

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020722\  
 Data File : VX026797.D  
 Acq On : 07 Feb 2022 20:06  
 Operator : JC/MD  
 Sample : N1345-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 34024

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/08/2022  
 Supervised By : Mahesh Dadoda 02/08/2022

Quant Time: Feb 07 23:34:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.562          | 168  | 139333     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769          | 114  | 223063     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 179976     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.055         | 152  | 74999      | 50.000   | ug/l   | 0.03     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964          | 65   | 82648      | 42.462   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 84.920%  |        |          |
| 35) Dibromofluoromethane    | 5.397          | 113  | 69860      | 48.498   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 97.000%  |        |          |
| 50) Toluene-d8              | 8.653          | 98   | 252987     | 48.737   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 97.480%  |        |          |
| 62) 4-Bromofluorobenzene    | 11.085         | 95   | 88663      | 48.082   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 96.160%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 11) Tert butyl alcohol      | 2.983          | 59   | 255143     | 942.313  | ug/l # | 88       |
| 13) Acrolein                | 2.252          | 56   | 1694       | 5.888    | ug/l   | 86       |
| 16) Acetone                 | 2.386          | 43   | 1644464    | 1656.762 | ug/l   | 96       |
| 18) Methyl Acetate          | 2.709          | 43   | 128566     | 65.153   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether | 3.117          | 73   | 26719      | 5.060    | ug/l   | 99       |
| 20) Methylene Chloride      | 2.794          | 84   | 3224       | 1.966    | ug/l   | 95       |
| 25) 2-Butanone              | 4.568          | 43   | 463656     | 359.196  | ug/l # | 90       |
| 40) Benzene                 | 6.044          | 78   | 7115       | 1.132    | ug/l   | 98       |
| 43) Isopropyl Acetate       | 6.348          | 43   | 50461m     | 13.580   | ug/l   |          |
| 51) 4-Methyl-2-Pentanone    | 8.580          | 43   | 37609m     | 17.064   | ug/l   |          |
| 52) Toluene                 | 8.720          | 92   | 132563     | 34.393   | ug/l   | 100      |
| 59) 2-Hexanone              | 9.439          | 43   | 11746m     | 6.963    | ug/l   |          |
| 67) Ethyl Benzene           | 10.195         | 91   | 79368      | 11.524   | ug/l   | 97       |
| 68) m/p-Xylenes             | 10.305         | 106  | 151736     | 58.870   | ug/l   | 97       |
| 69) o-Xylene                | 10.646         | 106  | 88336      | 35.518   | ug/l   | 98       |
| 73) Isopropylbenzene        | 10.963         | 105  | 21842      | 3.553    | ug/l   | 99       |
| 78) n-propylbenzene         | 11.311         | 91   | 55982      | 7.986    | ug/l   | 87       |
| 80) 1,3,5-Trimethylbenzene  | 11.457         | 105  | 123023     | 24.273   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.762         | 105  | 558604     | 110.195  | ug/l   | 99       |
| 85) sec-Butylbenzene        | 11.908         | 105  | 22990      | 3.757    | ug/l   | 90       |
| 95) Naphthalene             | 13.780         | 128  | 134293     | 25.173   | ug/l   | 97       |
| -----                       |                |      |            |          |        |          |

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

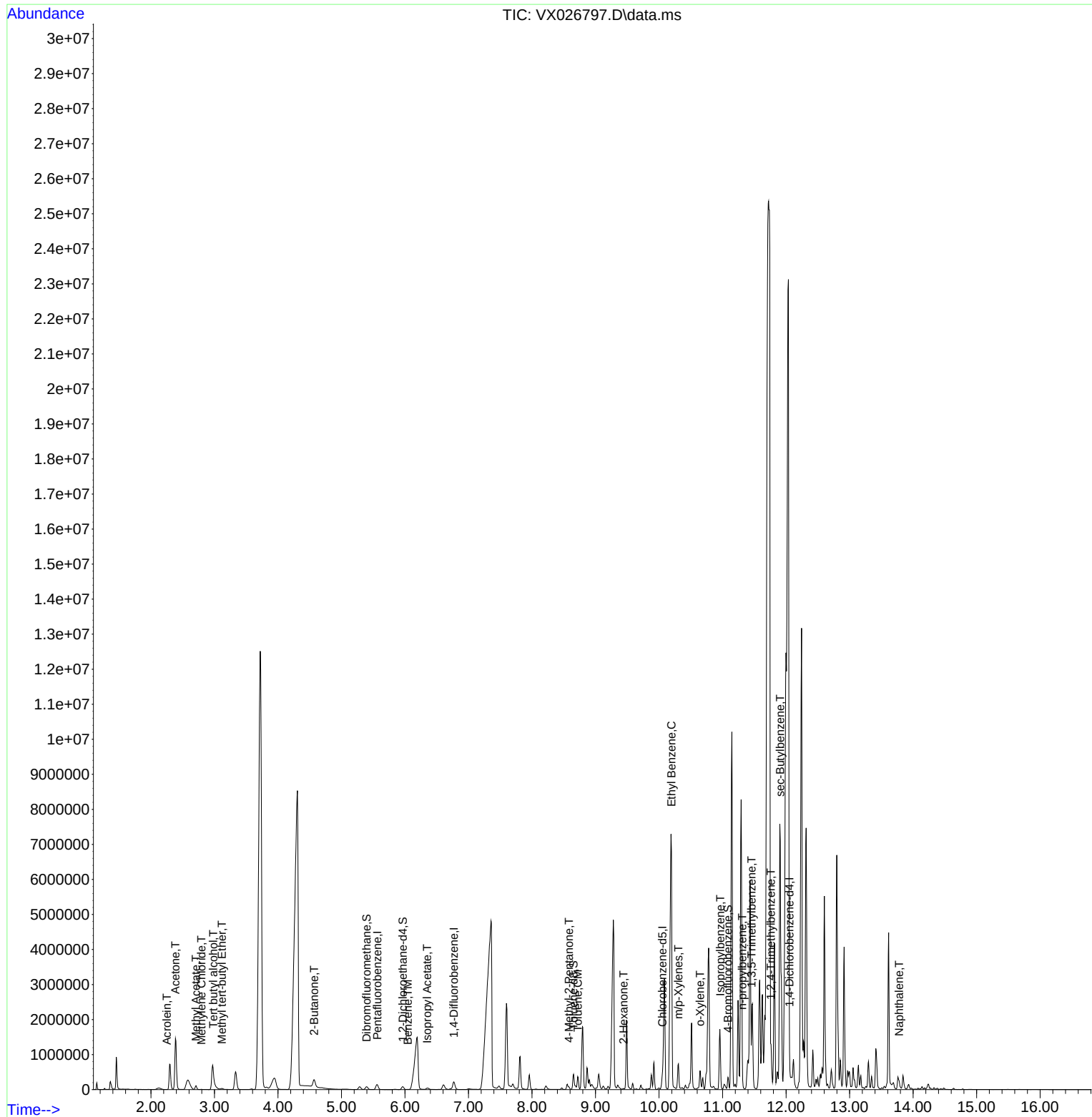
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020722\  
Data File : VX026797.D  
Acq On : 07 Feb 2022 20:06  
Operator : JC/MD  
Sample : N1345-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

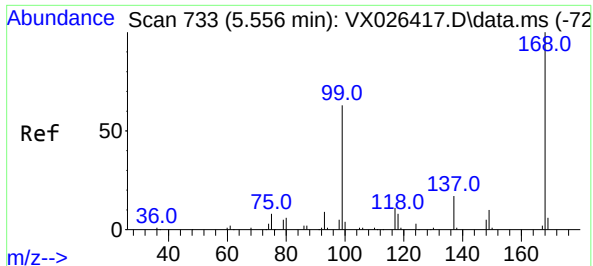
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024

Quant Time: Feb 07 23:34:23 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

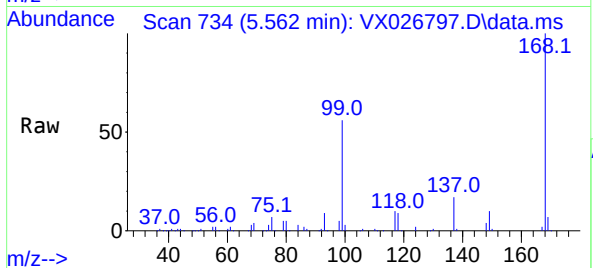
Reviewed By : John Carlone 02/08/2022  
Supervised By : Mahesh Dadoda 02/08/2022





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

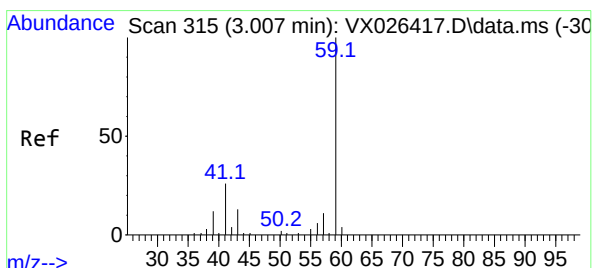
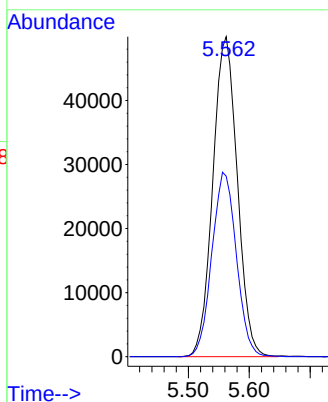
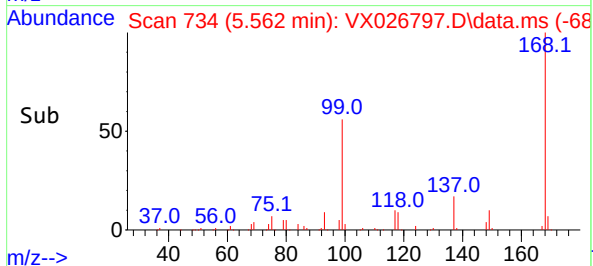
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024



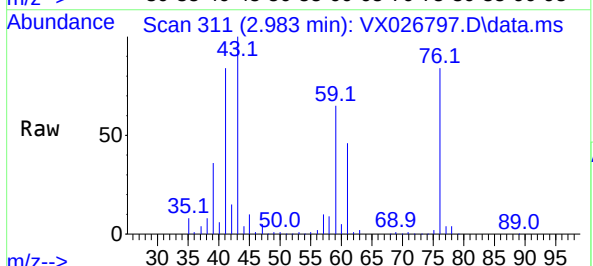
Tgt Ion:168 Resp: 13933  
Ion Ratio Lower Upper  
168 100  
99 56.4 50.3 75.5

Manual Integrations  
APPROVED

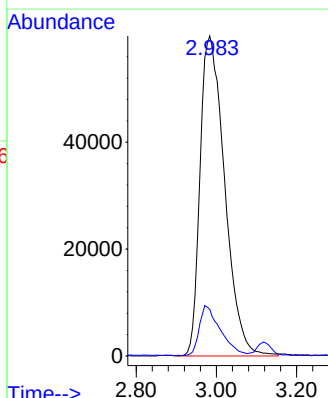
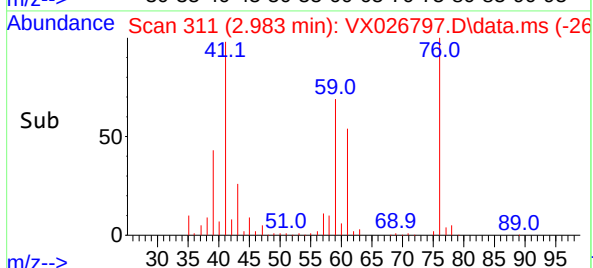
Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022

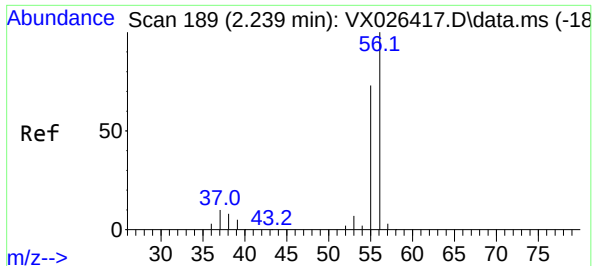


#11  
Tert butyl alcohol  
Concen: 942.313 ug/l  
RT: 2.983 min Scan# 311  
Delta R.T. -0.024 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06



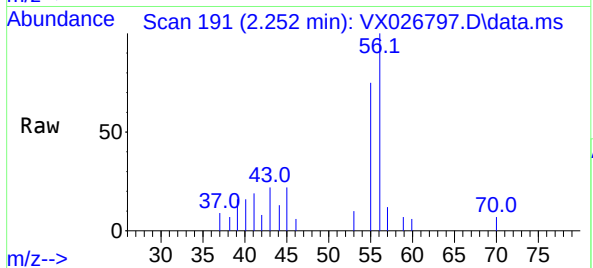
Tgt Ion: 59 Resp: 255143  
Ion Ratio Lower Upper  
59 100  
57 13.3 7.2 10.8#





#13  
Acrolein  
Concen: 5.888 ug/l  
RT: 2.252 min Scan# 191  
Delta R.T. 0.012 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

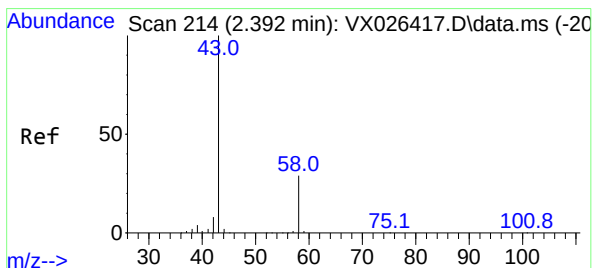
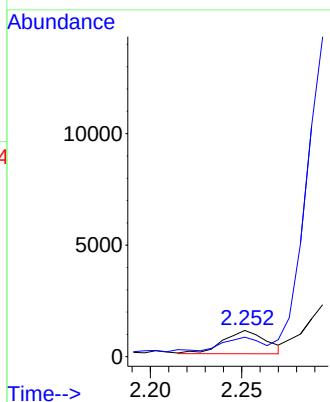
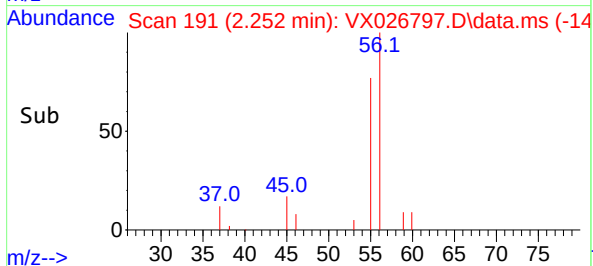
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024



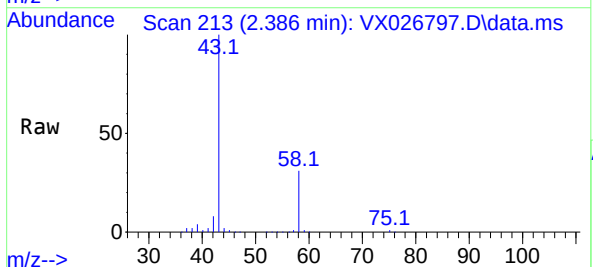
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Ion Ratio Lower Upper  
56 100  
55 59.9 56.9 85.3

Manual Integrations  
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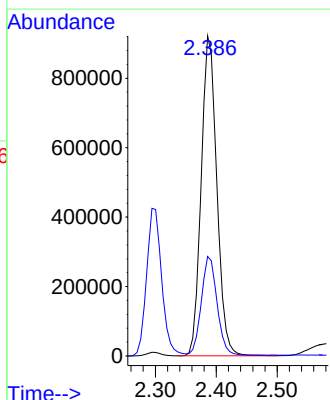
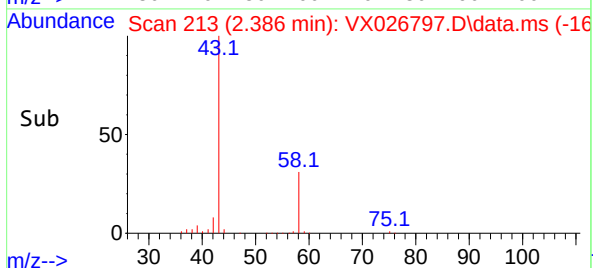
Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022

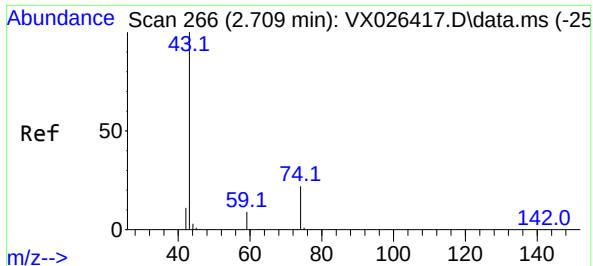


#16  
Acetone  
Concen: 1656.762 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06



Tgt Ion: 43 Resp: 1644464  
Ion Ratio Lower Upper  
43 100  
58 30.9 23.0 34.6





#18

Methyl Acetate

Concen: 65.153 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX026797.D

Acq: 07 Feb 2022 20:06

Instrument :

MSVOA\_X

ClientSampleId :

34024

Tgt Ion: 43 Resp: 12856

Ion Ratio Lower Upper

43 100

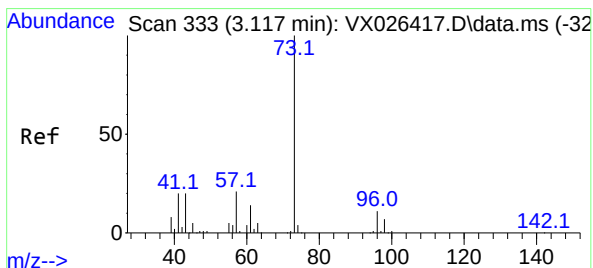
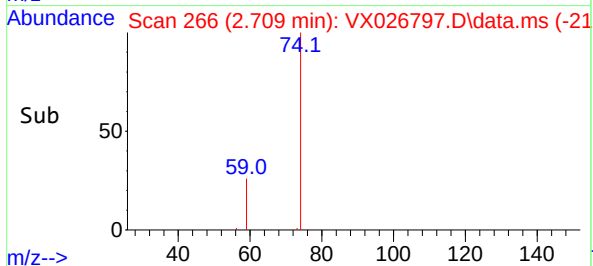
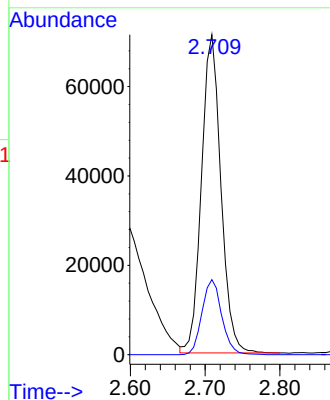
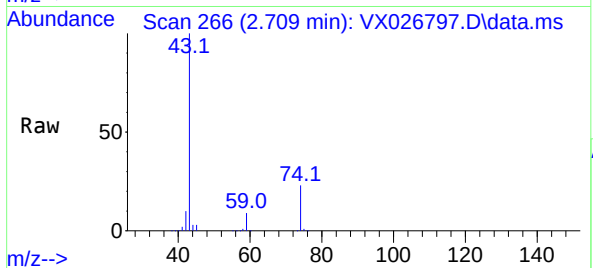
74 23.9 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/08/2022

Supervised By :Mahesh Dadoda 02/08/2022



#19

Methyl tert-butyl Ether

Concen: 5.060 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX026797.D

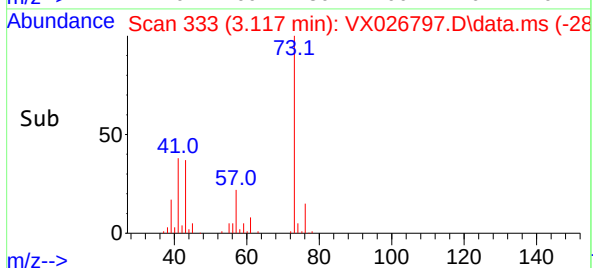
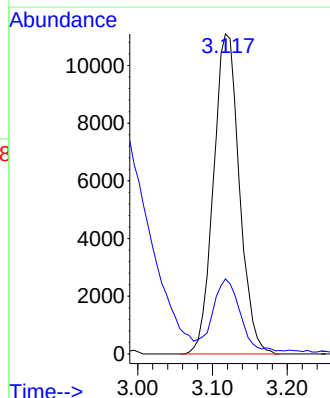
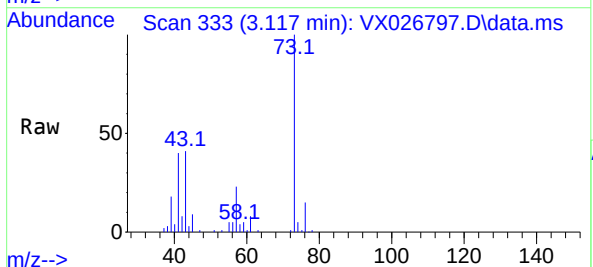
Acq: 07 Feb 2022 20:06

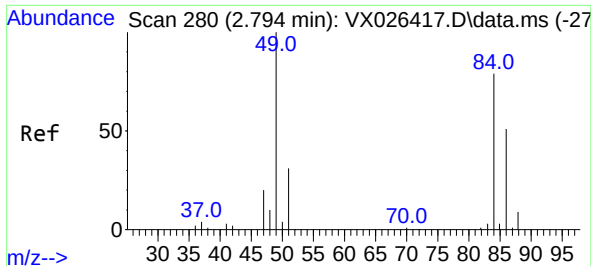
Tgt Ion: 73 Resp: 26719

Ion Ratio Lower Upper

73 100

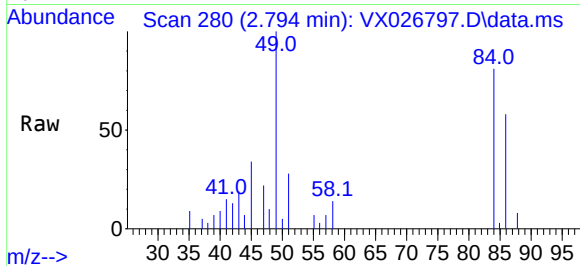
57 22.4 17.4 26.2





#20  
Methylene Chloride  
Concen: 1.966 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

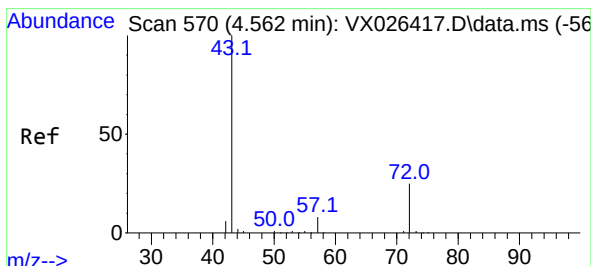
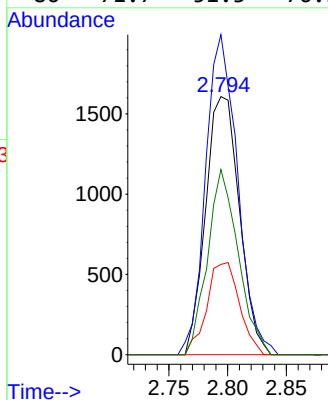
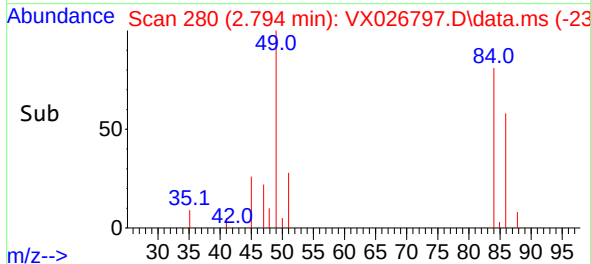
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024



Tgt Ion: 84 Resp: 3224  
Ion Ratio Lower Upper  
84 100  
49 124.0 101.5 152.3  
51 35.0 31.2 46.8  
86 71.7 51.3 76.9

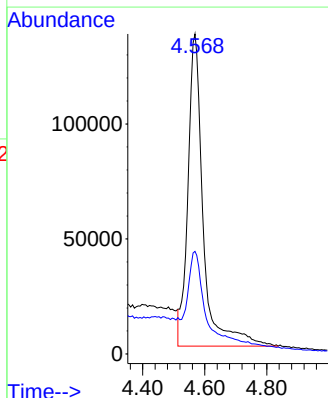
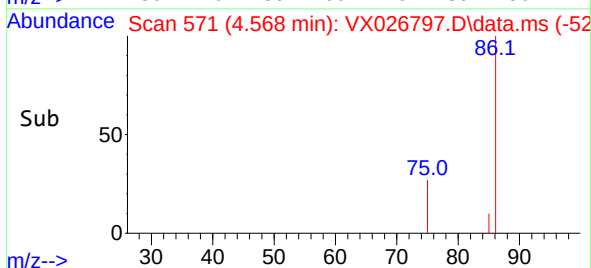
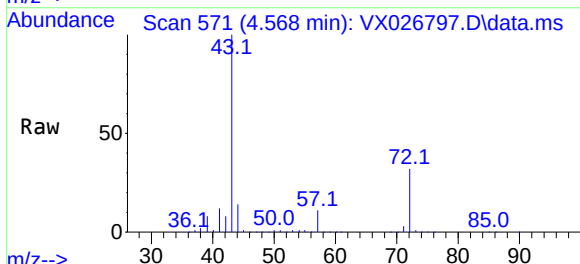
Manual Integrations  
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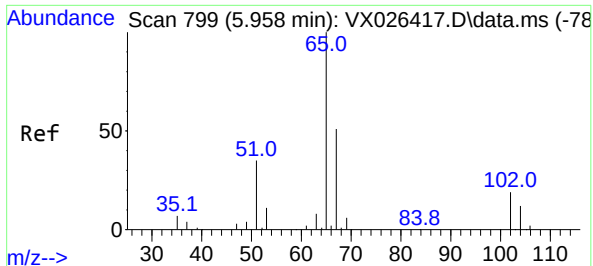
Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022



#25  
2-Butanone  
Concen: 359.196 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

Tgt Ion: 43 Resp: 463656  
Ion Ratio Lower Upper  
43 100  
72 30.7 20.4 30.6#





#33

1,2-Dichloroethane-d4

Concen: 42.462 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX026797.D

Acq: 07 Feb 2022 20:06

Instrument :

MSVOA\_X

ClientSampleId :

34024

Tgt Ion: 65 Resp: 8264

Ion Ratio Lower Upper

65 100

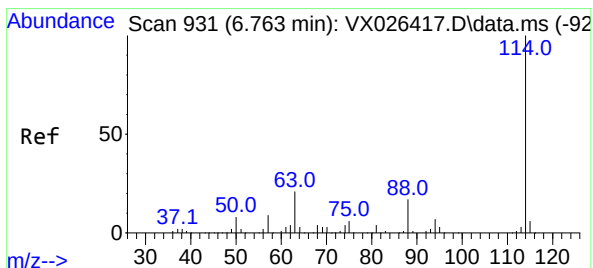
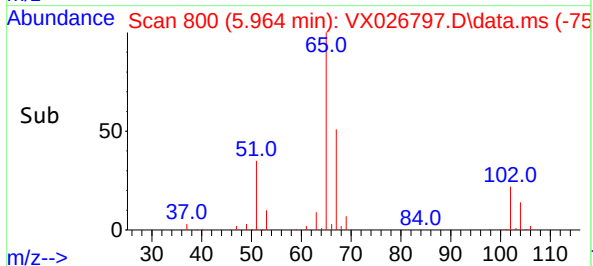
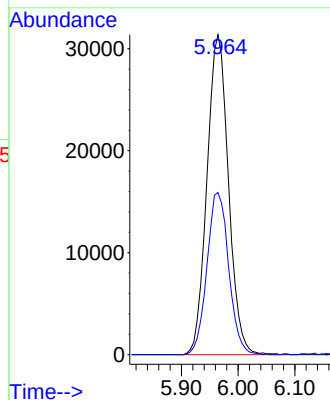
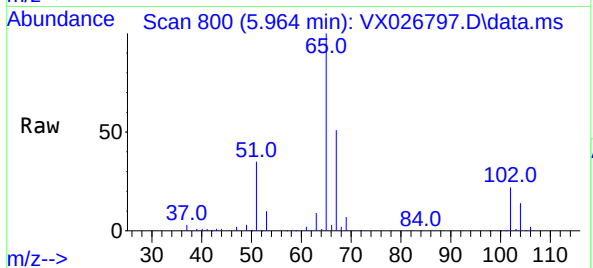
67 51.3 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/08/2022

Supervised By :Mahesh Dadoda 02/08/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX026797.D

Acq: 07 Feb 2022 20:06

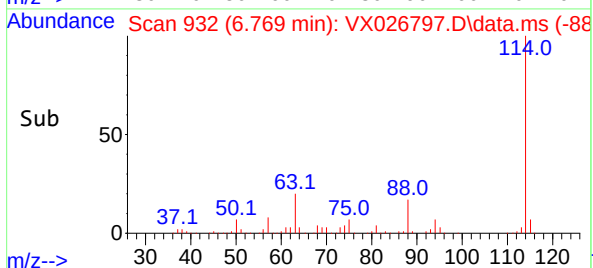
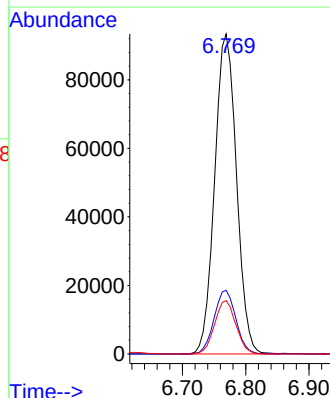
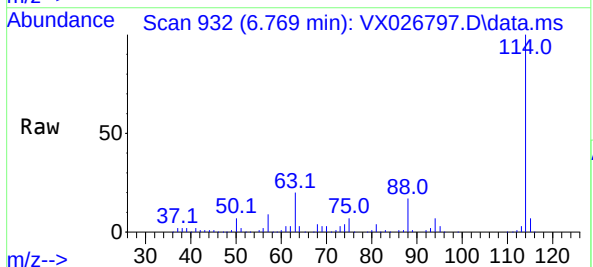
Tgt Ion:114 Resp: 223063

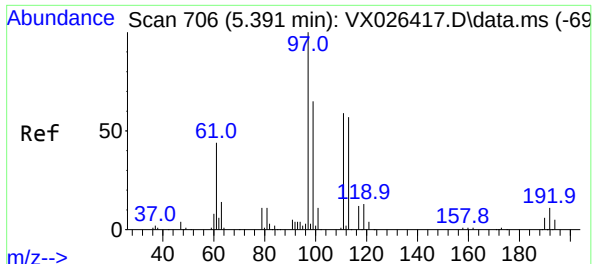
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

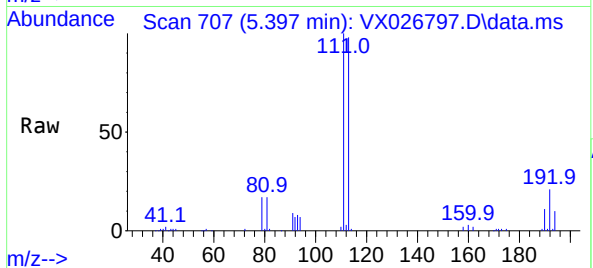
88 16.7 0.0 33.0





#35  
Dibromofluoromethane  
Concen: 48.498 ug/l  
RT: 5.397 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

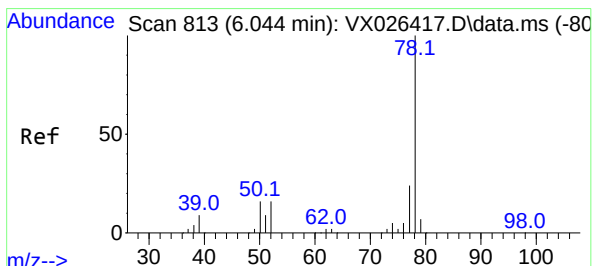
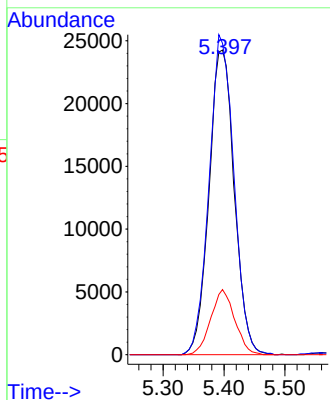
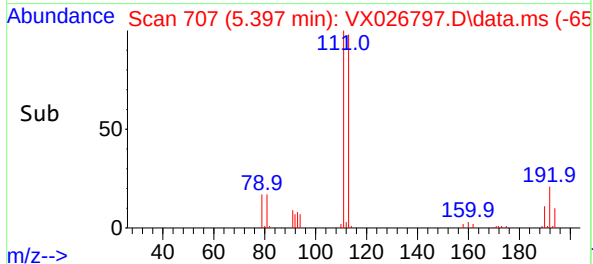
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024



Tgt Ion:113 Resp: 69860  
Ion Ratio Lower Upper  
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111 103.2 81.2 121.8  
192 20.3 15.0 22.4

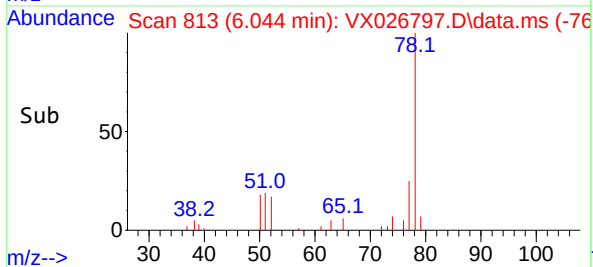
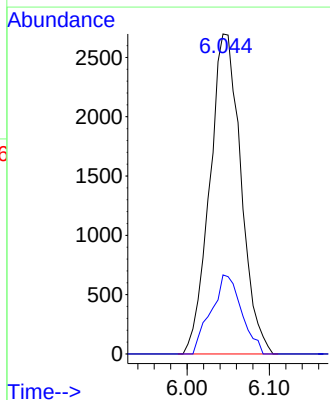
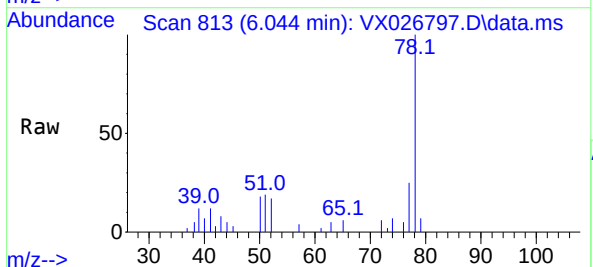
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Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022

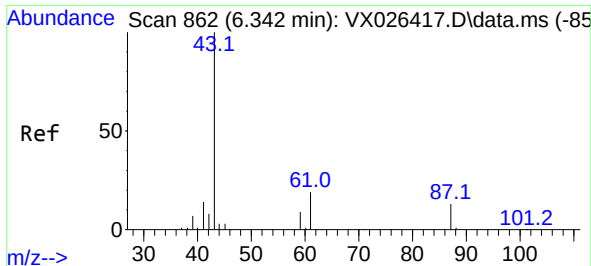


#40  
Benzene  
Concen: 1.132 ug/l  
RT: 6.044 min Scan# 813  
Delta R.T. 0.000 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

Tgt Ion: 78 Resp: 7115  
Ion Ratio Lower Upper  
78 100  
77 24.7 18.9 28.3

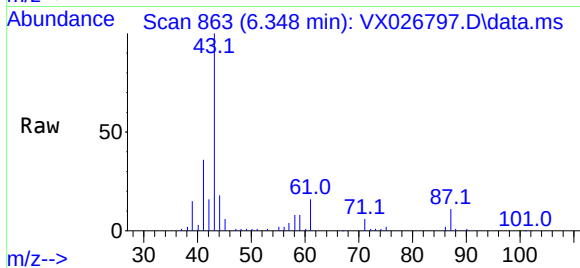






#43  
Isopropyl Acetate  
Concen: 13.580 ug/l m  
RT: 6.348 min Scan# 863  
Delta R.T. 0.006 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

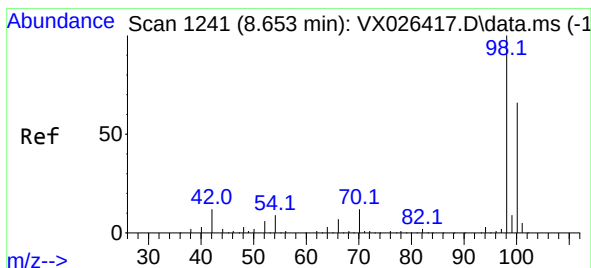
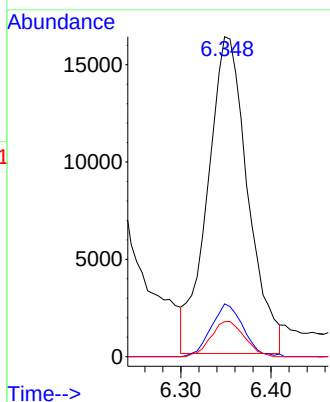
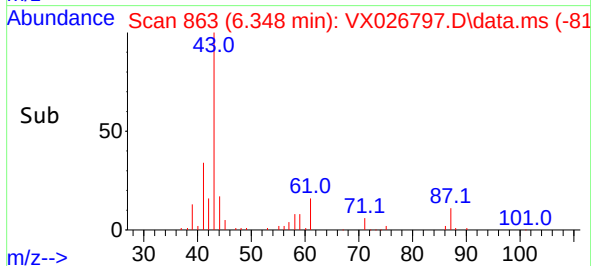
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024



Tgt Ion: 43 Resp: 5046  
Ion Ratio Lower Upper  
43 100  
61 0.0 15.4 23.0  
87 0.0 10.2 15.2

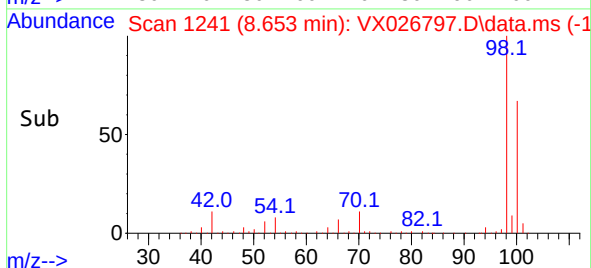
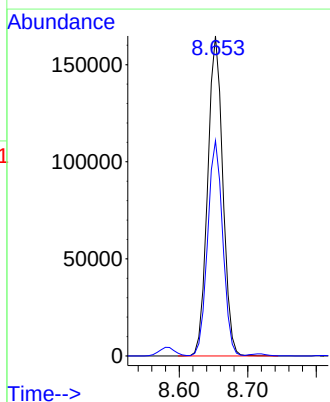
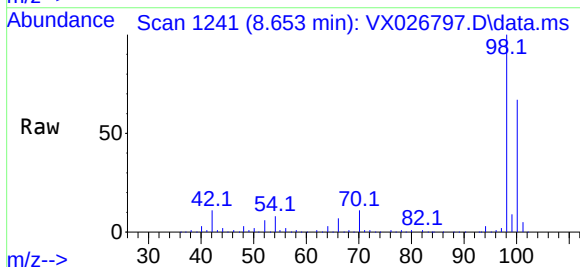
Manual Integrations  
APPROVED

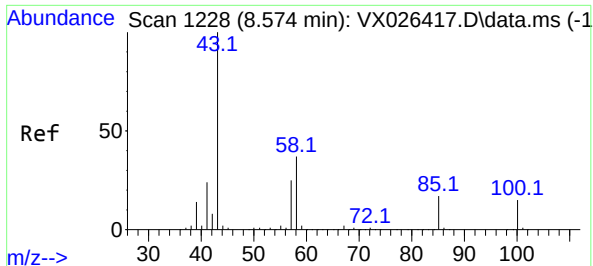
Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022



#50  
Toluene-d8  
Concen: 48.737 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

Tgt Ion: 98 Resp: 252987  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 17.064 ug/l m

RT: 8.580 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX026797.D

Acq: 07 Feb 2022 20:06

Instrument :

MSVOA\_X

ClientSampleId :

34024

Tgt Ion: 43 Resp: 37609

Ion Ratio Lower Upper

43 100

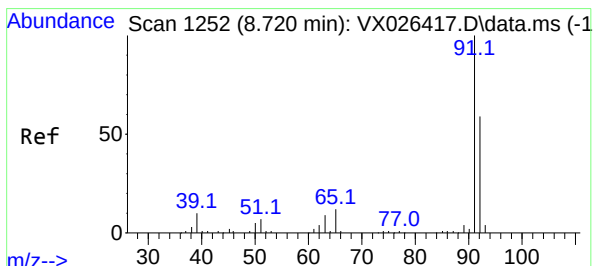
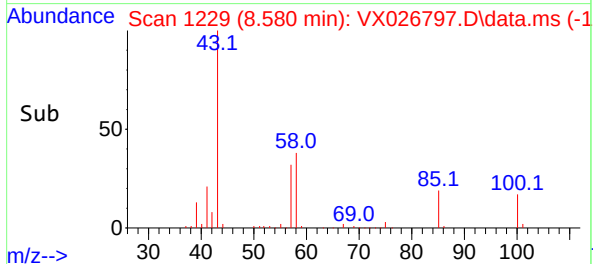
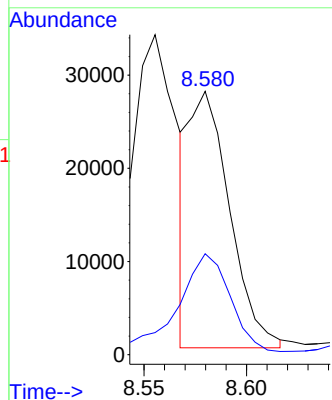
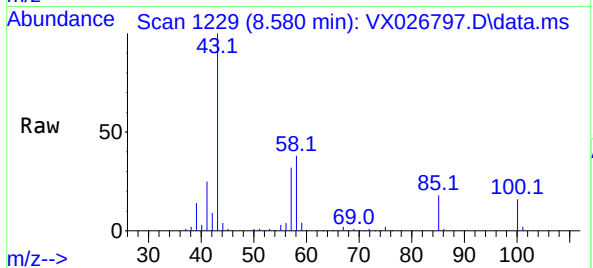
58 0.0 30.5 45.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/08/2022

Supervised By :Mahesh Dadoda 02/08/2022



#52

Toluene

Concen: 34.393 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX026797.D

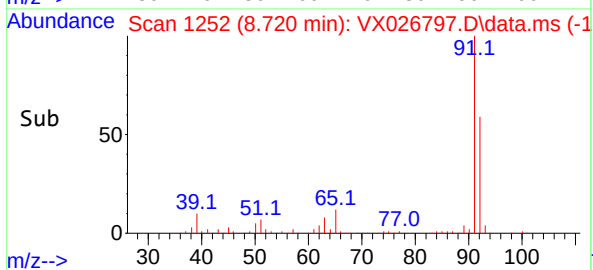
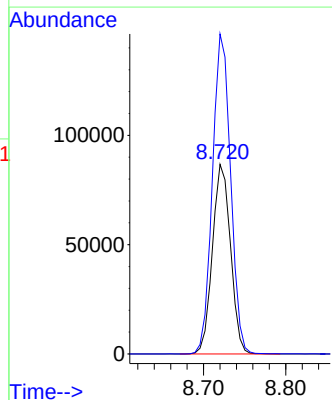
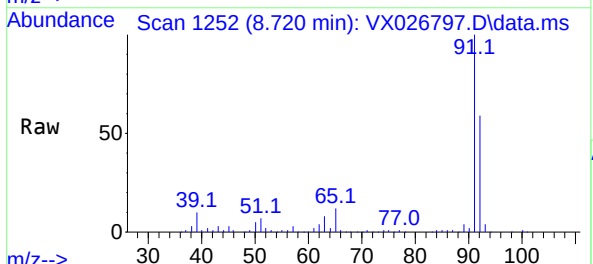
Acq: 07 Feb 2022 20:06

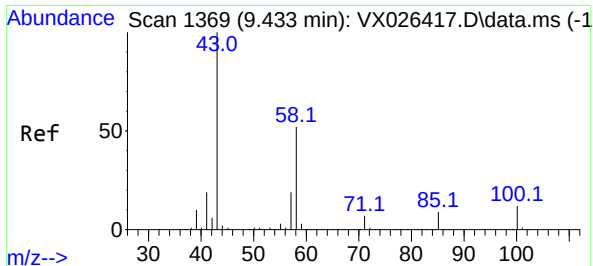
Tgt Ion: 92 Resp: 132563

Ion Ratio Lower Upper

92 100

91 169.6 135.7 203.5





#59

2-Hexanone

Concen: 6.963 ug/l m

RT: 9.439 min Scan# 11740

Delta R.T. 0.006 min

Lab File: VX026797.D

Acq: 07 Feb 2022 20:06

Instrument :

MSVOA\_X

ClientSampleId :

34024

Tgt Ion: 43 Resp: 11740

Ion Ratio Lower Upper

43 100

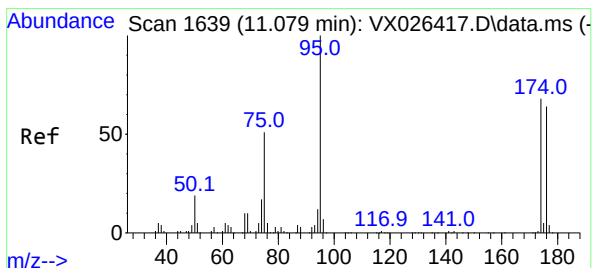
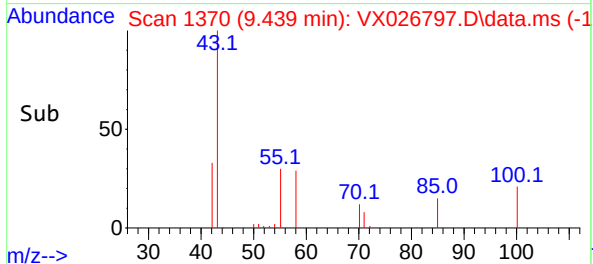
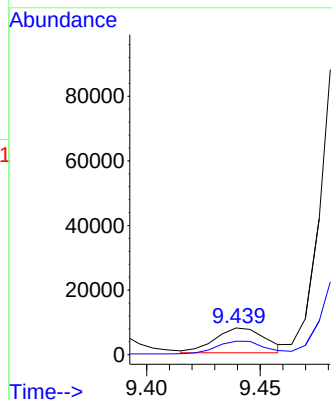
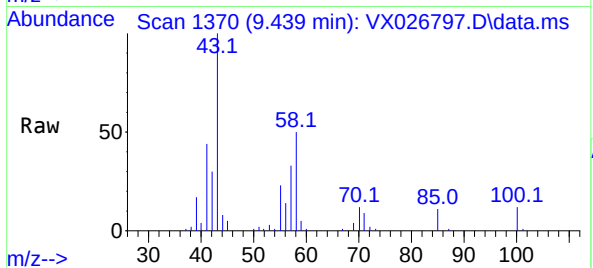
58 415.0 26.4 79.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/08/2022

Supervised By :Mahesh Dadoda 02/08/2022



#62

4-Bromofluorobenzene

Concen: 48.082 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX026797.D

Acq: 07 Feb 2022 20:06

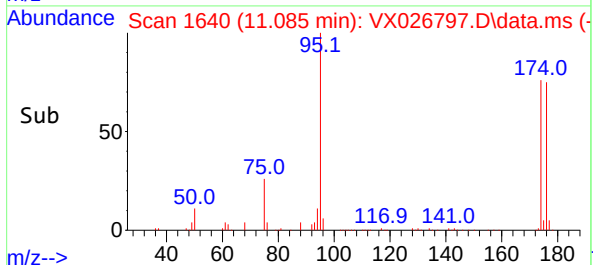
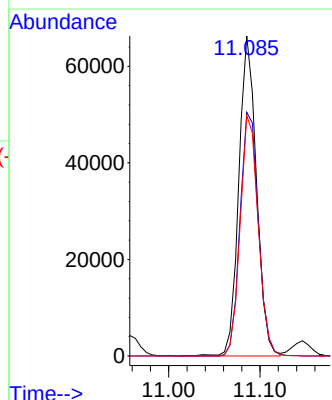
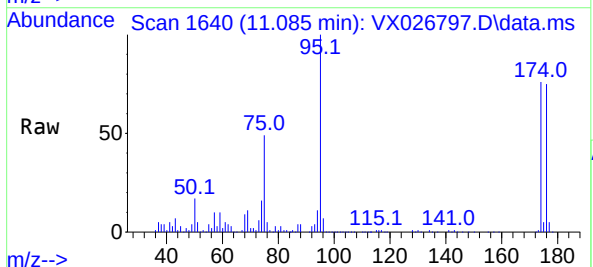
Tgt Ion: 95 Resp: 88663

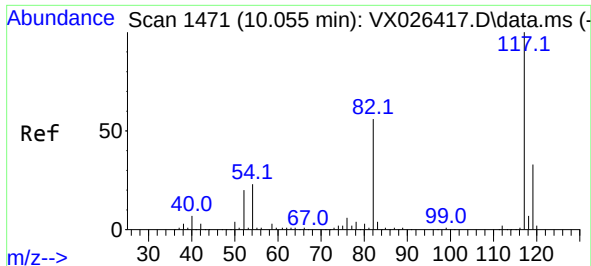
Ion Ratio Lower Upper

95 100

174 79.0 0.0 148.6

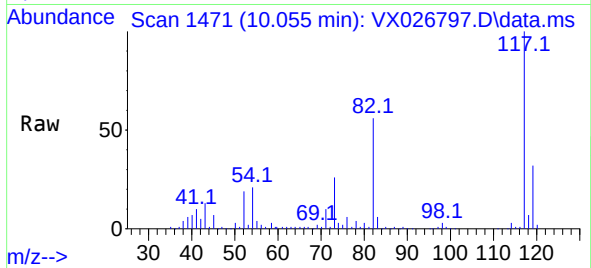
176 76.5 0.0 141.4





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

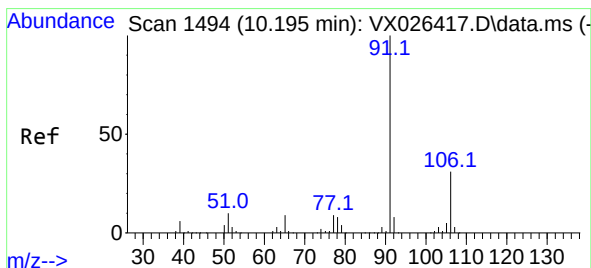
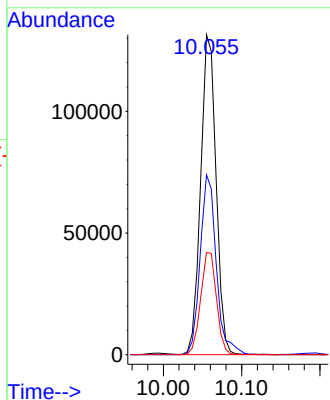
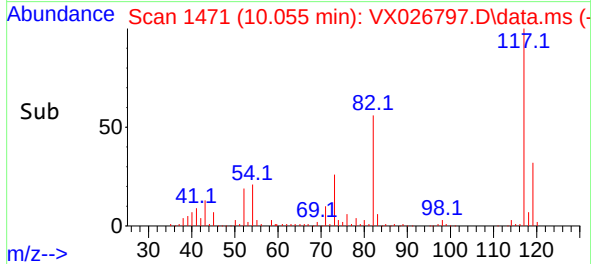
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024



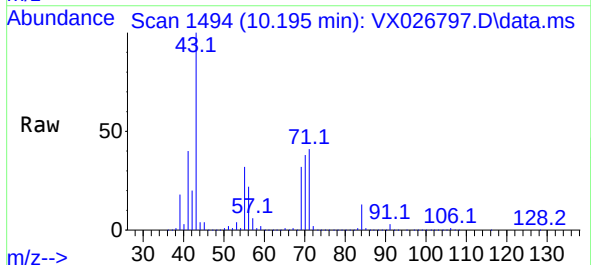
Tgt Ion:117 Resp: 179970  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.2 67.8  
119 31.9 26.2 39.2

Manual Integrations  
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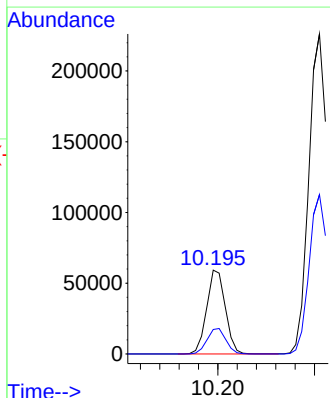
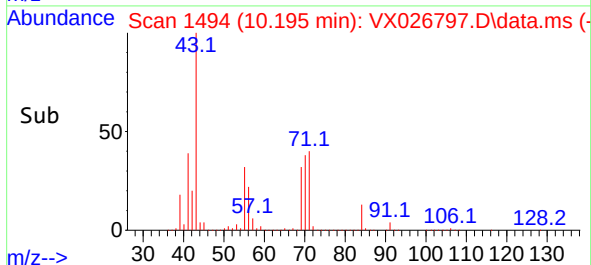
Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022

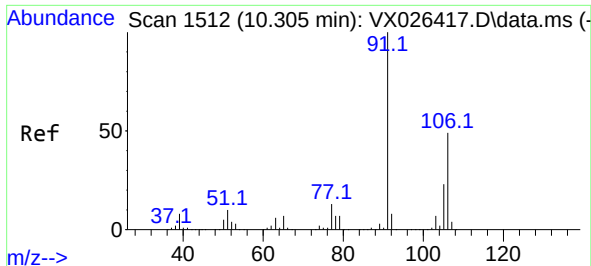


#67  
Ethyl Benzene  
Concen: 11.524 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06



Tgt Ion: 91 Resp: 79368  
Ion Ratio Lower Upper  
91 100  
106 29.3 24.7 37.1





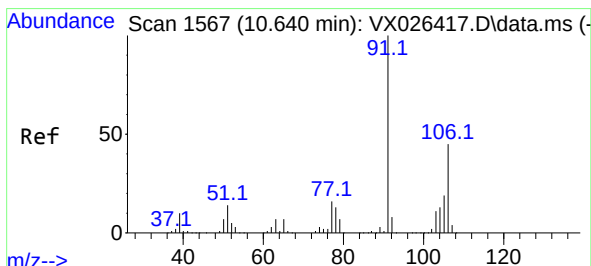
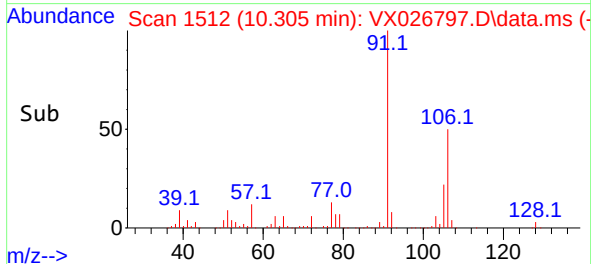
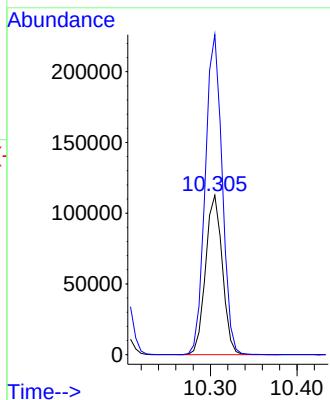
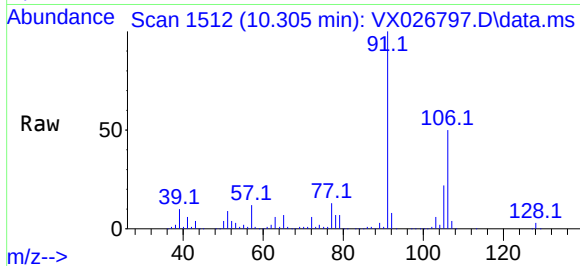
#68  
m/p-Xylenes  
Concen: 58.870 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
34024

Tgt Ion:106 Resp: 151736  
Ion Ratio Lower Upper  
106 100  
91 202.3 165.3 247.9

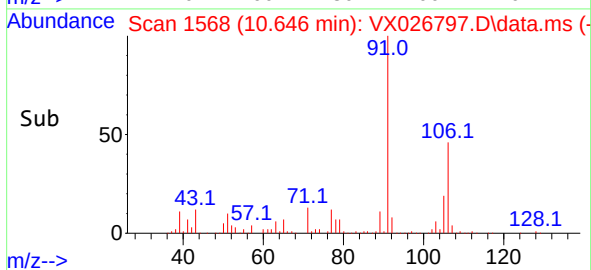
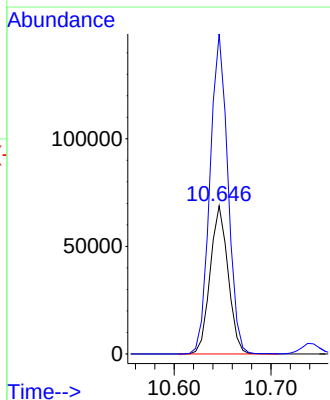
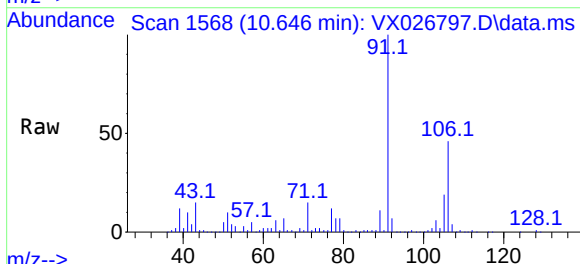
Manual Integrations  
APPROVED

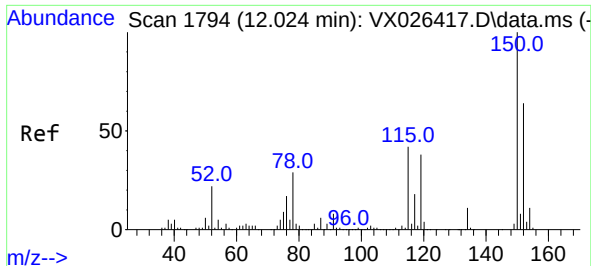
Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022



#69  
o-Xylene  
Concen: 35.518 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

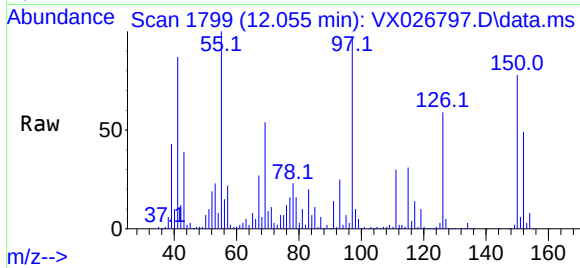
Tgt Ion:106 Resp: 88336  
Ion Ratio Lower Upper  
106 100  
91 216.1 109.7 329.0





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.055 min Scan# 1799  
Delta R.T. 0.031 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

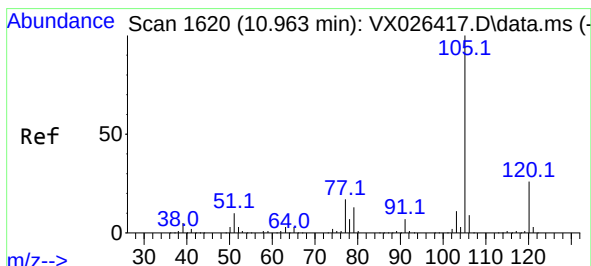
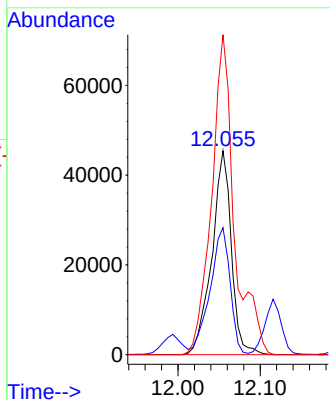
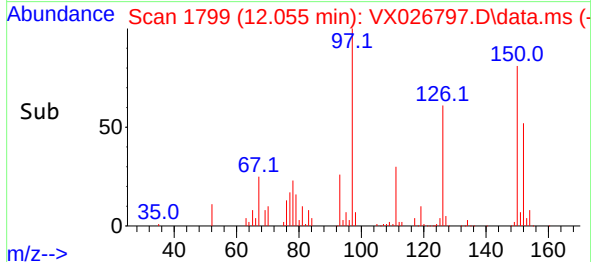
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024



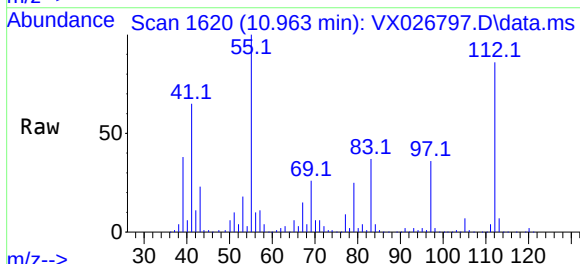
Tgt Ion:152 Resp: 7499  
Ion Ratio Lower Upper  
152 100  
115 62.5 44.2 132.6  
150 182.4 0.0 348.2

Manual Integrations  
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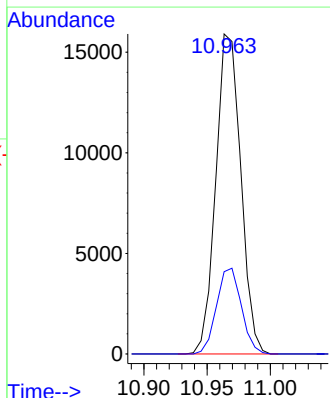
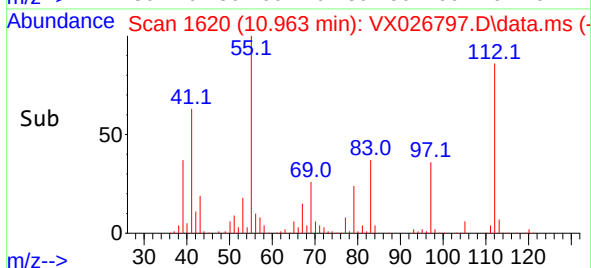
Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022

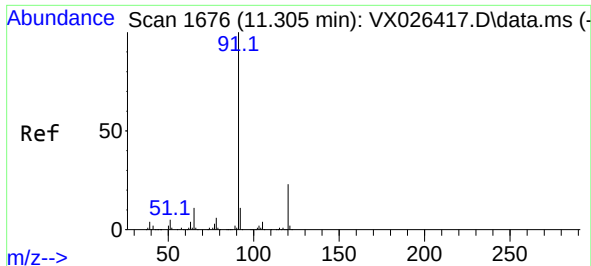


#73  
Isopropylbenzene  
Concen: 3.553 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06



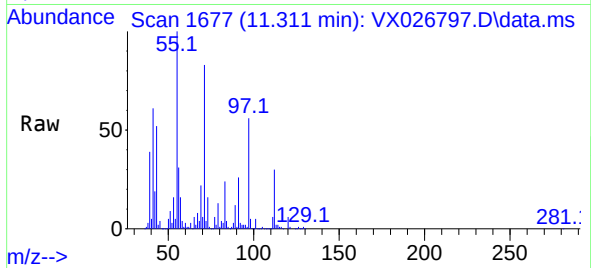
Tgt Ion:105 Resp: 21842  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.1 39.1





#78  
n-propylbenzene  
Concen: 7.986 ug/l  
RT: 11.311 min Scan# 1100  
Delta R.T. 0.006 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

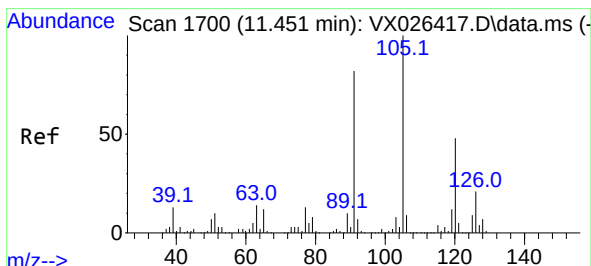
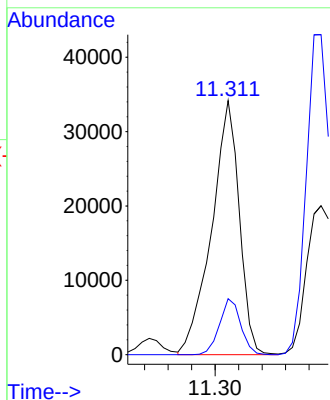
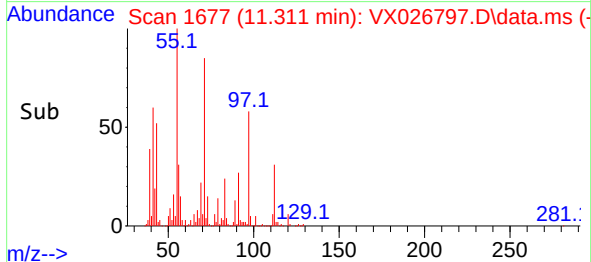
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024



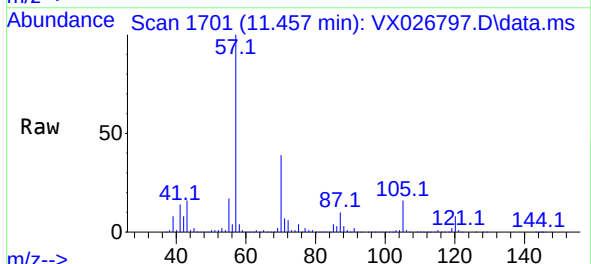
Tgt Ion: 91 Resp: 5598  
Ion Ratio Lower Upper  
91 100  
120 16.9 11.6 34.7

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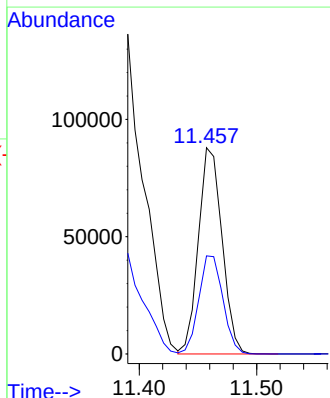
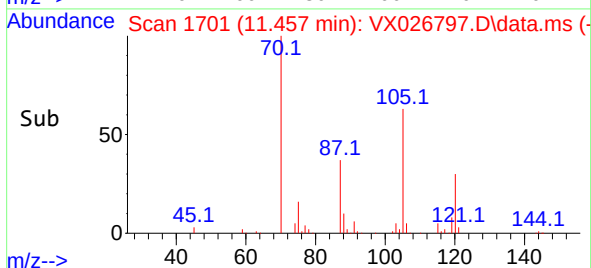
Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022

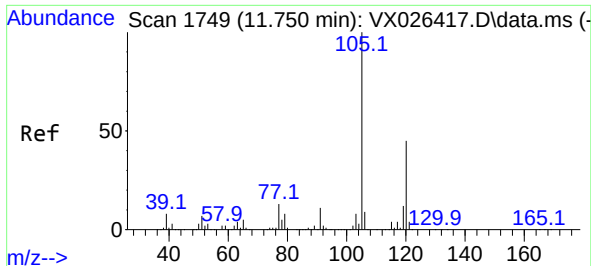


#80  
1,3,5-Trimethylbenzene  
Concen: 24.273 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06



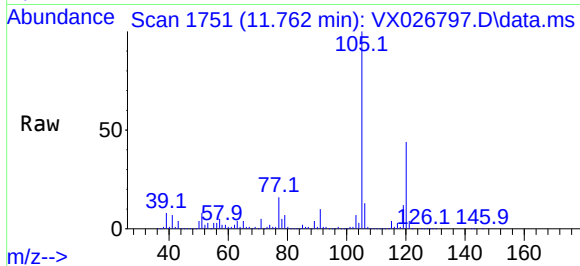
Tgt Ion:105 Resp: 123023  
Ion Ratio Lower Upper  
105 100  
120 48.5 24.0 72.0





#84  
1,2,4-Trimethylbenzene  
Concen: 110.195 ug/l  
RT: 11.762 min Scan# 11751  
Delta R.T. 0.012 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

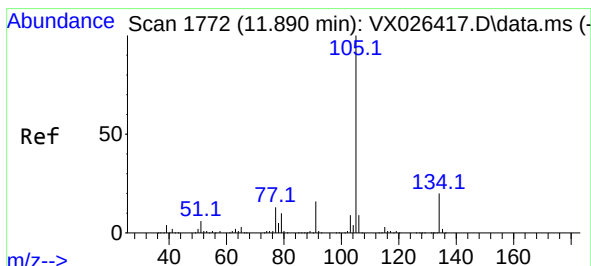
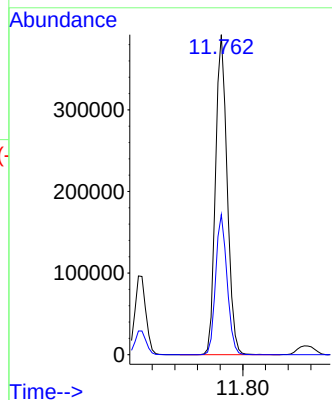
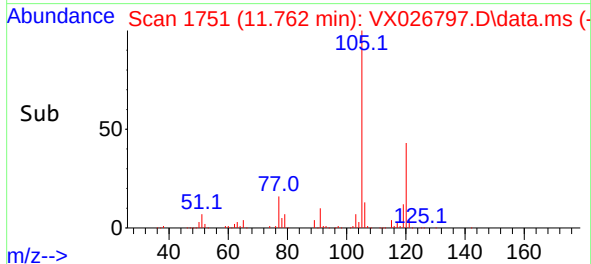
Instrument :  
MSVOA\_X  
ClientSampleId :  
34024



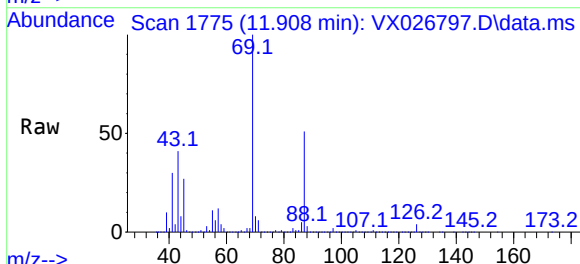
Tgt Ion:105 Resp: 558604  
Ion Ratio Lower Upper  
105 100  
120 42.9 21.9 65.5

Manual Integrations  
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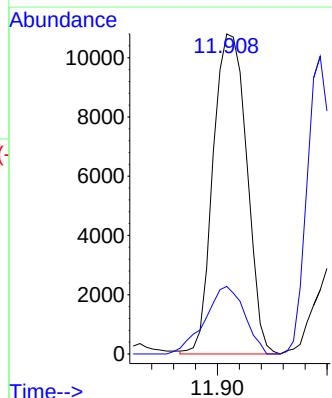
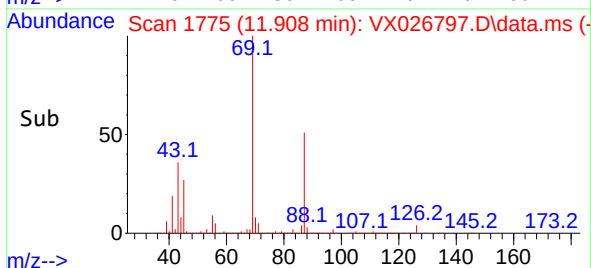
Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022



#85  
sec-Butylbenzene  
Concen: 3.757 ug/l  
RT: 11.908 min Scan# 1775  
Delta R.T. 0.018 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

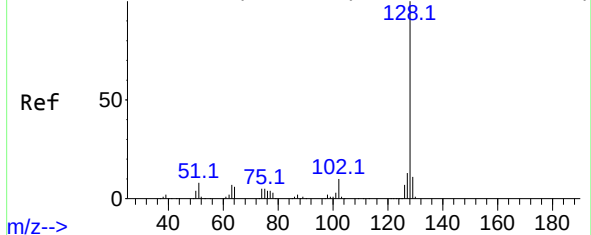


Tgt Ion:105 Resp: 22990  
Ion Ratio Lower Upper  
105 100  
134 24.8 10.1 30.1

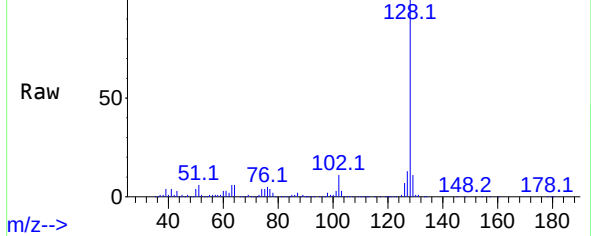




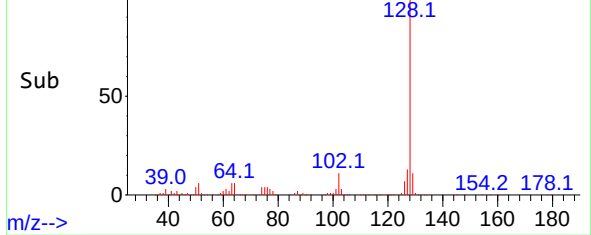
Abundance Scan 2081 (13.774 min): VX026417.D\data.ms (-



Abundance Scan 2082 (13.780 min): VX026797.D\data.ms (-



Abundance Scan 2082 (13.780 min): VX026797.D\data.ms (-



#95  
Naphthalene  
Concen: 25.173 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX026797.D  
Acq: 07 Feb 2022 20:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
34024

Tgt Ion:128 Resp: 134293  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.3 15.5  
129 12.8 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022

