

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014956.D
 Acq On : 03 Aug 2023 18:13
 Operator : SY/MD
 Sample : 03887-07
 Misc : 4.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MCLEAN-TP4

Quant Time: Aug 04 04:33:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

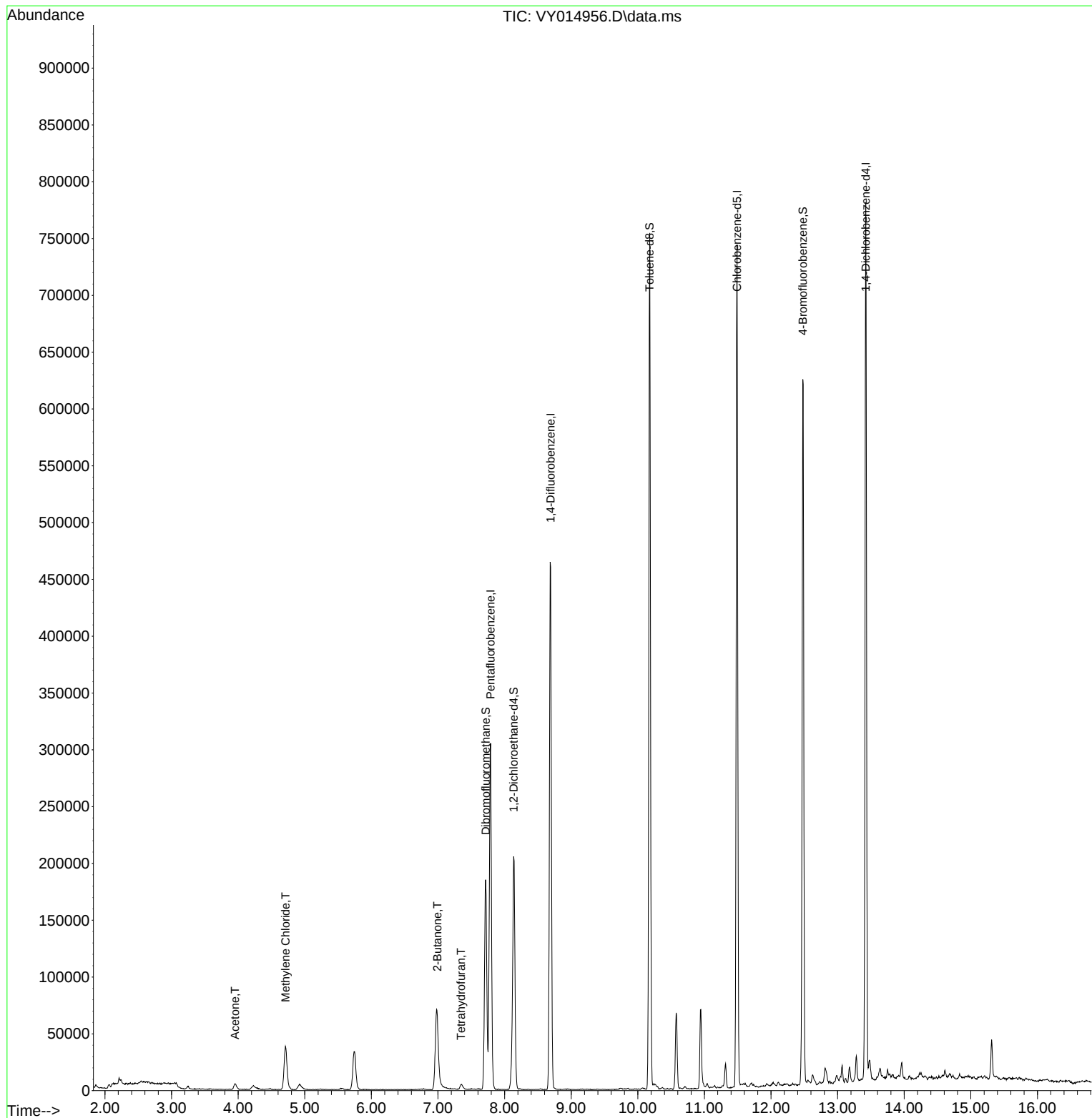
Internal Standards						
1) Pentafluorobenzene	7.789	168	231805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	412279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	397771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	195888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	151681	57.422	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.840%			
35) Dibromofluoromethane	7.716	113	131474	50.095	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.200%			
50) Toluene-d8	10.179	98	490733	50.717	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.440%			
62) 4-Bromofluorobenzene	12.477	95	189884	51.180	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.360%			
Target Compounds					Qvalue	
16) Acetone	3.954	43	9529	11.384	ug/l #	76
20) Methylene Chloride	4.710	84	29109	7.080	ug/l	93
25) 2-Butanone	6.990	43	13305	10.865	ug/l	96
29) Tetrahydrofuran	7.344	42	3664	4.859	ug/l #	90

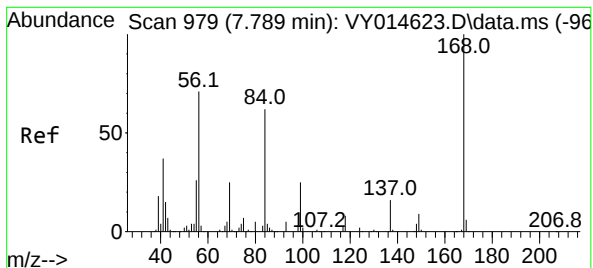
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY014956.D

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Instrument :

MSVOA_Y

ClientSampleId :

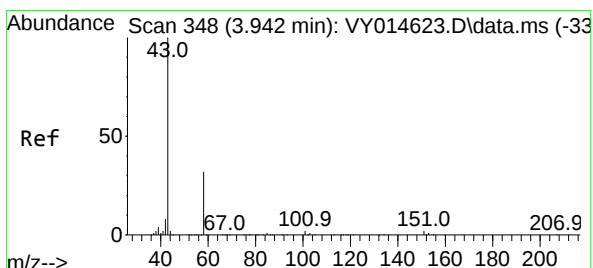
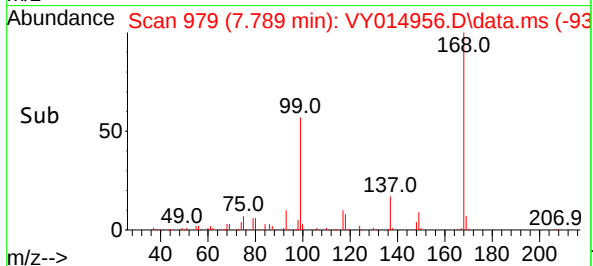
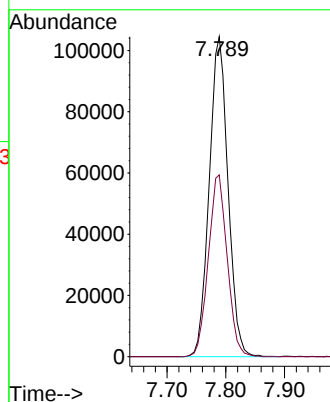
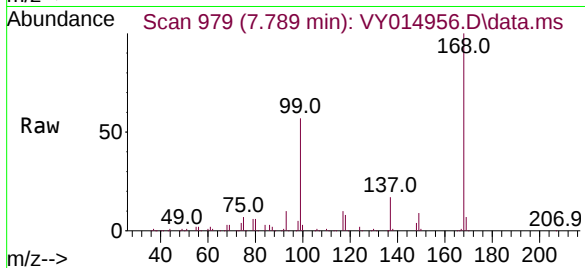
MCLEAN-TP4

Tgt Ion:168 Resp: 231805

Ion Ratio Lower Upper

168 100

99 56.8 43.4 65.0



#16

Acetone

Concen: 11.384 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY014956.D

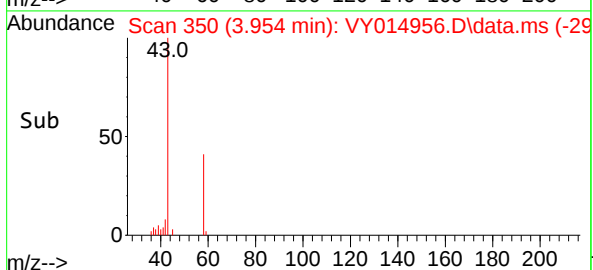
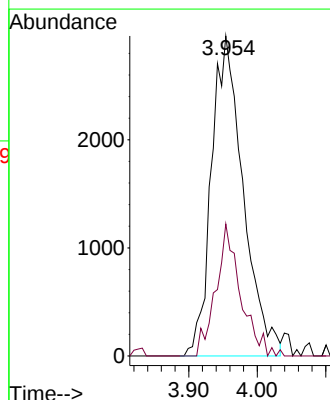
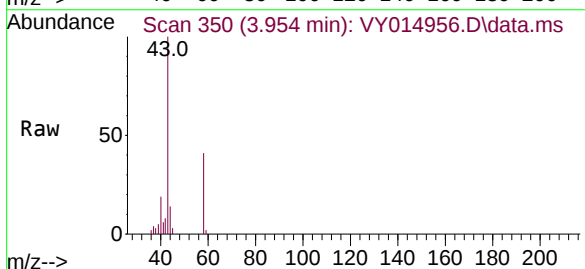
Acq: 03 Aug 2023 18:13

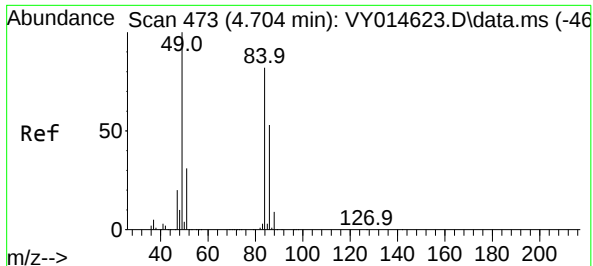
Tgt Ion: 43 Resp: 9529

Ion Ratio Lower Upper

43 100

58 41.3 22.7 34.1#





#20

Methylene Chloride

Concen: 7.080 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY014956.D

Acq: 03 Aug 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP4

Tgt Ion: 84 Resp: 29109

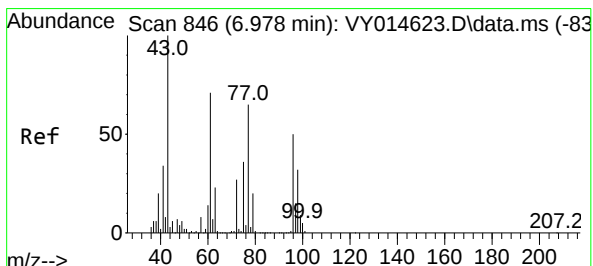
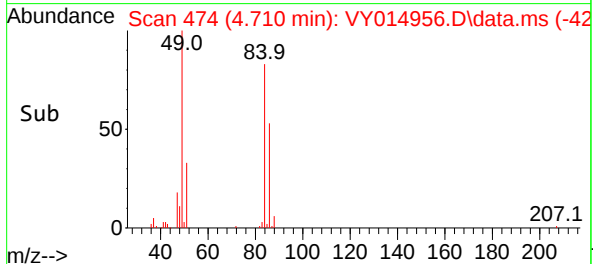
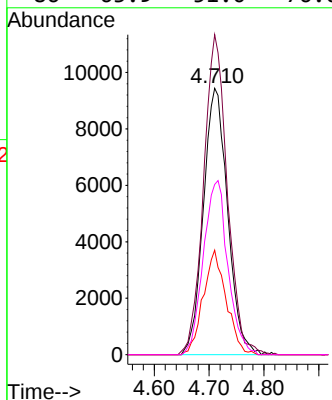
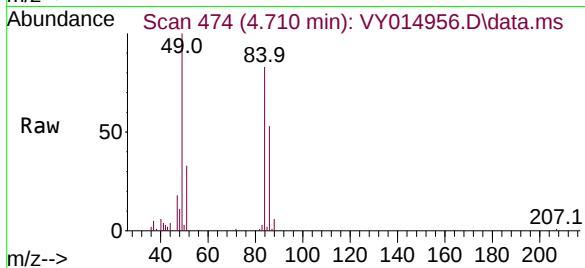
Ion Ratio Lower Upper

84 100

49 120.2 106.9 160.3

51 39.2 33.2 49.8

86 63.9 51.0 76.6



#25

2-Butanone

Concen: 10.865 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.012 min

Lab File: VY014956.D

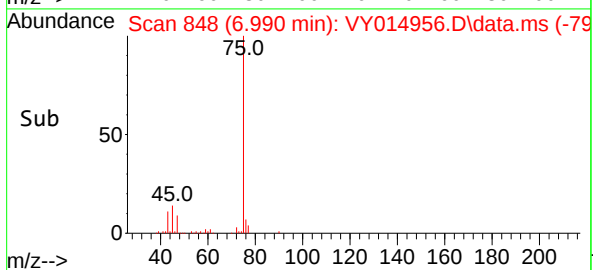
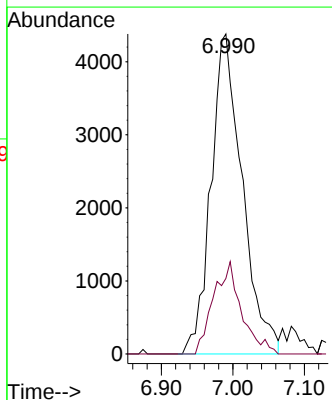
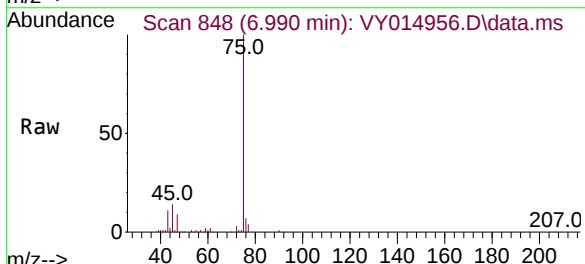
Acq: 03 Aug 2023 18:13

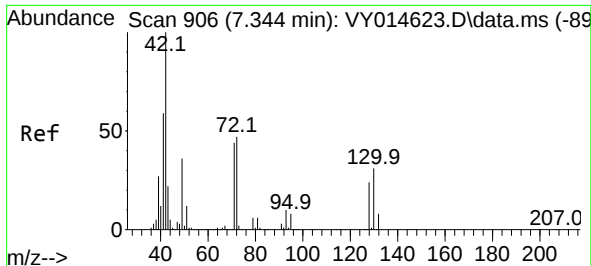
Tgt Ion: 43 Resp: 13305

Ion Ratio Lower Upper

43 100

72 23.6 20.5 30.7





#29

Tetrahydrofuran

Concen: 4.859 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY014956.D

Acq: 03 Aug 2023 18:13

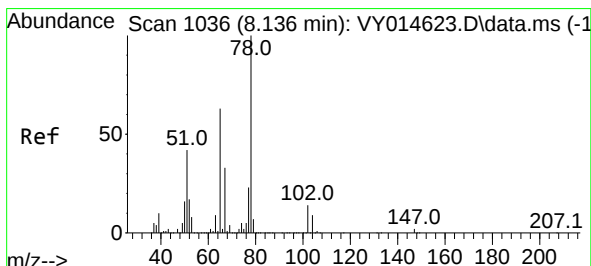
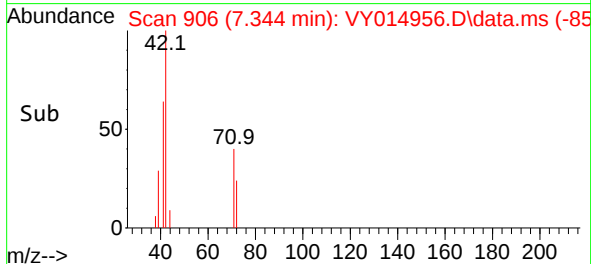
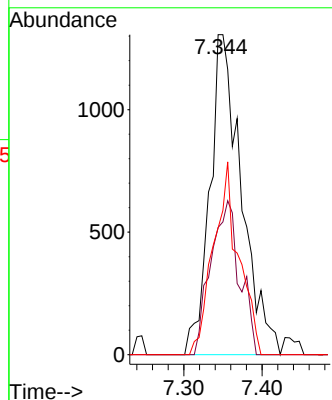
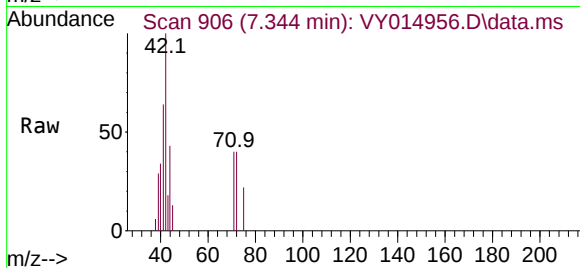
Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP4

Tgt Ion:	42	Resp:	3664
Ion	Ratio	Lower	Upper
42	100		
72	43.9	32.8	49.2
71	48.1	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 57.422 ug/l

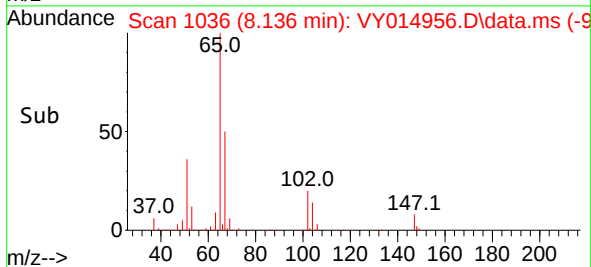
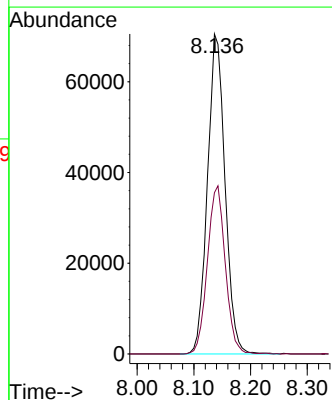
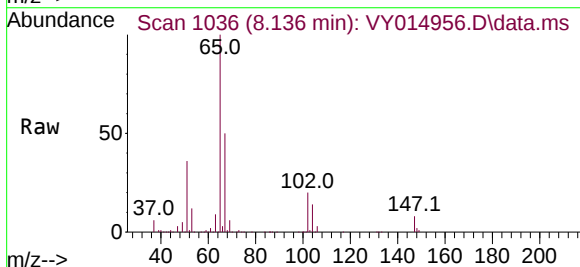
RT: 8.136 min Scan# 1036

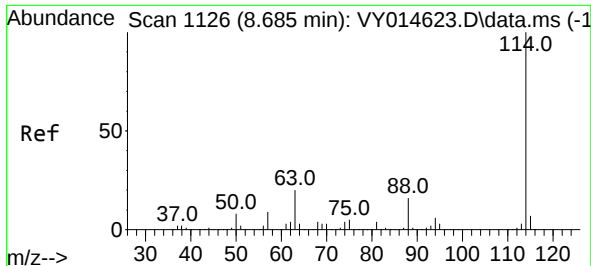
Delta R.T. 0.000 min

Lab File: VY014956.D

Acq: 03 Aug 2023 18:13

Tgt Ion:	65	Resp:	151681
Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014956.D

Acq: 03 Aug 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP4

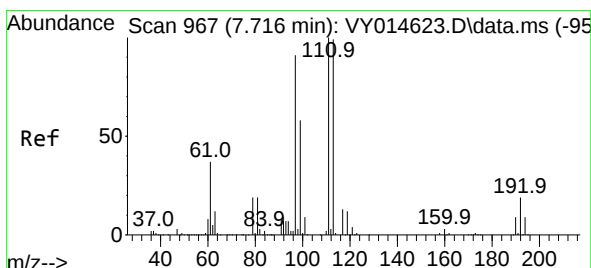
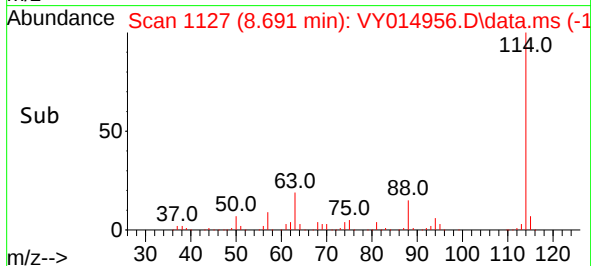
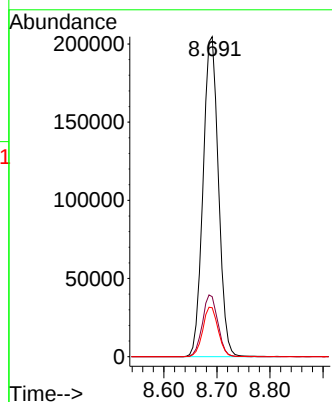
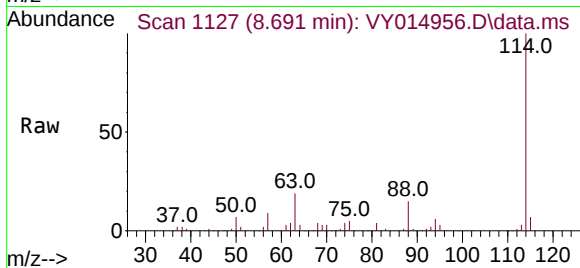
Tgt Ion:114 Resp: 412279

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.095 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014956.D

Acq: 03 Aug 2023 18:13

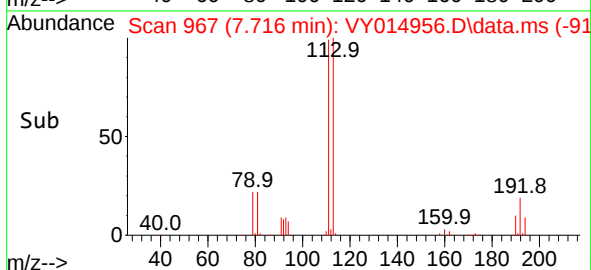
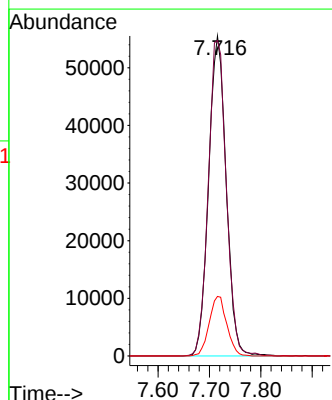
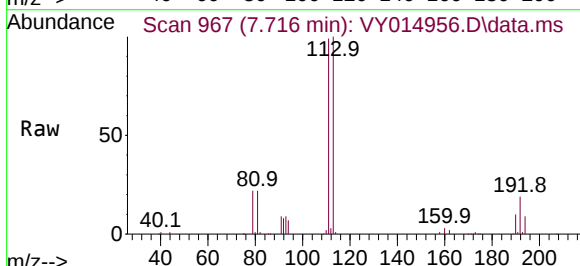
Tgt Ion:113 Resp: 131474

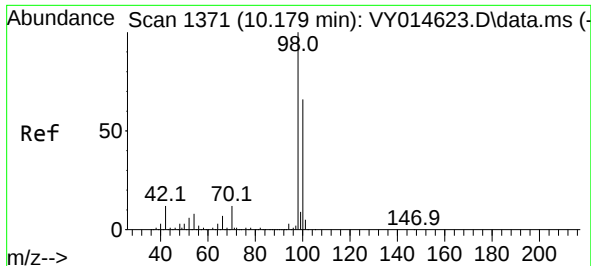
Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

192 18.6 16.9 25.3

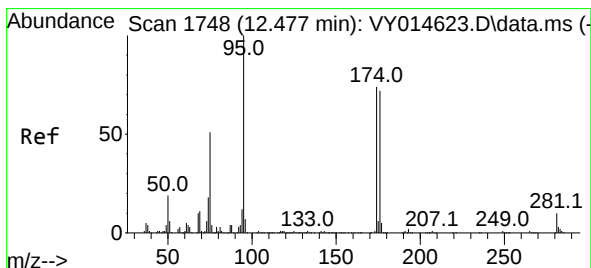
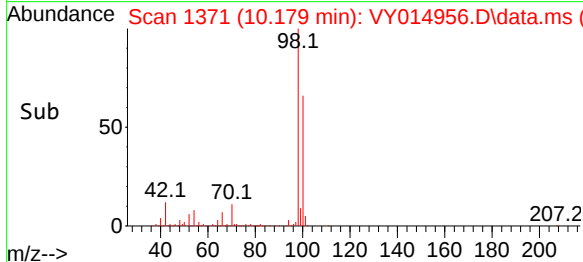
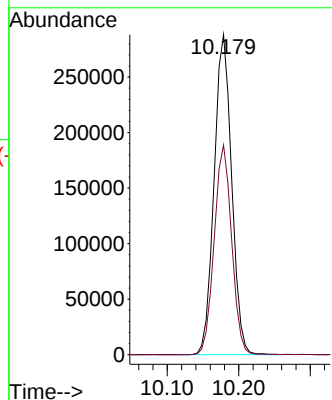
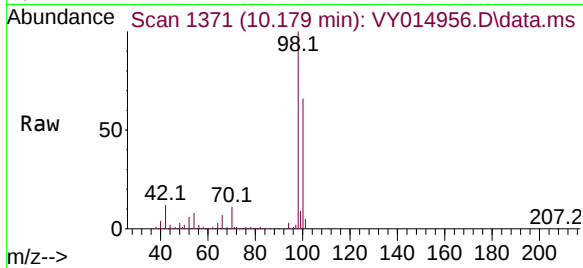




#50
Toluene-d8
Concen: 50.717 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

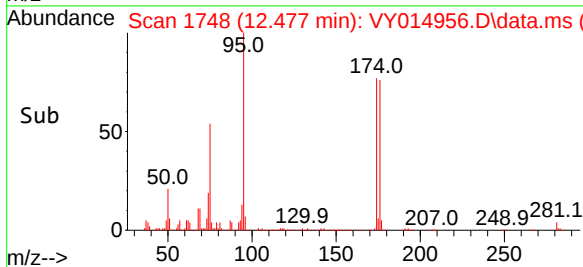
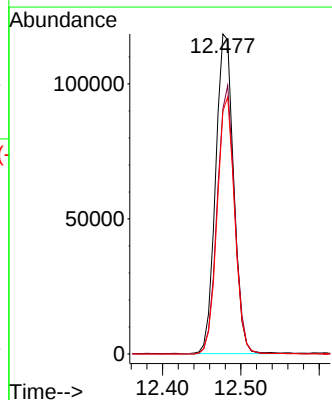
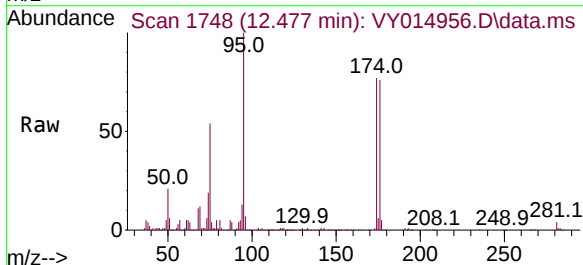
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4

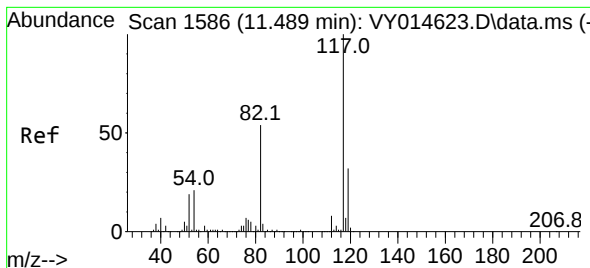
Tgt Ion: 98 Resp: 490733
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.180 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Tgt Ion: 95 Resp: 189884
Ion Ratio Lower Upper
95 100
174 81.4 0.0 178.2
176 78.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY014956.D

Acq: 03 Aug 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP4

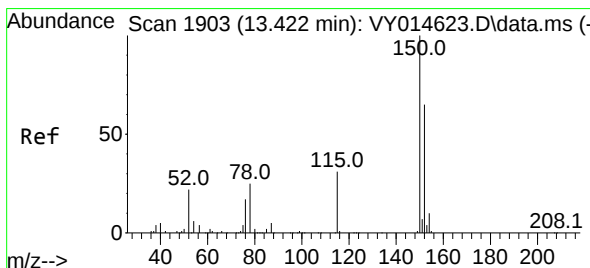
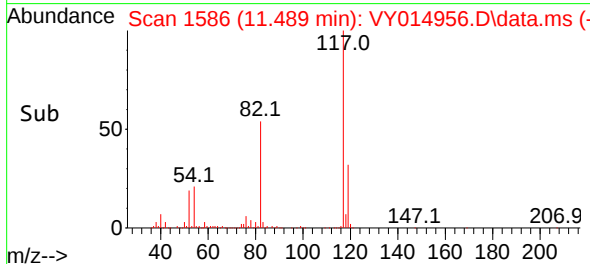
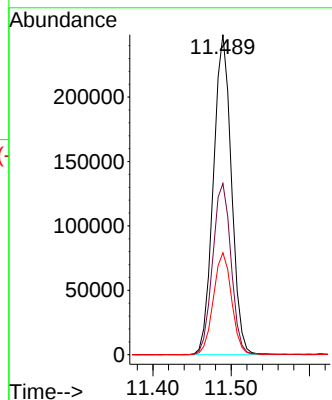
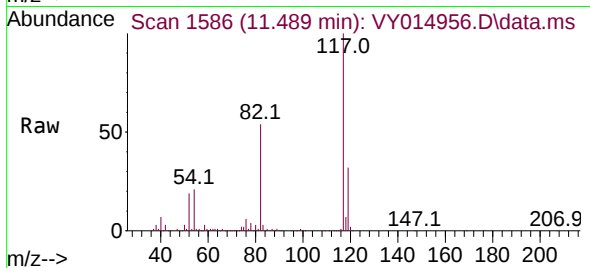
Tgt Ion:117 Resp: 397771

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014956.D

Acq: 03 Aug 2023 18:13

Tgt Ion:152 Resp: 195888

Ion Ratio Lower Upper

152 100

115 59.5 28.8 86.5

150 158.6 0.0 348.8

