

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052022\  
 Data File : VX028860.D  
 Acq On : 20 May 2022 18:53  
 Operator : JC/MD  
 Sample : N2943-19  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP051822

Quant Time: May 20 23:32:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/23/2022  
 Supervised By :Semsettin Yesilyurt 05/23/2022

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 254707     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 446172     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 408710     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 265302     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964          | 65   | 169978     | 48.684   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 97.360%  |        |          |
| 35) Dibromofluoromethane    | 5.391          | 113  | 139343     | 47.667   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 95.340%  |        |          |
| 50) Toluene-d8              | 8.653          | 98   | 539312     | 48.934   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 97.860%  |        |          |
| 62) 4-Bromofluorobenzene    | 11.085         | 95   | 273241     | 66.377   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 132.760% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 11) Tert butyl alcohol      | 2.953          | 59   | 17624      | 16.328   | ug/l # | 72       |
| 16) Acetone                 | 2.380          | 43   | 53536      | 35.728   | ug/l   | 91       |
| 25) 2-Butanone              | 4.562          | 43   | 34106      | 14.500   | ug/l   | 97       |
| 29) Tetrahydrofuran         | 5.013          | 42   | 3017       | 1.973    | ug/l   | 90       |
| 31) Cyclohexane             | 5.477          | 56   | 1536208    | 316.985  | ug/l   | 99       |
| 39) Methylcyclohexane       | 7.385          | 83   | 778215     | 154.553  | ug/l   | 94       |
| 40) Benzene                 | 6.044          | 78   | 1465439    | 116.132  | ug/l   | 100      |
| 52) Toluene                 | 8.720          | 92   | 1347138    | 165.958  | ug/l   | 97       |
| 67) Ethyl Benzene           | 10.201         | 91   | 10823447   | 696.442  | ug/l # | 71       |
| 68) m/p-Xylenes             | 10.317         | 106  | 11032611   | 1823.408 | ug/l # | 65       |
| 69) o-Xylene                | 10.646         | 106  | 3776526    | 633.955  | ug/l   | 89       |
| 73) Isopropylbenzene        | 10.963         | 105  | 1204046    | 59.846   | ug/l   | 99       |
| 78) n-propylbenzene         | 11.305         | 91   | 3469613    | 149.087  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.457         | 105  | 2948428    | 175.876  | ug/l   | 99       |
| 83) tert-Butylbenzene       | 11.719         | 119  | 39096m     | 2.409    | ug/l   |          |
| 84) 1,2,4-Trimethylbenzene  | 11.762         | 105  | 12170803   | 723.977  | ug/l   | 78       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 159593m    | 7.971    | ug/l   |          |
| 86) p-Isopropyltoluene      | 12.012         | 119  | 87264      | 5.194    | ug/l # | 78       |
| 95) Naphthalene             | 13.780         | 128  | 5718339    | 303.322  | ug/l   | 96       |
| -----                       |                |      |            |          |        |          |

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

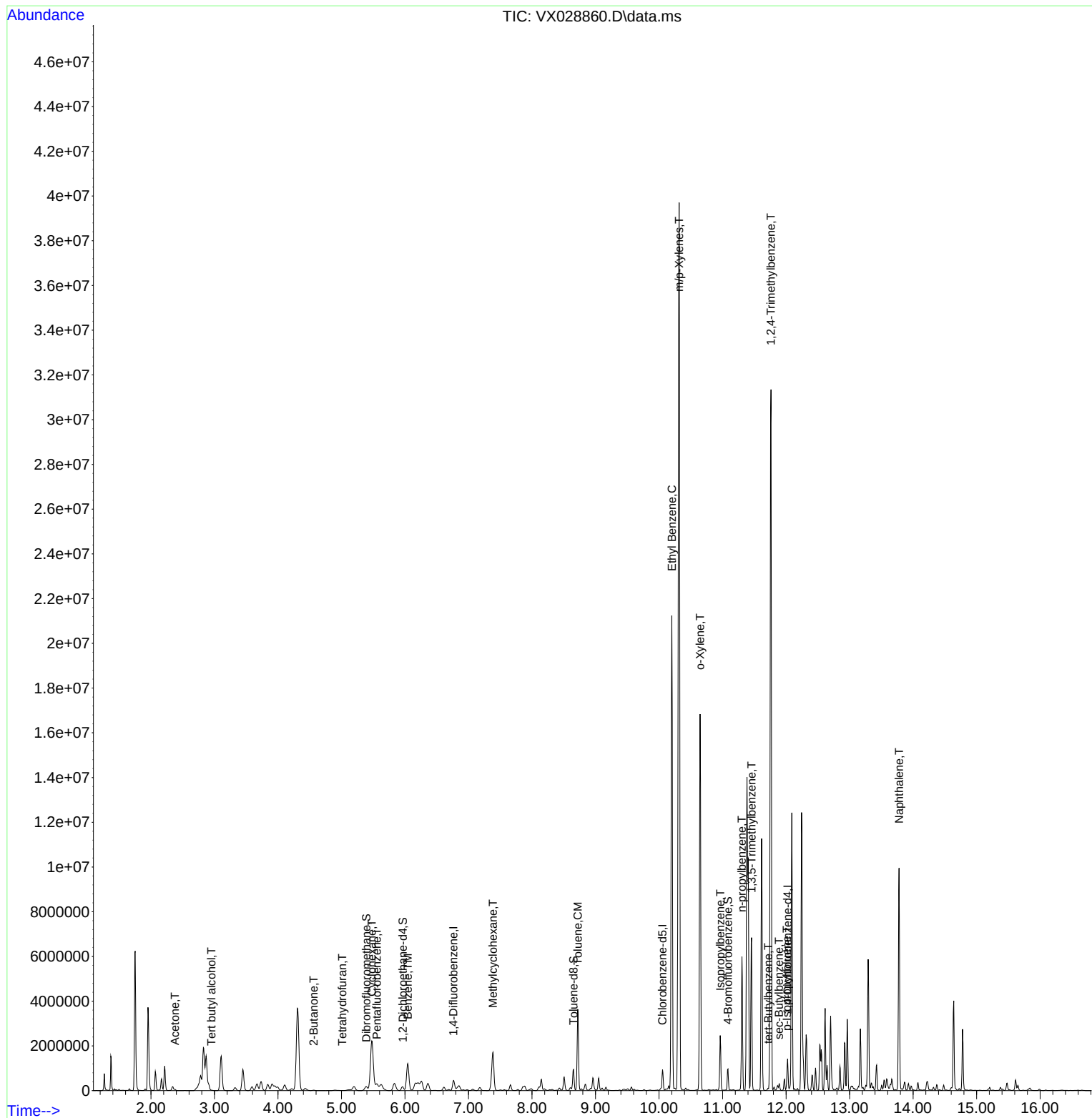
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052022\  
Data File : VX028860.D  
Acq On : 20 May 2022 18:53  
Operator : JC/MD  
Sample : N2943-19  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

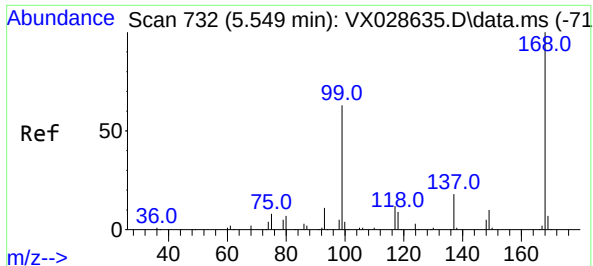
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822

Quant Time: May 20 23:32:53 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

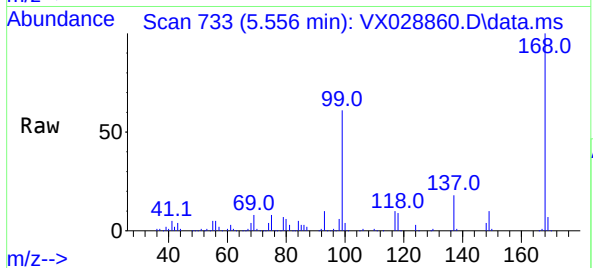
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

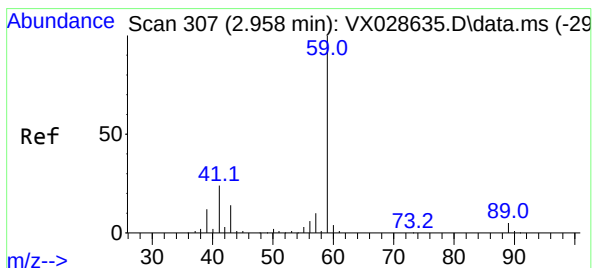
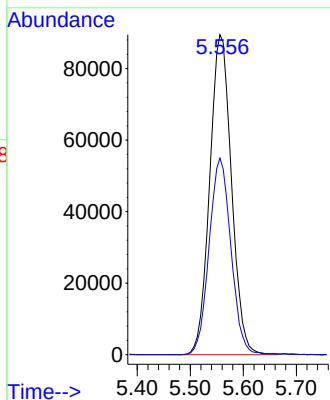
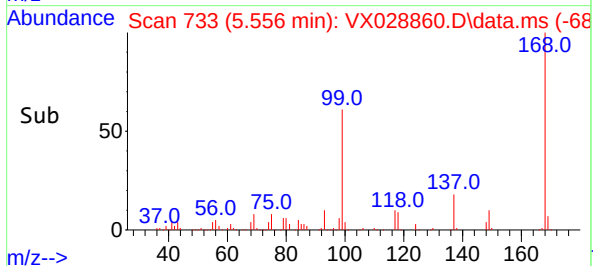
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



Tgt Ion:168 Resp: 25470  
Ion Ratio Lower Upper  
168 100  
99 61.4 41.7 62.5

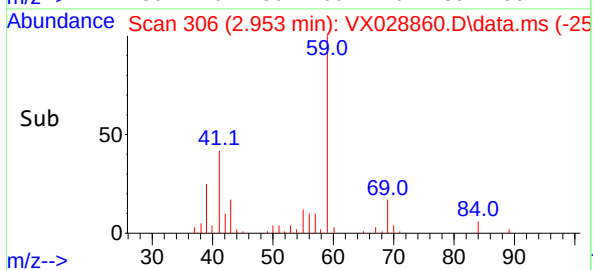
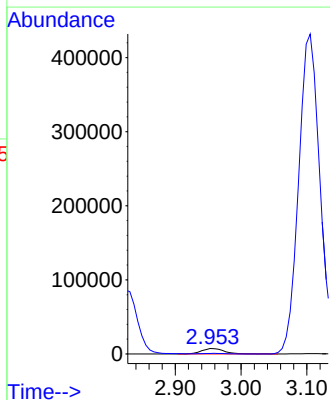
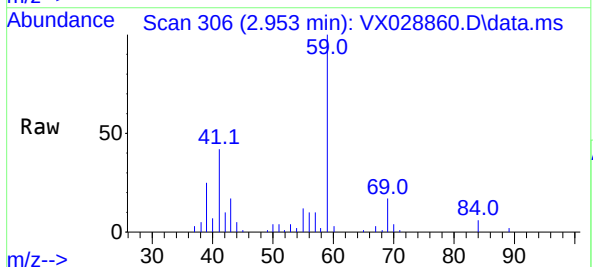
Manual Integrations  
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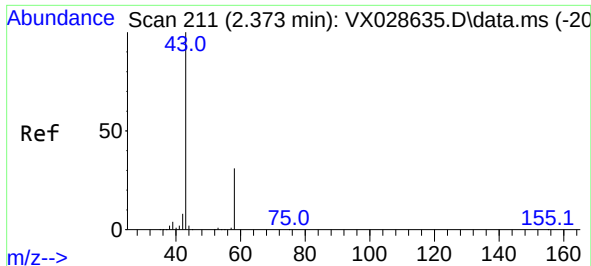
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022



#11  
Tert butyl alcohol  
Concen: 16.328 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.005 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

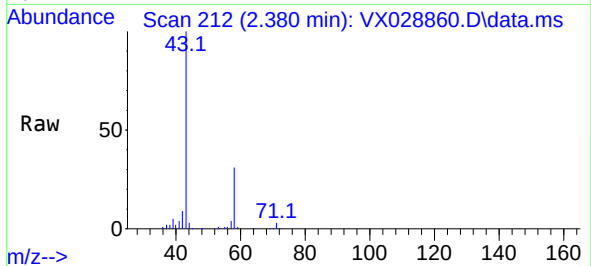
Tgt Ion: 59 Resp: 17624  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#





#16  
Acetone  
Concen: 35.728 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.007 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

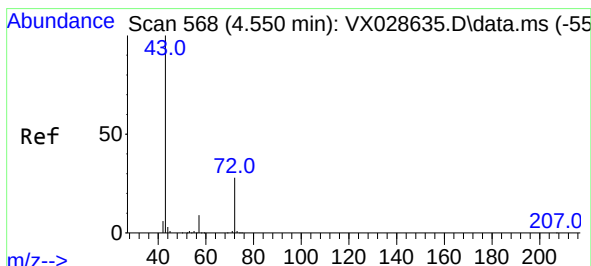
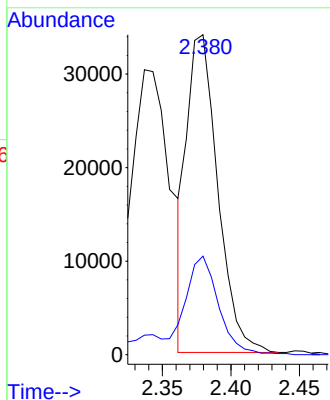
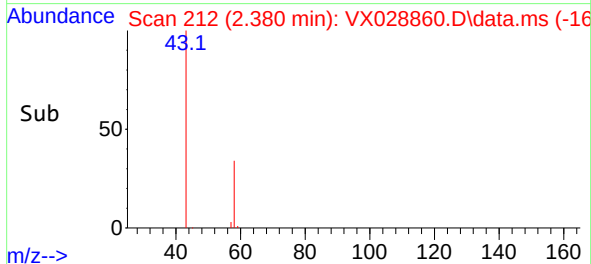
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



Tgt Ion: 43 Resp: 53530  
Ion Ratio Lower Upper  
43 100  
58 30.7 28.8 43.2

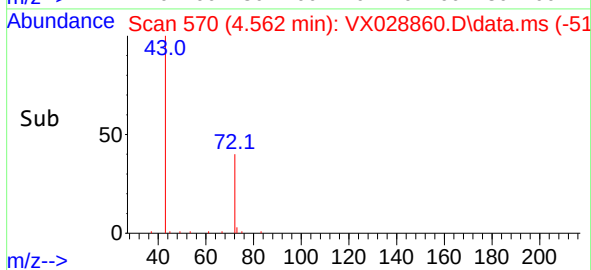
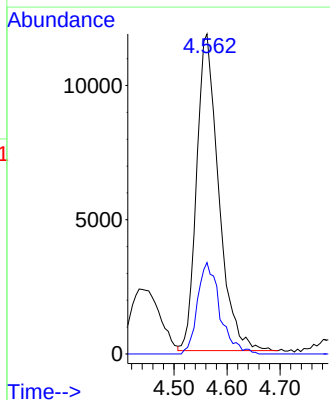
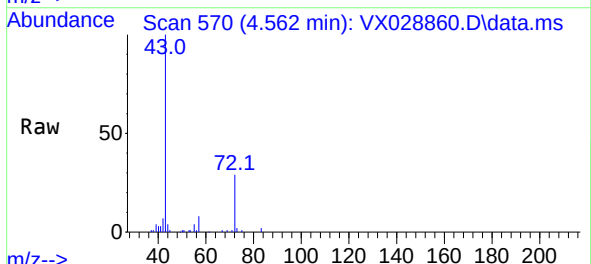
Manual Integrations  
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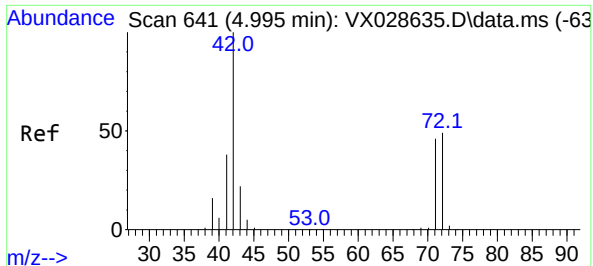
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022



#25  
2-Butanone  
Concen: 14.500 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.012 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

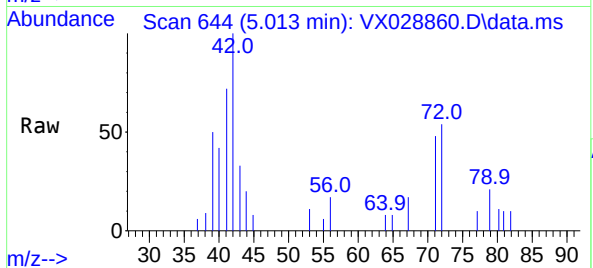
Tgt Ion: 43 Resp: 34106  
Ion Ratio Lower Upper  
43 100  
72 28.8 24.4 36.6





#29  
Tetrahydrofuran  
Concen: 1.973 ug/l  
RT: 5.013 min Scan# 641  
Delta R.T. 0.018 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

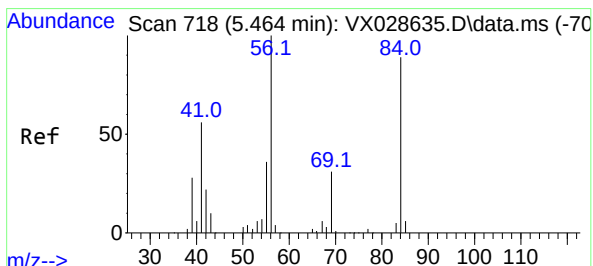
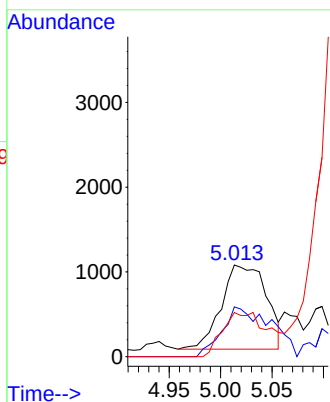
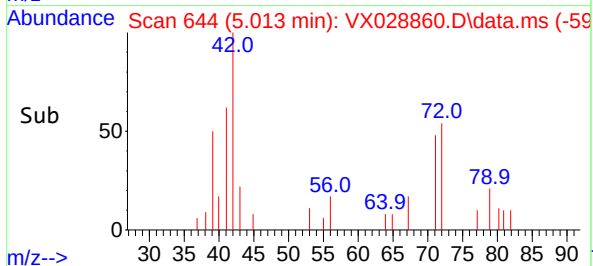
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



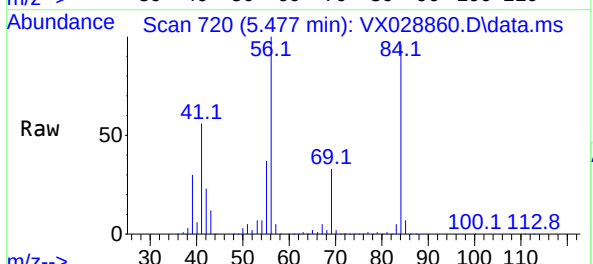
Tgt Ion: 42 Resp: 301  
Ion Ratio Lower Upper  
42 100  
72 64.3 44.1 66.1  
71 55.2 40.5 60.7

Manual Integrations  
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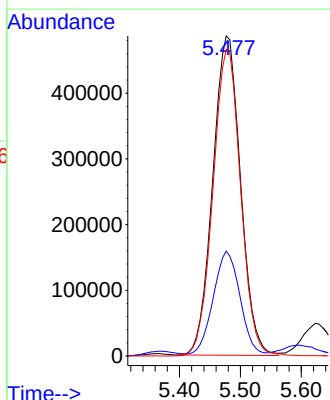
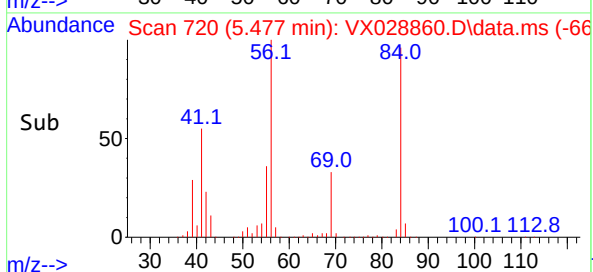
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022

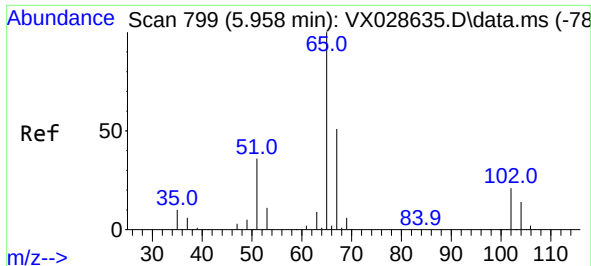


#31  
Cyclohexane  
Concen: 316.985 ug/l  
RT: 5.477 min Scan# 720  
Delta R.T. 0.013 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53



Tgt Ion: 56 Resp: 1536208  
Ion Ratio Lower Upper  
56 100  
69 32.0 26.7 40.1  
84 96.0 77.2 115.8





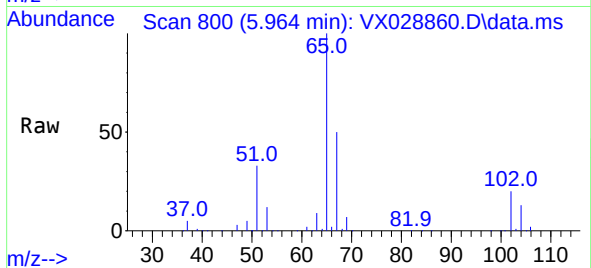
#33  
1,2-Dichloroethane-d4  
Concen: 48.684 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

Instrument :

MSVOA\_X

ClientSampleId :

DUP051822

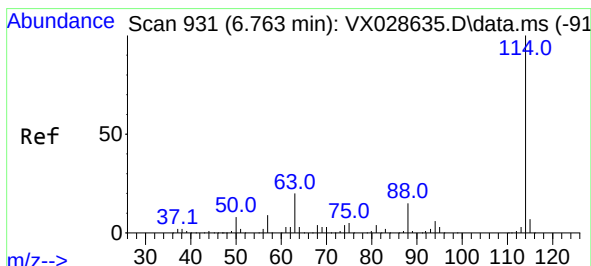
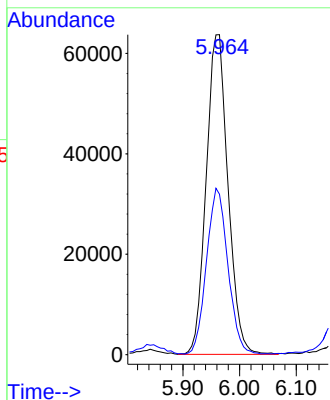
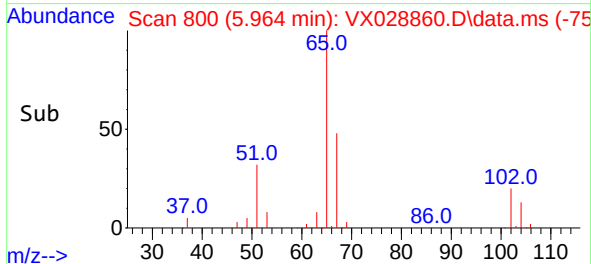


Tgt Ion: 65 Resp: 169978  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 107.4

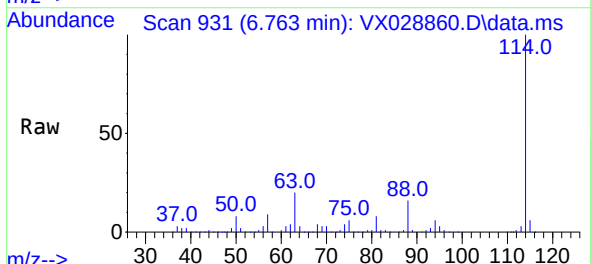
Manual Integrations

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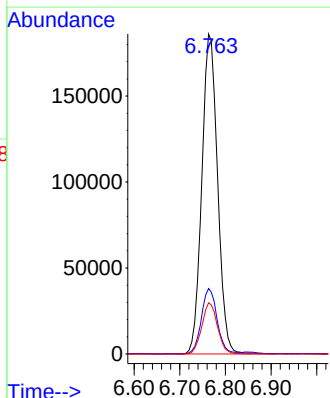
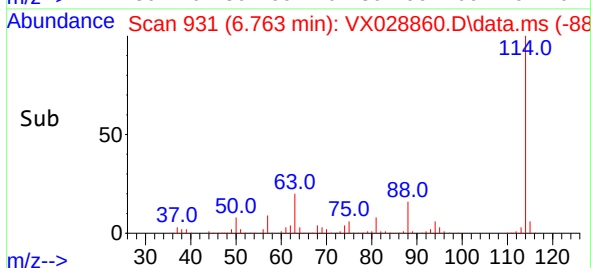
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022

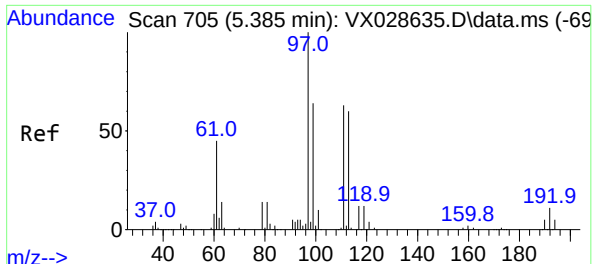


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53



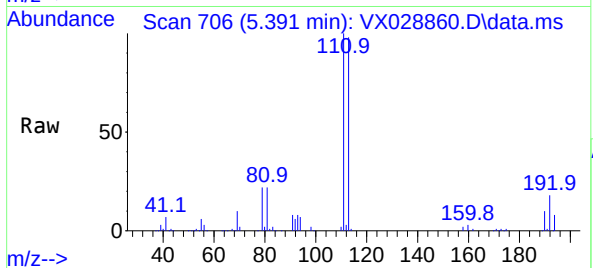
Tgt Ion:114 Resp: 446172  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 36.8  
88 16.0 0.0 32.4





#35  
Dibromofluoromethane  
Concen: 47.667 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

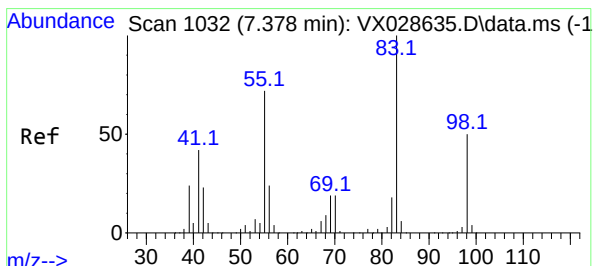
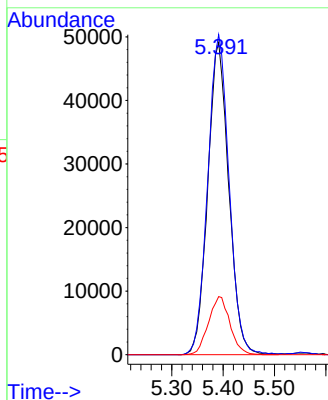
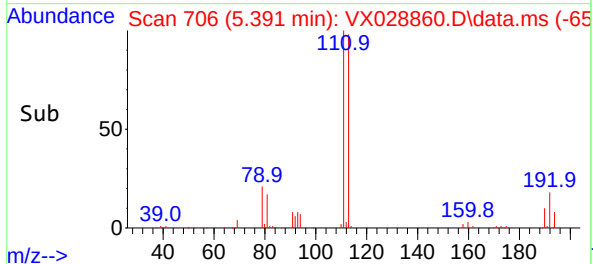
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



Tgt Ion:113 Resp: 13934  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.8 124.2  
192 19.0 16.9 25.3

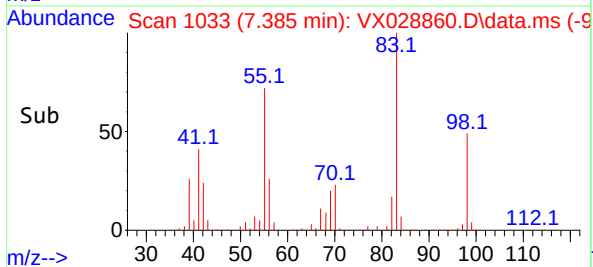
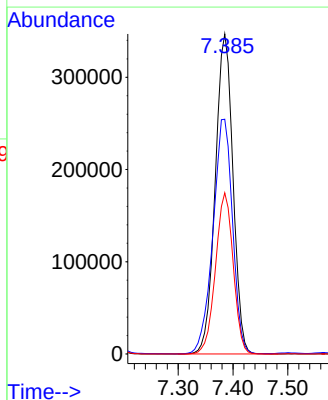
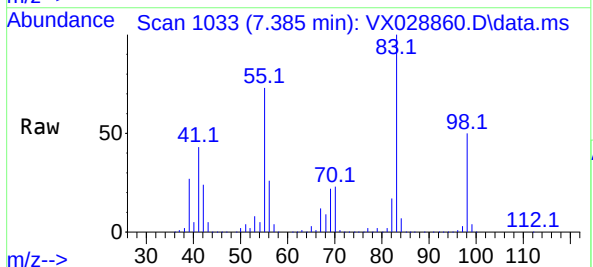
Manual Integrations  
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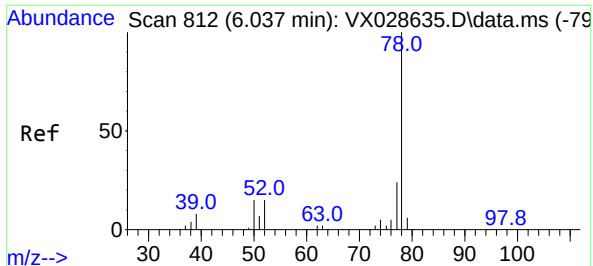
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022



#39  
Methylcyclohexane  
Concen: 154.553 ug/l  
RT: 7.385 min Scan# 1033  
Delta R.T. 0.007 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

Tgt Ion: 83 Resp: 778215  
Ion Ratio Lower Upper  
83 100  
55 73.3 54.6 81.8  
98 50.3 37.4 56.2





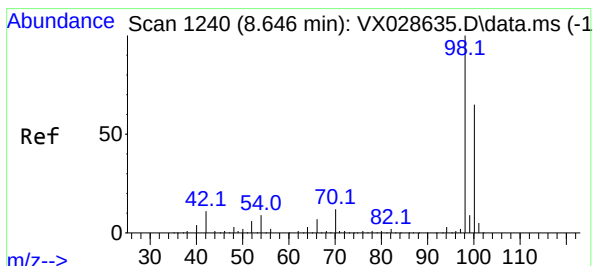
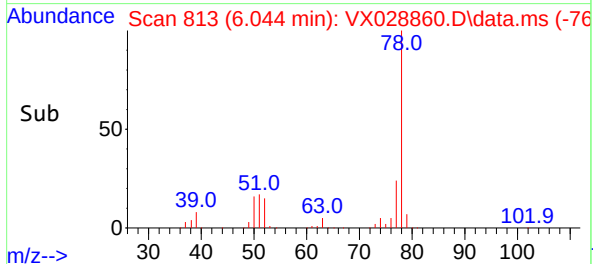
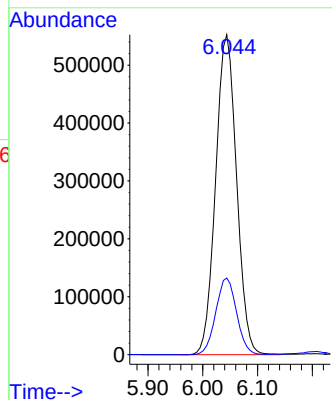
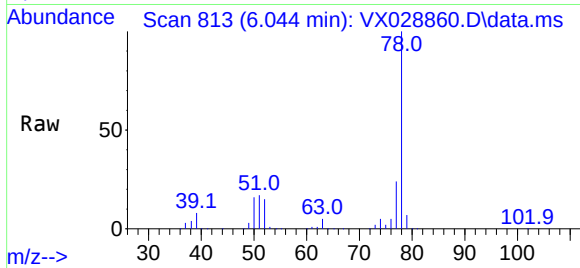
#40  
Benzene  
Concen: 116.132 ug/l  
RT: 6.044 min Scan# 812  
Delta R.T. 0.007 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822

Tgt Ion: 78 Resp: 1465439  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.3 28.9

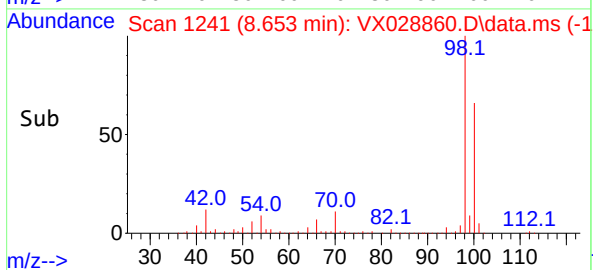
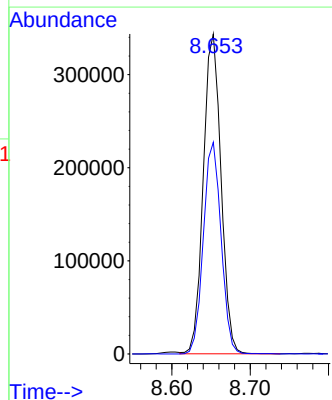
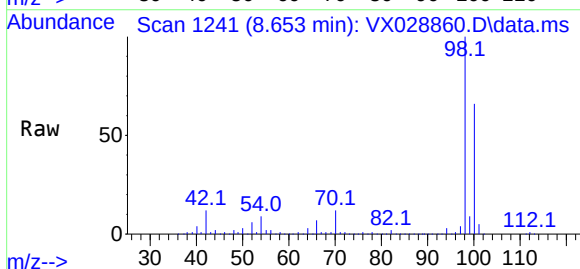
Manual Integrations  
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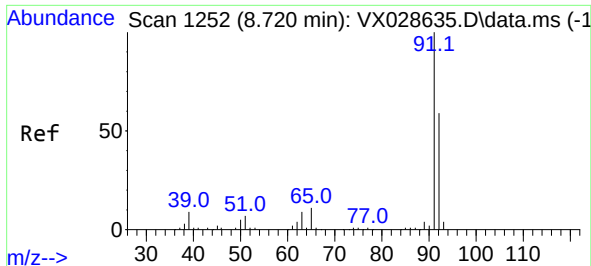


#50  
Toluene-d8  
Concen: 48.934 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.007 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

Tgt Ion: 98 Resp: 539312  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.6 78.8

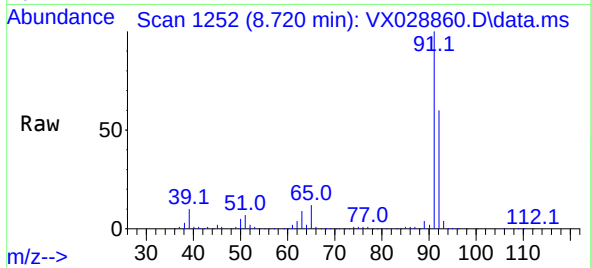






#52  
Toluene  
Concen: 165.958 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

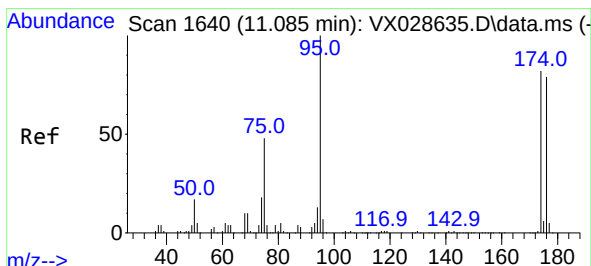
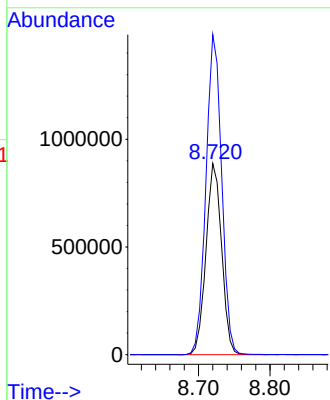
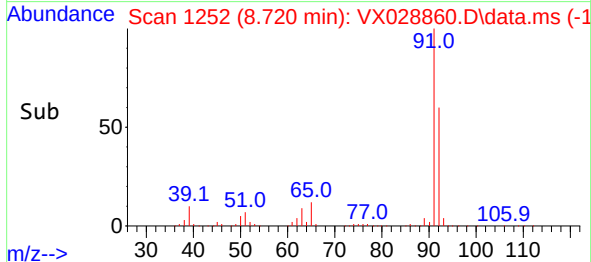
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



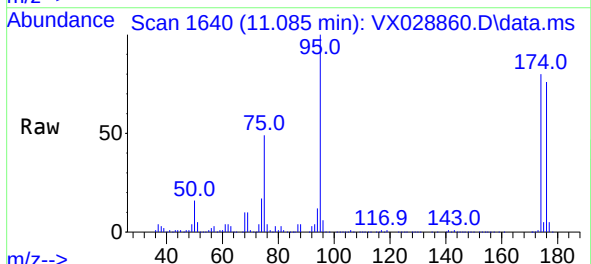
Tgt Ion: 92 Resp: 1347138  
Ion Ratio Lower Upper  
92 100  
91 167.9 137.5 206.3

Manual Integrations  
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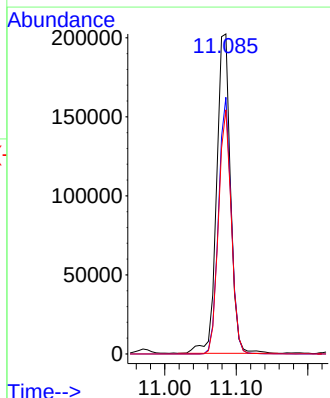
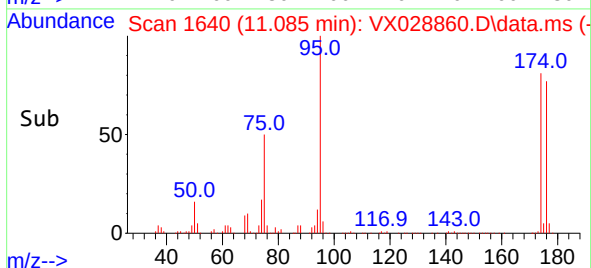
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022

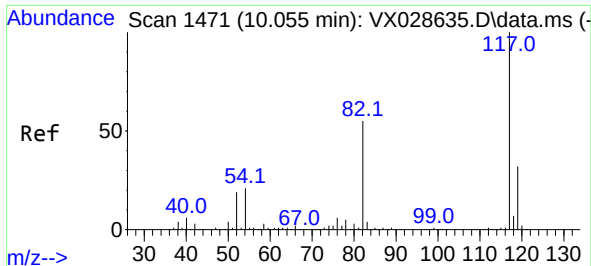


#62  
4-Bromofluorobenzene  
Concen: 66.377 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53



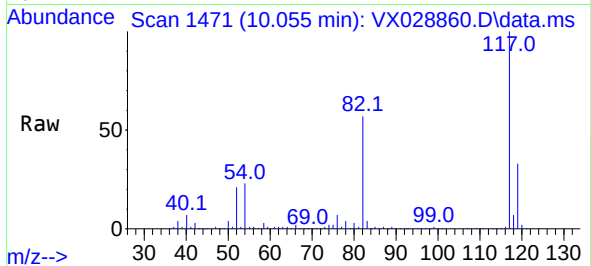
Tgt Ion: 95 Resp: 273241  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 163.0  
176 70.3 0.0 155.0





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

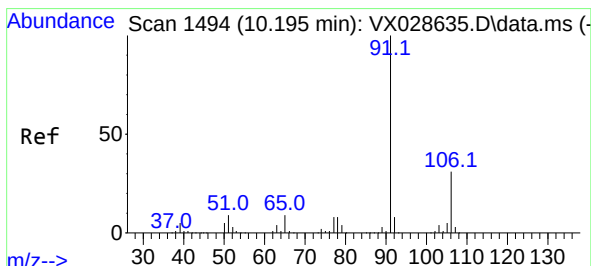
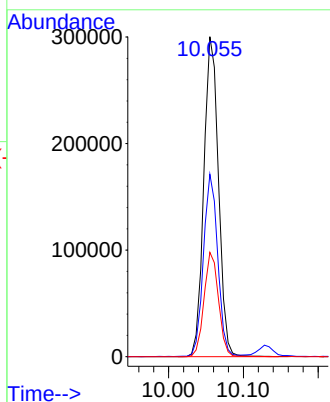
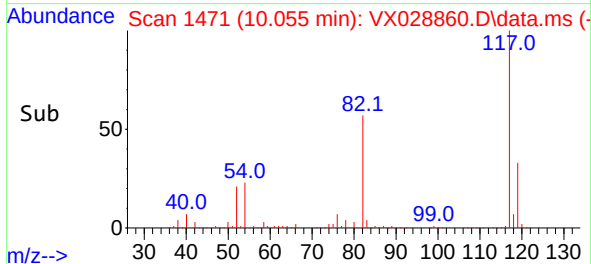
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



Tgt Ion:117 Resp: 408710  
Ion Ratio Lower Upper  
117 100  
82 56.9 41.8 62.8  
119 32.6 24.8 37.2

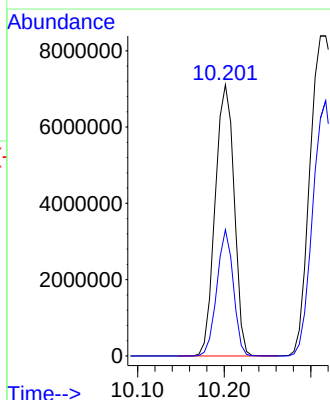
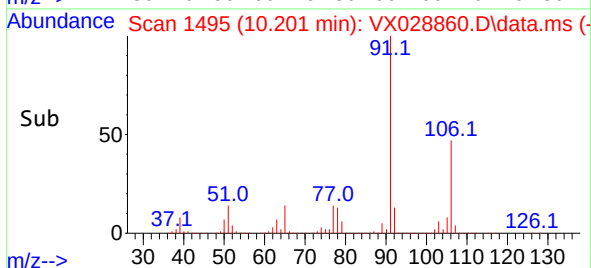
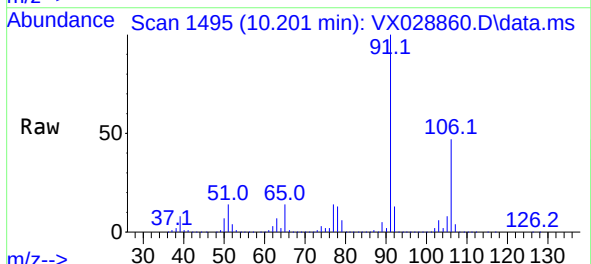
Manual Integrations  
APPROVED

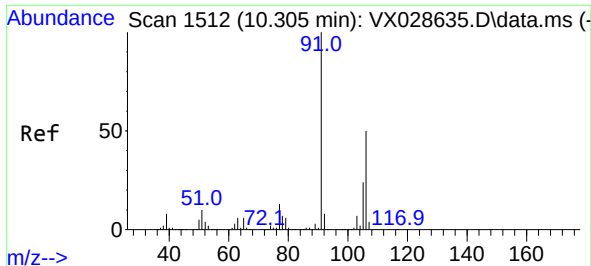
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022



#67  
Ethyl Benzene  
Concen: 696.442 ug/l  
RT: 10.201 min Scan# 1495  
Delta R.T. 0.006 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

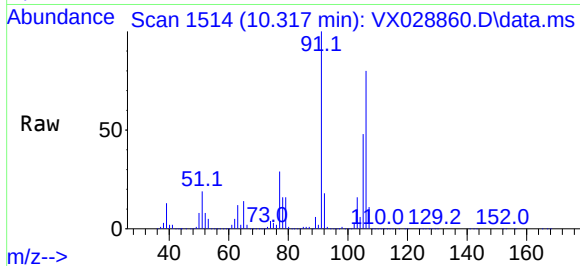
Tgt Ion: 91 Resp:10823447  
Ion Ratio Lower Upper  
91 100  
106 46.6 24.6 36.8#





#68  
m/p-Xylenes  
Concen: 1823.408 ug/l  
RT: 10.317 min Scan# 1512  
Delta R.T. 0.012 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

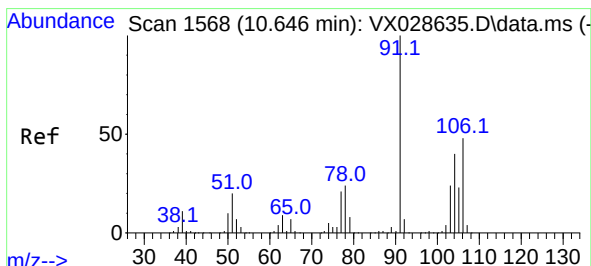
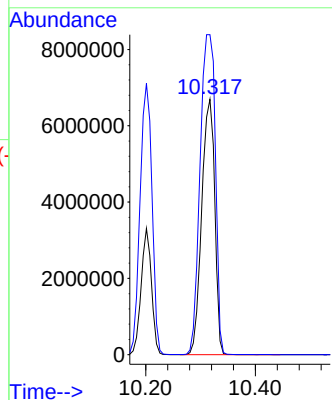
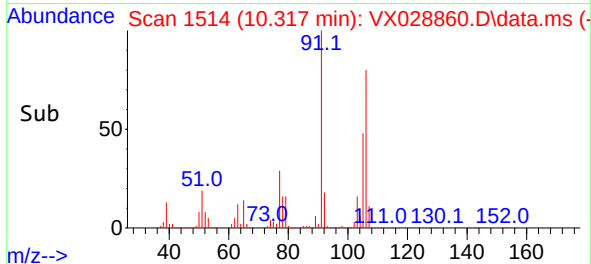
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



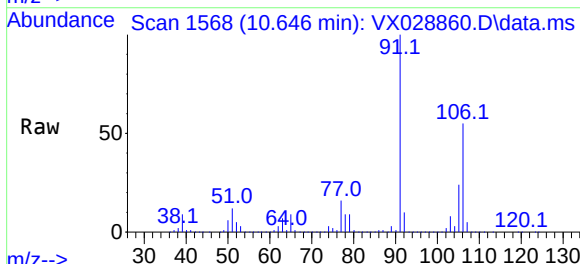
Tgt Ion:106 Resp:1103261  
Ion Ratio Lower Upper  
106 100  
91 147.4 160.4 240.6

Manual Integrations  
APPROVED

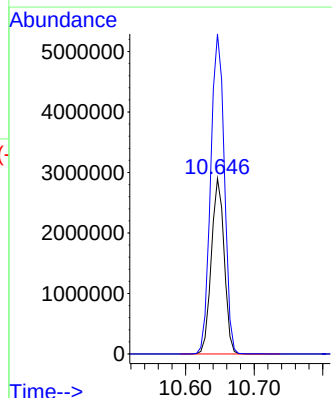
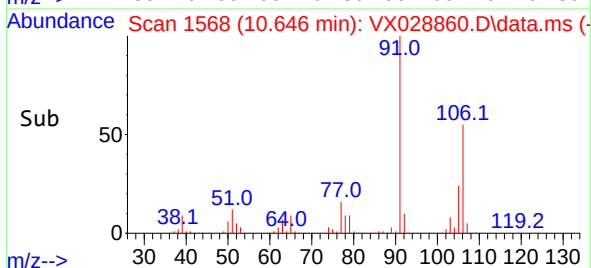
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022

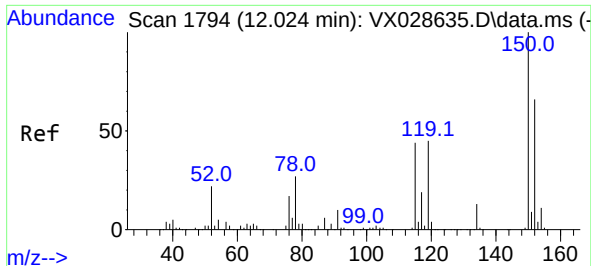


#69  
o-Xylene  
Concen: 633.955 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53



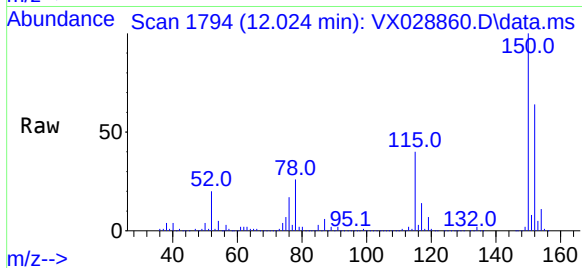
Tgt Ion:106 Resp: 3776526  
Ion Ratio Lower Upper  
106 100  
91 194.6 106.1 318.1





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

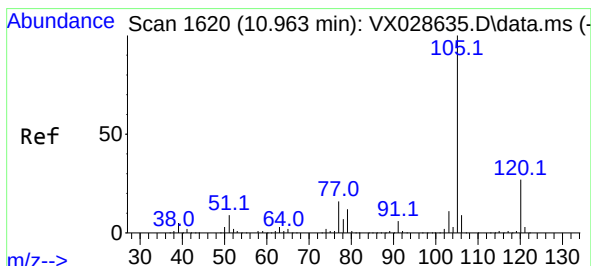
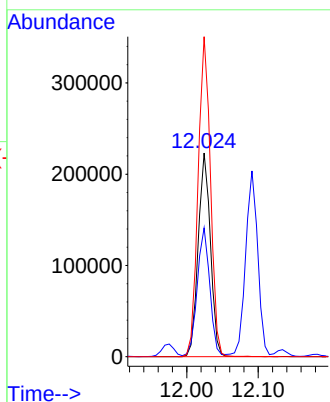
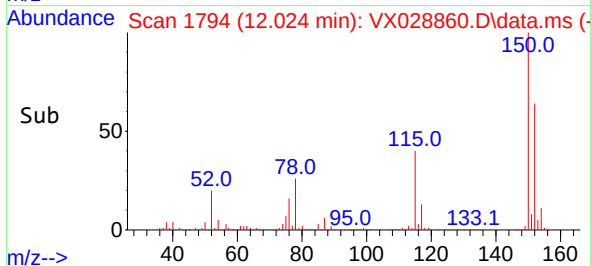
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



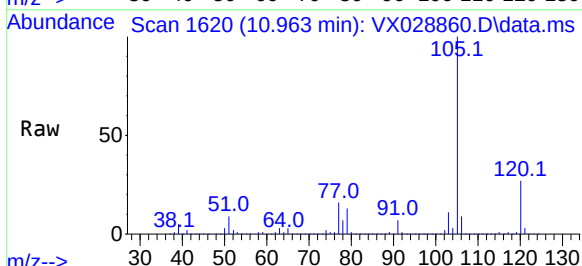
Tgt Ion:152 Resp: 265302  
Ion Ratio Lower Upper  
152 100  
115 63.6 37.5 112.7  
150 158.5 0.0 338.2

Manual Integrations  
APPROVED

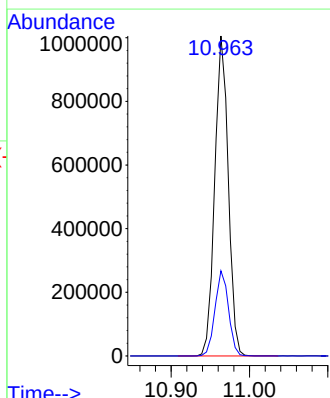
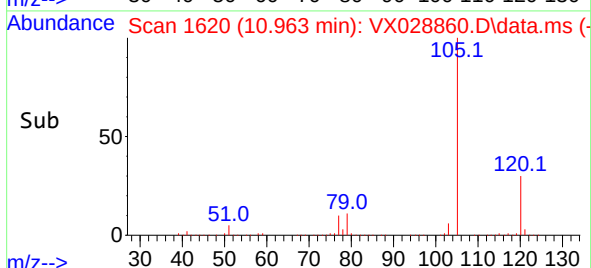
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022

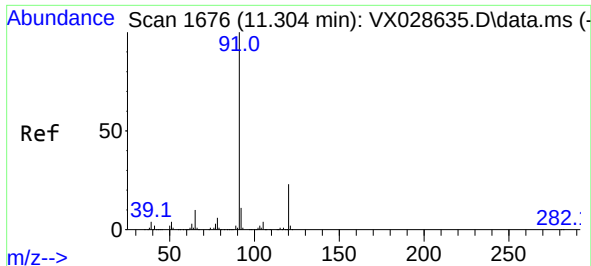


#73  
Isopropylbenzene  
Concen: 59.846 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53



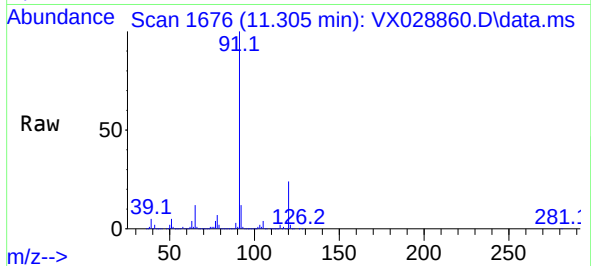
Tgt Ion:105 Resp: 1204046  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.5 40.5





#78  
n-propylbenzene  
Concen: 149.087 ug/l  
RT: 11.305 min Scan# 110  
Delta R.T. 0.001 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

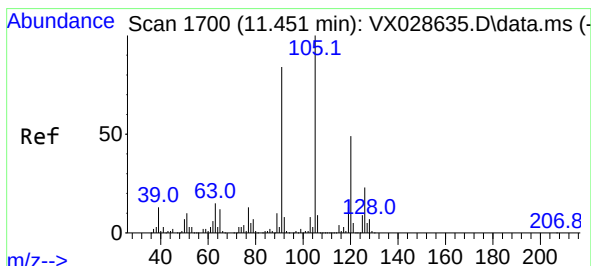
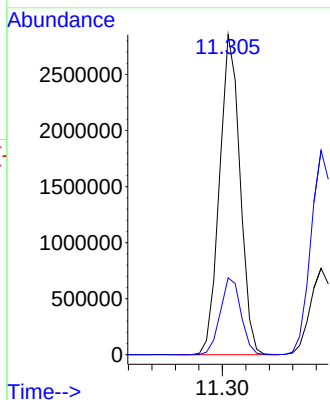
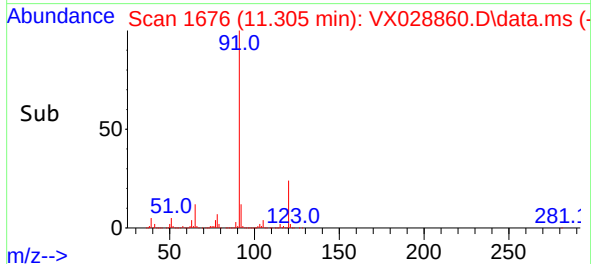
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



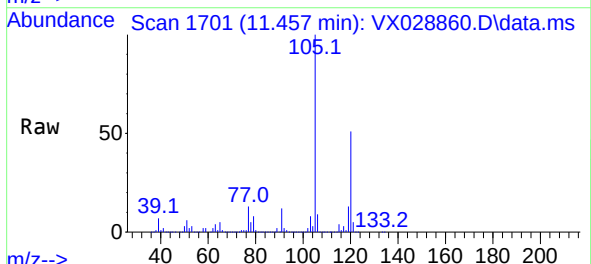
Tgt Ion: 91 Resp: 346961  
Ion Ratio Lower Upper  
91 100  
120 24.2 11.6 34.8

Manual Integrations  
APPROVED

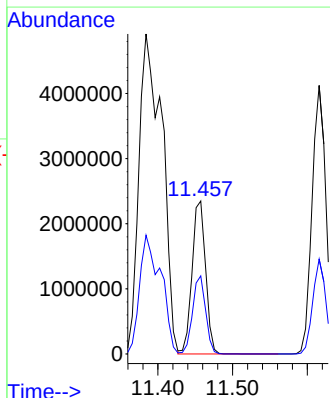
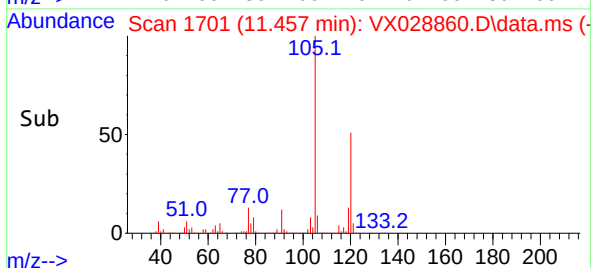
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022

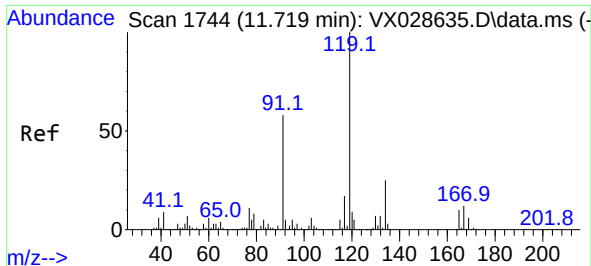


#80  
1,3,5-Trimethylbenzene  
Concen: 175.876 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53



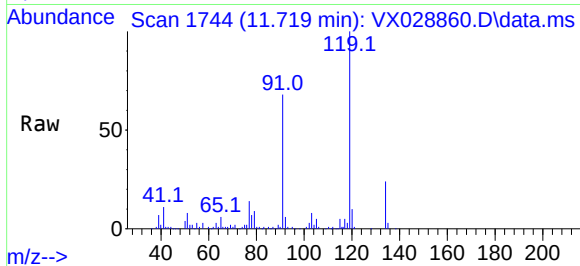
Tgt Ion:105 Resp: 2948428  
Ion Ratio Lower Upper  
105 100  
120 49.2 24.3 72.9





#83  
tert-Butylbenzene  
Concen: 2.409 ug/l m  
RT: 11.719 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53

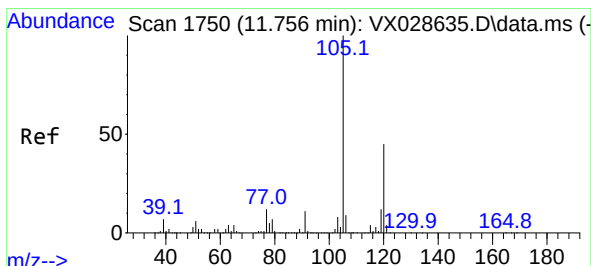
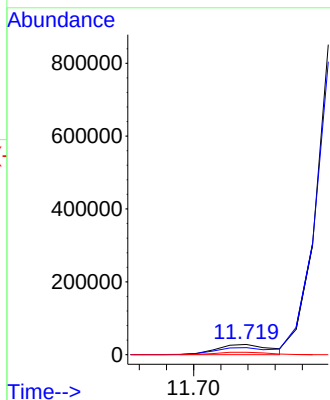
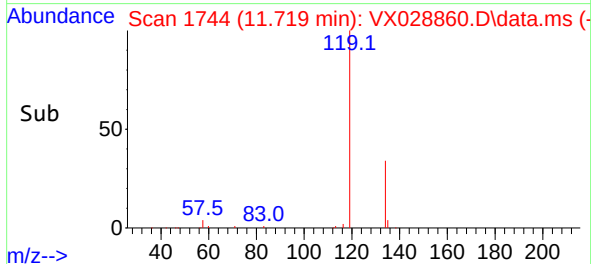
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP051822



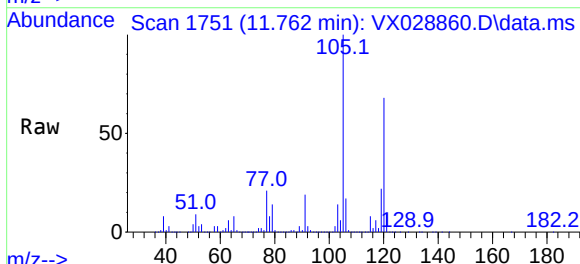
Tgt Ion:119 Resp: 39090  
Ion Ratio Lower Upper  
119 100  
91 5026.4 26.9 80.0  
134 0.0 11.4 34.2

Manual Integrations  
APPROVED

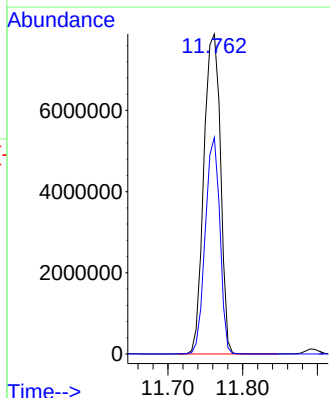
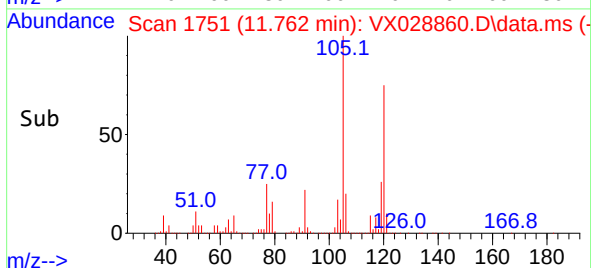
Reviewed By :Mahesh Dadoda 05/23/2022  
Supervised By :Semsettin Yesilyurt 05/23/2022

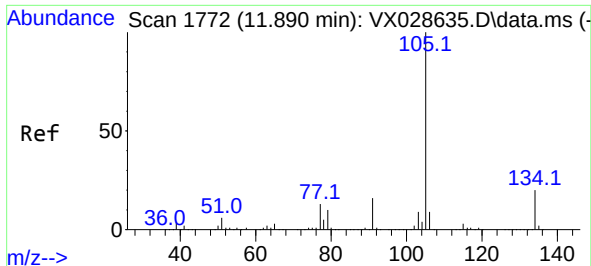


#84  
1,2,4-Trimethylbenzene  
Concen: 723.977 ug/l  
RT: 11.762 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VX028860.D  
Acq: 20 May 2022 18:53



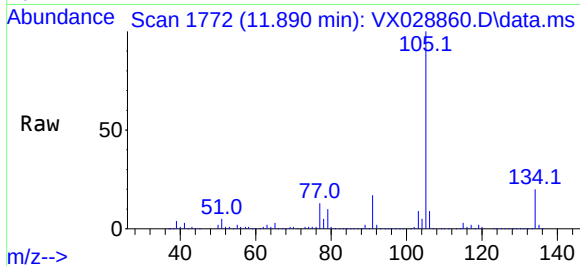
Tgt Ion:105 Resp:12170803  
Ion Ratio Lower Upper  
105 100  
120 59.4 22.6 67.8





#85  
 sec-Butylbenzene  
 Concen: 7.971 ug/l m  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX028860.D  
 Acq: 20 May 2022 18:53

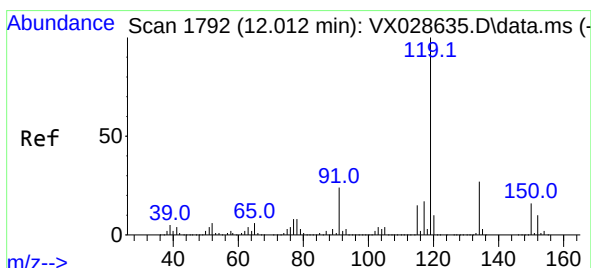
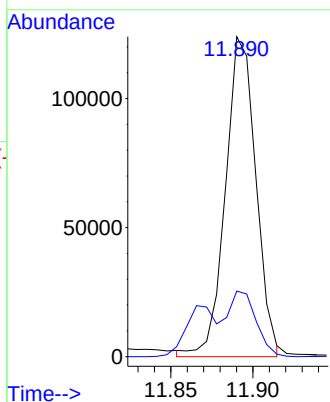
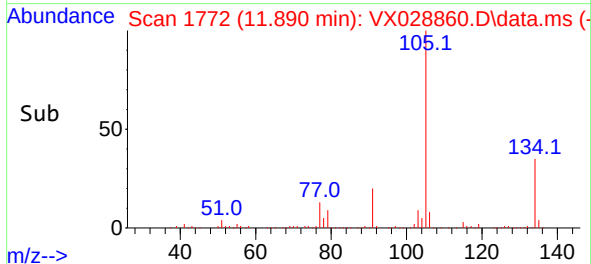
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP051822



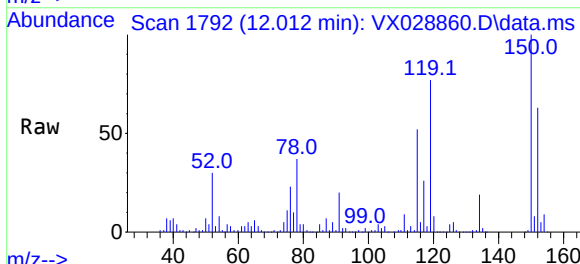
Tgt Ion:105 Resp: 15959  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.2 30.4

Manual Integrations  
 APPROVED

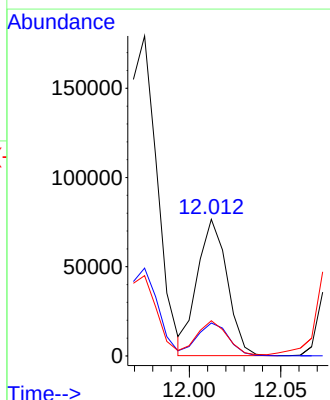
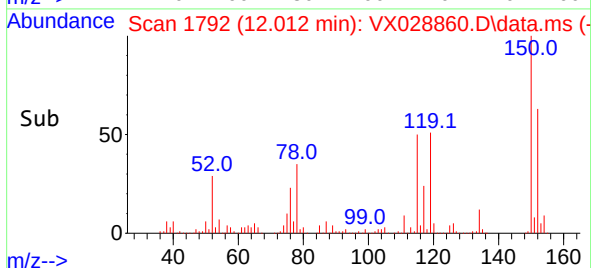
Reviewed By :Mahesh Dadoda 05/23/2022  
 Supervised By :Semsettin Yesilyurt 05/23/2022

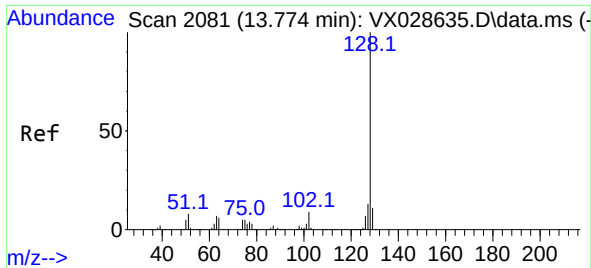


#86  
 p-Isopropyltoluene  
 Concen: 5.194 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. 0.000 min  
 Lab File: VX028860.D  
 Acq: 20 May 2022 18:53



Tgt Ion:119 Resp: 87264  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 13.0 39.0  
 91 0.0 11.3 33.9





#95

Naphthalene

Concen: 303.322 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX028860.D

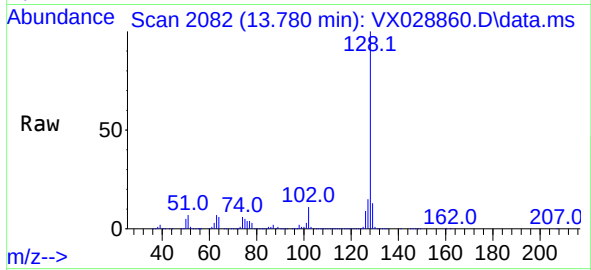
Acq: 20 May 2022 18:53

Instrument :

MSVOA\_X

ClientSampleId :

DUP051822



Tgt Ion:128 Resp: 5718339

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.4

129 12.5 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/23/2022

Supervised By :Semsettin Yesilyurt 05/23/2022

