

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102022\  
 Data File : VY011017.D  
 Acq On : 20 Oct 2022 12:12  
 Operator : KP/MD  
 Sample : N5193-07  
 Misc : 5.54g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LSP-SS-03-01-03-D

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/21/2022  
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 20 22:22:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 7.789          | 168  | 333996              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691          | 114  | 554661              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489         | 117  | 426337              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428         | 152  | 146766              | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142          | 65   | 172444              | 56.050  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 112.100% |         |        |          |
| 35) Dibromofluoromethane    | 7.715          | 113  | 182259              | 59.352  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 118.700% |         |        |          |
| 50) Toluene-d8              | 10.178         | 98   | 667121              | 57.603  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 115.200% |         |        |          |
| 62) 4-Bromofluorobenzene    | 12.483         | 95   | 176220              | 42.494  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 84.980%  |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         | Qvalue |          |
| 17) Carbon Disulfide        | 4.198          | 76   | 12242               | 1.318   | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.696         | 106  | 9445                | 1.586   | ug/l   | 97       |
| 69) o-Xylene                | 12.026         | 106  | 16356               | 2.892   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene  | 12.812         | 105  | 528733              | 59.430  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.123         | 105  | 455420              | 51.912  | ug/l   | 98       |
| 85) sec-Butylbenzene        | 13.251         | 105  | 12659m              | 1.095   | ug/l   |          |
| 86) p-Isopropyltoluene      | 13.367         | 119  | 22206               | 2.315   | ug/l   | 96       |
| 95) Naphthalene             | 15.239         | 128  | 923334              | 170.456 | ug/l   | 98       |
| -----                       |                |      |                     |         |        |          |

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

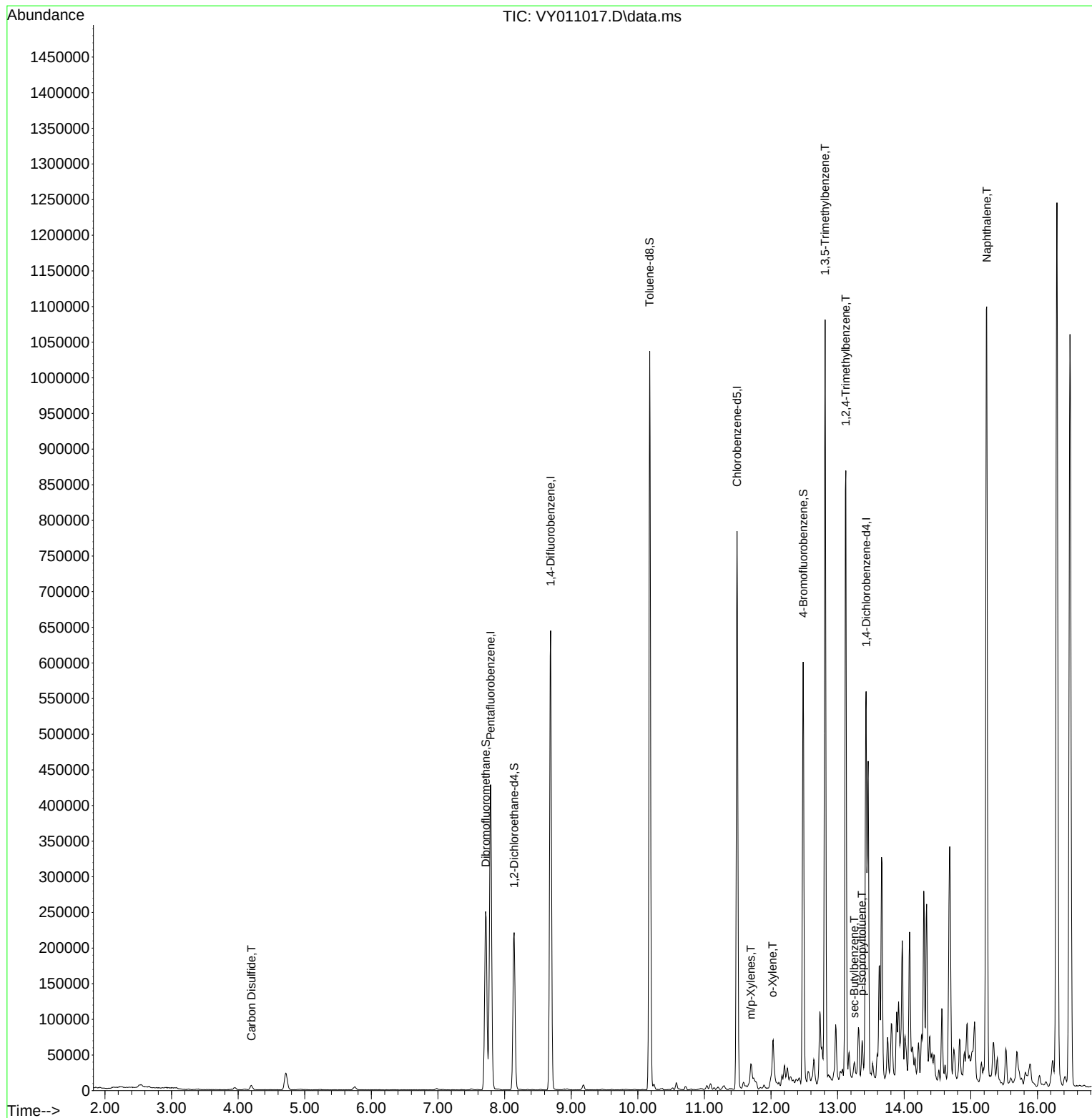
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102022\  
Data File : VY011017.D  
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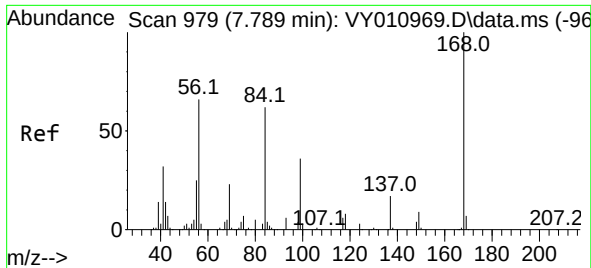
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LSP-SS-03-01-03-D

Quant Time: Oct 20 22:22:21 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 18 01:42:42 2022  
Response via : Initial Calibration

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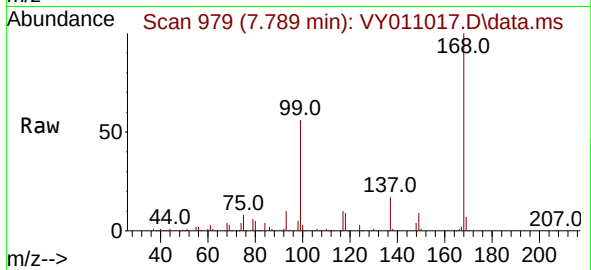
Reviewed By :Krupa Patel 10/21/2022  
Supervised By :Mahesh Dadoda 10/21/2022





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12

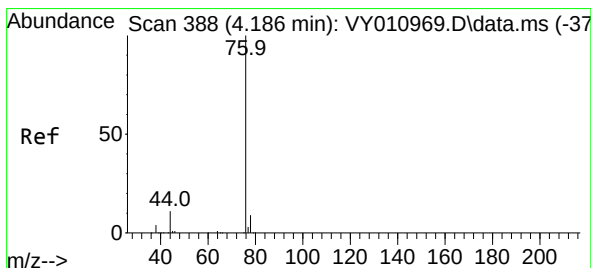
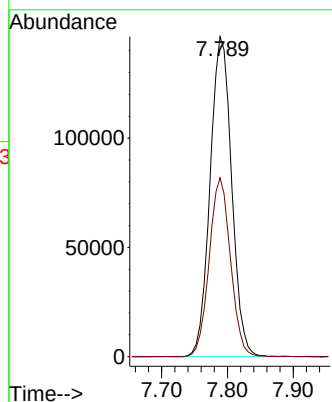
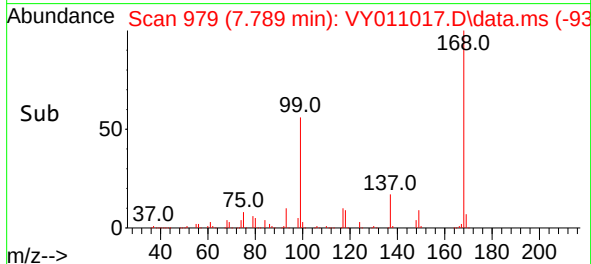
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LSP-SS-03-01-03-D



Tgt Ion:168 Resp: 333990  
Ion Ratio Lower Upper  
168 100  
99 55.9 46.9 70.3

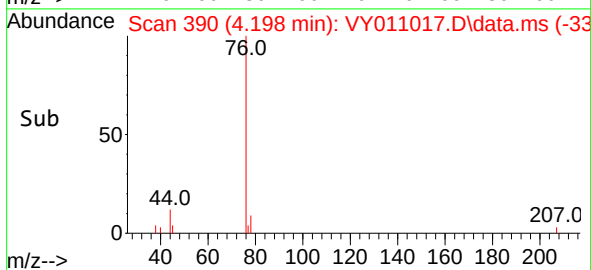
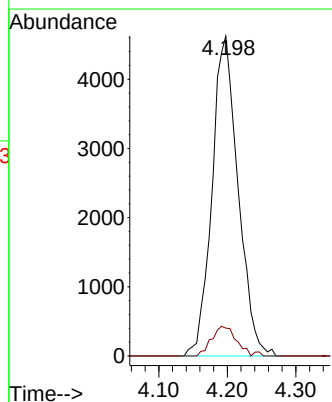
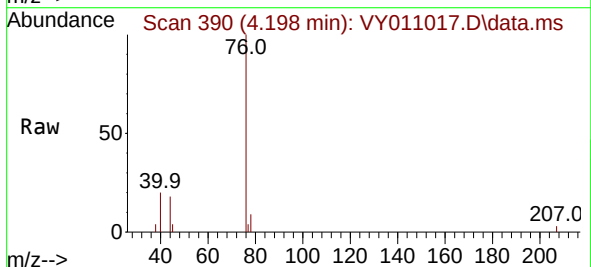
Manual Integrations  
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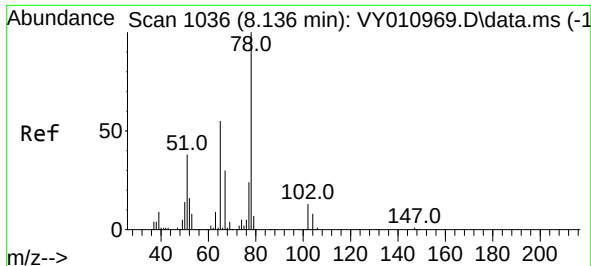
Reviewed By :Krupa Patel 10/21/2022  
Supervised By :Mahesh Dadoda 10/21/2022



#17  
Carbon Disulfide  
Concen: 1.318 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.012 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12

Tgt Ion: 76 Resp: 12242  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.0





#33

1,2-Dichloroethane-d4

Concen: 56.050 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY011017.D

Acq: 20 Oct 2022 12:12

Instrument :

MSVOA\_Y

ClientSampleId :

LSP-SS-03-01-03-D

Tgt Ion: 65 Resp: 17244

Ion Ratio Lower Upper

65 100

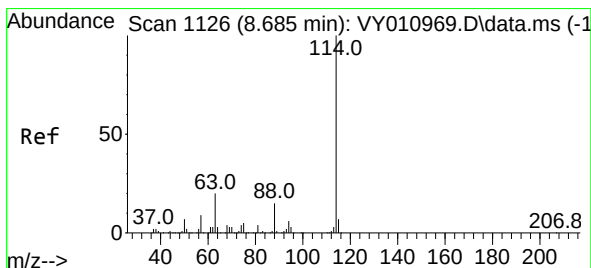
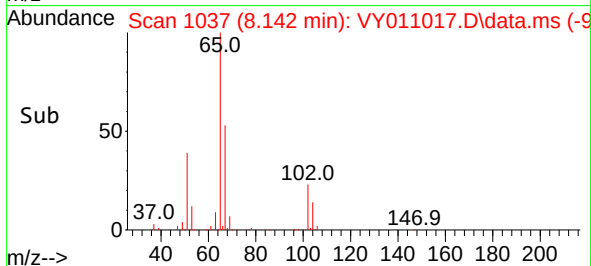
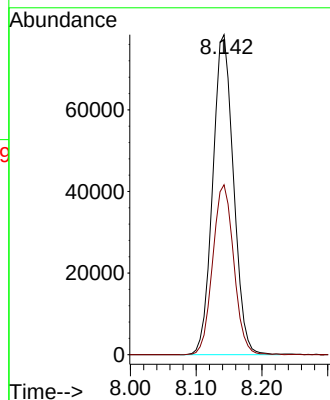
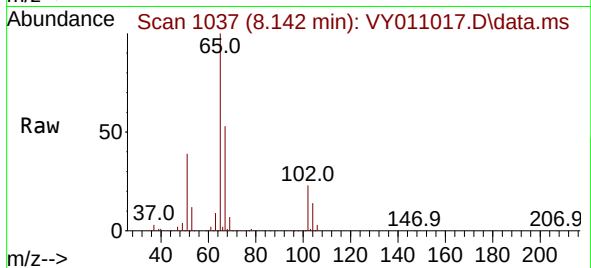
67 53.9 0.0 99.4

Manual Integrations

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Supervised By :Mahesh Dadoda 10/21/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011017.D

Acq: 20 Oct 2022 12:12

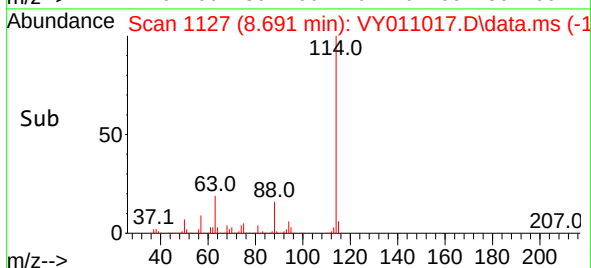
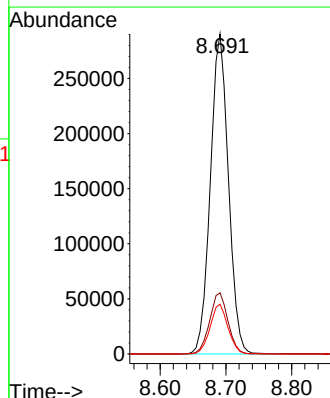
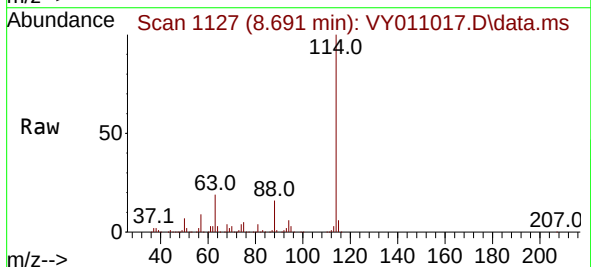
Tgt Ion:114 Resp: 554661

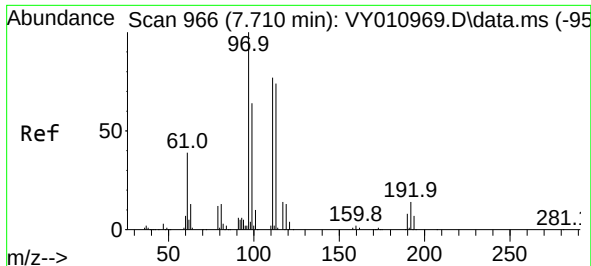
Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 59.352 ug/l

RT: 7.715 min Scan# 90

Delta R.T. 0.005 min

Lab File: VY011017.D

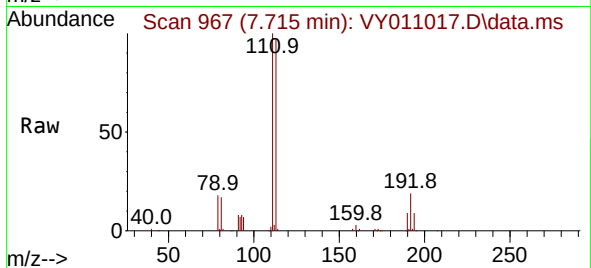
Acq: 20 Oct 2022 12:12

Instrument :

MSVOA\_Y

ClientSampleId :

LSP-SS-03-01-03-D



Tgt Ion:113 Resp: 182259

Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

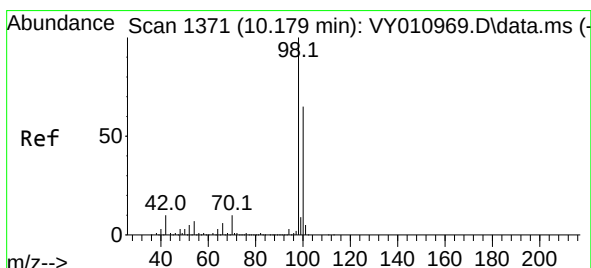
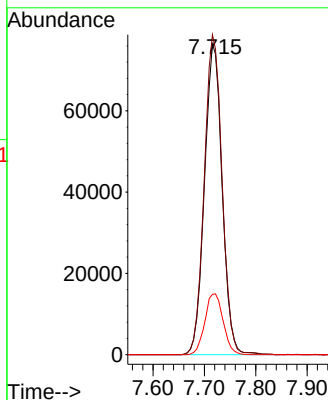
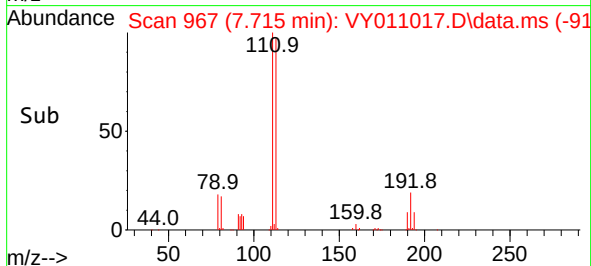
192 20.3 17.6 26.4

Manual Integrations

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Supervised By :Mahesh Dadoda 10/21/2022



#50

Toluene-d8

Concen: 57.603 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.001 min

Lab File: VY011017.D

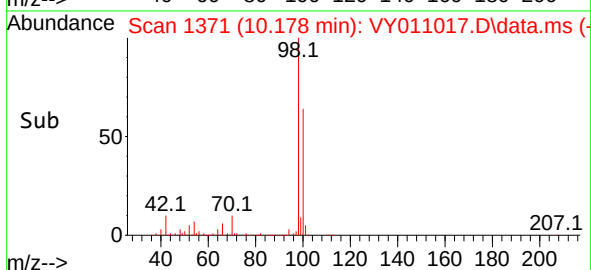
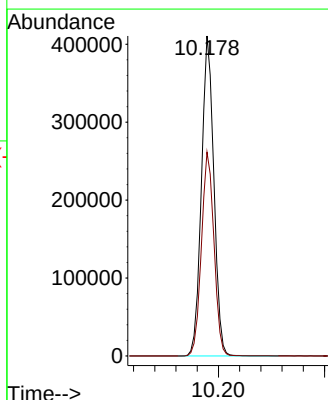
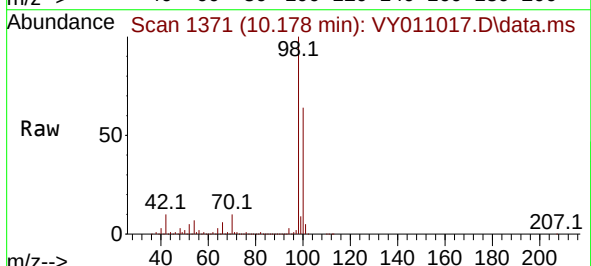
Acq: 20 Oct 2022 12:12

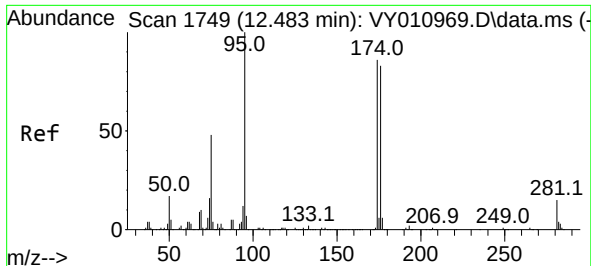
Tgt Ion: 98 Resp: 667121

Ion Ratio Lower Upper

98 100

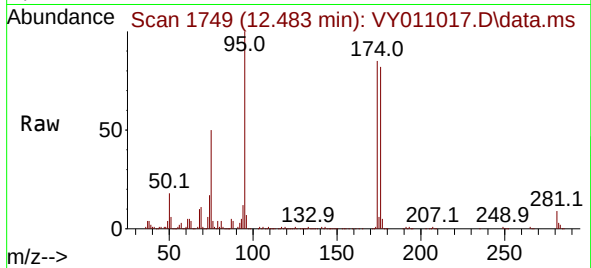
100 64.5 50.2 75.2





#62  
4-Bromofluorobenzene  
Concen: 42.494 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12

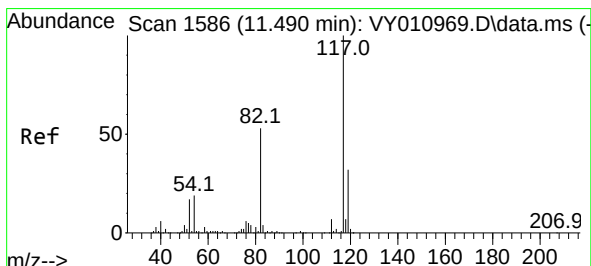
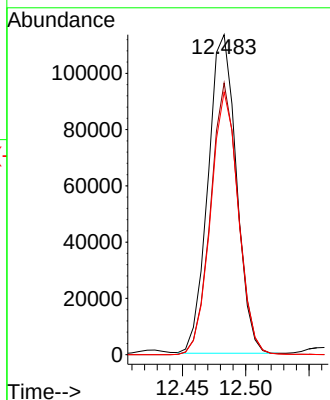
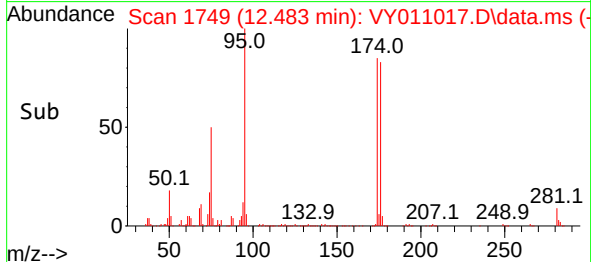
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LSP-SS-03-01-03-D



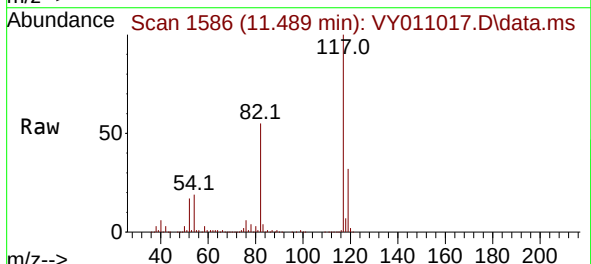
Tgt Ion: 95 Resp: 176220  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 177.0  
176 80.9 0.0 175.8

Manual Integrations  
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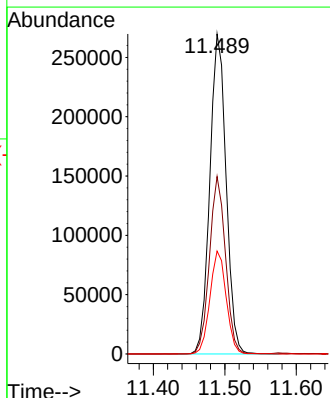
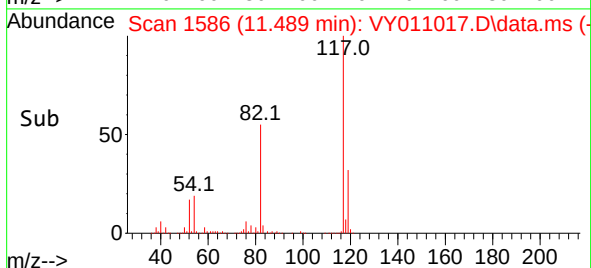
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Supervised By :Mahesh Dadoda 10/21/2022

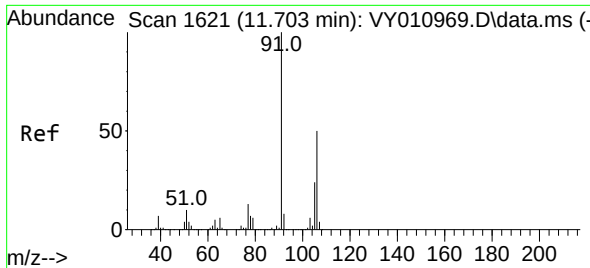


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12



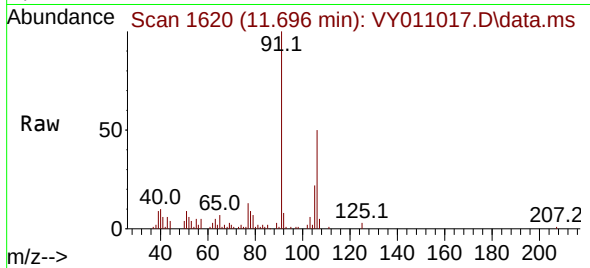
Tgt Ion:117 Resp: 426337  
Ion Ratio Lower Upper  
117 100  
82 55.4 43.0 64.4  
119 32.2 25.4 38.0





#68  
m/p-Xylenes  
Concen: 1.586 ug/l  
RT: 11.696 min Scan# 1620  
Delta R.T. -0.007 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12

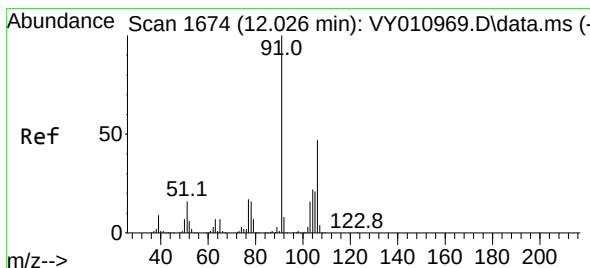
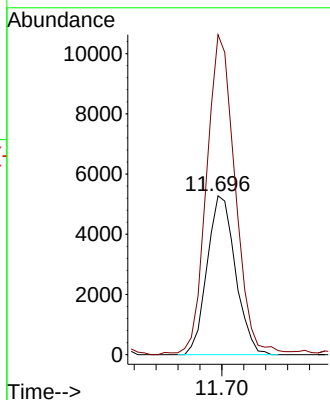
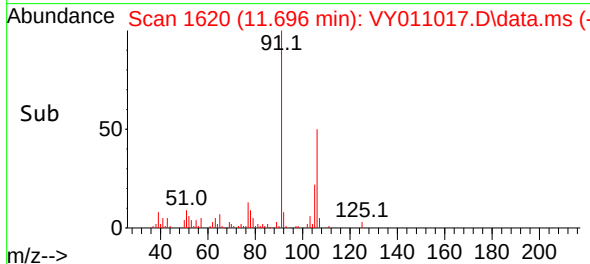
Instrument :  
MSVOA\_Y  
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LSP-SS-03-01-03-D



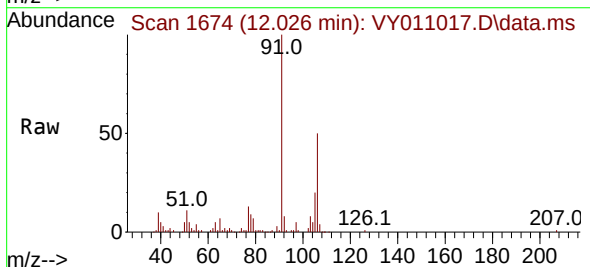
Tgt Ion:106 Resp: 944  
Ion Ratio Lower Upper  
106 100  
91 204.2 166.6 249.8

Manual Integrations  
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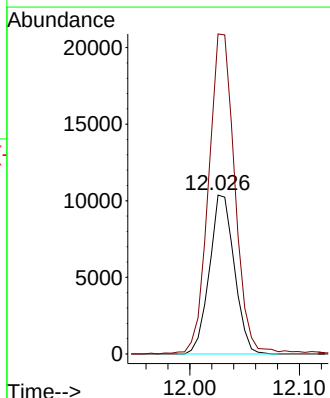
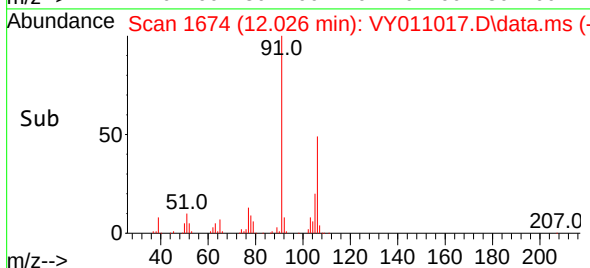
Reviewed By :Krupa Patel 10/21/2022  
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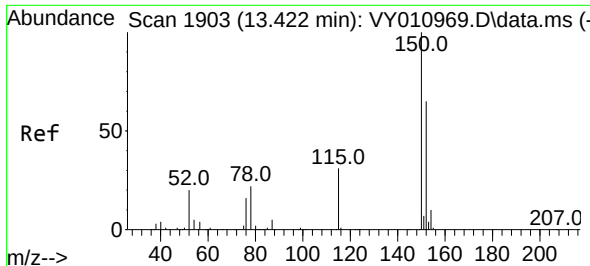


#69  
o-Xylene  
Concen: 2.892 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12



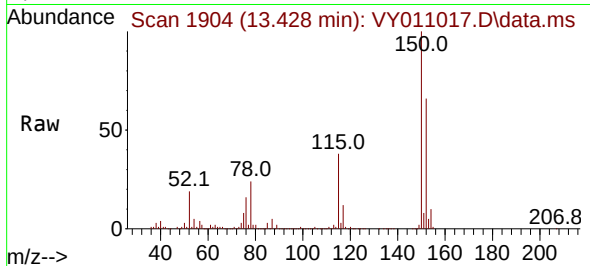
Tgt Ion:106 Resp: 16356  
Ion Ratio Lower Upper  
106 100  
91 214.0 110.3 331.0





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1903  
Delta R.T. 0.006 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12

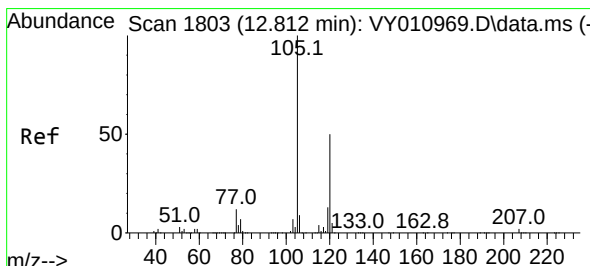
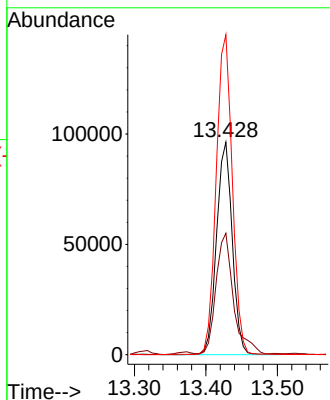
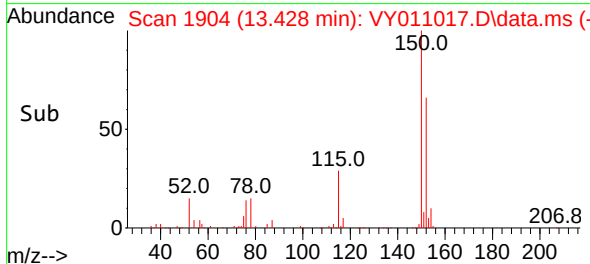
Instrument :  
MSVOA\_Y  
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LSP-SS-03-01-03-D



Tgt Ion:152 Resp: 146760  
Ion Ratio Lower Upper  
152 100  
115 63.1 28.2 84.7  
150 153.7 0.0 347.6

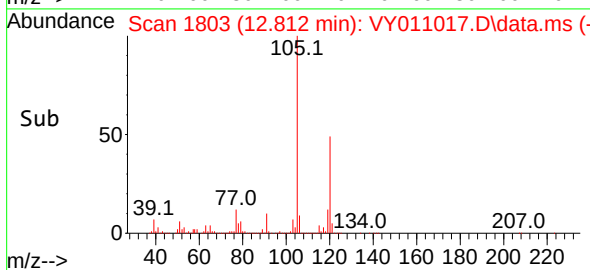
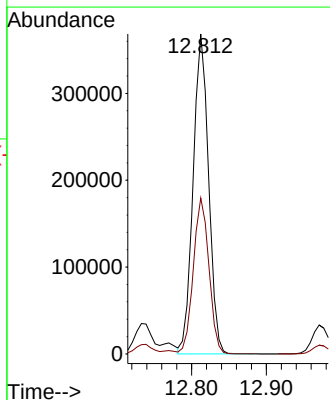
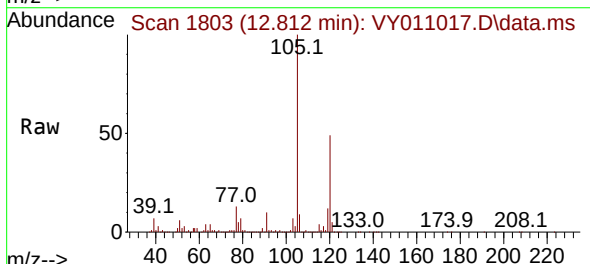
Manual Integrations  
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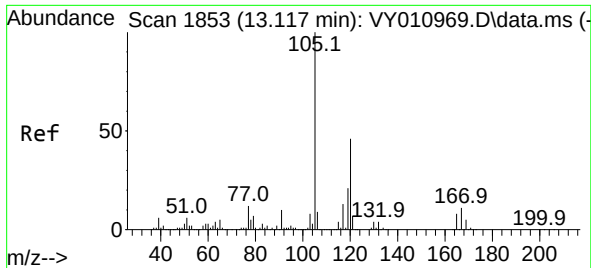


#80  
1,3,5-Trimethylbenzene  
Concen: 59.430 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12

Tgt Ion:105 Resp: 528733  
Ion Ratio Lower Upper  
105 100  
120 49.2 24.4 73.4

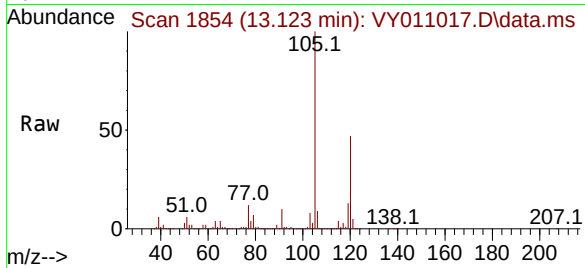






#84  
1,2,4-Trimethylbenzene  
Concen: 51.912 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12

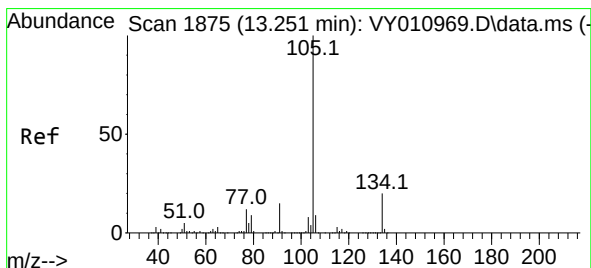
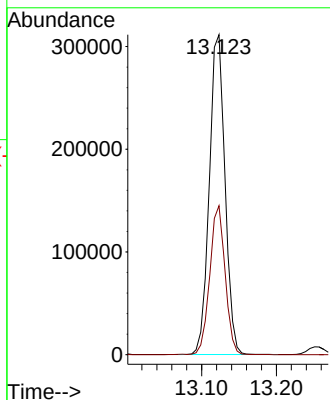
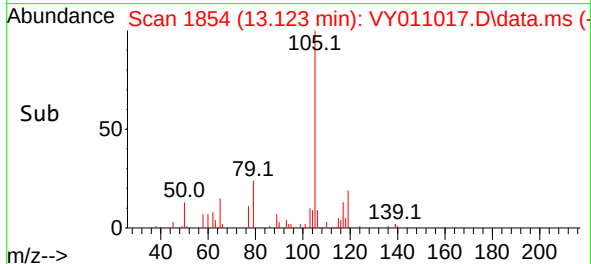
Instrument :  
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LSP-SS-03-01-03-D



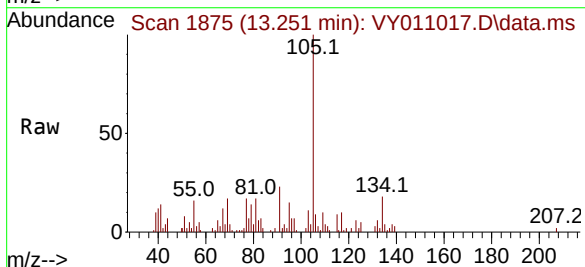
Tgt Ion:105 Resp: 455420  
Ion Ratio Lower Upper  
105 100  
120 45.7 22.3 66.9

Manual Integrations  
APPROVED

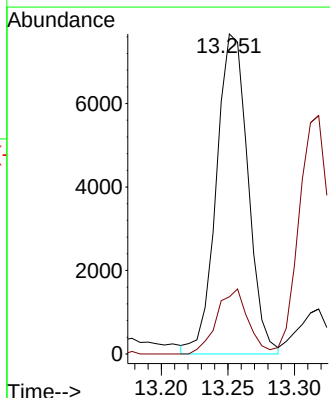
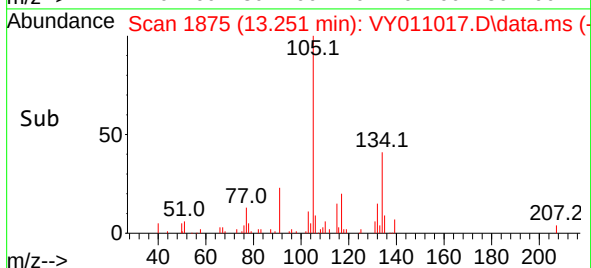
Reviewed By :Krupa Patel 10/21/2022  
Supervised By :Mahesh Dadoda 10/21/2022

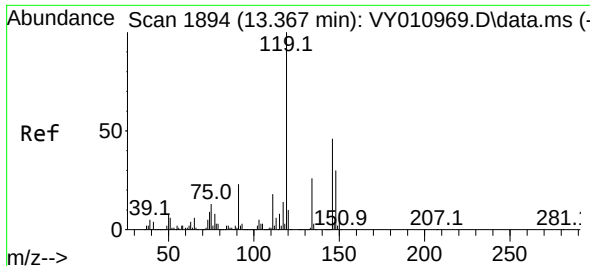


#85  
sec-Butylbenzene  
Concen: 1.095 ug/l m  
RT: 13.251 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12



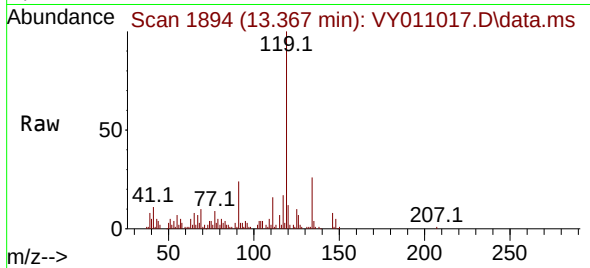
Tgt Ion:105 Resp: 12659  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.2 30.4#





#86  
p-Isopropyltoluene  
Concen: 2.315 ug/l  
RT: 13.367 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12

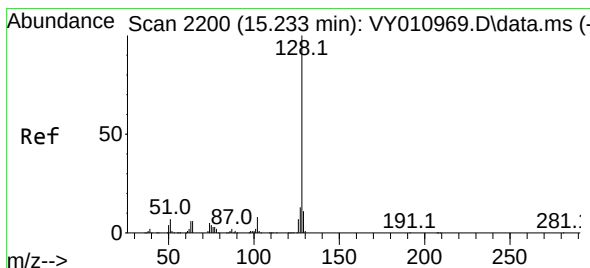
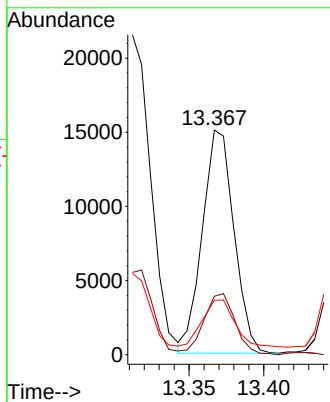
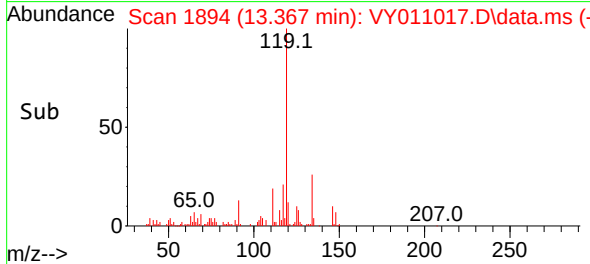
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LSP-SS-03-01-03-D



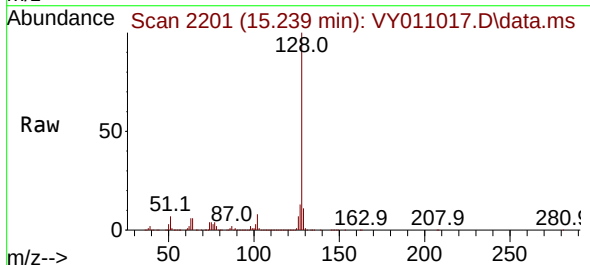
Tgt Ion:119 Resp: 22200  
Ion Ratio Lower Upper  
119 100  
134 26.9 13.2 39.5  
91 21.7 12.4 37.2

Manual Integrations  
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#95  
Naphthalene  
Concen: 170.456 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.006 min  
Lab File: VY011017.D  
Acq: 20 Oct 2022 12:12



Tgt Ion:128 Resp: 923334  
Ion Ratio Lower Upper  
128 100  
127 12.7 11.0 16.4  
129 10.9 8.4 12.6

