

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015906.D
 Acq On : 10 Oct 2023 18:49
 Operator : SY/MD
 Sample : 04801-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-4-100623

Quant Time: Oct 11 01:24:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

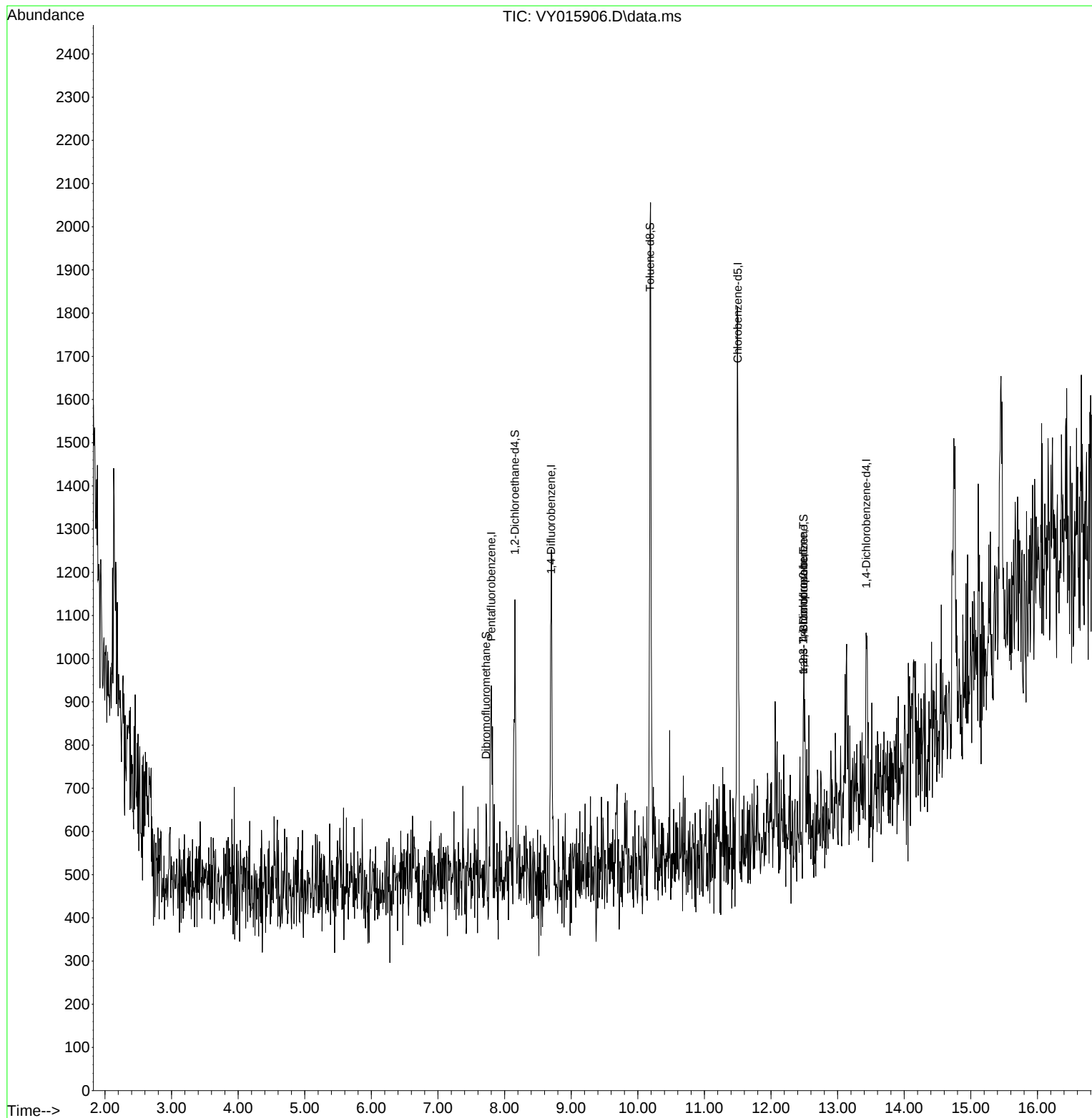
Internal Standards						
1) Pentafluorobenzene	7.801	168	525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	1074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	892	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	199	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	537	113.676	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	227.360%#
35) Dibromofluoromethane	7.722	113	55	9.181	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	18.360%#
50) Toluene-d8	10.185	98	1238	62.706	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	125.420%
62) 4-Bromofluorobenzene	12.489	95	204	25.439	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	50.880%
Target Compounds						
					Qvalue	
76) 1,2,3-Trichloropropane	12.483	75	39	16.788	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39	37.228	ug/l #	10

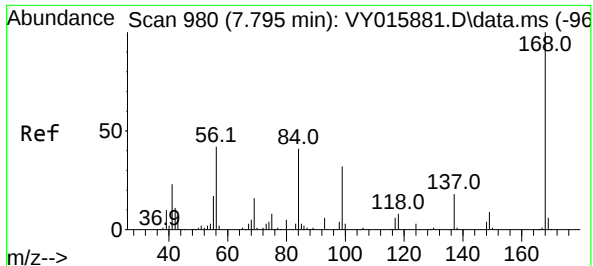
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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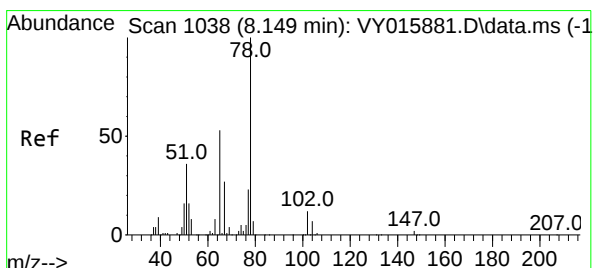
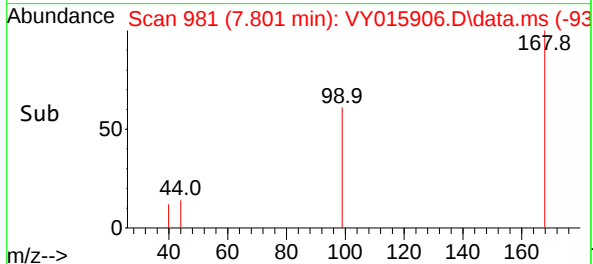
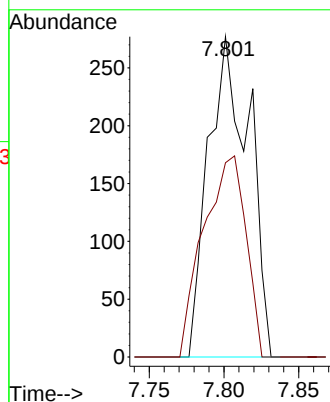
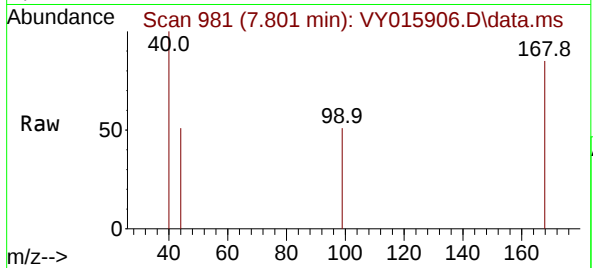




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015906.D
Acq: 10 Oct 2023 18:49

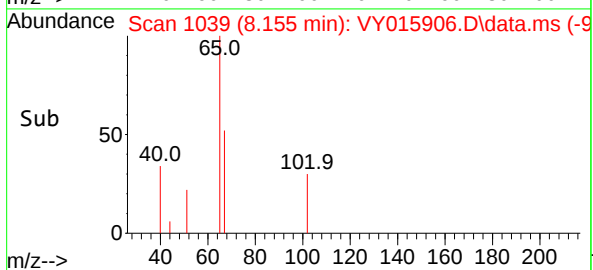
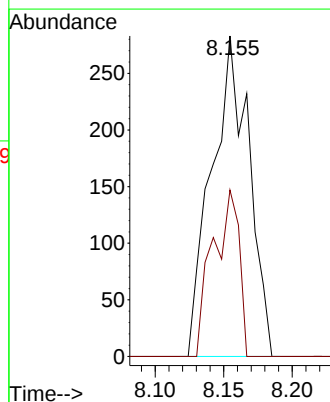
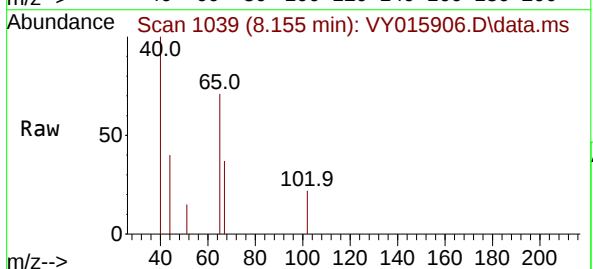
Instrument :
MSVOA_Y
ClientSampleId :
HR-4-100623

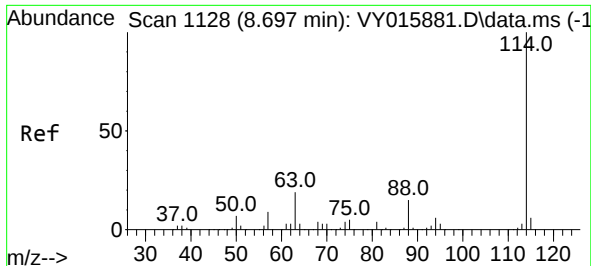
Tgt Ion:168 Resp: 525
Ion Ratio Lower Upper
168 100
99 60.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 113.676 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015906.D
Acq: 10 Oct 2023 18:49

Tgt Ion: 65 Resp: 537
Ion Ratio Lower Upper
65 100
67 36.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY015906.D

Acq: 10 Oct 2023 18:49

Instrument :

MSVOA_Y

ClientSampleId :

HR-4-100623

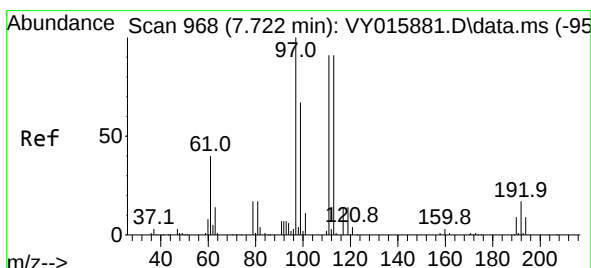
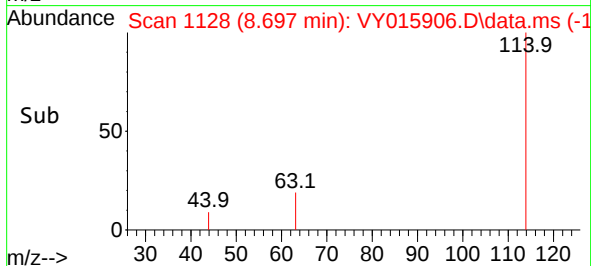
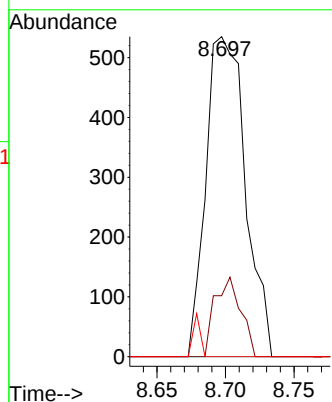
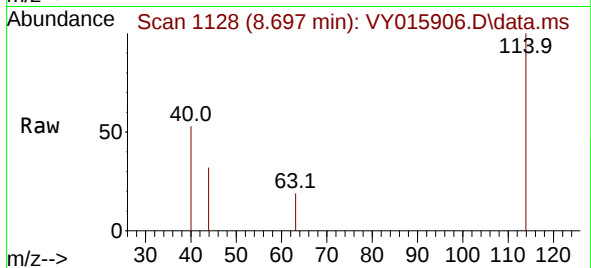
Tgt Ion:114 Resp: 1074

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 0.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 9.181 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY015906.D

Acq: 10 Oct 2023 18:49

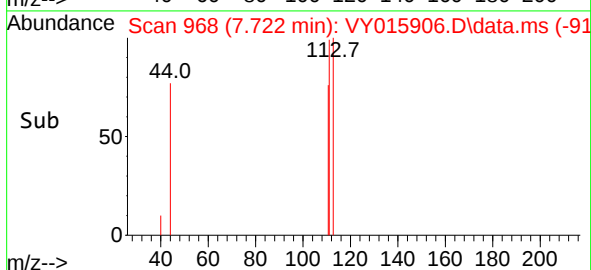
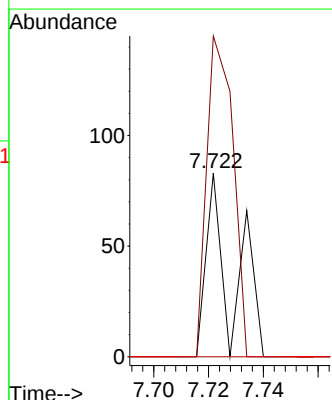
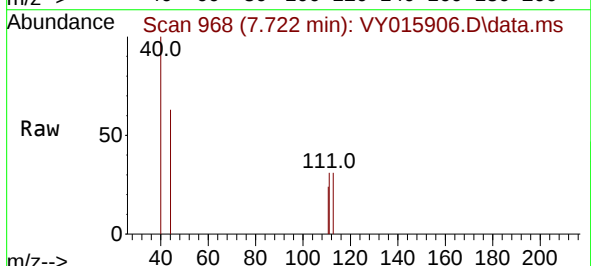
Tgt Ion:113 Resp: 55

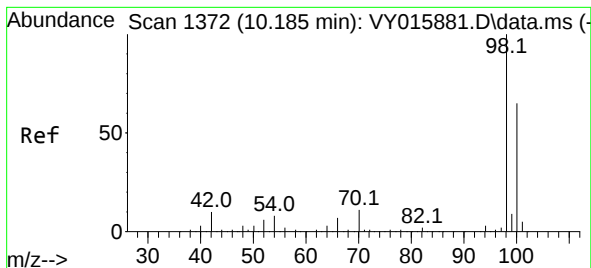
Ion Ratio Lower Upper

113 100

111 176.4 81.3 121.9#

192 0.0 16.9 25.3#





#50

Toluene-d8

Concen: 62.706 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015906.D

Acq: 10 Oct 2023 18:49

Instrument :

MSVOA_Y

ClientSampleId :

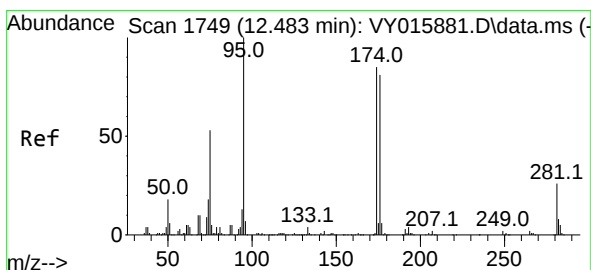
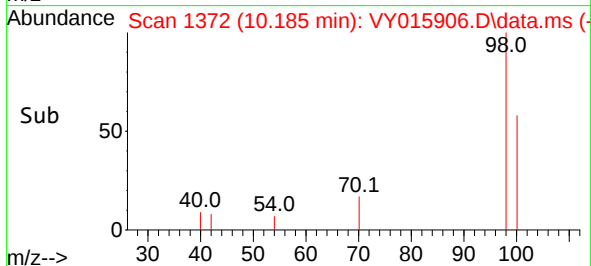
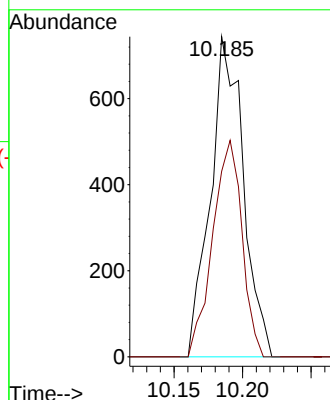
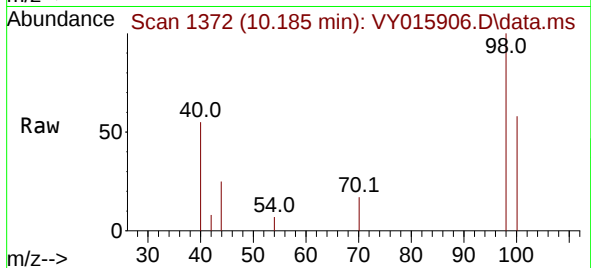
HR-4-100623

Tgt Ion: 98 Resp: 1238

Ion Ratio Lower Upper

98 100

100 60.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 25.439 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY015906.D

Acq: 10 Oct 2023 18:49

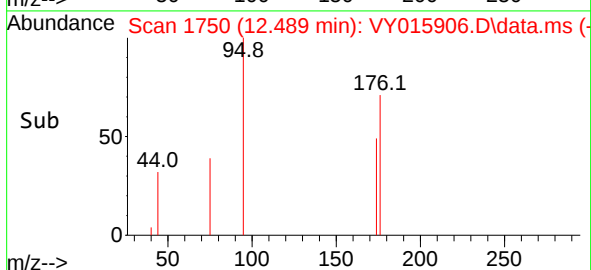
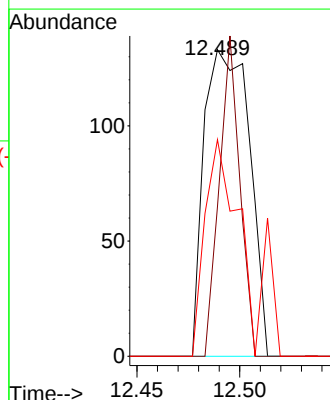
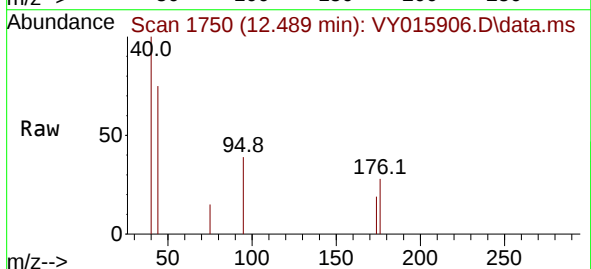
Tgt Ion: 95 Resp: 204

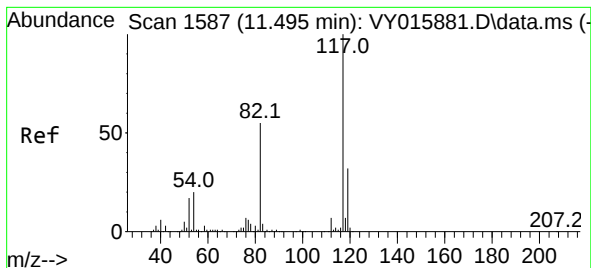
Ion Ratio Lower Upper

95 100

174 47.1 0.0 178.2

176 61.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1158

Delta R.T. 0.006 min

Lab File: VY015906.D

Acq: 10 Oct 2023 18:49

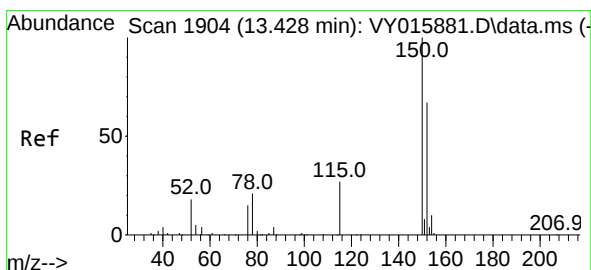
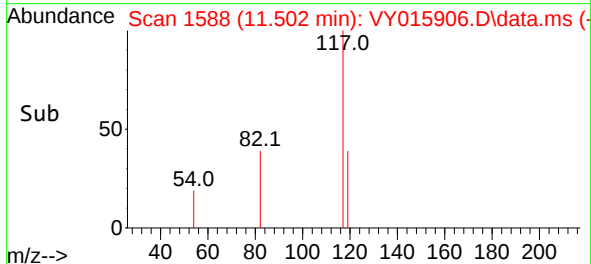
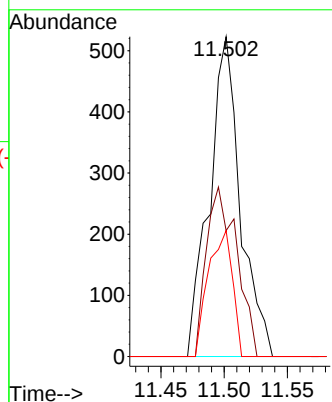
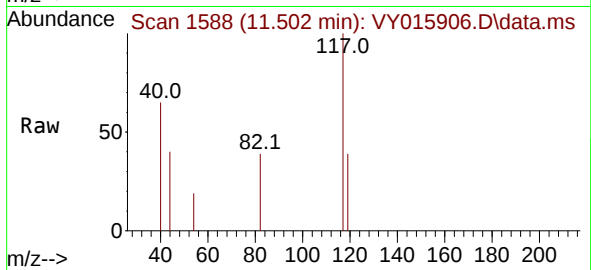
Instrument :

MSVOA_Y

ClientSampleId :

HR-4-100623

Tgt Ion:117	Resp:	892
Ion	Ratio	Lower Upper
117	100	
82	39.4	43.4 65.0#
119	39.4	26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

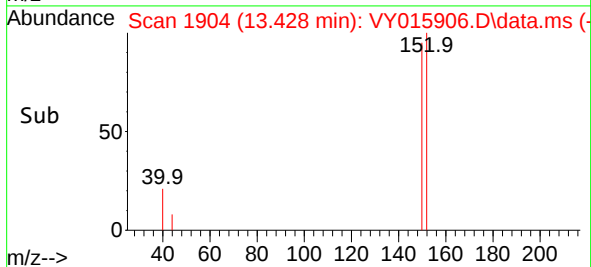
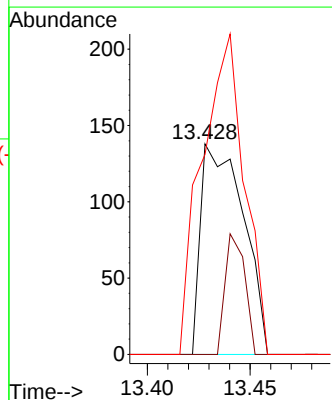
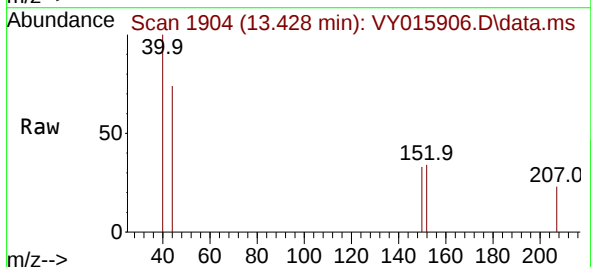
RT: 13.428 min Scan# 1904

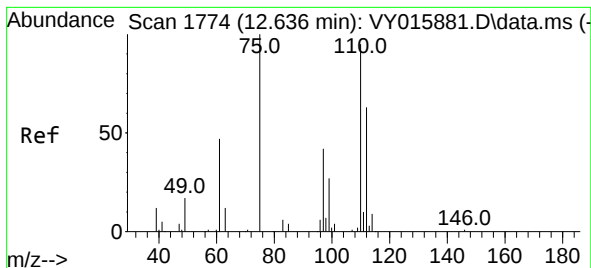
Delta R.T. -0.000 min

Lab File: VY015906.D

Acq: 10 Oct 2023 18:49

Tgt Ion:152	Resp:	199
Ion	Ratio	Lower Upper
152	100	
115	26.1	28.8 86.5#
150	151.8	0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 16.788 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY015906.D

Acq: 10 Oct 2023 18:49

Instrument :

MSVOA_Y

ClientSampleId :

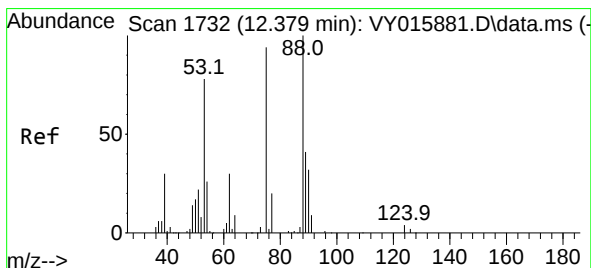
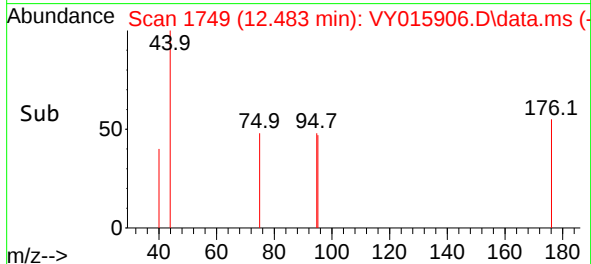
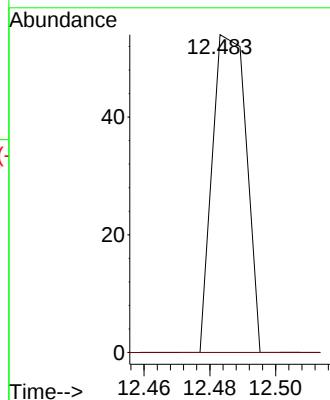
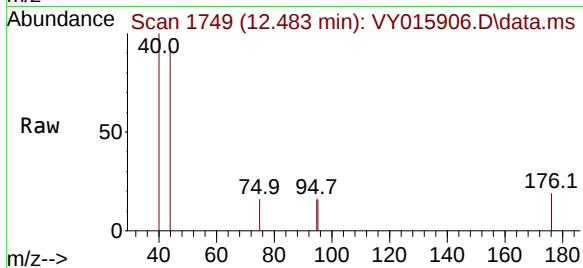
HR-4-100623

Tgt Ion: 75 Resp: 39

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 37.228 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY015906.D

Acq: 10 Oct 2023 18:49

Tgt Ion: 75 Resp: 39

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

