

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080924\
 Data File : VY018971.D
 Acq On : 09 Aug 2024 16:51
 Operator : SY/MD
 Sample : P3518-19
 Misc : 4.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-10-080724

Quant Time: Aug 09 23:29:12 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)

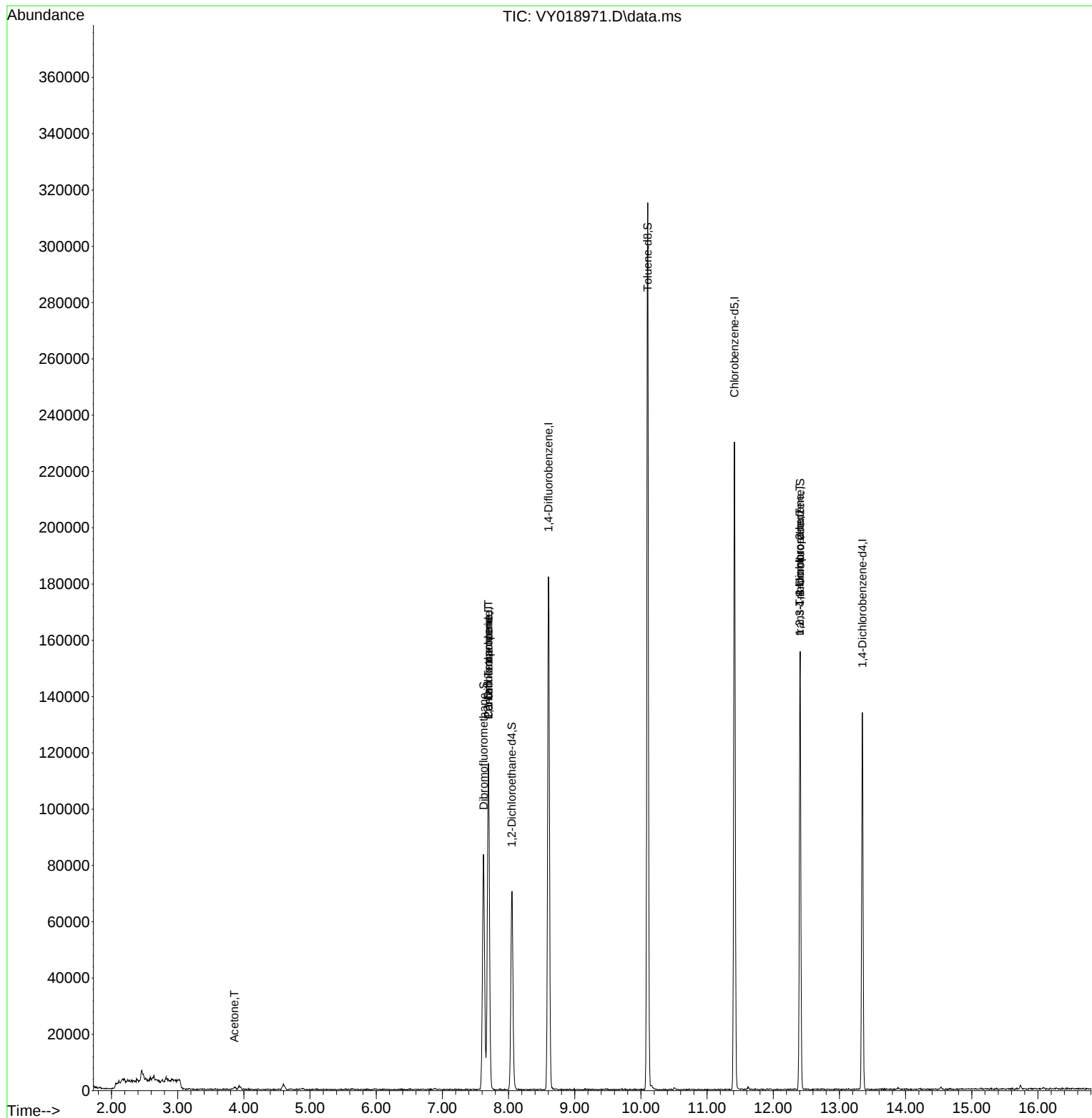
Internal Standards						
1) Pentafluorobenzene	7.695	168	94887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	154648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	112848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	30936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.048	65	45799	54.974	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.940%	
35) Dibromofluoromethane	7.622	113	52432	53.084	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.160%	
50) Toluene-d8	10.103	98	189371	49.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	12.407	95	39201	34.828	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 69.660%	
Target Compounds						Qvalue
3) Chloromethane	2.062	50	54	Below Cal	#	43
11) Tert butyl alcohol	4.835	59	64	Below Cal	#	88
13) Acrolein	3.744	56	19	Below Cal	#	15
16) Acetone	3.854	43	1146	17.581	ug/l #	86
20) Methylene Chloride	4.598	84	1050	Below Cal	#	79
31) Cyclohexane	7.695	56	2436	Below Cal	#	74
36) 1,1-Dichloropropene	7.695	75	7155	5.396	ug/l #	49
38) Carbon Tetrachloride	7.695	117	8544	5.620	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	21847	94.794	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	21847	195.332	ug/l #	16

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

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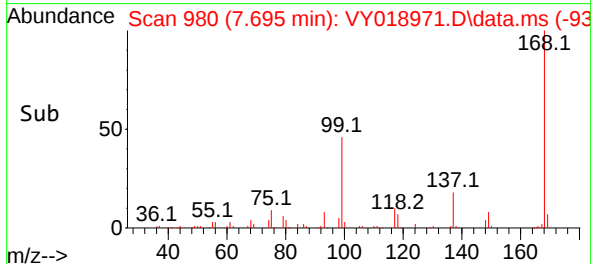
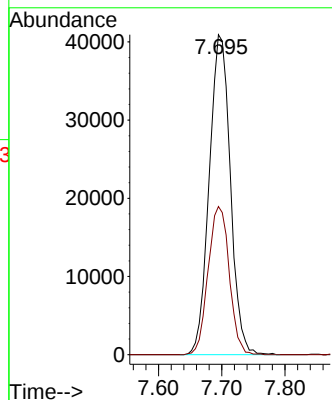
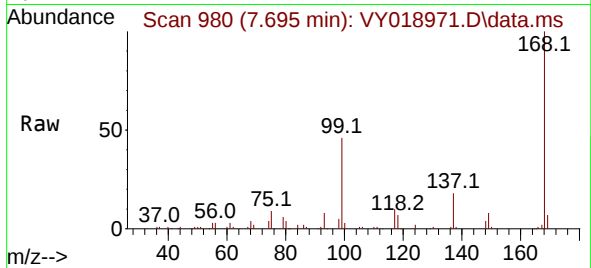




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018971.D
Acq: 09 Aug 2024 16:51

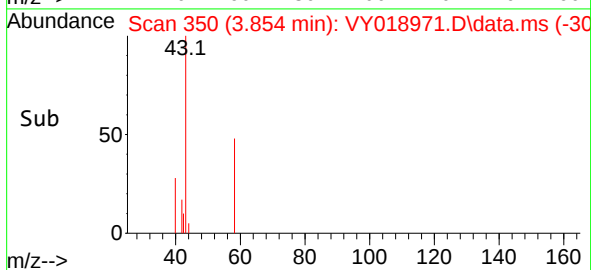
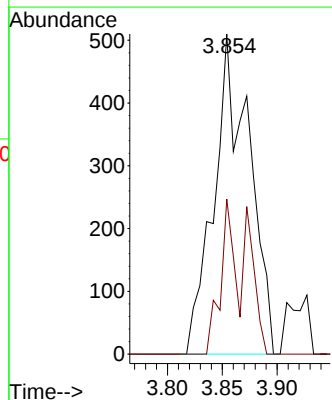
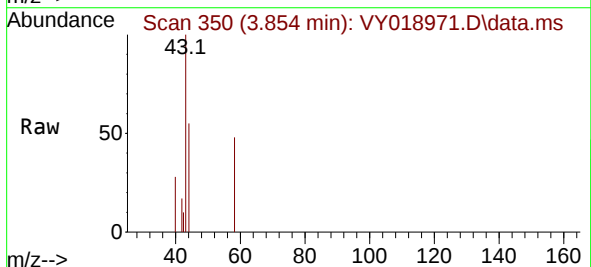
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-10-080724

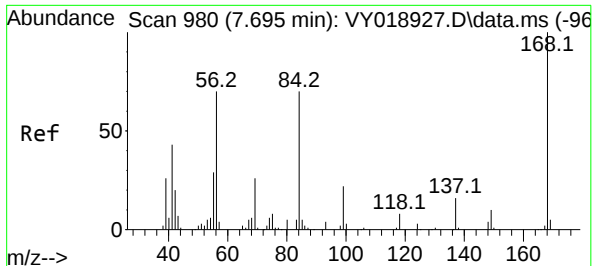
Tgt Ion:168 Resp: 94887
Ion Ratio Lower Upper
168 100
99 46.3 39.1 58.7



#16
Acetone
Concen: 17.581 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY018971.D
Acq: 09 Aug 2024 16:51

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
58 48.4 31.7 47.5#

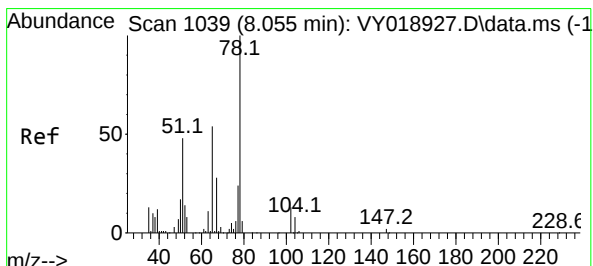
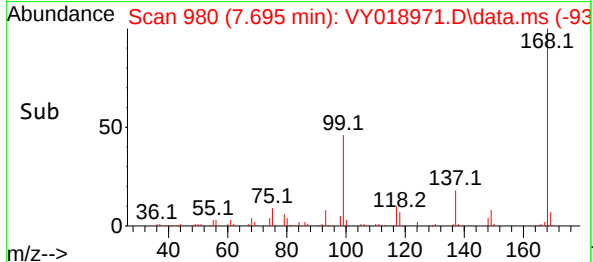
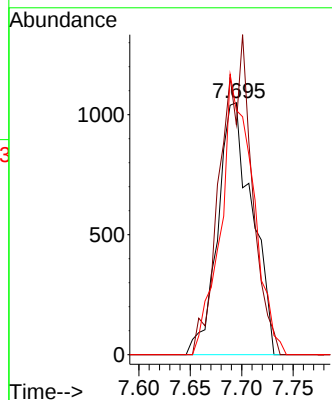
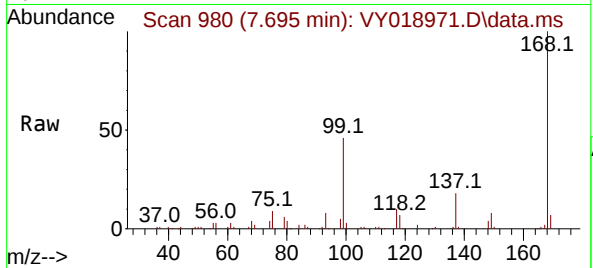




#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018971.D
Acq: 09 Aug 2024 16:51

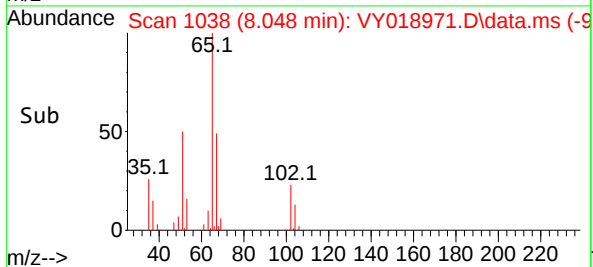
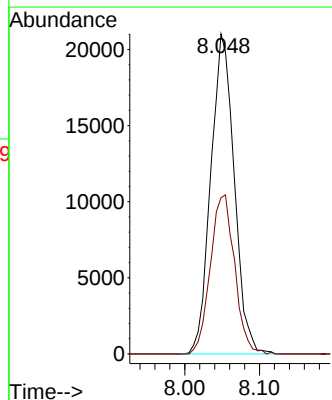
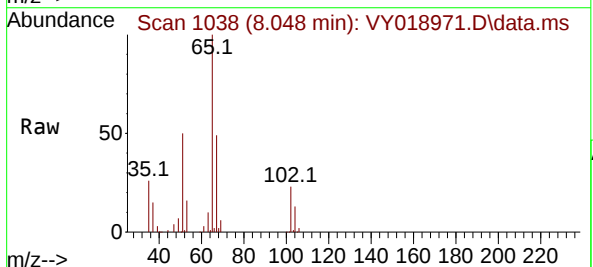
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-10-080724

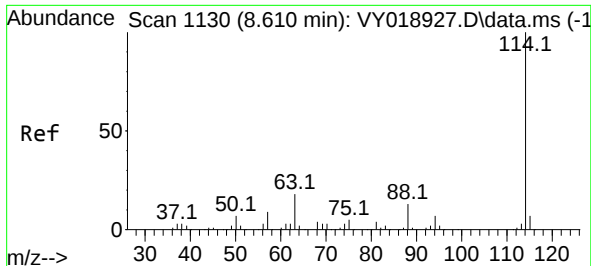
Tgt Ion: 56 Resp: 2436
Ion Ratio Lower Upper
56 100
69 91.3 28.7 43.1#
84 97.0 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 54.974 ug/l
RT: 8.048 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY018971.D
Acq: 09 Aug 2024 16:51

Tgt Ion: 65 Resp: 45799
Ion Ratio Lower Upper
65 100
67 51.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY018971.D

Acq: 09 Aug 2024 16:51

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-10-080724

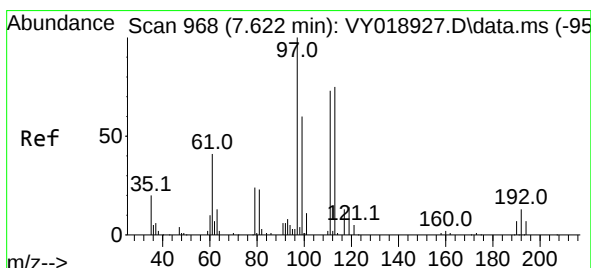
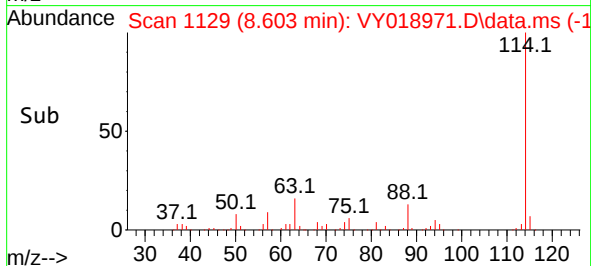
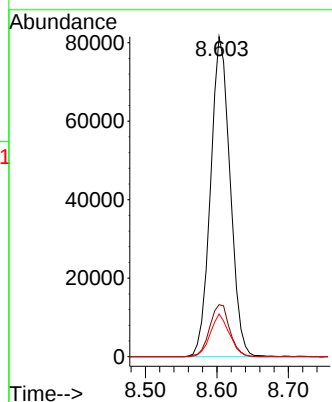
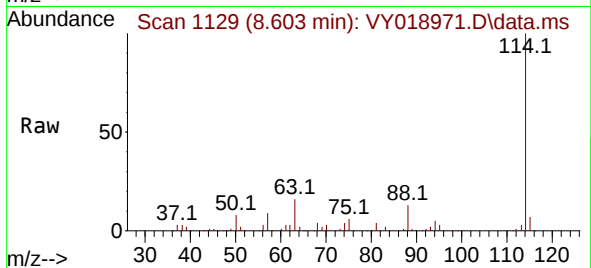
Tgt Ion:114 Resp: 154648

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.0

88 13.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.084 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY018971.D

Acq: 09 Aug 2024 16:51

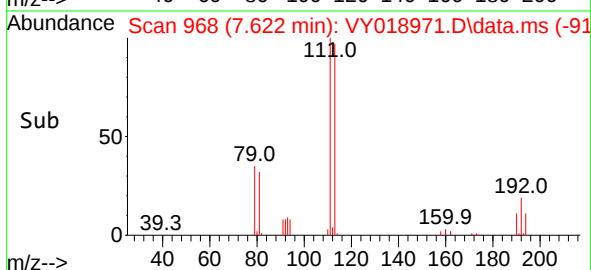
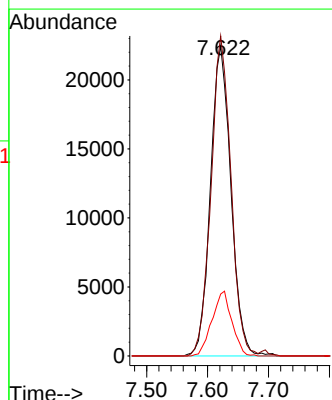
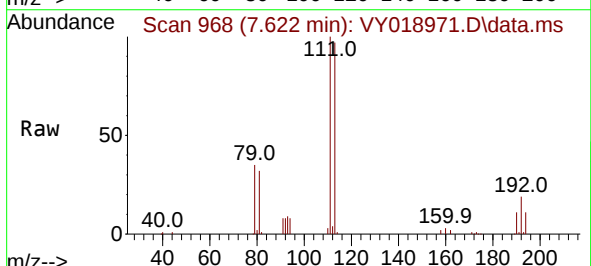
Tgt Ion:113 Resp: 52432

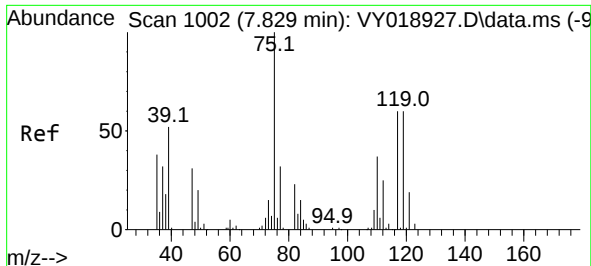
Ion Ratio Lower Upper

113 100

111 100.1 82.2 123.4

192 20.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.396 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY018971.D

Acq: 09 Aug 2024 16:51

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-10-080724

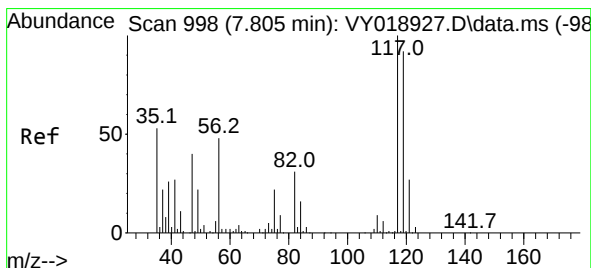
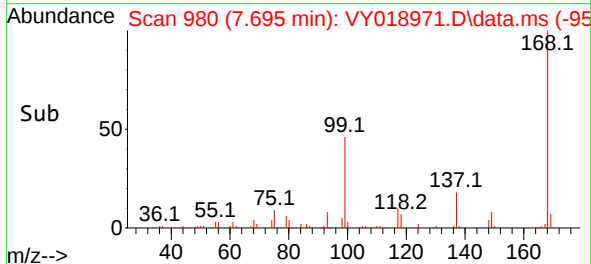
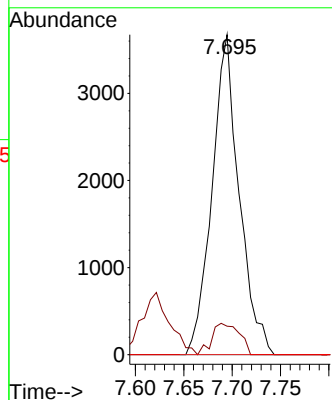
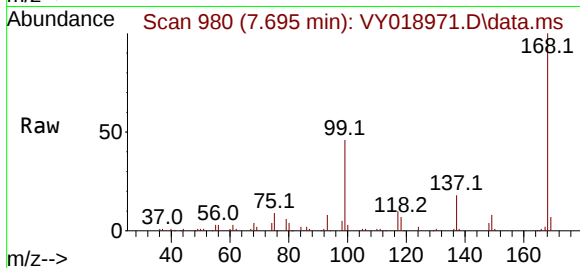
Tgt Ion: 75 Resp: 7155

Ion Ratio Lower Upper

75 100

110 9.9 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.620 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY018971.D

Acq: 09 Aug 2024 16:51

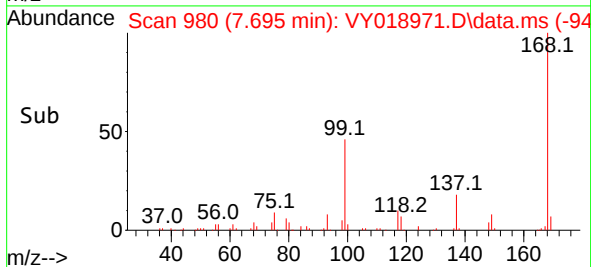
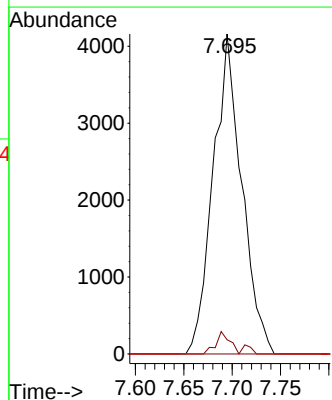
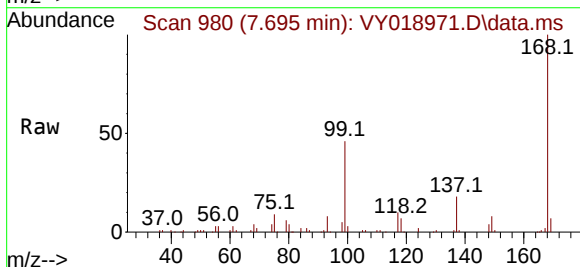
Tgt Ion: 117 Resp: 8544

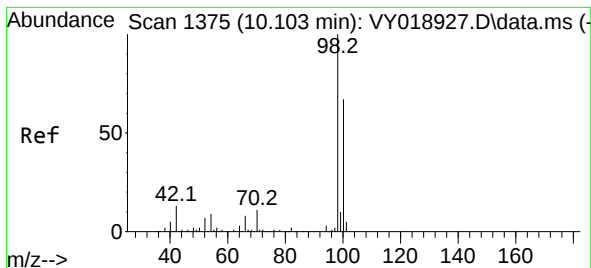
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 49.915 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018971.D

Acq: 09 Aug 2024 16:51

Instrument :

MSVOA_Y

ClientSampleId :

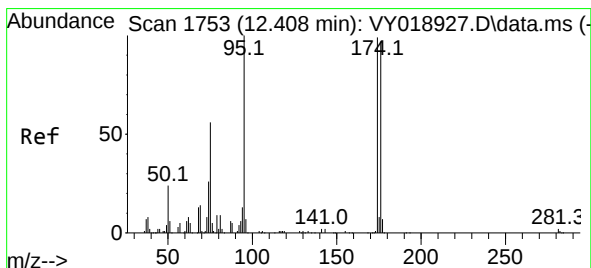
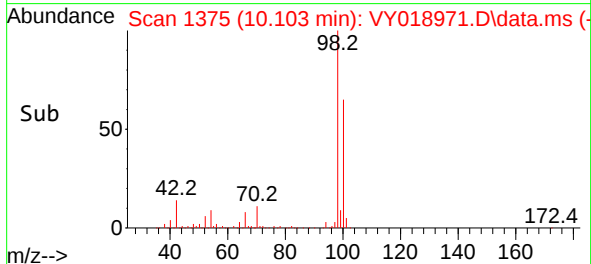
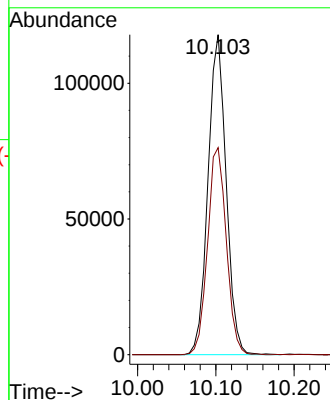
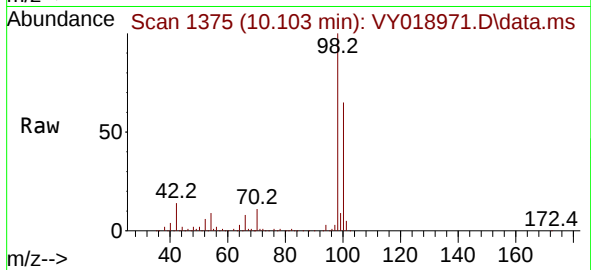
OU4-TS-10-080724

Tgt Ion: 98 Resp: 189371

Ion Ratio Lower Upper

98 100

100 66.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 34.828 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY018971.D

Acq: 09 Aug 2024 16:51

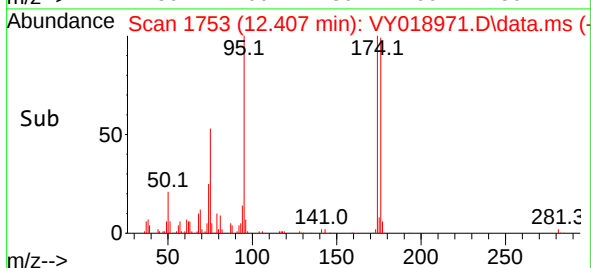
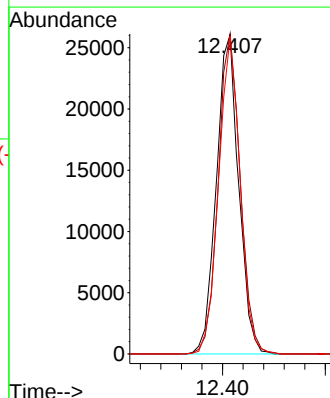
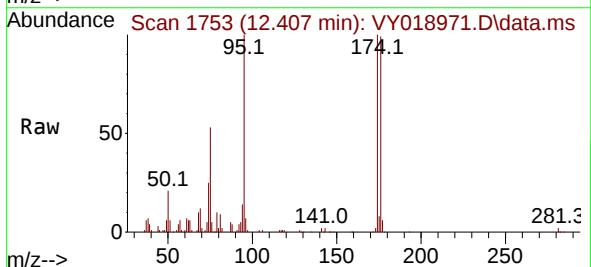
Tgt Ion: 95 Resp: 39201

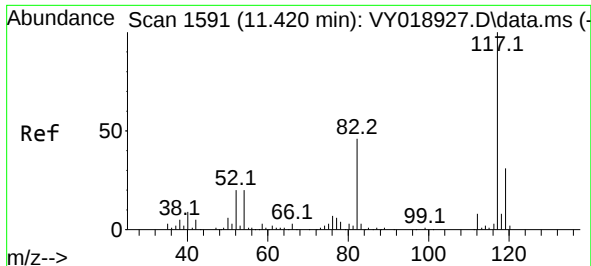
Ion Ratio Lower Upper

95 100

174 98.9 0.0 175.6

176 95.7 0.0 171.4

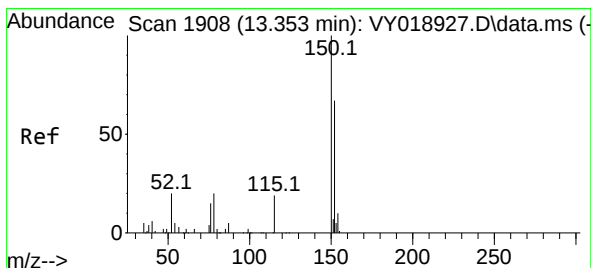
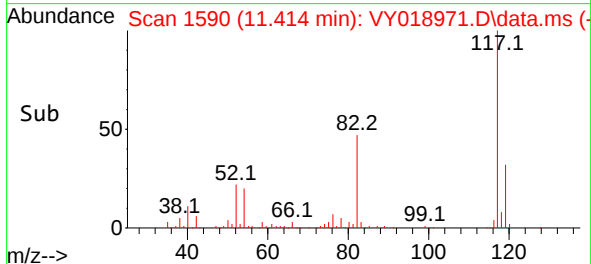
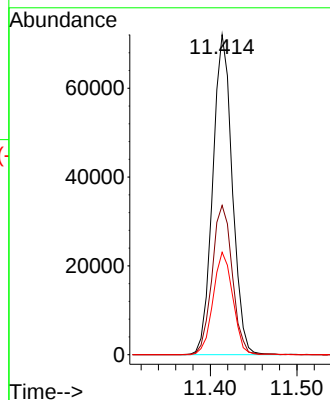
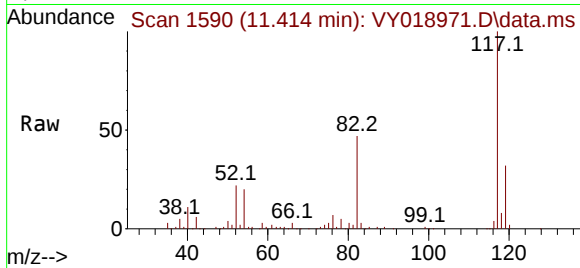




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018971.D
Acq: 09 Aug 2024 16:51

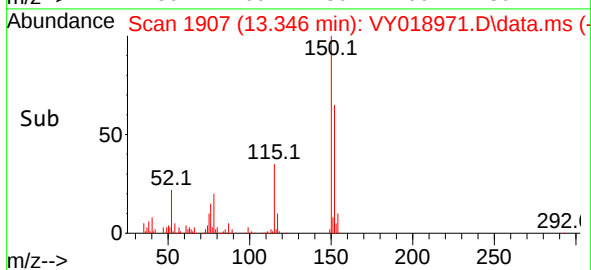
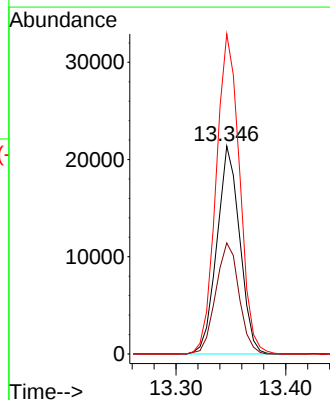
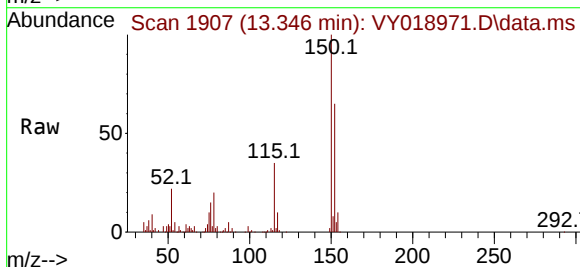
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OU4-TS-10-080724

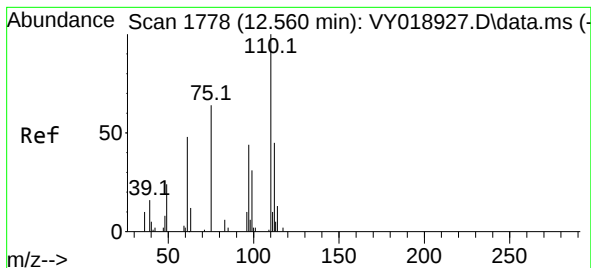
Tgt Ion:117 Resp: 112848
Ion Ratio Lower Upper
117 100
82 46.7 42.4 63.6
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY018971.D
Acq: 09 Aug 2024 16:51

Tgt Ion:152 Resp: 30936
Ion Ratio Lower Upper
152 100
115 54.4 28.2 84.7
150 158.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 94.794 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.159 min

Lab File: VY018971.D

Acq: 09 Aug 2024 16:51

Instrument :

MSVOA_Y

ClientSampleId :

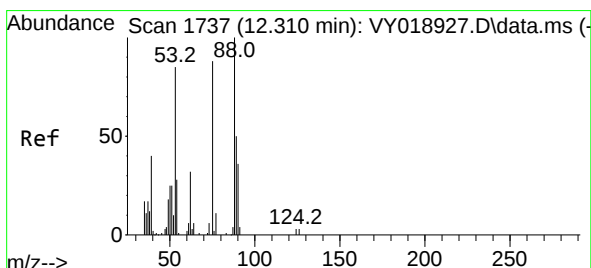
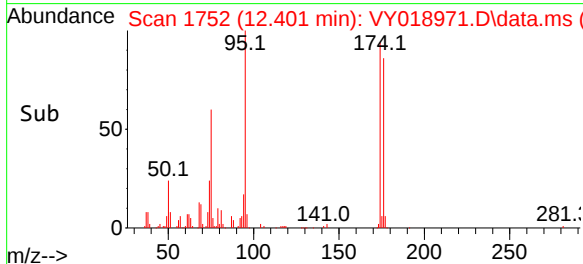
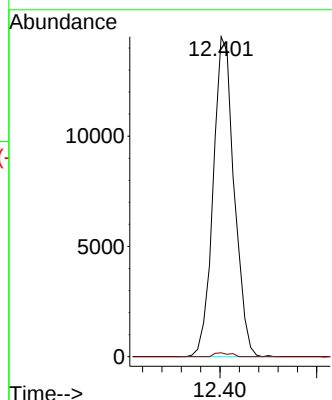
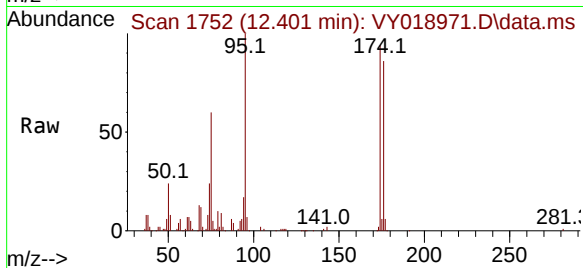
OU4-TS-10-080724

Tgt Ion: 75 Resp: 21847

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 195.332 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.091 min

Lab File: VY018971.D

Acq: 09 Aug 2024 16:51

Tgt Ion: 75 Resp: 21847

Ion Ratio Lower Upper

75 100

53 0.3 66.8 100.2#

89 0.0 35.8 53.6#

