

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007522.D
 Acq On : 17 Feb 2022 15:04
 Operator : SY/MD
 Sample : N1556-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NE-SURFICIAL-SOIL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 07:39:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	32351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	53040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	42423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	15573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	13934	39.012	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.020%		
35) Dibromofluoromethane	7.722	113	14805	44.262	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.520%		
50) Toluene-d8	10.179	98	60380	47.528	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.060%		
62) 4-Bromofluorobenzene	12.477	95	17105	39.708	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	79.420%		
Target Compounds					Qvalue	
16) Acetone	3.942	43	4480	47.276	ug/l	99
40) Benzene	8.161	78	2212	1.485	ug/l	96
52) Toluene	10.246	92	3507	3.671	ug/l	95
67) Ethyl Benzene	11.593	91	40468	23.271	ug/l	99
68) m/p-Xylenes	11.697	106	69293	105.288	ug/l	100
69) o-Xylene	12.026	106	34058	54.691	ug/l	98
73) Isopropylbenzene	12.324	105	11129	8.067	ug/l	98
78) n-propylbenzene	12.666	91	31886	19.206	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	93761	82.046	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	213903	193.042	ug/l	100
85) sec-Butylbenzene	13.251	105	5849m	3.973	ug/l	
86) p-Isopropyltoluene	13.367	119	5859	4.831	ug/l	99
89) n-Butylbenzene	13.690	91	2684	2.327	ug/l #	37
95) Naphthalene	15.233	128	49850	75.238	ug/l	99

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

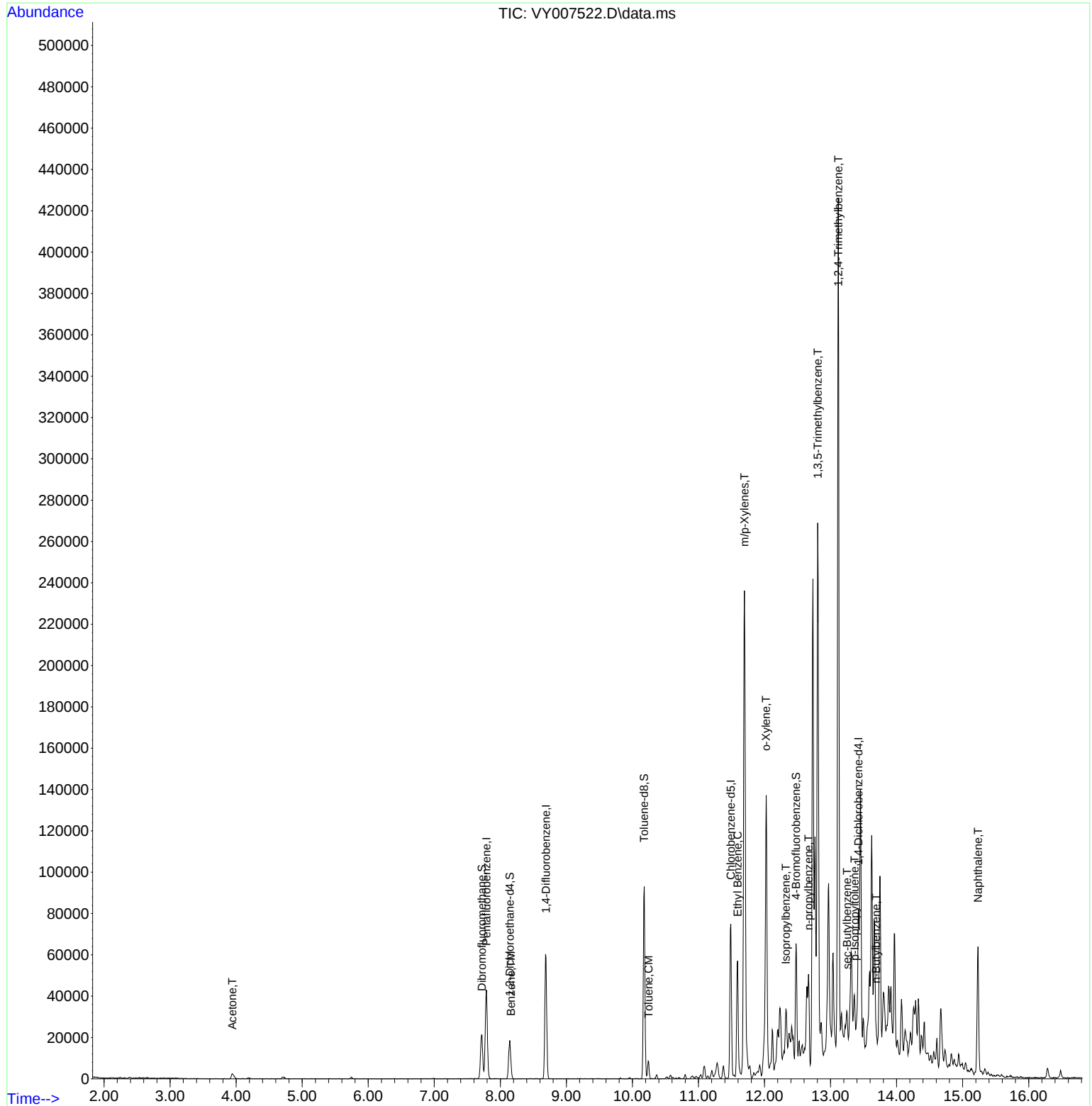
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
Data File : VY007522.D
Acq On : 17 Feb 2022 15:04
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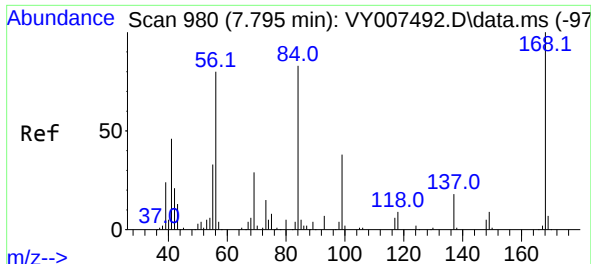
Instrument :
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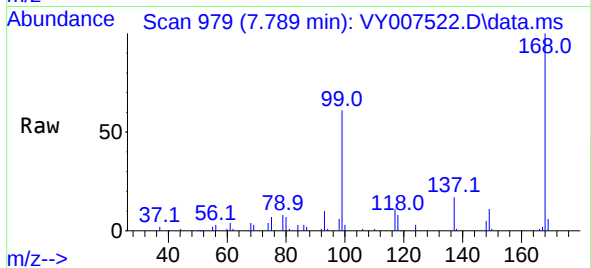
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 15 09:34:50 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

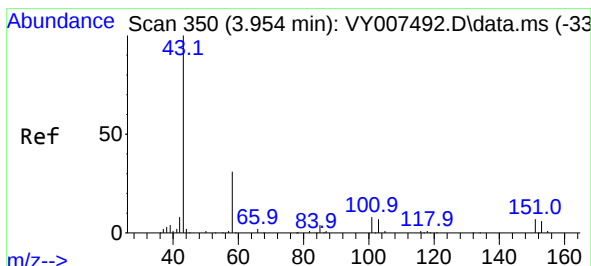
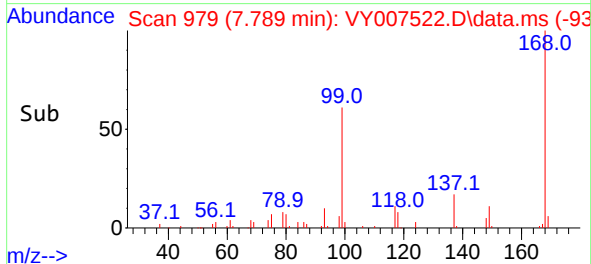
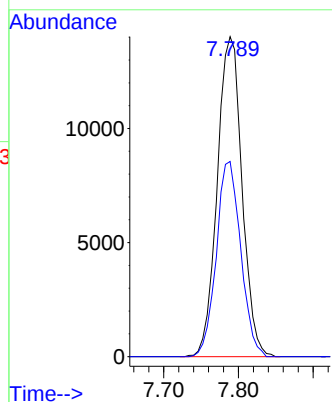
Instrument :
MSVOA_Y
ClientSampleId :
NE-SURFICIAL-SOIL



Tgt Ion:168 Resp: 3235
Ion Ratio Lower Upper
168 100
99 61.0 46.9 70.3

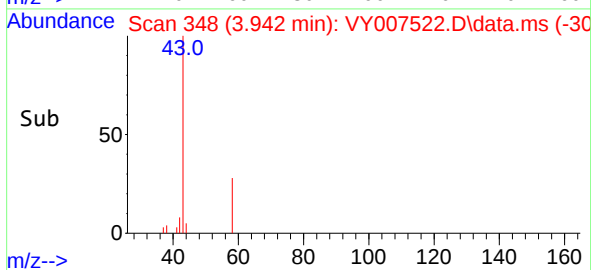
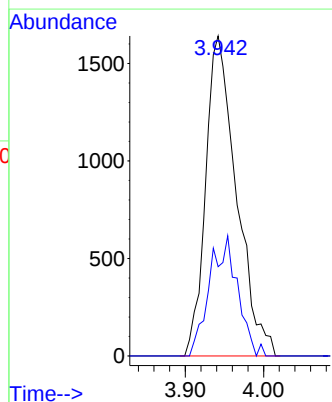
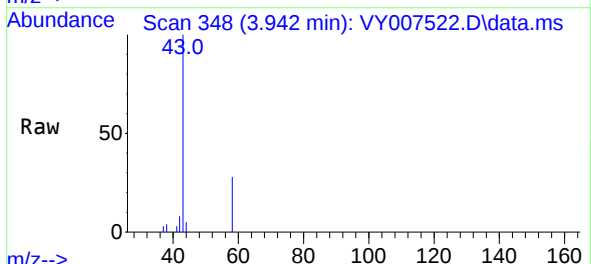
Manual Integrations
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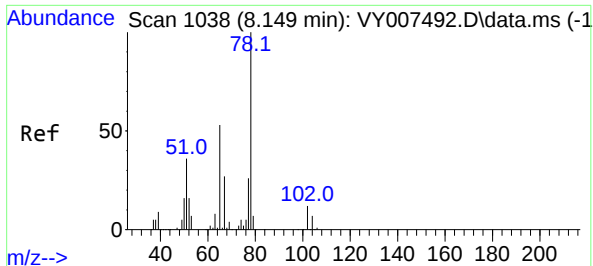
Reviewed By :John Carlone 02/18/2022
Supervised By :Mahesh Dadoda 02/21/2022



#16
Acetone
Concen: 47.276 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Tgt Ion: 43 Resp: 4480
Ion Ratio Lower Upper
43 100
58 27.9 22.0 33.0





#33

1,2-Dichloroethane-d4

Concen: 39.012 ug/l

RT: 8.142 min Scan# 1038

Delta R.T. -0.001 min

Lab File: VY007522.D

Acq: 17 Feb 2022 15:04

Instrument :

MSVOA_Y

ClientSampleId :

NE-SURFICIAL-SOIL

Tgt Ion: 65 Resp: 13934

Ion Ratio Lower Upper

65 100

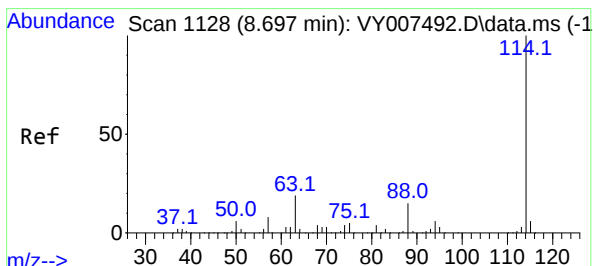
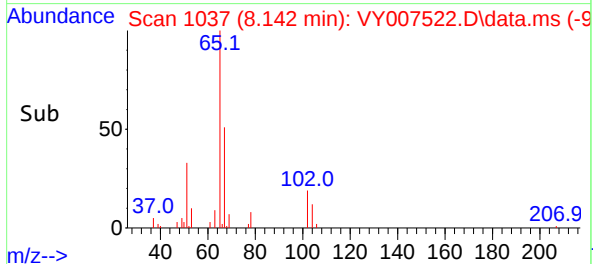
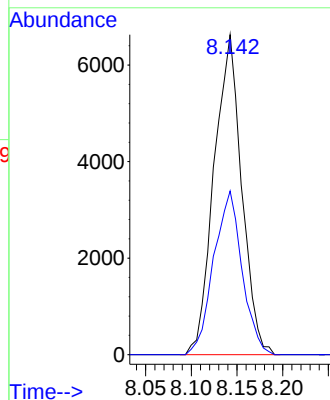
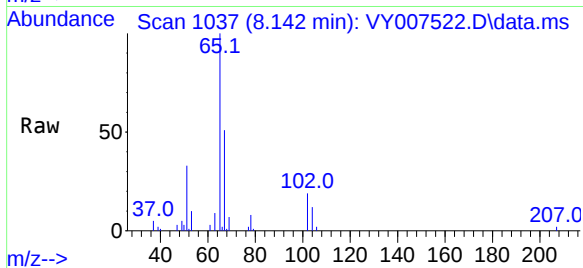
67 52.5 0.0 99.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007522.D

Acq: 17 Feb 2022 15:04

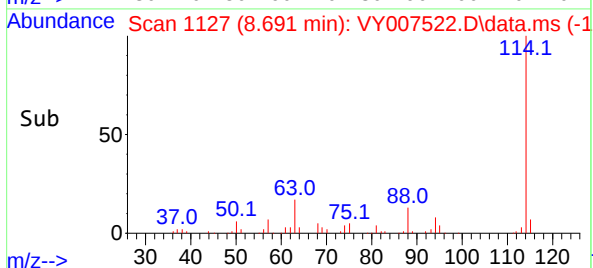
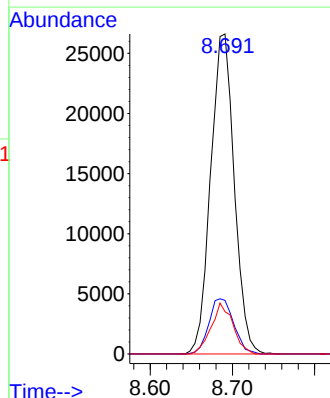
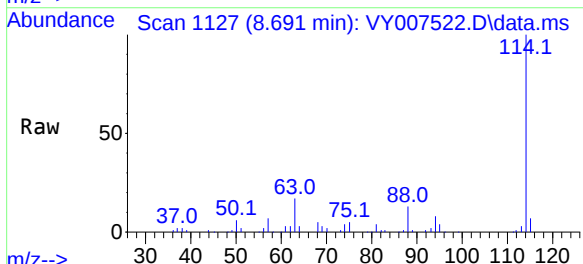
Tgt Ion:114 Resp: 53040

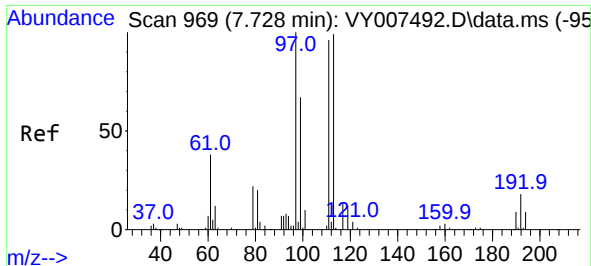
Ion Ratio Lower Upper

114 100

63 16.7 0.0 43.2

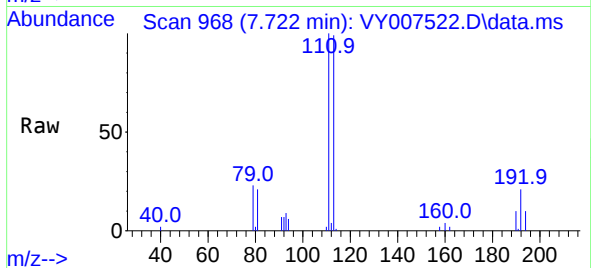
88 13.2 0.0 31.8





#35
Dibromofluoromethane
Concen: 44.262 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

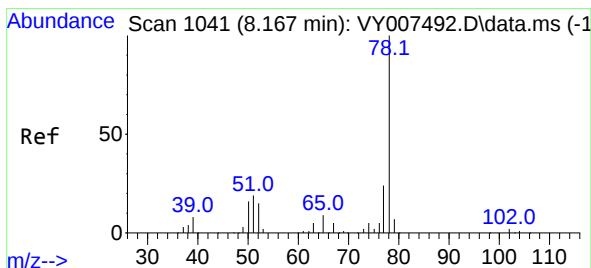
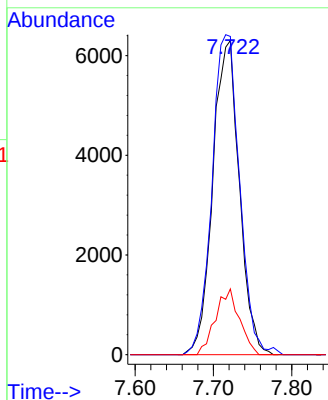
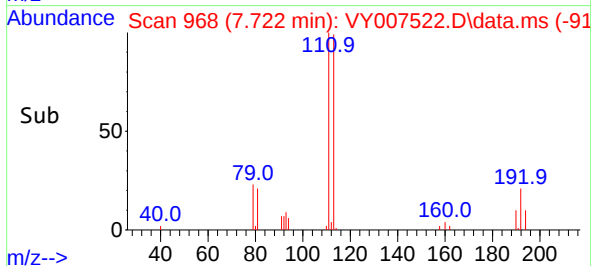
Instrument :
MSVOA_Y
ClientSampleId :
NE-SURFICIAL-SOIL



Tgt Ion: 113 Resp: 1480
Ion Ratio Lower Upper
113 100
111 106.1 82.6 124.0
192 18.9 17.6 26.4

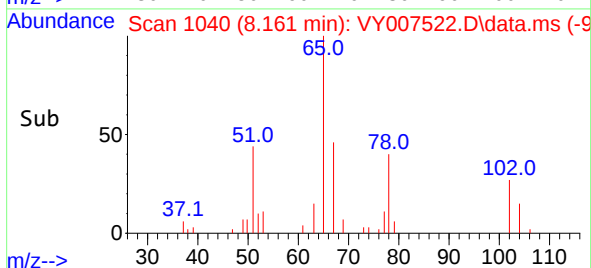
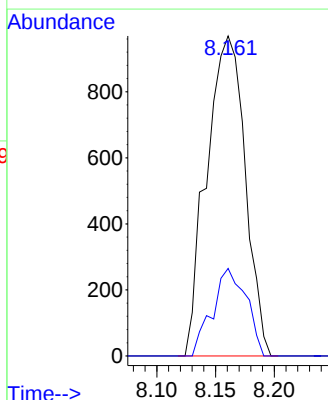
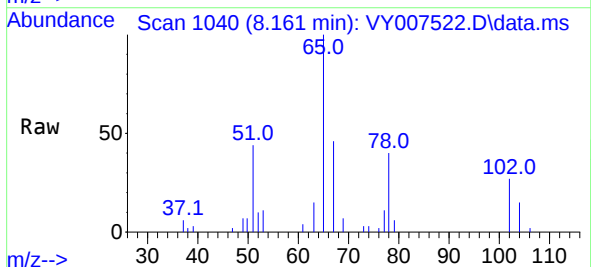
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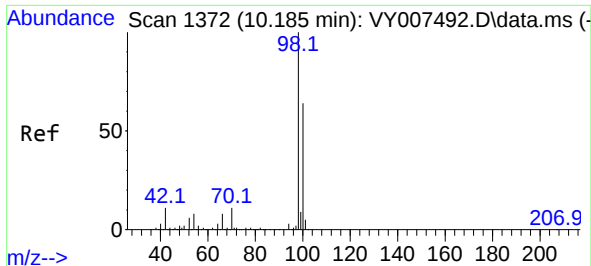
Reviewed By :John Carlone 02/18/2022
Supervised By :Mahesh Dadoda 02/21/2022



#40
Benzene
Concen: 1.485 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Tgt Ion: 78 Resp: 2212
Ion Ratio Lower Upper
78 100
77 27.3 20.4 30.6





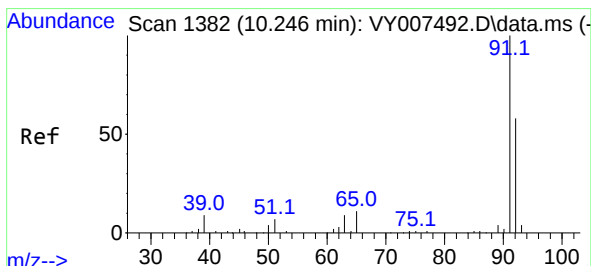
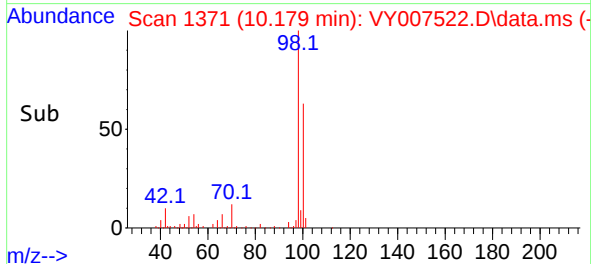
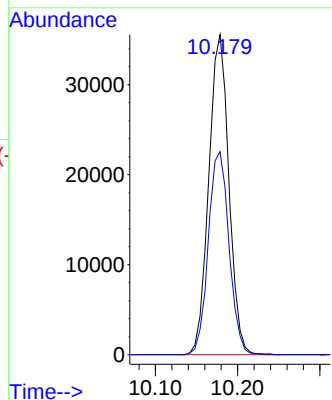
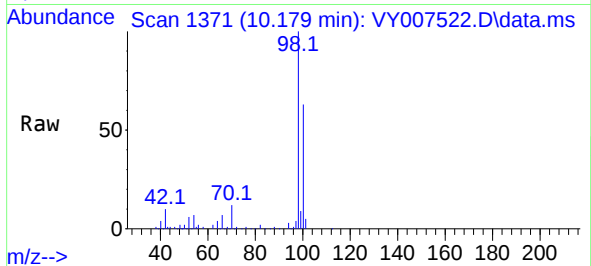
#50
Toluene-d8
Concen: 47.528 ug/l
RT: 10.179 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Instrument :
MSVOA_Y
ClientSampleId :
NE-SURFICIAL-SOIL

Tgt Ion: 98 Resp: 60380
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

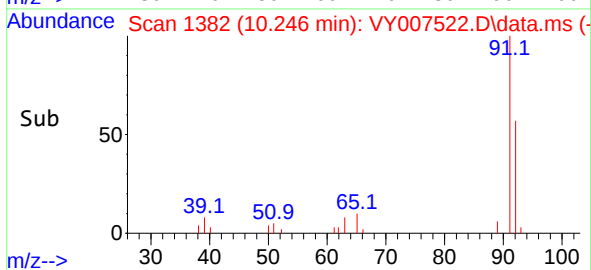
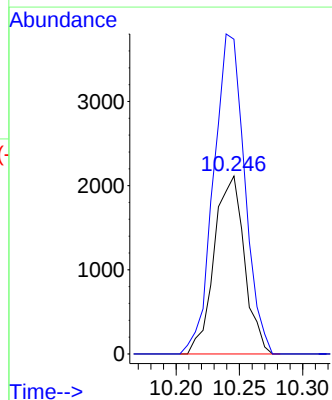
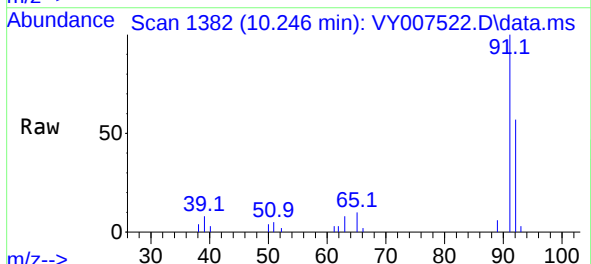
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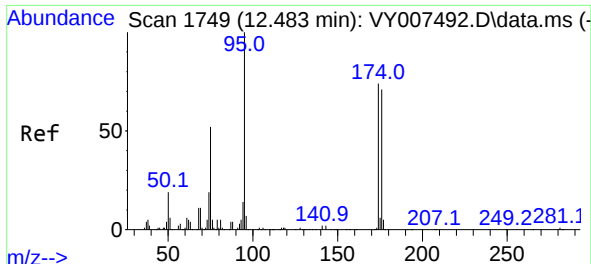
Reviewed By :John Carlone 02/18/2022
Supervised By :Mahesh Dadoda 02/21/2022



#52
Toluene
Concen: 3.671 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Tgt Ion: 92 Resp: 3507
Ion Ratio Lower Upper
92 100
91 185.1 142.6 213.8





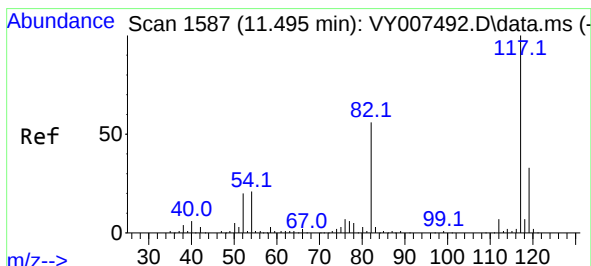
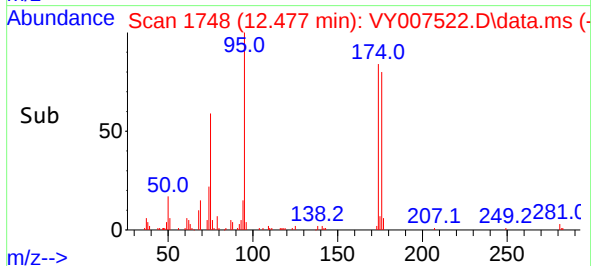
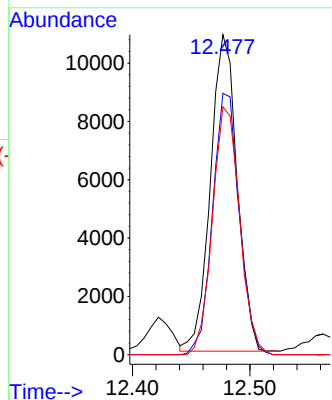
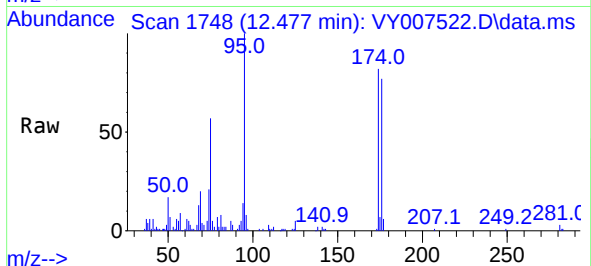
#62
4-Bromofluorobenzene
Concen: 39.708 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Instrument :
MSVOA_Y
ClientSampleId :
NE-SURFICIAL-SOIL

Tgt Ion: 95	Resp: 1710
Ion Ratio	Lower Upper
95 100	
174 82.8	0.0 177.0
176 79.9	0.0 175.8

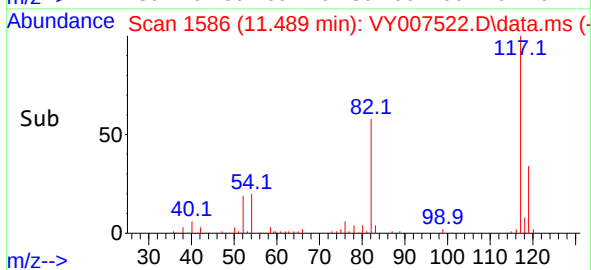
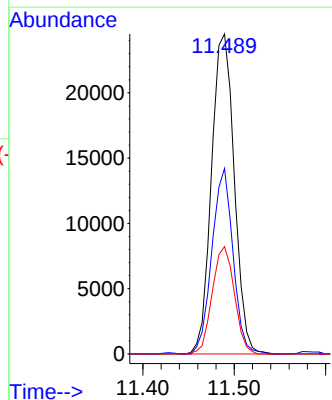
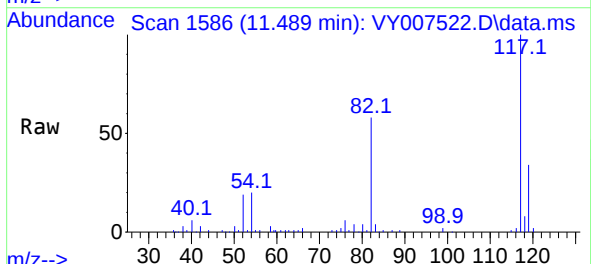
Manual Integrations
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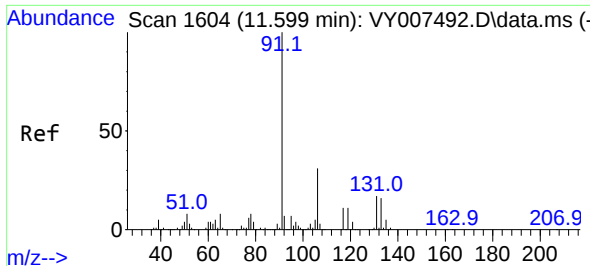
Reviewed By :John Carlone 02/18/2022
Supervised By :Mahesh Dadoda 02/21/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

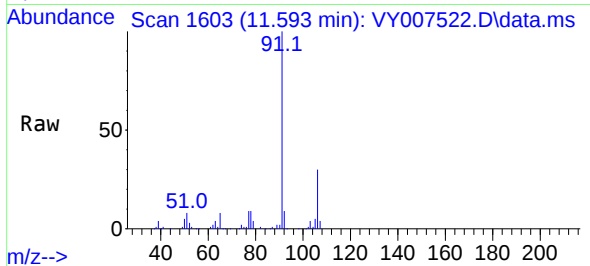
Tgt Ion: 117	Resp: 42423
Ion Ratio	Lower Upper
117 100	
82 58.0	43.0 64.4
119 33.6	25.4 38.0





#67
Ethyl Benzene
Concen: 23.271 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

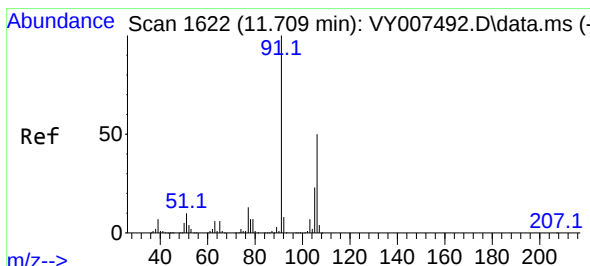
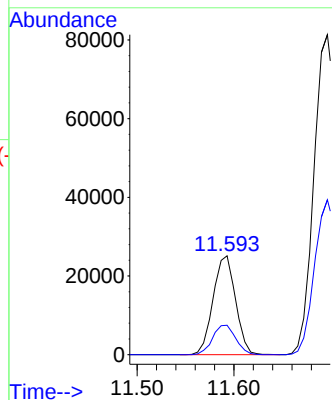
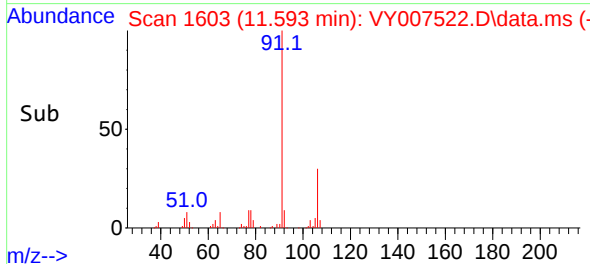
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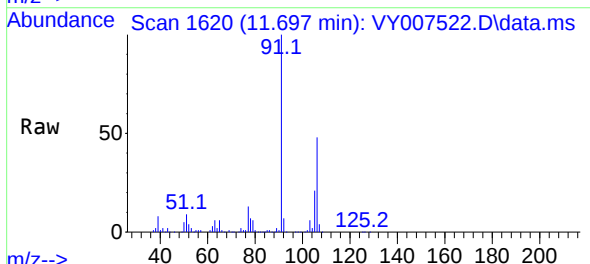
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Ion Ratio Lower Upper
91 100
106 29.8 24.5 36.7

Manual Integrations
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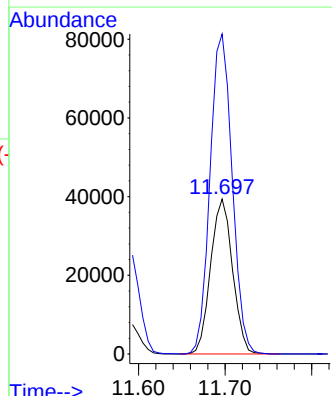
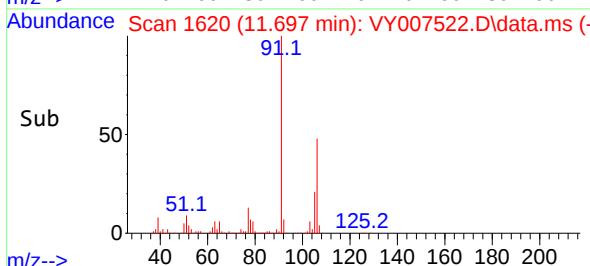
Reviewed By :John Carlone 02/18/2022
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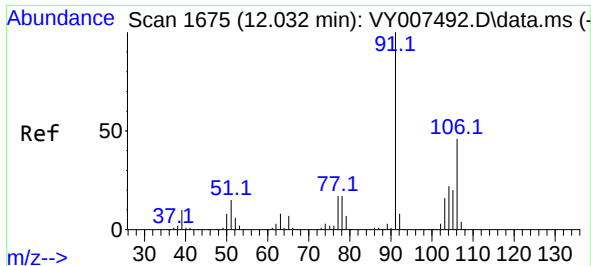


#68
m/p-Xylenes
Concen: 105.288 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04



Tgt Ion:106 Resp: 69293
Ion Ratio Lower Upper
106 100
91 207.8 166.6 249.8





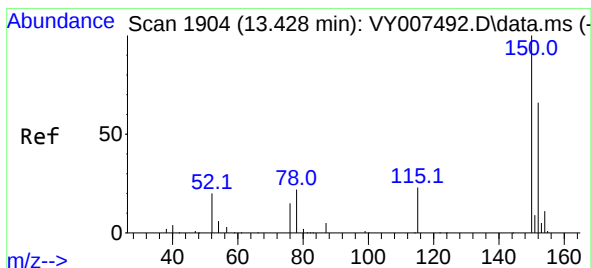
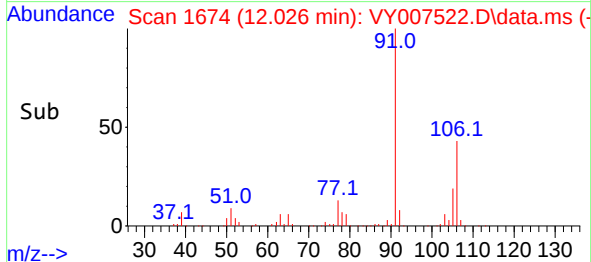
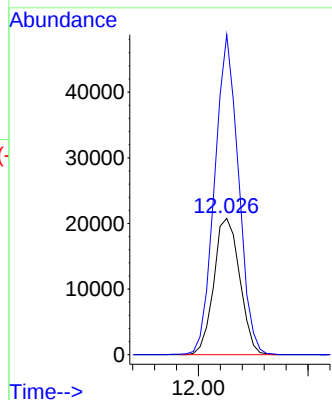
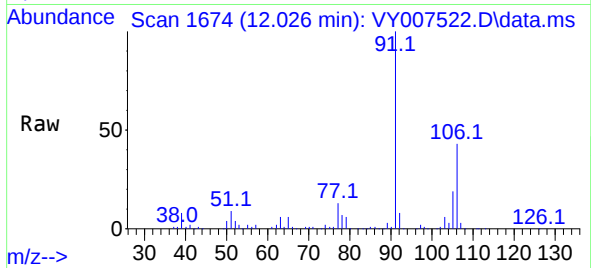
#69
o-Xylene
Concen: 54.691 ug/l
RT: 12.026 min Scan# 106
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Instrument :
MSVOA_Y
ClientSampleId :
NE-SURFICIAL-SOIL

Tgt Ion:106 Resp: 34058
Ion Ratio Lower Upper
106 100
91 217.0 110.3 331.0

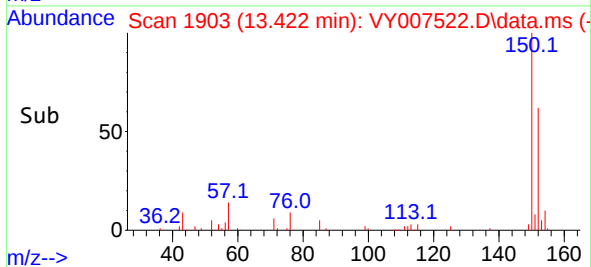
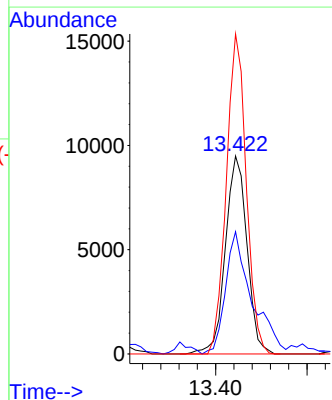
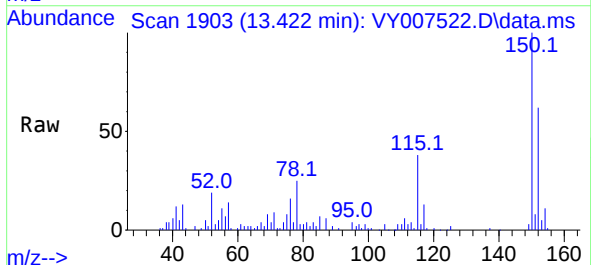
Manual Integrations
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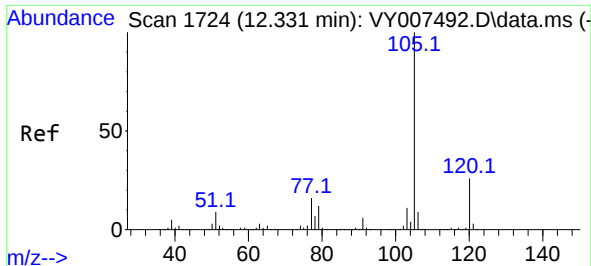
Reviewed By :John Carlone 02/18/2022
Supervised By :Mahesh Dadoda 02/21/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Tgt Ion:152 Resp: 15573
Ion Ratio Lower Upper
152 100
115 75.6 28.2 84.7
150 149.5 0.0 347.6





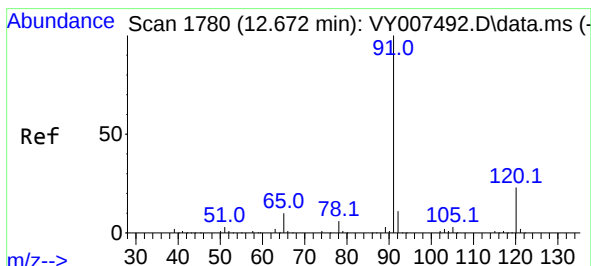
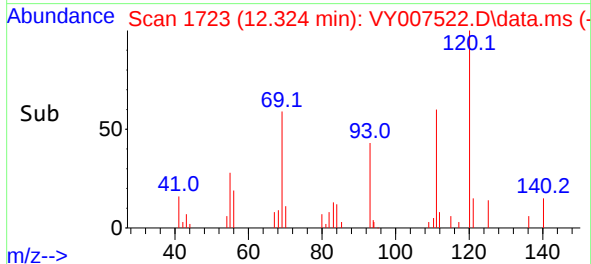
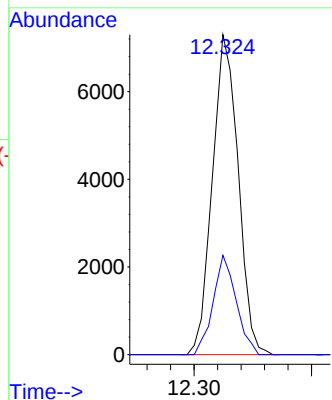
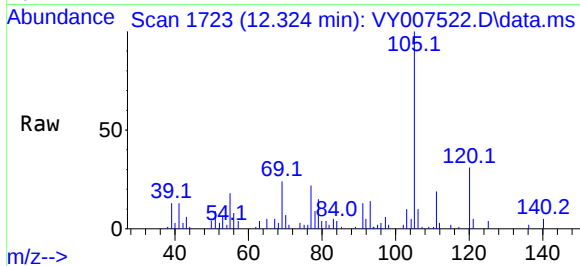
#73
Isopropylbenzene
Concen: 8.067 ug/l
RT: 12.324 min Scan# 11129
Delta R.T. -0.007 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Instrument :
MSVOA_Y
ClientSampleId :
NE-SURFICIAL-SOIL

Tgt Ion:105 Resp: 11129
Ion Ratio Lower Upper
105 100
120 27.9 13.4 40.2

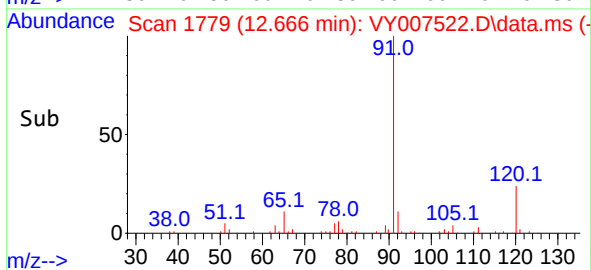
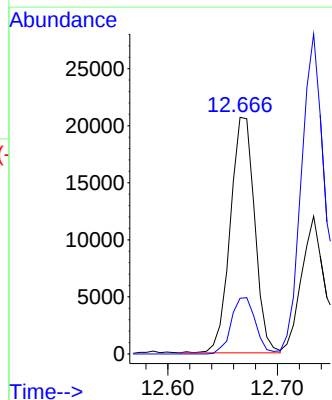
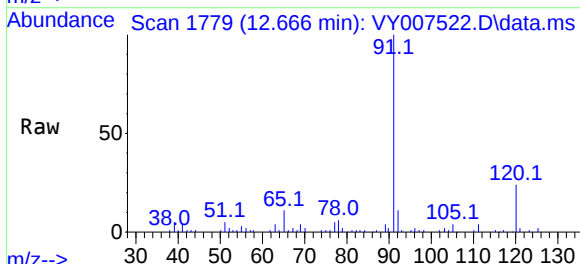
Manual Integrations
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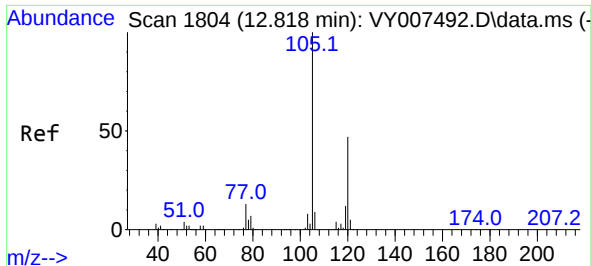
Reviewed By :John Carlone 02/18/2022
Supervised By :Mahesh Dadoda 02/21/2022



#78
n-propylbenzene
Concen: 19.206 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Tgt Ion: 91 Resp: 31886
Ion Ratio Lower Upper
91 100
120 23.6 11.3 33.9





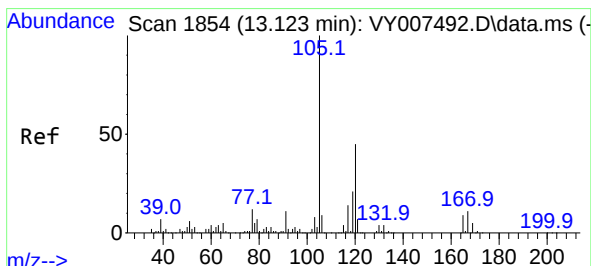
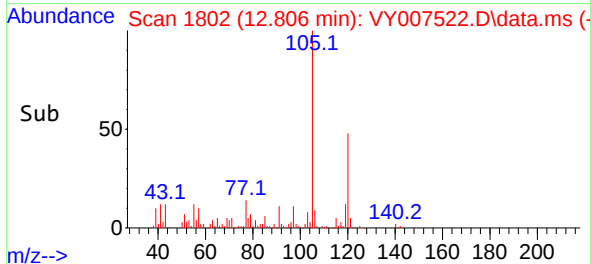
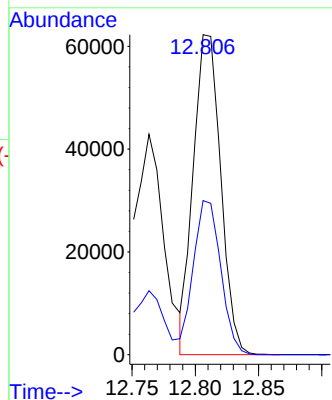
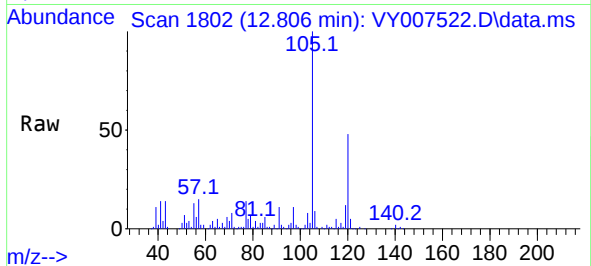
#80
1,3,5-Trimethylbenzene
Concen: 82.046 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Instrument :
MSVOA_Y
ClientSampleId :
NE-SURFICIAL-SOIL

Tgt Ion:105 Resp: 9376
Ion Ratio Lower Upper
105 100
120 49.2 24.4 73.4

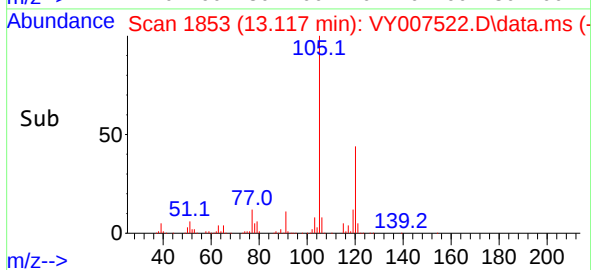
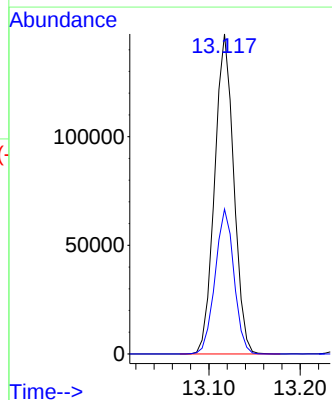
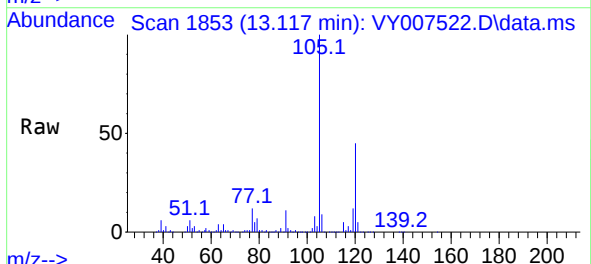
Manual Integrations
APPROVED

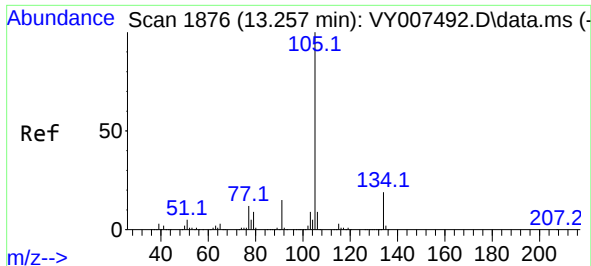
Reviewed By :John Carlone 02/18/2022
Supervised By :Mahesh Dadoda 02/21/2022



#84
1,2,4-Trimethylbenzene
Concen: 193.042 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Tgt Ion:105 Resp: 213903
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9





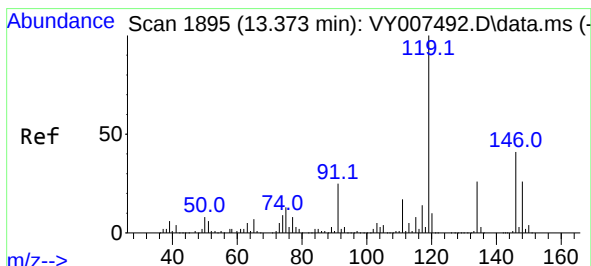
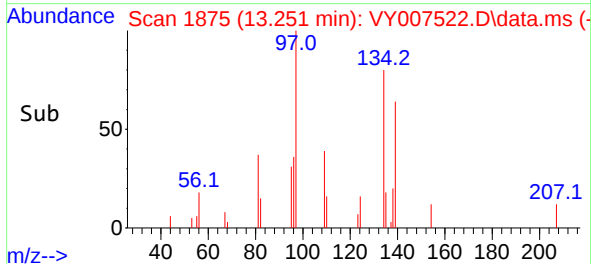
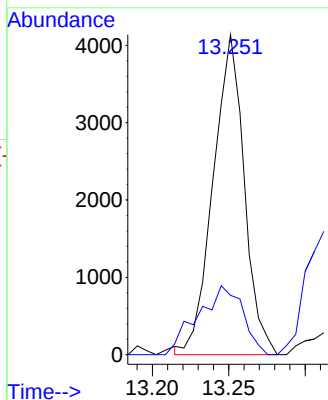
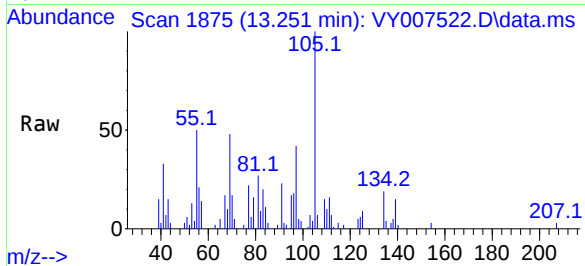
#85
 sec-Butylbenzene
 Concen: 3.973 ug/l m
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY007522.D
 Acq: 17 Feb 2022 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 NE-SURFICIAL-SOIL

Tgt Ion:105 Resp: 5849
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4

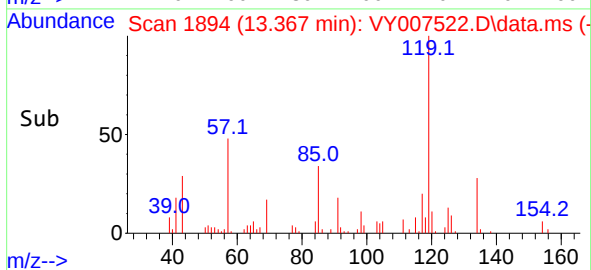
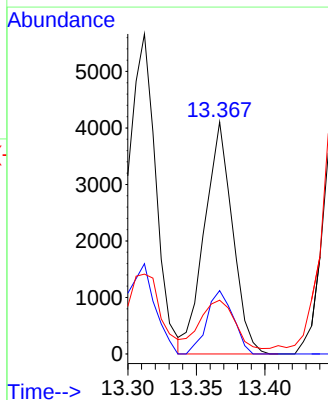
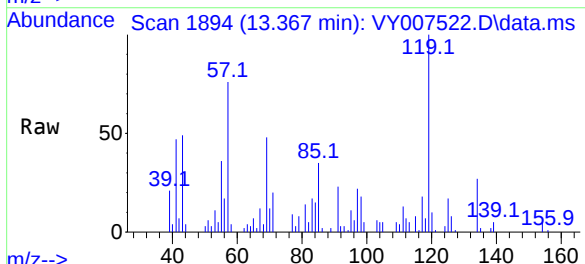
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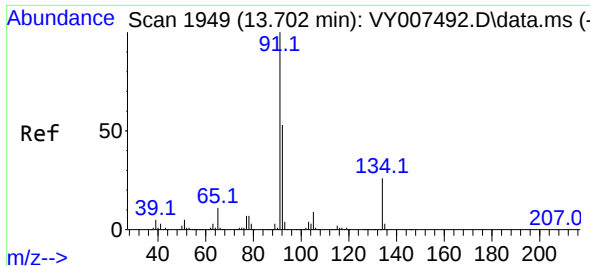
Reviewed By :John Carlone 02/18/2022
 Supervised By :Mahesh Dadoda 02/21/2022



#86
 p-Isopropyltoluene
 Concen: 4.831 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.000 min
 Lab File: VY007522.D
 Acq: 17 Feb 2022 15:04

Tgt Ion:119 Resp: 5859
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.5
 91 25.1 12.4 37.2





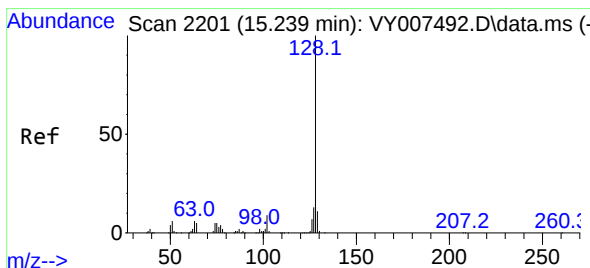
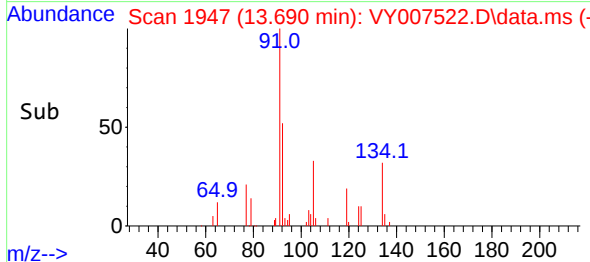
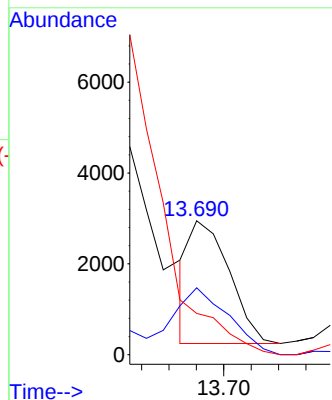
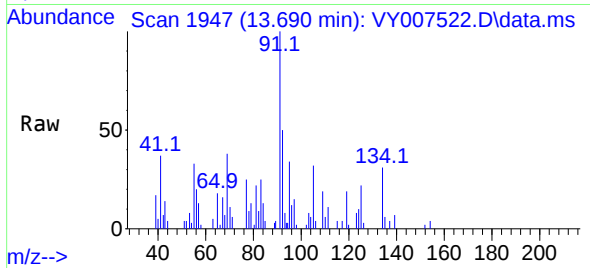
#89
n-Butylbenzene
Concen: 2.327 ug/l
RT: 13.690 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Instrument :
MSVOA_Y
ClientSampleId :
NE-SURFICIAL-SOIL

Tgt Ion: 91 Resp: 2684
Ion Ratio Lower Upper
91 100
92 101.2 26.3 78.9
134 0.0 13.0 38.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2022
Supervised By :Mahesh Dadoda 02/21/2022



#95
Naphthalene
Concen: 75.238 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.001 min
Lab File: VY007522.D
Acq: 17 Feb 2022 15:04

Tgt Ion:128 Resp: 49850
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.4
129 11.2 8.4 12.6

