

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011823\
 Data File : VY012244.D
 Acq On : 18 Jan 2023 14:21
 Operator : KP/MD
 Sample : 01190-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-2

Quant Time: Jan 19 00:35:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

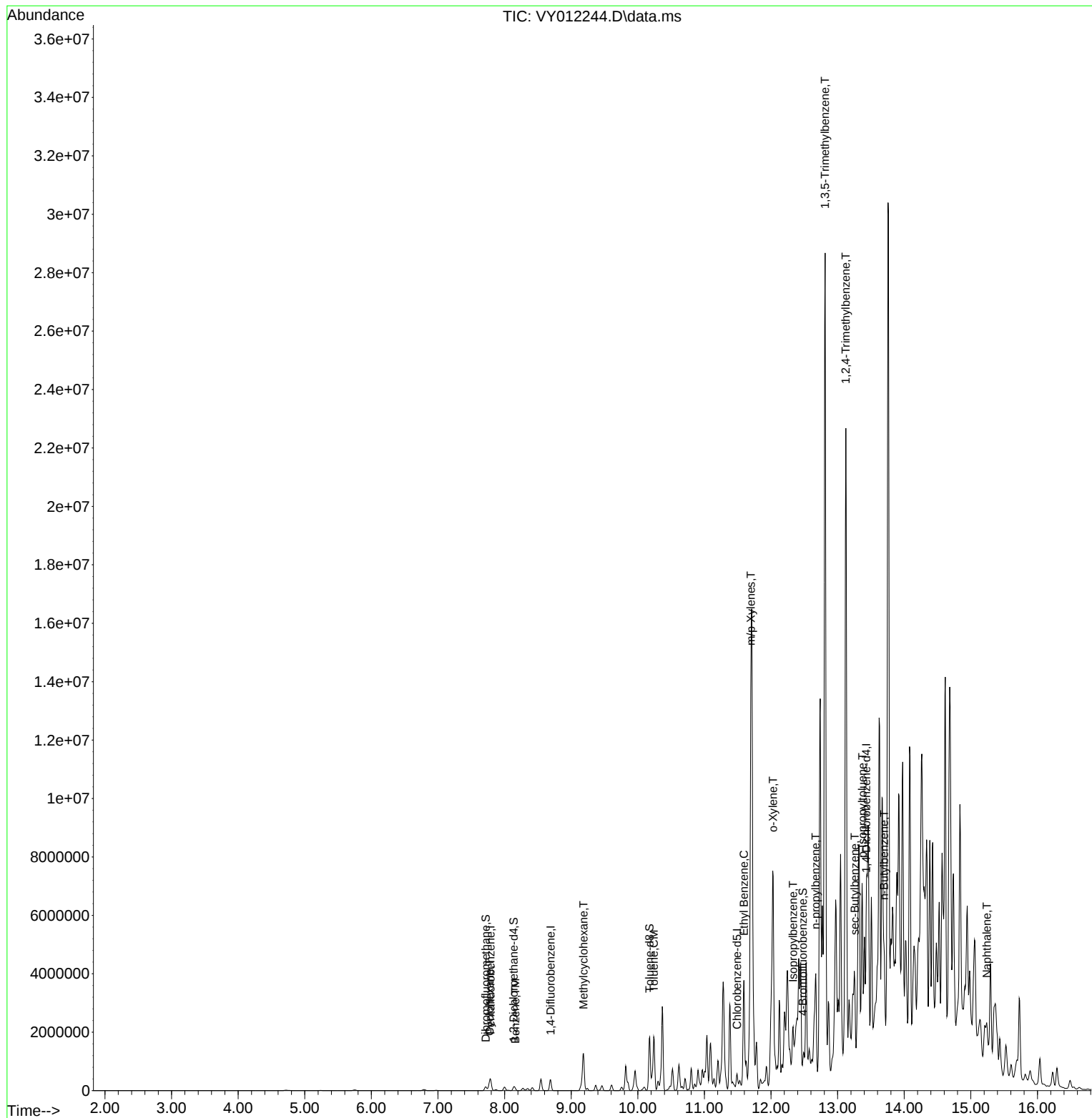
Internal Standards						
1) Pentafluorobenzene	7.789	168	210694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	334730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	289982	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	97314	56.211	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.420%			
35) Dibromofluoromethane	7.716	113	88662	50.024	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.040%			
50) Toluene-d8	10.179	98	457842	76.884	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 153.760%#			
62) 4-Bromofluorobenzene	12.477	95	169971	68.028	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 136.060%			
Target Compounds						Qvalue
31) Cyclohexane	7.777	56	80132	26.085	ug/l	97
39) Methylcyclohexane	9.185	83	589639	160.181	ug/l	93
40) Benzene	8.161	78	50233	5.778	ug/l	100
52) Toluene	10.240	92	772239	133.405	ug/l	100
67) Ethyl Benzene	11.593	91	2279373	214.959	ug/l	99
68) m/p-Xylenes	11.697	106	3506871	836.451	ug/l	98
69) o-Xylene	12.032	106	1662397	415.129	ug/l	100
73) Isopropylbenzene	12.331	105	713760	69.068	ug/l	99
78) n-propylbenzene	12.672	91	2427090	200.706	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	3165700	352.387	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	10674054	1204.819	ug/l	95
85) sec-Butylbenzene	13.257	105	1056128	94.739	ug/l	82
86) p-Isopropyltoluene	13.373	119	662285	67.998	ug/l	99
89) n-Butylbenzene	13.696	91	1332166	157.829	ug/l	# 77
95) Naphthalene	15.239	128	903919	161.961	ug/l	96

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

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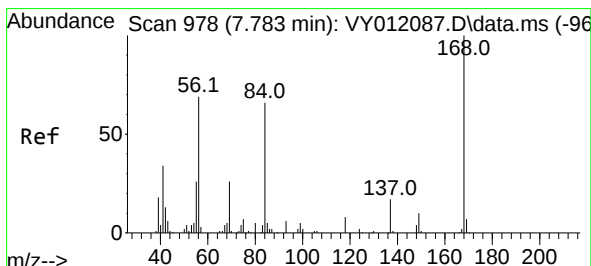
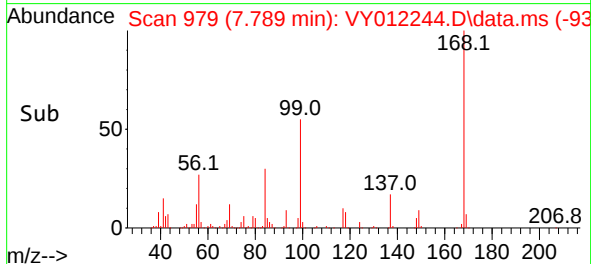
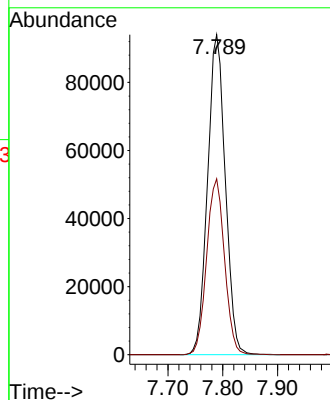
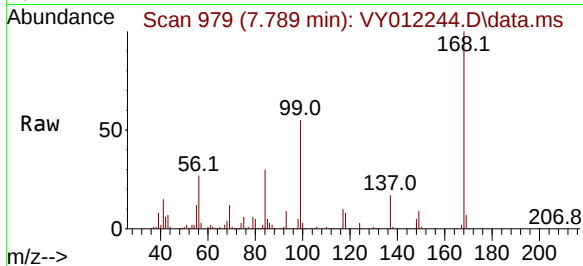




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

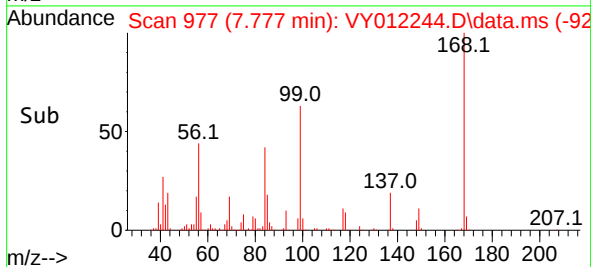
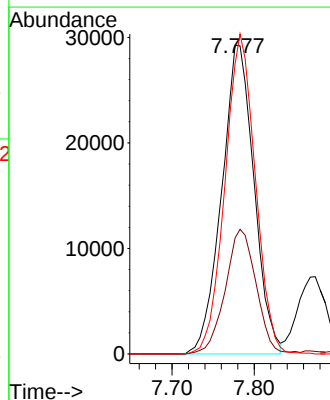
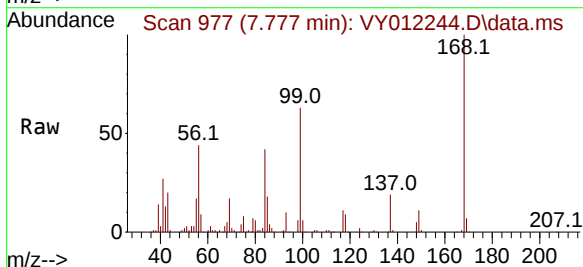
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

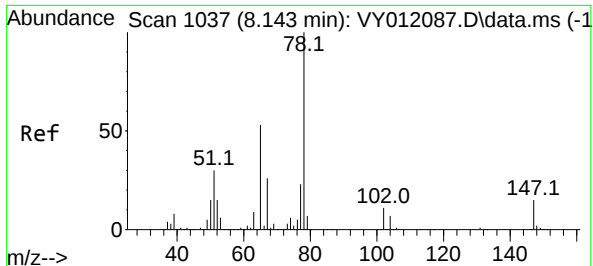
Tgt Ion:168 Resp: 210694
Ion Ratio Lower Upper
168 100
99 55.0 44.0 66.0



#31
Cyclohexane
Concen: 26.085 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

Tgt Ion: 56 Resp: 80132
Ion Ratio Lower Upper
56 100
69 37.6 29.2 43.8
84 94.0 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 56.211 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY012244.D

Acq: 18 Jan 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

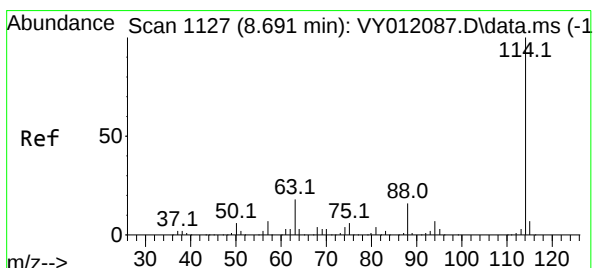
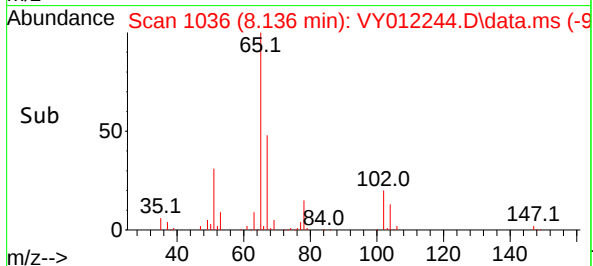
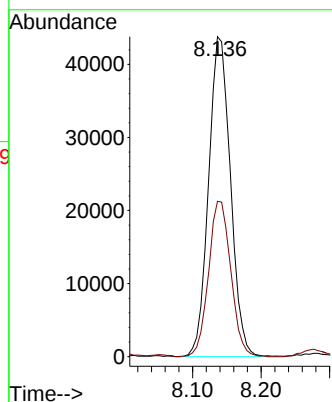
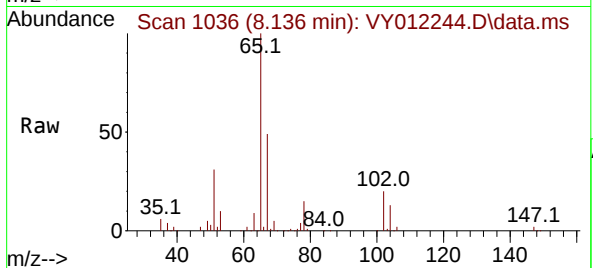
PE-2

Tgt Ion: 65 Resp: 97314

Ion Ratio Lower Upper

65 100

67 49.4 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: VY012244.D

Acq: 18 Jan 2023 14:21

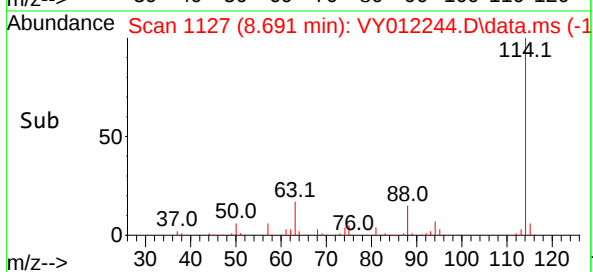
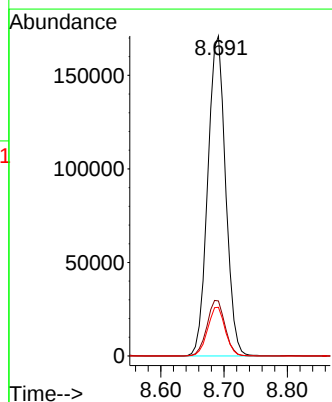
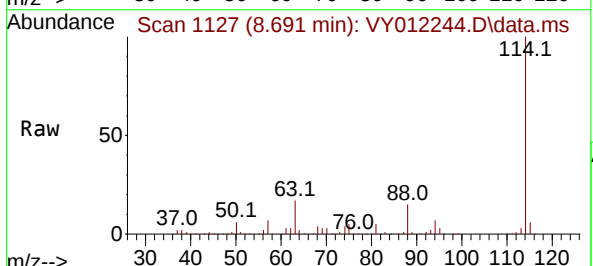
Tgt Ion:114 Resp: 334730

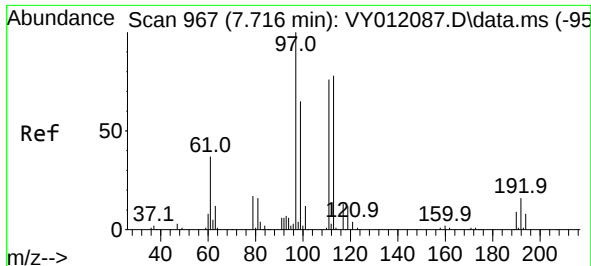
Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 15.2 0.0 32.2

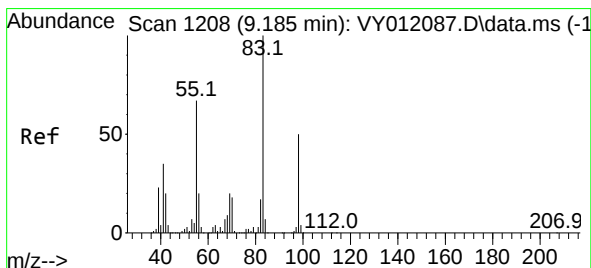
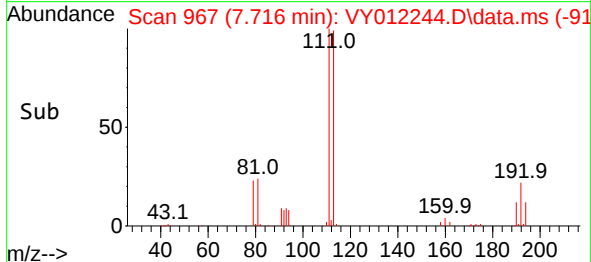
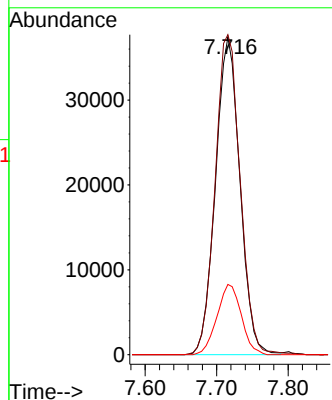
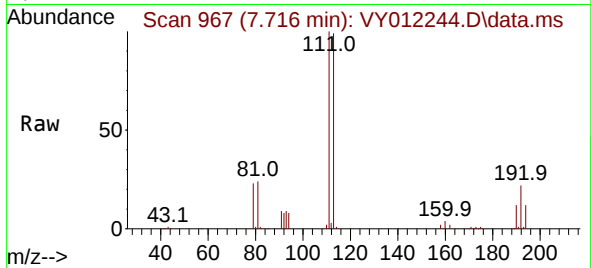




#35
Dibromofluoromethane
Concen: 50.024 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

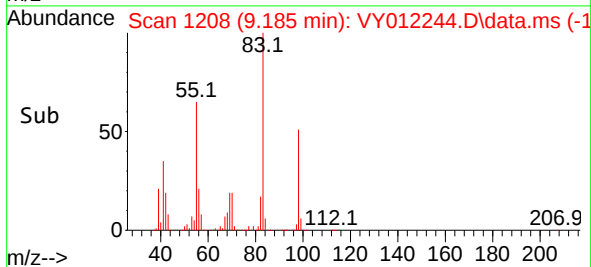
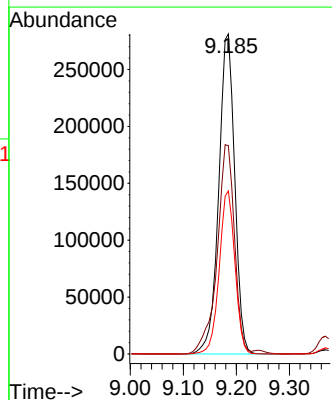
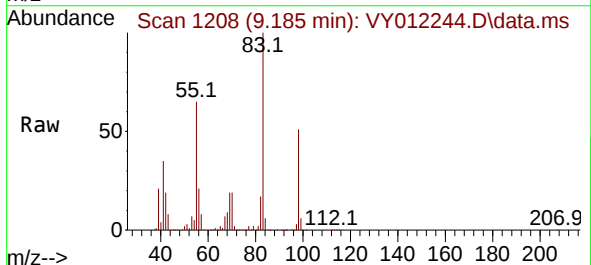
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

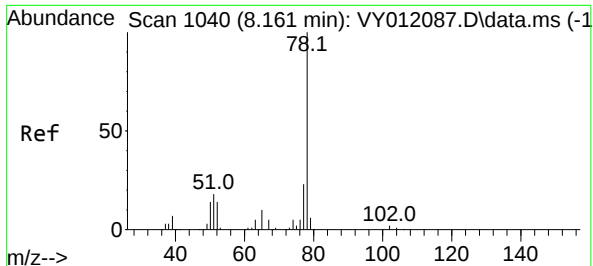
Tgt Ion:113 Resp: 88662
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 22.0 16.0 24.0



#39
Methylcyclohexane
Concen: 160.181 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

Tgt Ion: 83 Resp: 589639
Ion Ratio Lower Upper
83 100
55 65.1 58.2 87.2
98 50.9 38.6 58.0

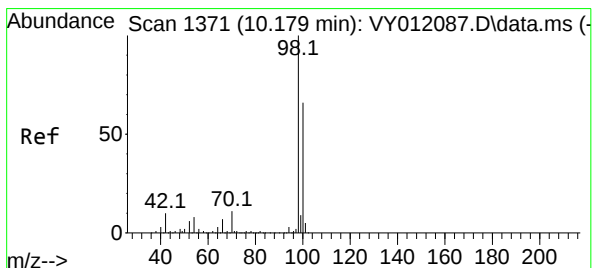
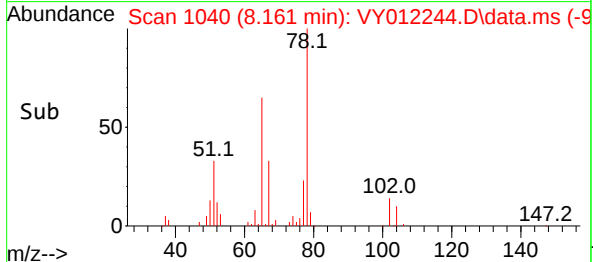
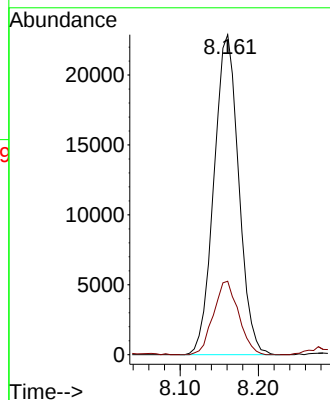
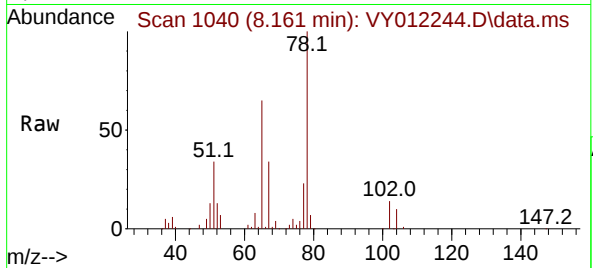




#40
Benzene
Concen: 5.778 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

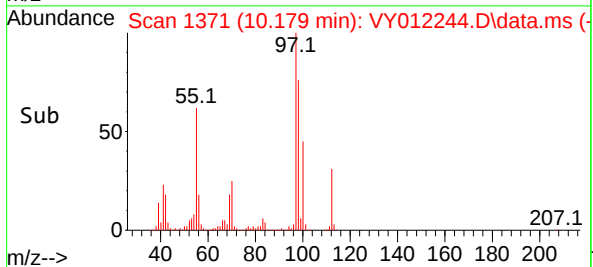
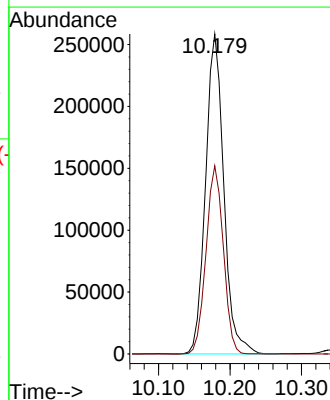
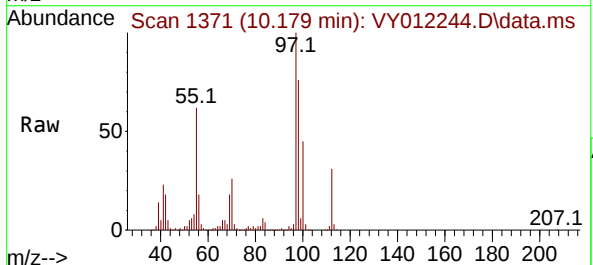
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

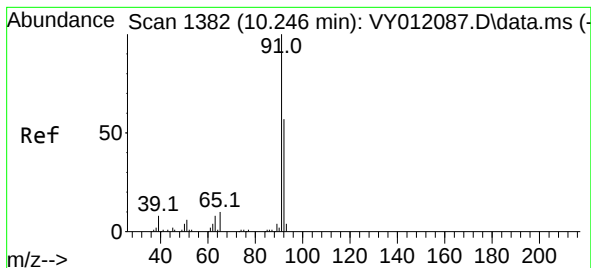
Tgt Ion: 78 Resp: 50233
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8



#50
Toluene-d8
Concen: 76.884 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

Tgt Ion: 98 Resp: 457842
Ion Ratio Lower Upper
98 100
100 55.9 51.9 77.9





#52

Toluene

Concen: 133.405 ug/l

RT: 10.240 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY012244.D

Acq: 18 Jan 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

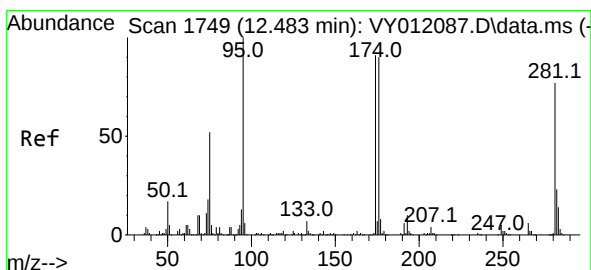
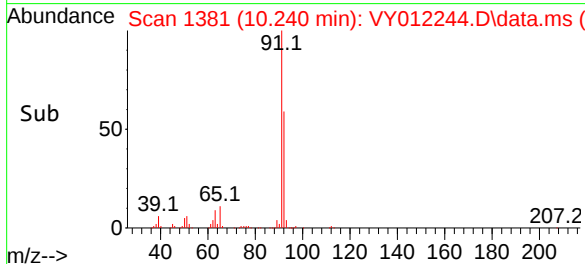
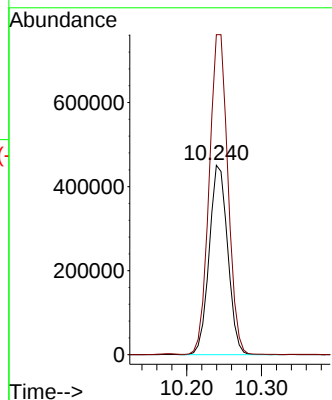
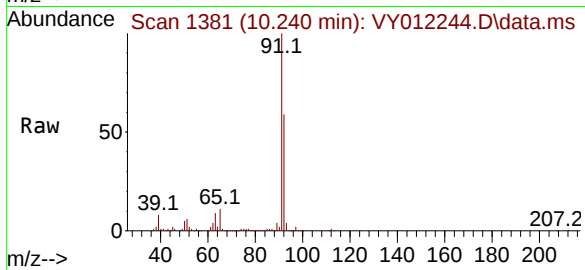
PE-2

Tgt Ion: 92 Resp: 772239

Ion Ratio Lower Upper

92 100

91 171.1 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 68.028 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY012244.D

Acq: 18 Jan 2023 14:21

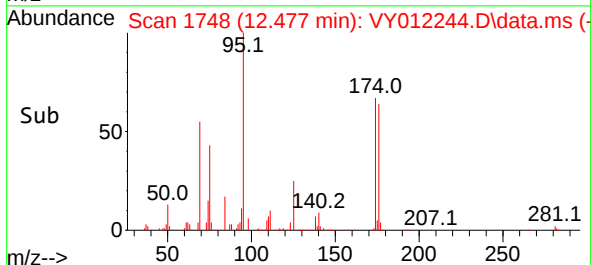
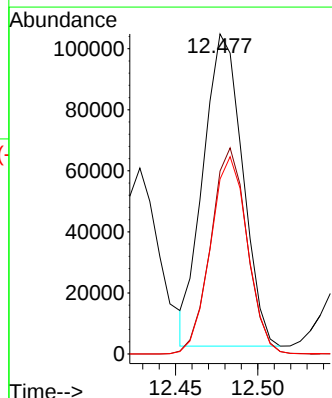
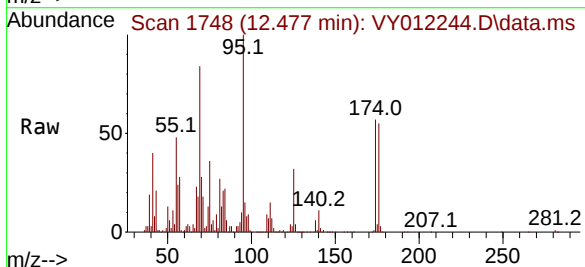
Tgt Ion: 95 Resp: 169971

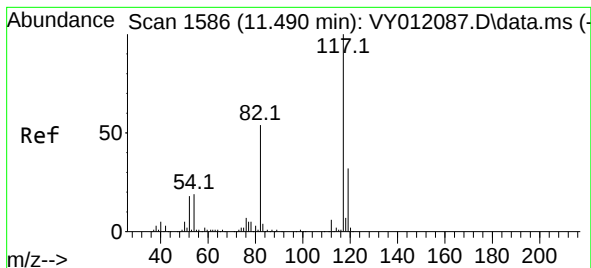
Ion Ratio Lower Upper

95 100

174 61.3 0.0 172.0

176 59.7 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: VY012244.D

Acq: 18 Jan 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

PE-2

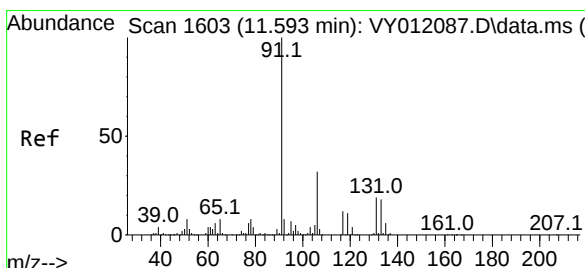
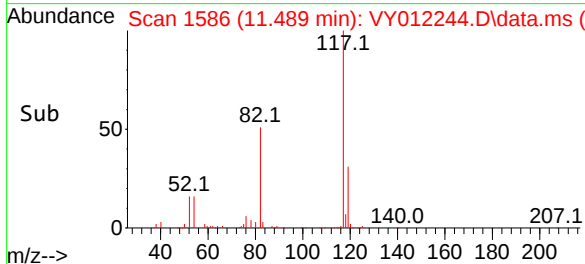
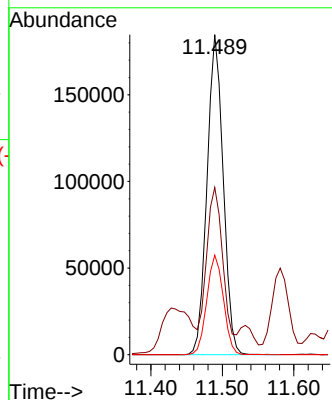
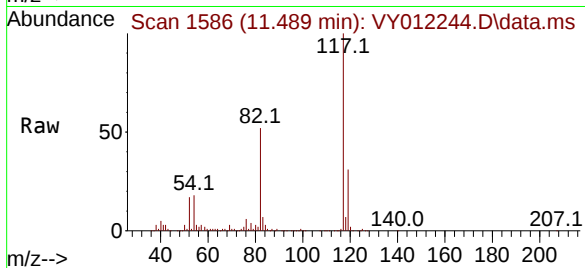
Tgt Ion:117 Resp: 289982

Ion Ratio Lower Upper

117 100

82 38.8 44.8 67.2#

119 31.1 25.4 38.2



#67

Ethyl Benzene

Concen: 214.959 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012244.D

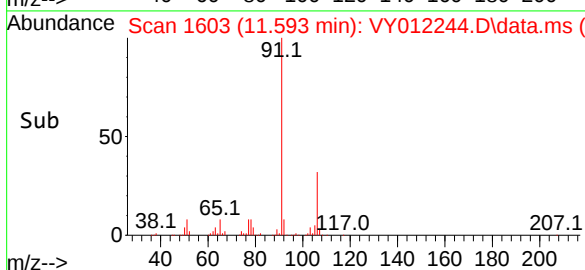
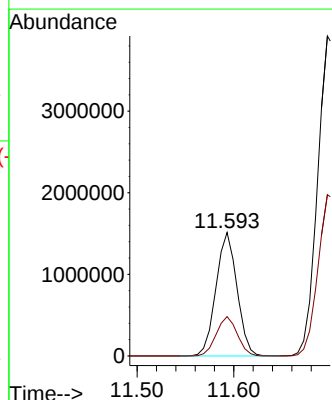
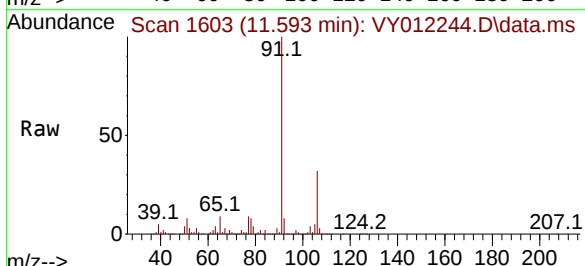
Acq: 18 Jan 2023 14:21

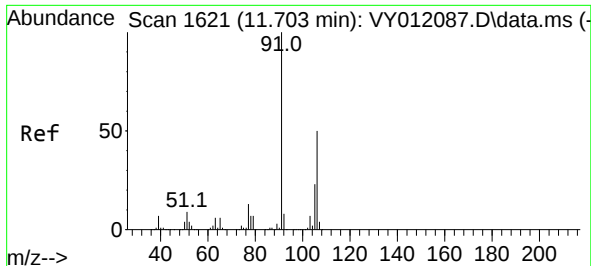
Tgt Ion: 91 Resp: 2279373

Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.4

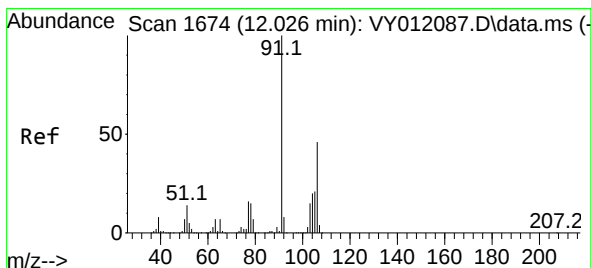
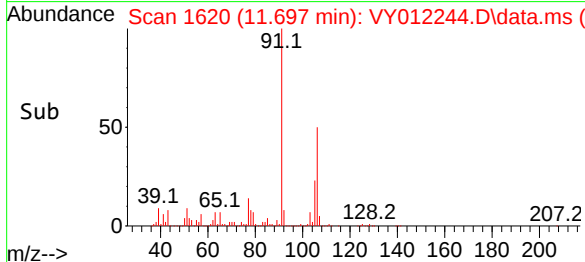
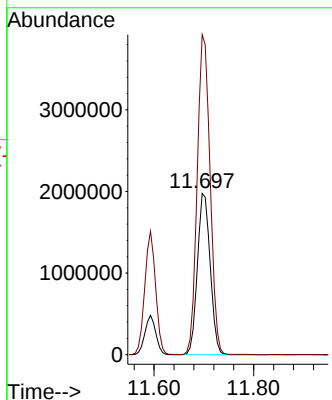
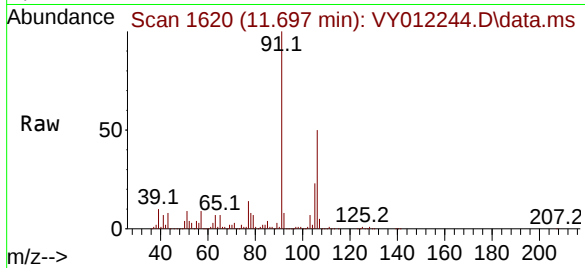




#68
m/p-Xylenes
Concen: 836.451 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

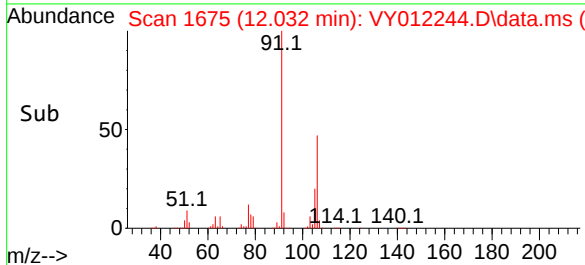
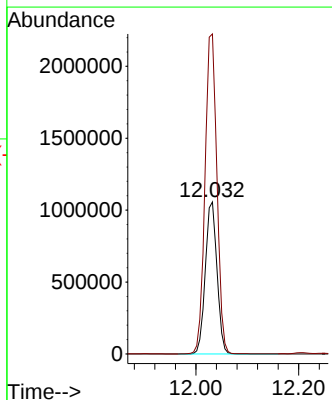
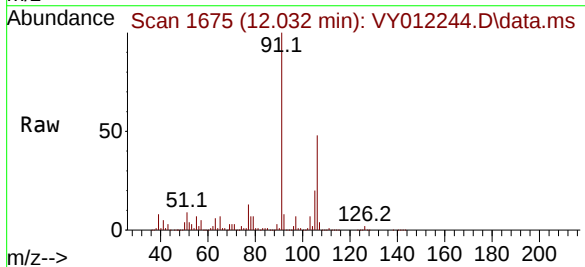
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

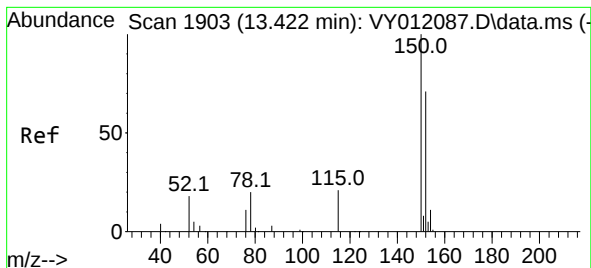
Tgt Ion:106 Resp: 3506871
Ion Ratio Lower Upper
106 100
91 200.1 162.5 243.7



#69
o-Xylene
Concen: 415.129 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

Tgt Ion:106 Resp: 1662397
Ion Ratio Lower Upper
106 100
91 215.2 107.5 322.4

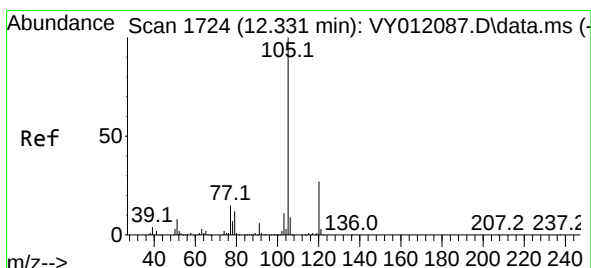
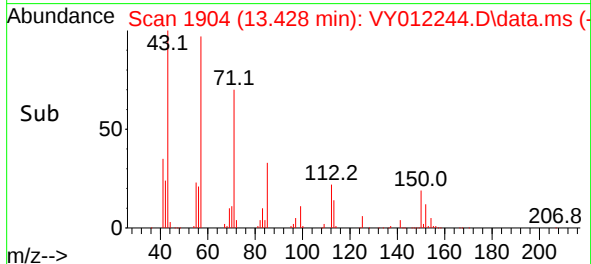
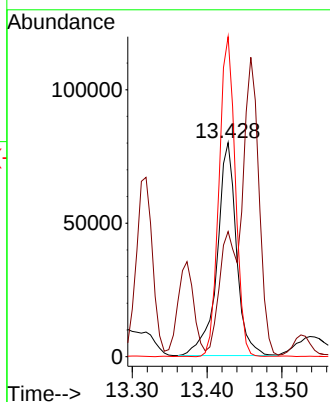
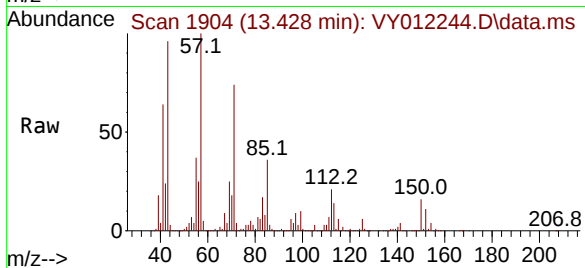




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

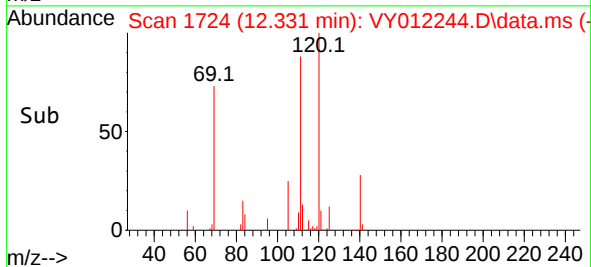
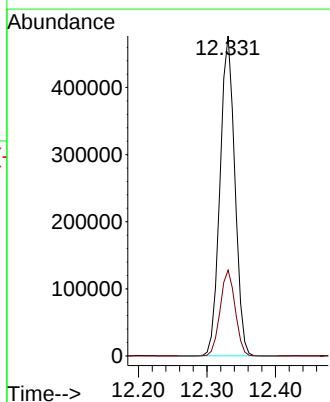
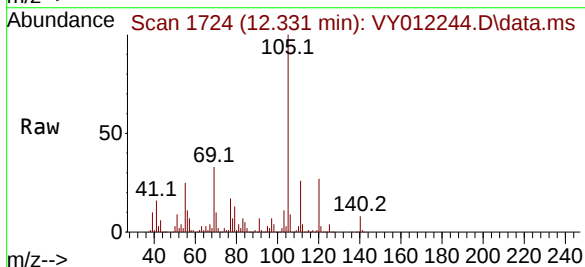
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

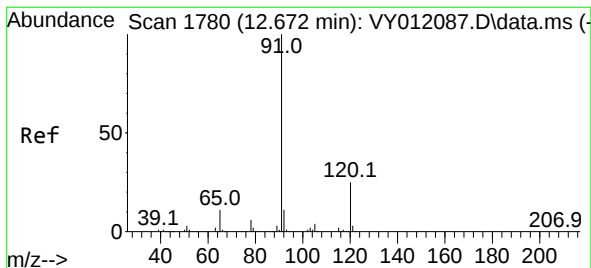
Tgt Ion:152 Resp: 143312
Ion Ratio Lower Upper
152 100
115 51.5 29.1 87.3
150 127.3 0.0 342.6



#73
Isopropylbenzene
Concen: 69.068 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

Tgt Ion:105 Resp: 713760
Ion Ratio Lower Upper
105 100
120 27.0 13.2 39.6





#78

n-propylbenzene

Concen: 200.706 ug/l

RT: 12.672 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012244.D

Acq: 18 Jan 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

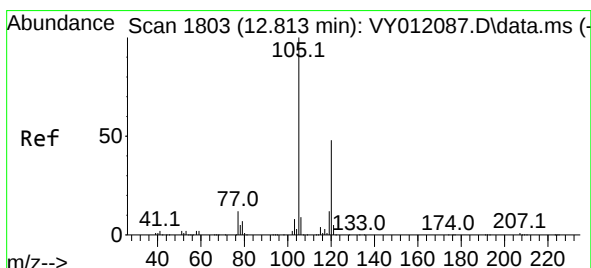
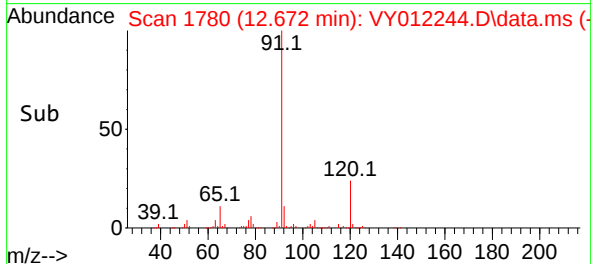
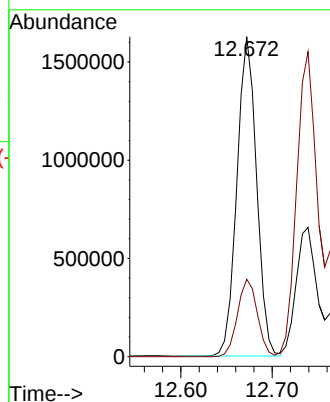
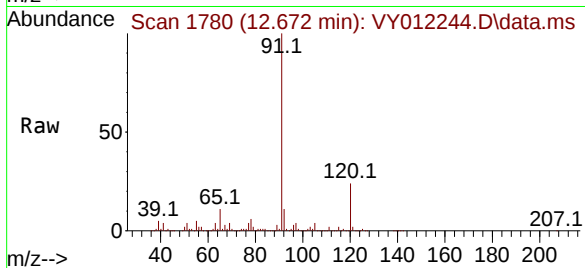
PE-2

Tgt Ion: 91 Resp: 2427090

Ion Ratio Lower Upper

91 100

120 24.4 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 352.387 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.001 min

Lab File: VY012244.D

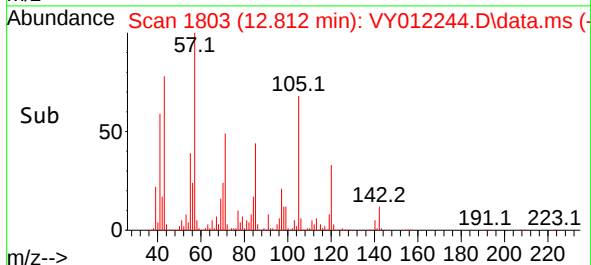
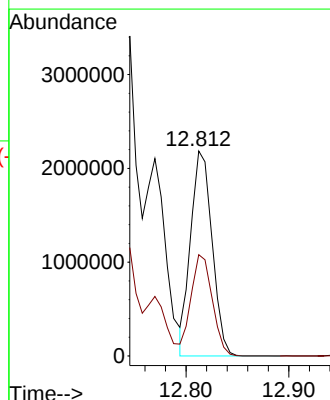
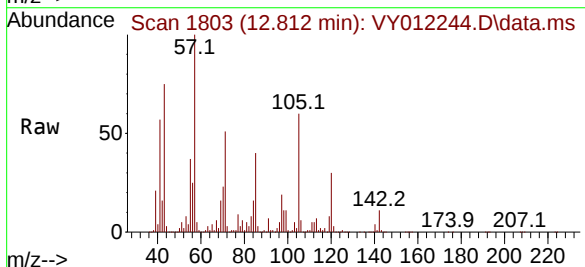
Acq: 18 Jan 2023 14:21

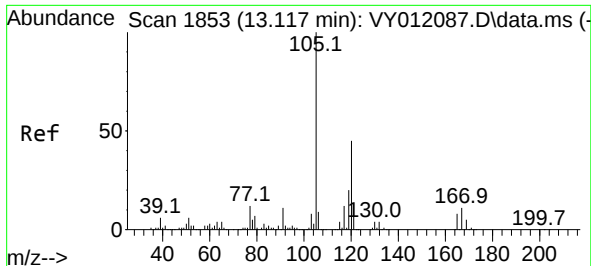
Tgt Ion:105 Resp: 3165700

Ion Ratio Lower Upper

105 100

120 49.0 24.2 72.6

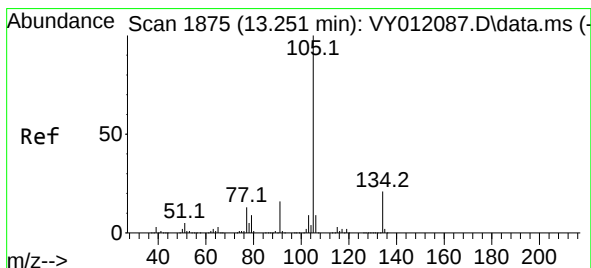
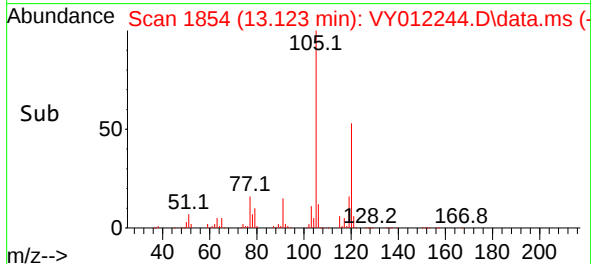
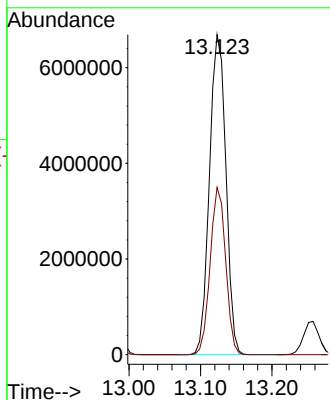
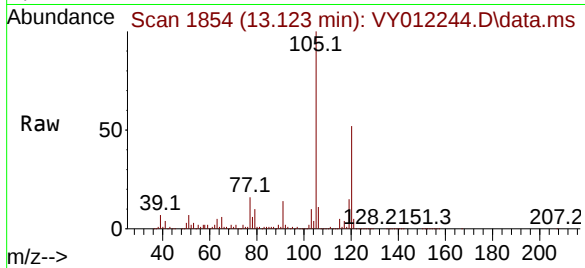




#84
1,2,4-Trimethylbenzene
Concen: 1204.819 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

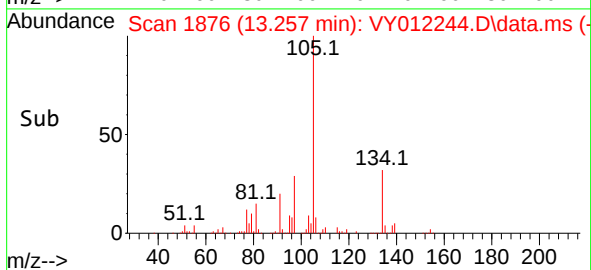
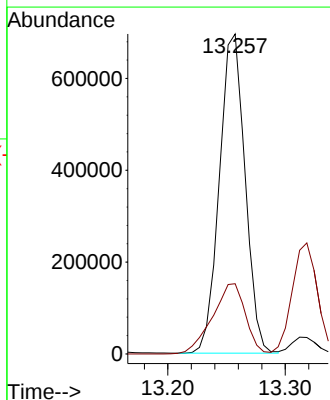
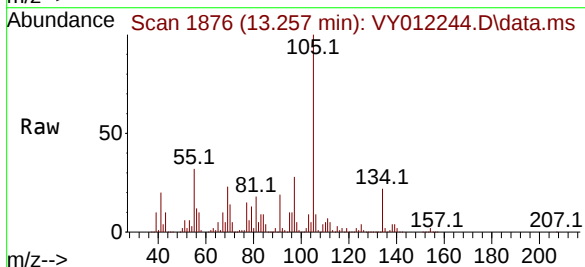
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

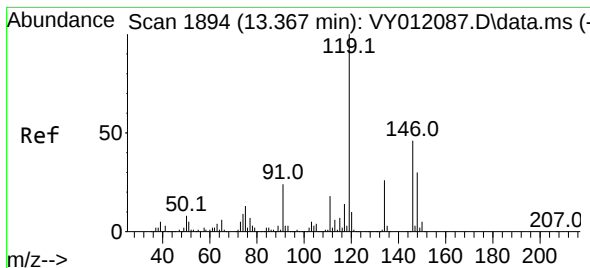
Tgt Ion:105 Resp:10674054
Ion Ratio Lower Upper
105 100
120 49.2 22.9 68.7



#85
sec-Butylbenzene
Concen: 94.739 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

Tgt Ion:105 Resp: 1056128
Ion Ratio Lower Upper
105 100
134 28.4 10.1 30.3

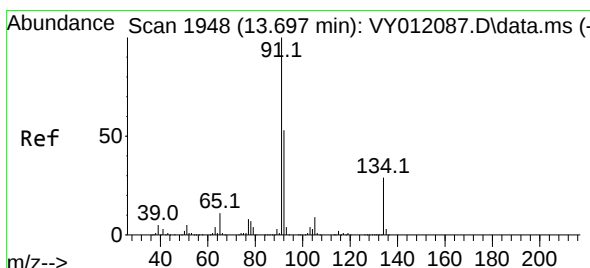
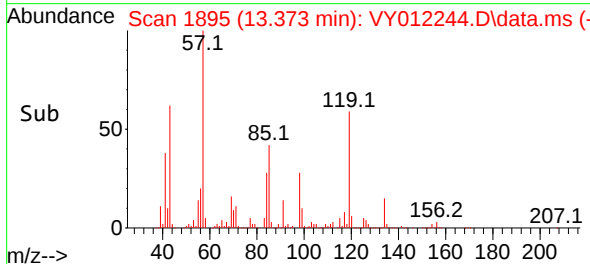
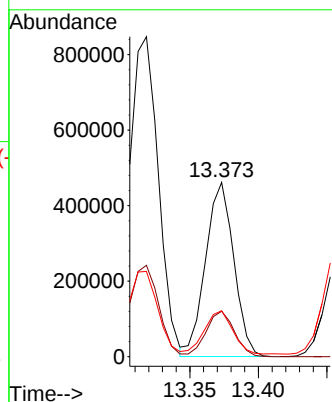
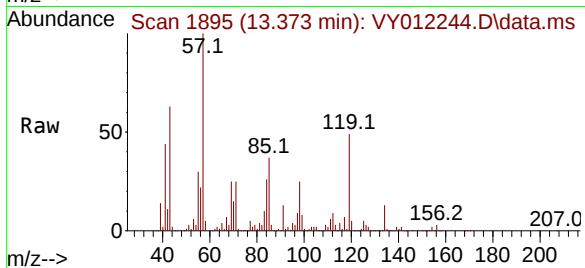




#86
p-Isopropyltoluene
Concen: 67.998 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

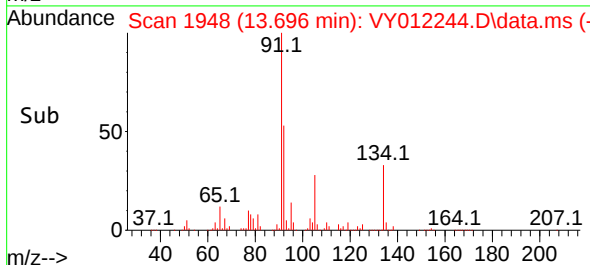
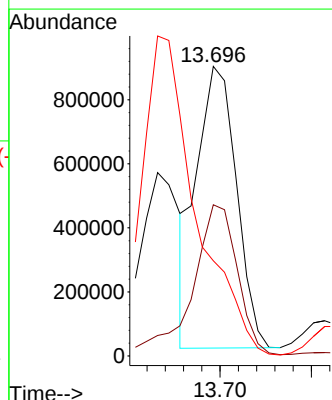
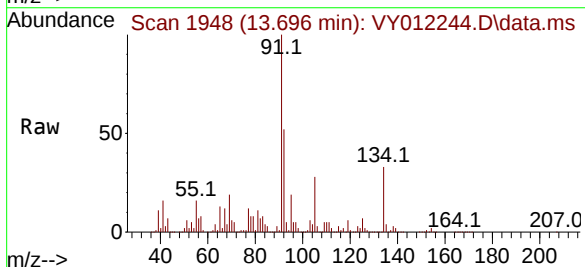
Instrument :
MSVOA_Y
ClientSampleId :
PE-2

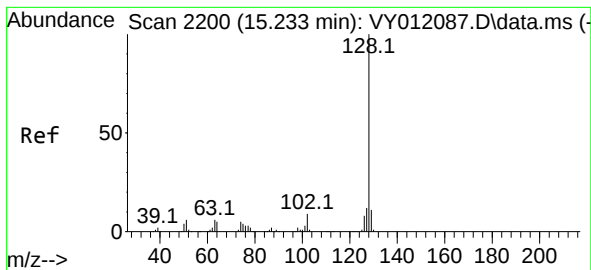
Tgt Ion:119 Resp: 662285
Ion Ratio Lower Upper
119 100
134 26.1 13.0 39.0
91 24.8 11.9 35.9



#89
n-Butylbenzene
Concen: 157.829 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

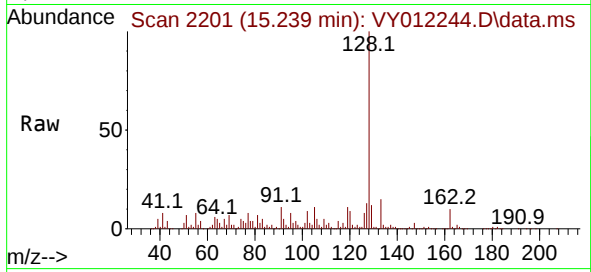
Tgt Ion: 91 Resp: 1332166
Ion Ratio Lower Upper
91 100
92 60.0 26.8 80.4
134 0.0 13.3 39.8#





#95
Naphthalene
Concen: 161.961 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY012244.D
Acq: 18 Jan 2023 14:21

Instrument :
MSVOA_Y
ClientSampleId :
PE-2



Tgt Ion:128 Resp: 903919
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 13.0 8.8 13.2

