

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070124\  
 Data File : VX042119.D  
 Acq On : 01 Jul 2024 17:05  
 Operator : JC/MD  
 Sample : P3092-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW6-20240626-A

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/02/2024  
 Supervised By : Mahesh Dadoda 07/02/2024

Quant Time: Jul 02 02:08:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 2024  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|-------|----------|
| -----                       |                |      |            |          |       |          |
| Internal Standards          |                |      |            |          |       |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 134109     | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 206761     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 207946     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 111305     | 50.000   | ug/l  | 0.00     |
|                             |                |      |            |          |       |          |
| System Monitoring Compounds |                |      |            |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 65962      | 42.654   | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 85.300%  |       |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 63356      | 43.185   | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 86.380%  |       |          |
| 50) Toluene-d8              | 8.647          | 98   | 243382     | 47.223   | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 94.440%  |       |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 97776      | 51.465   | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 102.920% |       |          |
|                             |                |      |            |          |       |          |
| Target Compounds            |                |      |            |          |       | Qvalue   |
| 11) Tert butyl alcohol      | 3.001          | 59   | 3939       | 13.421   | ug/l  | # 78     |
| 16) Acetone                 | 2.392          | 43   | 15414      | 22.699   | ug/l  | 91       |
| 17) Carbon Disulfide        | 2.501          | 76   | 1169       | 0.496    | ug/l  | # 76     |
| 19) Methyl tert-butyl Ether | 3.123          | 73   | 55798      | 14.601   | ug/l  | # 86     |
| 25) 2-Butanone              | 4.580          | 43   | 12439      | 11.775   | ug/l  | # 88     |
| 31) Cyclohexane             | 5.464          | 56   | 24533      | 13.565   | ug/l  | 93       |
| 39) Methylcyclohexane       | 7.378          | 83   | 35821      | 18.181   | ug/l  | 92       |
| 40) Benzene                 | 6.037          | 78   | 1723325    | 327.988  | ug/l  | 99       |
| 52) Toluene                 | 8.720          | 92   | 245708     | 73.437   | ug/l  | 99       |
| 67) Ethyl Benzene           | 10.195         | 91   | 672438     | 99.215   | ug/l  | 98       |
| 68) m/p-Xylenes             | 10.299         | 106  | 510393     | 186.551  | ug/l  | 90       |
| 69) o-Xylene                | 10.640         | 106  | 347932     | 128.450  | ug/l  | 92       |
| 73) Isopropylbenzene        | 10.963         | 105  | 41876      | 6.188    | ug/l  | 97       |
| 78) n-propylbenzene         | 11.305         | 91   | 53367      | 7.268    | ug/l  | 96       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 181578     | 32.211   | ug/l  | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 771320     | 136.385  | ug/l  | 91       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 5548m      | 0.793    | ug/l  |          |
| 86) p-Isopropyltoluene      | 11.969         | 119  | 14895      | 2.437    | ug/l  | 94       |
| 95) Naphthalene             | 13.774         | 128  | 197354     | 25.109   | ug/l  | 100      |
| -----                       |                |      |            |          |       |          |

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

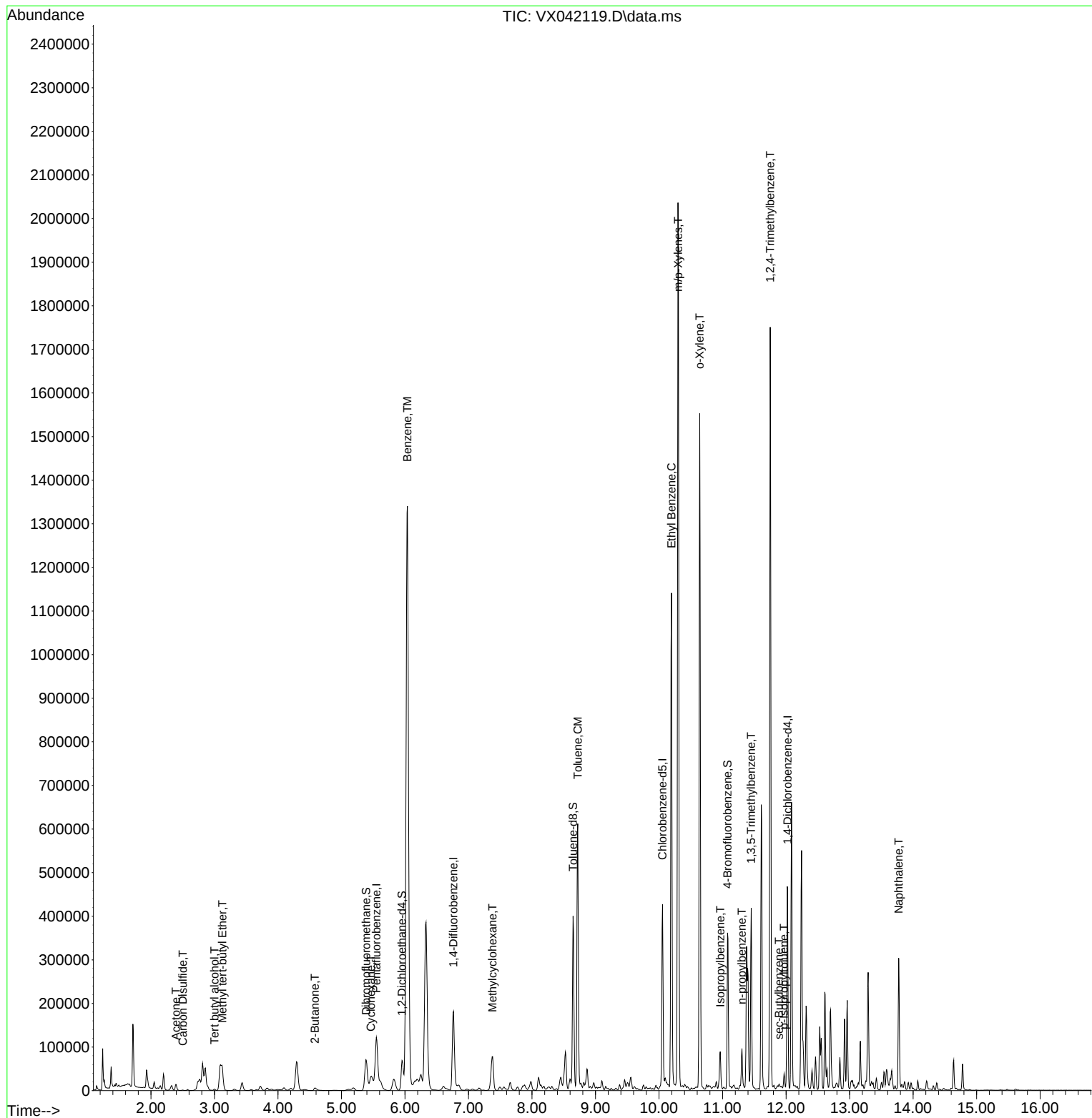
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070124\  
Data File : VX042119.D  
Acq On : 01 Jul 2024 17:05  
Operator : JC/MD  
Sample : P3092-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

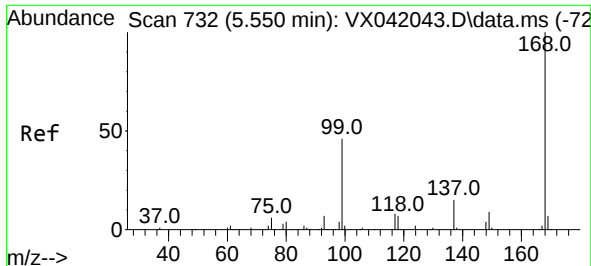
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A

Quant Time: Jul 02 02:08:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

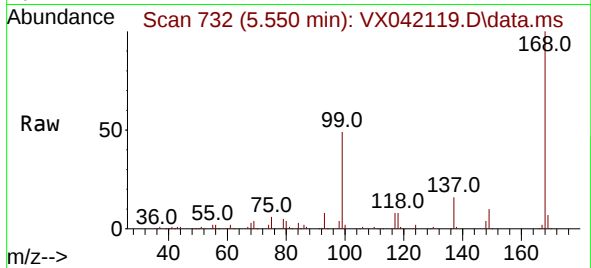
Reviewed By : John Carlone 07/02/2024  
Supervised By : Mahesh Dadoda 07/02/2024





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

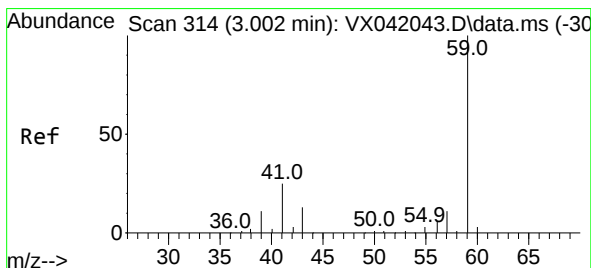
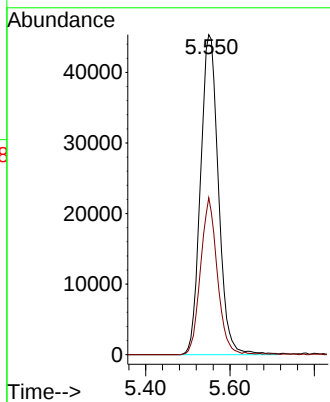
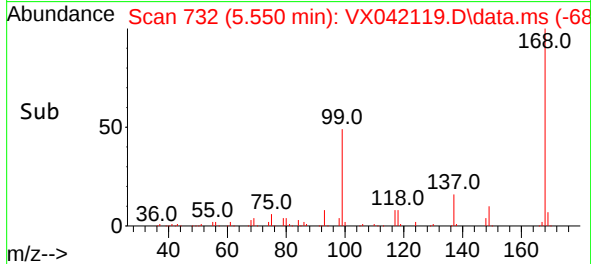
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A



Tgt Ion:168 Resp: 134109  
Ion Ratio Lower Upper  
168 100  
99 49.0 56.6 85.0

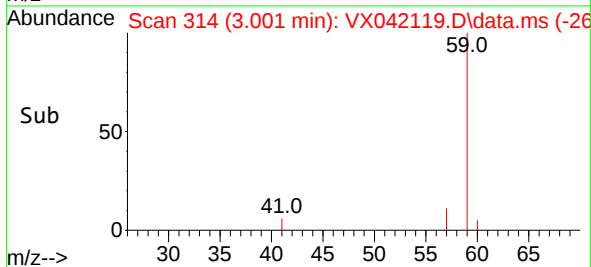
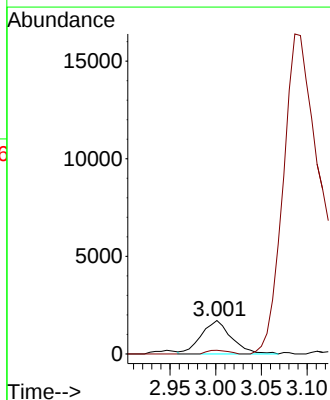
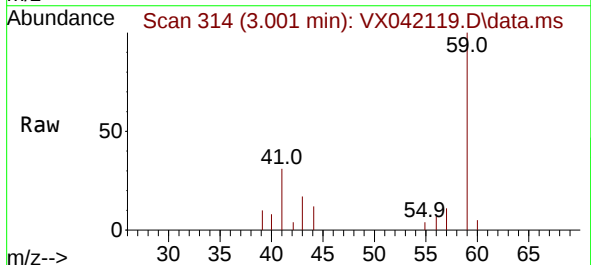
Manual Integrations  
APPROVED

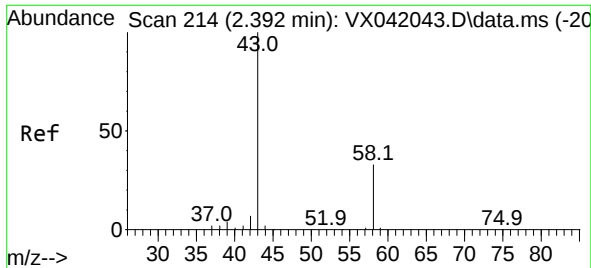
Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024



#11  
Tert butyl alcohol  
Concen: 13.421 ug/l  
RT: 3.001 min Scan# 314  
Delta R.T. -0.006 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

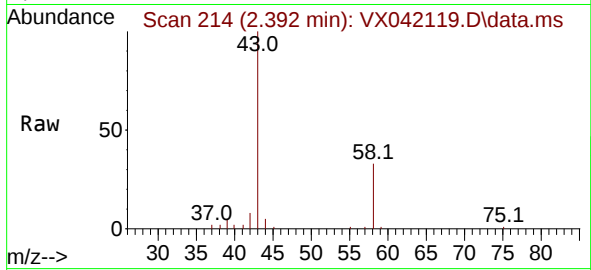
Tgt Ion: 59 Resp: 3939  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0





#16  
Acetone  
Concen: 22.699 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

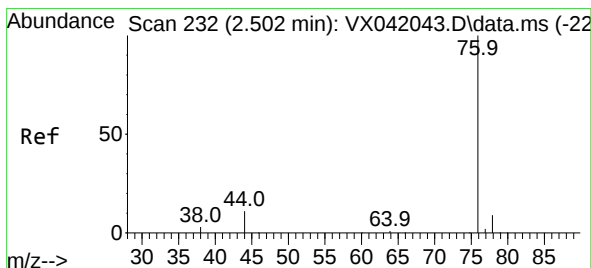
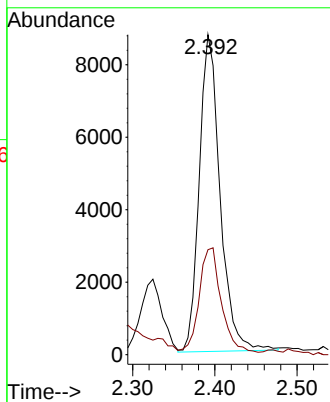
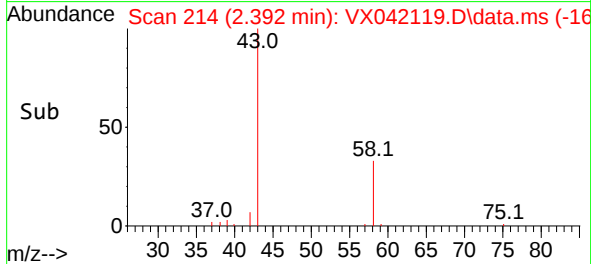
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A



Tgt Ion: 43 Resp: 15414  
Ion Ratio Lower Upper  
43 100  
58 32.2 21.9 32.9

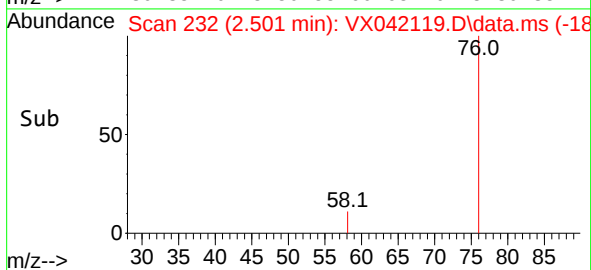
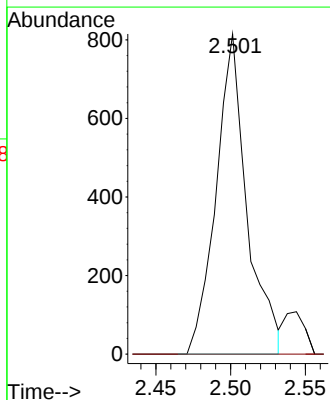
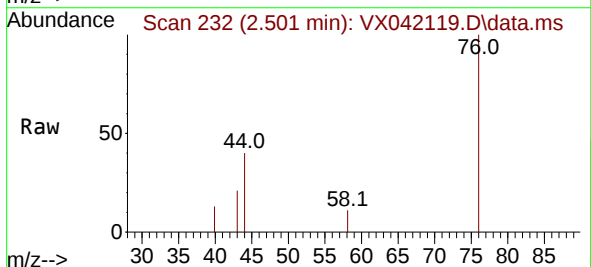
Manual Integrations  
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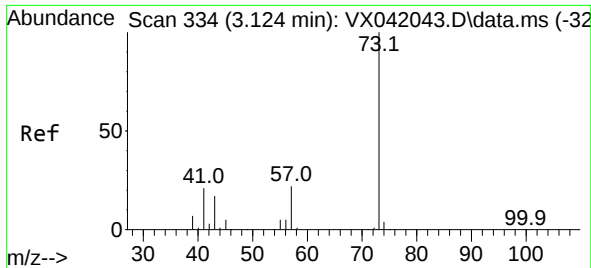
Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024



#17  
Carbon Disulfide  
Concen: 0.496 ug/l  
RT: 2.501 min Scan# 232  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

Tgt Ion: 76 Resp: 1169  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#





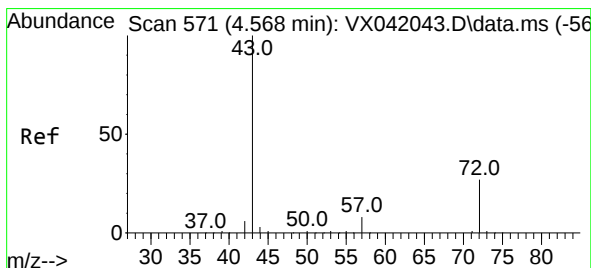
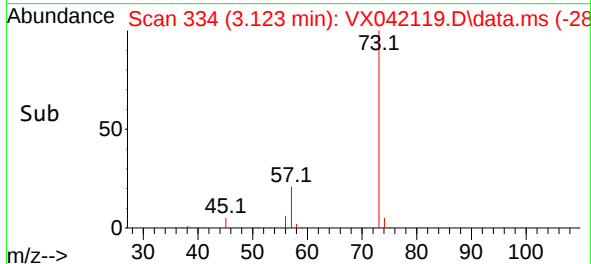
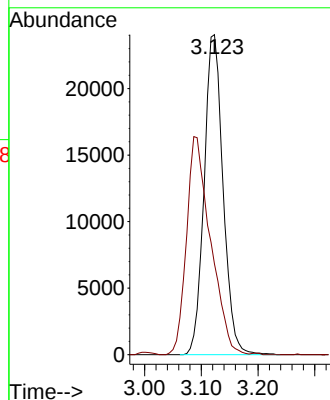
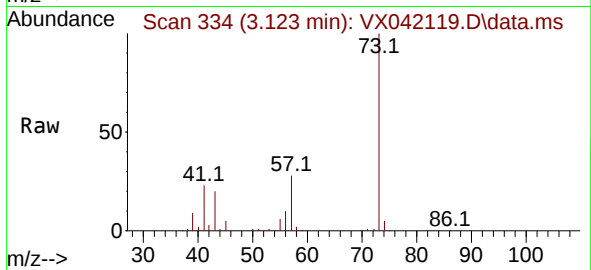
#19  
Methyl tert-butyl Ether  
Concen: 14.601 ug/l  
RT: 3.123 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A

Tgt Ion: 73 Resp: 55798  
Ion Ratio Lower Upper  
73 100  
57 28.4 17.3 25.9

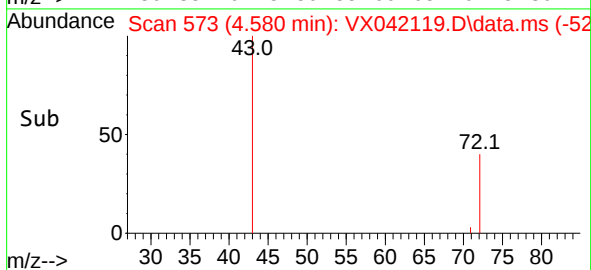
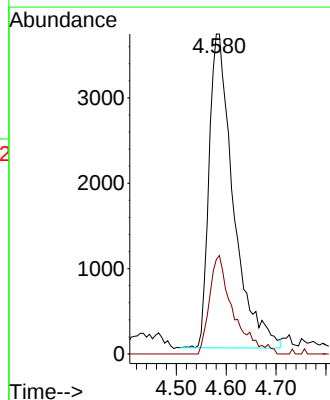
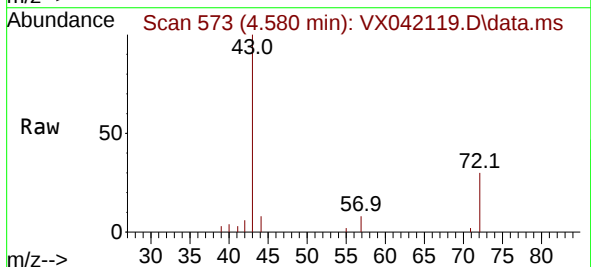
Manual Integrations  
APPROVED

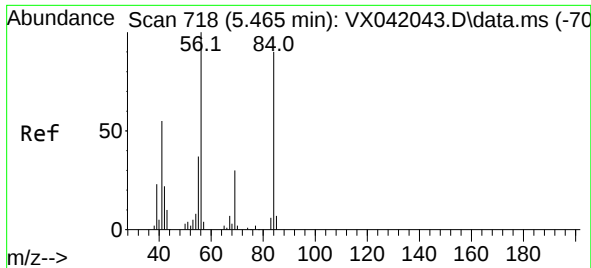
Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024



#25  
2-Butanone  
Concen: 11.775 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. 0.006 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

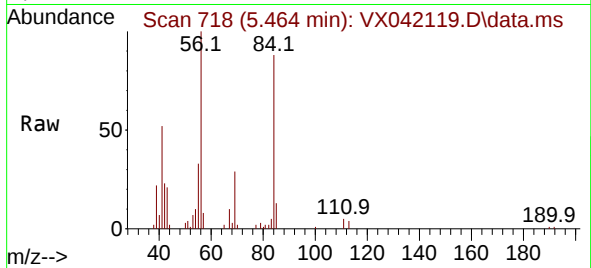
Tgt Ion: 43 Resp: 12439  
Ion Ratio Lower Upper  
43 100  
72 30.1 19.4 29.2





#31  
Cyclohexane  
Concen: 13.565 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

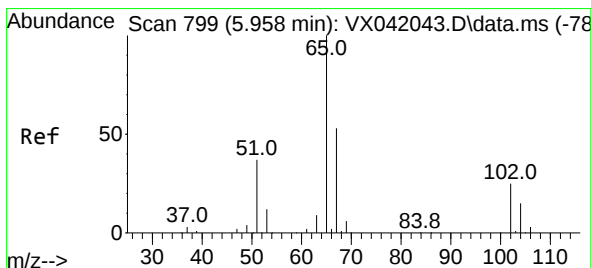
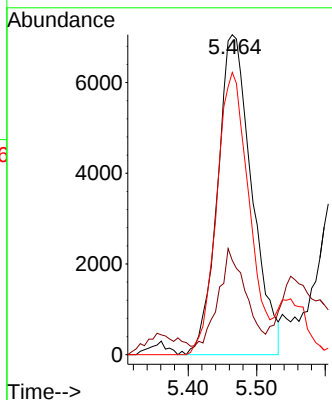
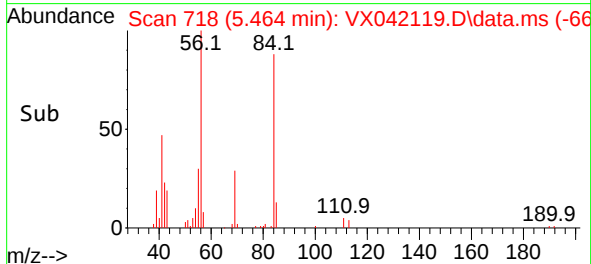
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A



Tgt Ion: 56 Resp: 2453  
Ion Ratio Lower Upper  
56 100  
69 24.2 23.4 35.2  
84 88.2 65.9 98.9

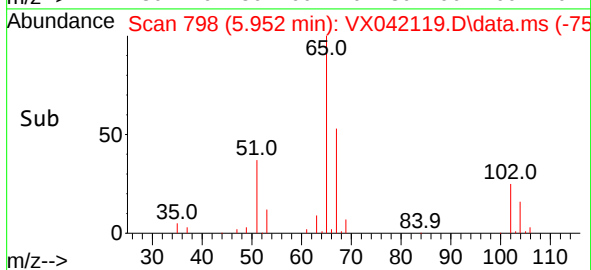
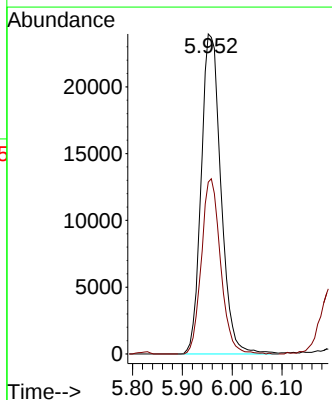
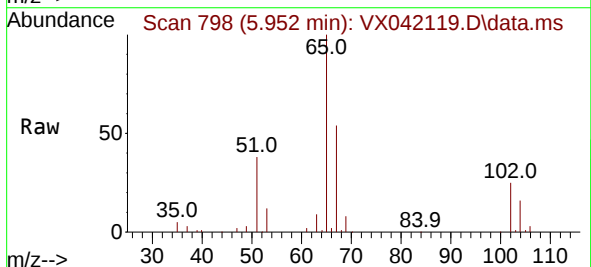
Manual Integrations  
APPROVED

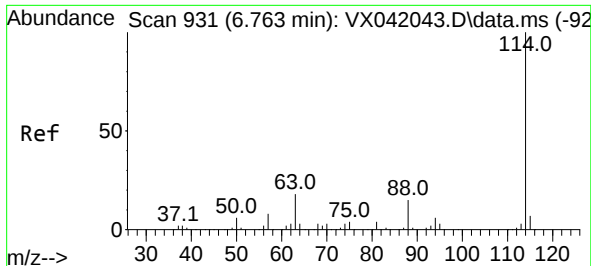
Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024



#33  
1,2-Dichloroethane-d4  
Concen: 42.654 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

Tgt Ion: 65 Resp: 65962  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 100.2





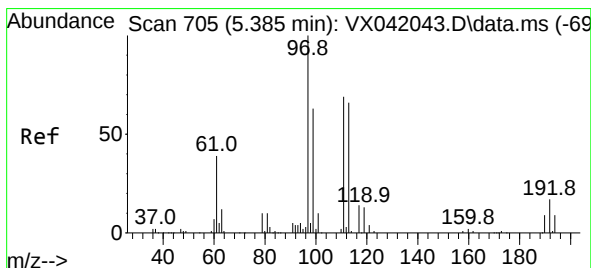
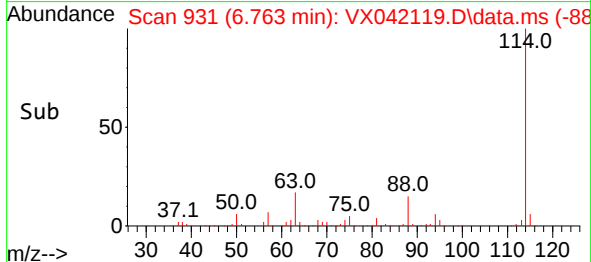
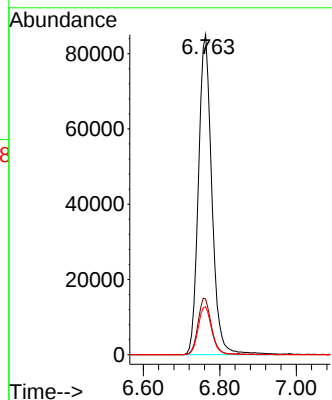
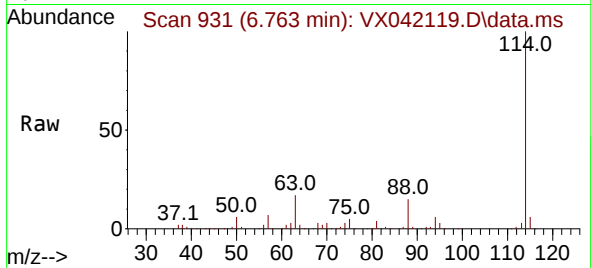
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A

Tgt Ion:114 Resp: 20676  
Ion Ratio Lower Upper  
114 100  
63 17.4 0.0 45.0  
88 15.0 0.0 36.6

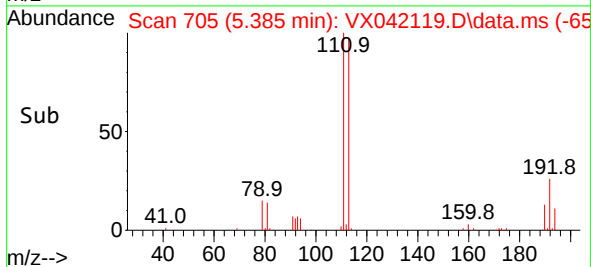
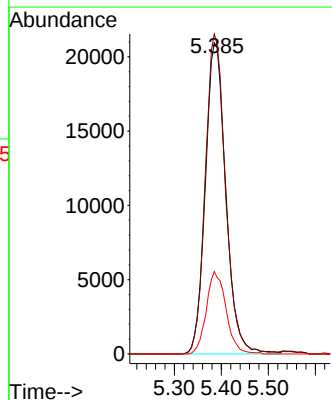
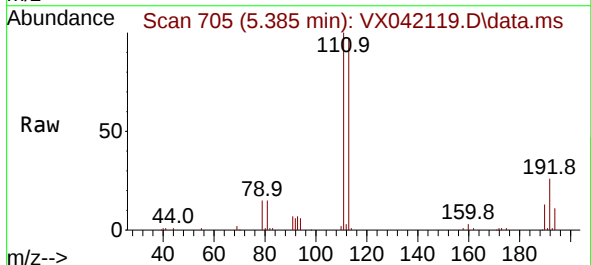
Manual Integrations  
APPROVED

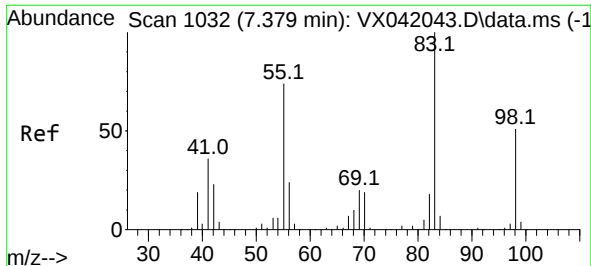
Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024



#35  
Dibromofluoromethane  
Concen: 43.185 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

Tgt Ion:113 Resp: 63356  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.9 124.3  
192 25.5 13.3 19.9#





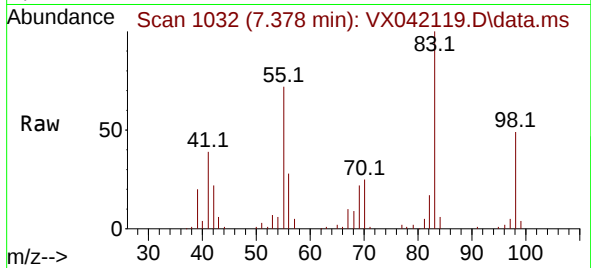
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Methylcyclohexane  
Concen: 18.181 ug/l  
RT: 7.378 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

Instrument :

MSVOA\_X

ClientSampleId :

MW6-20240626-A



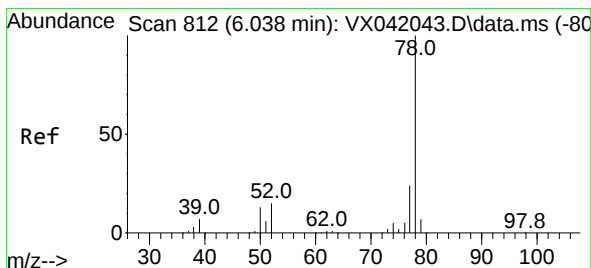
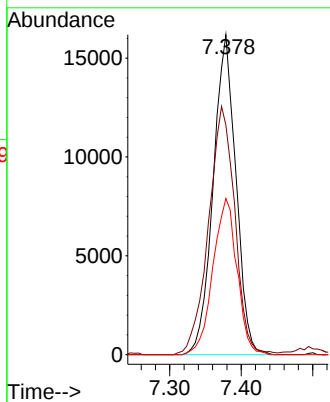
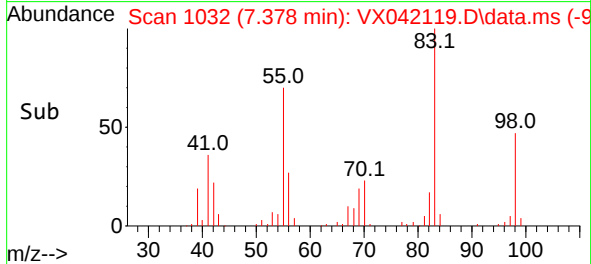
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Ion Ratio Lower Upper  
83 100  
55 71.2 64.6 97.0  
98 48.8 36.7 55.1

Manual Integrations

APPROVED

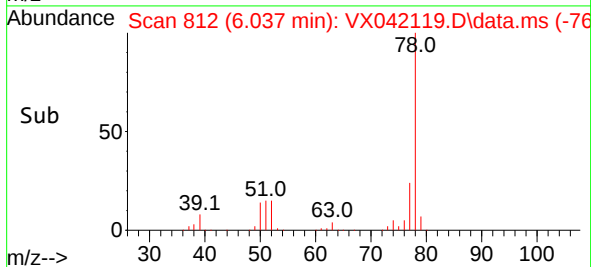
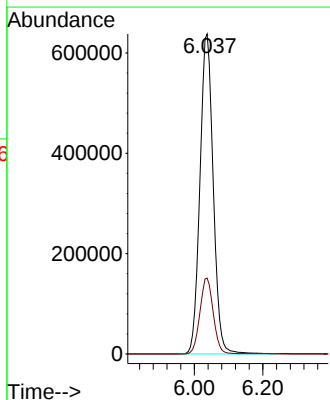
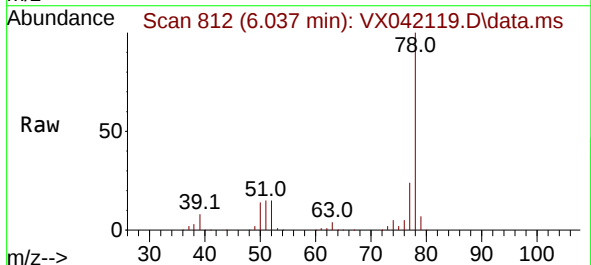
Reviewed By :John Carlone 07/02/2024

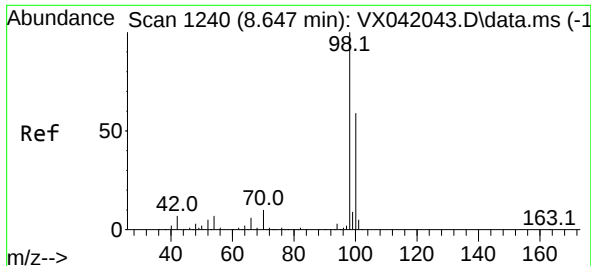
Supervised By :Mahesh Dadoda 07/02/2024



#40  
Benzene  
Concen: 327.988 ug/l  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

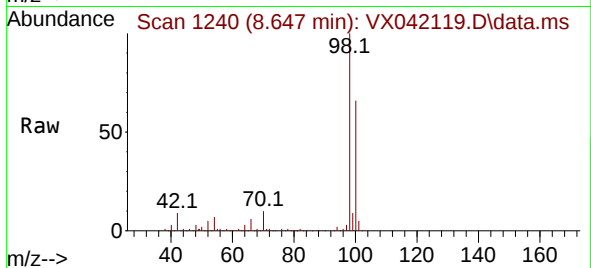
Tgt Ion: 78 Resp: 1723325  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.3 28.9





#50  
Toluene-d8  
Concen: 47.223 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

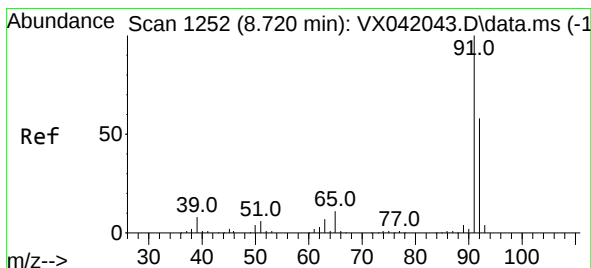
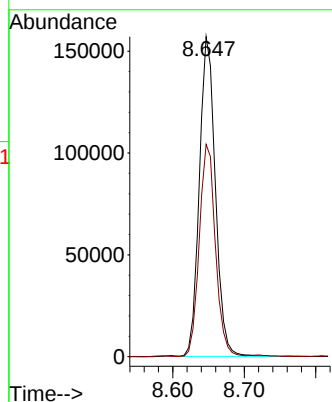
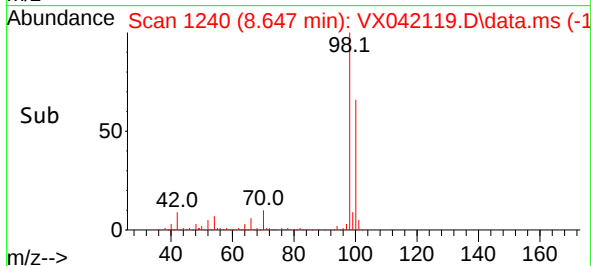
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A



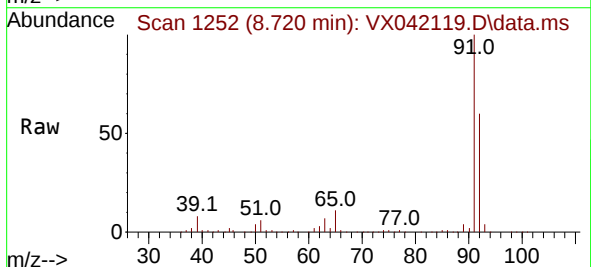
Tgt Ion: 98 Resp: 24338  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.1 79.7

Manual Integrations  
APPROVED

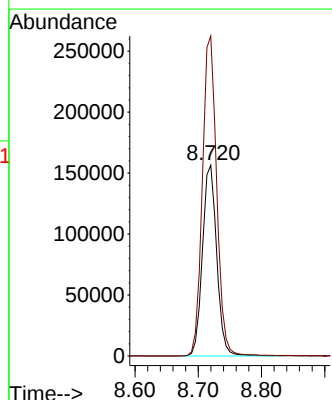
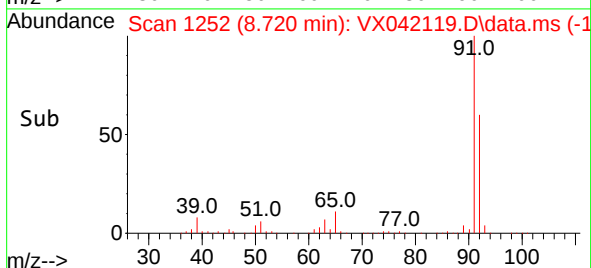
Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024

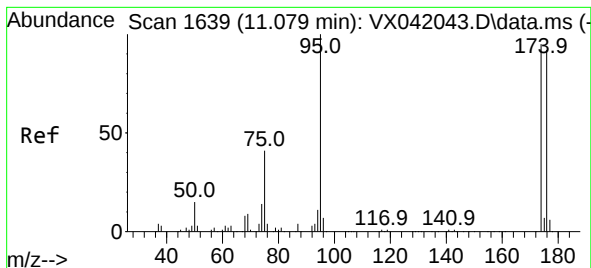


#52  
Toluene  
Concen: 73.437 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05



Tgt Ion: 92 Resp: 245708  
Ion Ratio Lower Upper  
92 100  
91 168.7 134.2 201.2





#62  
4-Bromofluorobenzene  
Concen: 51.465 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

Instrument :

MSVOA\_X

ClientSampleId :

MW6-20240626-A

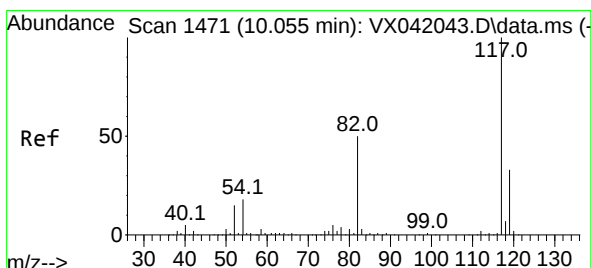
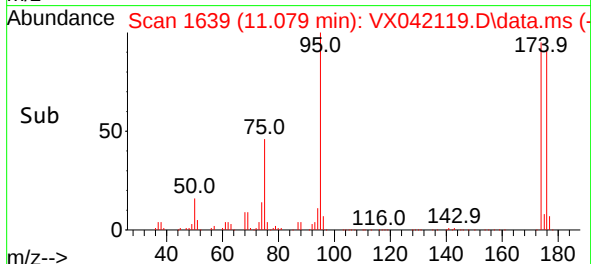
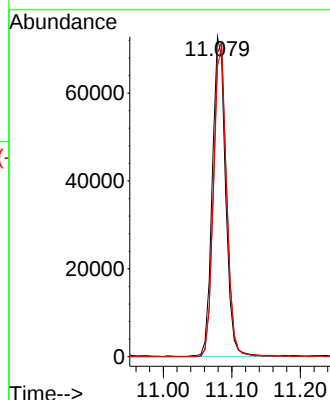
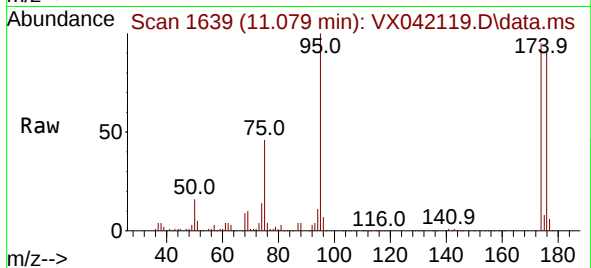
Tgt Ion: 95 Resp: 97776  
Ion Ratio Lower Upper  
95 100  
174 97.6 0.0 135.6  
176 95.4 0.0 131.0

Manual Integrations

APPROVED

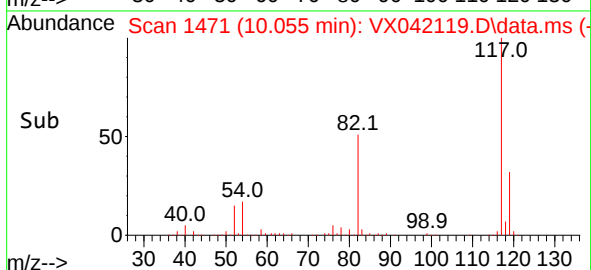
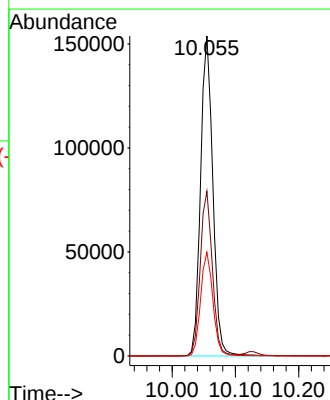
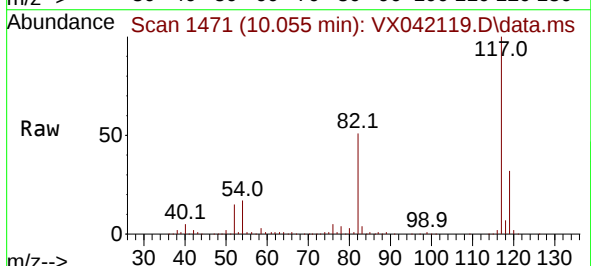
Reviewed By :John Carlone 07/02/2024

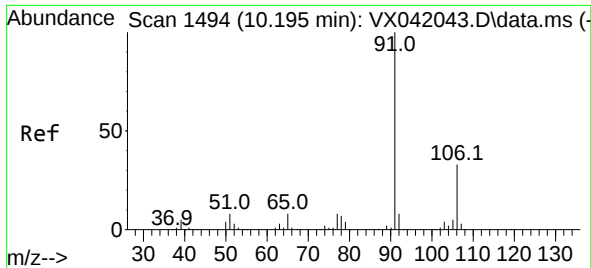
Supervised By :Mahesh Dadoda 07/02/2024



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

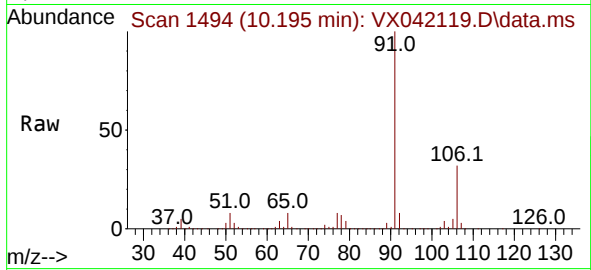
Tgt Ion:117 Resp: 207946  
Ion Ratio Lower Upper  
117 100  
82 51.4 46.2 69.4  
119 32.4 25.5 38.3





#67  
Ethyl Benzene  
Concen: 99.215 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

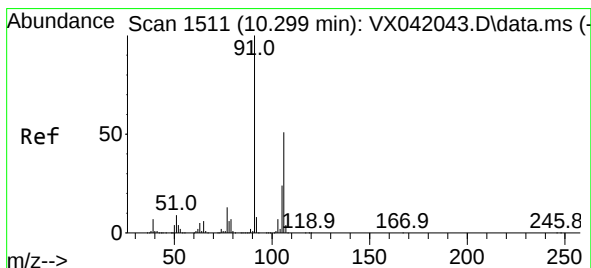
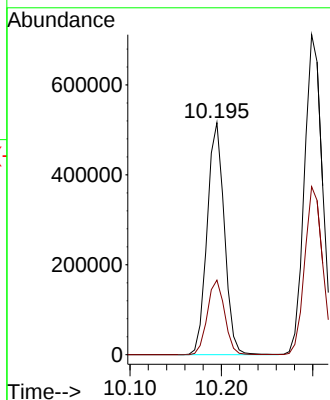
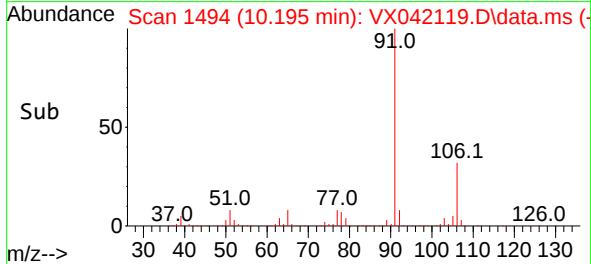
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A



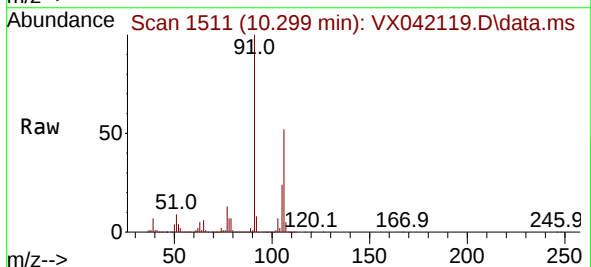
Tgt Ion: 91 Resp: 672438  
Ion Ratio Lower Upper  
91 100  
106 32.1 24.9 37.3

Manual Integrations  
APPROVED

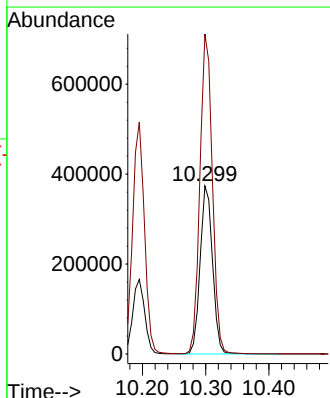
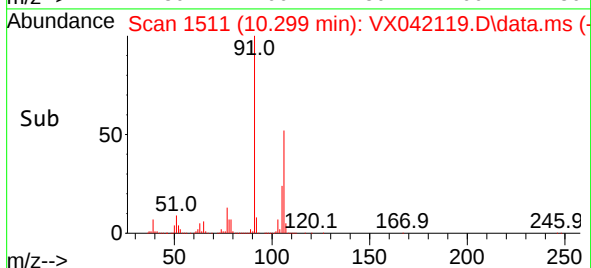
Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024

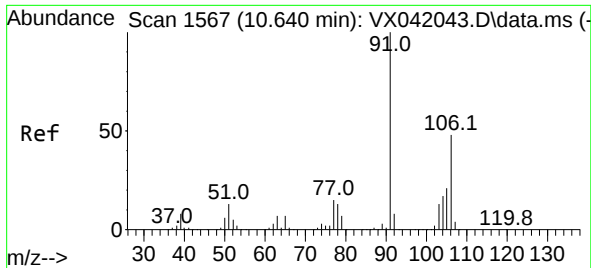


#68  
m/p-Xylenes  
Concen: 186.551 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05



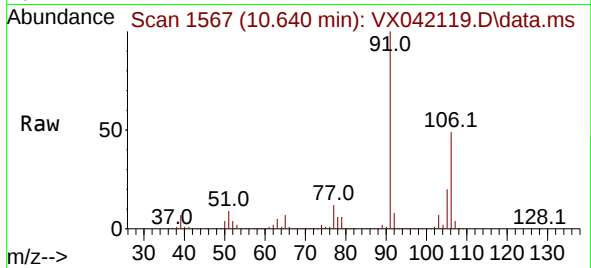
Tgt Ion:106 Resp: 510393  
Ion Ratio Lower Upper  
106 100  
91 191.4 165.5 248.3





#69  
o-Xylene  
Concen: 128.450 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

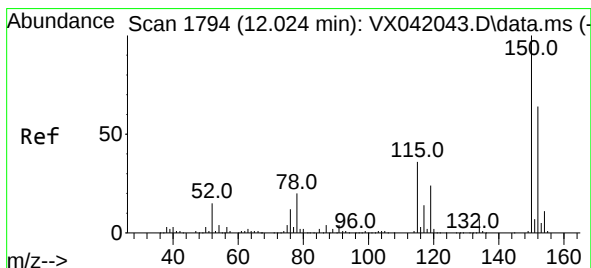
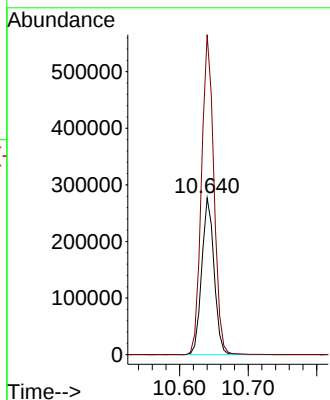
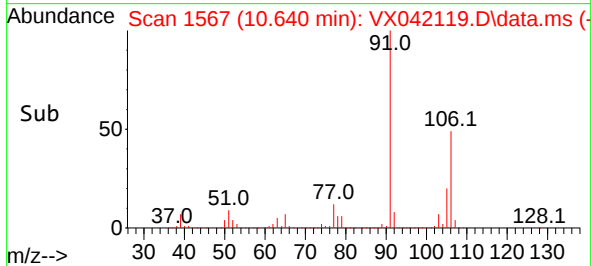
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A



Tgt Ion:106 Resp: 347932  
Ion Ratio Lower Upper  
106 100  
91 204.7 108.9 326.8

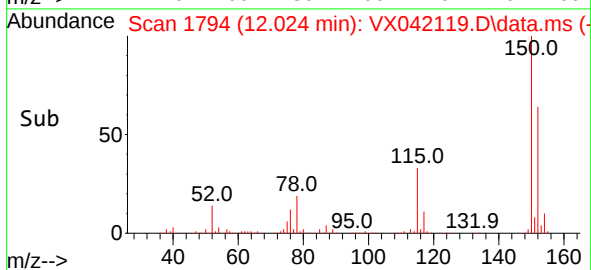
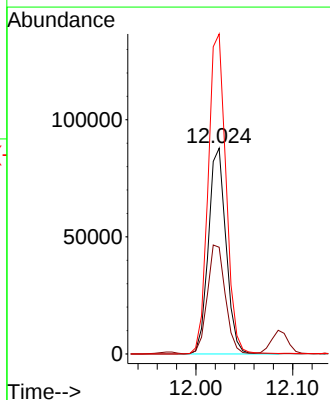
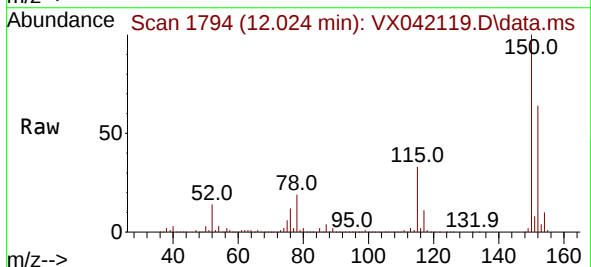
Manual Integrations  
APPROVED

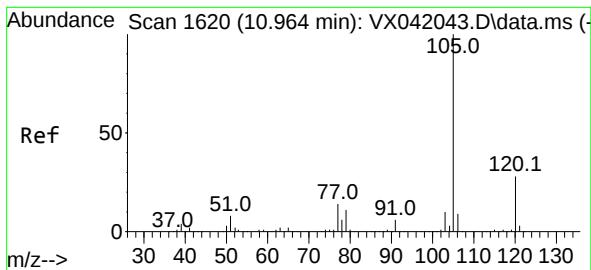
Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

Tgt Ion:152 Resp: 111305  
Ion Ratio Lower Upper  
152 100  
115 53.9 43.3 129.9  
150 158.2 0.0 345.0





#73

Isopropylbenzene

Concen: 6.188 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX042119.D

Acq: 01 Jul 2024 17:05

Instrument :

MSVOA\_X

ClientSampleId :

MW6-20240626-A

Tgt Ion:105 Resp: 41870

Ion Ratio Lower Upper

105 100

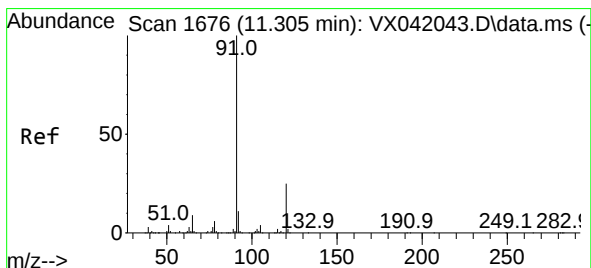
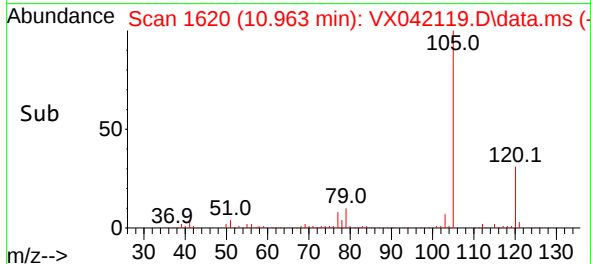
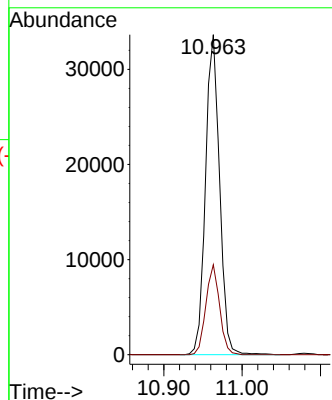
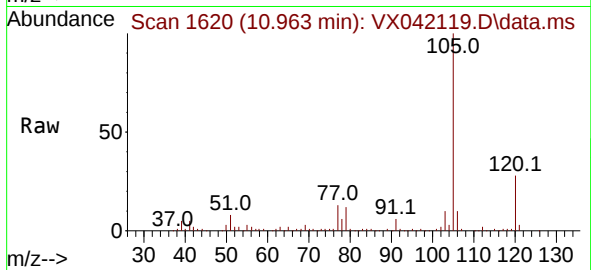
120 27.3 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/02/2024

Supervised By :Mahesh Dadoda 07/02/2024



#78

n-propylbenzene

Concen: 7.268 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX042119.D

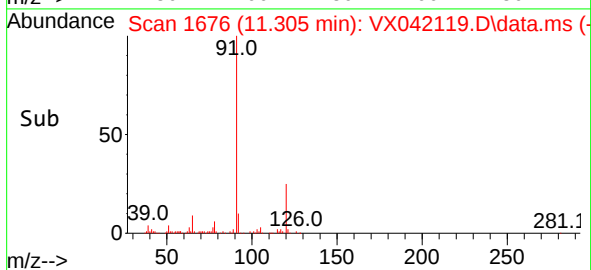
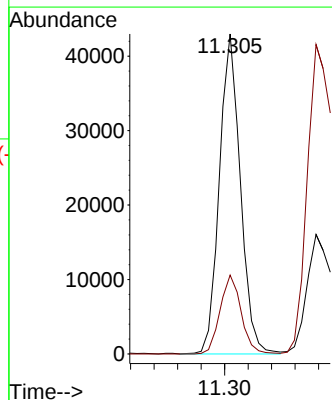
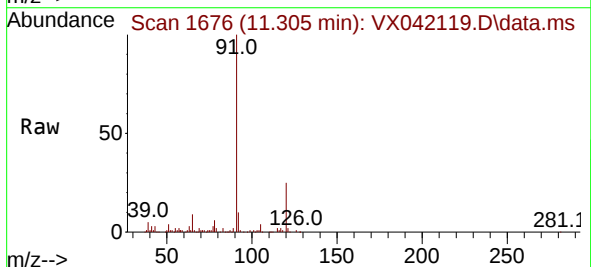
Acq: 01 Jul 2024 17:05

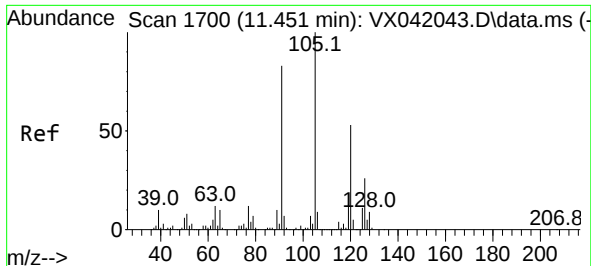
Tgt Ion: 91 Resp: 53367

Ion Ratio Lower Upper

91 100

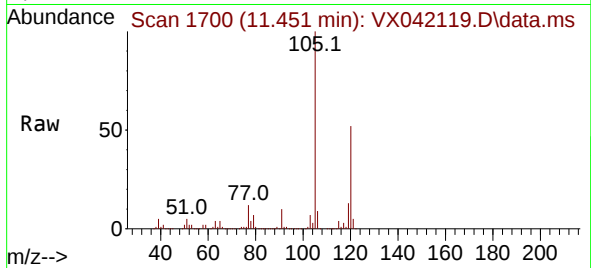
120 24.7 11.5 34.4





#80  
1,3,5-Trimethylbenzene  
Concen: 32.211 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

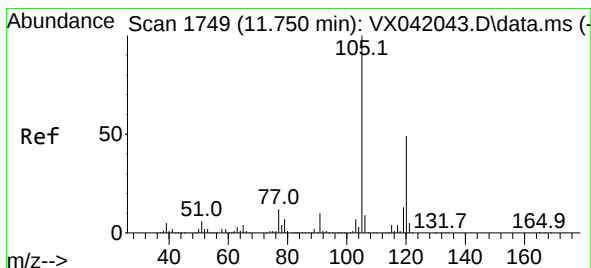
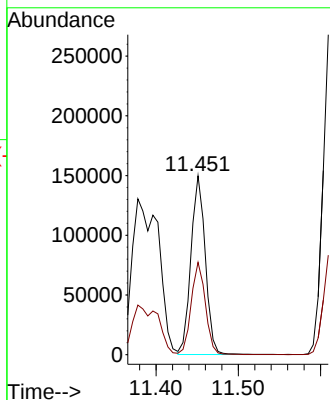
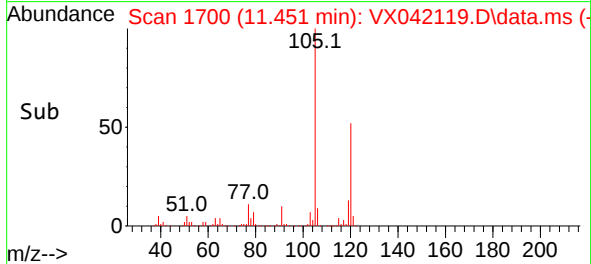
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A



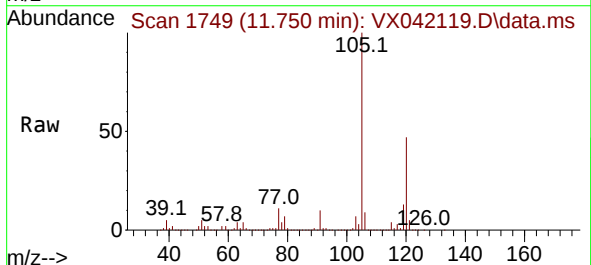
Tgt Ion:105 Resp: 181578  
Ion Ratio Lower Upper  
105 100  
120 51.0 24.1 72.3

Manual Integrations  
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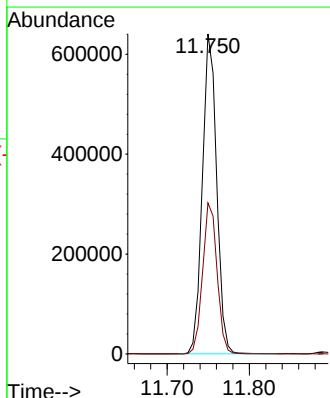
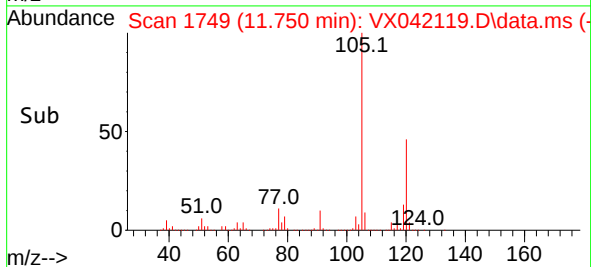
Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024

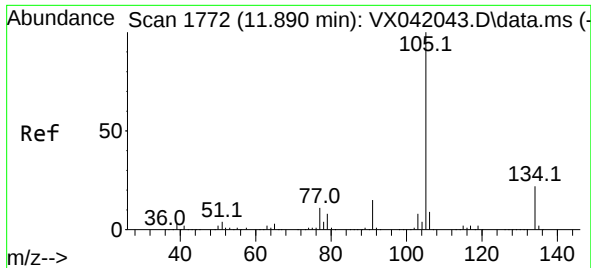


#84  
1,2,4-Trimethylbenzene  
Concen: 136.385 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05



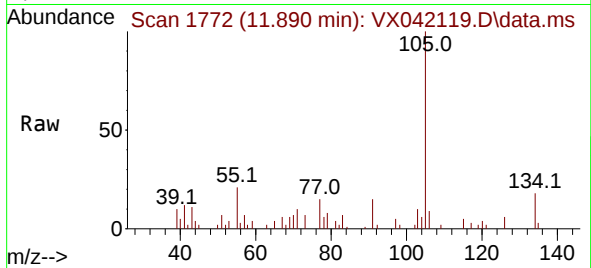
Tgt Ion:105 Resp: 771320  
Ion Ratio Lower Upper  
105 100  
120 47.9 21.2 63.6





#85  
 sec-Butylbenzene  
 Concen: 0.793 ug/l m  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX042119.D  
 Acq: 01 Jul 2024 17:05

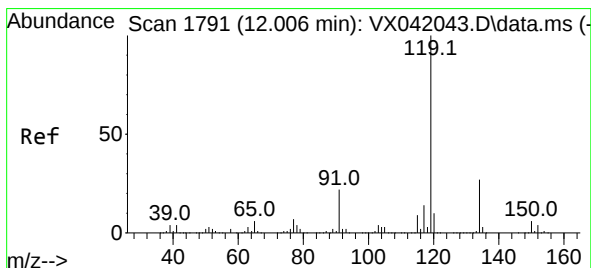
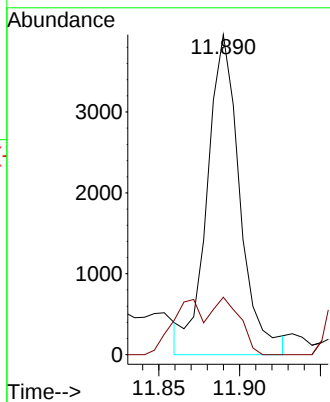
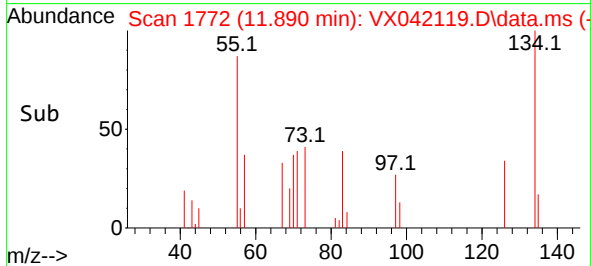
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW6-20240626-A



Tgt Ion:105 Resp: 554  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.8 29.4

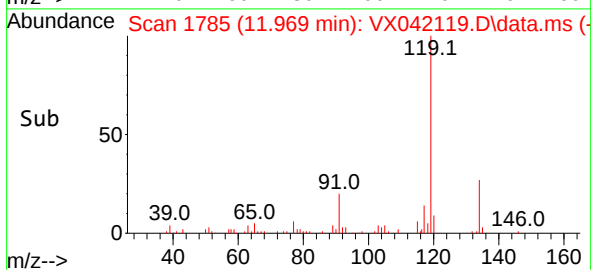
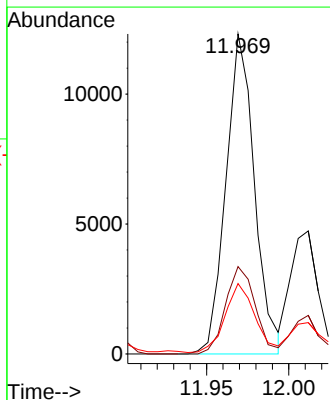
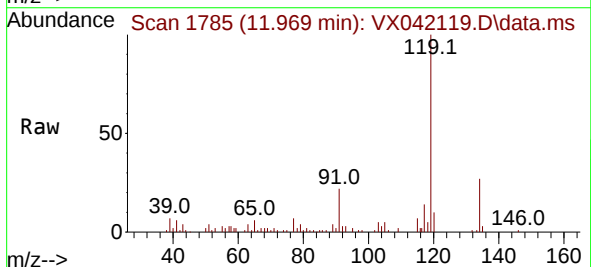
Manual Integrations  
 APPROVED

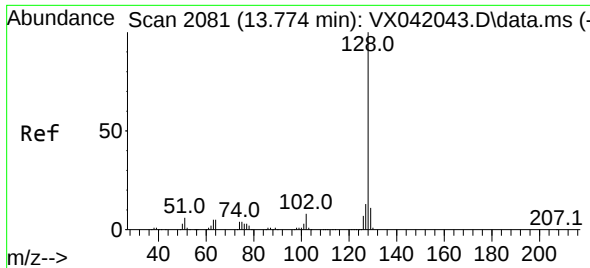
Reviewed By :John Carlone 07/02/2024  
 Supervised By :Mahesh Dadoda 07/02/2024



#86  
 p-Isopropyltoluene  
 Concen: 2.437 ug/l  
 RT: 11.969 min Scan# 1785  
 Delta R.T. -0.037 min  
 Lab File: VX042119.D  
 Acq: 01 Jul 2024 17:05

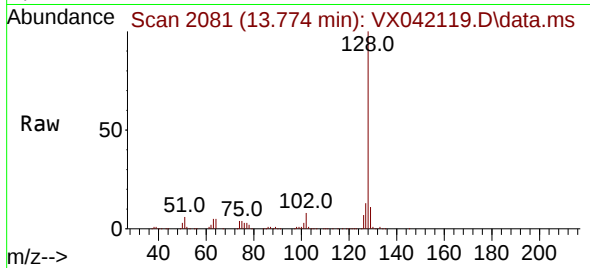
Tgt Ion:119 Resp: 14895  
 Ion Ratio Lower Upper  
 119 100  
 134 28.4 12.8 38.3  
 91 22.5 13.1 39.3





#95  
Naphthalene  
Concen: 25.109 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX042119.D  
Acq: 01 Jul 2024 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW6-20240626-A



Tgt Ion:128 Resp: 197354  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.3 15.5  
129 10.9 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/02/2024  
Supervised By :Mahesh Dadoda 07/02/2024

