

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010312.D
 Acq On : 03 Sep 2022 05:43
 Operator : KP/MD
 Sample : N4487-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 H-1

Quant Time: Sep 03 06:14:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

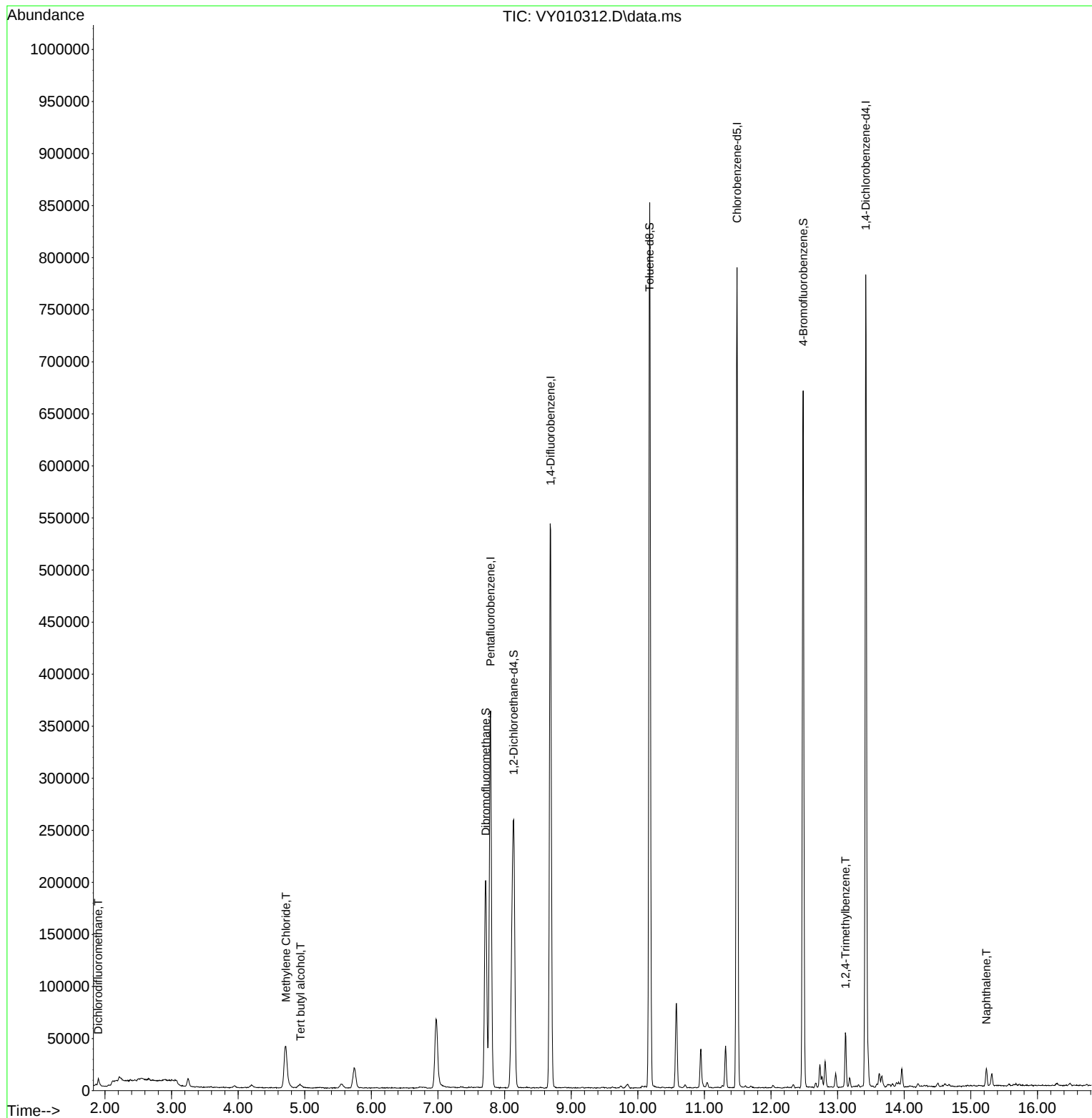
Internal Standards						
1) Pentafluorobenzene	7.789	168	288814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	478651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	439395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	201011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	155480	52.501	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.000%	
35) Dibromofluoromethane	7.716	113	143751	45.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.220%	
50) Toluene-d8	10.179	98	560963	52.582	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.160%	
62) 4-Bromofluorobenzene	12.483	95	196582	45.435	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	5300	2.299	ug/l	93
11) Tert butyl alcohol	4.936	59	4010	11.318	ug/l #	87
20) Methylene Chloride	4.716	84	30972	8.669	ug/l	86
84) 1,2,4-Trimethylbenzene	13.117	105	27670	2.097	ug/l	99
95) Naphthalene	15.233	128	13970	1.723	ug/l	98

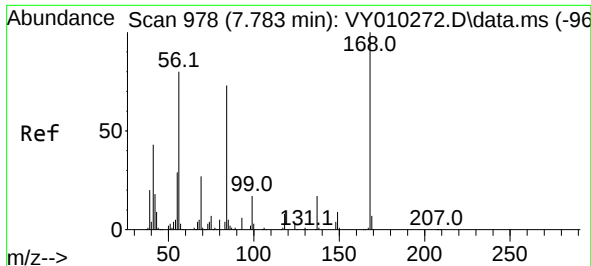
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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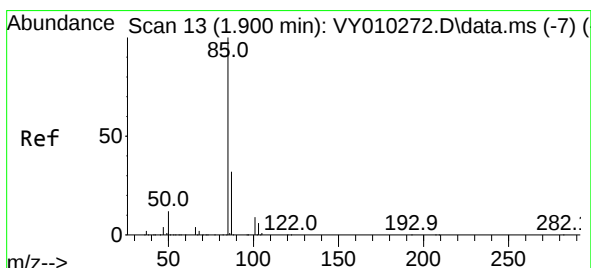
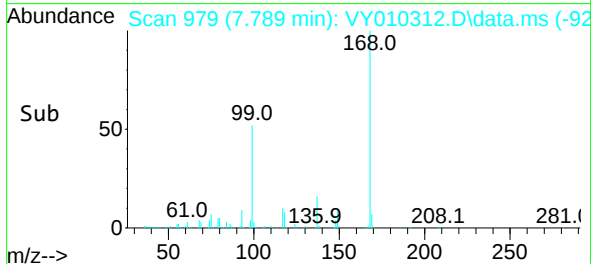
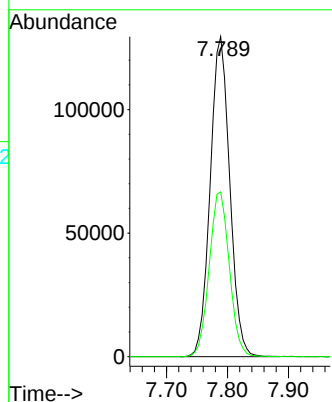
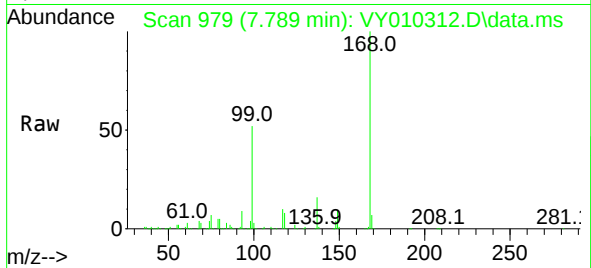




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

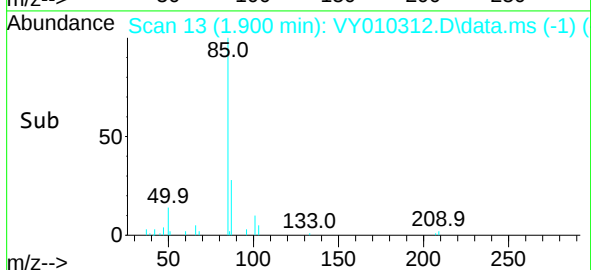
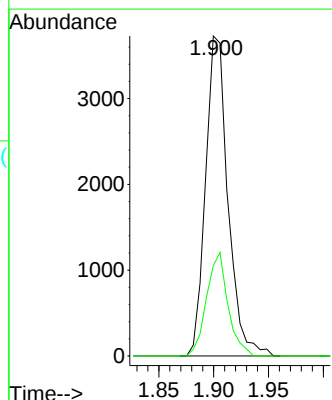
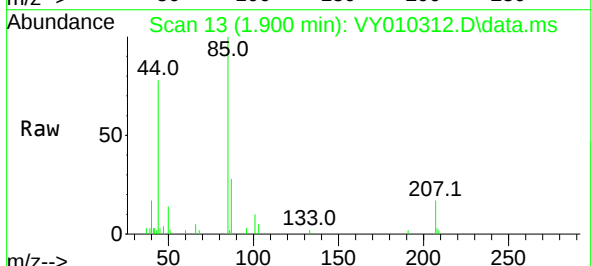
Instrument :
MSVOA_Y
ClientSampleId :
H-1

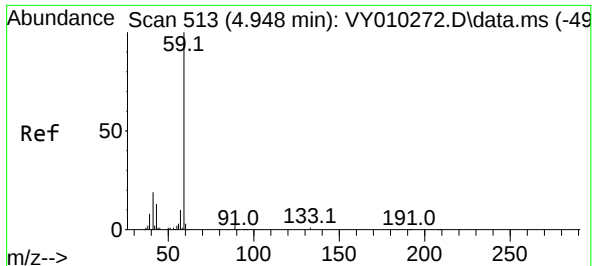
Tgt Ion:168 Resp: 288814
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 2.299 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 85 Resp: 5300
Ion Ratio Lower Upper
85 100
87 28.2 16.1 48.2

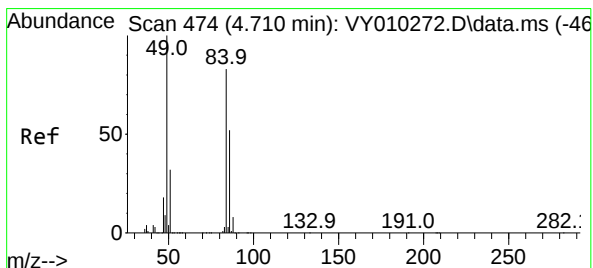
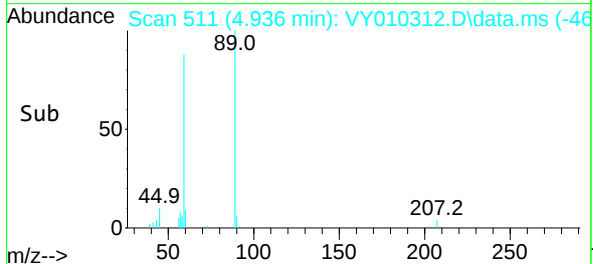
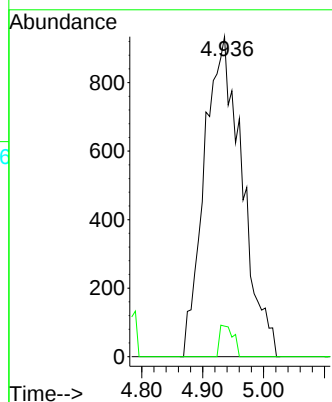
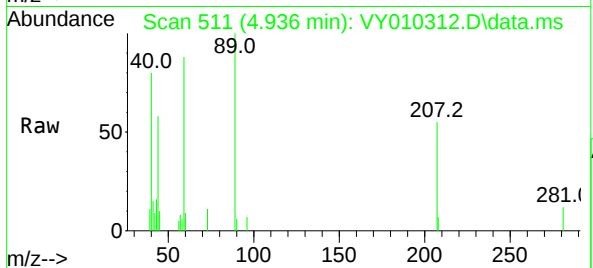




#11
Tert butyl alcohol
Concen: 11.318 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

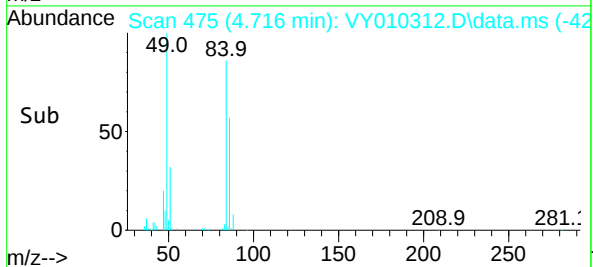
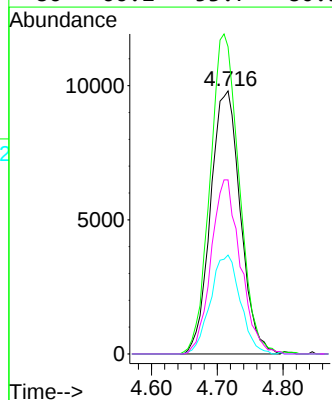
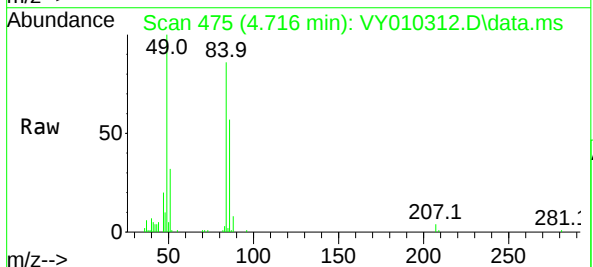
Instrument :
MSVOA_Y
ClientSampleId :
H-1

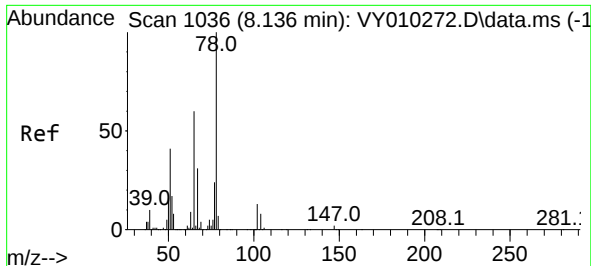
Tgt Ion: 59 Resp: 4010
Ion Ratio Lower Upper
59 100
57 3.6 6.4 9.6#



#20
Methylene Chloride
Concen: 8.669 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 84 Resp: 30972
Ion Ratio Lower Upper
84 100
49 116.8 114.4 171.6
51 37.6 35.3 52.9
86 66.2 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 52.501 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010312.D

Acq: 03 Sep 2022 05:43

Instrument :

MSVOA_Y

ClientSampleId :

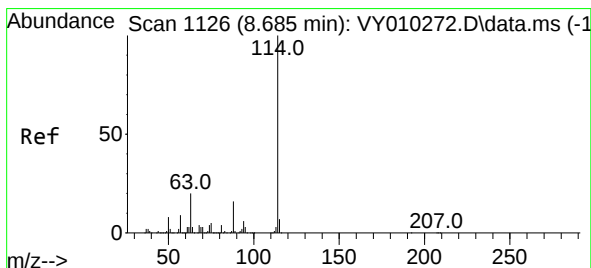
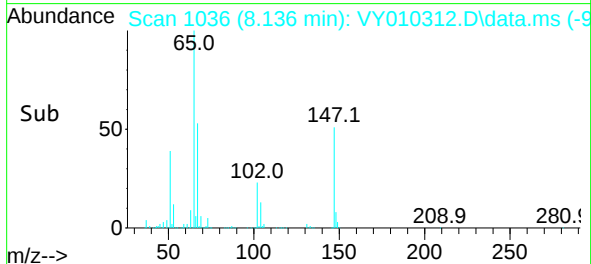
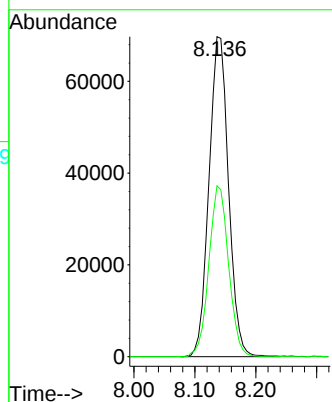
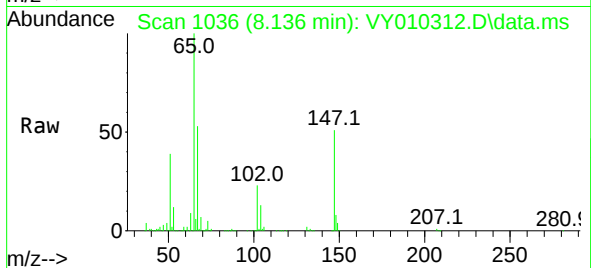
H-1

Tgt Ion: 65 Resp: 155480

Ion Ratio Lower Upper

65 100

67 53.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010312.D

Acq: 03 Sep 2022 05:43

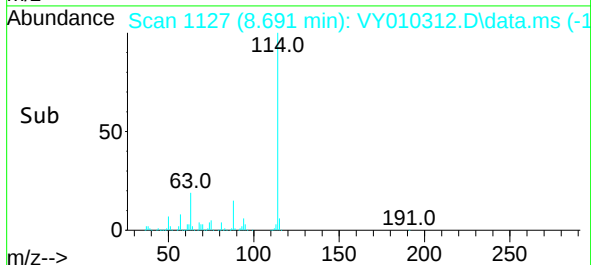
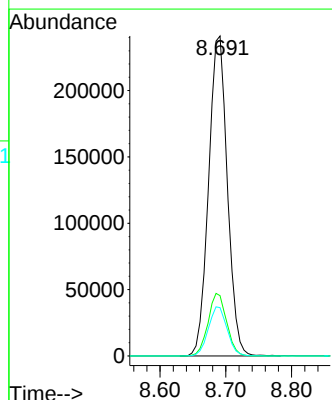
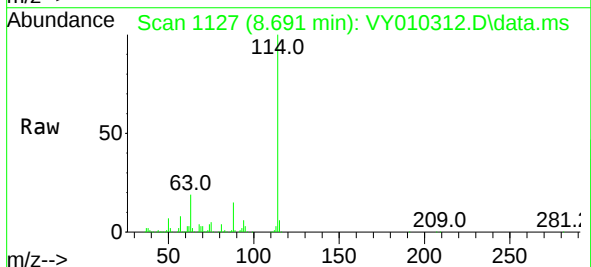
Tgt Ion: 114 Resp: 478651

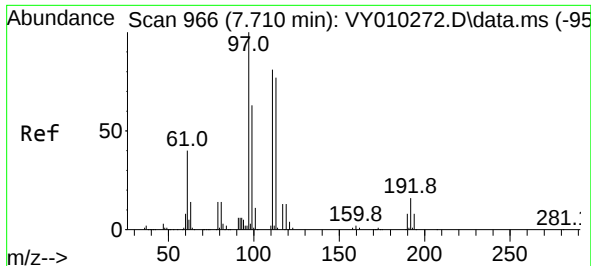
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.1 0.0 31.8

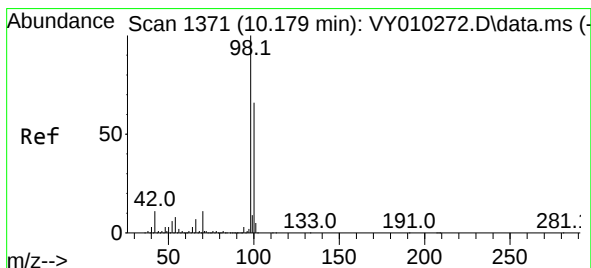
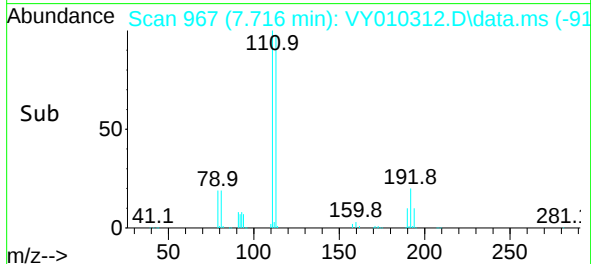
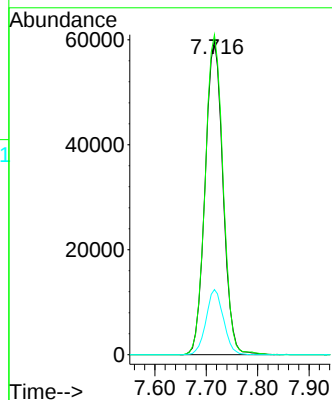
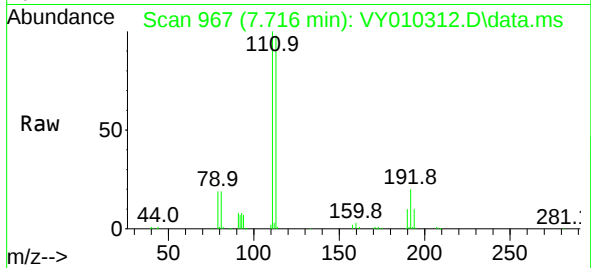




#35
Dibromofluoromethane
Concen: 45.113 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

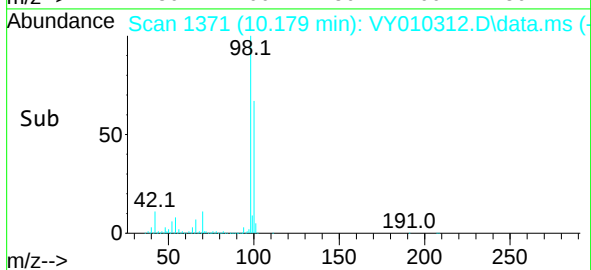
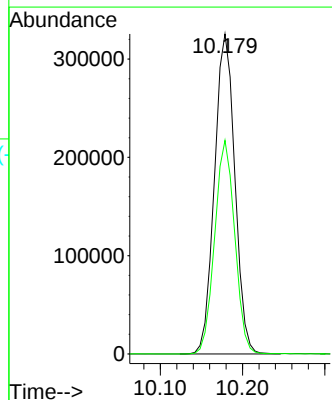
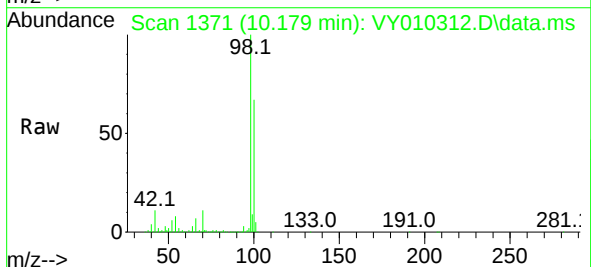
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MSVOA_Y
ClientSampleId :
H-1

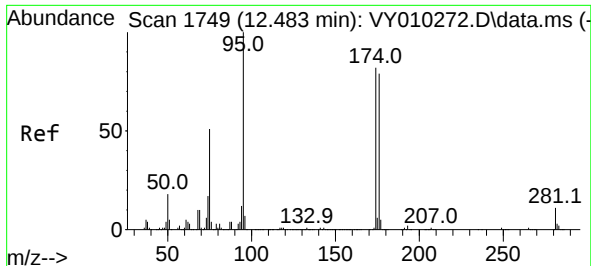
Tgt Ion:113 Resp: 143751
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 20.3 17.6 26.4



#50
Toluene-d8
Concen: 52.582 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 98 Resp: 560963
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

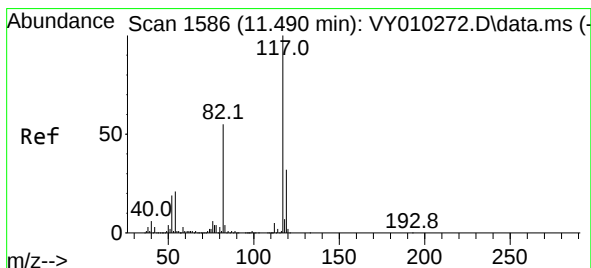
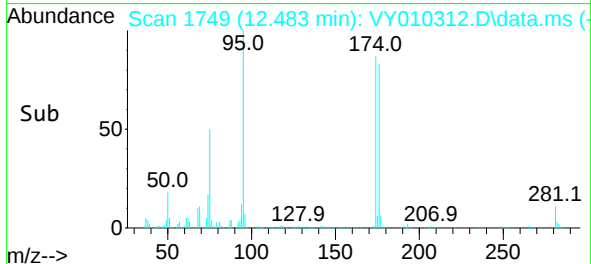
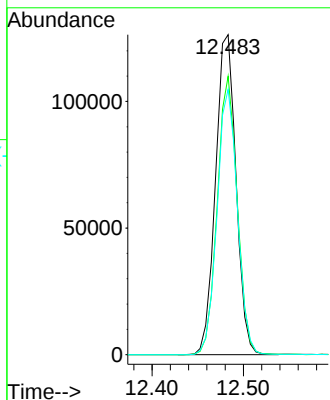
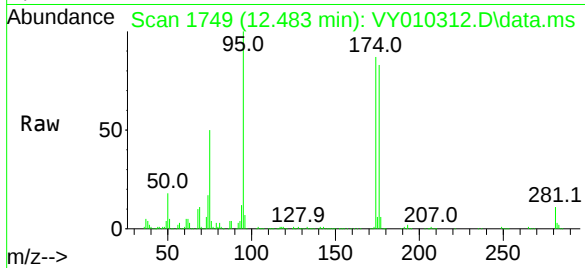




#62
4-Bromofluorobenzene
Concen: 45.435 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

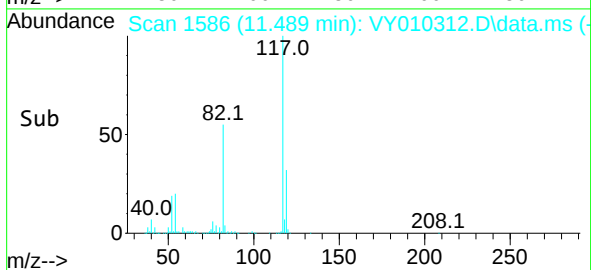
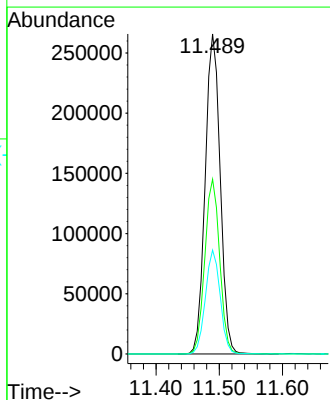
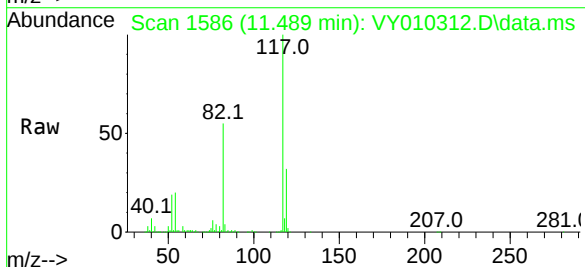
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H-1

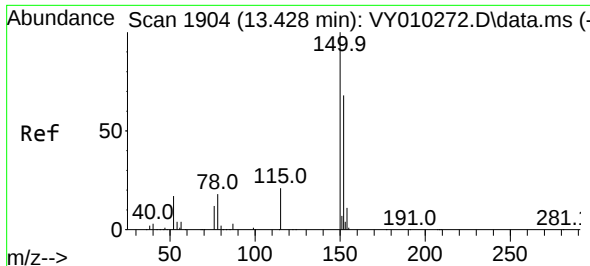
Tgt Ion: 95 Resp: 196582
Ion Ratio Lower Upper
95 100
174 84.9 0.0 177.0
176 82.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010312.D
Acq: 03 Sep 2022 05:43

Tgt Ion: 117 Resp: 439395
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.5 25.4 38.0

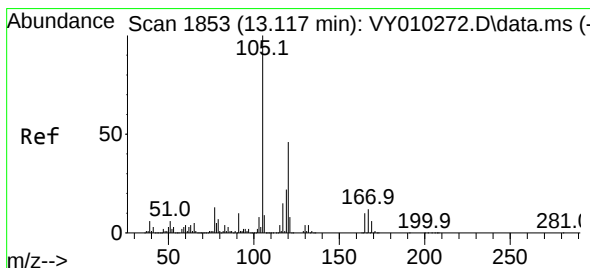
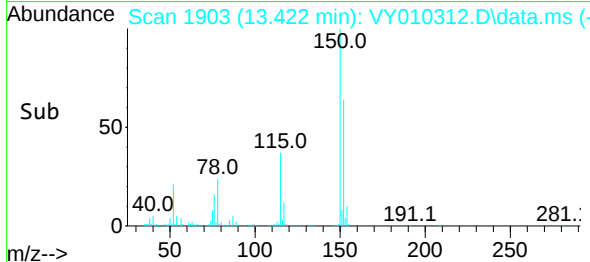
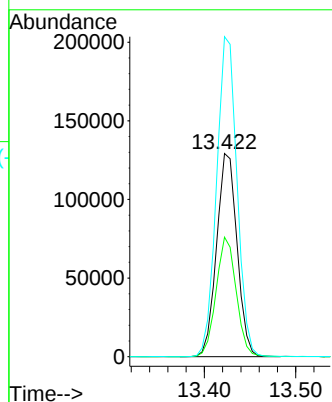
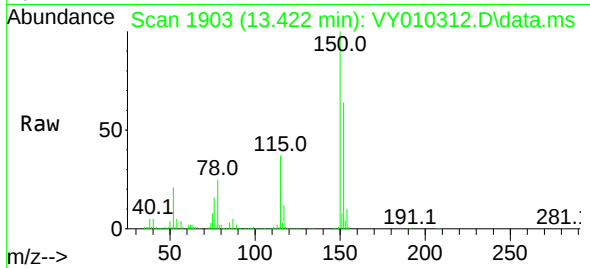




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY010312.D
 Acq: 03 Sep 2022 05:43

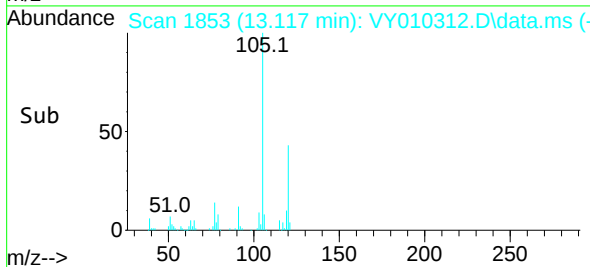
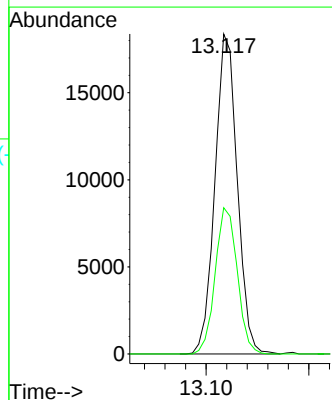
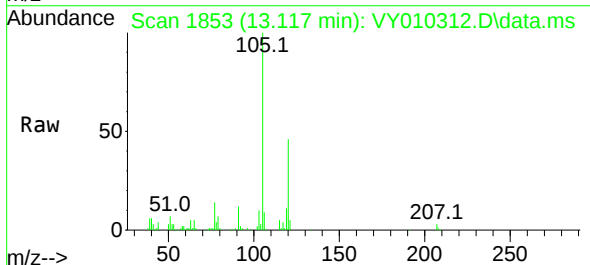
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 H-1

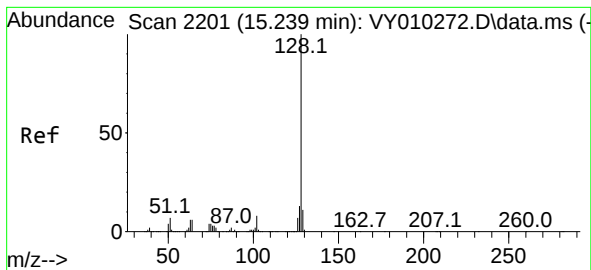
Tgt Ion:152 Resp: 201011
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.2 84.7
 150 157.6 0.0 347.6



#84
 1,2,4-Trimethylbenzene
 Concen: 2.097 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY010312.D
 Acq: 03 Sep 2022 05:43

Tgt Ion:105 Resp: 27670
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.9





#95

Naphthalene

Concen: 1.723 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY010312.D

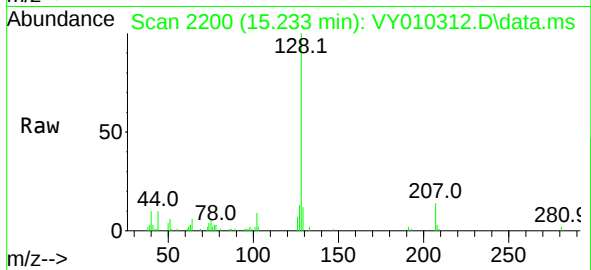
Acq: 03 Sep 2022 05:43

Instrument :

MSVOA_Y

ClientSampleId :

H-1



Tgt Ion:128 Resp: 13970

Ion Ratio Lower Upper

128 100

127 14.0 11.0 16.4

129 11.9 8.4 12.6

