

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021099.D
 Acq On : 05 Feb 2025 19:18
 Operator : SY/MD
 Sample : Q1290-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Feb 06 00:58:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

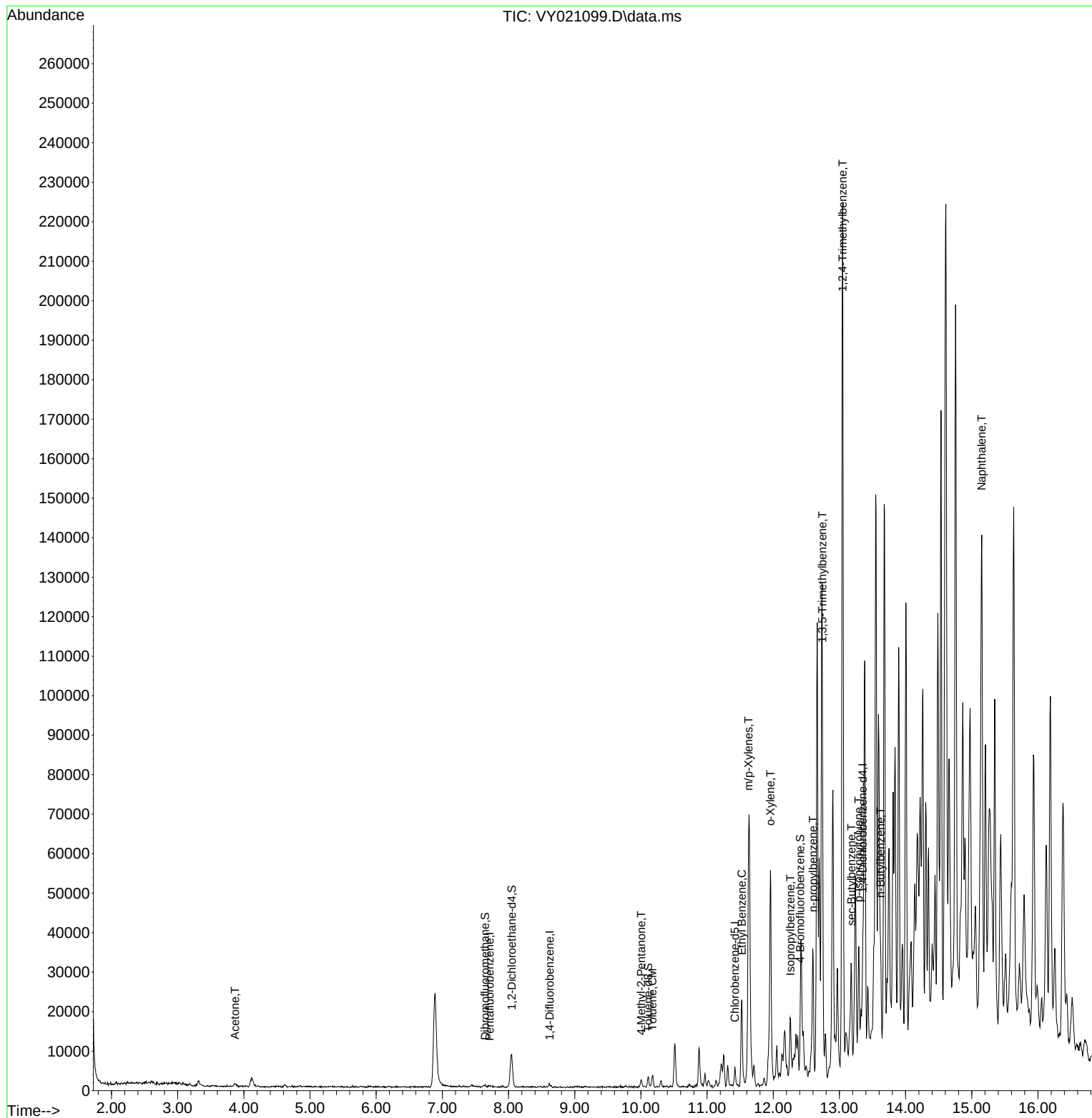
Internal Standards						
1) Pentafluorobenzene	7.713	168	367	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	1226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	2779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	3845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	560	148.928	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 297.860%#	
35) Dibromofluoromethane	7.646	113	388	49.383	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.760%	
50) Toluene-d8	10.109	98	1626	54.359	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.720%	
62) 4-Bromofluorobenzene	12.407	95	2446	250.302	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 500.600%#	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1628	2776.280	ug/l	99
51) 4-Methyl-2-Pentanone	10.005	43	1431	280.517	ug/l	96
52) Toluene	10.176	92	1333	62.161	ug/l	91
67) Ethyl Benzene	11.524	91	14213	129.861	ug/l	98
68) m/p-Xylenes	11.627	106	17098	417.591	ug/l	94
69) o-Xylene	11.956	106	12703	332.771	ug/l	95
73) Isopropylbenzene	12.261	105	8338	27.761	ug/l	97
78) n-propylbenzene	12.603	91	23507	65.701	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	24755	101.657	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	111675	469.026	ug/l	99
85) sec-Butylbenzene	13.182	105	13043	40.936	ug/l	88
86) p-Isopropyltoluene	13.291	119	7173	27.102	ug/l	96
89) n-Butylbenzene	13.621	91	11873	49.174	ug/l #	79
95) Naphthalene	15.151	128	88091	851.607	ug/l	98

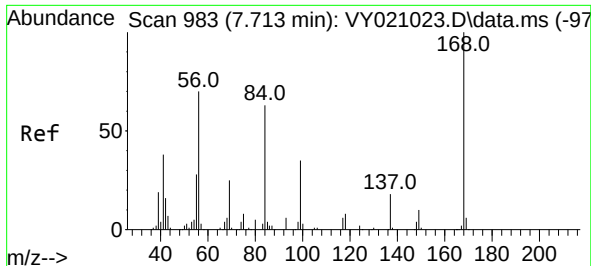
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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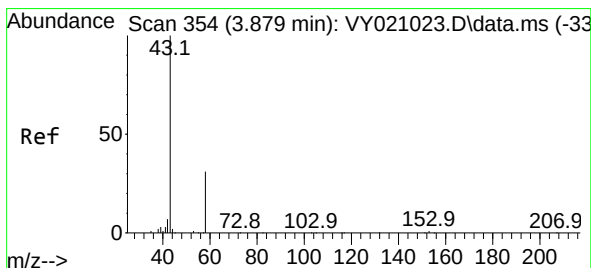
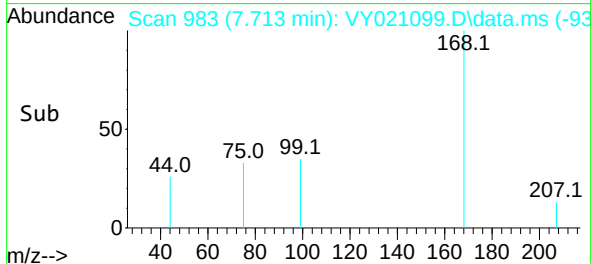
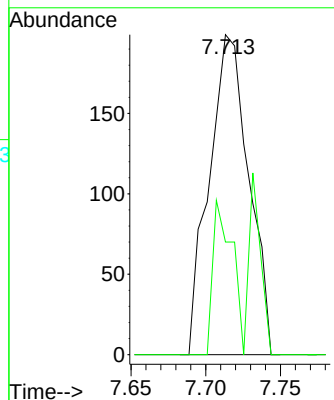
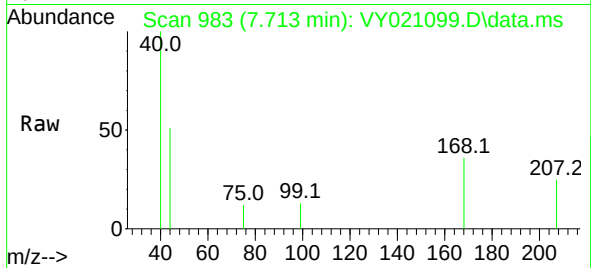




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

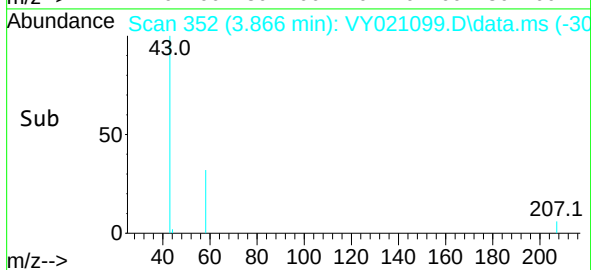
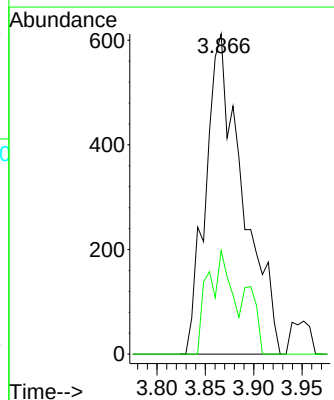
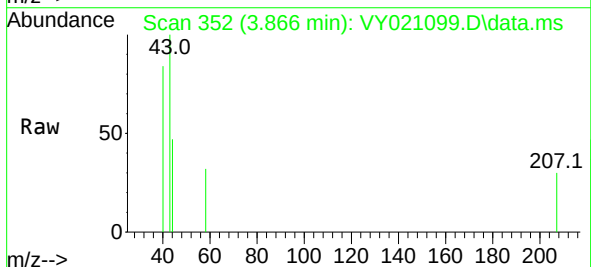
Instrument :
MSVOA_Y
ClientSampleId :
VOC

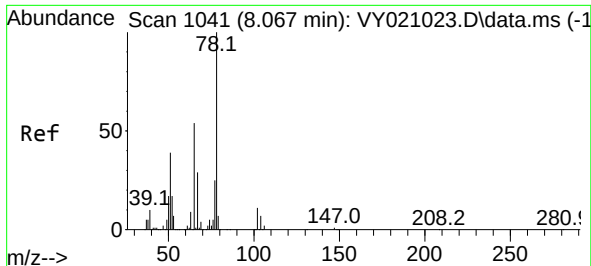
Tgt Ion:168 Resp: 367
Ion Ratio Lower Upper
168 100
99 35.2 44.2 66.4#



#16
Acetone
Concen: 2776.280 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

Tgt Ion: 43 Resp: 1628
Ion Ratio Lower Upper
43 100
58 32.4 26.6 39.8





#33

1,2-Dichloroethane-d4

Concen: 148.928 ug/l

RT: 8.049 min Scan# 110

Delta R.T. -0.019 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA_Y

ClientSampleId :

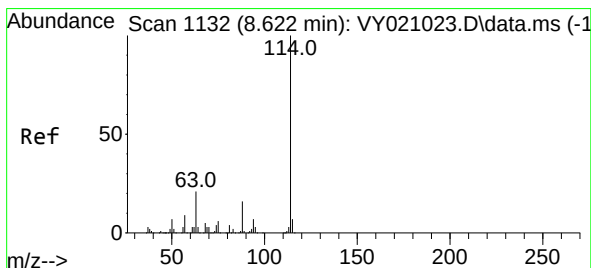
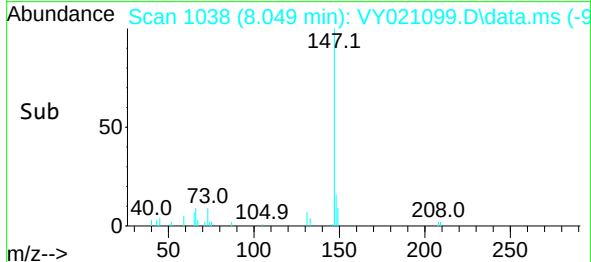
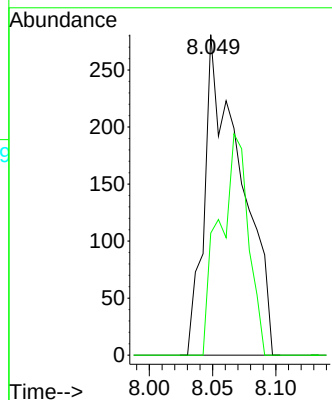
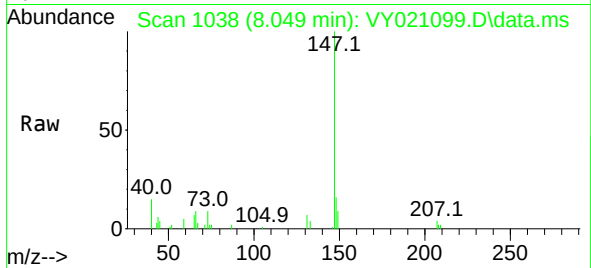
VOC

Tgt Ion: 65 Resp: 560

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

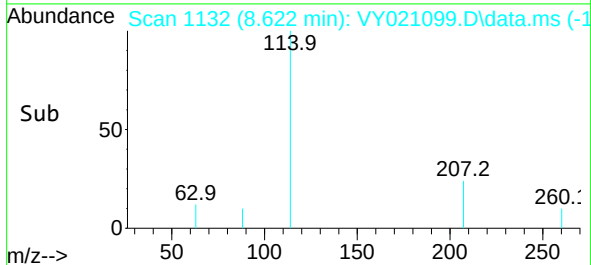
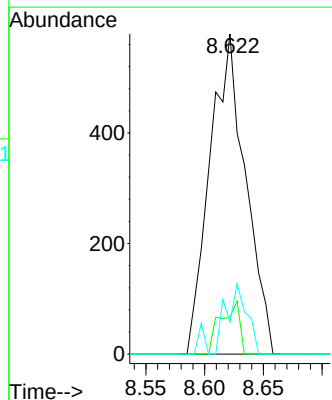
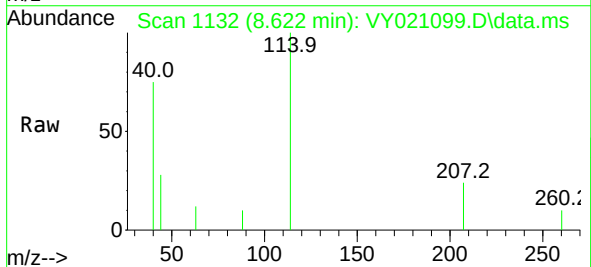
Tgt Ion:114 Resp: 1226

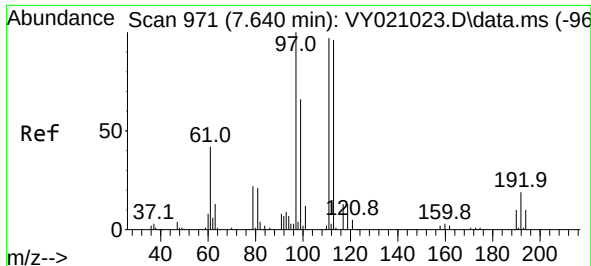
Ion Ratio Lower Upper

114 100

63 11.6 0.0 37.4

88 10.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.383 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA_Y

ClientSampleId :

VOC

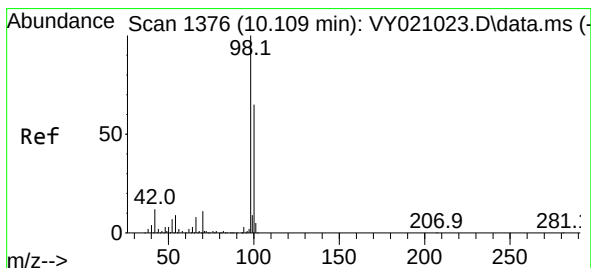
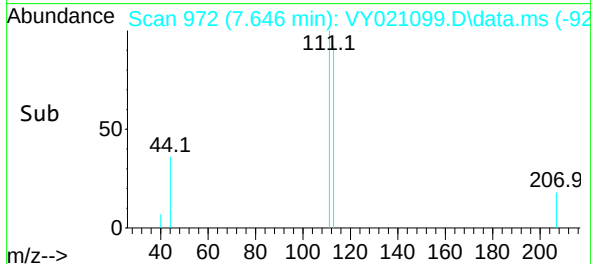
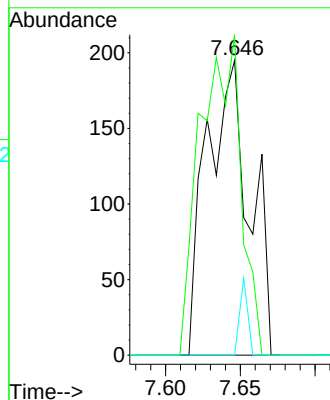
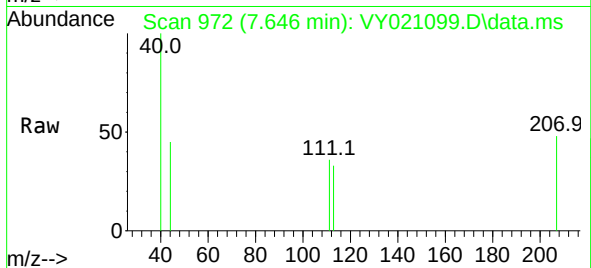
Tgt Ion:113 Resp: 388

Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 4.9 14.5 21.7#



#50

Toluene-d8

Concen: 54.359 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021099.D

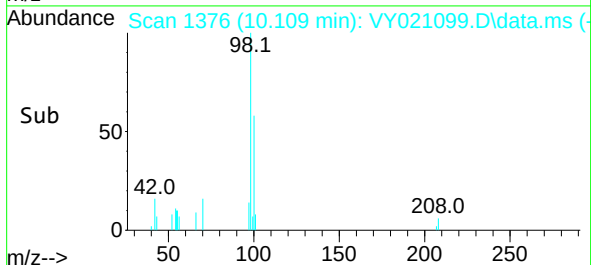
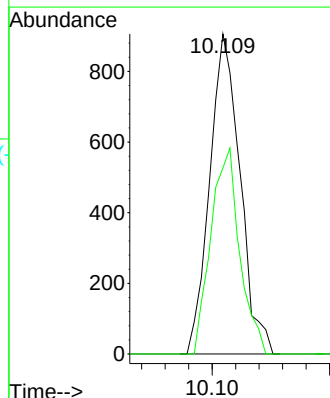
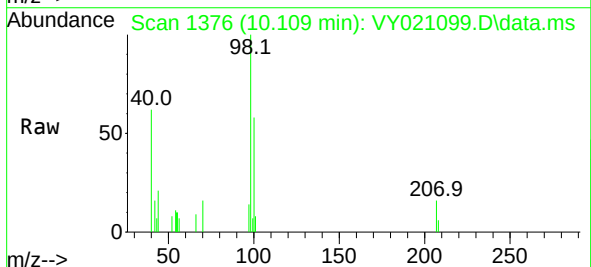
Acq: 05 Feb 2025 19:18

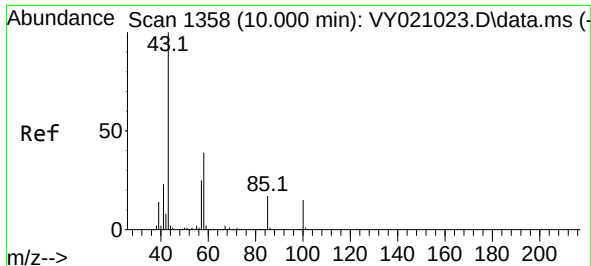
Tgt Ion: 98 Resp: 1626

Ion Ratio Lower Upper

98 100

100 60.8 52.3 78.5

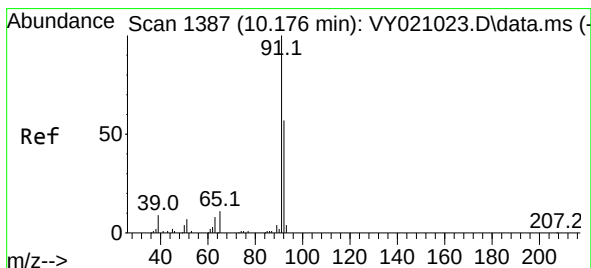
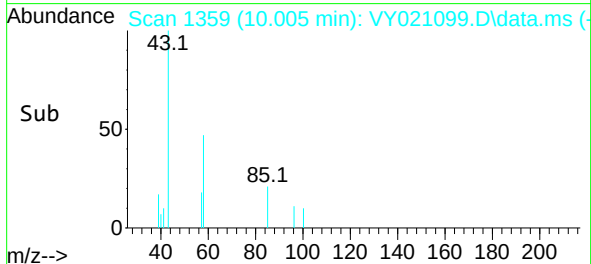
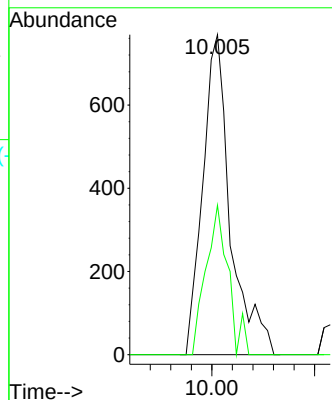
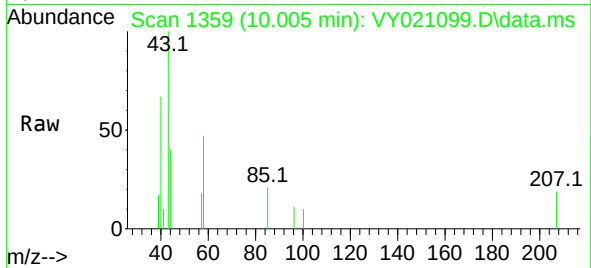




#51
4-Methyl-2-Pentanone
Concen: 280.517 ug/l
RT: 10.005 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

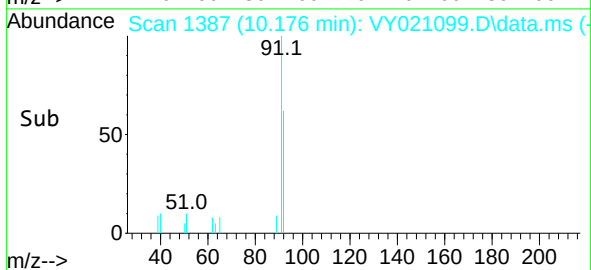
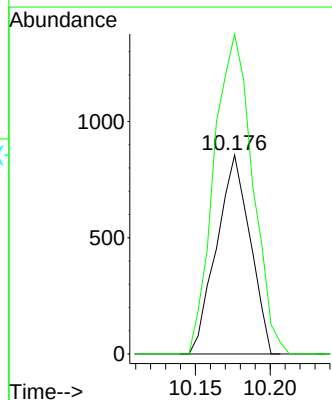
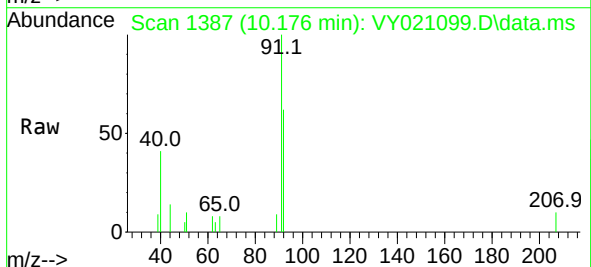
Instrument :
MSVOA_Y
ClientSampleId :
VOC

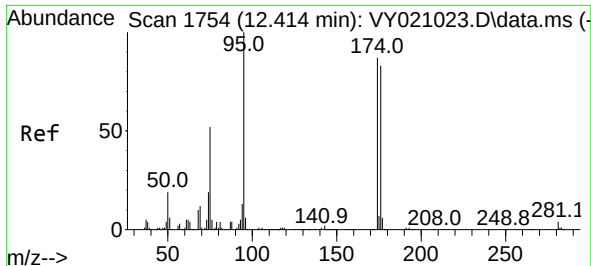
Tgt Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
58 37.8 32.2 48.2



#52
Toluene
Concen: 62.161 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

Tgt Ion: 92 Resp: 1333
Ion Ratio Lower Upper
92 100
91 185.0 137.6 206.4

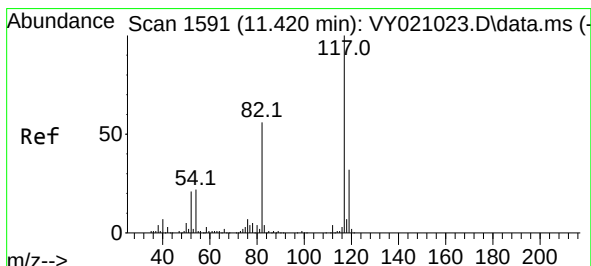
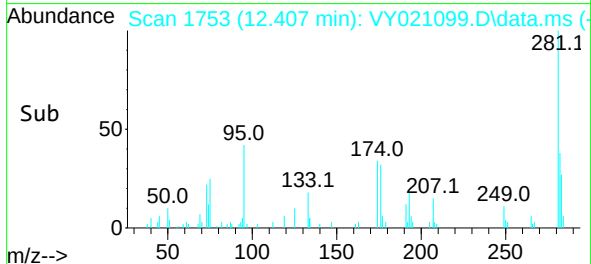
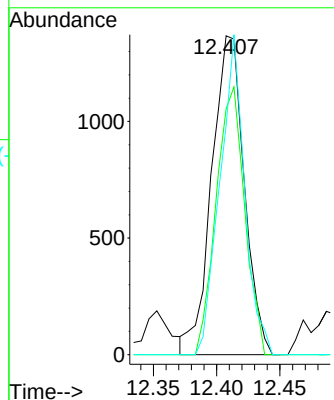
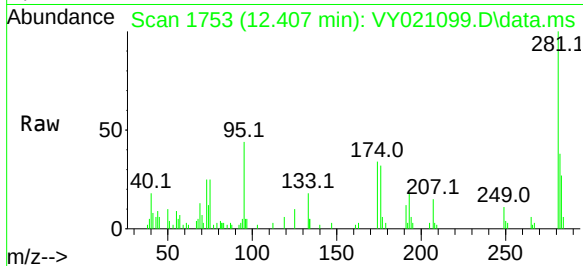




#62
4-Bromofluorobenzene
Concen: 250.302 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

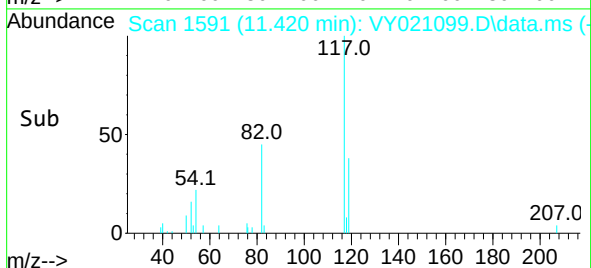
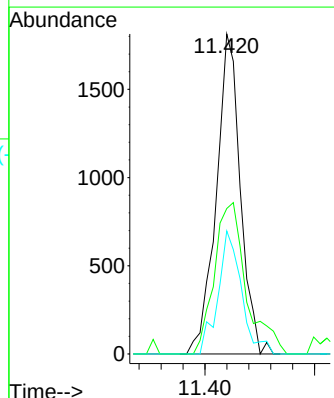
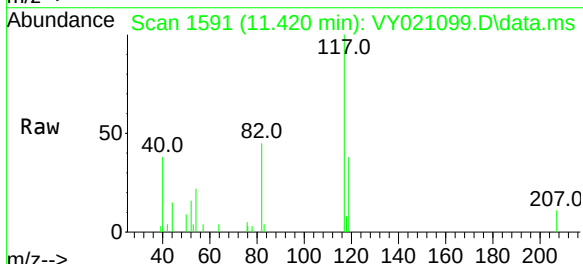
Instrument :
MSVOA_Y
ClientSampleId :
VOC

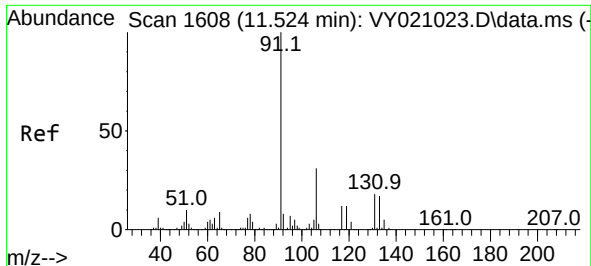
Tgt Ion:	95	Resp:	2446
Ion Ratio	Lower	Upper	
95	100		
174	73.6	0.0	160.0
176	76.4	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

Tgt Ion:	117	Resp:	2779
Ion Ratio	Lower	Upper	
117	100		
82	45.5	43.8	65.8
119	38.5	26.5	39.7





#67

Ethyl Benzene

Concen: 129.861 ug/l

RT: 11.524 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA_Y

ClientSampleId :

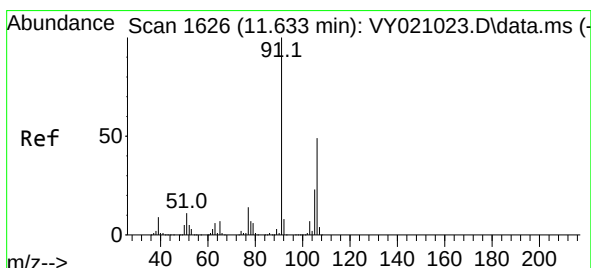
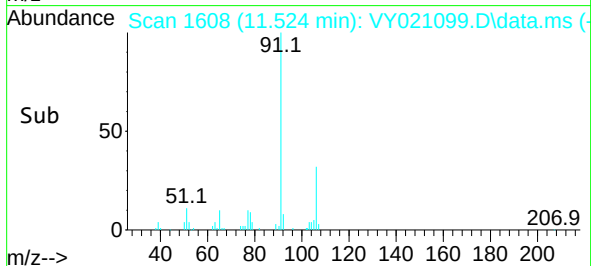
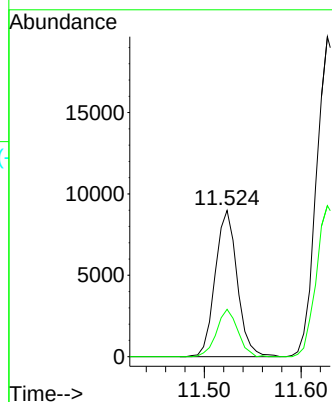
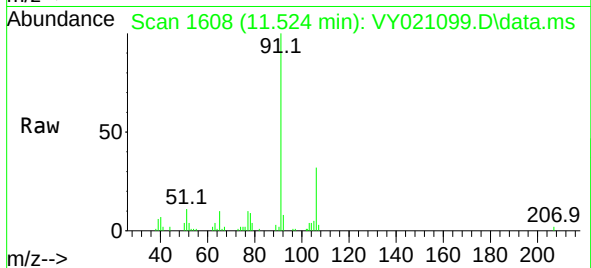
VOC

Tgt Ion: 91 Resp: 14213

Ion Ratio Lower Upper

91 100

106 32.4 25.0 37.4



#68

m/p-Xylenes

Concen: 417.591 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY021099.D

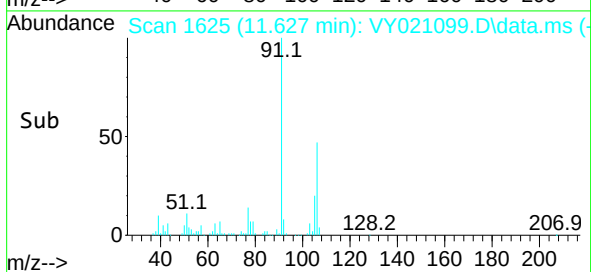
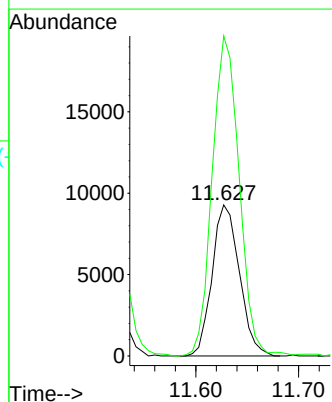
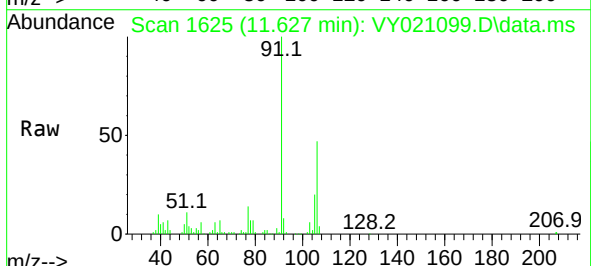
Acq: 05 Feb 2025 19:18

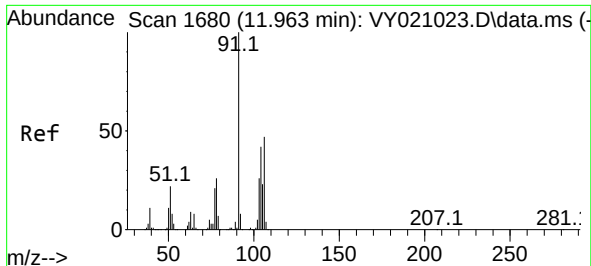
Tgt Ion:106 Resp: 17098

Ion Ratio Lower Upper

106 100

91 209.6 160.7 241.1

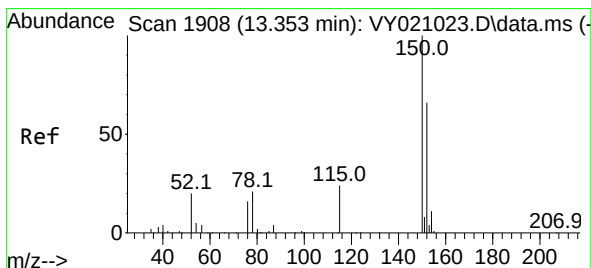
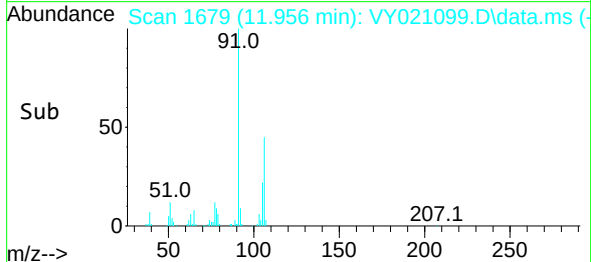
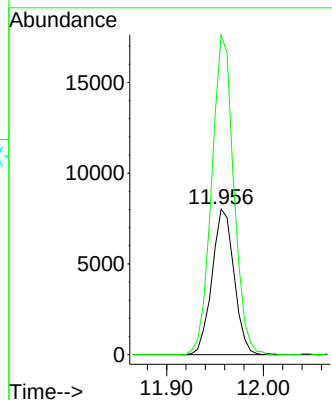
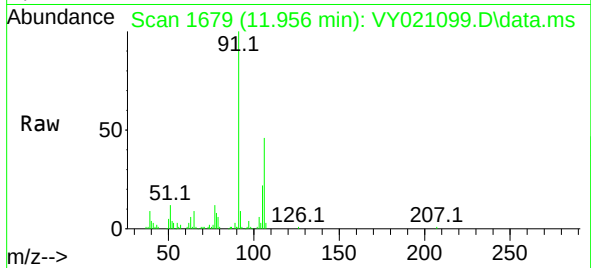




#69
o-Xylene
Concen: 332.771 ug/l
RT: 11.956 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

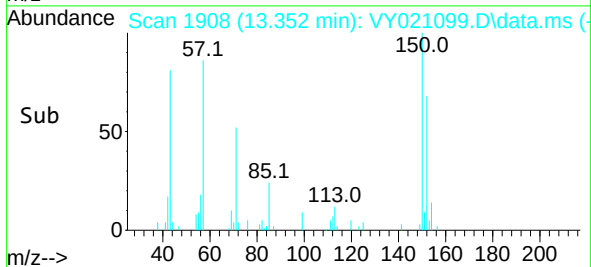
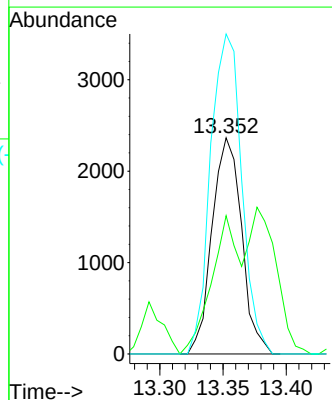
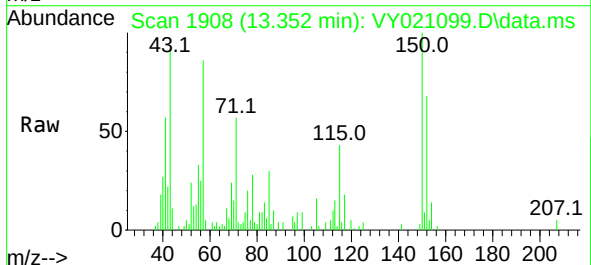
Instrument :
MSVOA_Y
ClientSampleId :
VOC

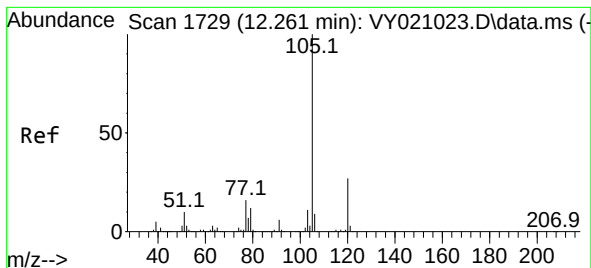
Tgt Ion:106 Resp: 12703
Ion Ratio Lower Upper
106 100
91 220.2 106.5 319.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

Tgt Ion:152 Resp: 3845
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.0
150 155.8 0.0 344.6





#73

Isopropylbenzene

Concen: 27.761 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. -0.000 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA_Y

ClientSampleId :

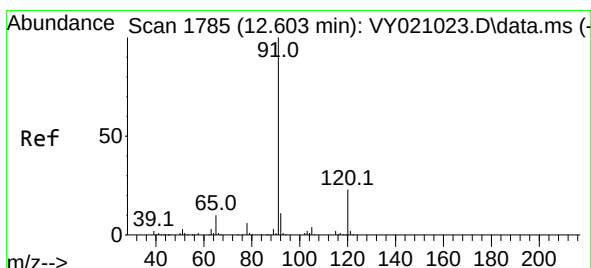
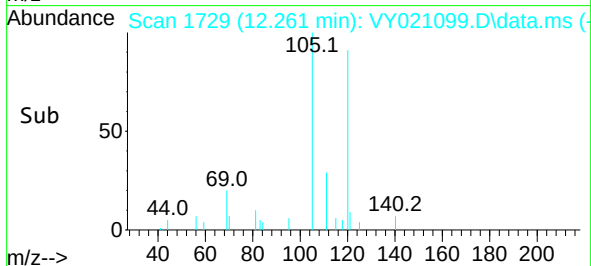
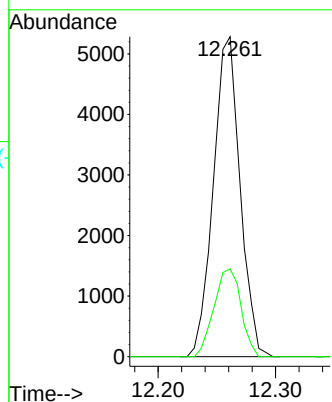
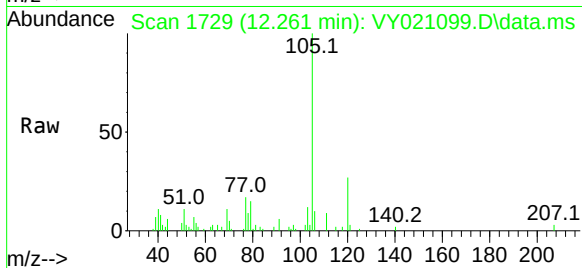
VOC

Tgt Ion:105 Resp: 8338

Ion Ratio Lower Upper

105 100

120 27.6 13.0 39.0



#78

n-propylbenzene

Concen: 65.701 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VY021099.D

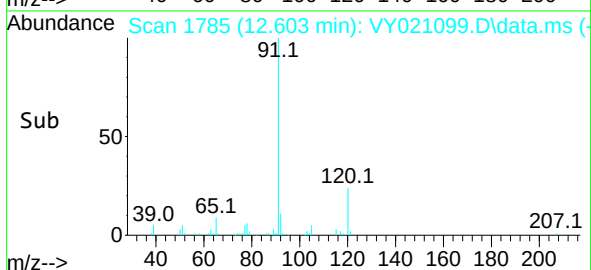
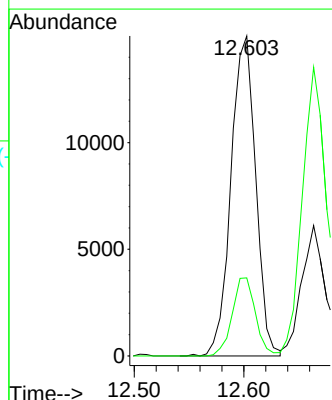
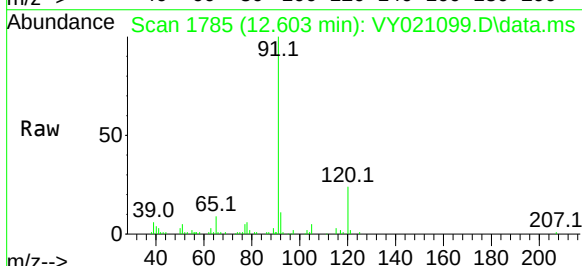
Acq: 05 Feb 2025 19:18

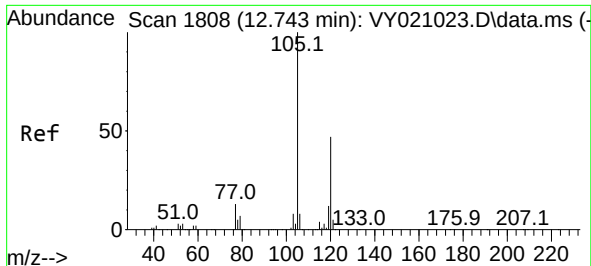
Tgt Ion: 91 Resp: 23507

Ion Ratio Lower Upper

91 100

120 22.9 11.0 33.0

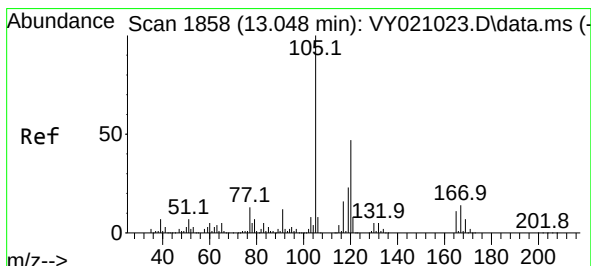
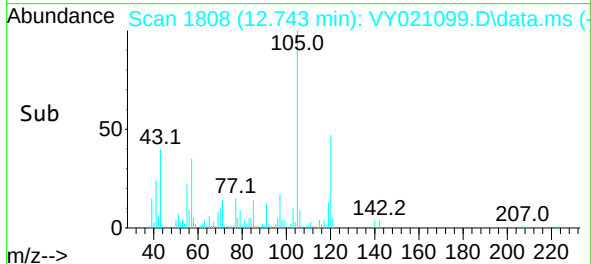
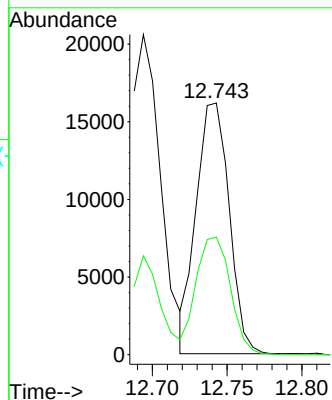
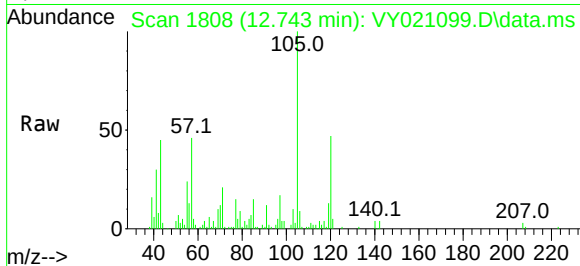




#80
1,3,5-Trimethylbenzene
Concen: 101.657 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

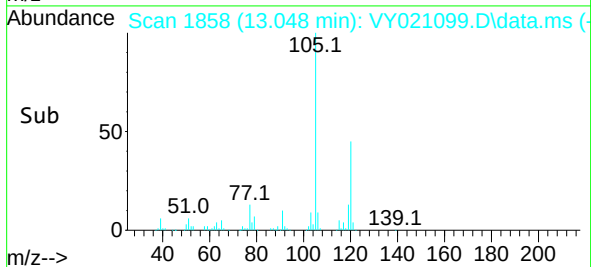
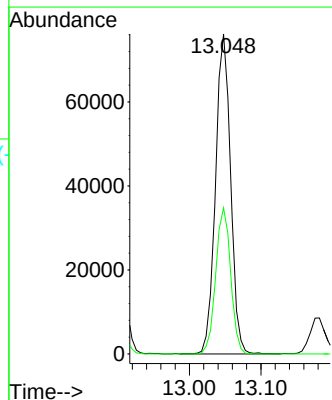
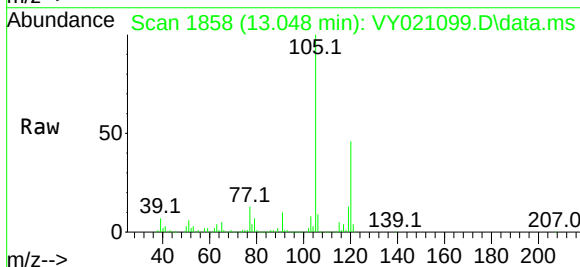
Instrument :
MSVOA_Y
ClientSampleId :
VOC

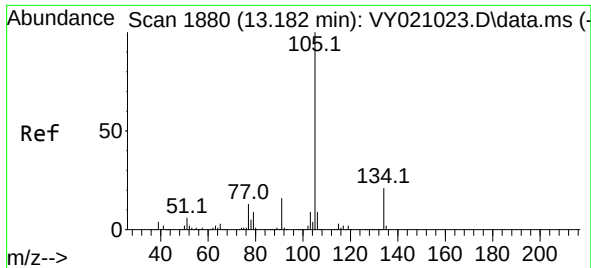
Tgt Ion:105 Resp: 24755
Ion Ratio Lower Upper
105 100
120 49.1 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 469.026 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

Tgt Ion:105 Resp: 111675
Ion Ratio Lower Upper
105 100
120 45.0 22.1 66.3

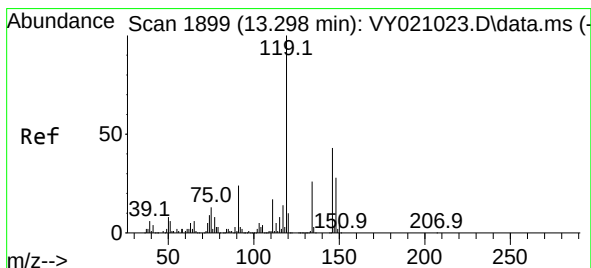
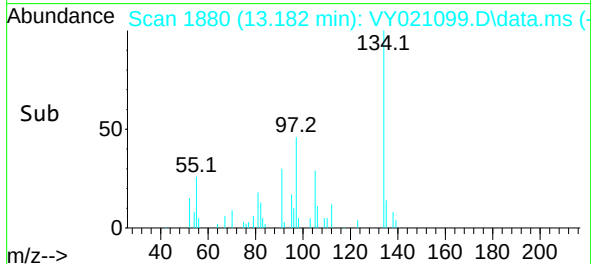
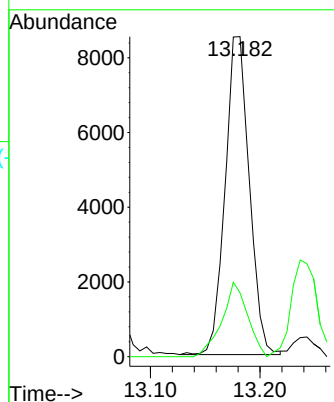
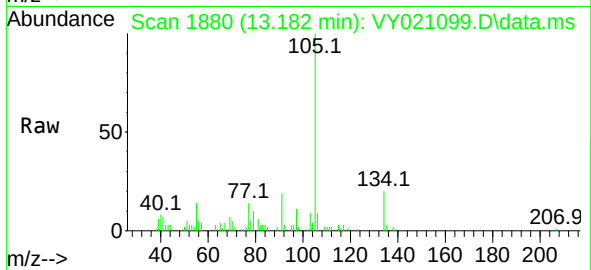




#85
 sec-Butylbenzene
 Concen: 40.936 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. -0.000 min
 Lab File: VY021099.D
 Acq: 05 Feb 2025 19:18

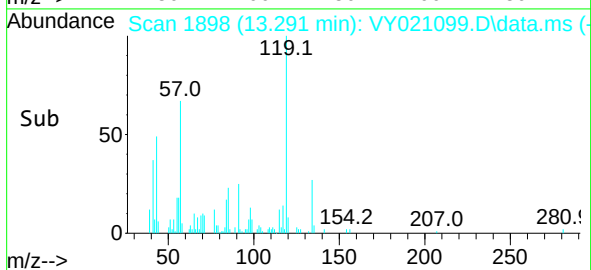
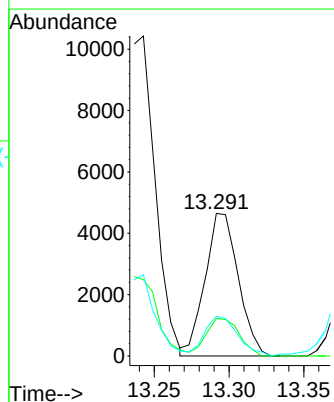
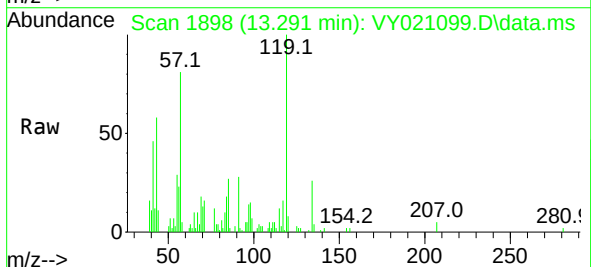
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

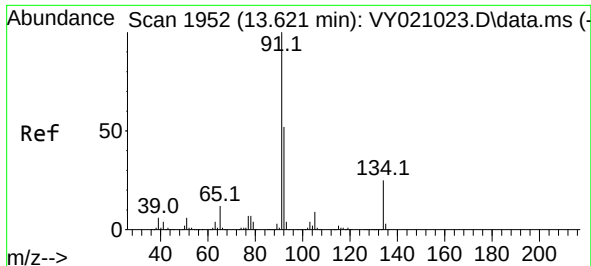
Tgt Ion:105 Resp: 13043
 Ion Ratio Lower Upper
 105 100
 134 24.8 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 27.102 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.006 min
 Lab File: VY021099.D
 Acq: 05 Feb 2025 19:18

Tgt Ion:119 Resp: 7173
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 27.5 11.7 35.0

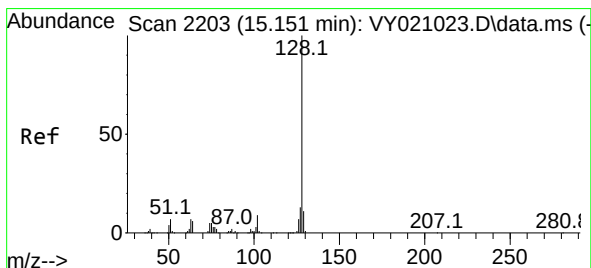
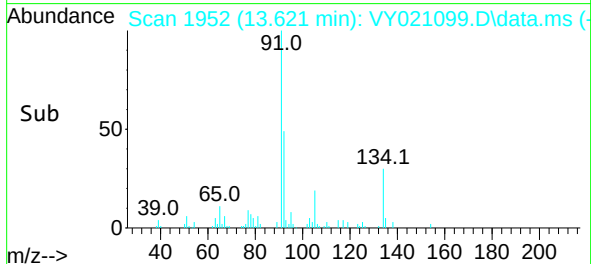
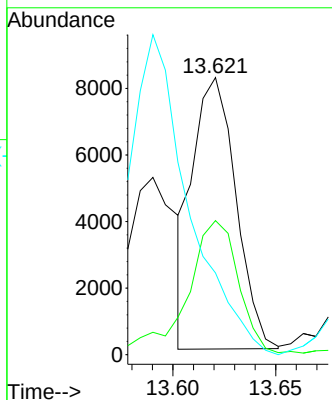
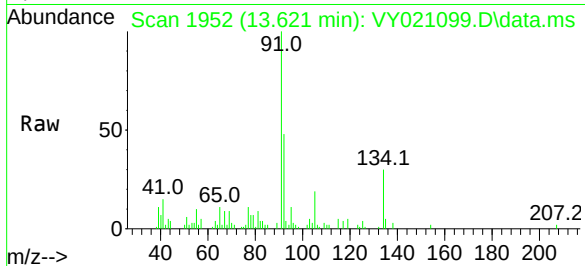




#89
n-Butylbenzene
Concen: 49.174 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 91 Resp: 11873
Ion Ratio Lower Upper
91 100
92 58.1 26.4 79.2
134 0.0 12.3 36.8#



#95
Naphthalene
Concen: 851.607 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021099.D
Acq: 05 Feb 2025 19:18

Tgt Ion: 128 Resp: 88091
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 12.0 8.6 12.8

