

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032422\  
 Data File : VD072416.D  
 Acq On : 24 Mar 2022 19:11  
 Operator : VA/SY  
 Sample : N2077-13RE  
 Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-14A-3-3-(2.5-3.0)RE

Quant Time: Mar 25 02:58:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/25/2022  
 Supervised By : Mahesh Dadoda 03/25/2022

| Compound                    | R.T.           | QIon | Response   | Conc       | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|------------|--------|----------|
| -----                       |                |      |            |            |        |          |
| Internal Standards          |                |      |            |            |        |          |
| 1) Pentafluorobenzene       | 7.979          | 168  | 359415     | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861          | 114  | 611424     | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.643         | 117  | 518195     | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.549         | 152  | 822265m    | 50.000     | ug/l   | -0.02    |
|                             |                |      |            |            |        |          |
| System Monitoring Compounds |                |      |            |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326          | 65   | 178776     | 44.633     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = | 89.260%    |        |          |
| 35) Dibromofluoromethane    | 7.914          | 113  | 190246     | 44.216     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = | 88.440%    |        |          |
| 50) Toluene-d8              | 10.338         | 98   | 1775216    | 112.836    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = | 225.680%#  |        |          |
| 62) 4-Bromofluorobenzene    | 12.632         | 95   | 3595252    | 588.133    | ug/l   | 0.01     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = | 1176.260%# |        |          |
|                             |                |      |            |            |        |          |
| Target Compounds            |                |      |            |            | Qvalue |          |
| 16) Acetone                 | 4.156          | 43   | 130894     | 150.510    | ug/l # | 89       |
| 17) Carbon Disulfide        | 4.409          | 76   | 35691      | 5.994      | ug/l   | 98       |
| 31) Cyclohexane             | 7.985          | 56   | 195111     | 31.178     | ug/l   | 94       |
| 40) Benzene                 | 8.344          | 78   | 49741      | 2.889      | ug/l   | 95       |
| 73) Isopropylbenzene        | 12.479         | 105  | 7089959    | 108.808    | ug/l   | 99       |
| 78) n-propylbenzene         | 12.820         | 91   | 11003273   | 139.023    | ug/l   | 98       |
| 83) tert-Butylbenzene       | 13.220         | 119  | 1590855    | 32.415     | ug/l   | 80       |
| 85) sec-Butylbenzene        | 13.396         | 105  | 6725810    | 91.257     | ug/l # | 69       |
| 89) n-Butylbenzene          | 13.832         | 91   | 2011546    | 34.798     | ug/l # | 82       |
| 95) Naphthalene             | 15.384         | 128  | 213924     | 6.995      | ug/l # | 77       |
| -----                       |                |      |            |            |        |          |

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

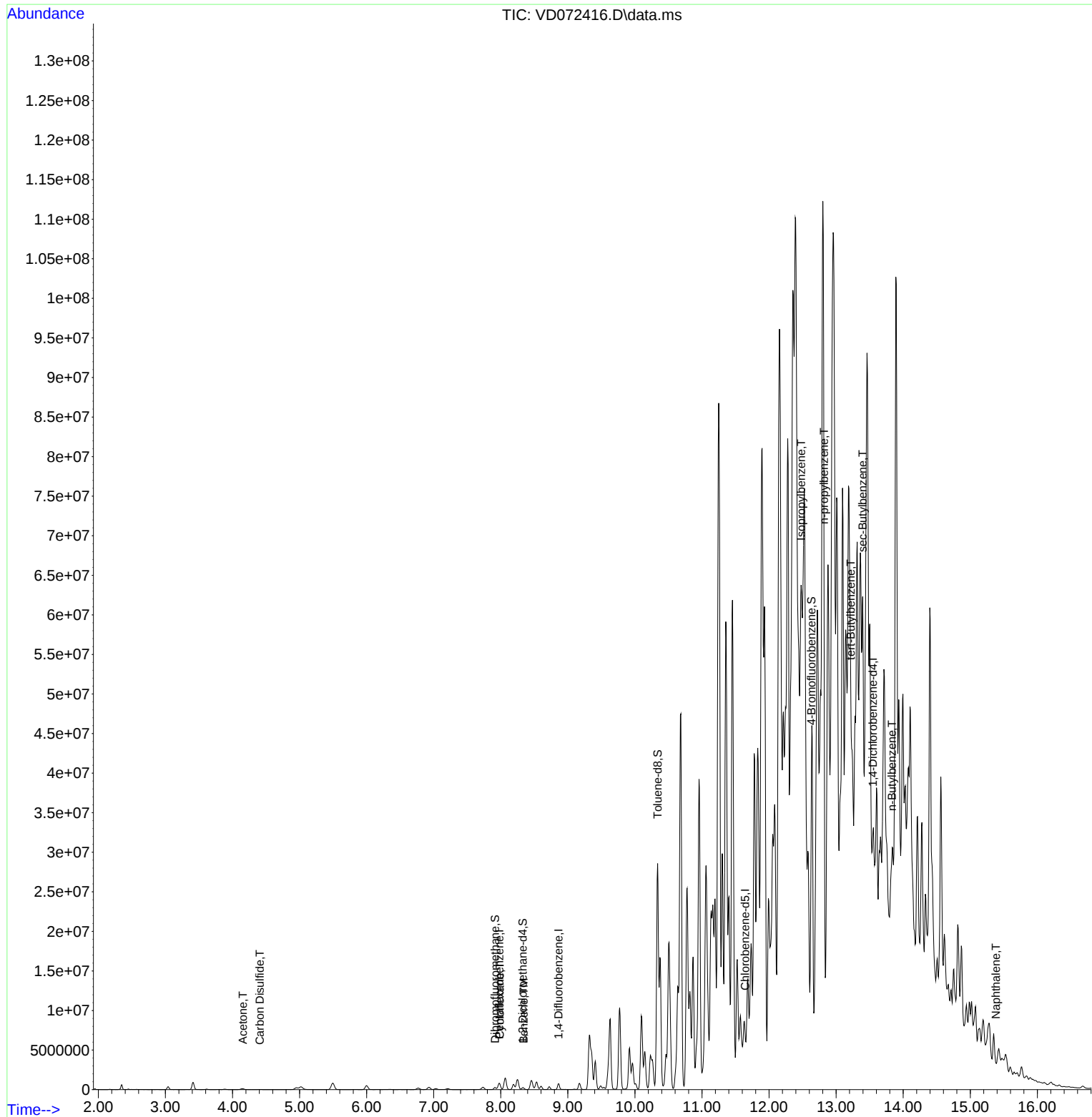
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032422\  
Data File : VD072416.D  
Acq On : 24 Mar 2022 19:11  
Operator : VA/SY  
Sample : N2077-13RE  
Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-3-3-(2.5-3.0)RE

Quant Time: Mar 25 02:58:16 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

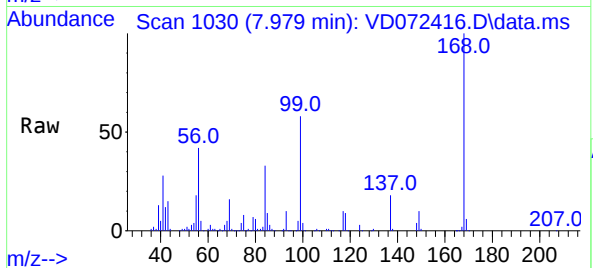
Reviewed By :John Carlone 03/25/2022  
Supervised By :Mahesh Dadoda 03/25/2022





Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.979 min Scan# 1029  
 Delta R.T. 0.006 min  
 Lab File: VD072416.D  
 Acq: 24 Mar 2022 19:11

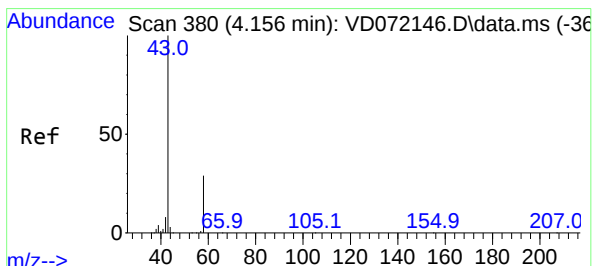
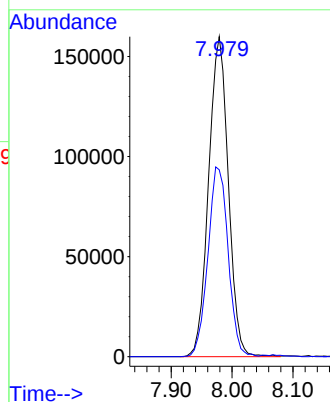
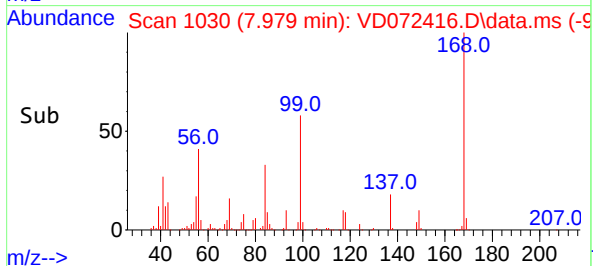
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-14A-3-3-(2.5-3.0)RE



Tgt Ion:168 Resp: 359415  
 Ion Ratio Lower Upper  
 168 100  
 99 58.4 49.8 74.6

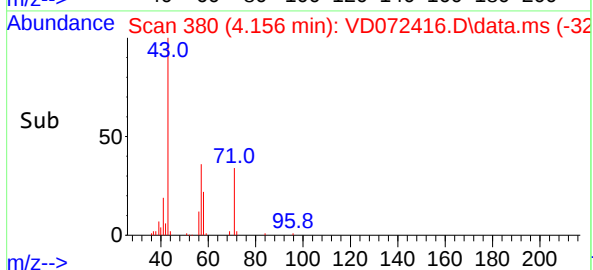
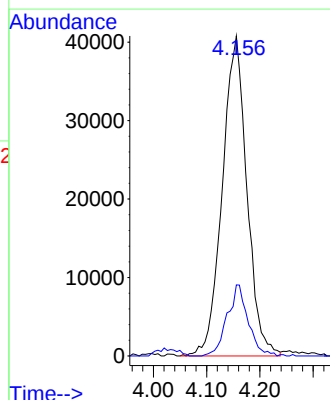
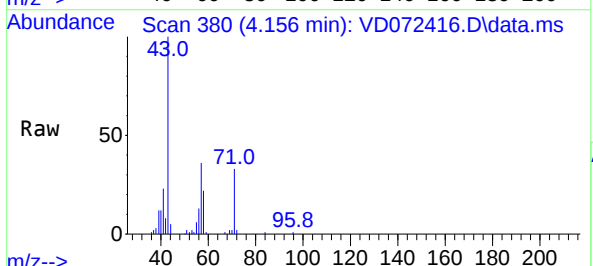
Manual Integrations  
 APPROVED

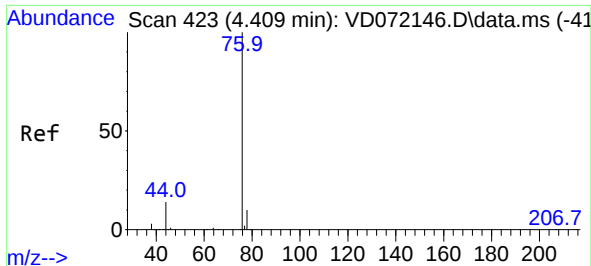
Reviewed By :John Carlone 03/25/2022  
 Supervised By :Mahesh Dadoda 03/25/2022



Acetone  
 Concen: 150.510 ug/l  
 RT: 4.156 min Scan# 380  
 Delta R.T. -0.000 min  
 Lab File: VD072416.D  
 Acq: 24 Mar 2022 19:11

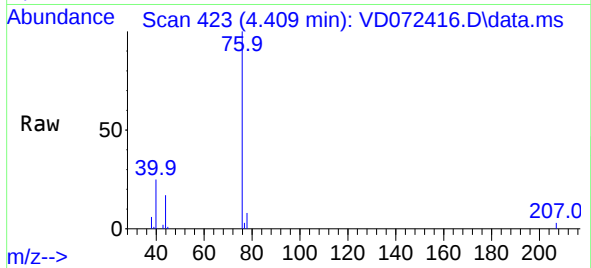
Tgt Ion: 43 Resp: 130894  
 Ion Ratio Lower Upper  
 43 100  
 58 21.8 22.1 33.1#





#17  
Carbon Disulfide  
Concen: 5.994 ug/l  
RT: 4.409 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

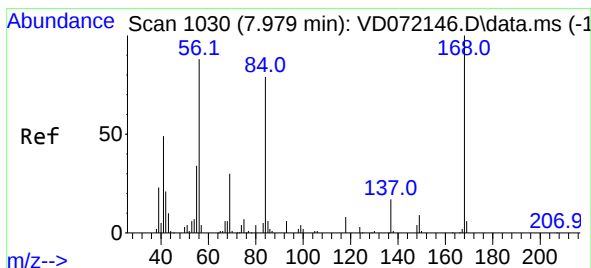
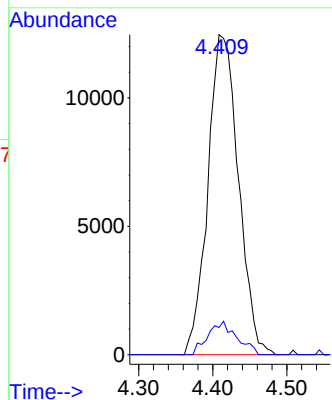
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-3-3-(2.5-3.0)RE



Tgt Ion: 76 Resp: 3569  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.5 11.3

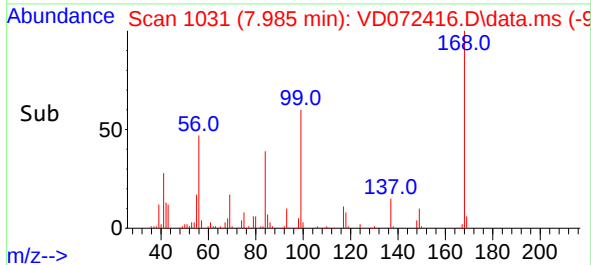
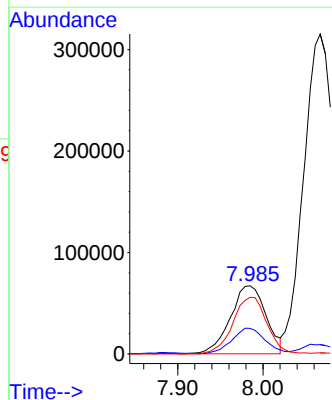
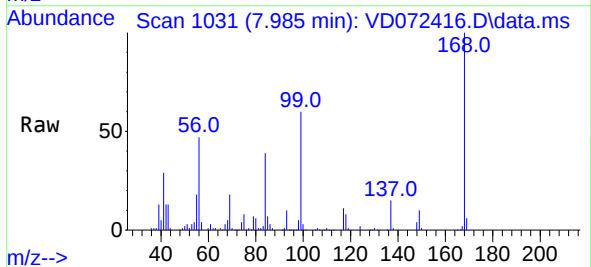
Manual Integrations  
APPROVED

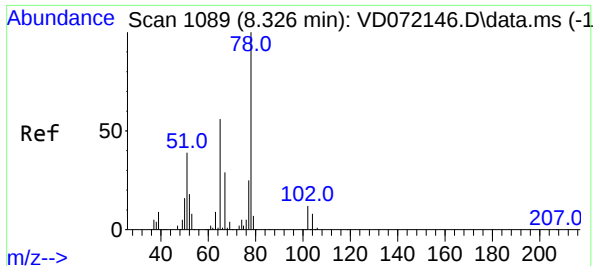
Reviewed By :John Carlone 03/25/2022  
Supervised By :Mahesh Dadoda 03/25/2022



#31  
Cyclohexane  
Concen: 31.178 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

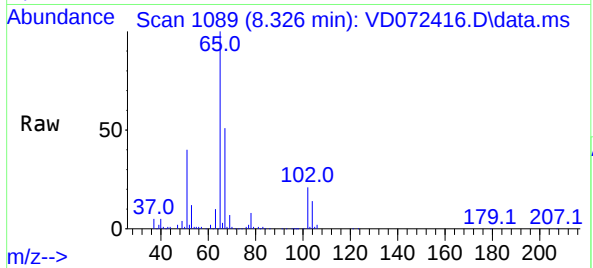
Tgt Ion: 56 Resp: 195111  
Ion Ratio Lower Upper  
56 100  
69 36.5 25.4 38.2  
84 83.3 63.0 94.4





#33  
1,2-Dichloroethane-d4  
Concen: 44.633 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

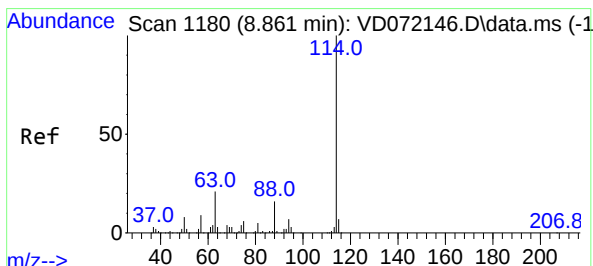
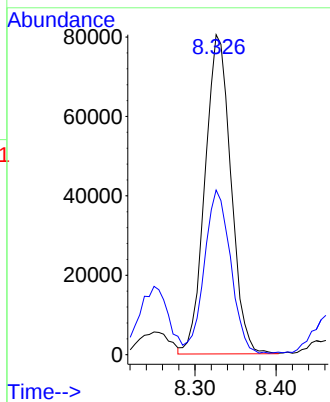
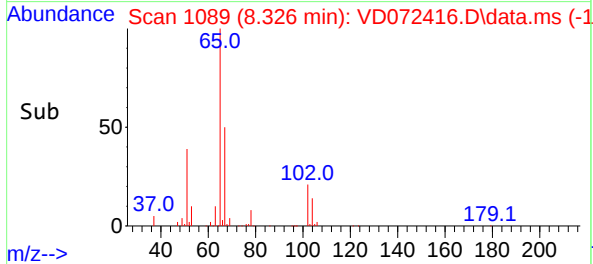
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-3-3-(2.5-3.0)RE



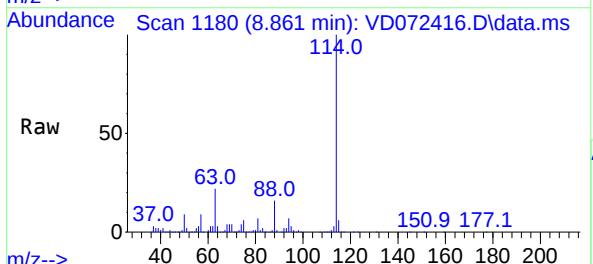
Tgt Ion: 65 Resp: 178776  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 101.4

Manual Integrations  
APPROVED

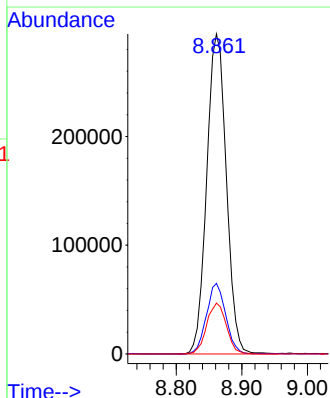
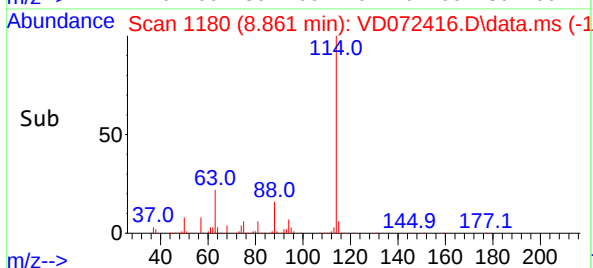
Reviewed By :John Carlone 03/25/2022  
Supervised By :Mahesh Dadoda 03/25/2022

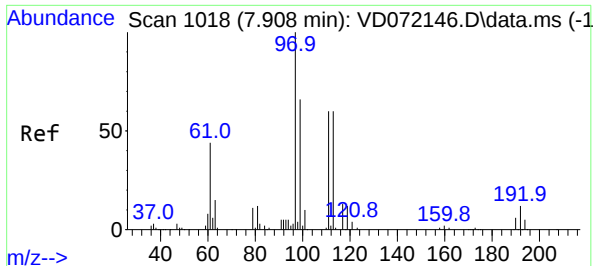


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11



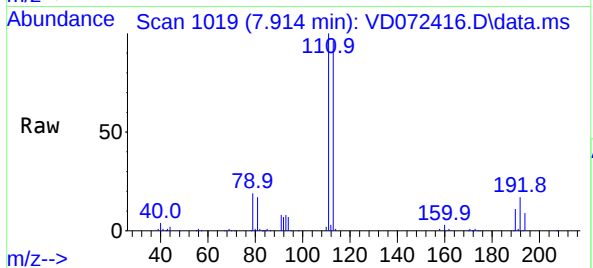
Tgt Ion:114 Resp: 611424  
Ion Ratio Lower Upper  
114 100  
63 22.1 0.0 46.6  
88 15.9 0.0 33.2





#35  
Dibromofluoromethane  
Concen: 44.216 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

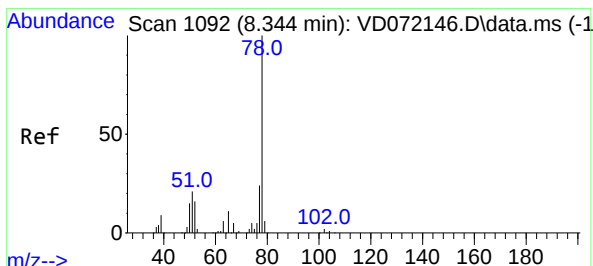
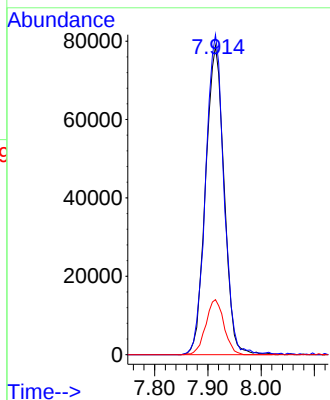
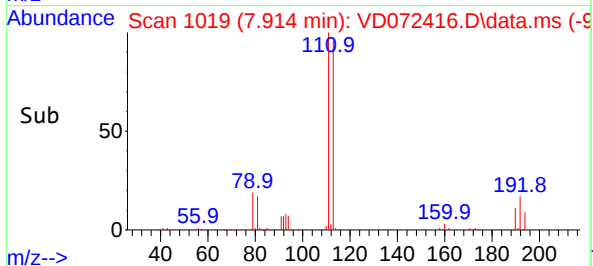
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-3-3-(2.5-3.0)RE



Tgt Ion:113 Resp: 190240  
Ion Ratio Lower Upper  
113 100  
111 102.2 83.8 125.6  
192 17.5 14.6 21.8

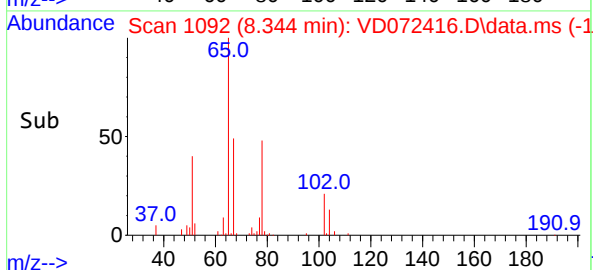
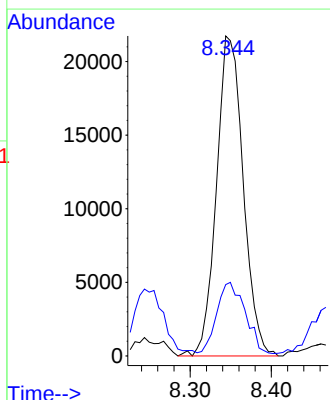
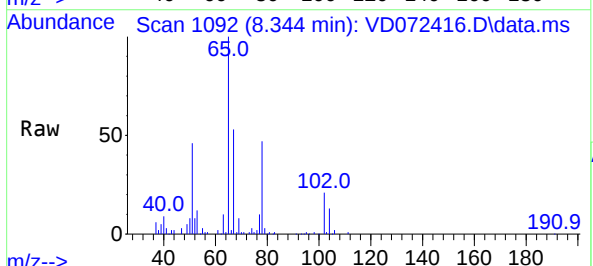
Manual Integrations  
APPROVED

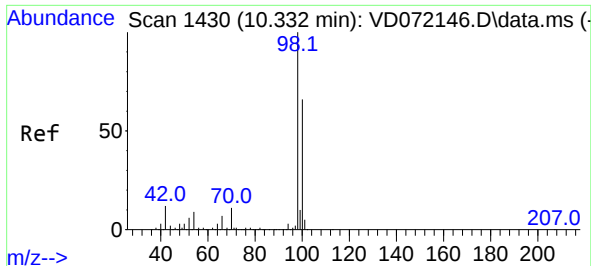
Reviewed By :John Carlone 03/25/2022  
Supervised By :Mahesh Dadoda 03/25/2022



#40  
Benzene  
Concen: 2.889 ug/l  
RT: 8.344 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

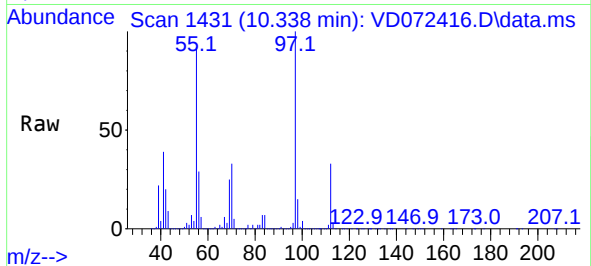
Tgt Ion: 78 Resp: 49741  
Ion Ratio Lower Upper  
78 100  
77 21.5 19.1 28.7





#50  
Toluene-d8  
Concen: 112.836 ug/l  
RT: 10.338 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

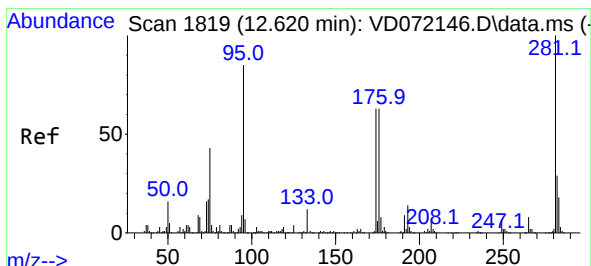
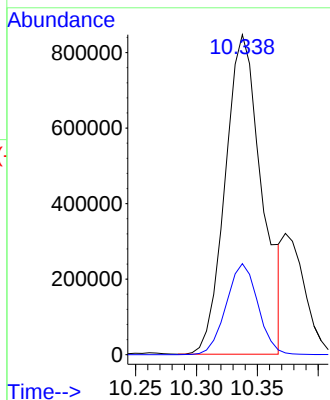
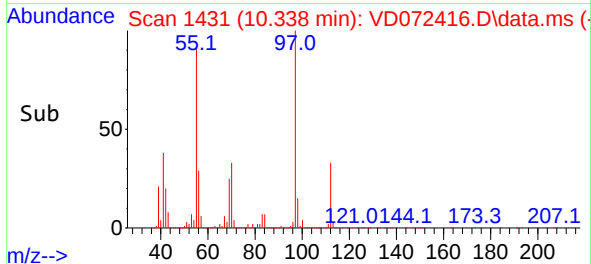
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-3-3-(2.5-3.0)RE



Tgt Ion: 98 Resp: 1775210  
Ion Ratio Lower Upper  
98 100  
100 24.7 52.4 78.6

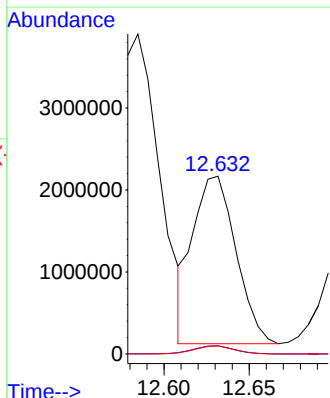
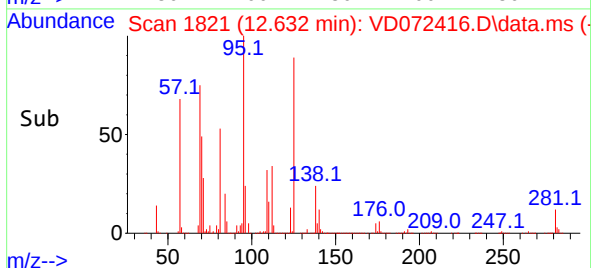
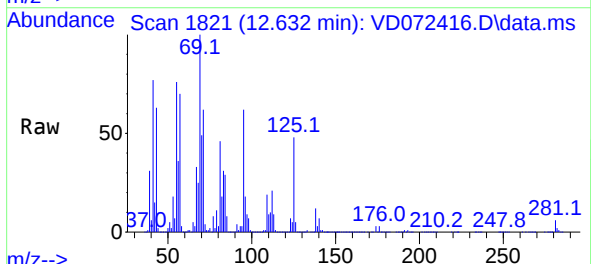
Manual Integrations  
APPROVED

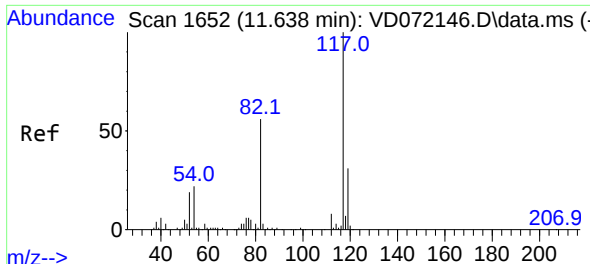
Reviewed By :John Carlone 03/25/2022  
Supervised By :Mahesh Dadoda 03/25/2022



#62  
4-Bromofluorobenzene  
Concen: 588.133 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.012 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

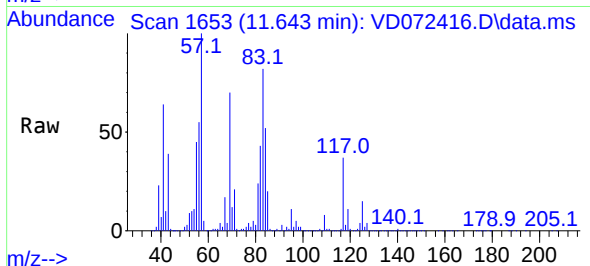
Tgt Ion: 95 Resp: 3595252  
Ion Ratio Lower Upper  
95 100  
174 4.6 0.0 152.8  
176 4.5 0.0 145.4





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.643 min Scan# 1163  
Delta R.T. 0.006 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

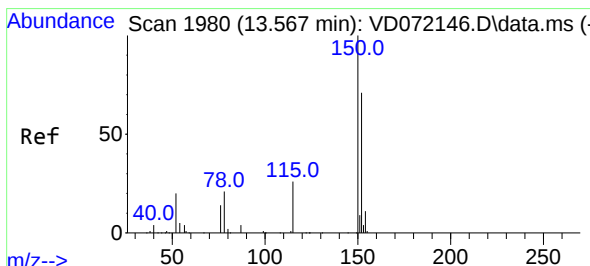
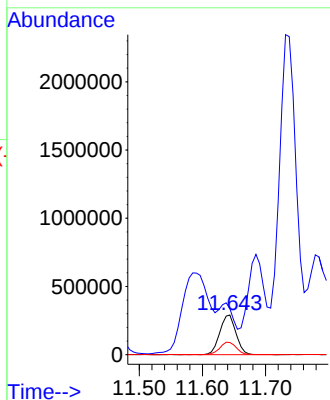
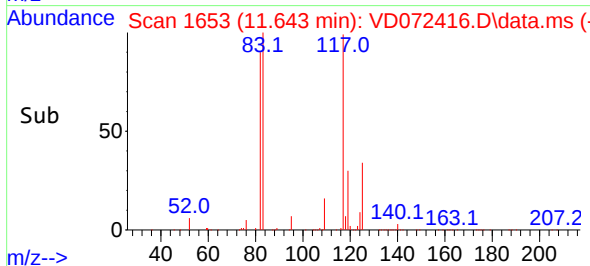
Instrument :  
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WC-14A-3-3-(2.5-3.0)RE



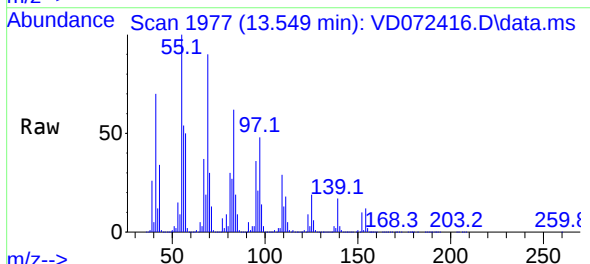
Tgt Ion:117 Resp: 51819  
Ion Ratio Lower Upper  
117 100  
82 49.9 45.3 67.9  
119 30.5 26.6 40.0

Manual Integrations  
APPROVED

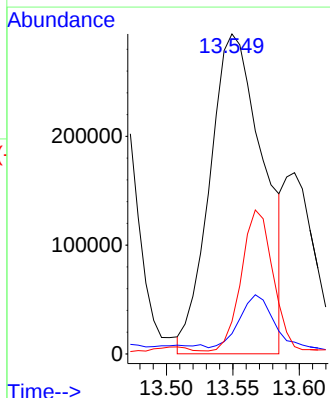
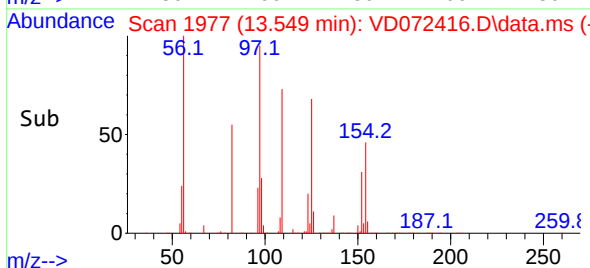
Reviewed By :John Carlone 03/25/2022  
Supervised By :Mahesh Dadoda 03/25/2022

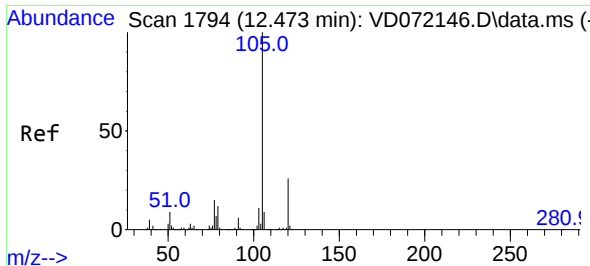


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l m  
RT: 13.549 min Scan# 1977  
Delta R.T. -0.018 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11



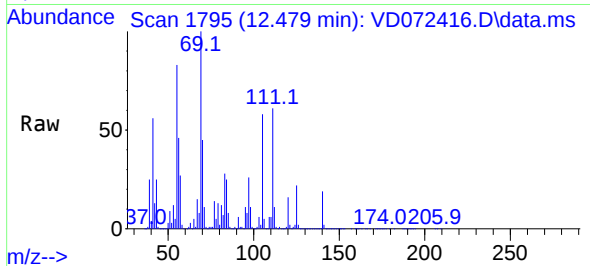
Tgt Ion:152 Resp: 822265  
Ion Ratio Lower Upper  
152 100  
115 33.5 31.3 93.8  
150 1.1 0.0 348.6





#73  
Isopropylbenzene  
Concen: 108.808 ug/l  
RT: 12.479 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

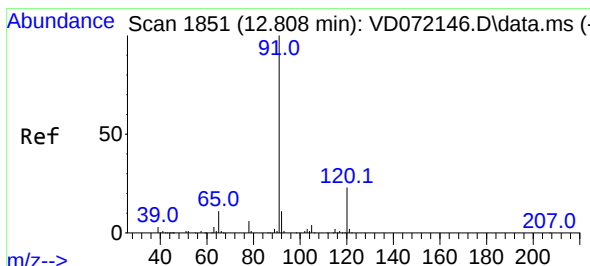
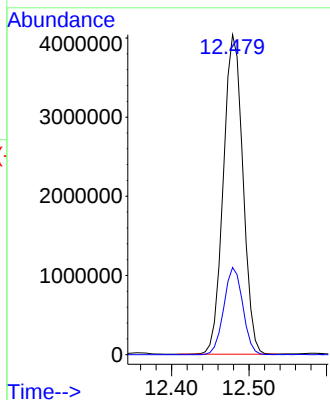
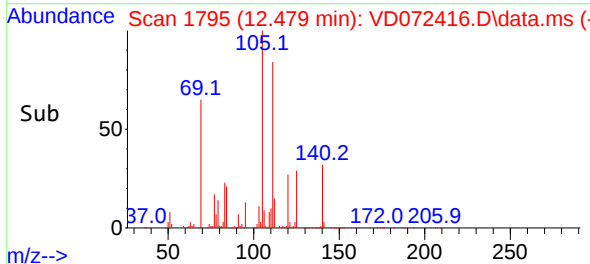
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-3-3-(2.5-3.0)RE



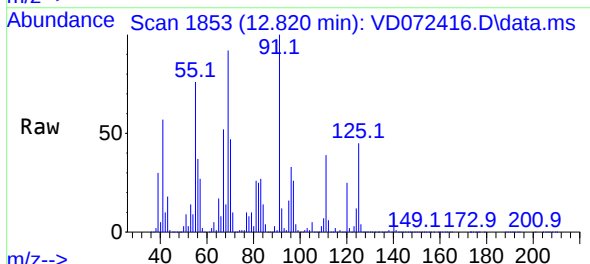
Tgt Ion:105 Resp: 708995  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.0 38.9

Manual Integrations  
APPROVED

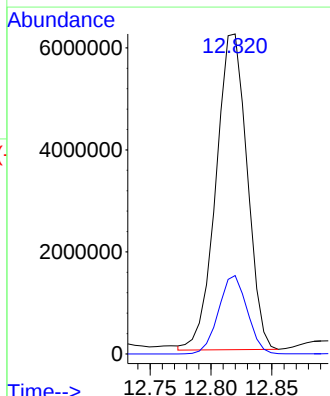
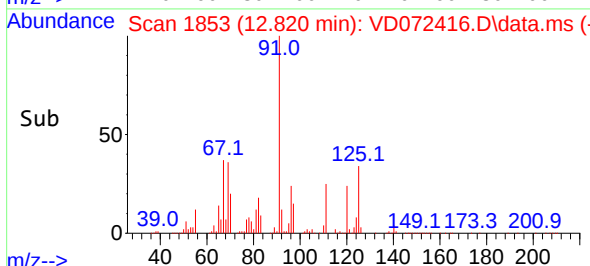
Reviewed By :John Carlone 03/25/2022  
Supervised By :Mahesh Dadoda 03/25/2022

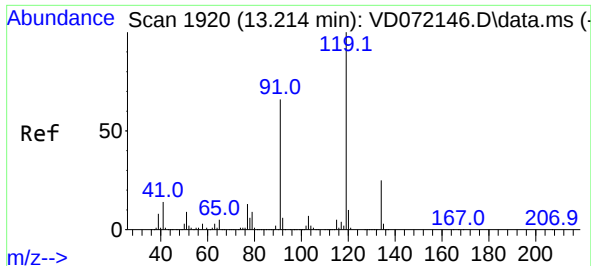


#78  
n-propylbenzene  
Concen: 139.023 ug/l  
RT: 12.820 min Scan# 1853  
Delta R.T. 0.012 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11



Tgt Ion: 91 Resp:11003273  
Ion Ratio Lower Upper  
91 100  
120 22.8 10.9 32.9





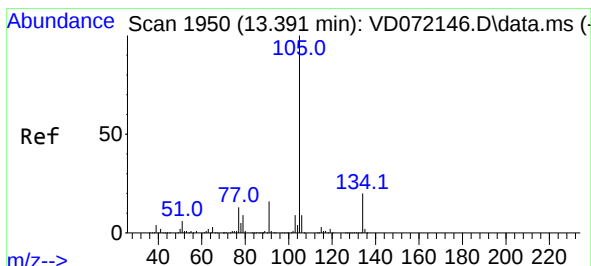
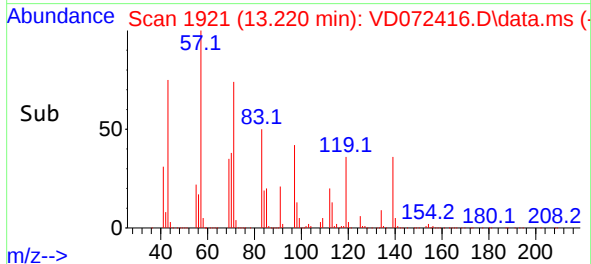
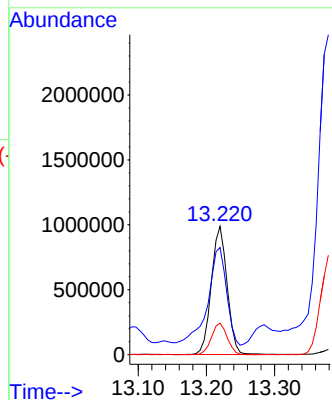
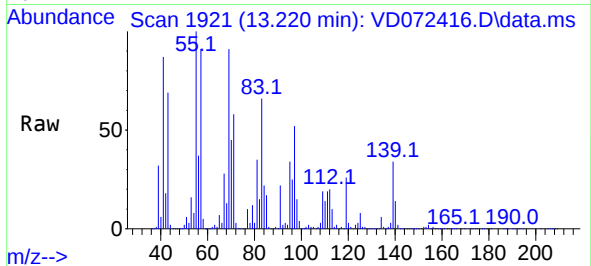
#83  
tert-Butylbenzene  
Concen: 32.415 ug/l  
RT: 13.220 min Scan# 1920  
Delta R.T. 0.006 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-14A-3-3-(2.5-3.0)RE

Tgt Ion:119 Resp: 159085  
Ion Ratio Lower Upper  
119 100  
91 91.0 34.8 104.5  
134 24.4 13.3 39.9

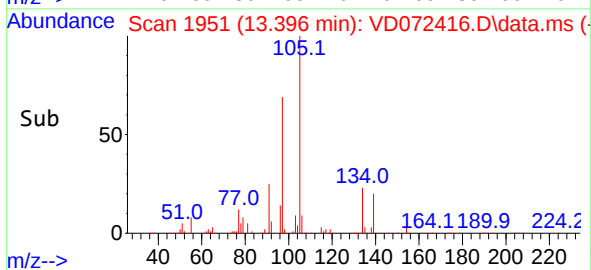
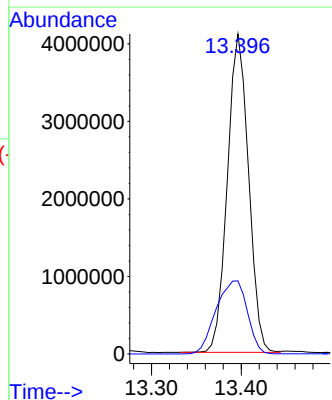
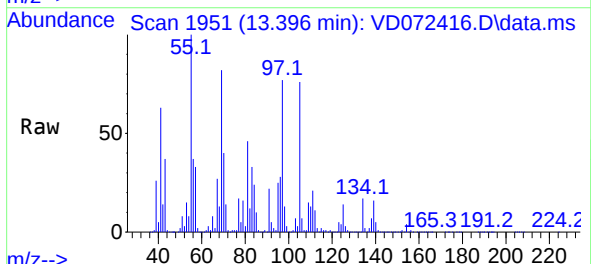
Manual Integrations  
APPROVED

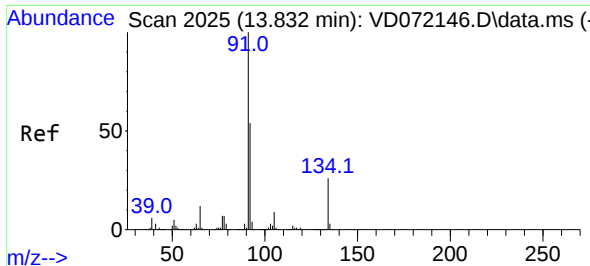
Reviewed By :John Carlone 03/25/2022  
Supervised By :Mahesh Dadoda 03/25/2022



#85  
sec-Butylbenzene  
Concen: 91.257 ug/l  
RT: 13.396 min Scan# 1951  
Delta R.T. 0.006 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

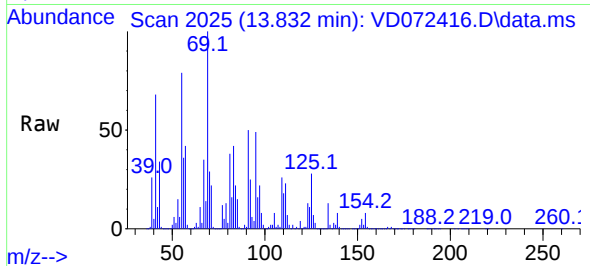
Tgt Ion:105 Resp: 6725810  
Ion Ratio Lower Upper  
105 100  
134 33.8 9.8 29.3#





#89  
n-Butylbenzene  
Concen: 34.798 ug/l  
RT: 13.832 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11

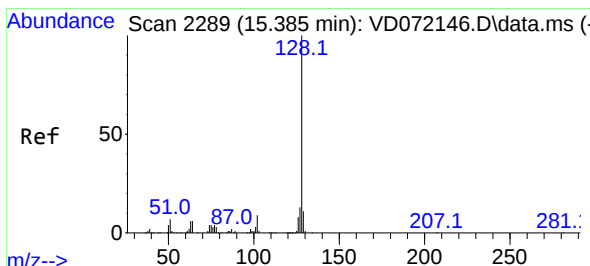
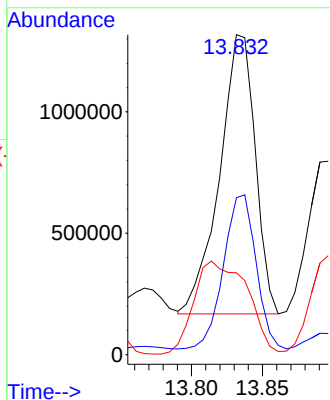
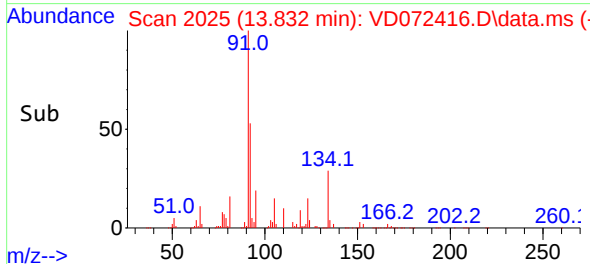
Instrument : MSVOA\_D  
ClientSampleId : WC-14A-3-3-(2.5-3.0)RE



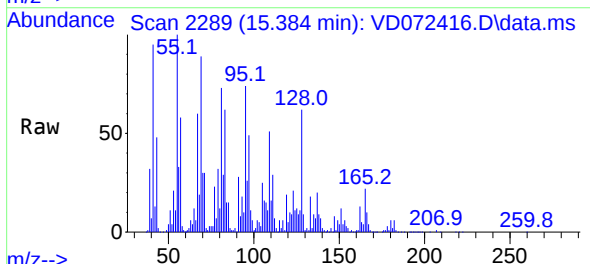
Tgt Ion: 91 Resp: 2011540  
Ion Ratio Lower Upper  
91 100  
92 50.5 26.6 79.8  
134 0.0 12.3 36.9

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/25/2022  
Supervised By :Mahesh Dadoda 03/25/2022



#95  
Naphthalene  
Concen: 6.995 ug/l  
RT: 15.384 min Scan# 2289  
Delta R.T. -0.000 min  
Lab File: VD072416.D  
Acq: 24 Mar 2022 19:11



Tgt Ion:128 Resp: 213924  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 6.2 8.4 12.6#

