

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010165.D
 Acq On : 23 Aug 2022 15:12
 Operator : KP/MD
 Sample : N4205-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-2

Quant Time: Aug 24 04:33:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

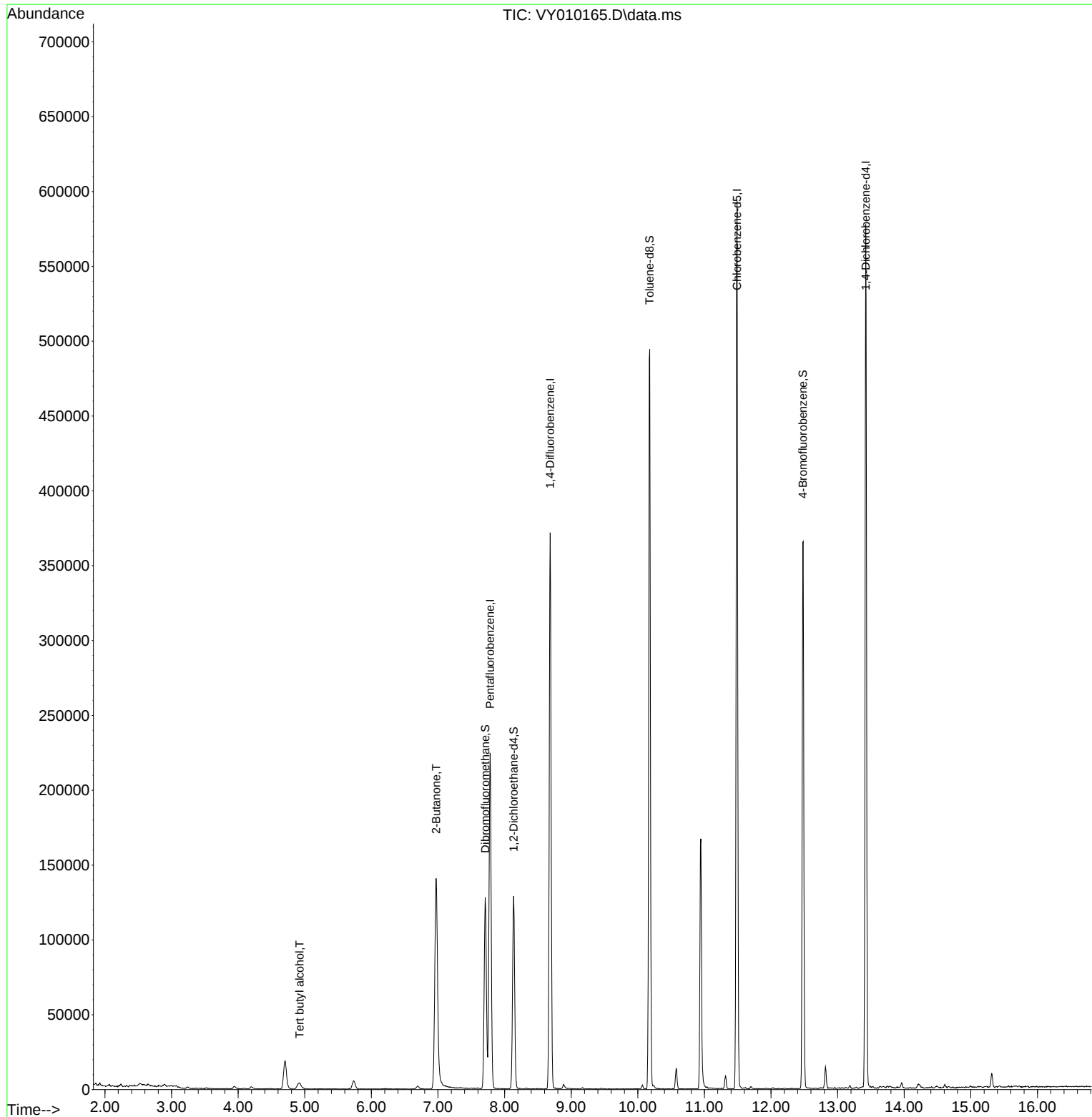
Internal Standards						
1) Pentafluorobenzene	7.783	168	181226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	332753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	95399	64.267	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.540%
35) Dibromofluoromethane	7.710	113	91835	49.715	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.440%
50) Toluene-d8	10.179	98	337782	48.801	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.600%
62) 4-Bromofluorobenzene	12.477	95	113459	45.878	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.760%
Target Compounds						
11) Tert butyl alcohol	4.924	59	5067	42.005	ug/l #	73
25) 2-Butanone	6.972	43	6542	10.947	ug/l #	76

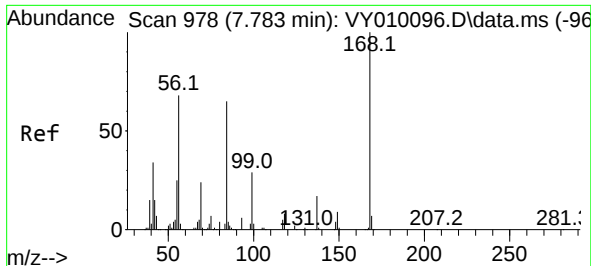
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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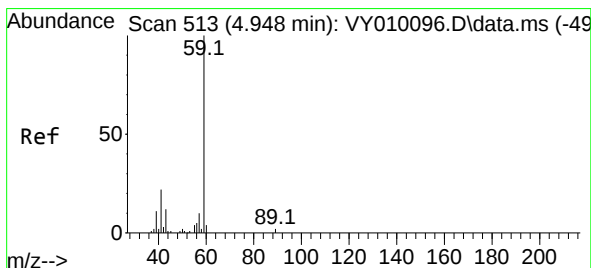
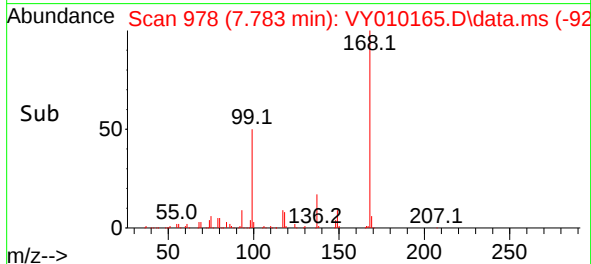
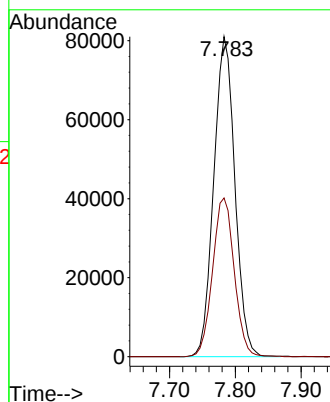
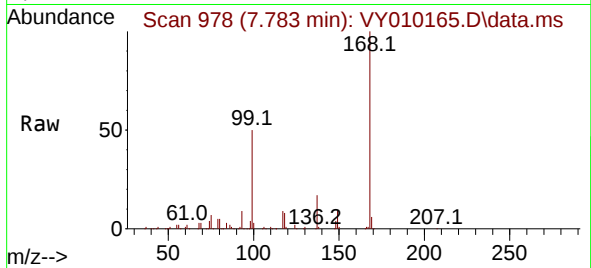




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

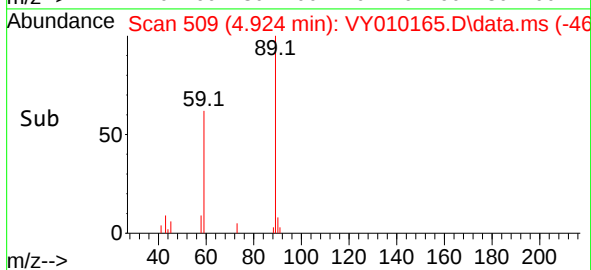
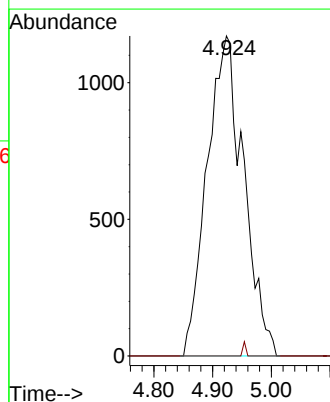
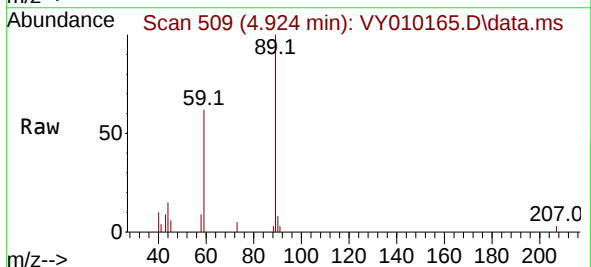
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

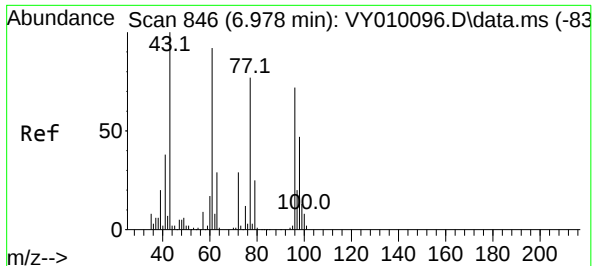
Tgt Ion:168 Resp: 181226
Ion Ratio Lower Upper
168 100
99 49.6 40.7 61.1



#11
Tert butyl alcohol
Concen: 42.005 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion: 59 Resp: 5067
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#25

2-Butanone

Concen: 10.947 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010165.D

Acq: 23 Aug 2022 15:12

Instrument :

MSVOA_Y

ClientSampleId :

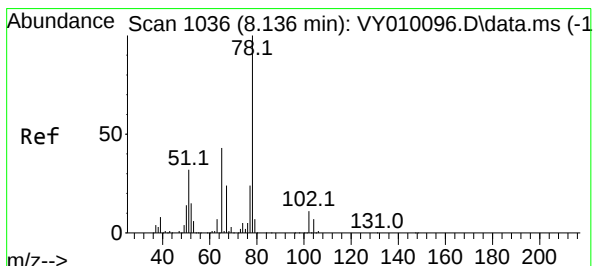
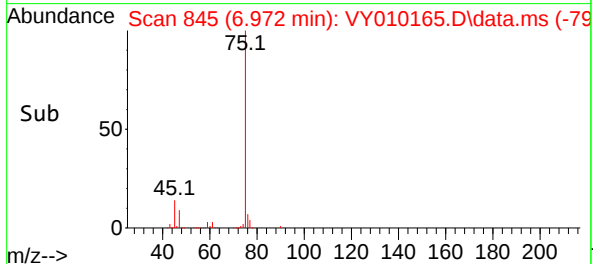
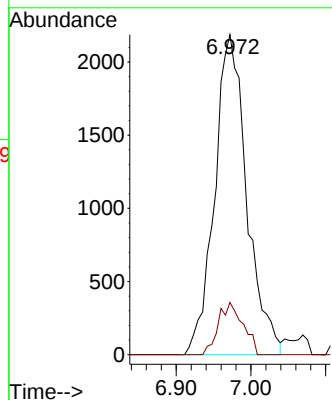
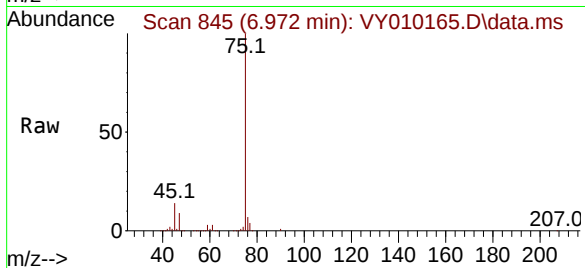
SS-2

Tgt Ion: 43 Resp: 6542

Ion Ratio Lower Upper

43 100

72 16.3 23.2 34.8#



#33

1,2-Dichloroethane-d4

Concen: 64.267 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010165.D

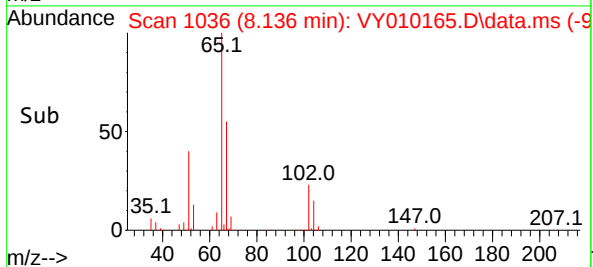
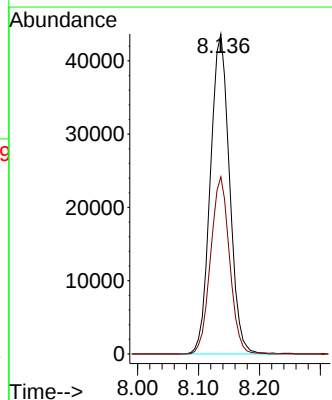
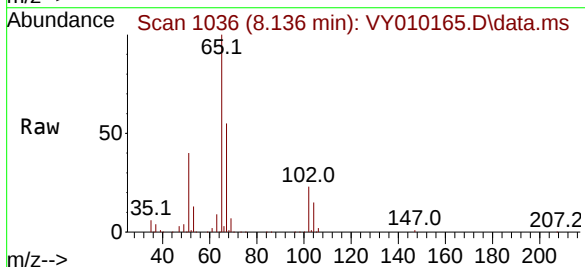
Acq: 23 Aug 2022 15:12

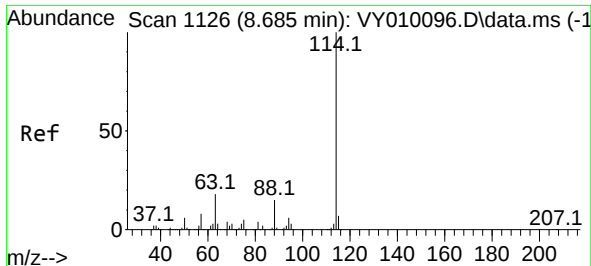
Tgt Ion: 65 Resp: 95399

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010165.D

Acq: 23 Aug 2022 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SS-2

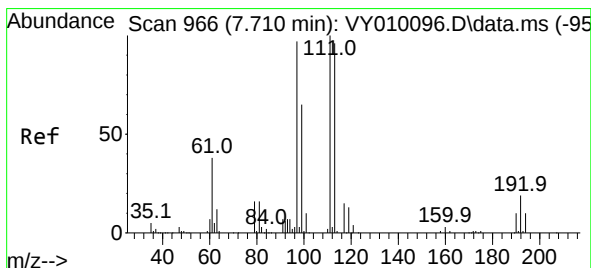
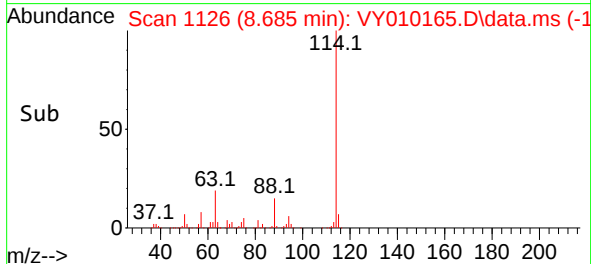
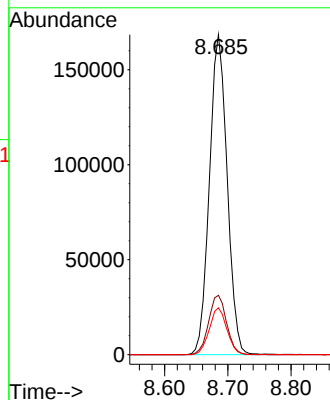
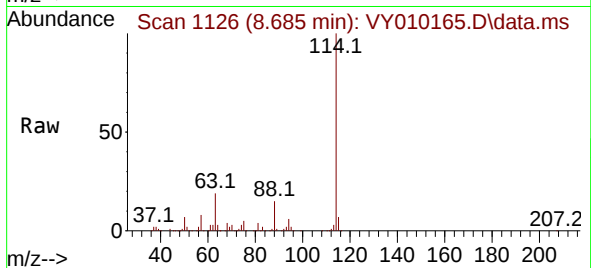
Tgt Ion:114 Resp: 327822

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.6

88 14.7 0.0 29.6



#35

Dibromofluoromethane

Concen: 49.715 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010165.D

Acq: 23 Aug 2022 15:12

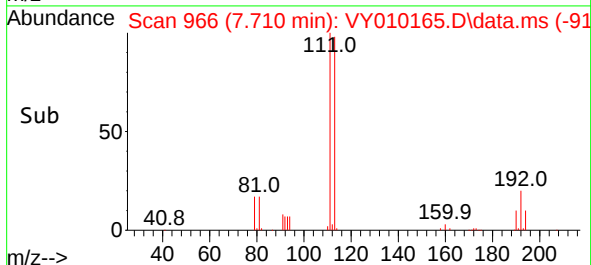
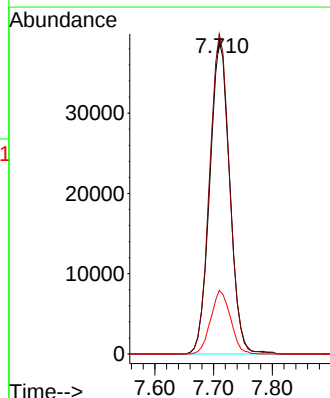
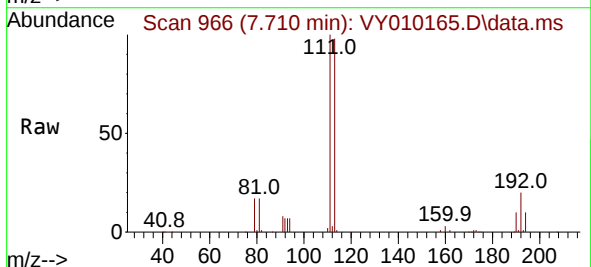
Tgt Ion:113 Resp: 91835

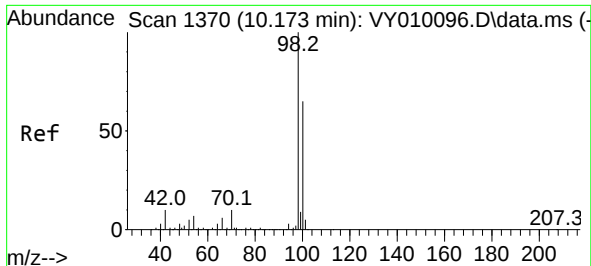
Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 20.1 16.3 24.5

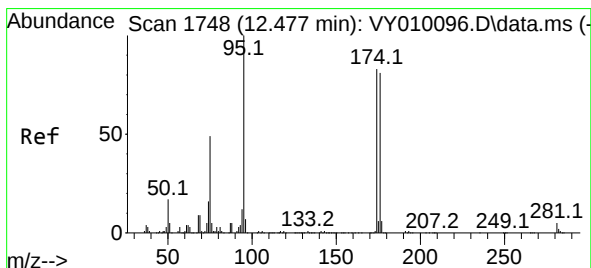
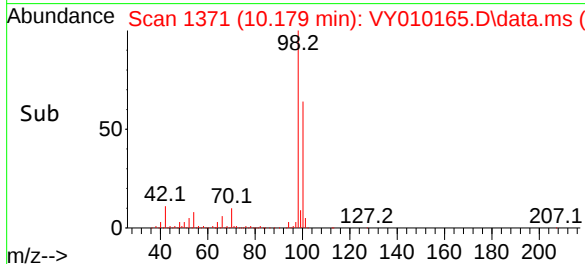
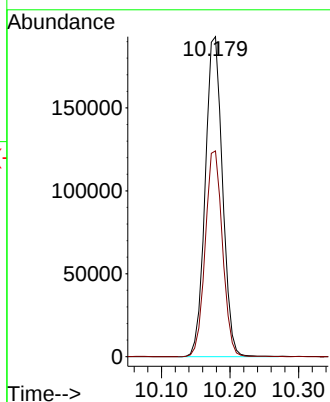
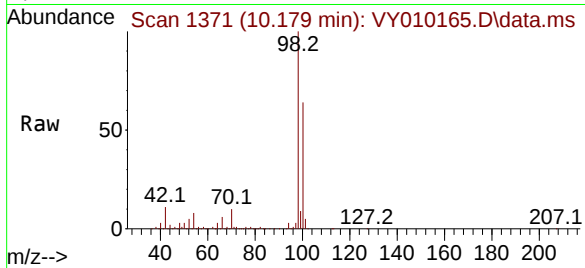




#50
Toluene-d8
Concen: 48.801 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

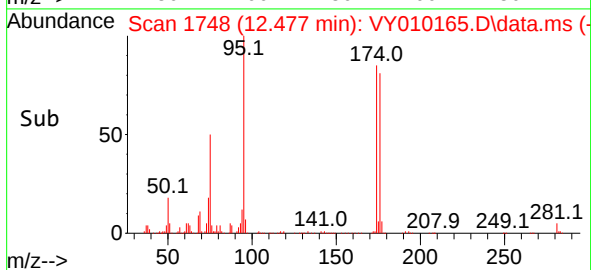
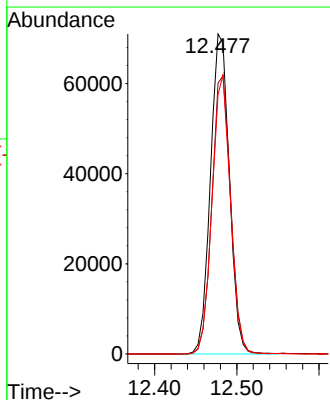
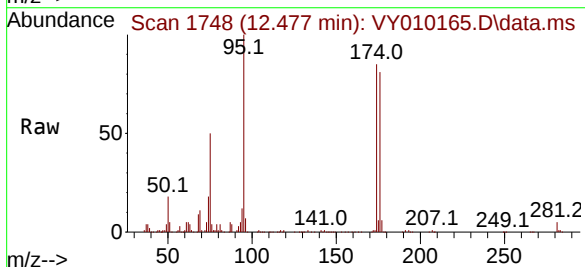
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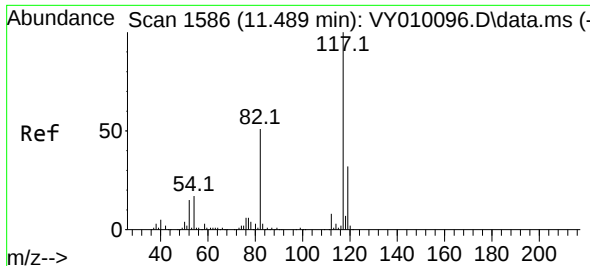
Tgt Ion: 98 Resp: 337782
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.878 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion: 95 Resp: 113459
Ion Ratio Lower Upper
95 100
174 86.6 0.0 173.8
176 84.4 0.0 167.2

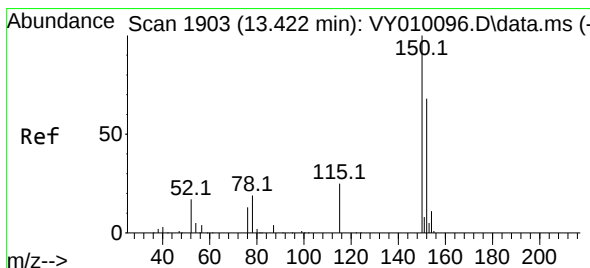
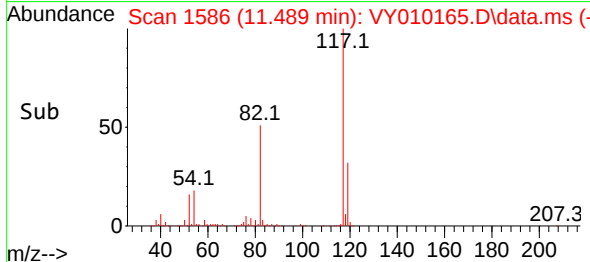
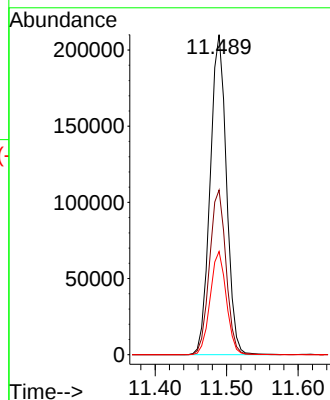
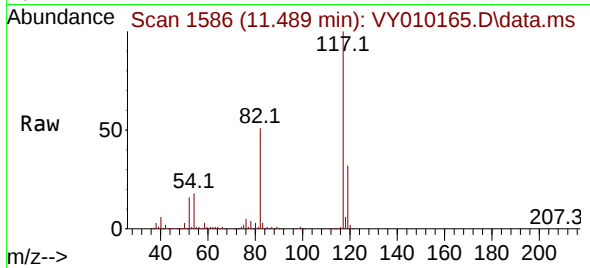




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Instrument :
MSVOA_Y
ClientSampleId :
SS-2

Tgt Ion:117 Resp: 332753
Ion Ratio Lower Upper
117 100
82 51.5 40.6 61.0
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion:152 Resp: 154225
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.2
150 155.7 0.0 346.2

