

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014995.D
 Acq On : 08 Aug 2023 19:08
 Operator : SY/MD
 Sample : 03931-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DAYTON-SOIL1

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/09/2023
 Supervised By :Semsettin Yesilyurt 08/09/2023

Quant Time: Aug 09 01:05:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	262540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	447811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	451072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	234380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	175323	55.097	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.200%			
35) Dibromofluoromethane	7.716	113	145130	50.680	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.360%			
50) Toluene-d8	10.179	98	547386	50.220	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.477	95	226906	58.737	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.480%			
Target Compounds						
					Qvalue	
31) Cyclohexane	7.777	56	20441	2.902	ug/l #	79
39) Methylcyclohexane	9.185	83	43713	10.339	ug/l	99
67) Ethyl Benzene	11.593	91	367509	24.466	ug/l	98
68) m/p-Xylenes	11.697	106	431981	75.176	ug/l	97
69) o-Xylene	12.032	106	7124	1.267	ug/l	93
73) Isopropylbenzene	12.331	105	100354	6.369	ug/l	99
78) n-propylbenzene	12.672	91	663230	35.195	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1009578	77.758	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	3882048	298.430	ug/l	97
85) sec-Butylbenzene	13.251	105	86861m	4.983	ug/l	
86) p-Isopropyltoluene	13.367	119	37706m	2.613	ug/l	
89) n-Butylbenzene	13.696	91	185438	13.678	ug/l #	72

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

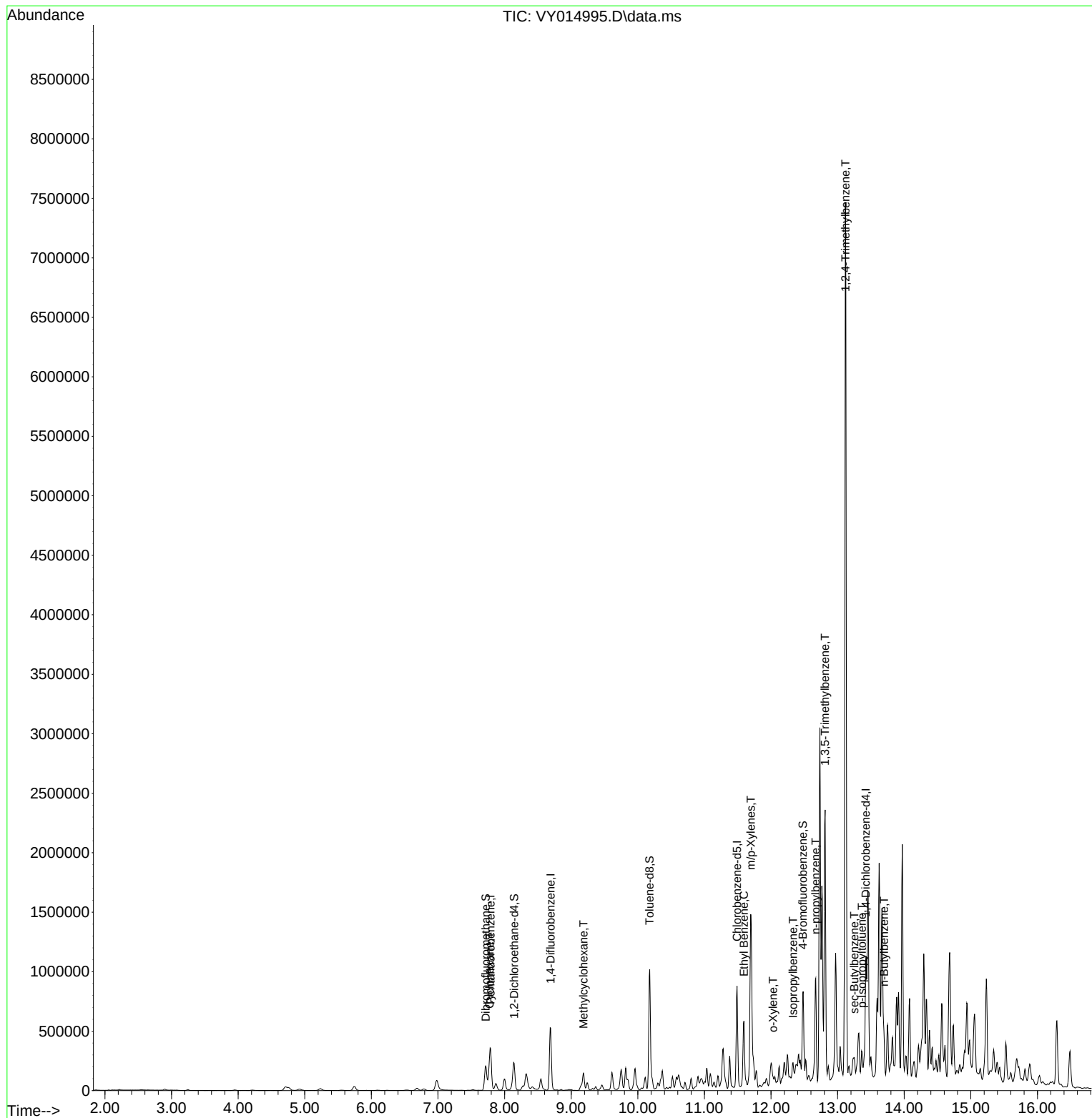
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
Data File : VY014995.D
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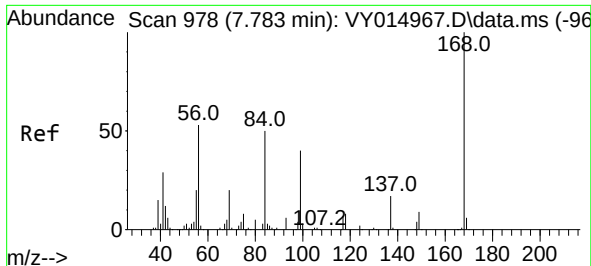
Instrument :
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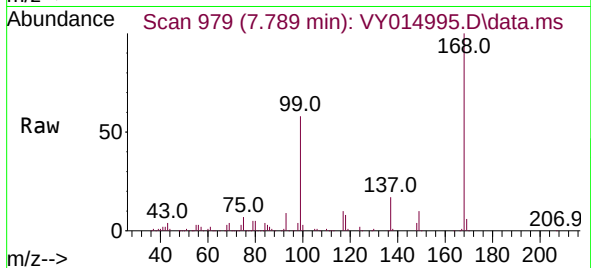
Quant Time: Aug 09 01:05:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

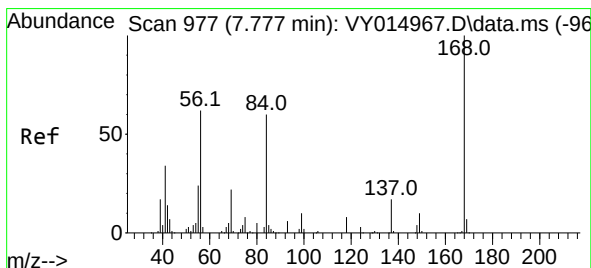
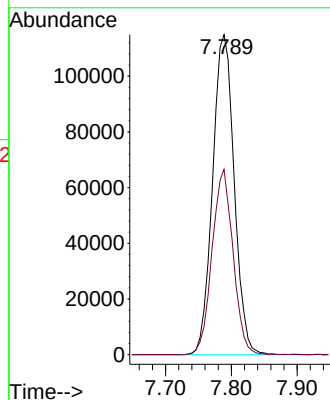
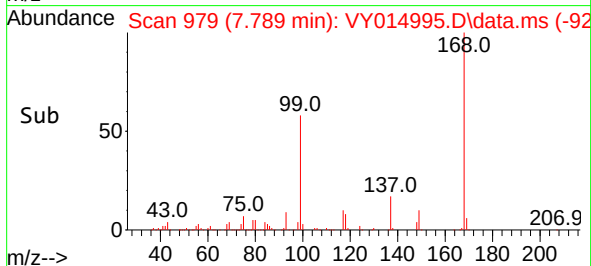
Instrument :
MSVOA_Y
ClientSampleId :
DAYTON-SOIL1



Tgt Ion:168 Resp: 262540
Ion Ratio Lower Upper
168 100
99 57.9 43.4 65.0

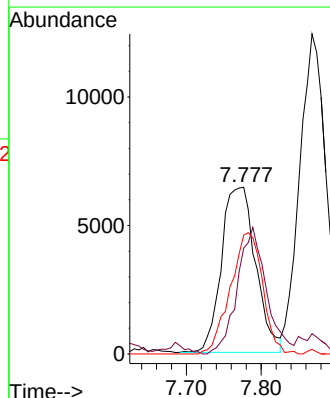
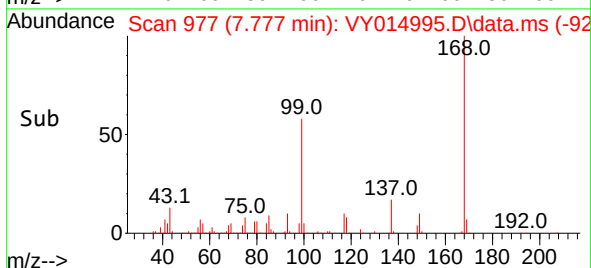
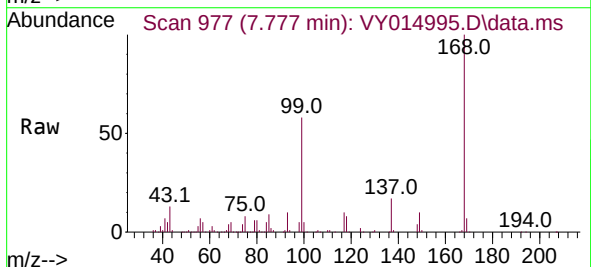
Manual Integrations
APPROVED

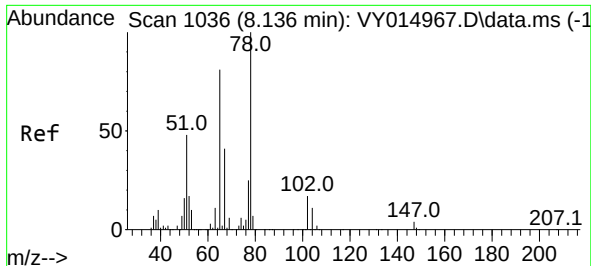
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#31
Cyclohexane
Concen: 2.902 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

Tgt Ion: 56 Resp: 20441
Ion Ratio Lower Upper
56 100
69 59.1 27.8 41.6#
84 72.1 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 55.097 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY014995.D

Acq: 08 Aug 2023 19:08

Instrument :

MSVOA_Y

ClientSampleId :

DAYTON-SOIL1

Tgt Ion: 65 Resp: 17532

Ion Ratio Lower Upper

65 100

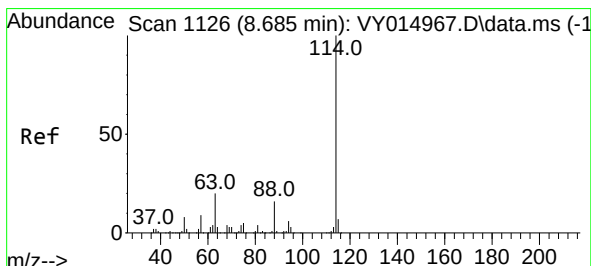
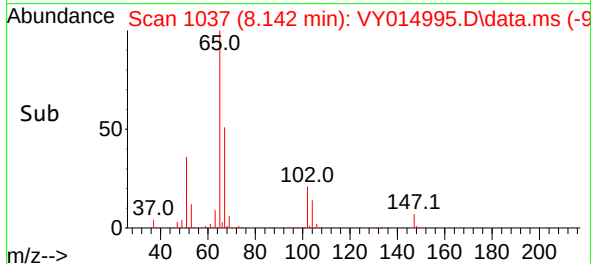
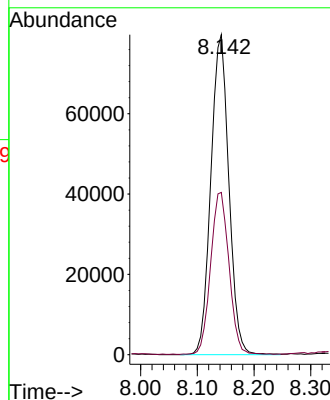
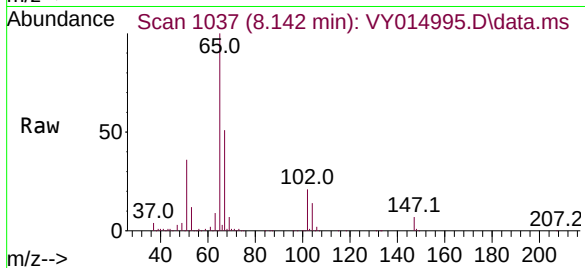
67 51.8 0.0 101.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014995.D

Acq: 08 Aug 2023 19:08

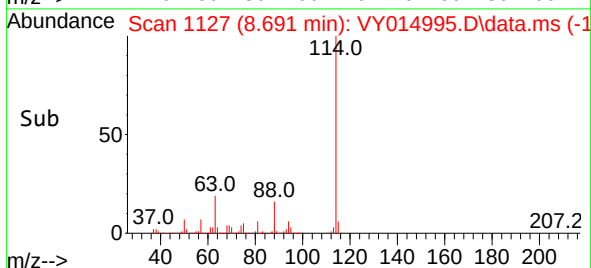
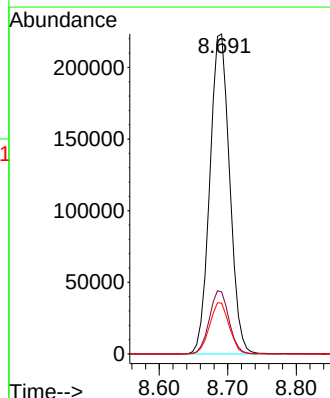
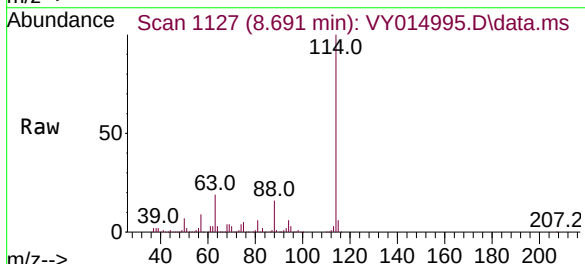
Tgt Ion:114 Resp: 447811

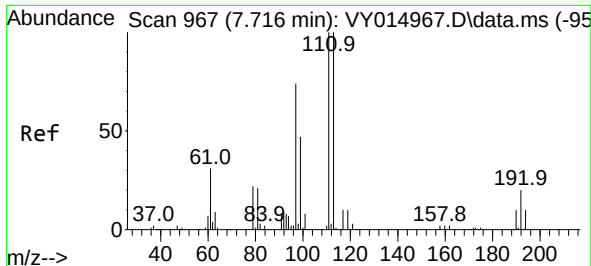
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

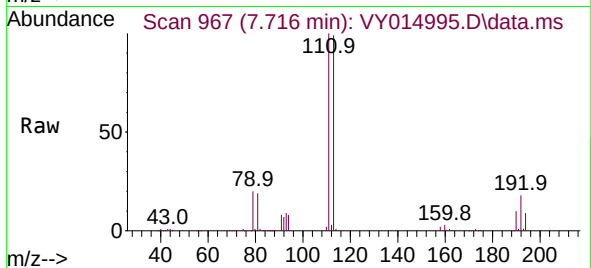
88 15.9 0.0 30.6





#35
Dibromofluoromethane
Concen: 50.680 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

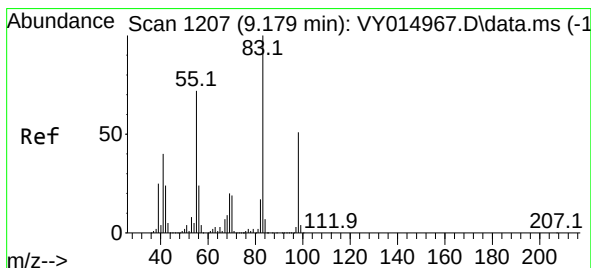
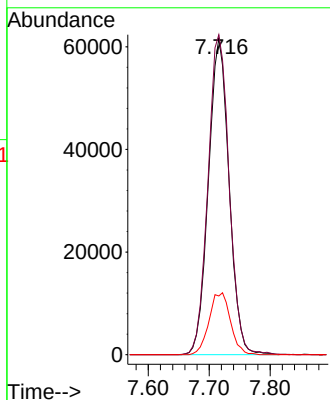
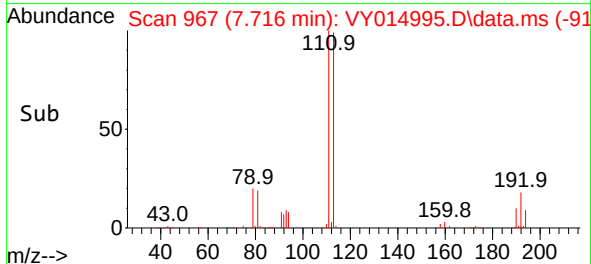
Instrument :
MSVOA_Y
ClientSampleId :
DAYTON-SOIL1



Tgt Ion: 113 Resp: 145130
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 20.3 16.9 25.3

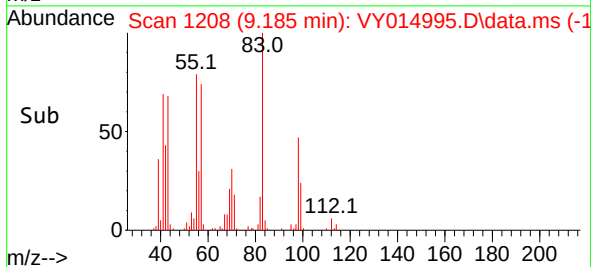
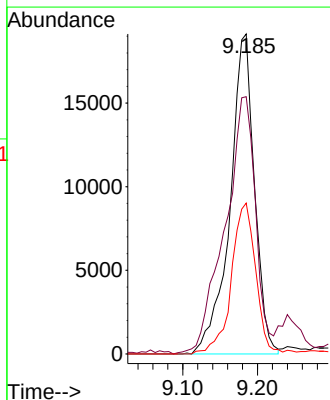
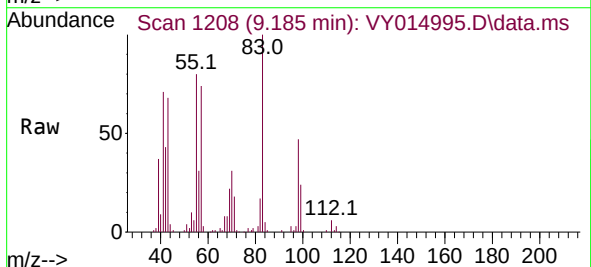
Manual Integrations
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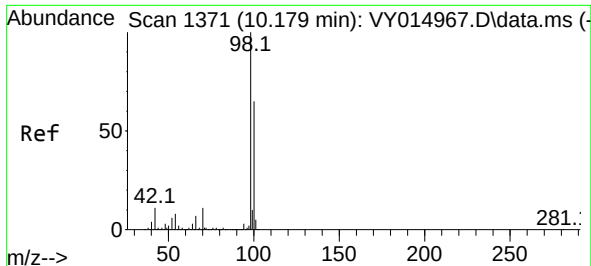
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#39
Methylcyclohexane
Concen: 10.339 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

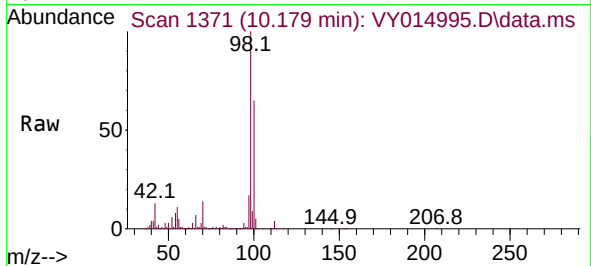
Tgt Ion: 83 Resp: 43713
Ion Ratio Lower Upper
83 100
55 80.0 63.0 94.4
98 47.1 37.4 56.2





#50
Toluene-d8
Concen: 50.220 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

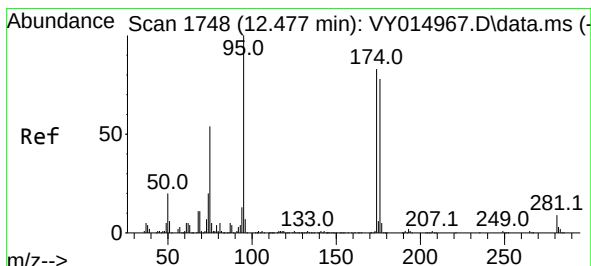
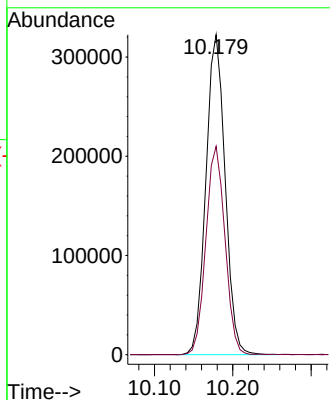
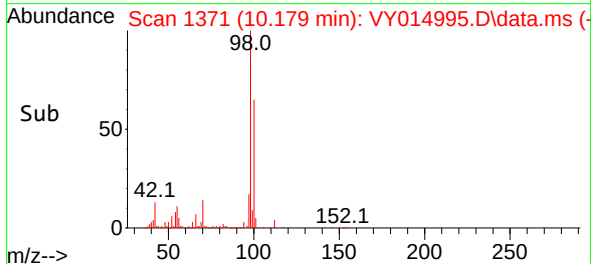
Instrument :
MSVOA_Y
ClientSampleId :
DAYTON-SOIL1



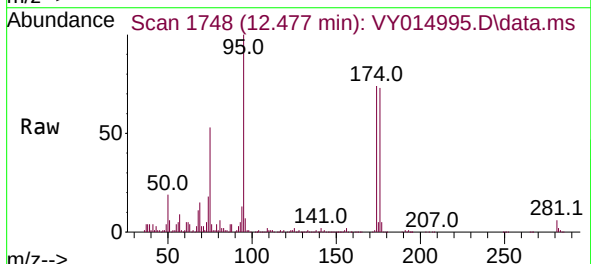
Tgt Ion: 98 Resp: 547380
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1

Manual Integrations
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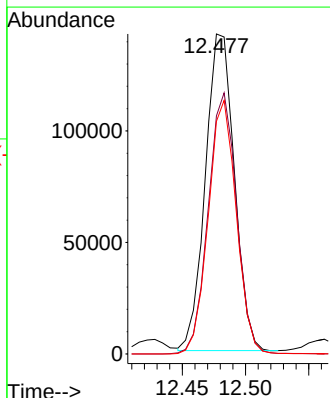
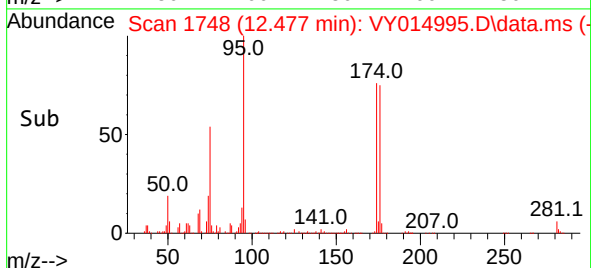
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023

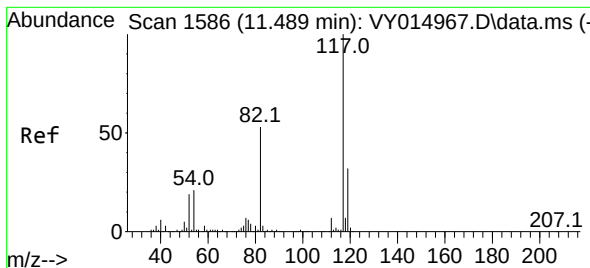


#62
4-Bromofluorobenzene
Concen: 58.737 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08



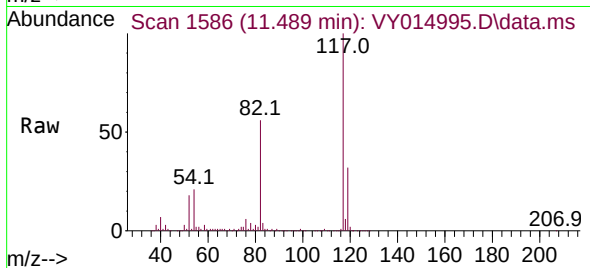
Tgt Ion: 95 Resp: 226906
Ion Ratio Lower Upper
95 100
174 80.7 0.0 178.2
176 77.3 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

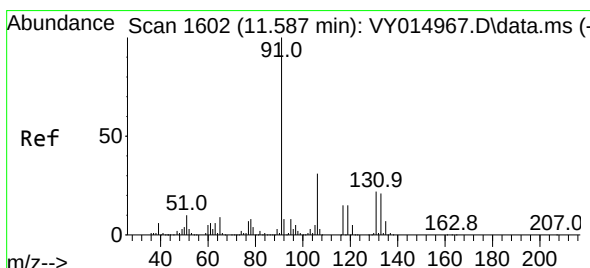
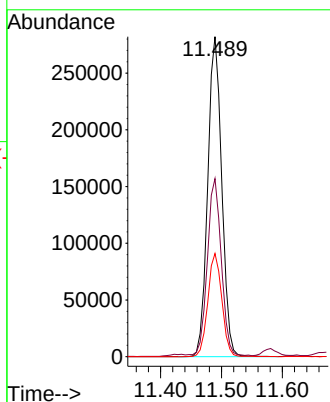
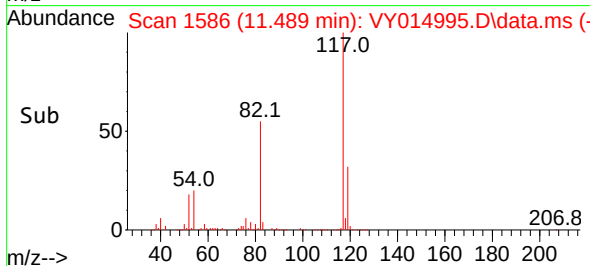
Instrument :
MSVOA_Y
ClientSampleId :
DAYTON-SOIL1



Tgt Ion:117 Resp: 451072
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 32.3 26.3 39.5

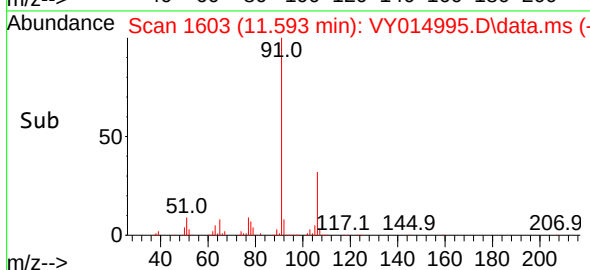
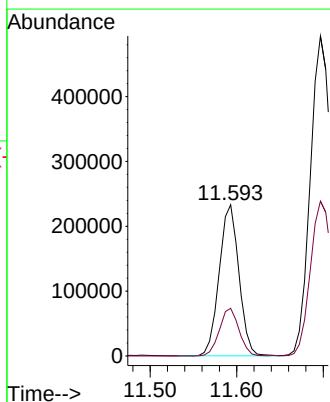
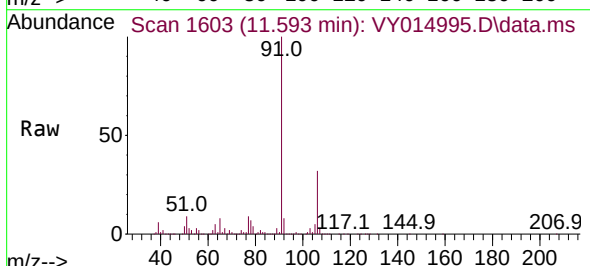
Manual Integrations
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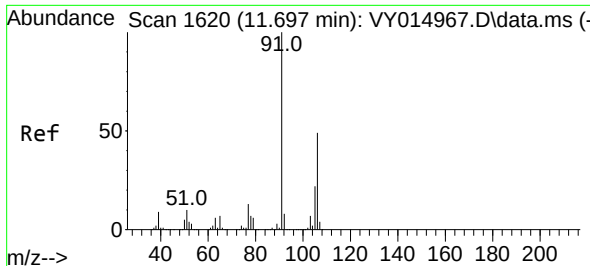
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#67
Ethyl Benzene
Concen: 24.466 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

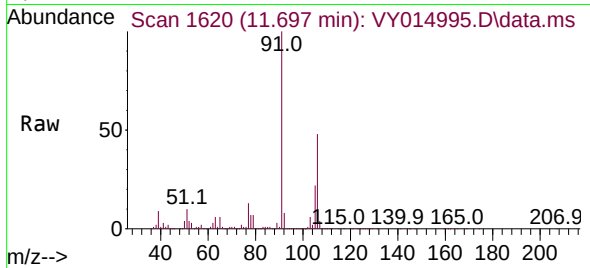
Tgt Ion: 91 Resp: 367509
Ion Ratio Lower Upper
91 100
106 31.6 24.6 36.8





#68
m/p-Xylenes
Concen: 75.176 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

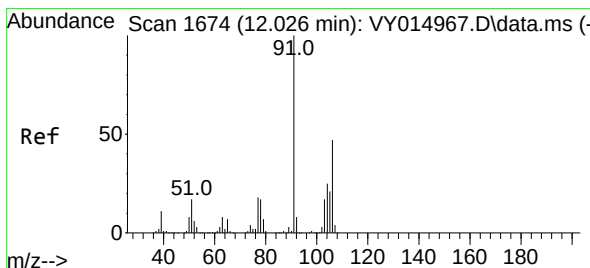
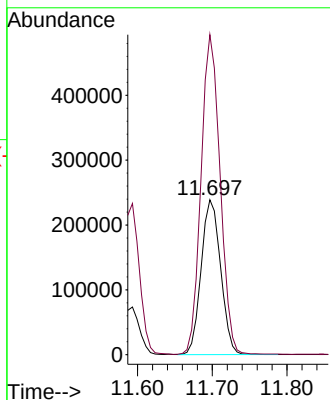
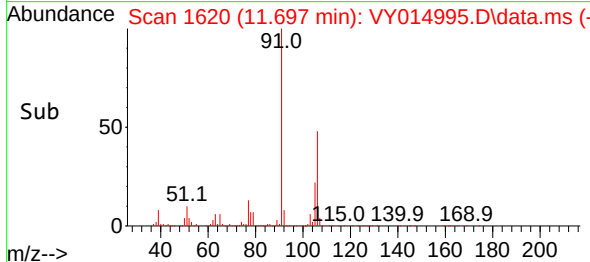
Instrument :
MSVOA_Y
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DAYTON-SOIL1



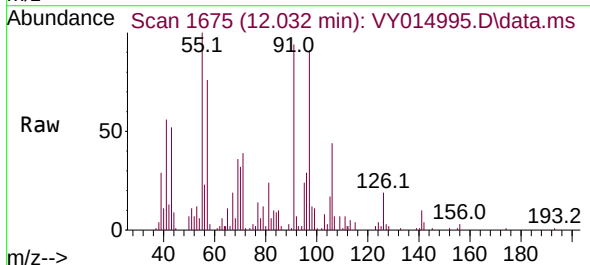
Tgt Ion:106 Resp: 43198
Ion Ratio Lower Upper
106 100
91 202.3 166.1 249.1

Manual Integrations
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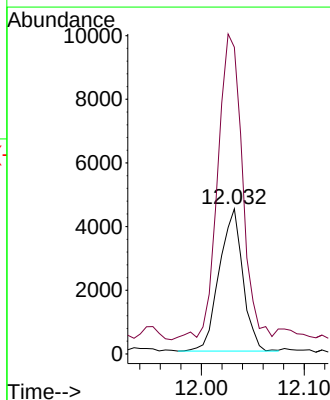
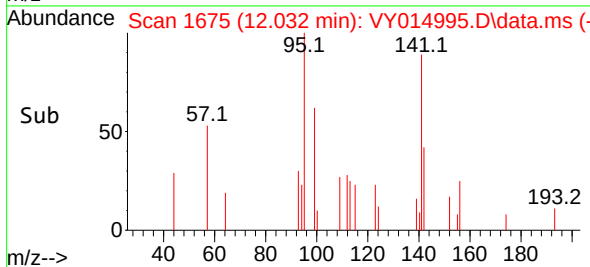
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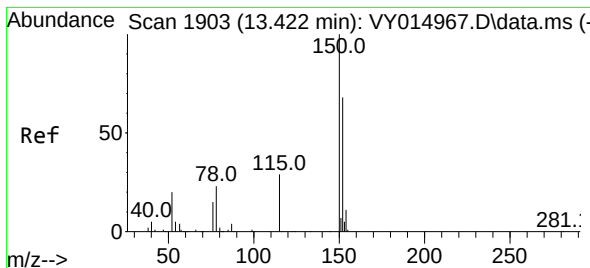


#69
o-Xylene
Concen: 1.267 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08



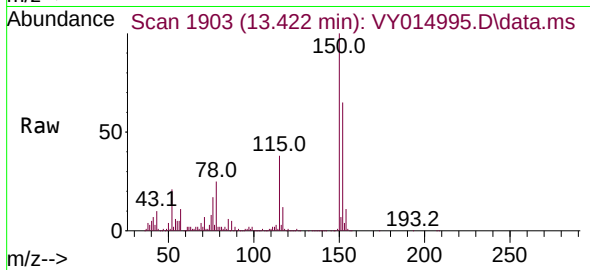
Tgt Ion:106 Resp: 7124
Ion Ratio Lower Upper
106 100
91 226.9 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

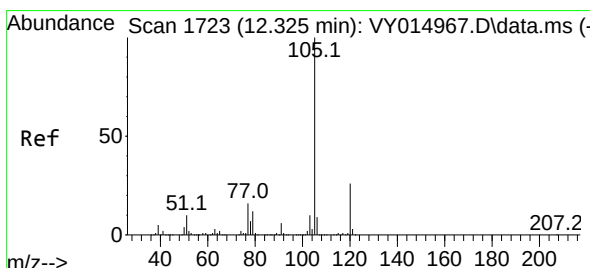
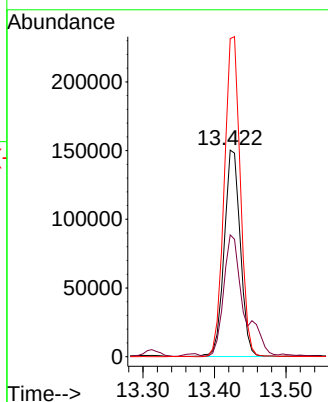
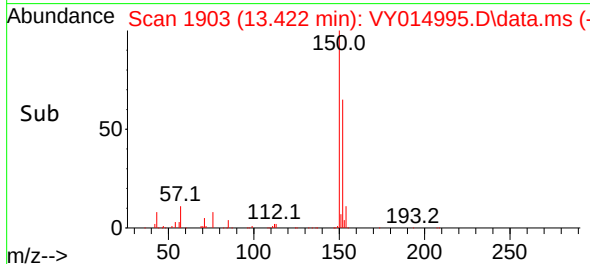
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ClientSampleId :
DAYTON-SOIL1



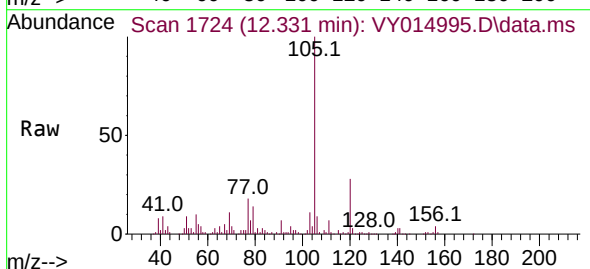
Tgt Ion:152 Resp: 234380
Ion Ratio Lower Upper
152 100
115 73.3 28.8 86.5
150 154.6 0.0 348.8

Manual Integrations
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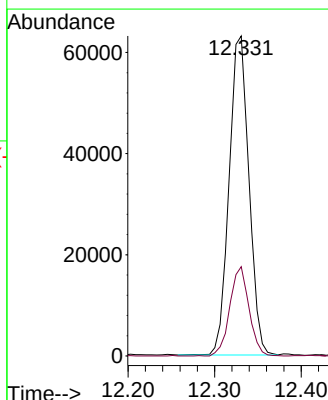
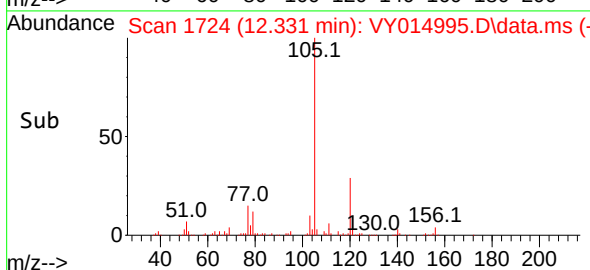
Reviewed By :Romaben Patel 08/09/2023
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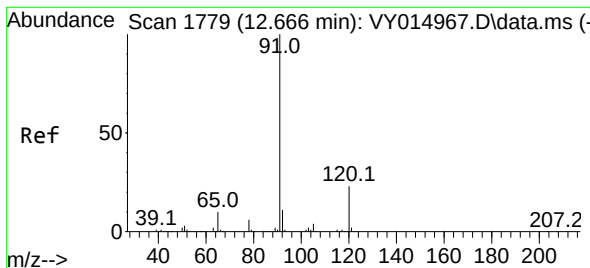


#73
Isopropylbenzene
Concen: 6.369 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08



Tgt Ion:105 Resp: 100354
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.9





#78

n-propylbenzene

Concen: 35.195 ug/l

RT: 12.672 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014995.D

Acq: 08 Aug 2023 19:08

Instrument :

MSVOA_Y

ClientSampleId :

DAYTON-SOIL1

Tgt Ion: 91 Resp: 663230

Ion Ratio Lower Upper

91 100

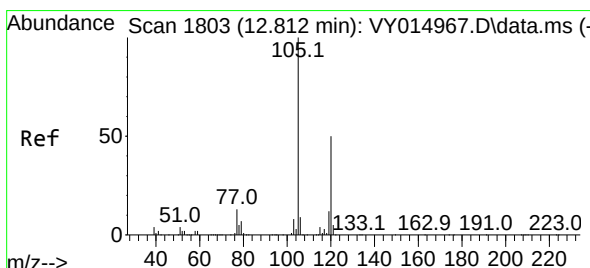
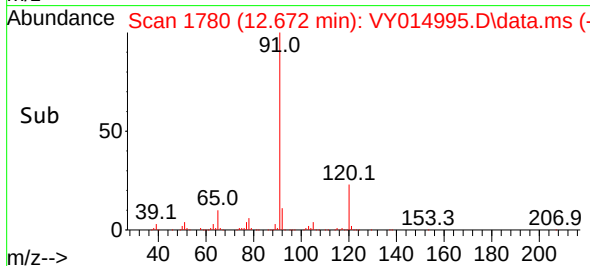
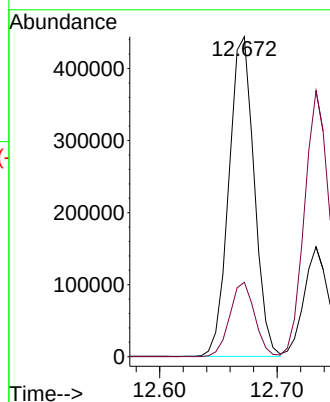
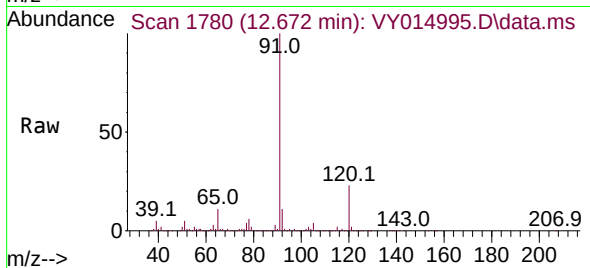
120 23.1 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 08/09/2023

Supervised By :Semsettin Yesilyurt 08/09/2023



#80

1,3,5-Trimethylbenzene

Concen: 77.758 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY014995.D

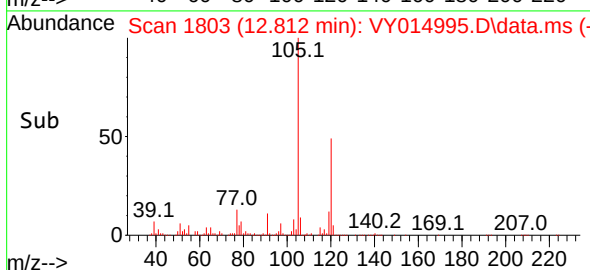
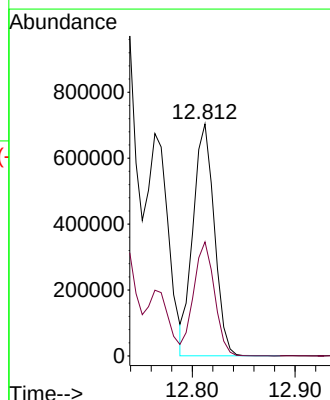
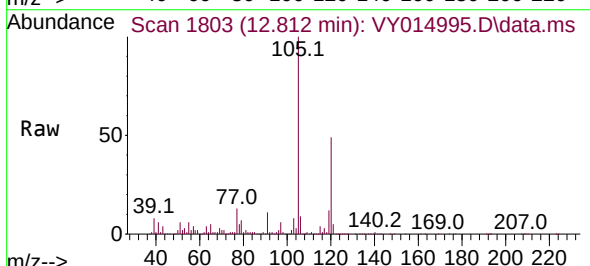
Acq: 08 Aug 2023 19:08

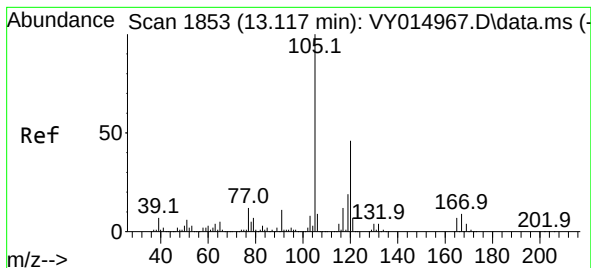
Tgt Ion:105 Resp: 1009578

Ion Ratio Lower Upper

105 100

120 48.6 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 298.430 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY014995.D

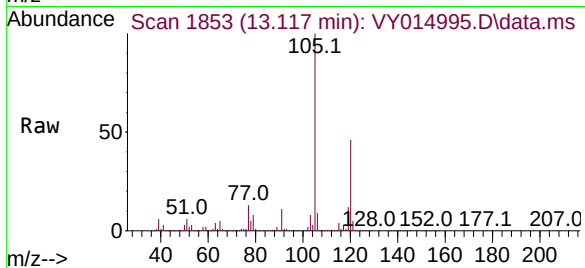
Acq: 08 Aug 2023 19:08

Instrument :

MSVOA_Y

ClientSampleId :

DAYTON-SOIL1



Tgt Ion:105 Resp: 388204

Ion Ratio Lower Upper

105 100

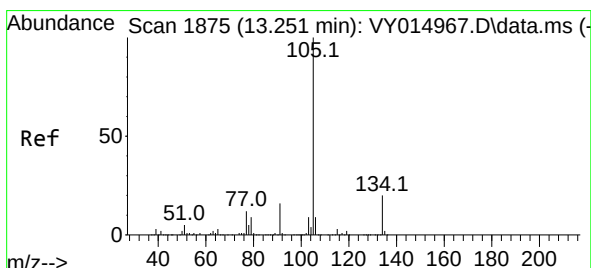
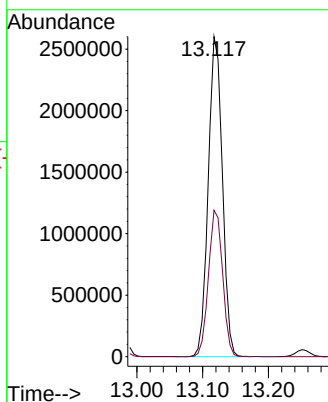
120 46.1 22.2 66.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 08/09/2023

Supervised By :Semsettin Yesilyurt 08/09/2023



#85

sec-Butylbenzene

Concen: 4.983 ug/l m

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY014995.D

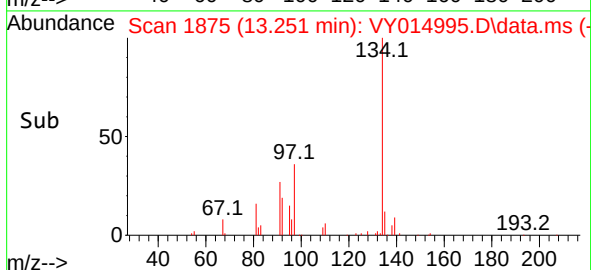
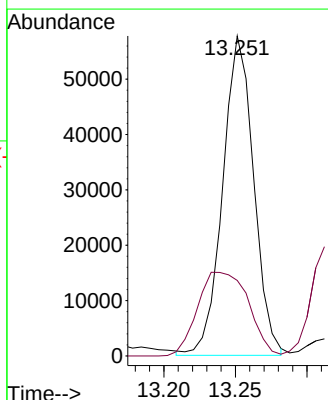
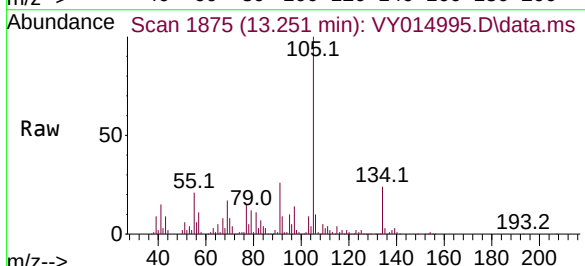
Acq: 08 Aug 2023 19:08

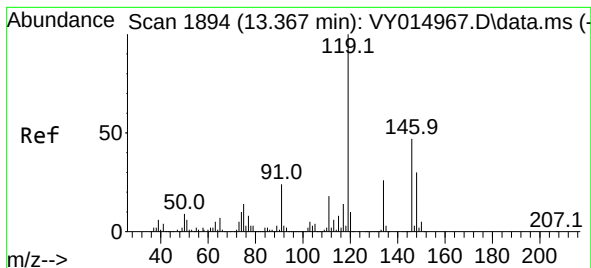
Tgt Ion:105 Resp: 86861

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#





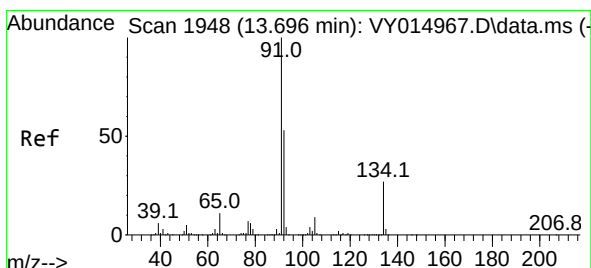
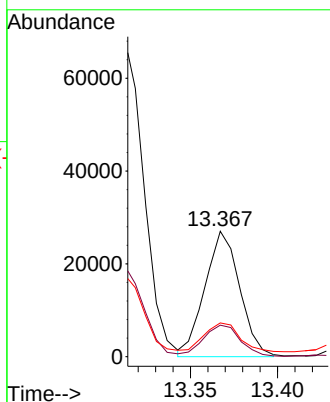
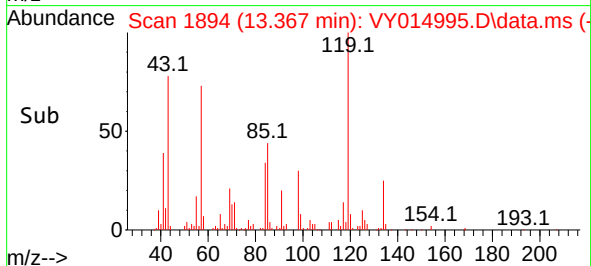
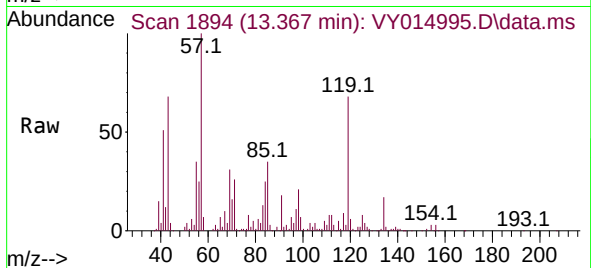
#86
p-Isopropyltoluene
Concen: 2.613 ug/l m
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

Instrument :
MSVOA_Y
ClientSampleId :
DAYTON-SOIL1

Tgt Ion: 119 Resp: 37700
Ion Ratio Lower Upper
119 100
134 73.6 13.3 39.8
91 61.9 12.4 37.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#89
n-Butylbenzene
Concen: 13.678 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY014995.D
Acq: 08 Aug 2023 19:08

Tgt Ion: 91 Resp: 185438
Ion Ratio Lower Upper
91 100
92 62.6 25.4 76.0
134 0.0 12.6 37.6

