

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012165.D
 Acq On : 11 Jan 2023 15:58
 Operator : KP/MD
 Sample : 01122-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-03-011123

Quant Time: Jan 12 05:50:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

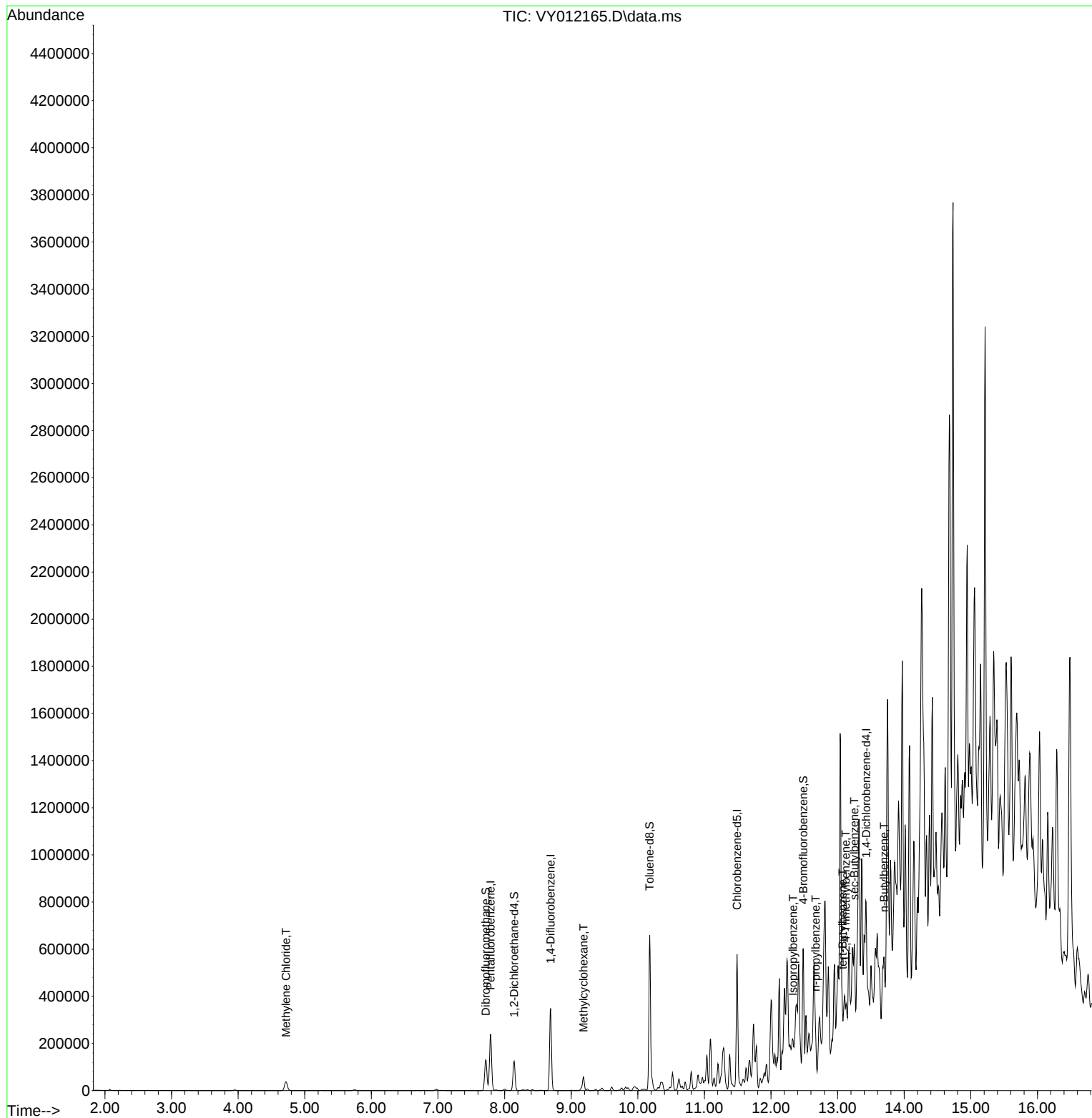
Internal Standards						
1) Pentafluorobenzene	7.789	168	184157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	310889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	311247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	105019	50.751	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.500%	
35) Dibromofluoromethane	7.716	113	92760	45.394	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.780%	
50) Toluene-d8	10.179	98	383624	47.564	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.120%	
62) 4-Bromofluorobenzene	12.483	95	144913	51.402	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.800%	
Target Compounds						
						Qvalue
20) Methylene Chloride	4.716	84	31361	10.573	ug/l	93
39) Methylcyclohexane	9.185	83	23650	6.386	ug/l	94
73) Isopropylbenzene	12.331	105	40049	3.486	ug/l	99
78) n-propylbenzene	12.672	91	90002	6.710	ug/l	100
83) tert-Butylbenzene	13.074	119	10389	1.203	ug/l	81
84) 1,2,4-Trimethylbenzene	13.123	105	12090	1.239	ug/l	97
85) sec-Butylbenzene	13.251	105	111982	9.023	ug/l #	76
89) n-Butylbenzene	13.696	91	109832	11.788	ug/l #	78

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

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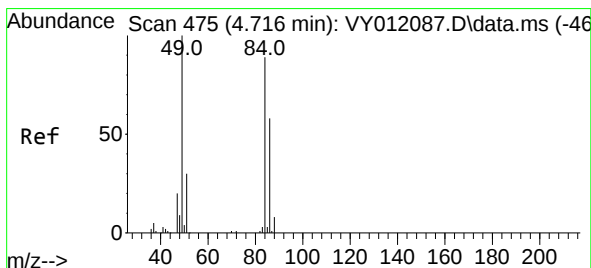
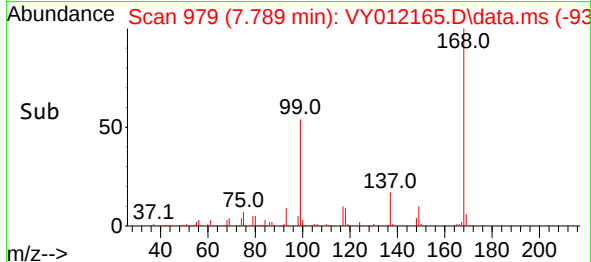
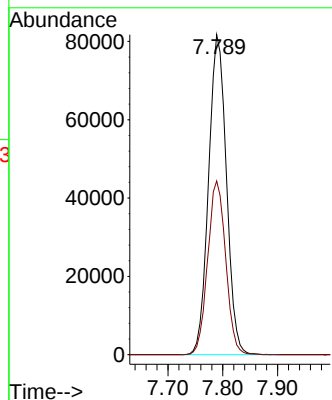
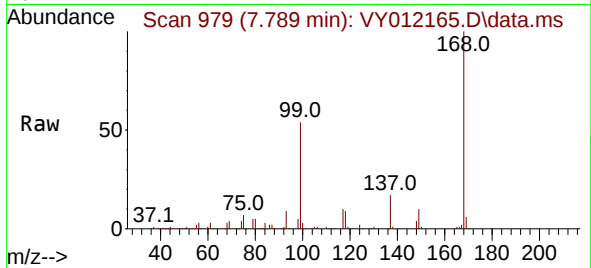




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012165.D
Acq: 11 Jan 2023 15:58

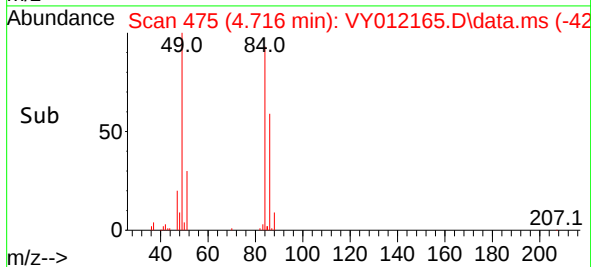
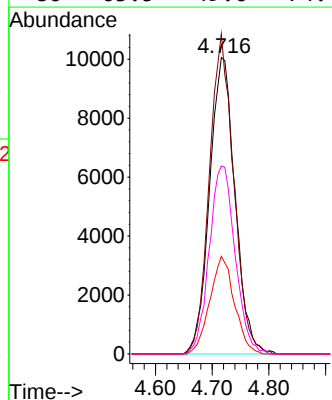
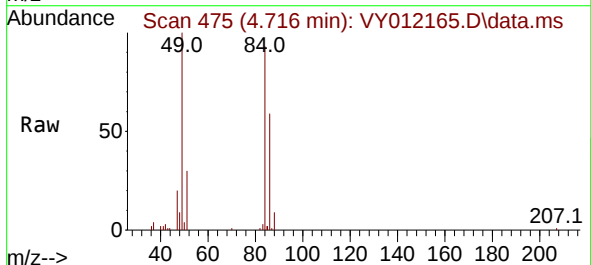
Instrument :
MSVOA_Y
ClientSampleId :
PAT-03-011123

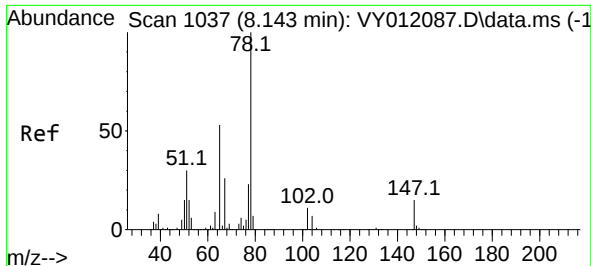
Tgt Ion:168 Resp: 184157
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#20
Methylene Chloride
Concen: 10.573 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012165.D
Acq: 11 Jan 2023 15:58

Tgt Ion: 84 Resp: 31361
Ion Ratio Lower Upper
84 100
49 108.0 95.4 143.2
51 32.9 29.9 44.9
86 63.5 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 50.751 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY012165.D

Acq: 11 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

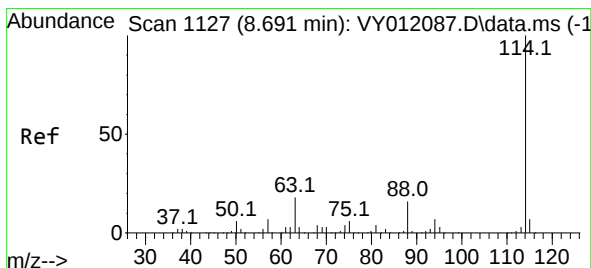
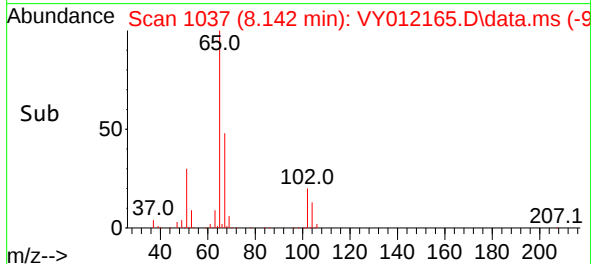
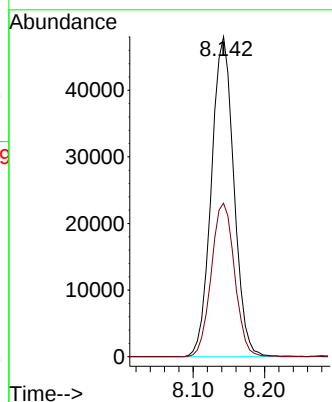
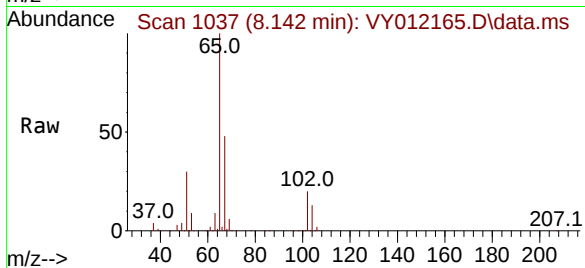
PAT-03-011123

Tgt Ion: 65 Resp: 105019

Ion Ratio Lower Upper

65 100

67 49.6 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012165.D

Acq: 11 Jan 2023 15:58

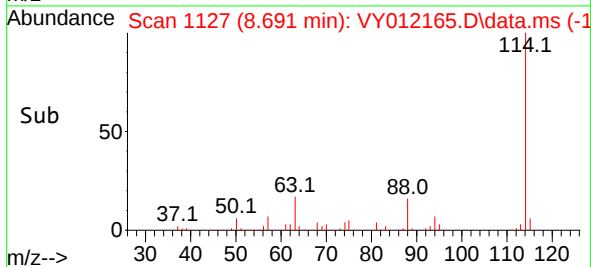
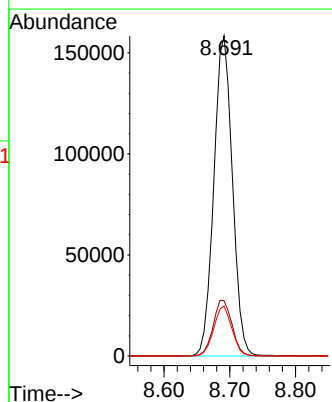
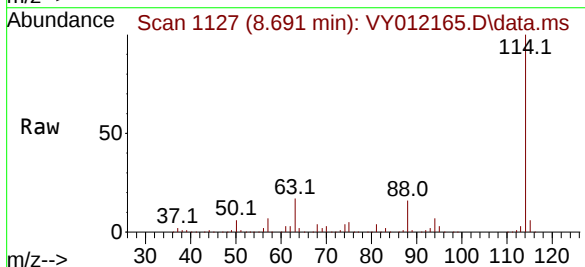
Tgt Ion: 114 Resp: 310889

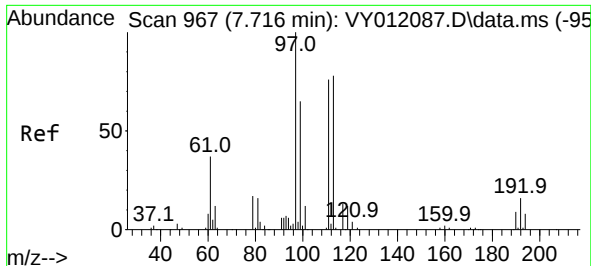
Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 15.6 0.0 32.2

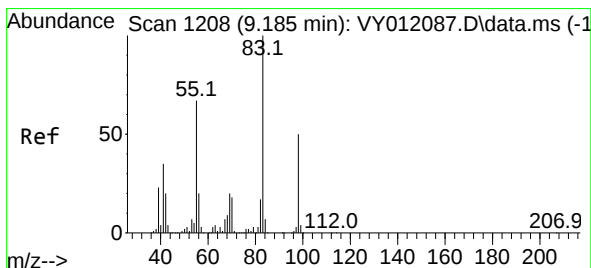
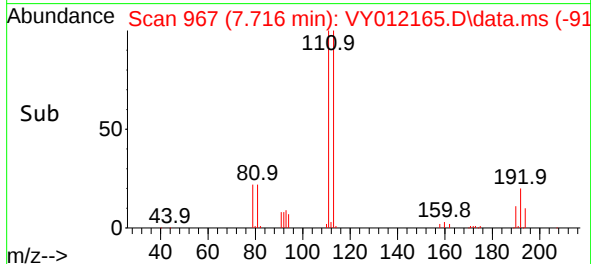
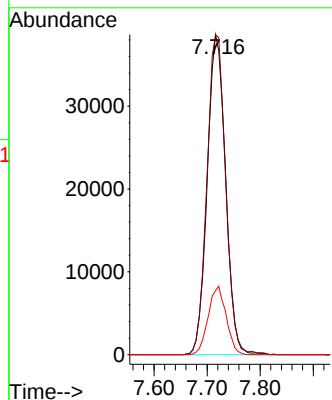
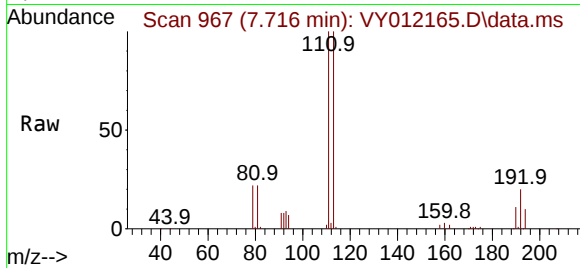




#35
Dibromofluoromethane
Concen: 45.394 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012165.D
Acq: 11 Jan 2023 15:58

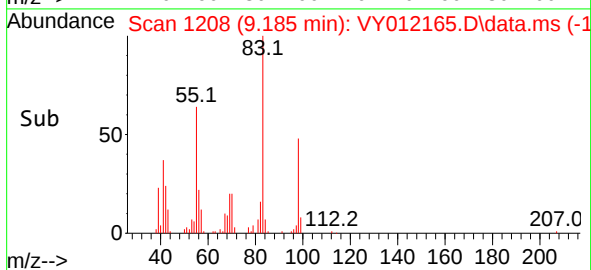
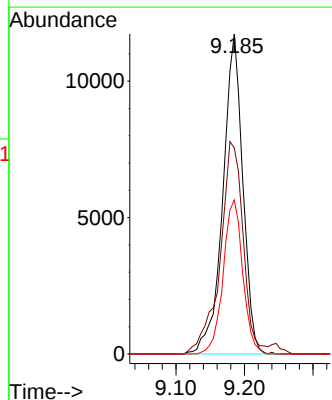
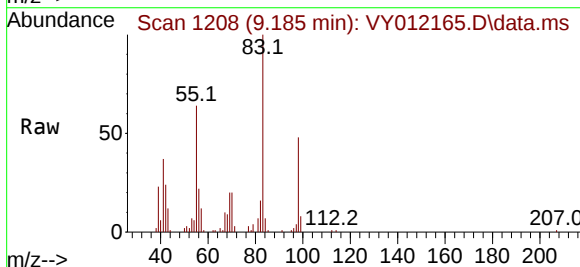
Instrument :
MSVOA_Y
ClientSampleId :
PAT-03-011123

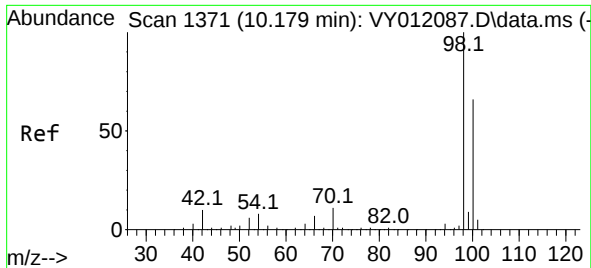
Tgt Ion:113 Resp: 92760
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.4
192 21.0 16.0 24.0



#39
Methylcyclohexane
Concen: 6.386 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY012165.D
Acq: 11 Jan 2023 15:58

Tgt Ion: 83 Resp: 23650
Ion Ratio Lower Upper
83 100
55 64.4 58.2 87.2
98 48.1 38.6 58.0

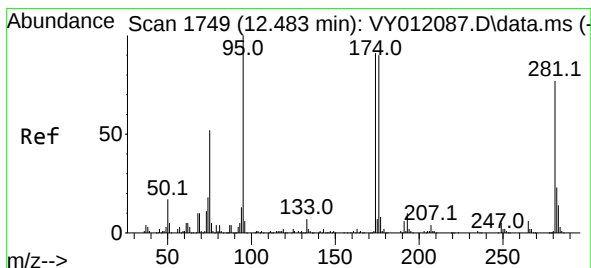
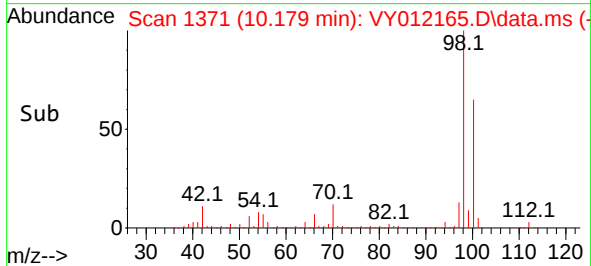
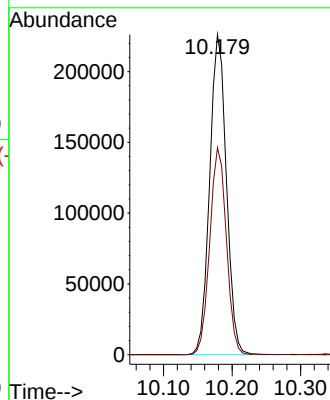
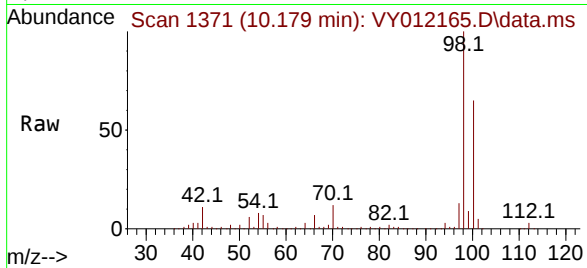




#50
Toluene-d8
Concen: 47.564 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012165.D
Acq: 11 Jan 2023 15:58

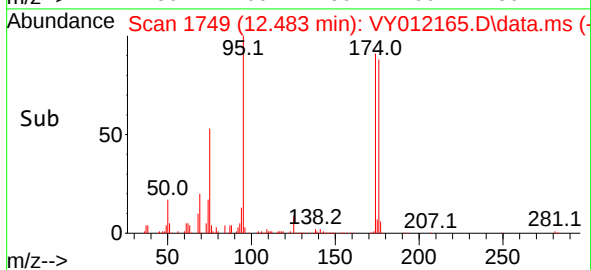
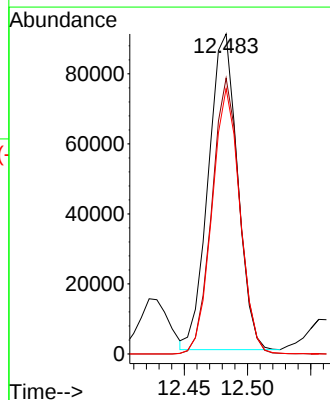
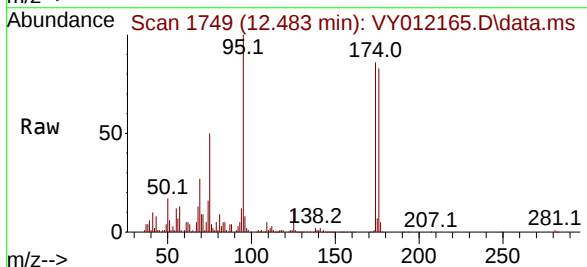
Instrument :
MSVOA_Y
ClientSampleId :
PAT-03-011123

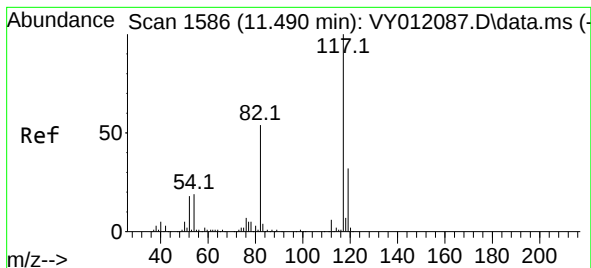
Tgt Ion: 98 Resp: 383624
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 51.402 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012165.D
Acq: 11 Jan 2023 15:58

Tgt Ion: 95 Resp: 144913
Ion Ratio Lower Upper
95 100
174 82.9 0.0 172.0
176 80.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012165.D

Acq: 11 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

PAT-03-011123

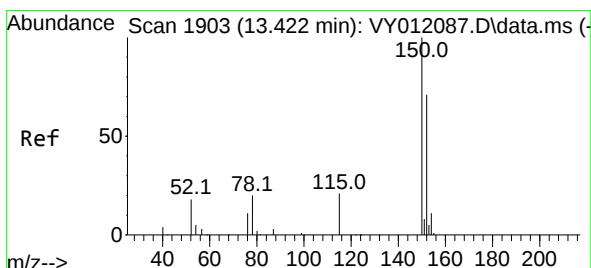
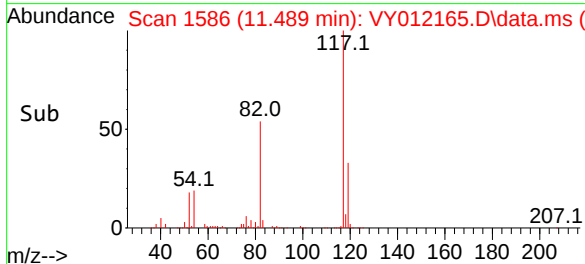
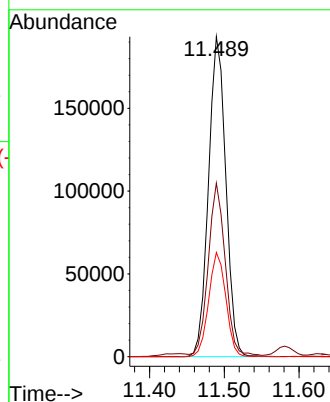
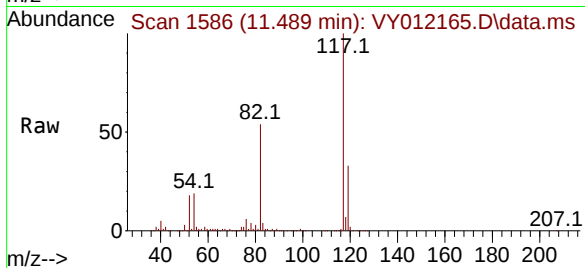
Tgt Ion:117 Resp: 311247

Ion Ratio Lower Upper

117 100

82 53.3 44.8 67.2

119 32.6 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012165.D

Acq: 11 Jan 2023 15:58

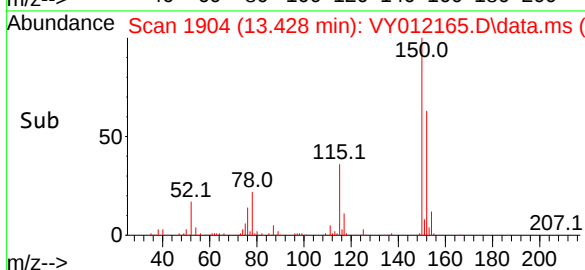
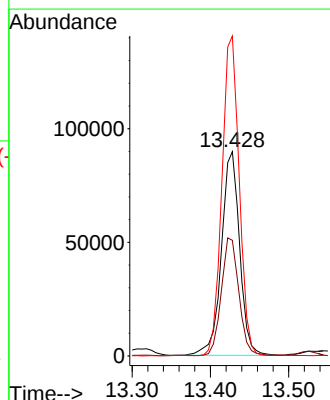
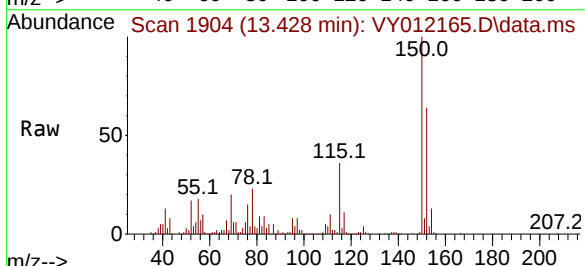
Tgt Ion:152 Resp: 145201

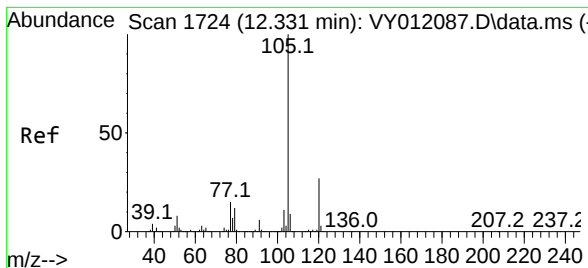
Ion Ratio Lower Upper

152 100

115 55.4 29.1 87.3

150 148.5 0.0 342.6





#73

Isopropylbenzene

Concen: 3.486 ug/l

RT: 12.331 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012165.D

Acq: 11 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

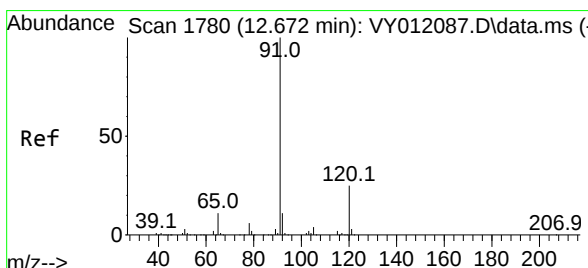
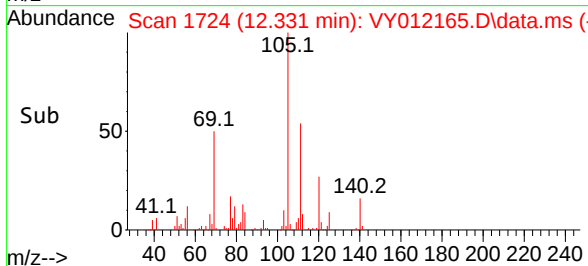
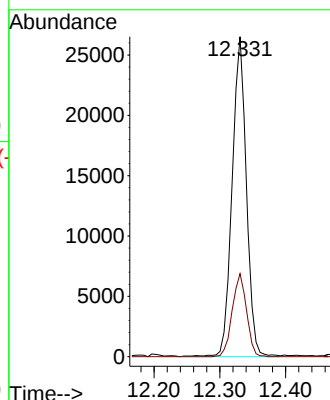
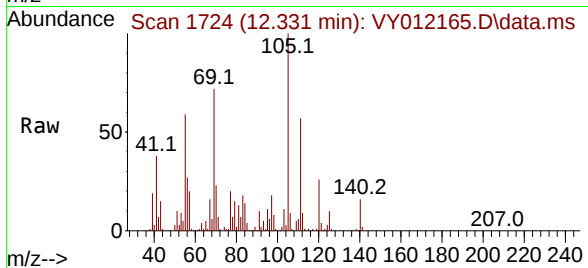
PAT-03-011123

Tgt Ion:105 Resp: 40049

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.6



#78

n-propylbenzene

Concen: 6.710 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY012165.D

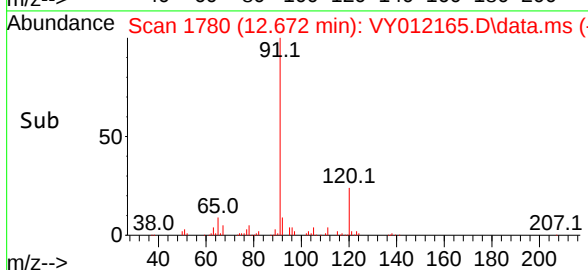
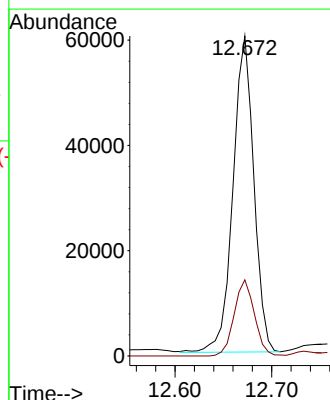
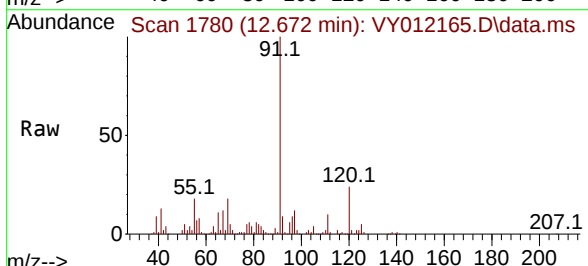
Acq: 11 Jan 2023 15:58

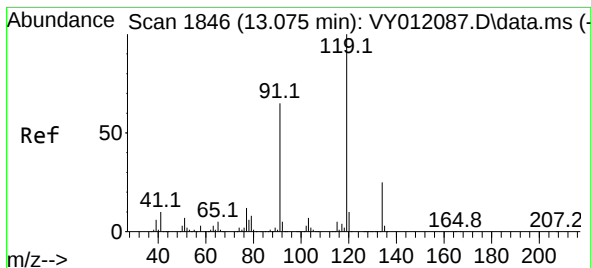
Tgt Ion: 91 Resp: 90002

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.4





#83

tert-Butylbenzene

Concen: 1.203 ug/l

RT: 13.074 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012165.D

Acq: 11 Jan 2023 15:58

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PAT-03-011123

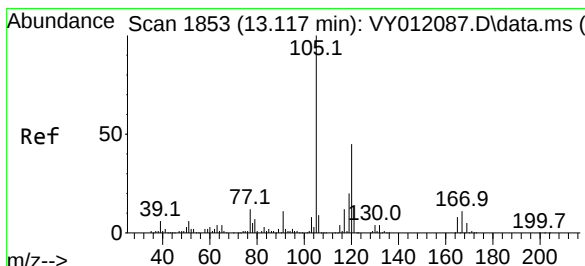
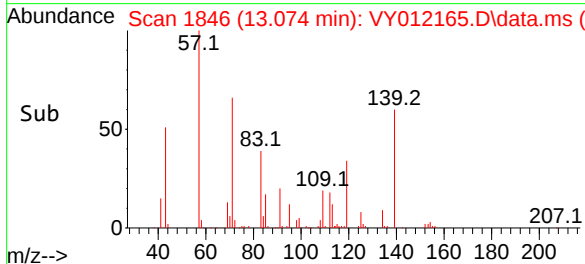
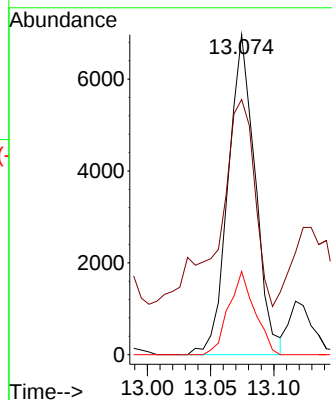
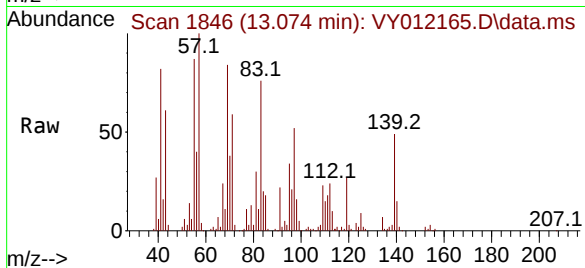
Tgt Ion:119 Resp: 10389

Ion Ratio Lower Upper

119 100

91 84.8 32.3 96.8

134 25.0 13.0 39.0



#84

1,2,4-Trimethylbenzene

Concen: 1.239 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY012165.D

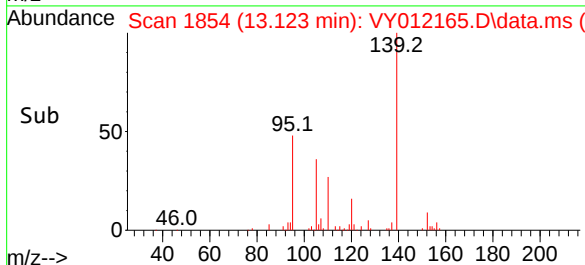
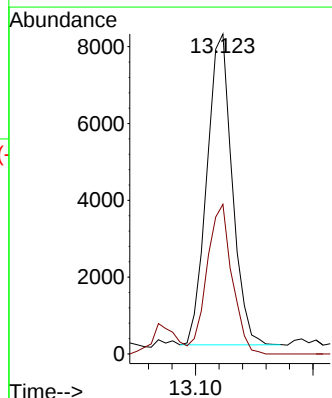
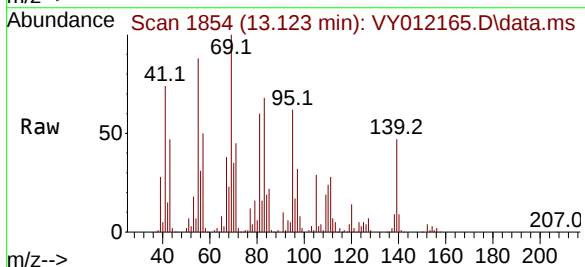
Acq: 11 Jan 2023 15:58

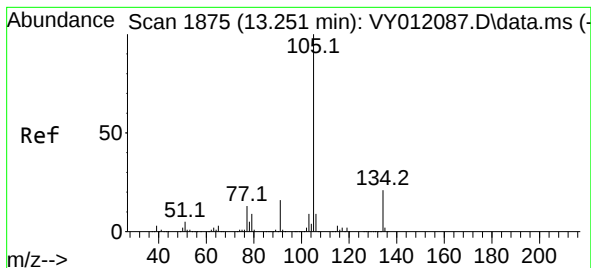
Tgt Ion:105 Resp: 12090

Ion Ratio Lower Upper

105 100

120 47.7 22.9 68.7





#85

sec-Butylbenzene

Concen: 9.023 ug/l

RT: 13.251 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012165.D

Acq: 11 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

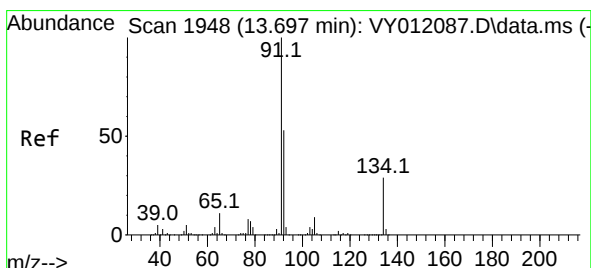
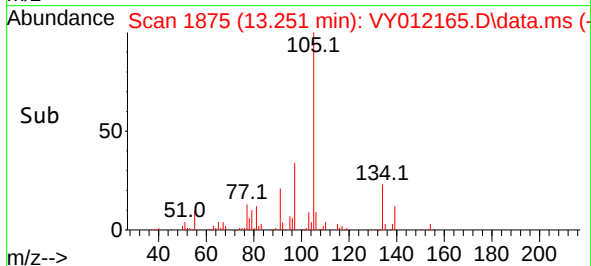
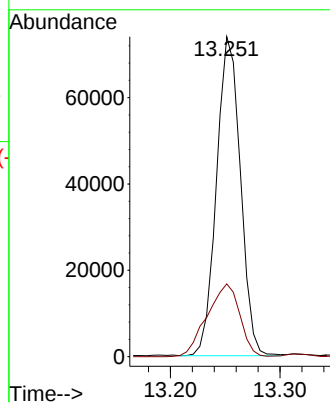
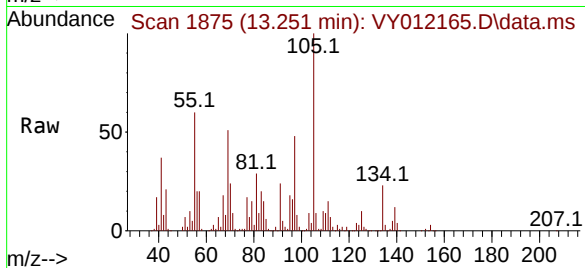
PAT-03-011123

Tgt Ion:105 Resp: 111982

Ion Ratio Lower Upper

105 100

134 31.1 10.1 30.3#



#89

n-Butylbenzene

Concen: 11.788 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.001 min

Lab File: VY012165.D

Acq: 11 Jan 2023 15:58

Tgt Ion: 91 Resp: 109832

Ion Ratio Lower Upper

91 100

92 45.8 26.8 80.4

134 49.3 13.3 39.8#

