

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014955.D
 Acq On : 03 Aug 2023 17:49
 Operator : SY/MD
 Sample : 03887-10
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MCLEAN-TP2

Quant Time: Aug 04 04:33:21 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)

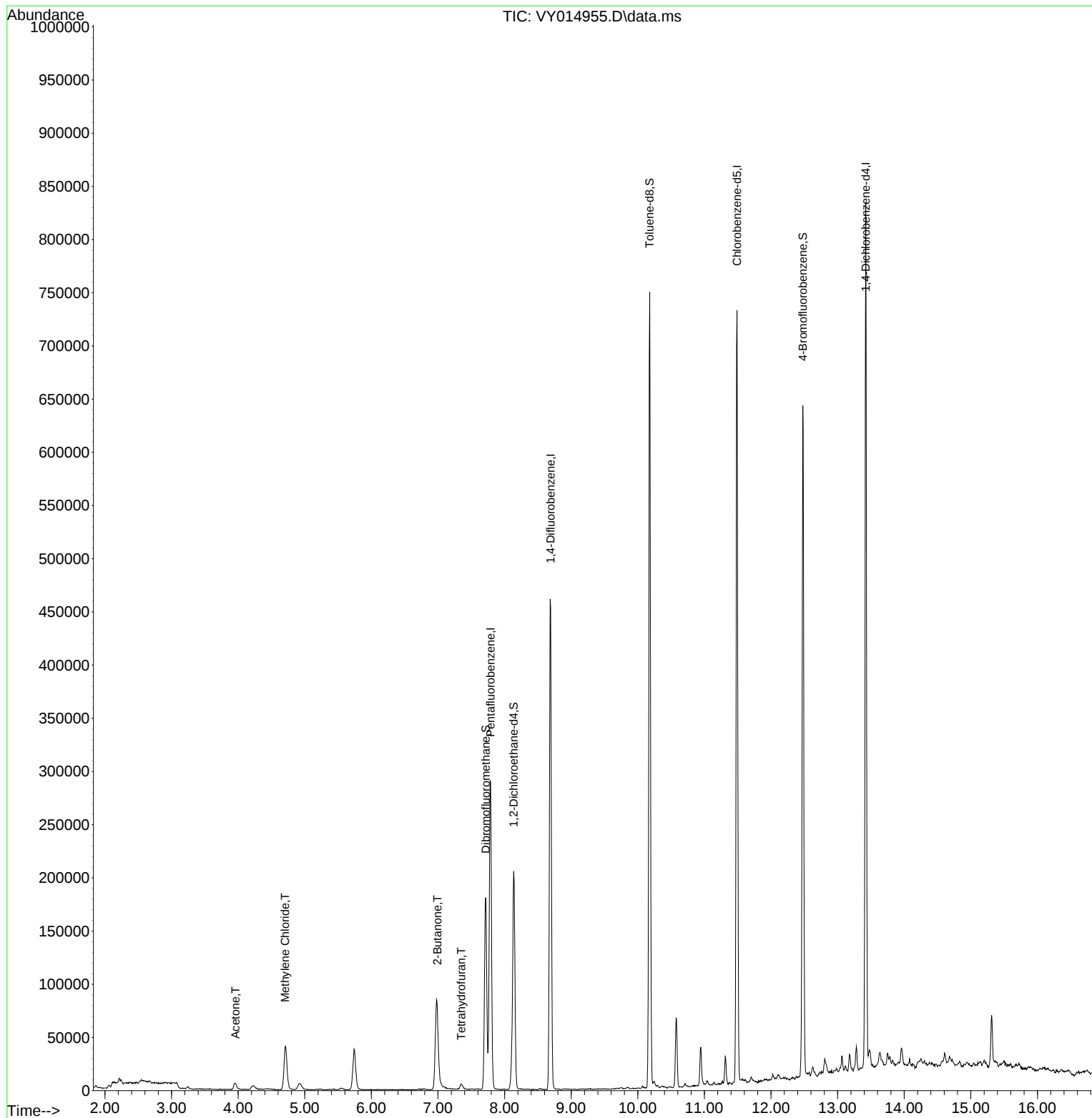
Internal Standards						
1) Pentafluorobenzene	7.789	168	230834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	407445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	394981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	193432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	153124	58.212	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.420%
35) Dibromofluoromethane	7.716	113	127782	49.266	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.540%
50) Toluene-d8	10.179	98	480300	50.228	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.460%
62) 4-Bromofluorobenzene	12.477	95	185613	50.623	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.240%
Target Compounds						
						Qvalue
16) Acetone	3.960	43	11942	14.327	ug/l	100
20) Methylene Chloride	4.704	84	32314	8.422	ug/l	92
25) 2-Butanone	6.990	43	15061	12.350	ug/l #	89
29) Tetrahydrofuran	7.350	42	4144	5.519	ug/l	96

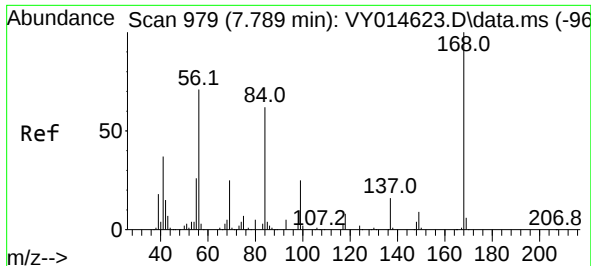
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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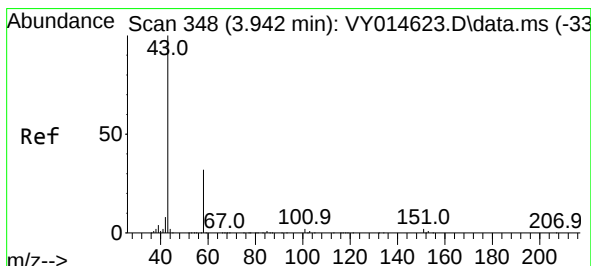
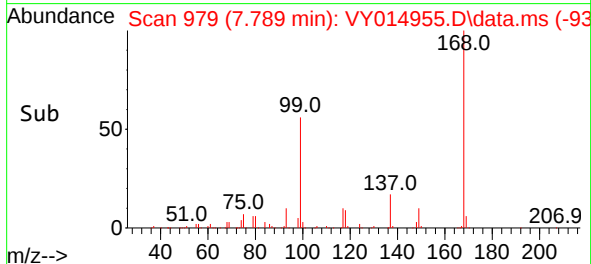
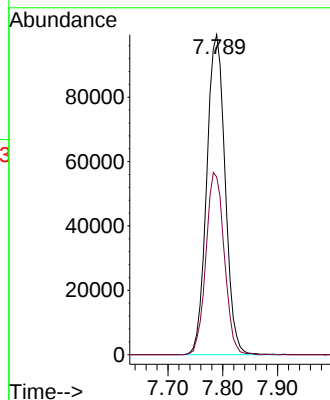
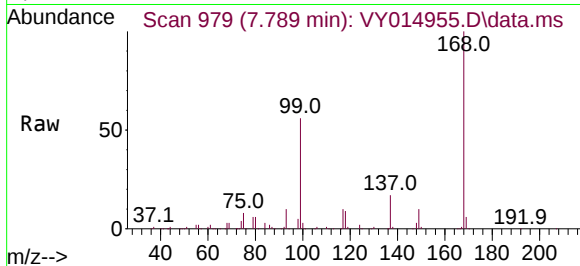




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

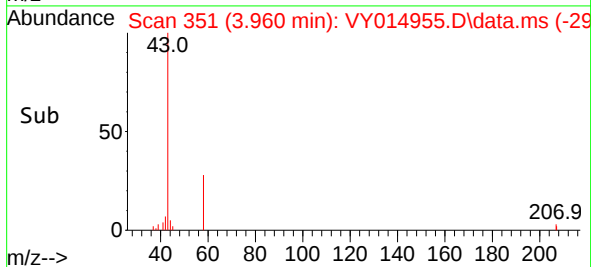
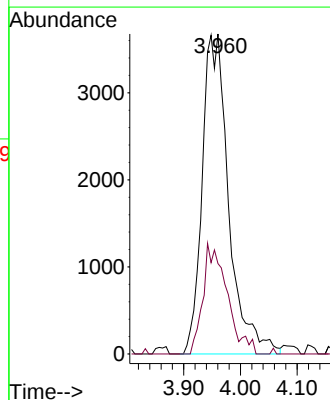
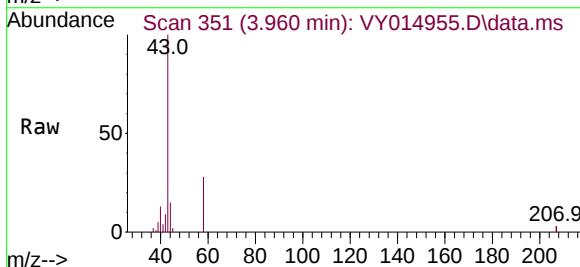
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

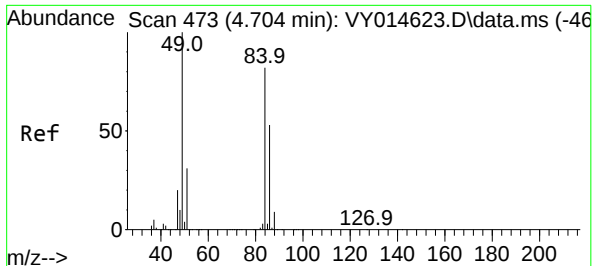
Tgt Ion:168 Resp: 230834
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#16
Acetone
Concen: 14.327 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 43 Resp: 11942
Ion Ratio Lower Upper
43 100
58 28.3 22.7 34.1

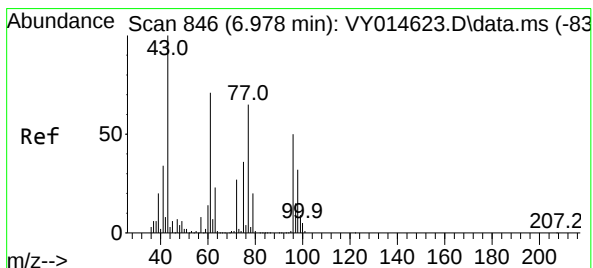
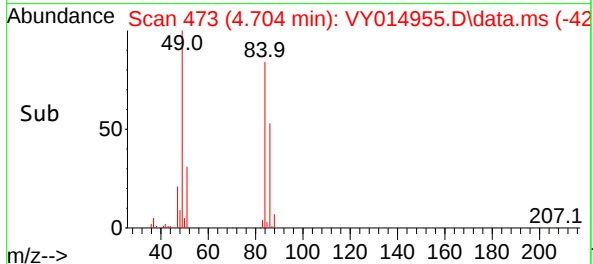
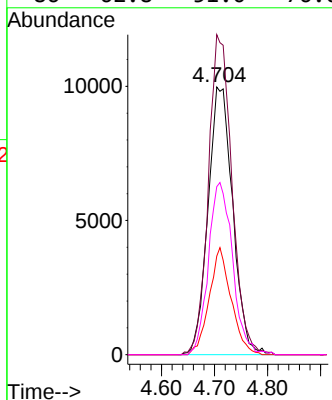
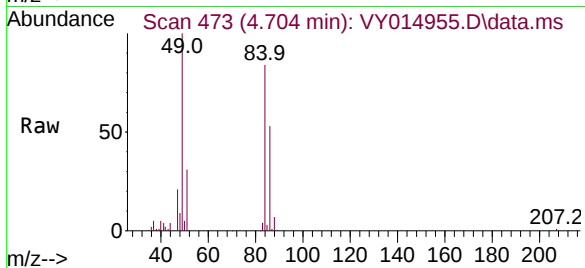




#20
Methylene Chloride
Concen: 8.422 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

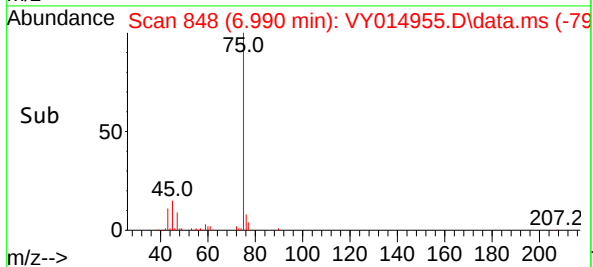
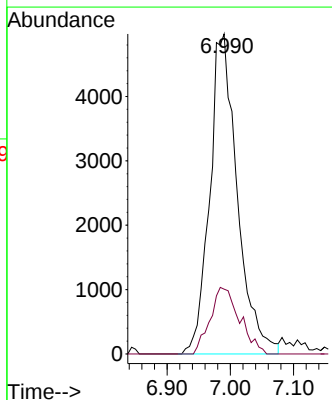
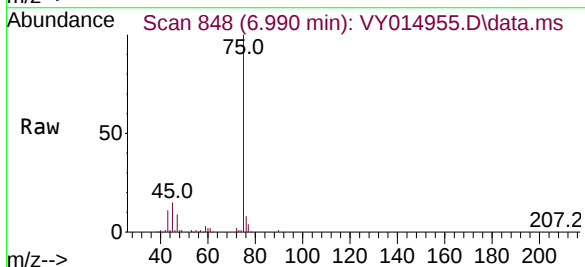
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

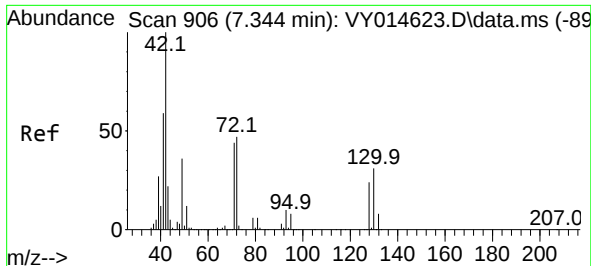
Tgt Ion:	84	Resp:	32314
Ion	Ratio	Lower	Upper
84	100		
49	119.6	106.9	160.3
51	36.8	33.2	49.8
86	62.8	51.0	76.6



#25
2-Butanone
Concen: 12.350 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion:	43	Resp:	15061
Ion	Ratio	Lower	Upper
43	100		
72	20.2	20.5	30.7#





#29

Tetrahydrofuran

Concen: 5.519 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014955.D

Acq: 03 Aug 2023 17:49

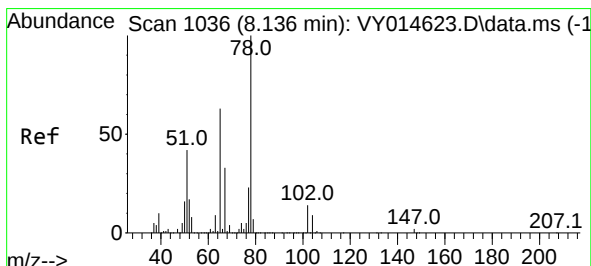
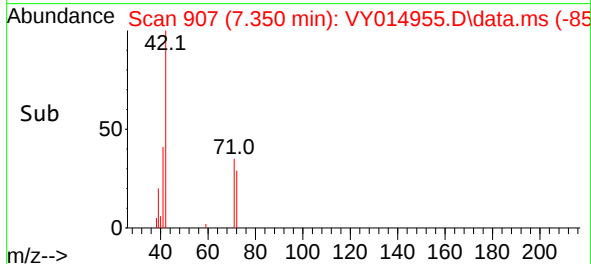
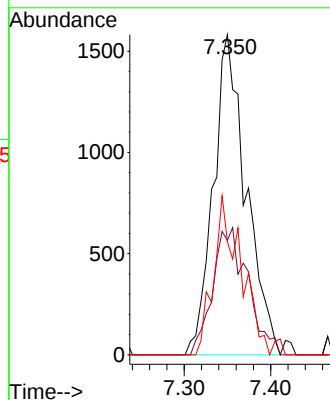
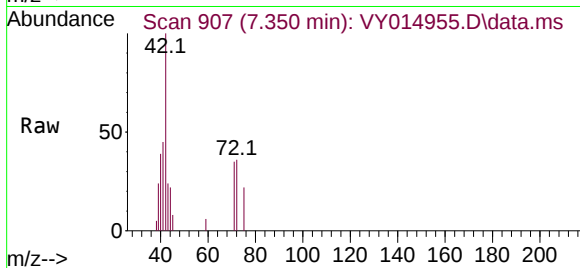
Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP2

Tgt Ion:	42	Resp:	4144
Ion Ratio	Lower	Upper	
42	100		
72	42.5	32.8	49.2
71	41.6	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 58.212 ug/l

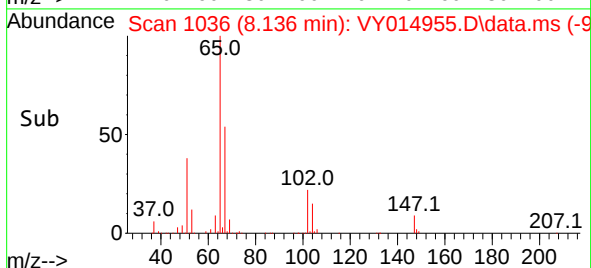
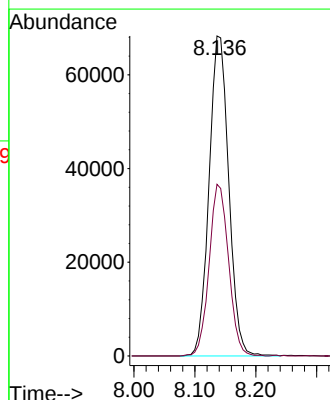
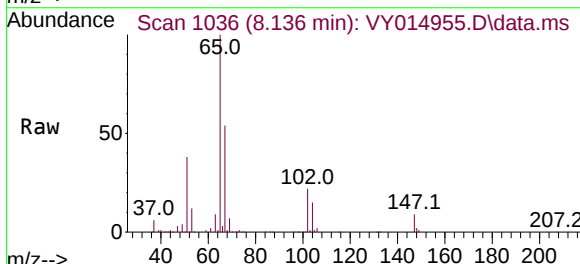
RT: 8.136 min Scan# 1036

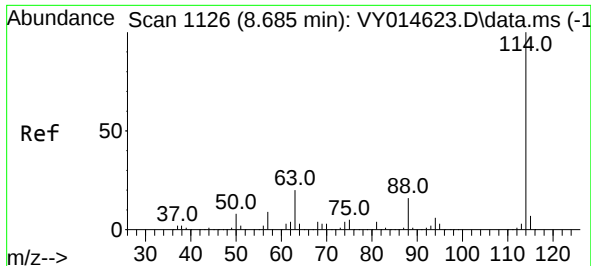
Delta R.T. 0.000 min

Lab File: VY014955.D

Acq: 03 Aug 2023 17:49

Tgt Ion:	65	Resp:	153124
Ion Ratio	Lower	Upper	
65	100		
67	53.0	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: VY014955.D

Acq: 03 Aug 2023 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP2

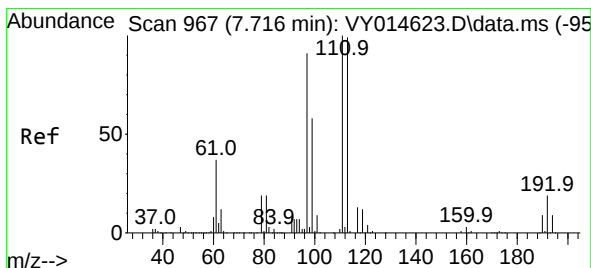
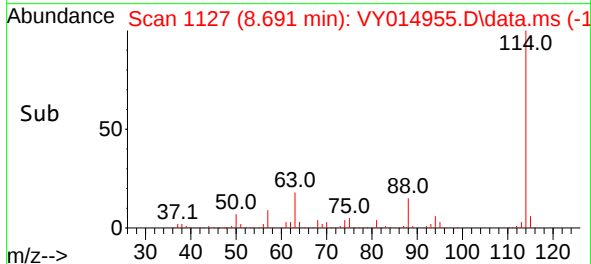
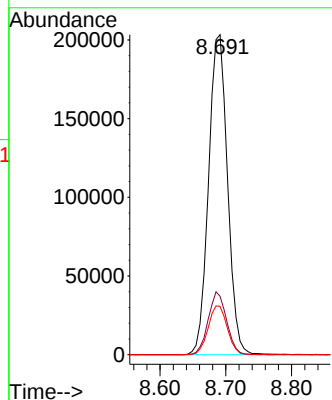
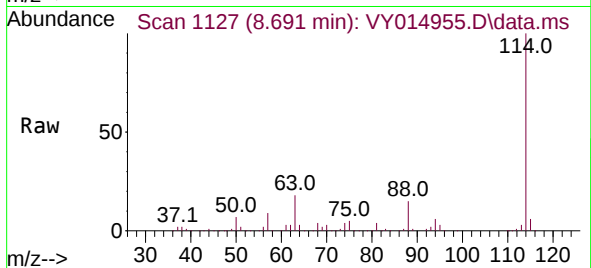
Tgt Ion:114 Resp: 407445

Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.266 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014955.D

Acq: 03 Aug 2023 17:49

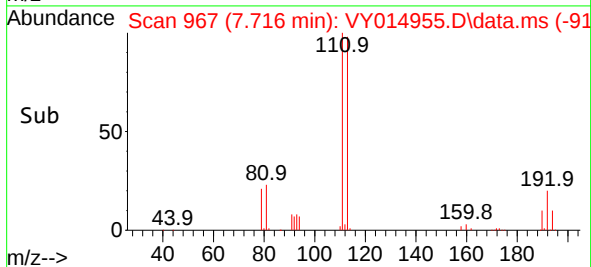
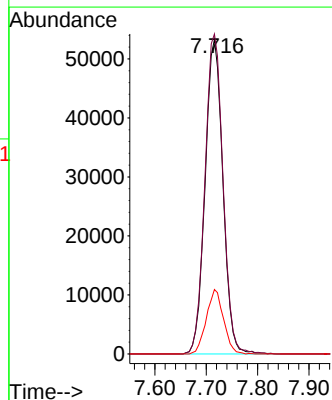
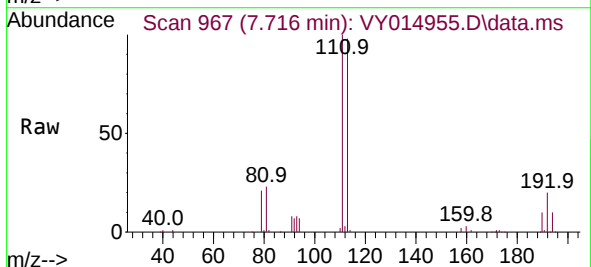
Tgt Ion:113 Resp: 127782

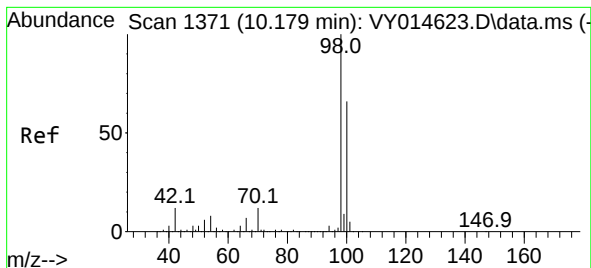
Ion Ratio Lower Upper

113 100

111 103.7 81.3 121.9

192 19.8 16.9 25.3

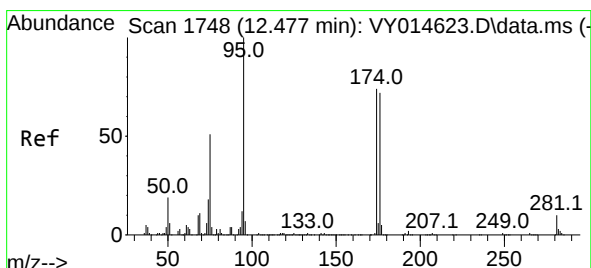
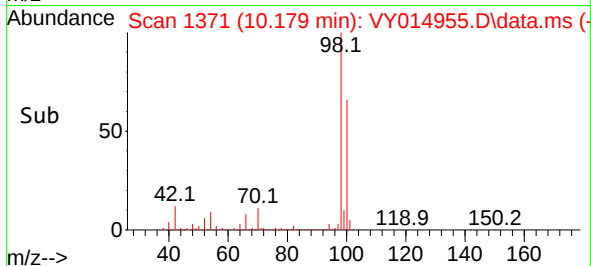
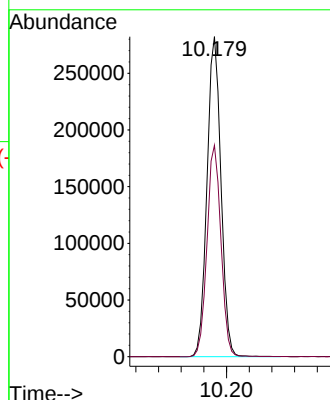
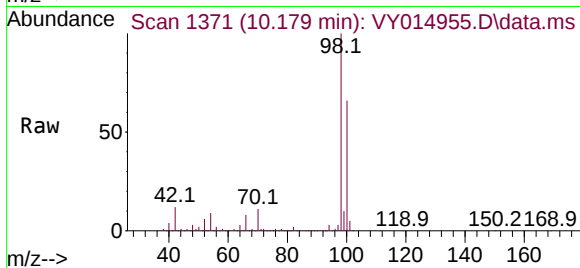




#50
Toluene-d8
Concen: 50.228 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

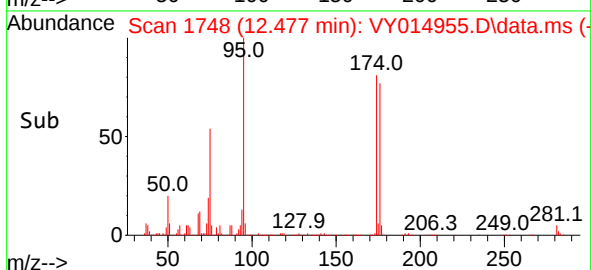
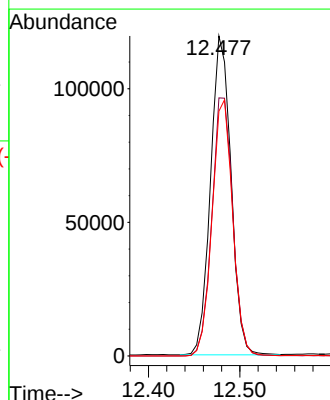
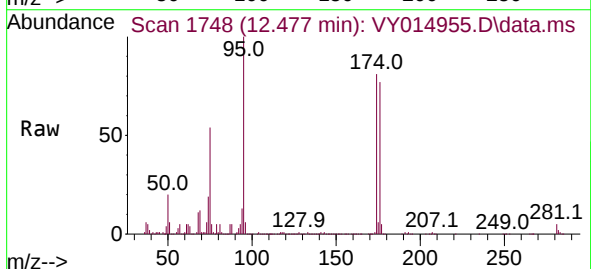
Instrument :
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MCLEAN-TP2

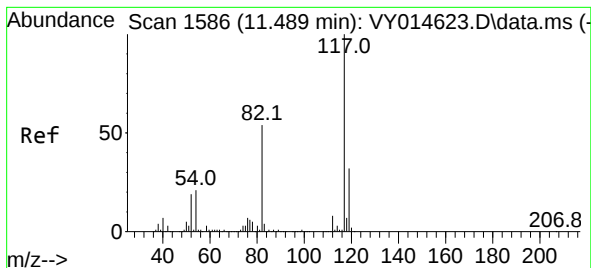
Tgt Ion: 98 Resp: 480300
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.623 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 95 Resp: 185613
Ion Ratio Lower Upper
95 100
174 83.0 0.0 178.2
176 80.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014955.D

Acq: 03 Aug 2023 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP2

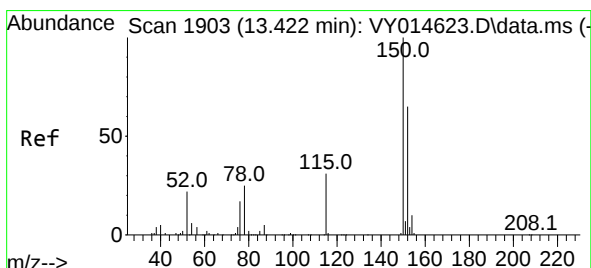
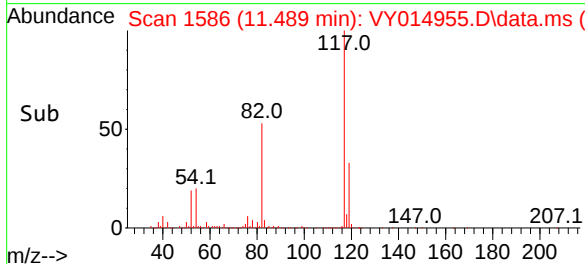
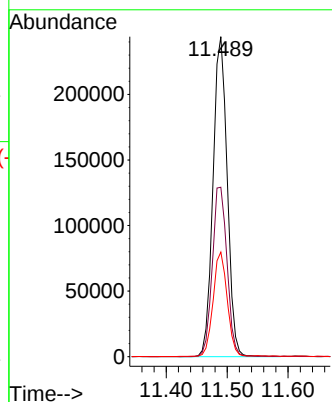
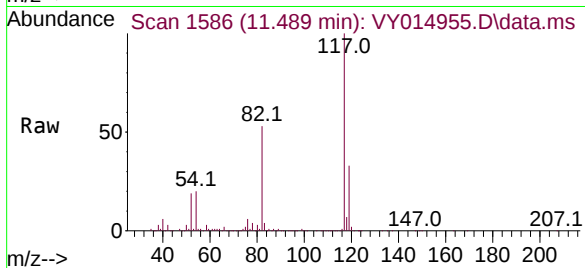
Tgt Ion:117 Resp: 394981

Ion Ratio Lower Upper

117 100

82 52.9 43.4 65.0

119 32.6 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: VY014955.D

Acq: 03 Aug 2023 17:49

Tgt Ion:152 Resp: 193432

Ion Ratio Lower Upper

152 100

115 59.3 28.8 86.5

150 158.6 0.0 348.8

