

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081224\
 Data File : VY018998.D
 Acq On : 12 Aug 2024 13:32
 Operator : SY/MD
 Sample : P3519-09
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-20-080724

Quant Time: Aug 13 01:14:14 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)

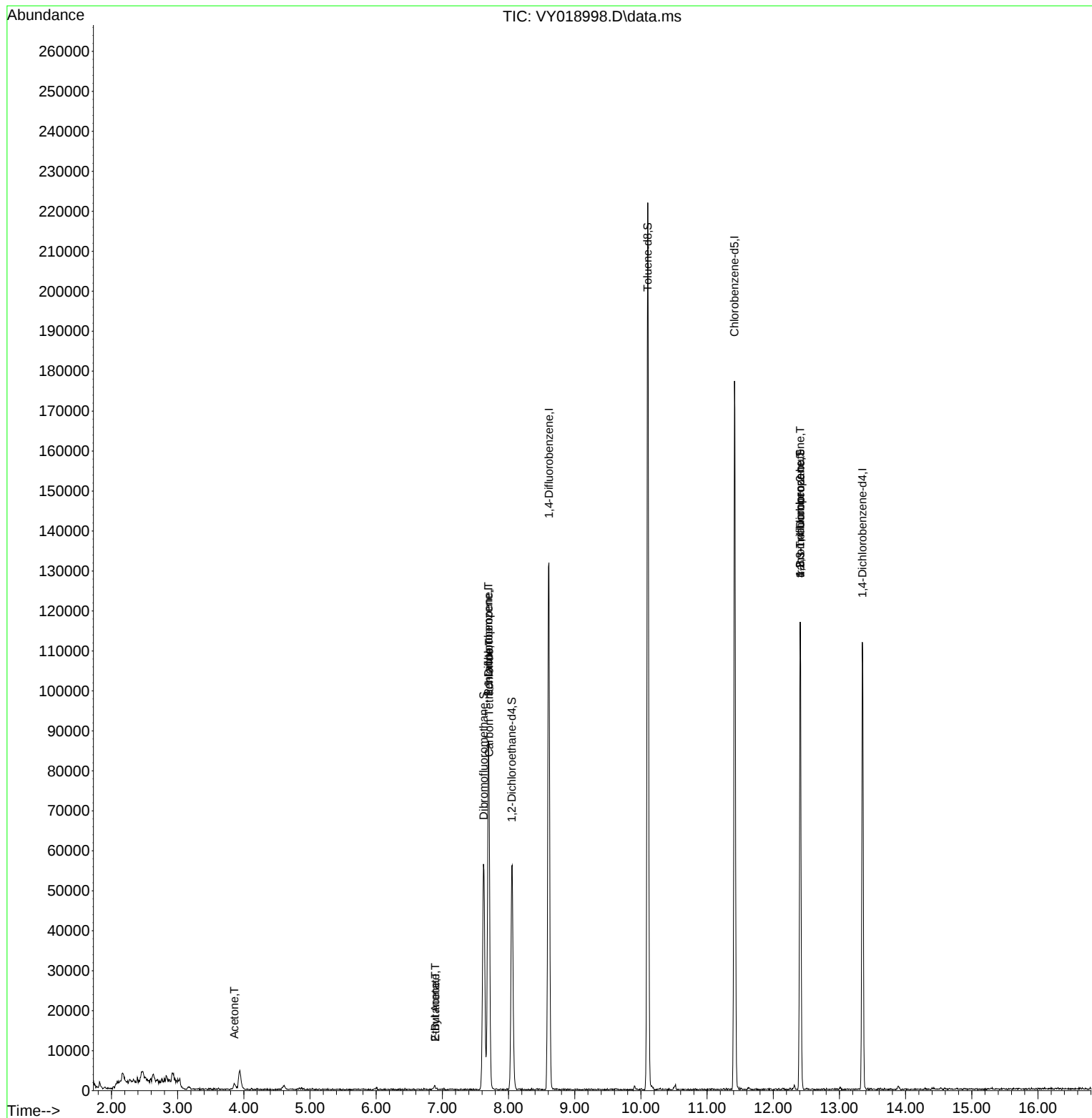
Internal Standards						
1) Pentafluorobenzene	7.695	168	71679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	116290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	86838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	26120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	35827	56.928	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.860%
35) Dibromofluoromethane	7.622	113	36039	48.522	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.040%
50) Toluene-d8	10.103	98	132732	46.526	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.060%
62) 4-Bromofluorobenzene	12.408	95	29004	34.268	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	73	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	130	Below Cal	#	88
13) Acrolein	3.360	56	21	Below Cal	#	15
16) Acetone	3.854	43	2216	25.486	ug/l	96
20) Methylene Chloride	4.598	84	646	Below Cal	#	76
25) 2-Butanone	6.890	43	1137	5.580	ug/l	79
31) Cyclohexane	7.701	56	1836	Below Cal	#	43
36) 1,1-Dichloropropene	7.695	75	5275	5.291	ug/l	49
37) Ethyl Acetate	6.890	43	1137	2.495	ug/l	67
38) Carbon Tetrachloride	7.707	117	6730	5.887	ug/l	16
41) Methacrylonitrile	7.232	41	48	Below Cal	#	22
76) 1,2,3-Trichloropropane	12.408	75	17118	87.970	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.408	75	17118	181.269	ug/l	16

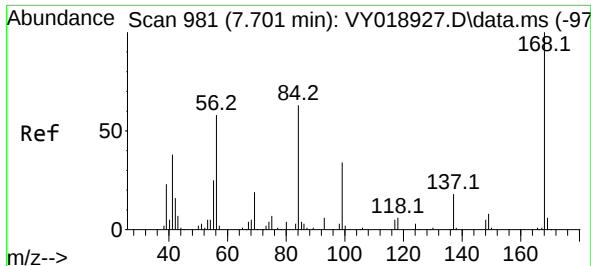
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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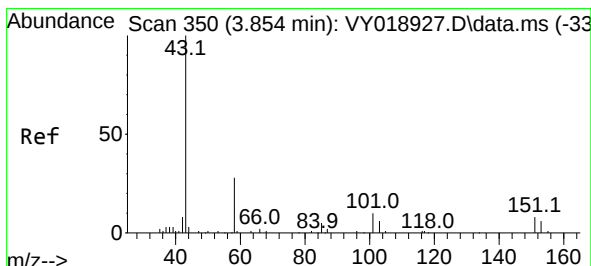
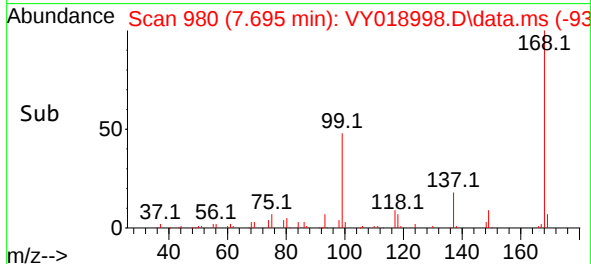
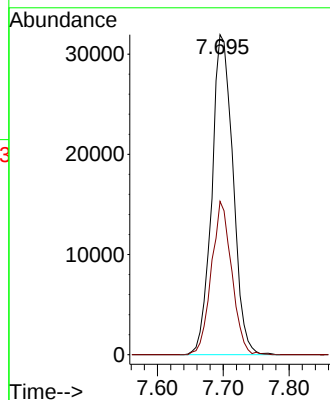
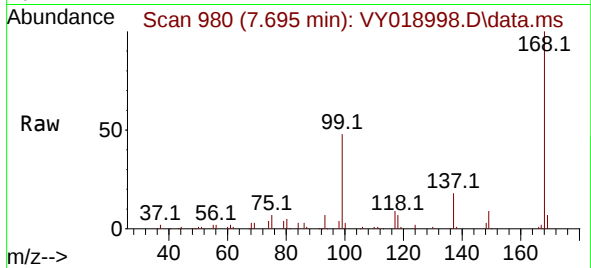




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018998.D
Acq: 12 Aug 2024 13:32

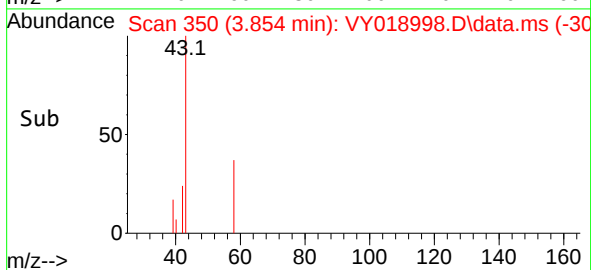
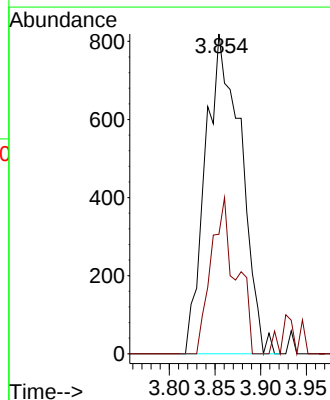
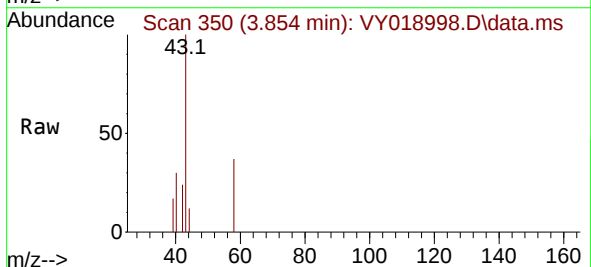
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-20-080724

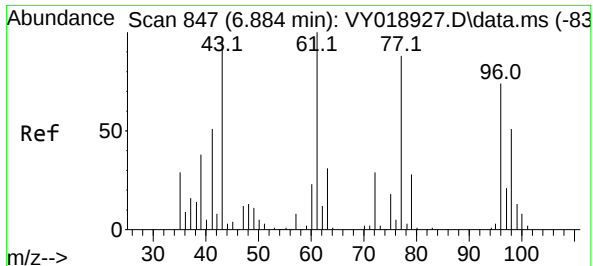
Tgt Ion:168 Resp: 71679
Ion Ratio Lower Upper
168 100
99 47.9 39.1 58.7



#16
Acetone
Concen: 25.486 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY018998.D
Acq: 12 Aug 2024 13:32

Tgt Ion: 43 Resp: 2216
Ion Ratio Lower Upper
43 100
58 37.4 31.7 47.5





#25

2-Butanone

Concen: 5.580 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY018998.D

Acq: 12 Aug 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

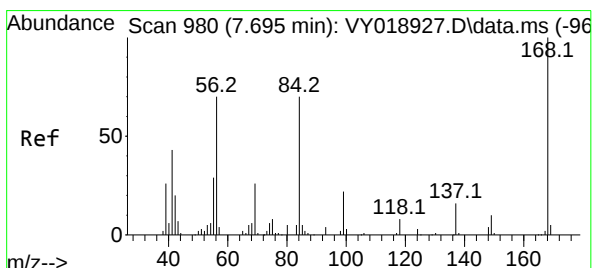
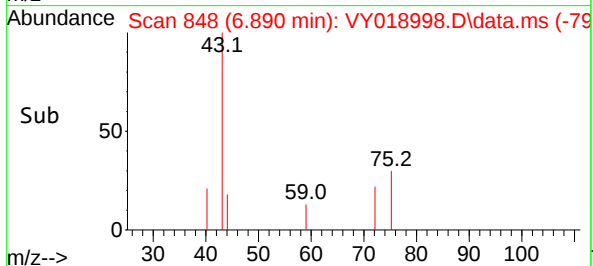
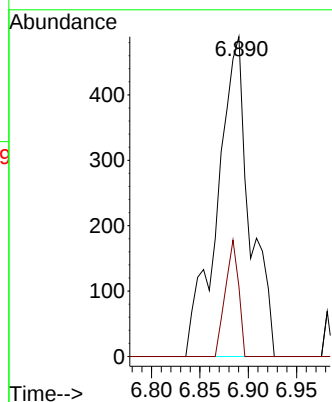
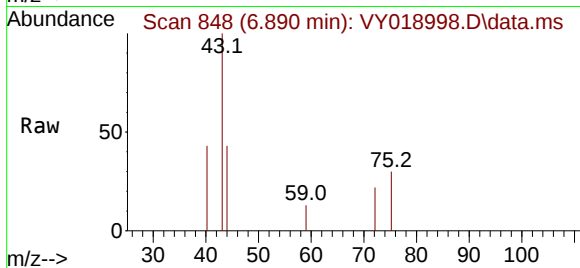
OU4-TS-20-080724

Tgt Ion: 43 Resp: 1137

Ion Ratio Lower Upper

43 100

72 21.9 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY018998.D

Acq: 12 Aug 2024 13:32

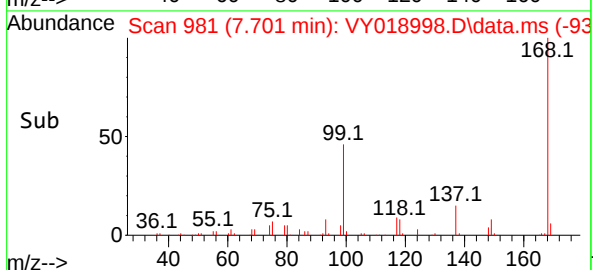
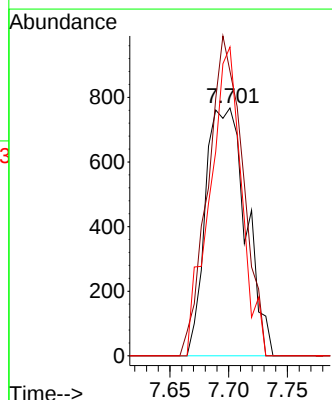
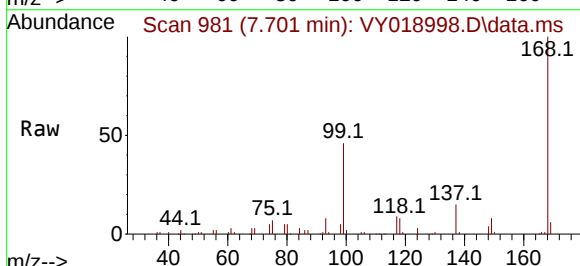
Tgt Ion: 56 Resp: 1836

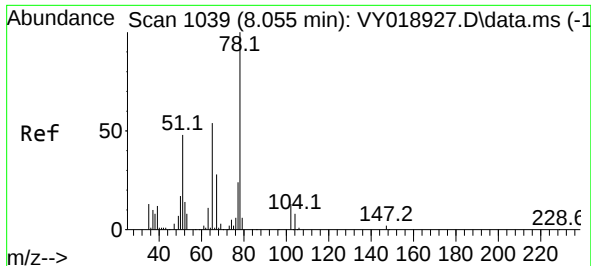
Ion Ratio Lower Upper

56 100

69 114.9 28.7 43.1#

84 124.6 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 56.928 ug/l

RT: 8.049 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY018998.D

Acq: 12 Aug 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

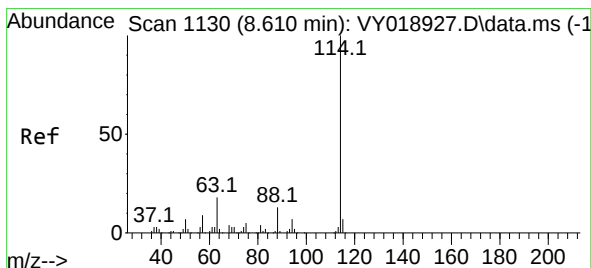
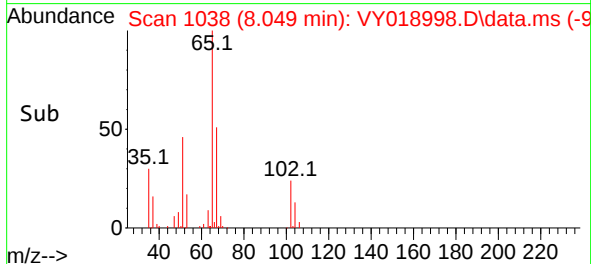
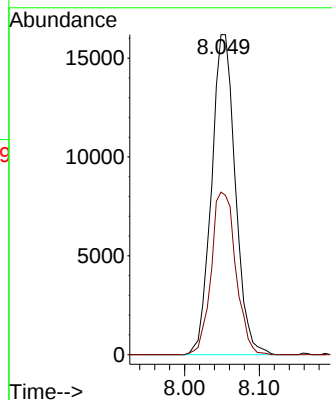
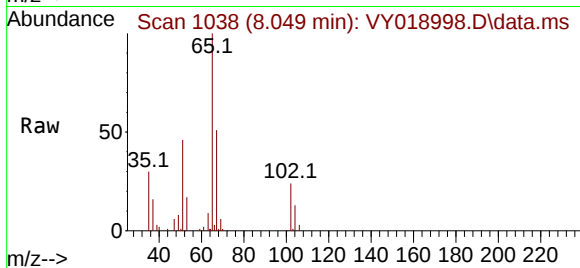
OU4-TS-20-080724

Tgt Ion: 65 Resp: 35827

Ion Ratio Lower Upper

65 100

67 52.5 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: VY018998.D

Acq: 12 Aug 2024 13:32

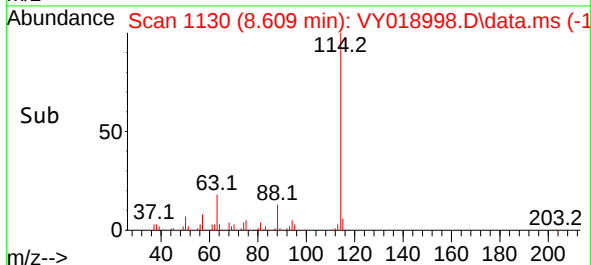
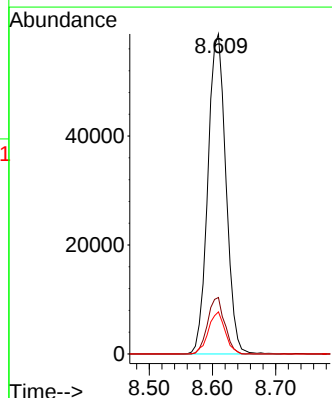
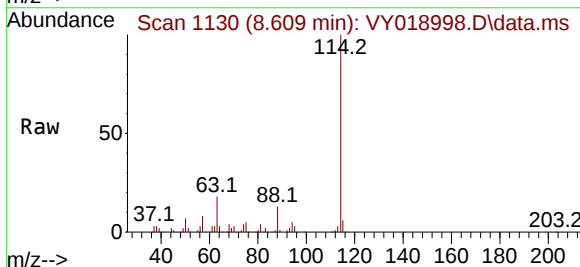
Tgt Ion: 114 Resp: 116290

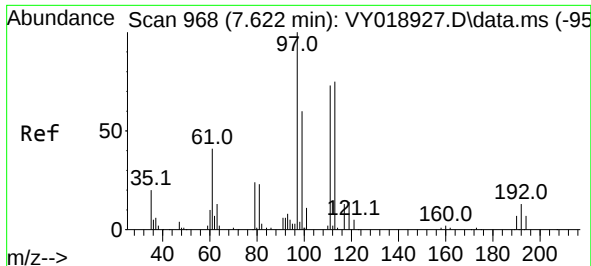
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 13.1 0.0 27.2

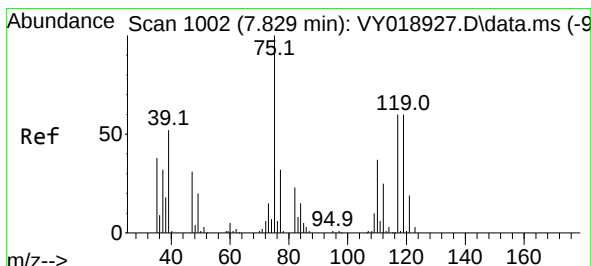
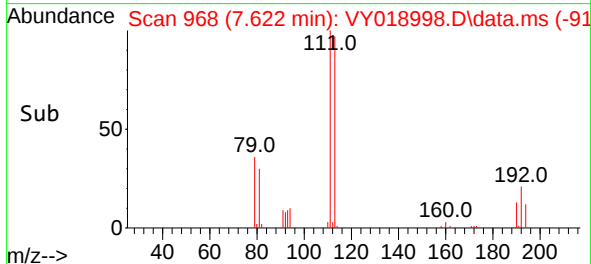
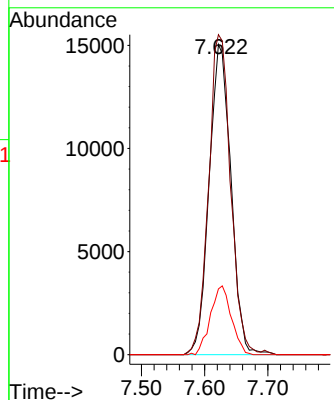
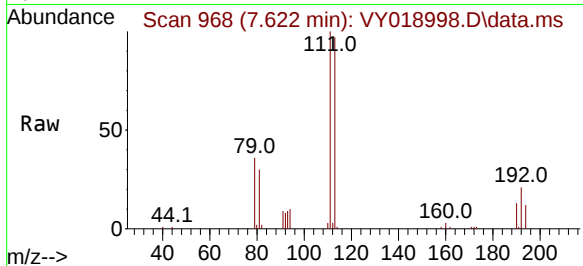




#35
Dibromofluoromethane
Concen: 48.522 ug/l
RT: 7.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018998.D
Acq: 12 Aug 2024 13:32

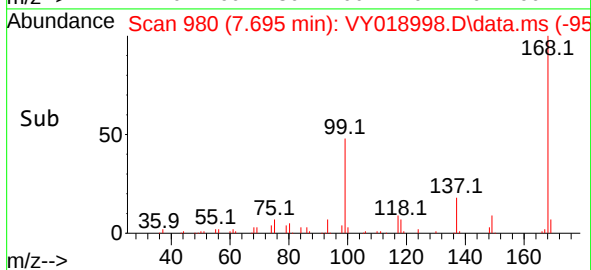
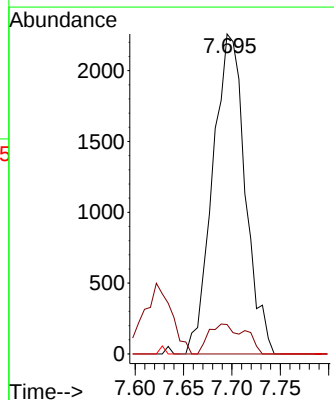
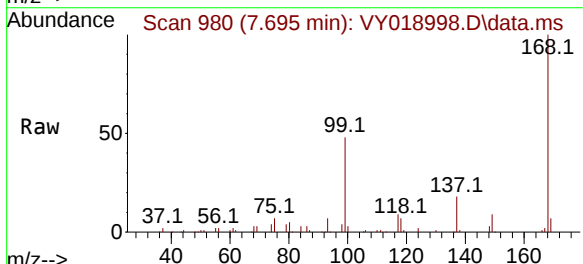
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-20-080724

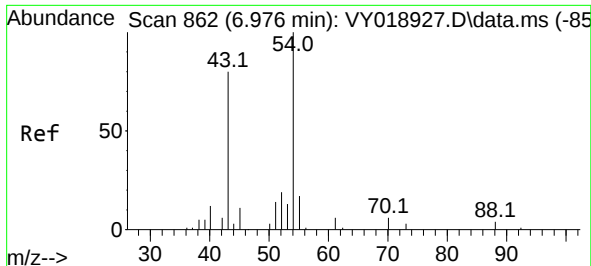
Tgt Ion:	113	Resp:	36039
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	21.3	15.9	23.9



#36
1,1-Dichloropropene
Concen: 5.291 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY018998.D
Acq: 12 Aug 2024 13:32

Tgt Ion:	75	Resp:	5275
Ion	Ratio	Lower	Upper
75	100		
110	10.4	19.0	57.0#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 2.495 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY018998.D

Acq: 12 Aug 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-20-080724

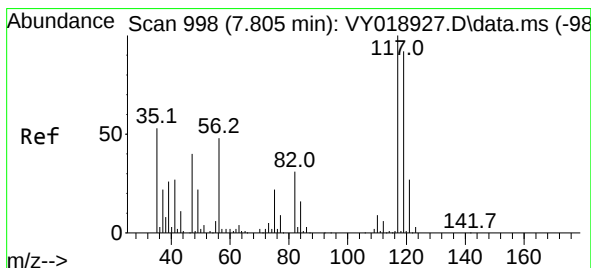
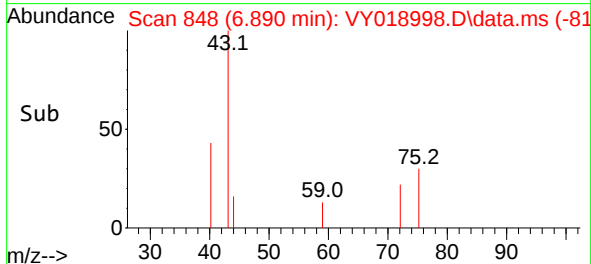
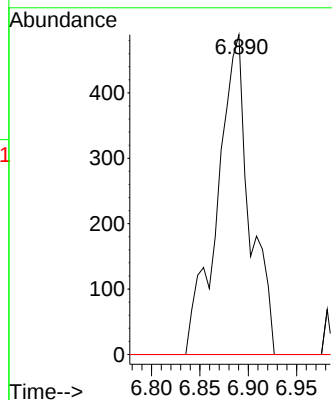
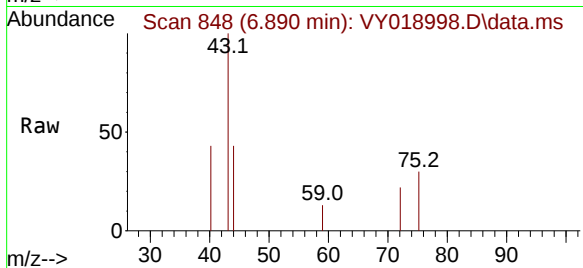
Tgt Ion: 43 Resp: 1137

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.098 min

Lab File: VY018998.D

Acq: 12 Aug 2024 13:32

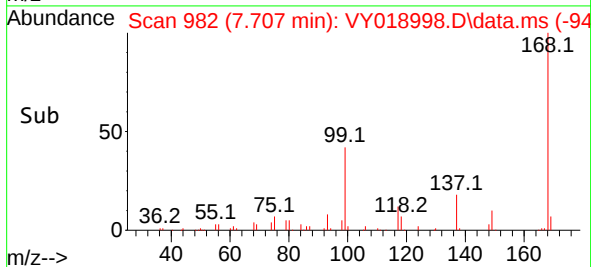
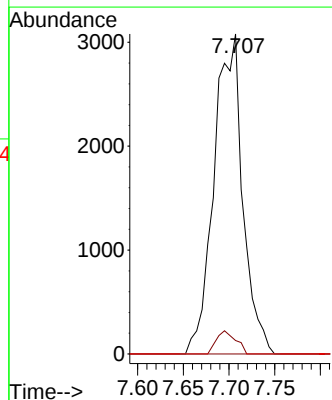
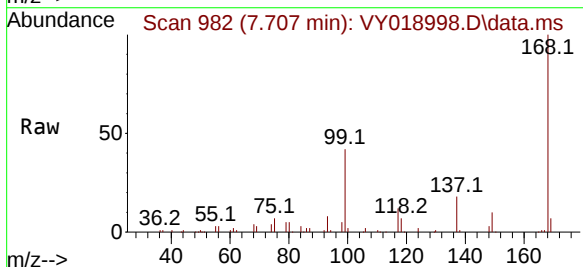
Tgt Ion: 117 Resp: 6730

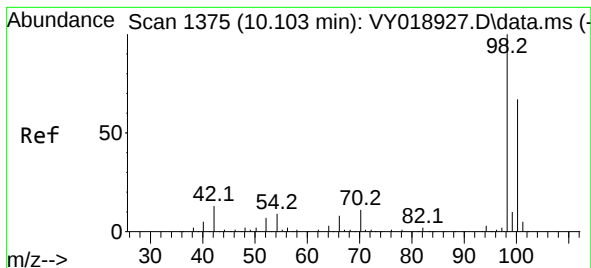
Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.526 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018998.D

Acq: 12 Aug 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

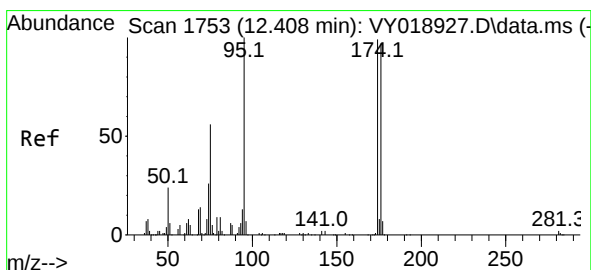
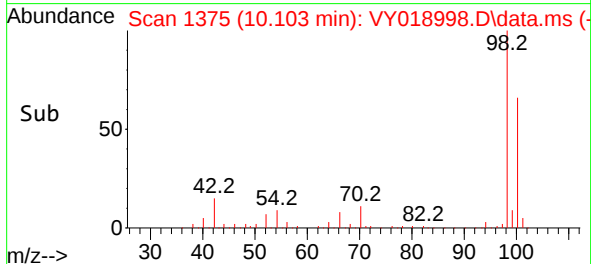
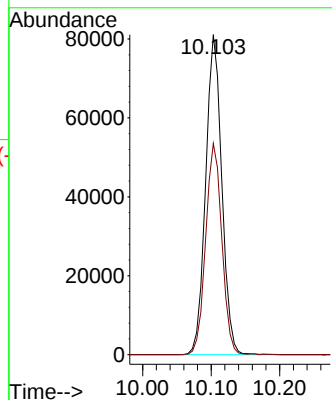
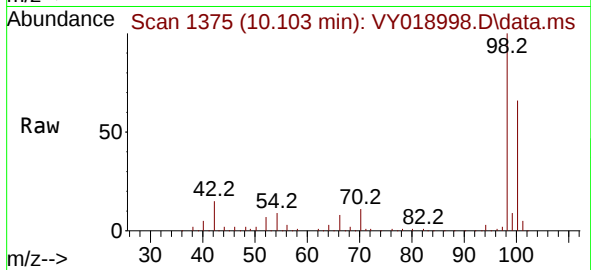
OU4-TS-20-080724

Tgt Ion: 98 Resp: 132732

Ion Ratio Lower Upper

98 100

100 66.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 34.268 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY018998.D

Acq: 12 Aug 2024 13:32

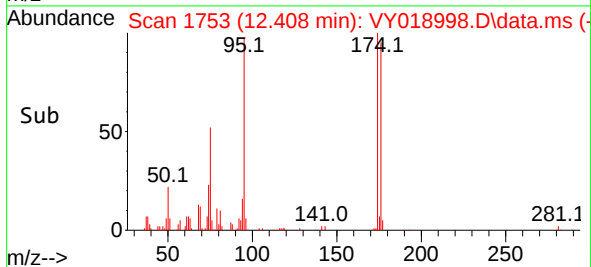
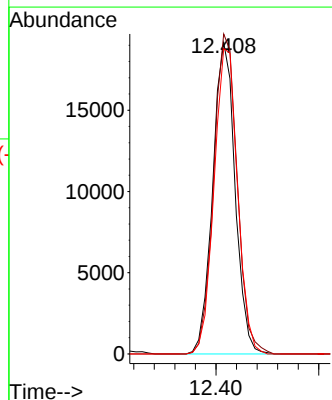
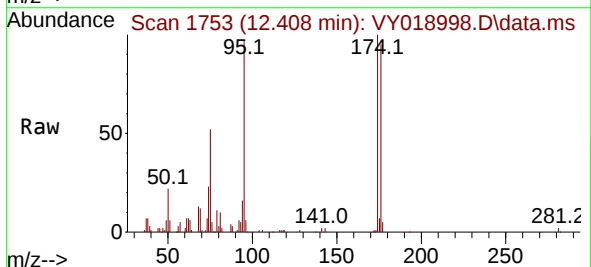
Tgt Ion: 95 Resp: 29004

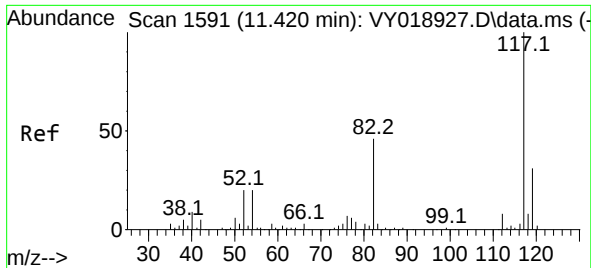
Ion Ratio Lower Upper

95 100

174 107.5 0.0 175.6

176 102.4 0.0 171.4

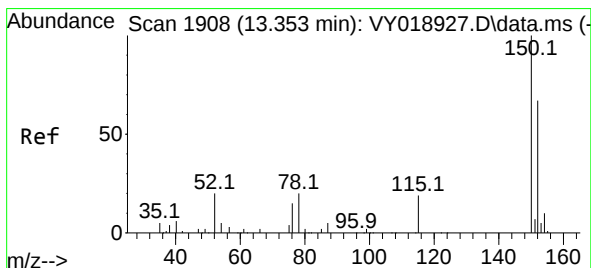
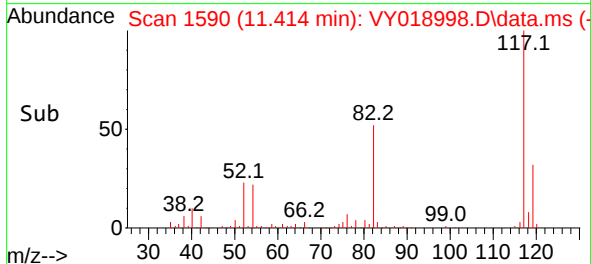
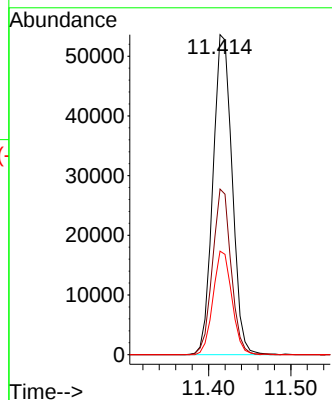
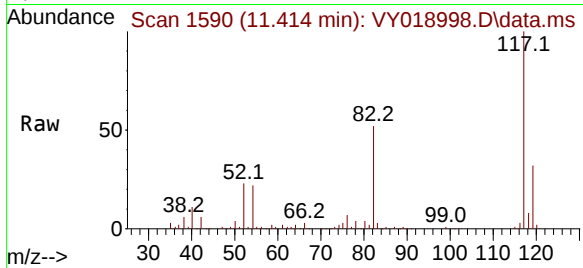




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018998.D
Acq: 12 Aug 2024 13:32

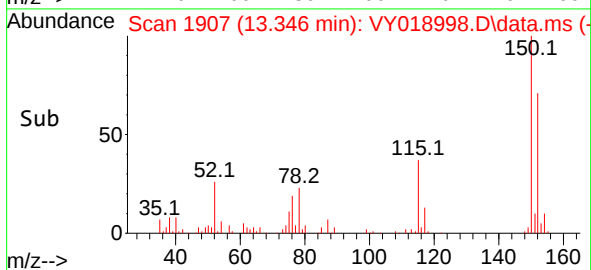
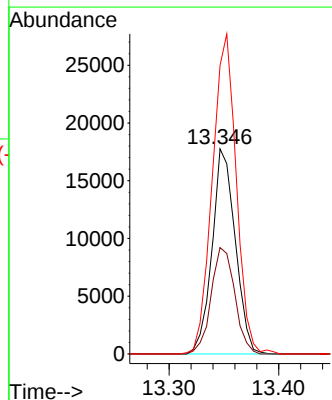
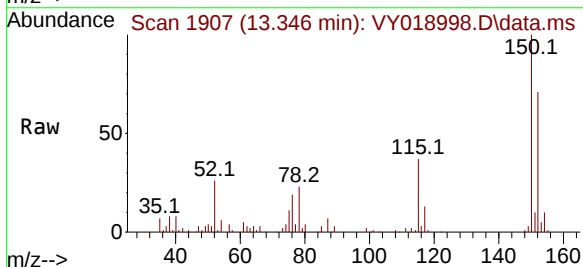
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-20-080724

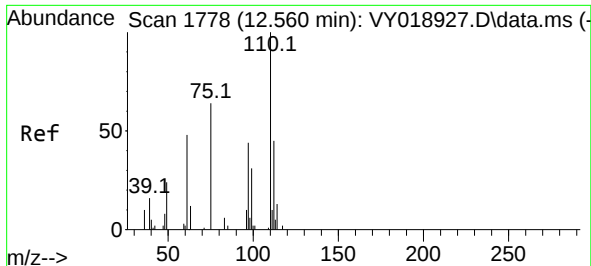
Tgt Ion:117 Resp: 86838
Ion Ratio Lower Upper
117 100
82 51.7 42.4 63.6
119 32.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY018998.D
Acq: 12 Aug 2024 13:32

Tgt Ion:152 Resp: 26120
Ion Ratio Lower Upper
152 100
115 52.8 28.2 84.7
150 160.7 0.0 345.6

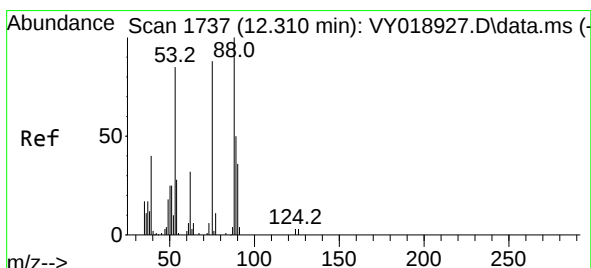
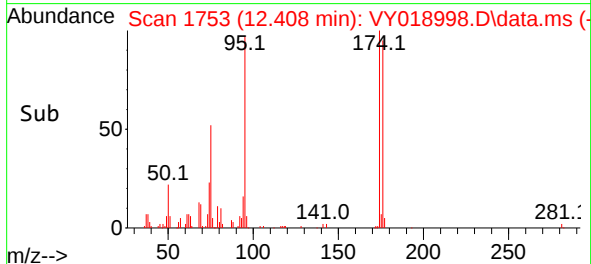
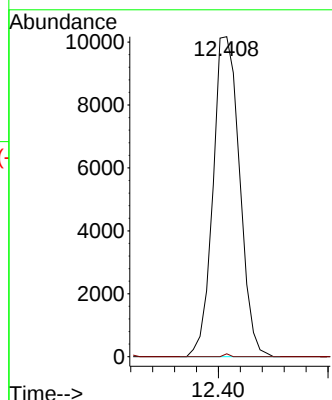
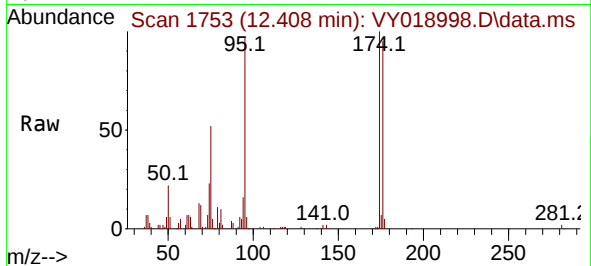




#76
1,2,3-Trichloropropane
Concen: 87.970 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY018998.D
Acq: 12 Aug 2024 13:32

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-20-080724

Tgt Ion: 75 Resp: 17118
Ion Ratio Lower Upper
75 100
77 0.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 181.269 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY018998.D
Acq: 12 Aug 2024 13:32

Tgt Ion: 75 Resp: 17118
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

