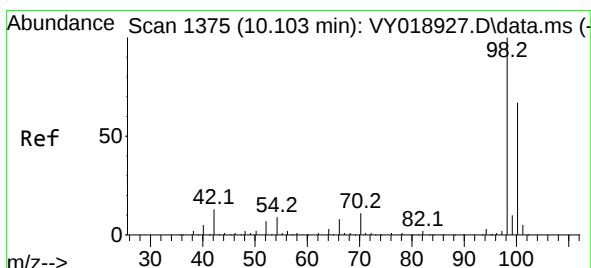
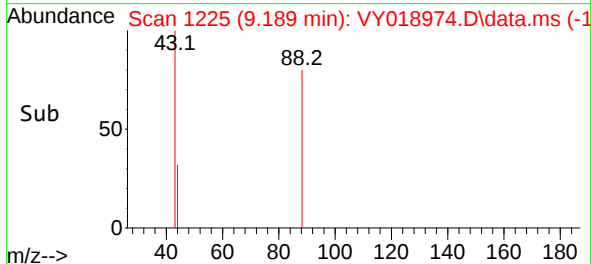
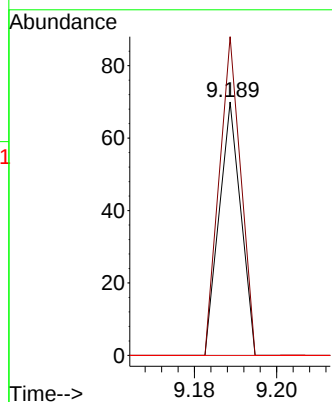
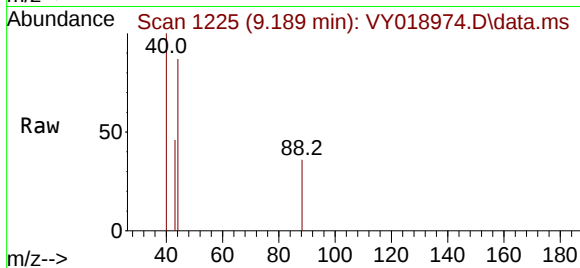
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 123.1 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 50.000 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY018974.D

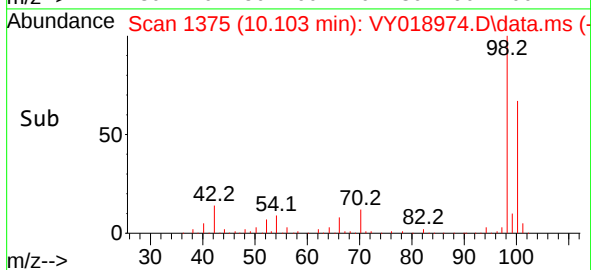
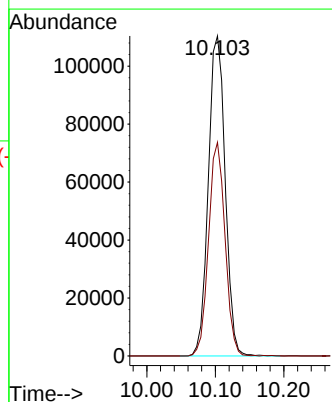
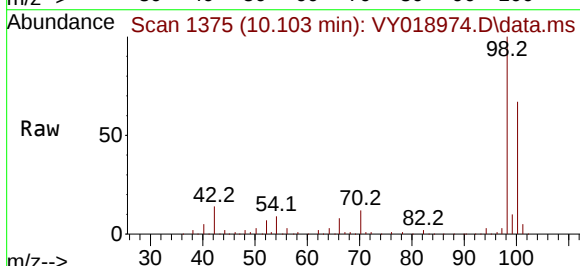
Acq: 09 Aug 2024 18:06

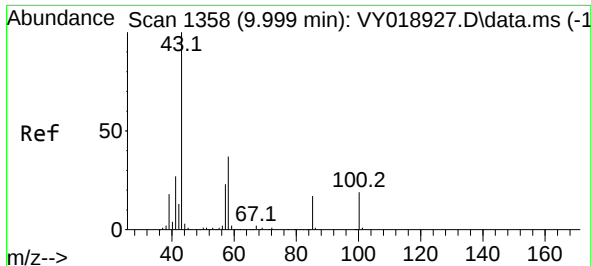
Tgt Ion: 98 Resp: 189294

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.682 ug/l

RT: 10.097 min Scan# 1

Delta R.T. 0.098 min

Lab File: VY018974.D

Acq: 09 Aug 2024 18:06

Instrument :

MSVOA_Y

ClientSampleId :

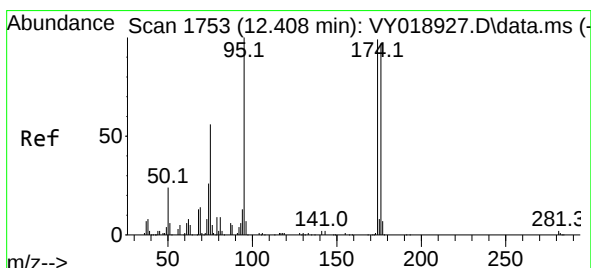
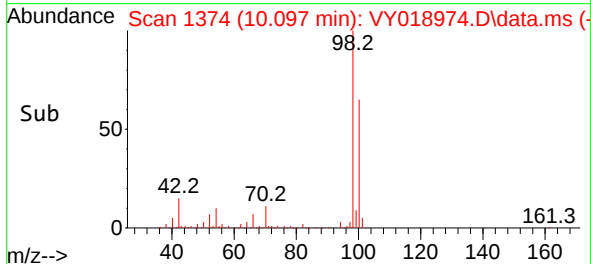
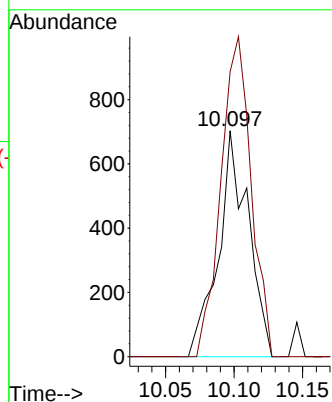
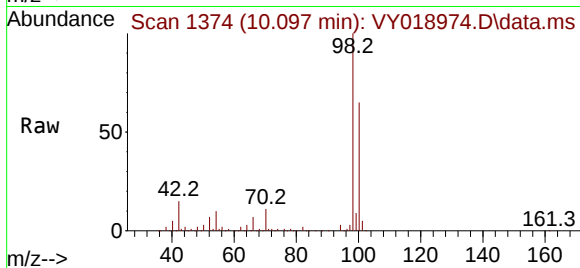
OU4-TS-13-080724

Tgt Ion: 43 Resp: 1067

Ion Ratio Lower Upper

43 100

58 143.3 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 35.435 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY018974.D

Acq: 09 Aug 2024 18:06

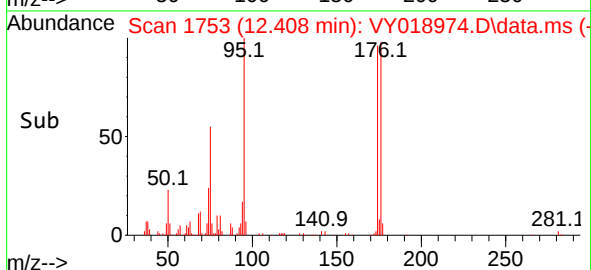
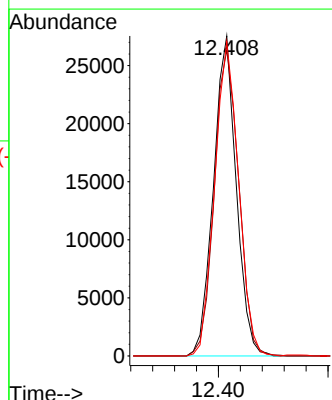
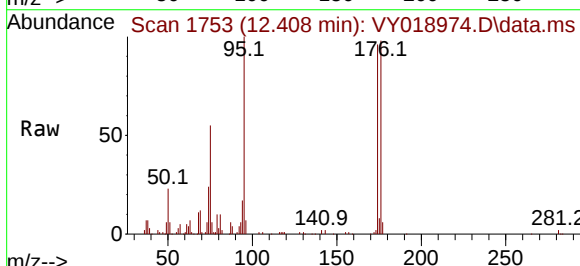
Tgt Ion: 95 Resp: 39801

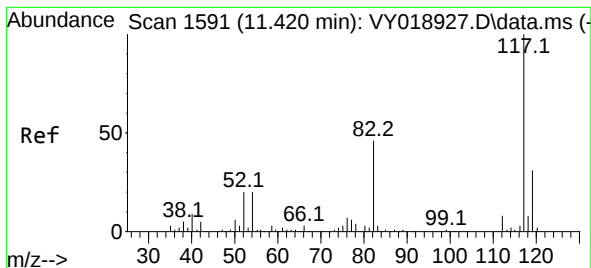
Ion Ratio Lower Upper

95 100

174 102.5 0.0 175.6

176 102.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY018974.D

Acq: 09 Aug 2024 18:06

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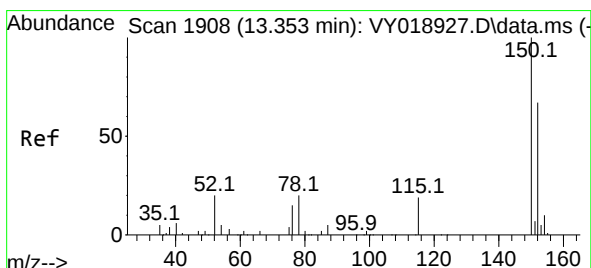
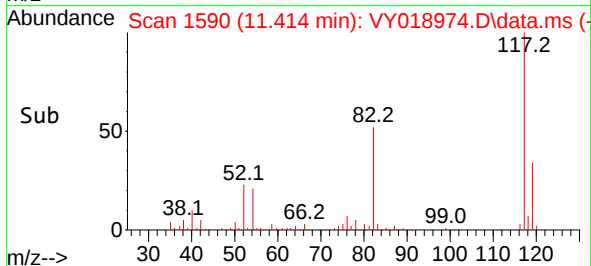
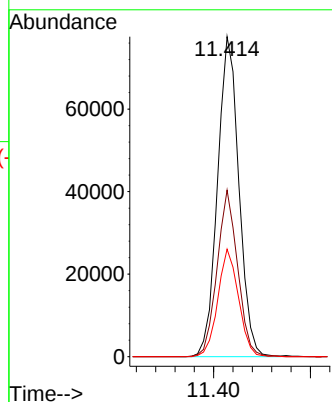
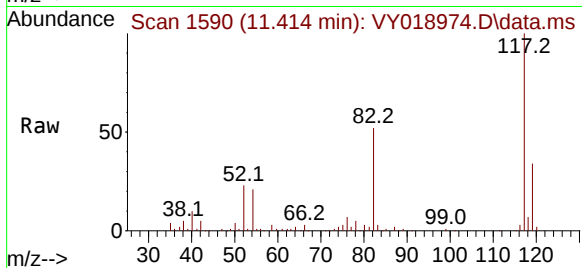
Tgt Ion:117 Resp: 118834

Ion Ratio Lower Upper

117 100

82 52.0 42.4 63.6

119 33.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY018974.D

Acq: 09 Aug 2024 18:06

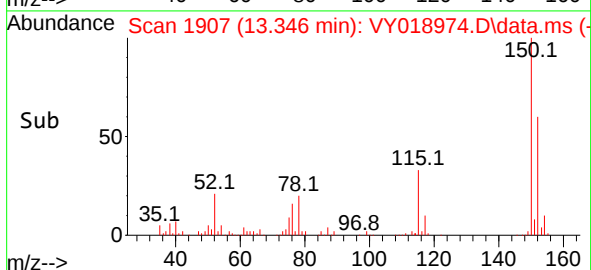
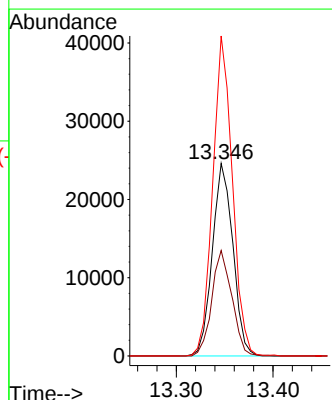
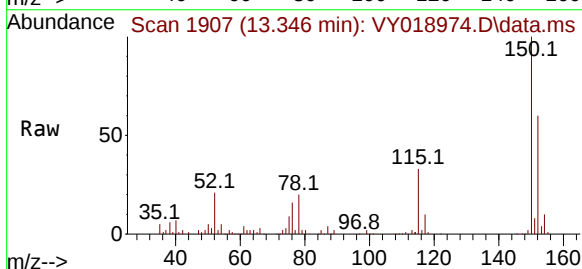
Tgt Ion:152 Resp: 36295

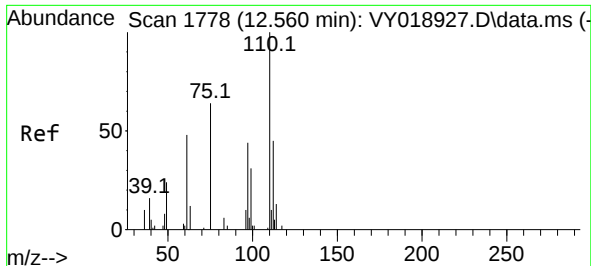
Ion Ratio Lower Upper

152 100

115 53.4 28.2 84.7

150 158.5 0.0 345.6

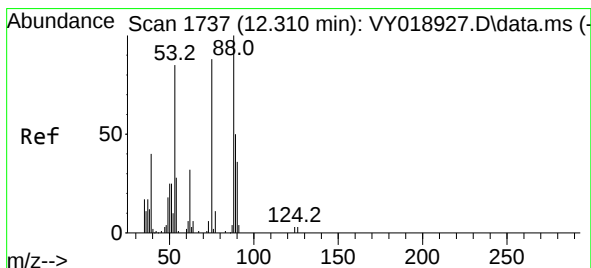
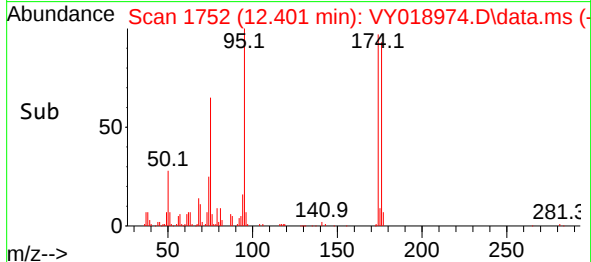
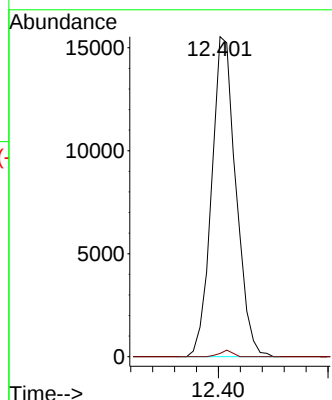
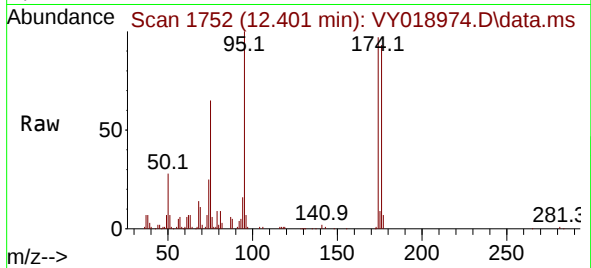




#76
1,2,3-Trichloropropane
Concen: 88.545 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.159 min
Lab File: VY018974.D
Acq: 09 Aug 2024 18:06

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-13-080724

Tgt Ion: 75 Resp: 23942
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 182.456 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.091 min
Lab File: VY018974.D
Acq: 09 Aug 2024 18:06

Tgt Ion: 75 Resp: 23942
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#

