

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071924\
 Data File : VY018878.D
 Acq On : 19 Jul 2024 13:40
 Operator : SY/MD
 Sample : P3294-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-1-071724RE

Quant Time: Jul 19 23:04:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

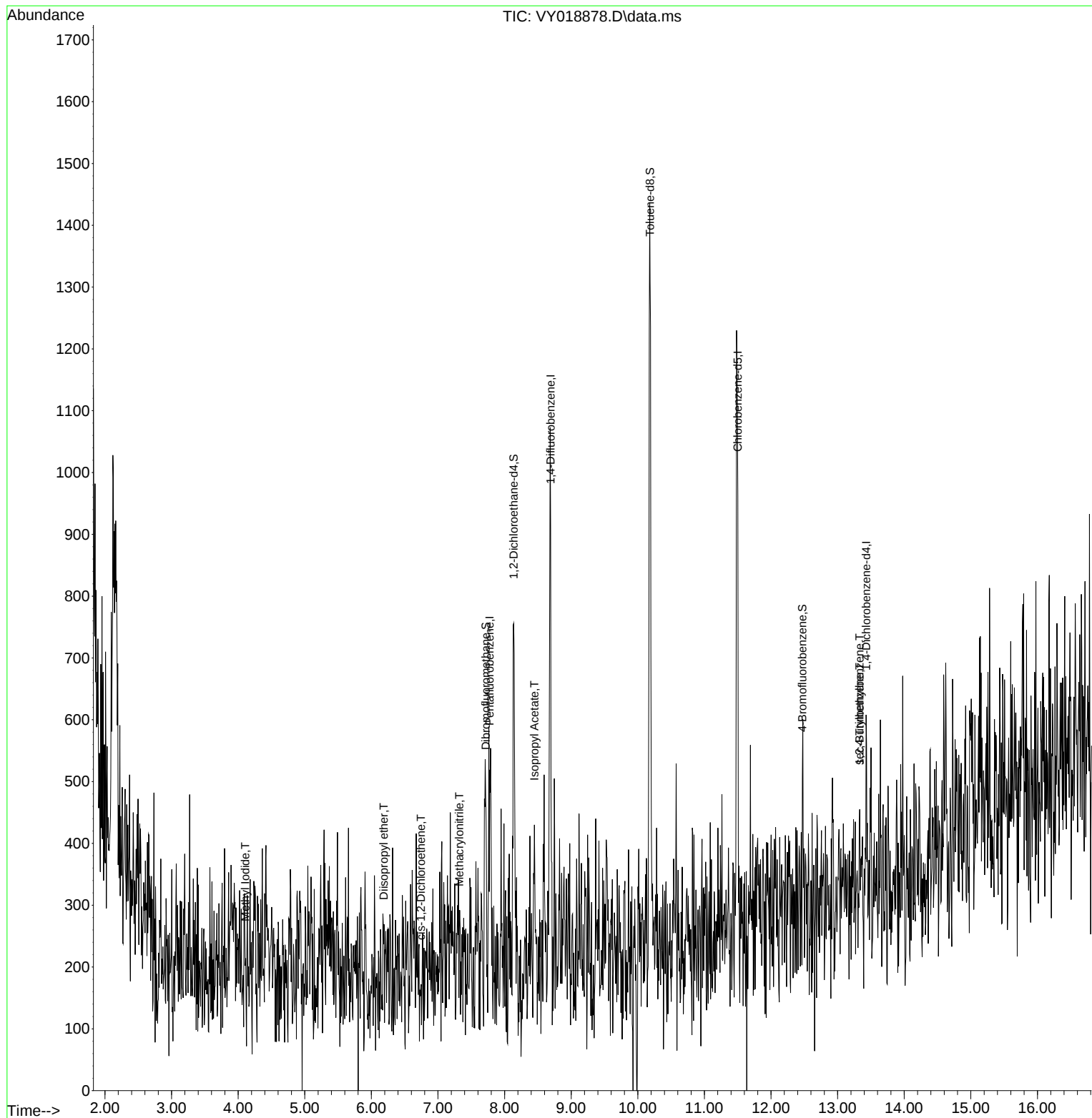
Internal Standards						
1) Pentafluorobenzene	7.777	168	452	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	911	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	695	50.000	ug/l	# 0.02
72) 1,4-Dichlorobenzene-d4	13.428	152	92	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	529	118.936	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 237.880%#	
35) Dibromofluoromethane	7.716	113	176	30.846	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 61.700%	
50) Toluene-d8	10.185	98	1085	50.192	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.380%	
62) 4-Bromofluorobenzene	12.471	95	97	13.140	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 26.280%#	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	82	16.869	ug/l	# 42
22) Diisopropyl ether	6.186	45	20	1.700	ug/l	# 37
27) cis-1,2-Dichloroethene	6.746	96	22	4.100	ug/l	# 1
41) Methacrylonitrile	7.320	41	19	10.182	ug/l	# 15
43) Isopropyl Acetate	8.447	43	56	8.599	ug/l	# 47
84) 1,2,4-Trimethylbenzene	13.331	105	25	4.567	ug/l	# 30
85) sec-Butylbenzene	13.331	105	25	3.463	ug/l	# 56

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

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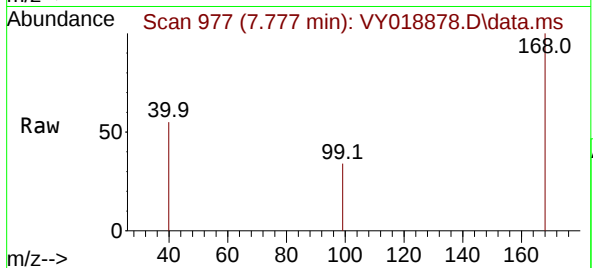
Quant Time: Jul 19 23:04:00 2024
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Quant Title : SW846 8260
QLast Update : Tue Jul 09 14:28:51 2024
Response via : Initial Calibration



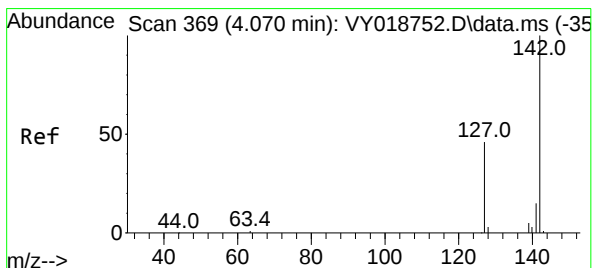
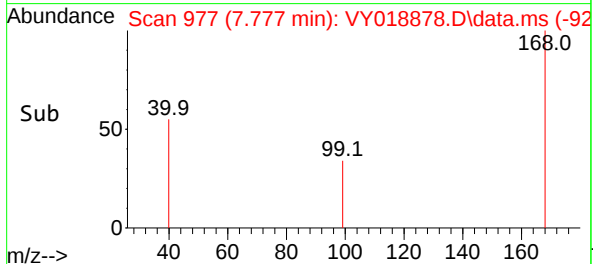
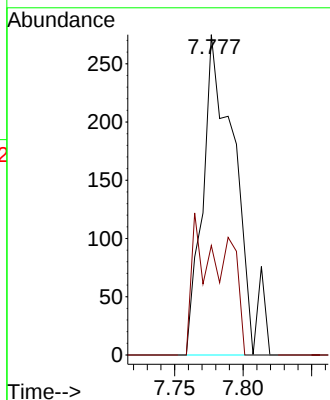


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018878.D
Acq: 19 Jul 2024 13:40

Instrument :
MSVOA_Y
ClientSampleId :
HR-1-071724RE

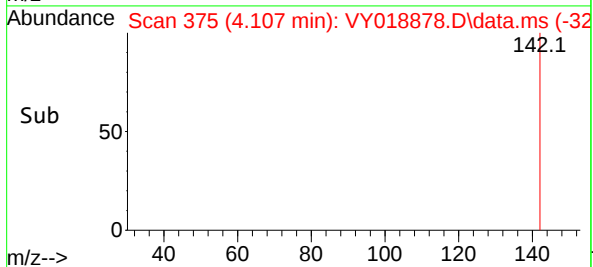
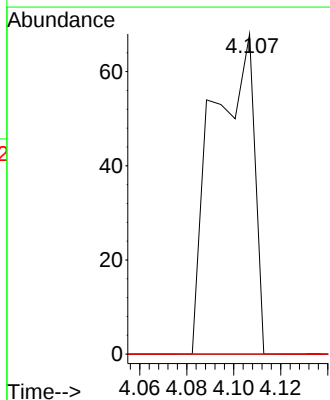
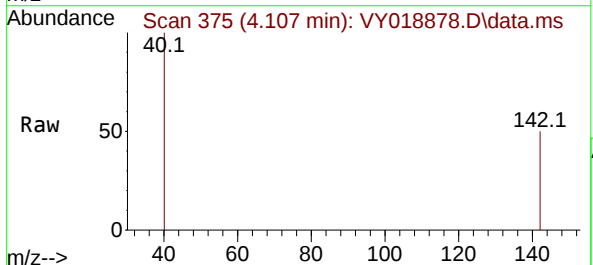


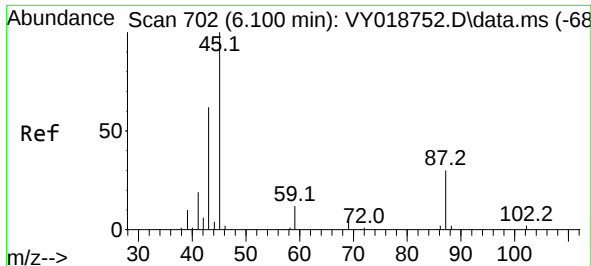
Tgt Ion:168 Resp: 452
Ion Ratio Lower Upper
168 100
99 34.2 39.1 58.7#



#10
Methyl Iodide
Concen: 16.869 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.037 min
Lab File: VY018878.D
Acq: 19 Jul 2024 13:40

Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#

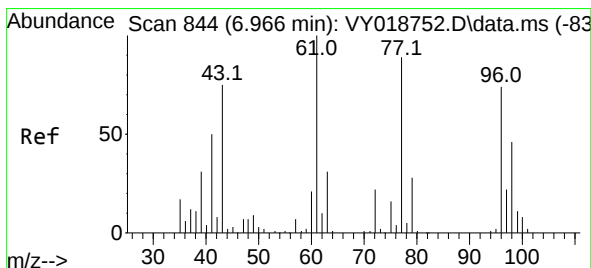
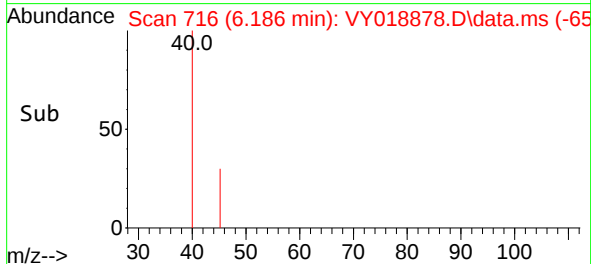
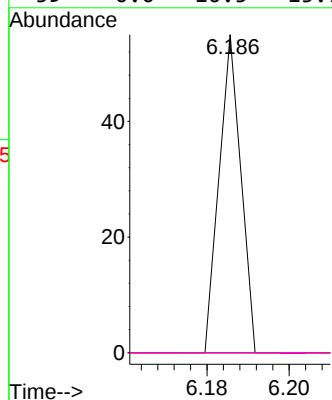
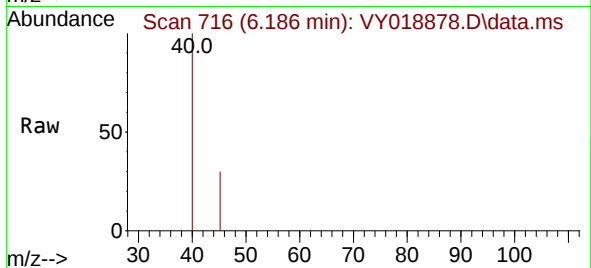




#22
Diisopropyl ether
Concen: 1.700 ug/l
RT: 6.186 min Scan# 716
Delta R.T. 0.085 min
Lab File: VY018878.D
Acq: 19 Jul 2024 13:40

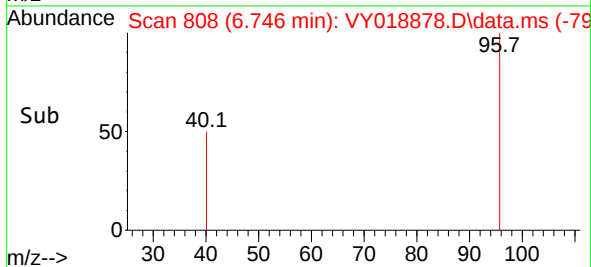
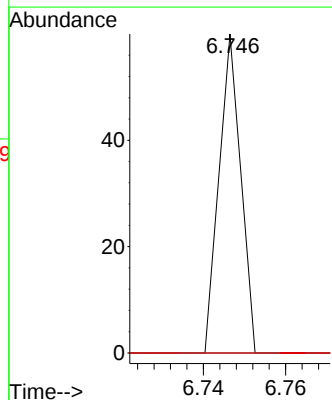
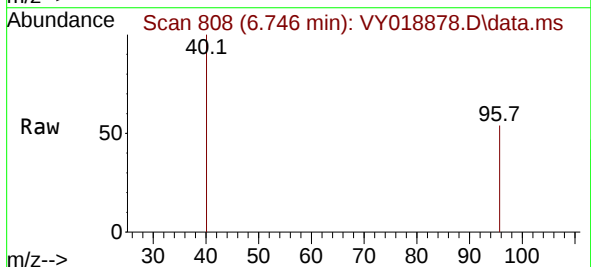
Instrument :
MSVOA_Y
ClientSampleId :
HR-1-071724RE

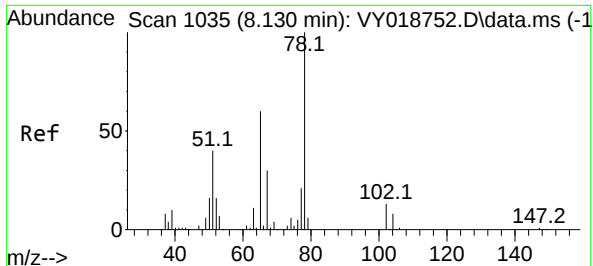
Tgt Ion: 45	Resp: 20
Ion Ratio	Lower Upper
45 100	
43 0.0	42.2 63.2#
87 0.0	25.0 37.6#
59 0.0	10.5 15.7#



#27
cis-1,2-Dichloroethene
Concen: 4.100 ug/l
RT: 6.746 min Scan# 808
Delta R.T. -0.219 min
Lab File: VY018878.D
Acq: 19 Jul 2024 13:40

Tgt Ion: 96	Resp: 22
Ion Ratio	Lower Upper
96 100	
61 0.0	0.0 256.2
98 0.0	0.0 130.0





#33

1,2-Dichloroethane-d4

Concen: 118.936 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY018878.D

Acq: 19 Jul 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

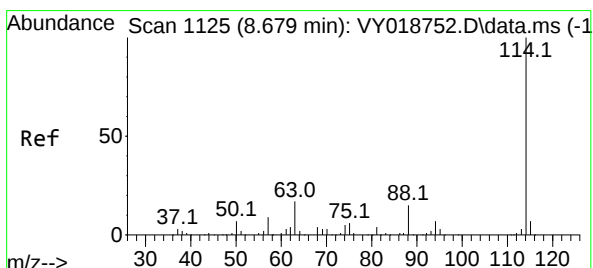
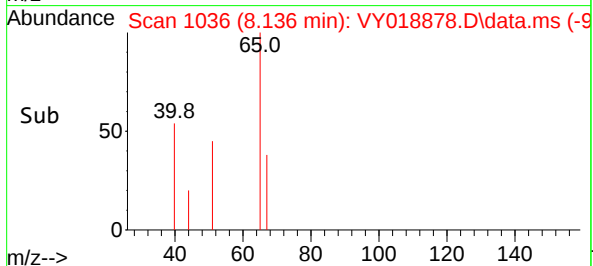
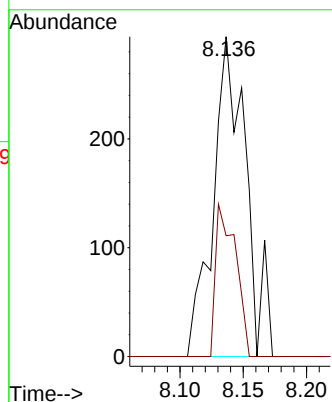
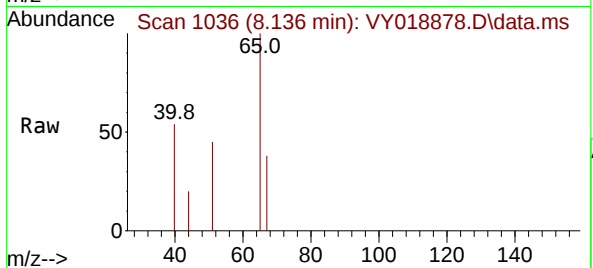
HR-1-071724RE

Tgt Ion: 65 Resp: 529

Ion Ratio Lower Upper

65 100

67 29.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY018878.D

Acq: 19 Jul 2024 13:40

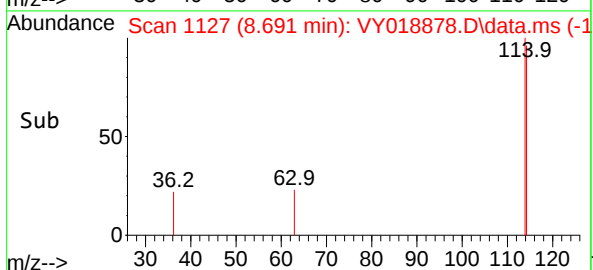
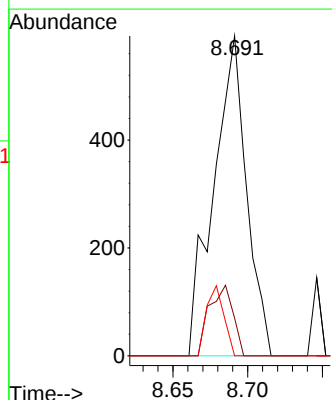
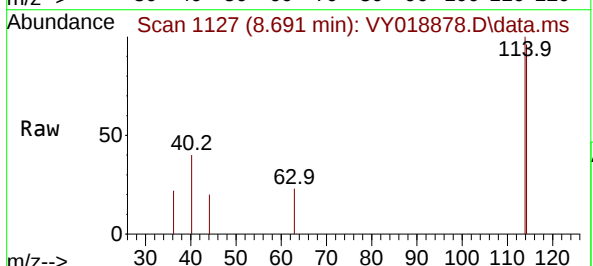
Tgt Ion: 114 Resp: 911

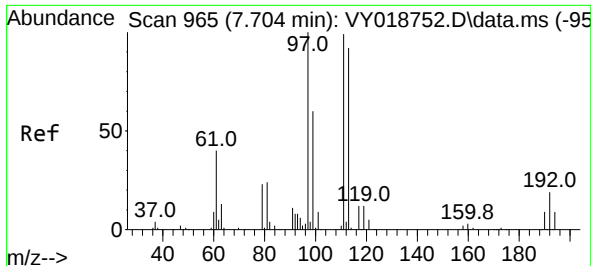
Ion Ratio Lower Upper

114 100

63 11.8 0.0 35.0

88 0.0 0.0 27.2

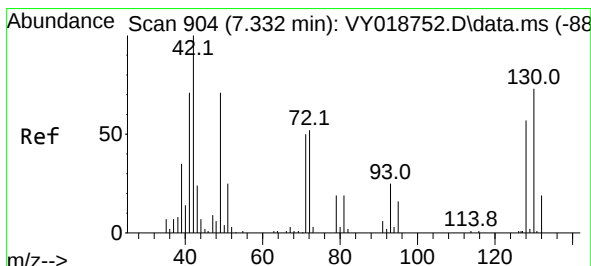
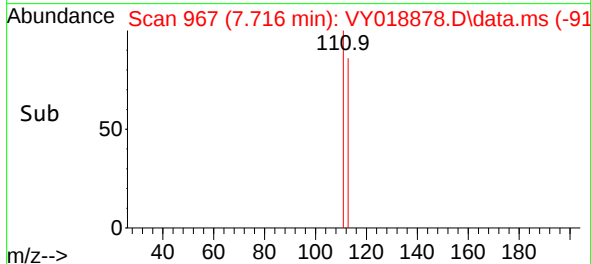
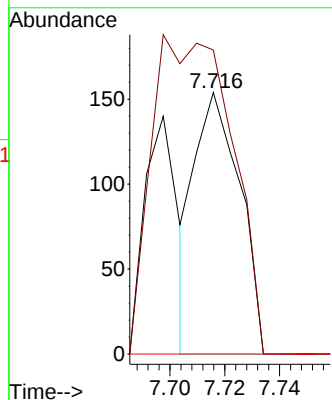
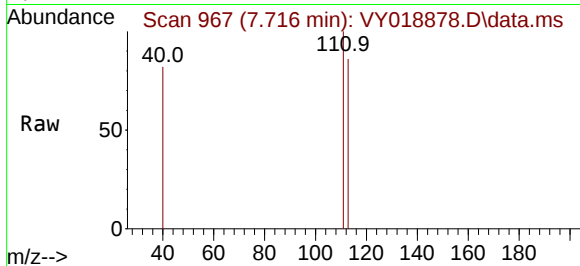




#35
Dibromofluoromethane
Concen: 30.846 ug/l
RT: 7.716 min Scan# 902
Delta R.T. 0.012 min
Lab File: VY018878.D
Acq: 19 Jul 2024 13:40

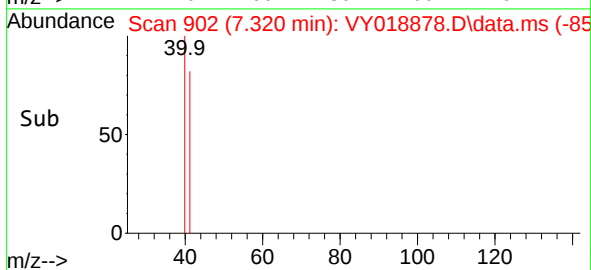
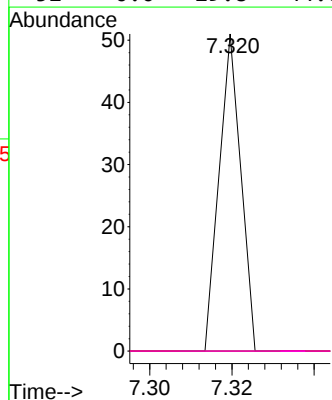
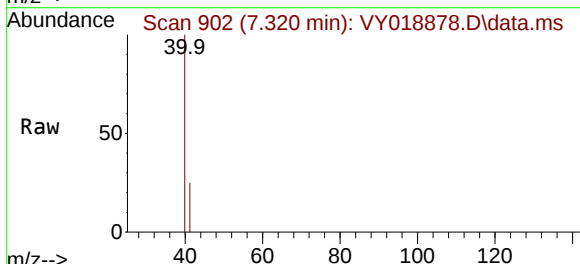
Instrument :
MSVOA_Y
ClientSampleId :
HR-1-071724RE

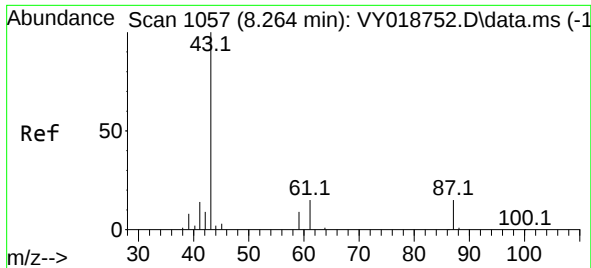
Tgt Ion:113 Resp: 176
Ion Ratio Lower Upper
113 100
111 0.0 82.2 123.4#
192 0.0 15.9 23.9#



#41
Methacrylonitrile
Concen: 10.182 ug/l
RT: 7.320 min Scan# 902
Delta R.T. -0.012 min
Lab File: VY018878.D
Acq: 19 Jul 2024 13:40

Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
39 0.0 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#





#43

Isopropyl Acetate

Concen: 8.599 ug/l

RT: 8.447 min Scan# 1057

Delta R.T. 0.183 min

Lab File: VY018878.D

Acq: 19 Jul 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

HR-1-071724RE

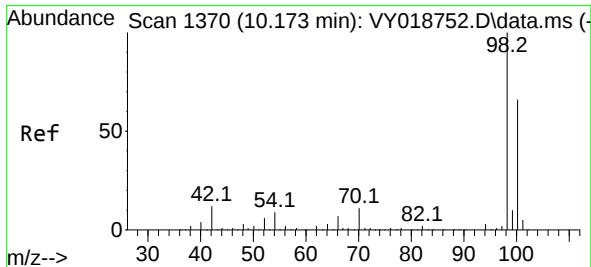
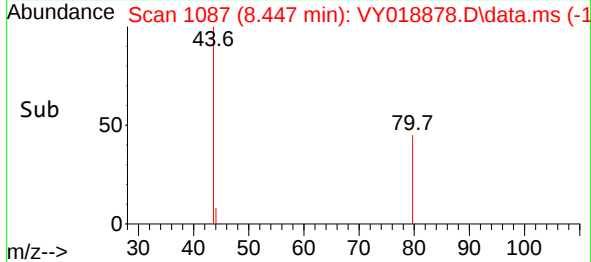
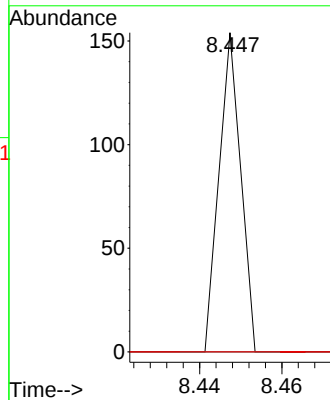
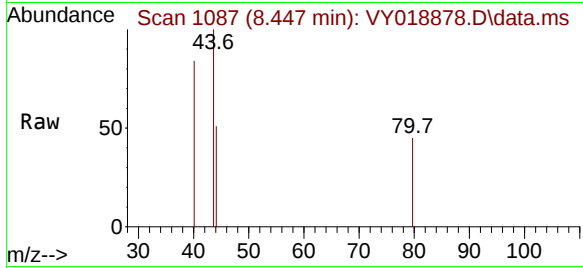
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

61 0.0 27.9 41.9#

87 0.0 13.1 19.7#



#50

Toluene-d8

Concen: 50.192 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.012 min

Lab File: VY018878.D

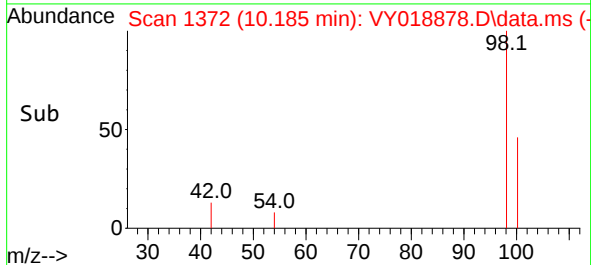
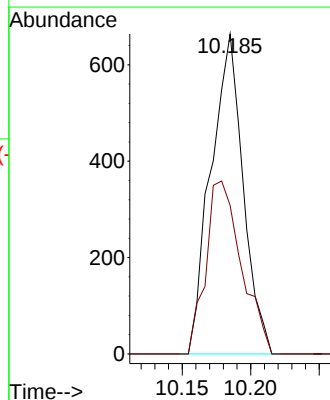
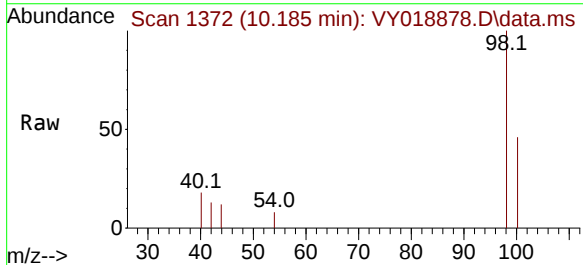
Acq: 19 Jul 2024 13:40

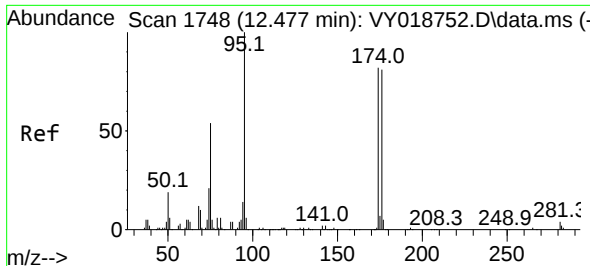
Tgt Ion: 98 Resp: 1085

Ion Ratio Lower Upper

98 100

100 59.5 52.0 78.0

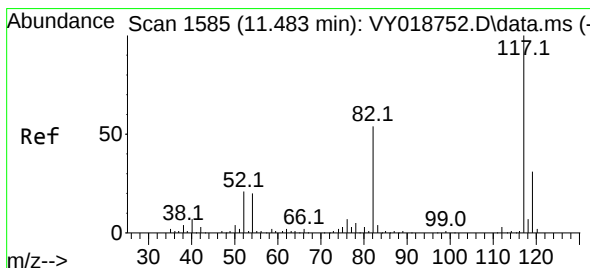
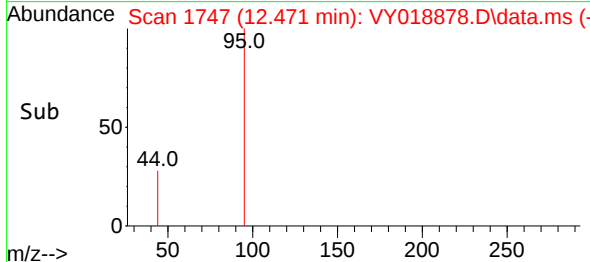
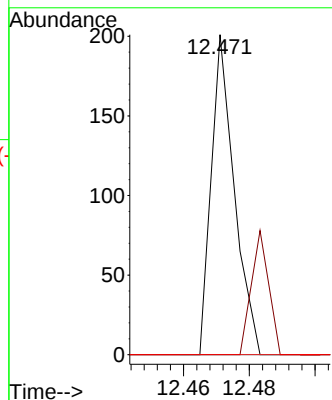
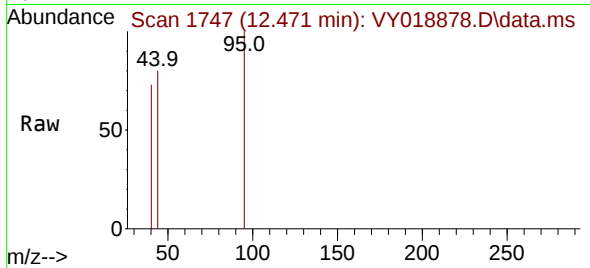




#62
4-Bromofluorobenzene
Concen: 13.140 ug/l
RT: 12.471 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018878.D
Acq: 19 Jul 2024 13:40

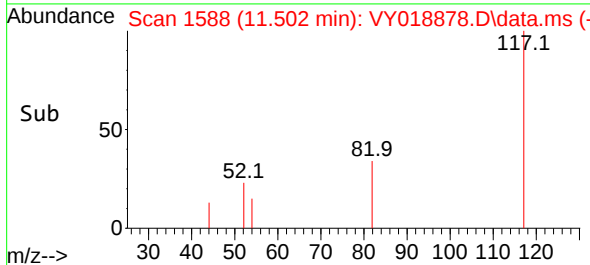
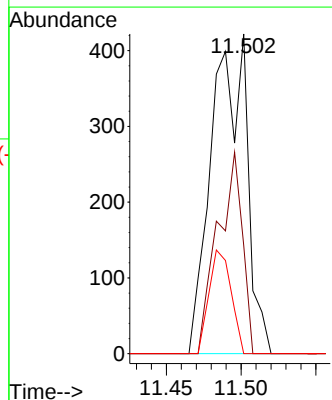
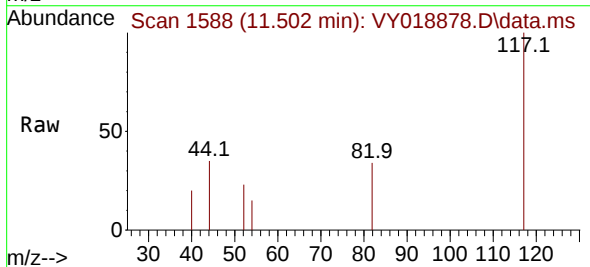
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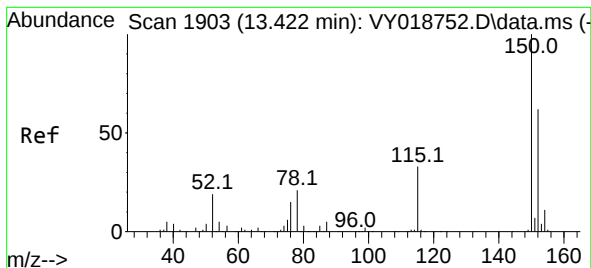
Tgt Ion: 95	Resp:	97
Ion Ratio	Lower	Upper
95	100	
174	29.9	0.0 175.6
176	0.0	0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.018 min
Lab File: VY018878.D
Acq: 19 Jul 2024 13:40

Tgt Ion: 117	Resp:	695
Ion Ratio	Lower	Upper
117	100	
82	33.9	42.4 63.6#
119	0.0	25.9 38.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY018878.D

Acq: 19 Jul 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

HR-1-071724RE

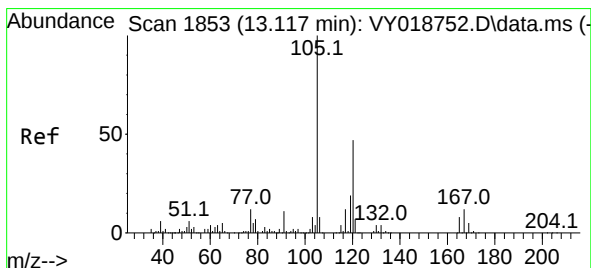
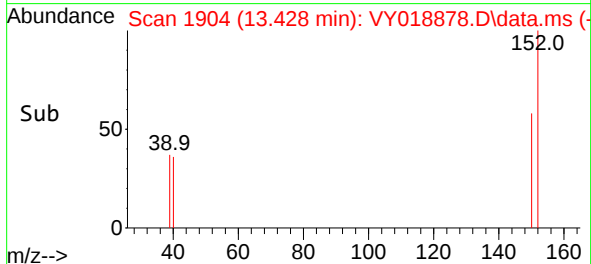
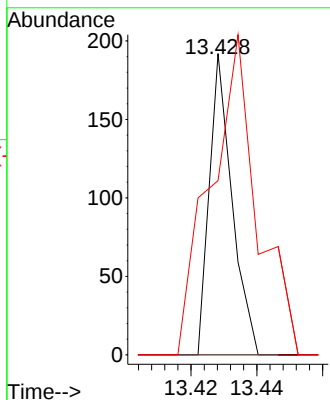
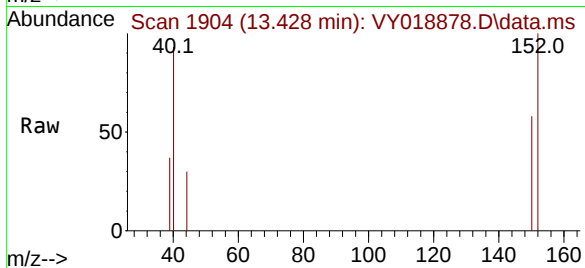
Tgt Ion:152 Resp: 92

Ion Ratio Lower Upper

152 100

115 0.0 28.2 84.7#

150 217.4 0.0 345.6



#84

1,2,4-Trimethylbenzene

Concen: 4.567 ug/l

RT: 13.331 min Scan# 1888

Delta R.T. 0.213 min

Lab File: VY018878.D

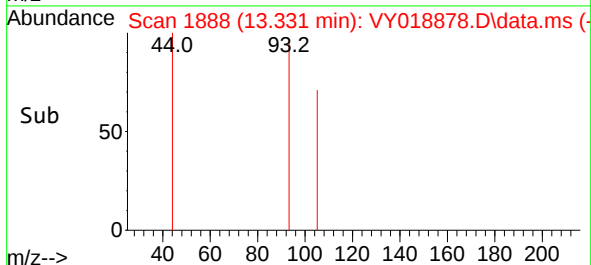
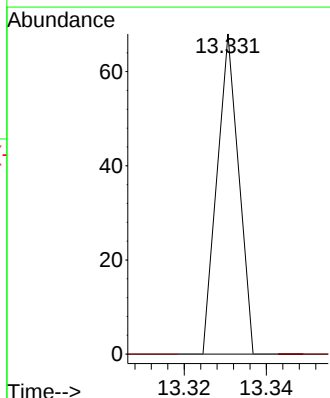
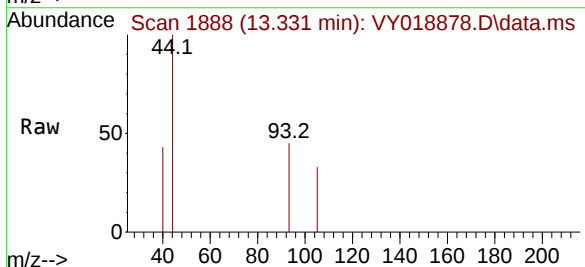
Acq: 19 Jul 2024 13:40

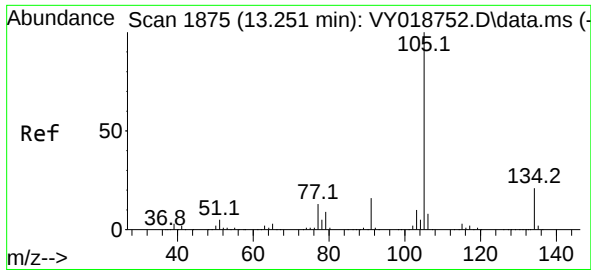
Tgt Ion:105 Resp: 25

Ion Ratio Lower Upper

105 100

120 0.0 23.2 69.6#





#85

sec-Butylbenzene

Concen: 3.463 ug/l

RT: 13.331 min Scan# 11

Delta R.T. 0.079 min

Lab File: VY018878.D

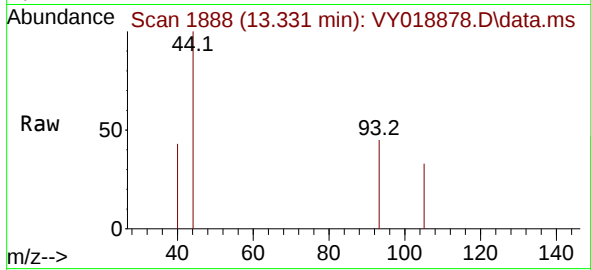
Acq: 19 Jul 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

HR-1-071724RE



Tgt Ion:105 Resp: 25

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#

