

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
 Data File : VY009276.D
 Acq On : 22 Jun 2022 16:56
 Operator : KP/MD
 Sample : N3430-01
 Misc : 3.54/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-0-2-20220621

Quant Time: Jun 23 01:56:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

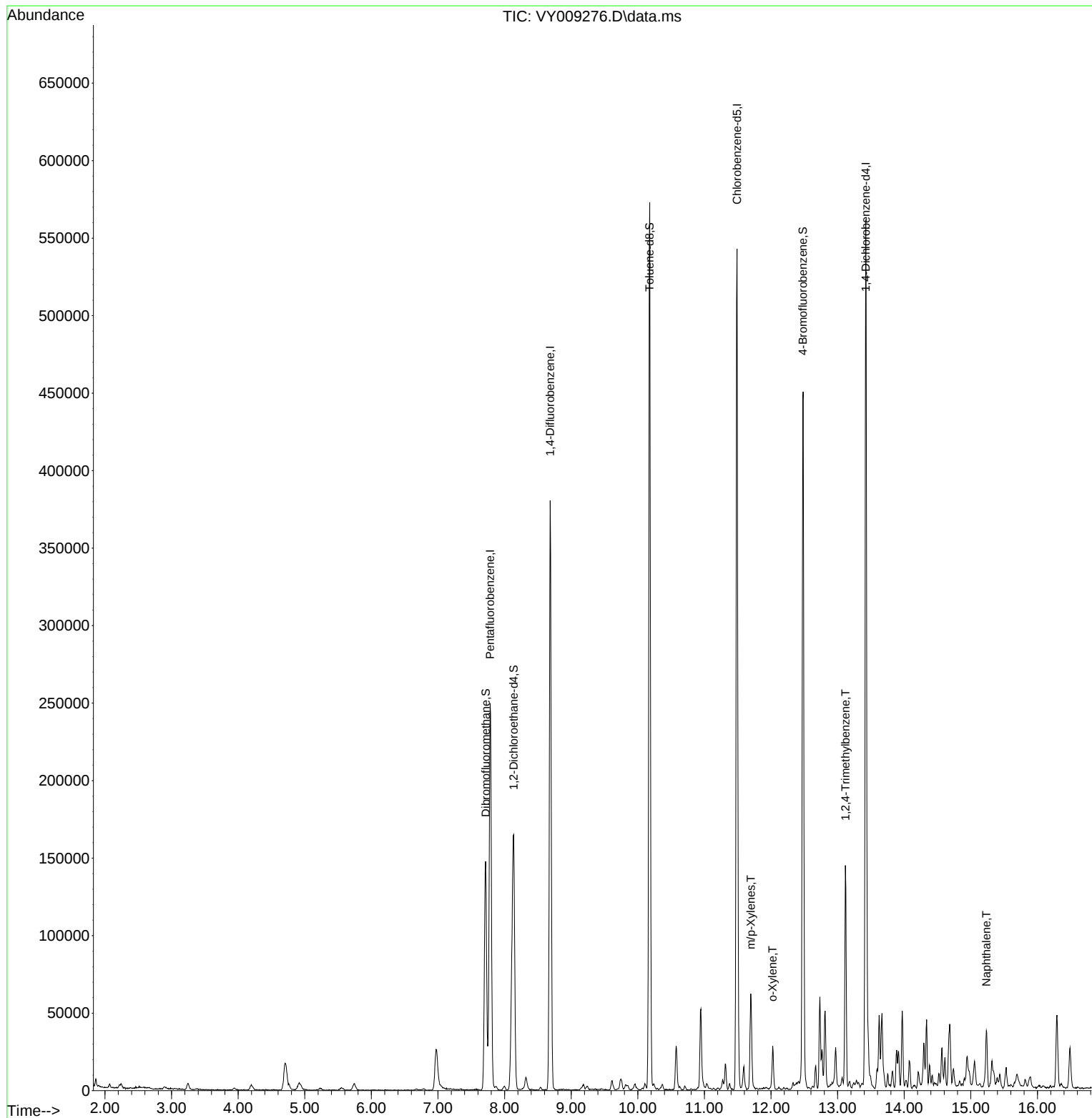
Internal Standards						
1) Pentafluorobenzene	7.783	168	209967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	306634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104463	45.301	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.600%
35) Dibromofluoromethane	7.716	113	101508	47.618	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.240%
50) Toluene-d8	10.179	98	369556	45.128	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.260%
62) 4-Bromofluorobenzene	12.477	95	133477	46.386	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.780%
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.697	106	18484	3.935	ug/l	89
69) o-Xylene	12.026	106	7172	1.605	ug/l	87
84) 1,2,4-Trimethylbenzene	13.117	105	75337	7.847	ug/l	95
95) Naphthalene	15.233	128	30570	5.004	ug/l	99

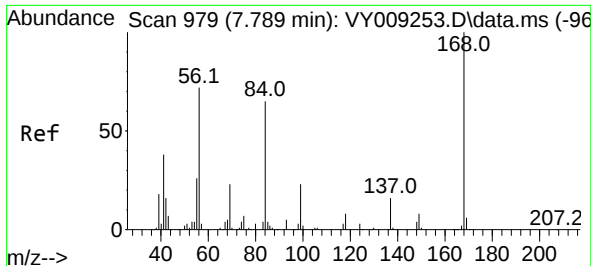
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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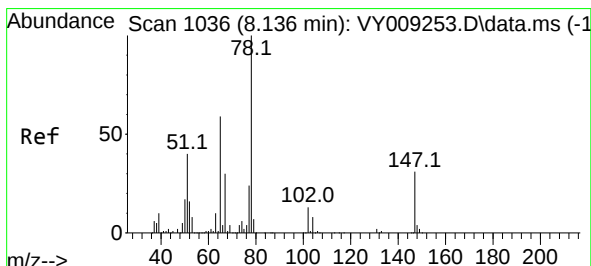
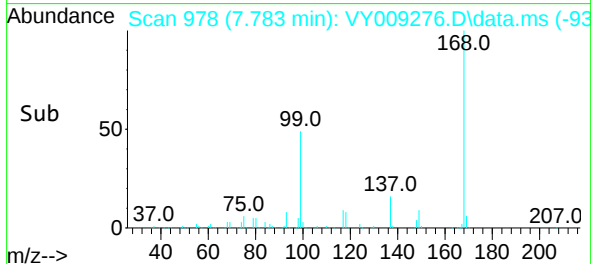
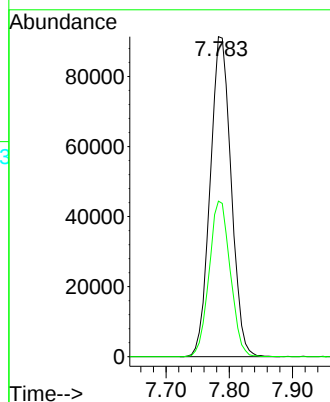
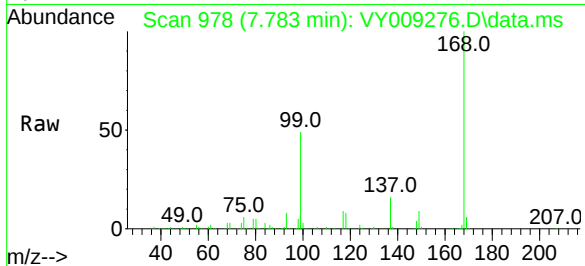




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

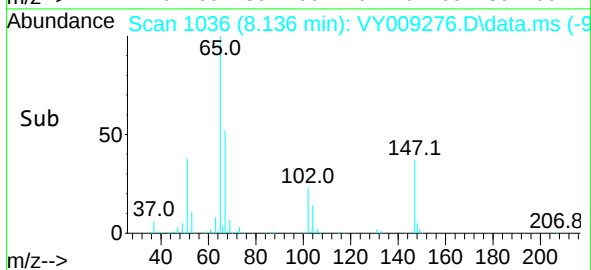
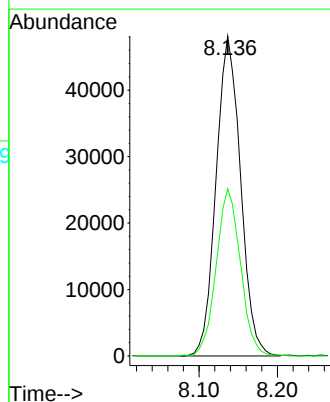
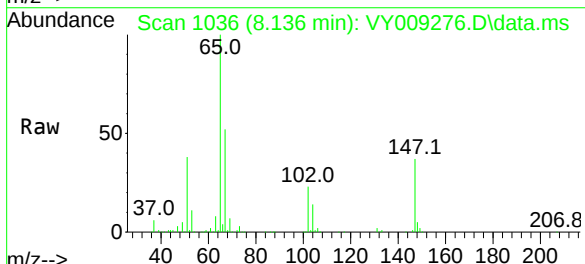
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

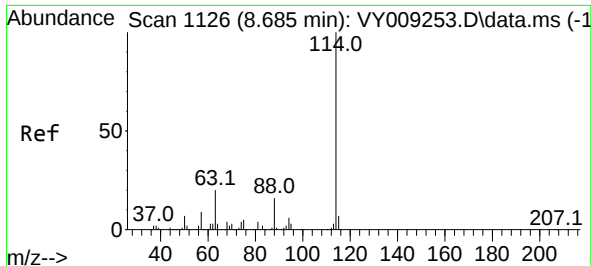
Tgt Ion:168 Resp: 209967
Ion Ratio Lower Upper
168 100
99 48.6 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 45.301 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion: 65 Resp: 104463
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4

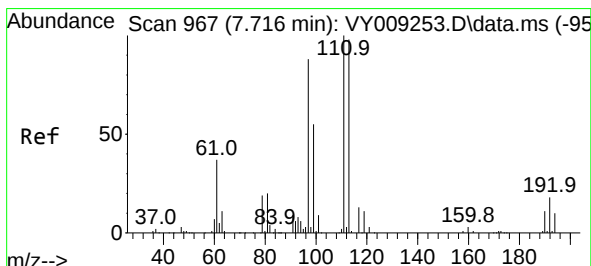
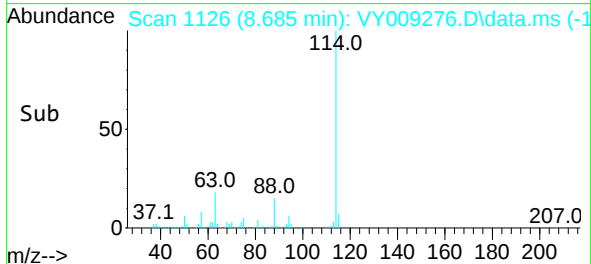
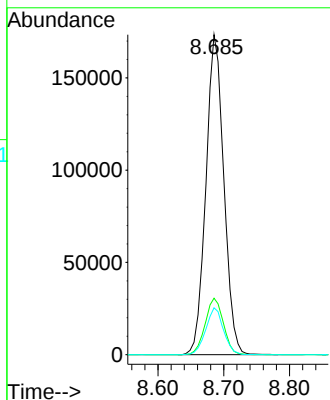
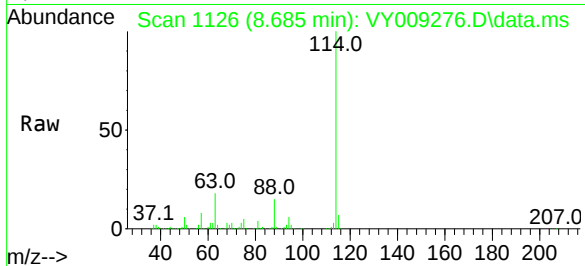




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

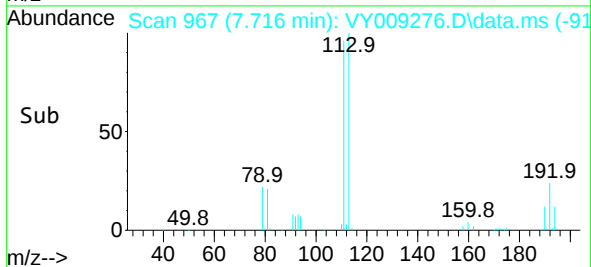
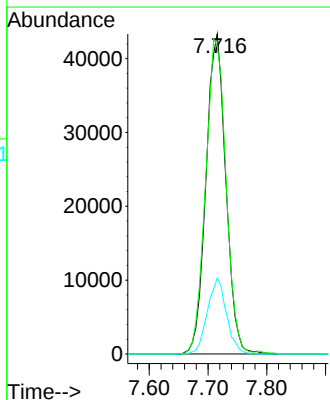
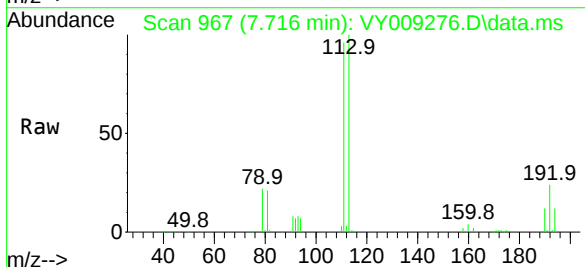
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

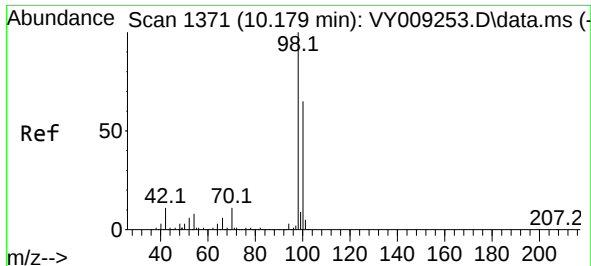
Tgt Ion:114 Resp: 329163
Ion Ratio Lower Upper
114 100
63 17.7 0.0 43.2
88 14.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.618 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion:113 Resp: 101508
Ion Ratio Lower Upper
113 100
111 101.5 82.6 124.0
192 22.7 17.6 26.4

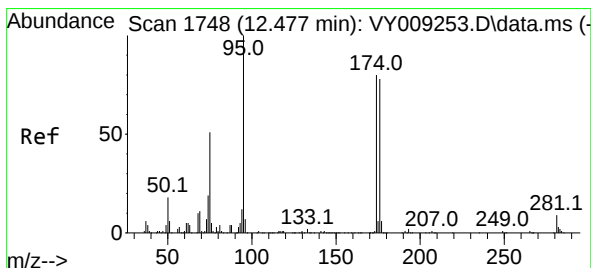
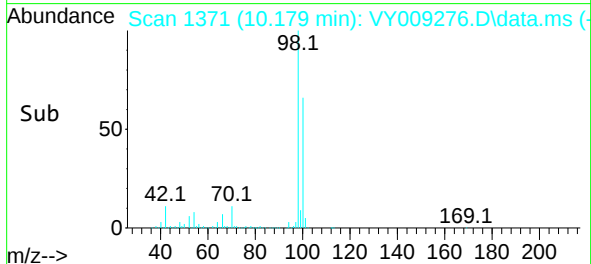
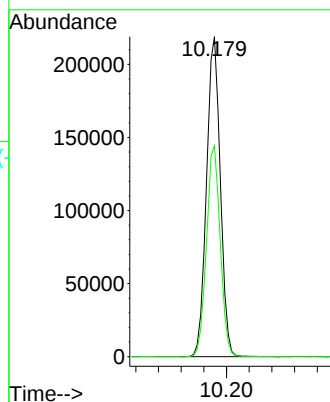
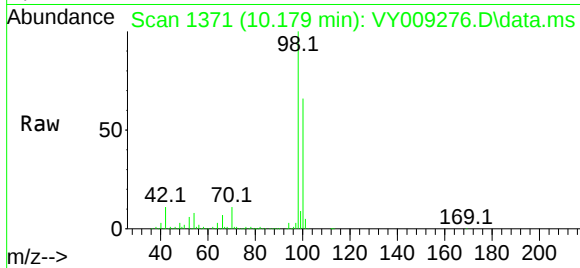




#50
Toluene-d8
Concen: 45.128 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

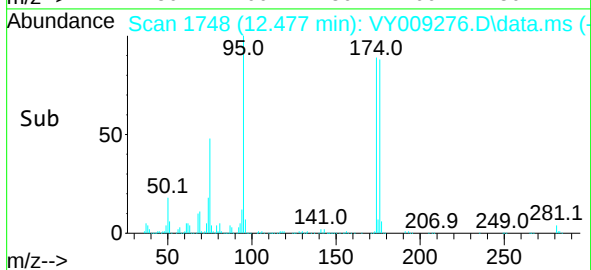
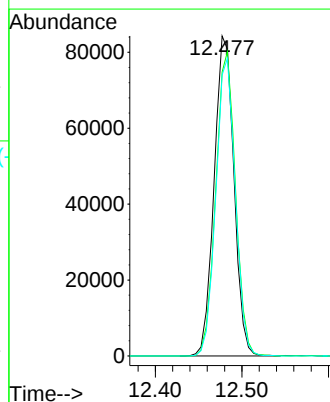
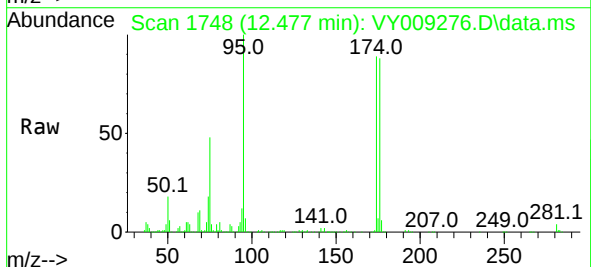
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

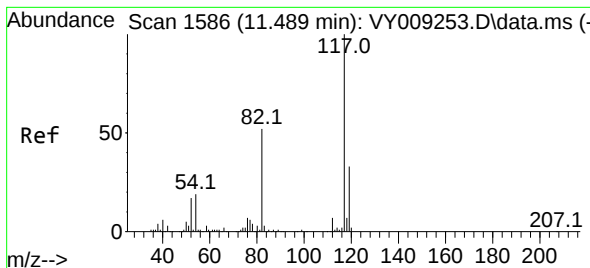
Tgt Ion: 98 Resp: 369556
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.386 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion: 95 Resp: 133477
Ion Ratio Lower Upper
95 100
174 94.6 0.0 177.0
176 91.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009276.D

Acq: 22 Jun 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-0-2-20220621

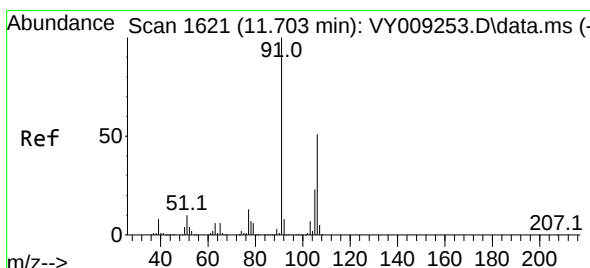
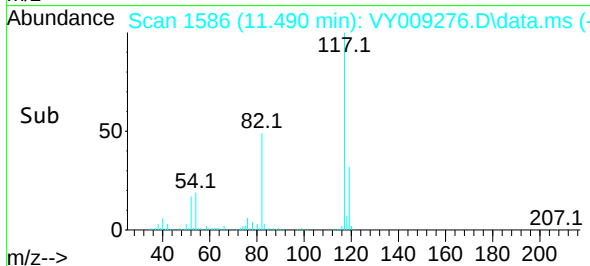
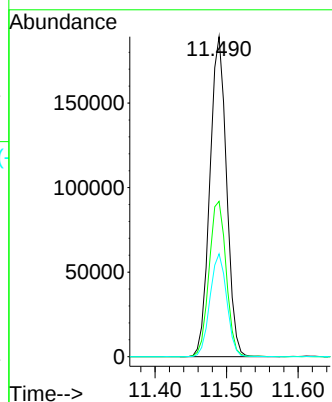
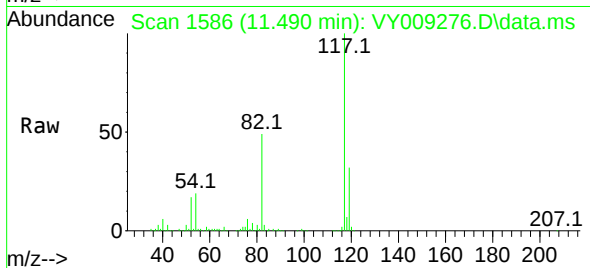
Tgt Ion:117 Resp: 306634

Ion Ratio Lower Upper

117 100

82 48.6 43.0 64.4

119 32.2 25.4 38.0



#68

m/p-Xylenes

Concen: 3.935 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY009276.D

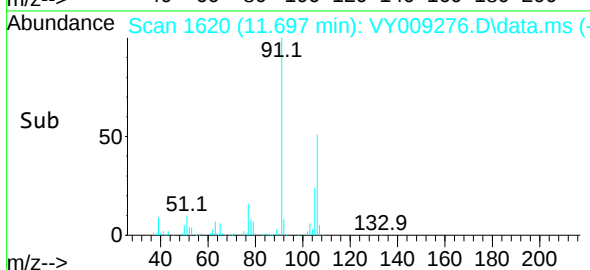
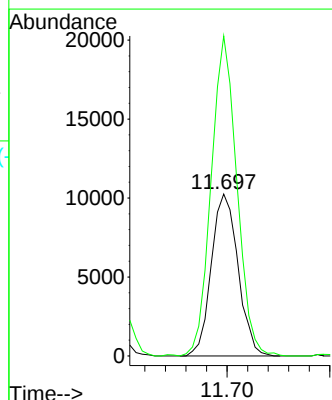
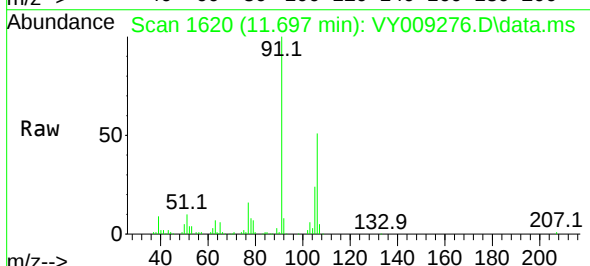
Acq: 22 Jun 2022 16:56

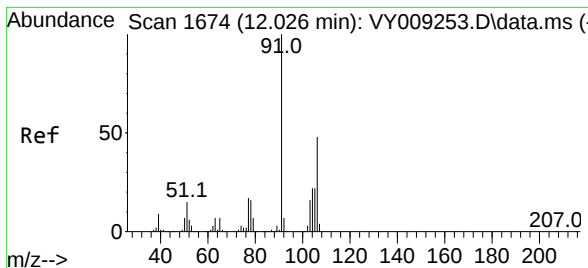
Tgt Ion:106 Resp: 18484

Ion Ratio Lower Upper

106 100

91 190.5 166.6 249.8





#69

o-Xylene

Concen: 1.605 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009276.D

Acq: 22 Jun 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

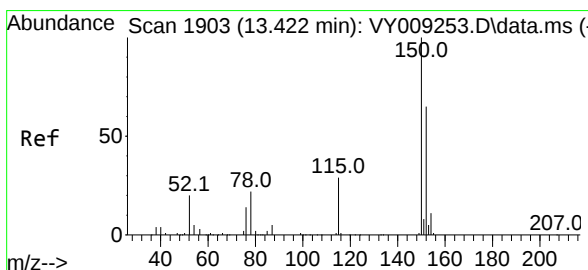
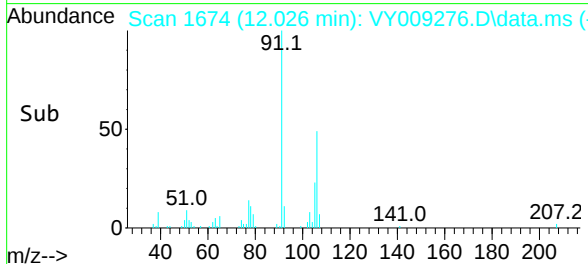
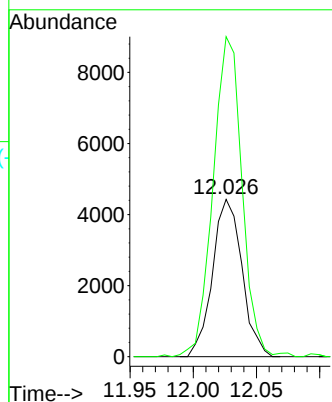
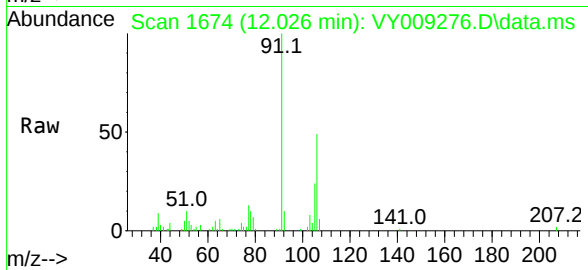
SB-4-0-2-20220621

Tgt Ion:106 Resp: 7172

Ion Ratio Lower Upper

106 100

91 200.3 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009276.D

Acq: 22 Jun 2022 16:56

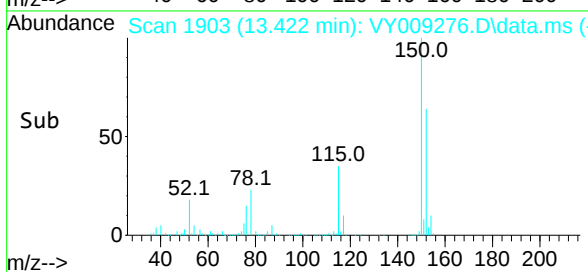
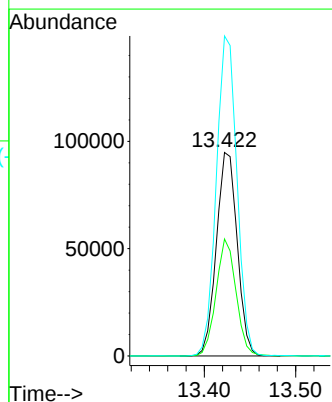
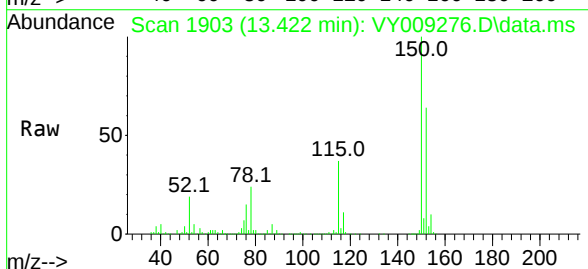
Tgt Ion:152 Resp: 150416

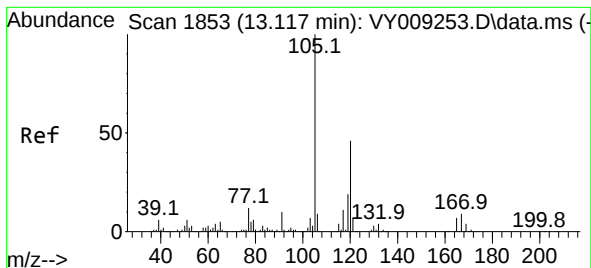
Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 155.9 0.0 347.6





#84

1,2,4-Trimethylbenzene

Concen: 7.847 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009276.D

Acq: 22 Jun 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

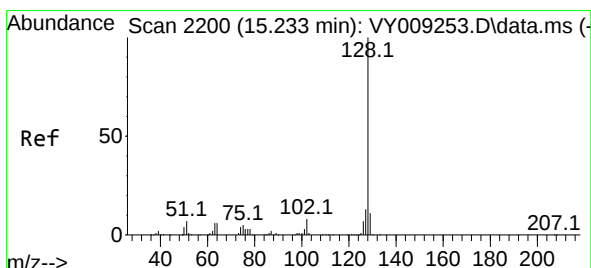
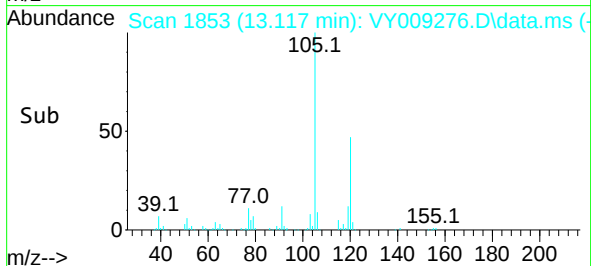
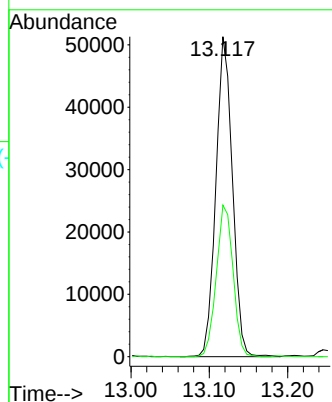
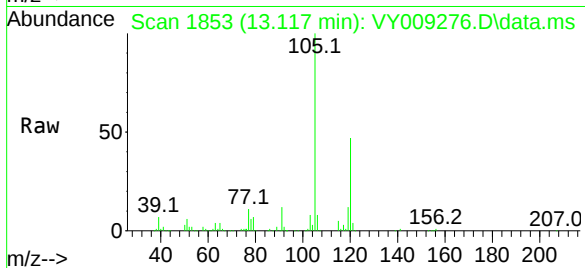
SB-4-0-2-20220621

Tgt Ion:105 Resp: 75337

Ion Ratio Lower Upper

105 100

120 47.9 22.3 66.9



#95

Naphthalene

Concen: 5.004 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY009276.D

Acq: 22 Jun 2022 16:56

Tgt Ion:128 Resp: 30570

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.4

129 10.6 8.4 12.6

