

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080824\
 Data File : VY018938.D
 Acq On : 08 Aug 2024 20:03
 Operator : SY/MD
 Sample : P3520-01
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-CF-08-080624

Quant Time: Aug 09 05:10:47 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)

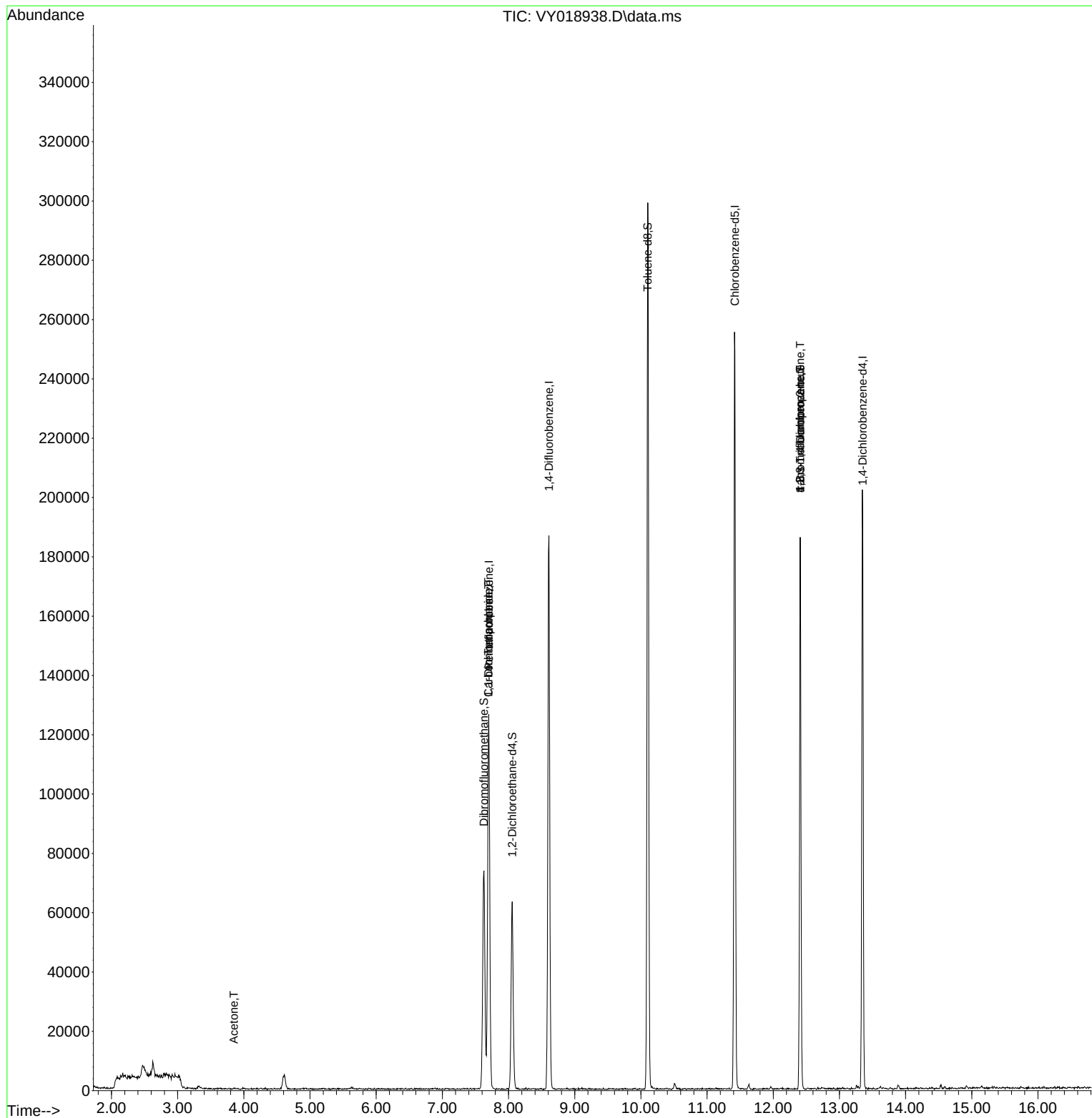
Internal Standards						
1) Pentafluorobenzene	7.701	168	99353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	160430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	127468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	47552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	39465	45.242	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.480%
35) Dibromofluoromethane	7.628	113	47251	46.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.220%
50) Toluene-d8	10.103	98	186712	47.440	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.880%
62) 4-Bromofluorobenzene	12.408	95	45382	38.866	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.740%
Target Compounds						
3) Chloromethane	2.068	50	393	Below Cal	#	43
11) Tert butyl alcohol	4.854	59	50	Below Cal	#	88
13) Acrolein	3.568	56	58	Below Cal	#	15
16) Acetone	3.848	43	232	13.503	ug/l #	36
20) Methylene Chloride	4.610	84	3007	Below Cal	#	88
31) Cyclohexane	7.701	56	2445	Below Cal	#	62
36) 1,1-Dichloropropene	7.695	75	7513	5.462	ug/l #	49
38) Carbon Tetrachloride	7.695	117	9153	5.804	ug/l #	17
41) Methacrylonitrile	7.384	41	22	Below Cal	#	15
76) 1,2,3-Trichloropropane	12.408	75	26422	74.585	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	26422	153.689	ug/l #	16

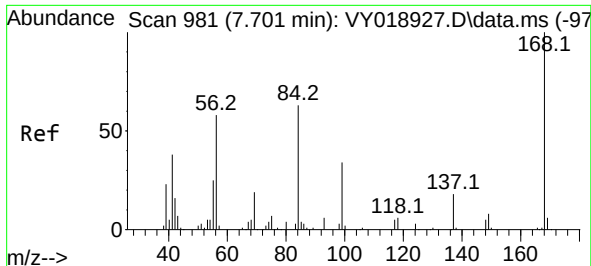
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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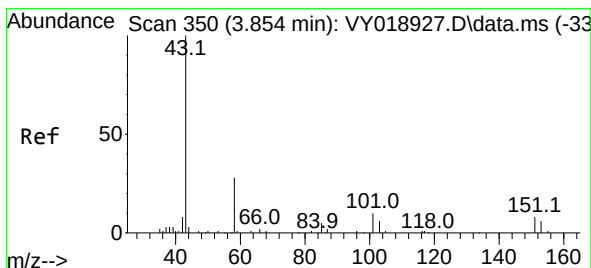
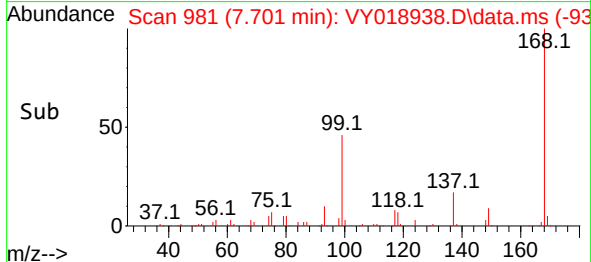
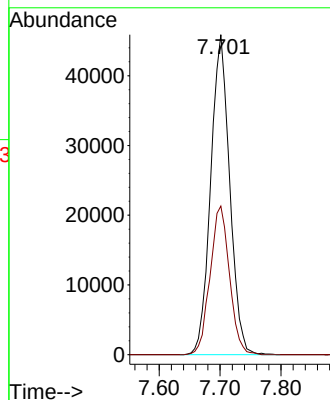
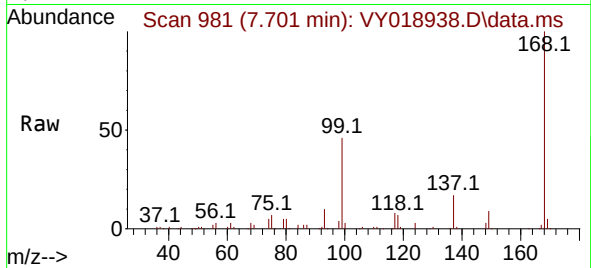




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY018938.D
Acq: 08 Aug 2024 20:03

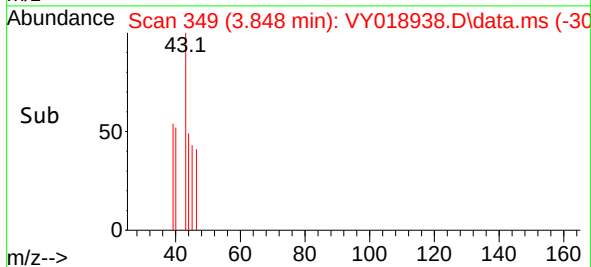
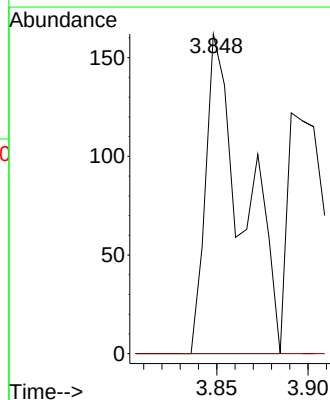
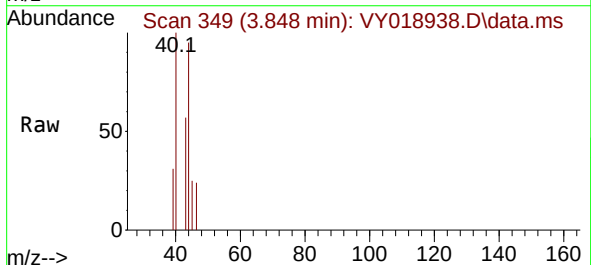
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-08-080624

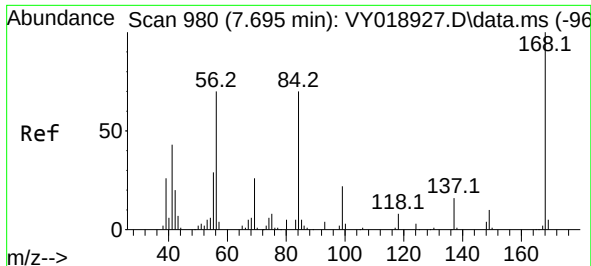
Tgt Ion:168 Resp: 99353
Ion Ratio Lower Upper
168 100
99 46.5 39.1 58.7



#16
Acetone
Concen: 13.503 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY018938.D
Acq: 08 Aug 2024 20:03

Tgt Ion: 43 Resp: 232
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

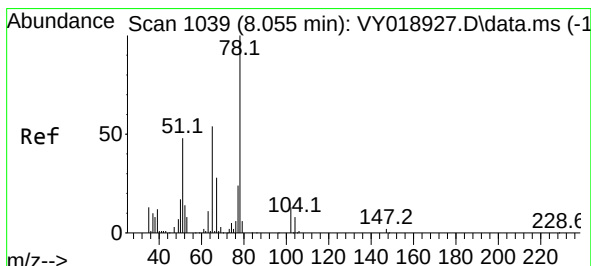
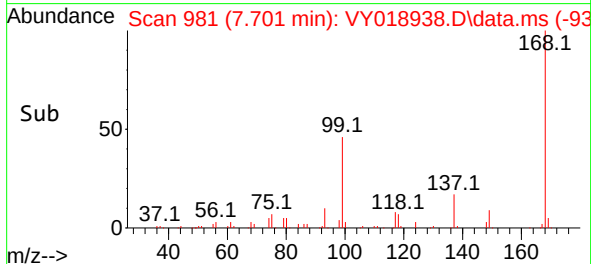
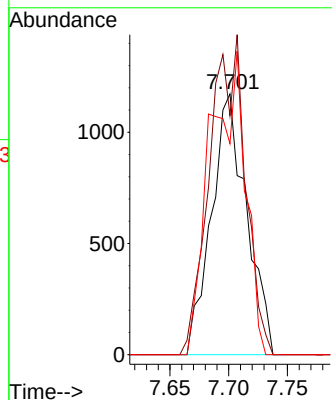
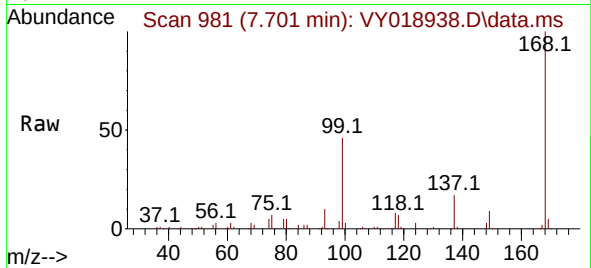




#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018938.D
Acq: 08 Aug 2024 20:03

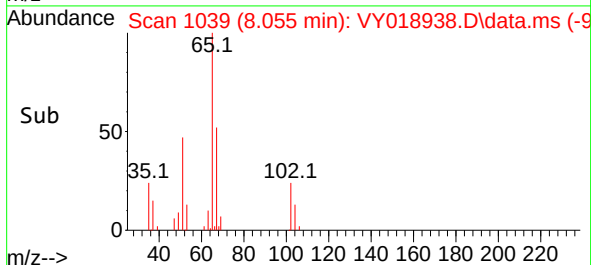
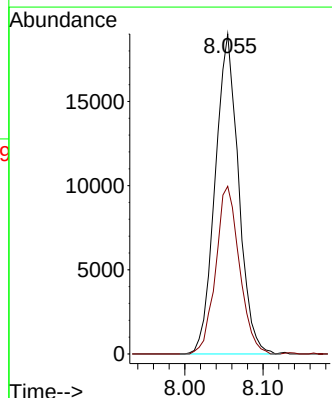
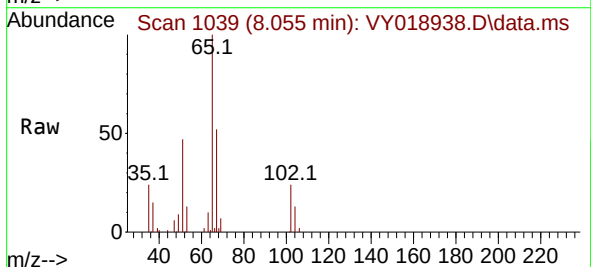
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-08-080624

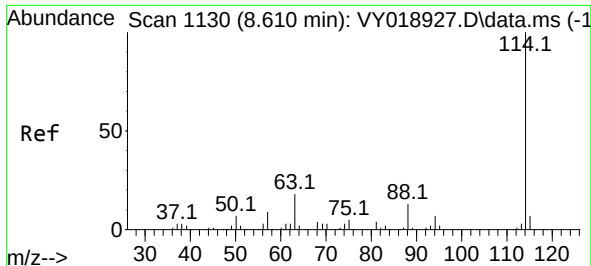
Tgt Ion: 56 Resp: 2445
Ion Ratio Lower Upper
56 100
69 91.6 28.7 43.1#
84 80.9 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 45.242 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY018938.D
Acq: 08 Aug 2024 20:03

Tgt Ion: 65 Resp: 39465
Ion Ratio Lower Upper
65 100
67 53.1 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: VY018938.D

Acq: 08 Aug 2024 20:03

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-08-080624

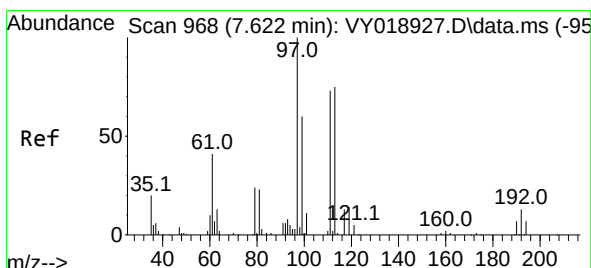
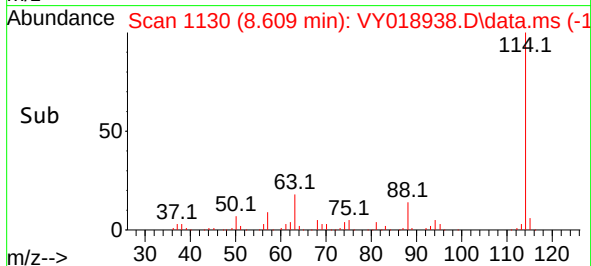
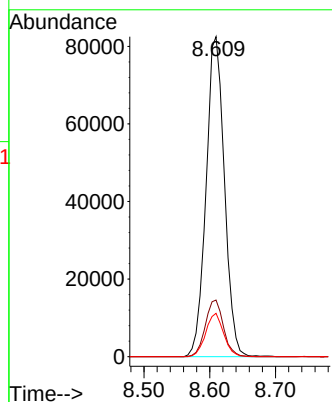
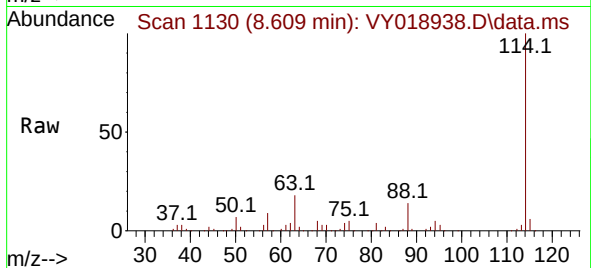
Tgt Ion:114 Resp: 160430

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.114 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY018938.D

Acq: 08 Aug 2024 20:03

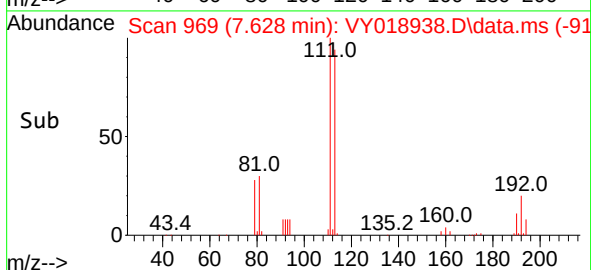
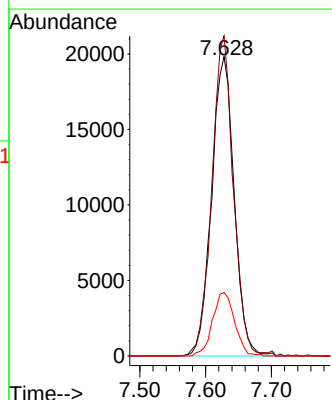
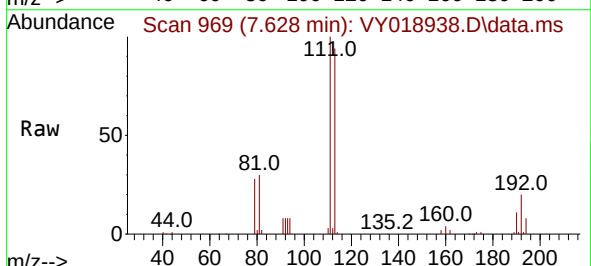
Tgt Ion:113 Resp: 47251

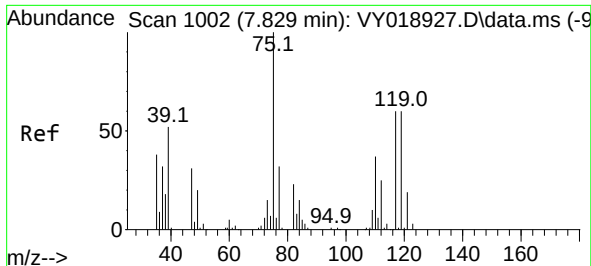
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 20.8 15.9 23.9

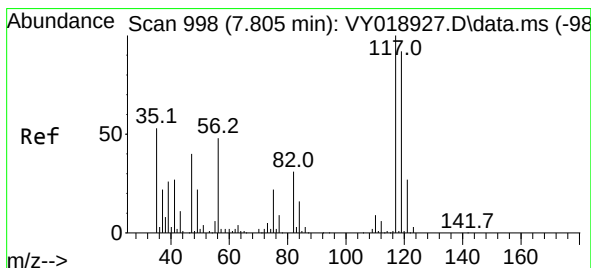
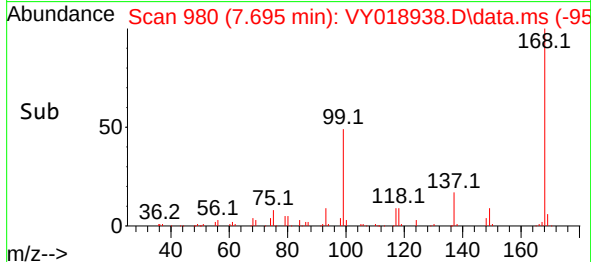
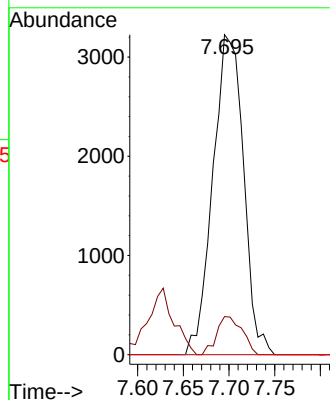
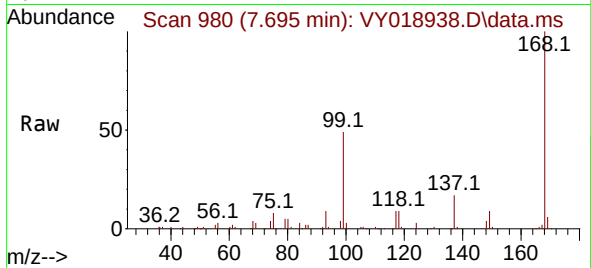




#36
 1,1-Dichloropropene
 Concen: 5.462 ug/l
 RT: 7.695 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY018938.D
 Acq: 08 Aug 2024 20:03

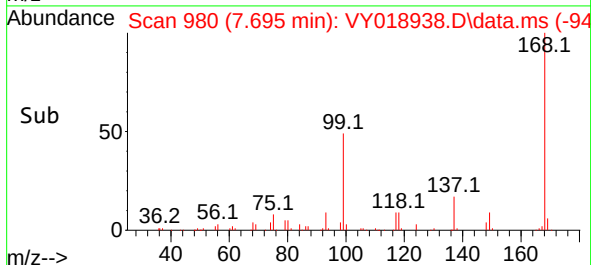
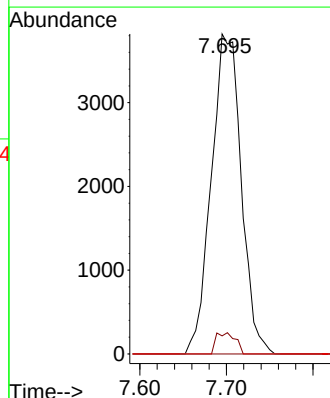
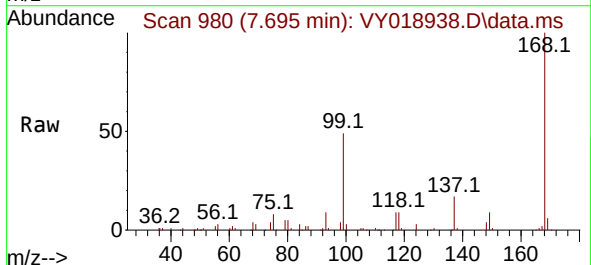
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-CF-08-080624

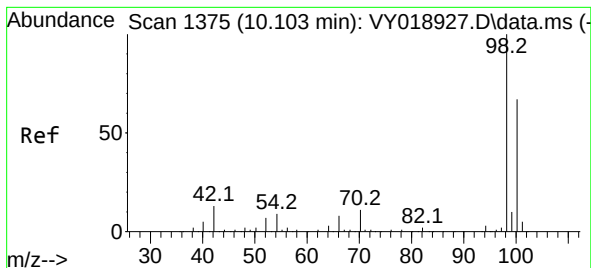
Tgt Ion: 75 Resp: 7513
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.804 ug/l
 RT: 7.695 min Scan# 980
 Delta R.T. -0.110 min
 Lab File: VY018938.D
 Acq: 08 Aug 2024 20:03

Tgt Ion: 117 Resp: 9153
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.8 113.6#
 121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 47.440 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018938.D

Acq: 08 Aug 2024 20:03

Instrument :

MSVOA_Y

ClientSampleId :

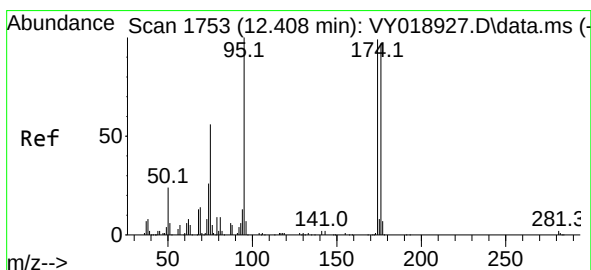
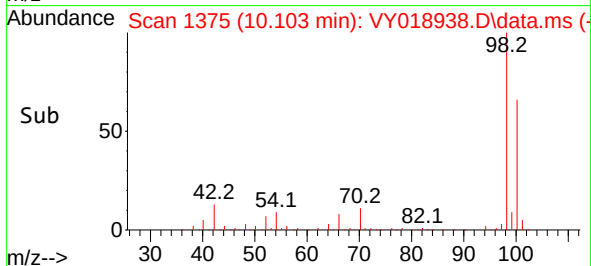
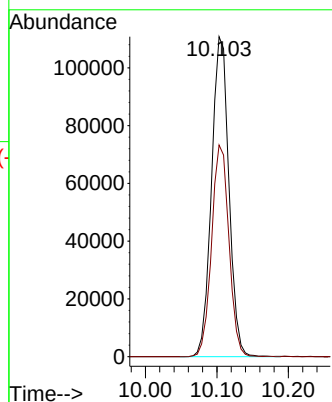
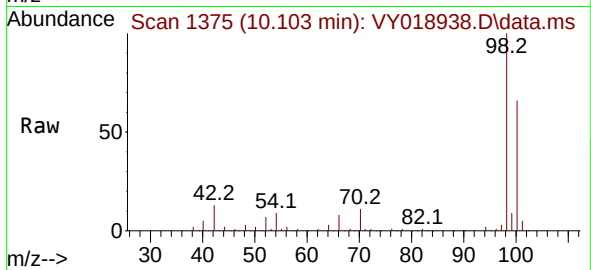
OU4-CF-08-080624

Tgt Ion: 98 Resp: 186712

Ion Ratio Lower Upper

98 100

100 66.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 38.866 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY018938.D

Acq: 08 Aug 2024 20:03

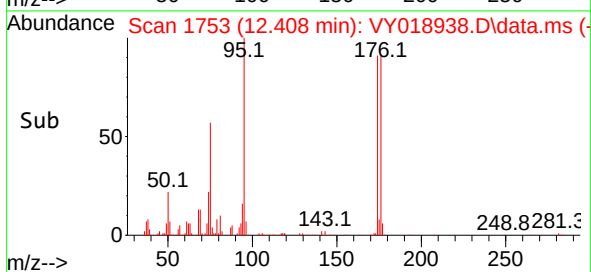
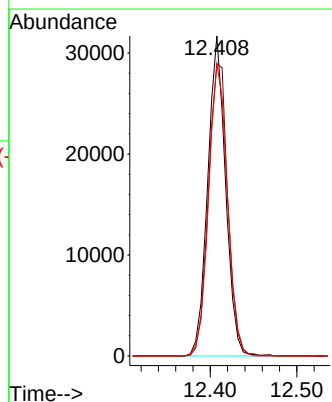
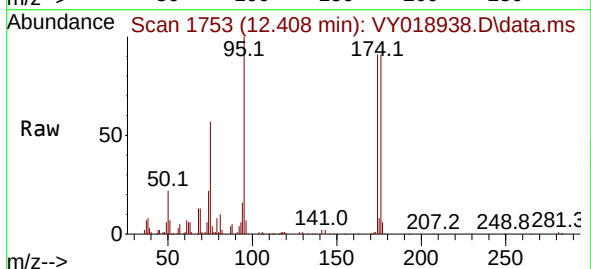
Tgt Ion: 95 Resp: 45382

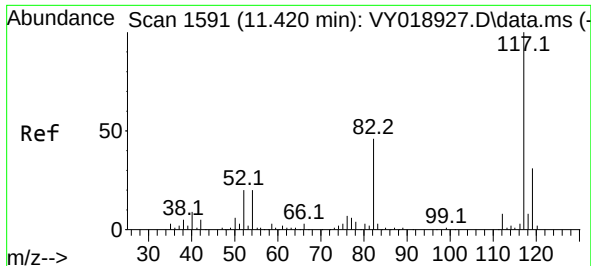
Ion Ratio Lower Upper

95 100

174 99.6 0.0 175.6

176 96.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018938.D

Acq: 08 Aug 2024 20:03

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-08-080624

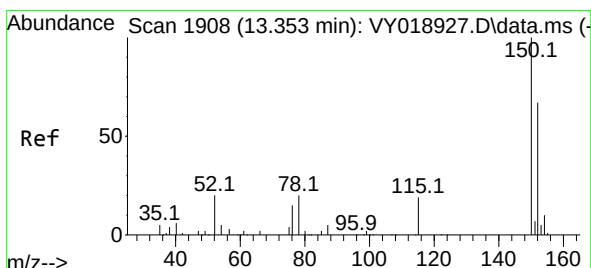
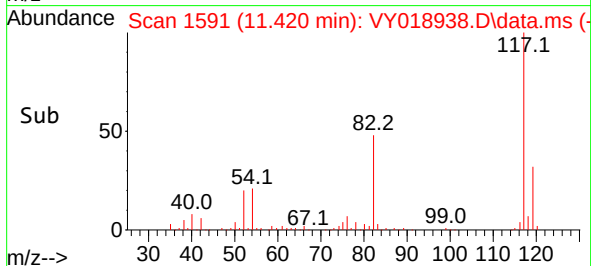
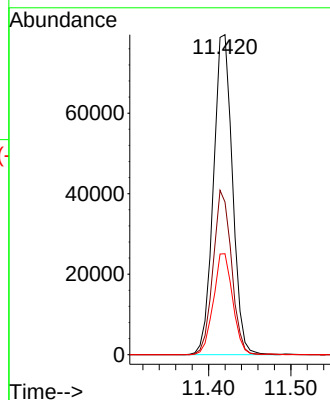
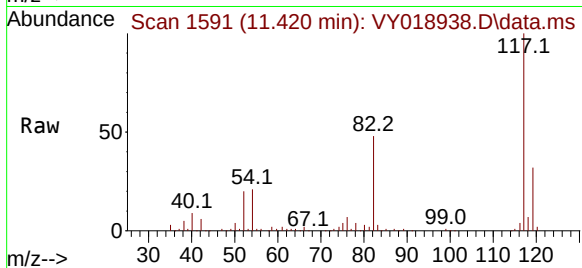
Tgt Ion:117 Resp: 127468

Ion Ratio Lower Upper

117 100

82 47.7 42.4 63.6

119 31.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY018938.D

Acq: 08 Aug 2024 20:03

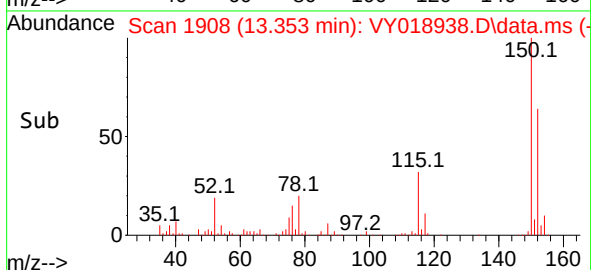
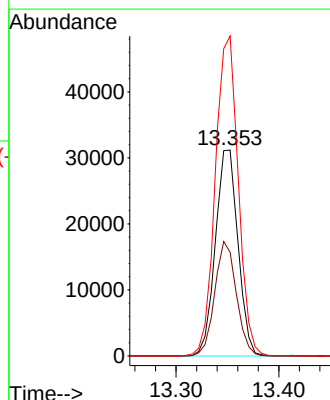
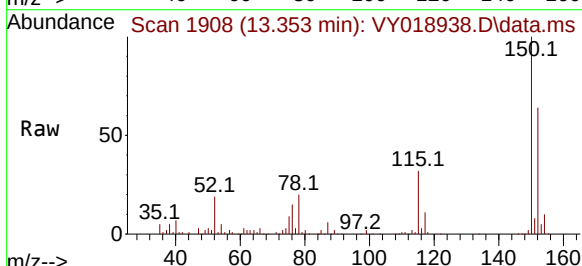
Tgt Ion:152 Resp: 47552

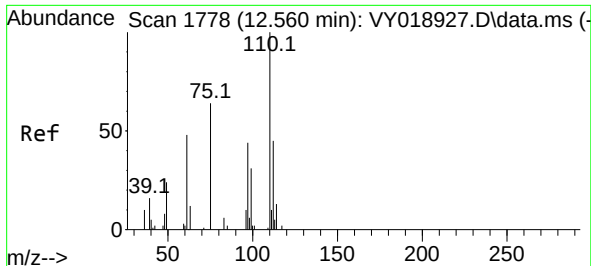
Ion Ratio Lower Upper

152 100

115 53.2 28.2 84.7

150 157.3 0.0 345.6

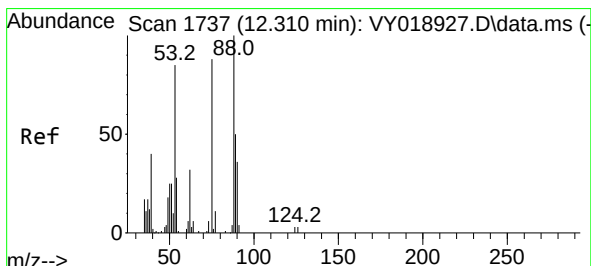
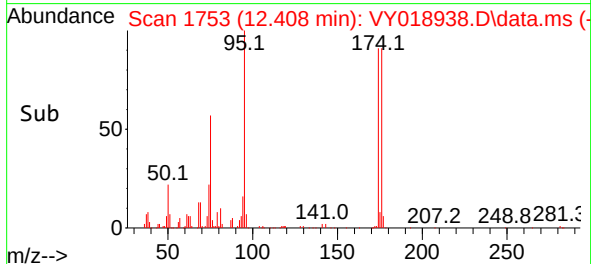
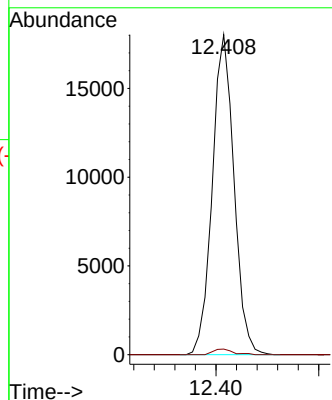
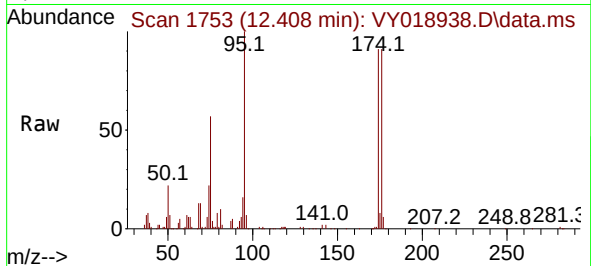




#76
1,2,3-Trichloropropane
Concen: 74.585 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY018938.D
Acq: 08 Aug 2024 20:03

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-08-080624

Tgt Ion: 75 Resp: 26422
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 153.689 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY018938.D
Acq: 08 Aug 2024 20:03

Tgt Ion: 75 Resp: 26422
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 35.8 53.6#

