

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100721\  
 Data File : VX024660.D  
 Acq On : 07 Oct 2021 20:54  
 Operator : JC/MD  
 Sample : M4001-03ME  
 Misc : 5.86g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EW918ME

Manual Integrations  
 APPROVED

MMDadoda  
 10/11/2021 12:40:30 PM

Quant Time: Oct 07 23:12:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM100721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 07 23:05:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.763          | 114  | 266311     | 50.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.061         | 117  | 239904     | 50.00   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.030         | 152  | 124900     | 50.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 62479      | 37.89   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 75.78%  |        |          |
| 7) Chloroethane-d5            | 1.648          | 69   | 22257      | 20.51   | ug/L   | -0.01    |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 41.02%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.270          | 63   | 88265      | 27.26   | ug/L   | -0.04    |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 54.52%# |        |          |
| 21) 2-Butanone-d5             | 4.507          | 46   | 98407      | 72.59   | ug/L   | 0.05     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 72.59%  |        |          |
| 24) Chloroform-d              | 5.068          | 84   | 141848     | 42.48   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.96%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.964          | 65   | 105897     | 44.84   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.68%  |        |          |
| 32) Benzene-d6                | 5.970          | 84   | 294766     | 43.62   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.24%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.312          | 67   | 91271      | 43.18   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 86.36%  |        |          |
| 41) Toluene-d8                | 8.653          | 98   | 268031     | 40.71   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 81.42%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.952          | 79   | 40670      | 38.83   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 77.66%  |        |          |
| 47) 2-Hexanone-d5             | 9.397          | 63   | 94042      | 94.77   | ug/L   | 0.01     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 94.77%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.201         | 84   | 131657     | 45.23   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 90.46%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323         | 152  | 111094     | 45.46   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.92%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 15) Methyl Acetate            | 2.727          | 43   | 2136       | 1.00    | ug/L # | 78       |
| 16) Methylene chloride        | 2.776          | 84   | 3466       | 1.88    | ug/L   | 90       |
| 17) trans-1,2-Dichloroethene  | 3.075          | 96   | 1221       | 0.70    | ug/L   | 80       |
| 20) cis-1,2-Dichloroethene    | 4.501          | 96   | 1842m      | 0.94    | ug/L   |          |
| 27) 1,2-Dichloroethane        | 6.086          | 62   | 1938       | 0.68    | ug/L # | 73       |
| 34) Trichloroethene           | 7.129          | 95   | 8018       | 3.93    | ug/L   | 91       |
| 42) Toluene                   | 8.720          | 91   | 10316      | 1.25    | ug/L   | 83       |
| 52) Ethylbenzene              | 10.195         | 91   | 16308      | 1.91    | ug/L   | 92       |
| 53) m,p-Xylene                | 10.305         | 106  | 16052      | 4.82    | ug/L   | 86       |
| 54) o-Xylene                  | 10.646         | 106  | 5351       | 1.61    | ug/L   | 89       |
| 60) Isopropylbenzene          | 10.963         | 105  | 6032m      | 0.70    | ug/L   |          |
| 62) 1,3,5-Trimethylbenzene    | 11.457         | 105  | 4840       | 0.64    | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 11.756         | 105  | 6448       | 0.87    | ug/L   | 90       |
| 65) 1,4-Dichlorobenzene       | 12.049         | 146  | 2904       | 0.72    | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.335         | 146  | 2596       | 0.66    | ug/L # | 83       |
| -----                         |                |      |            |         |        |          |

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

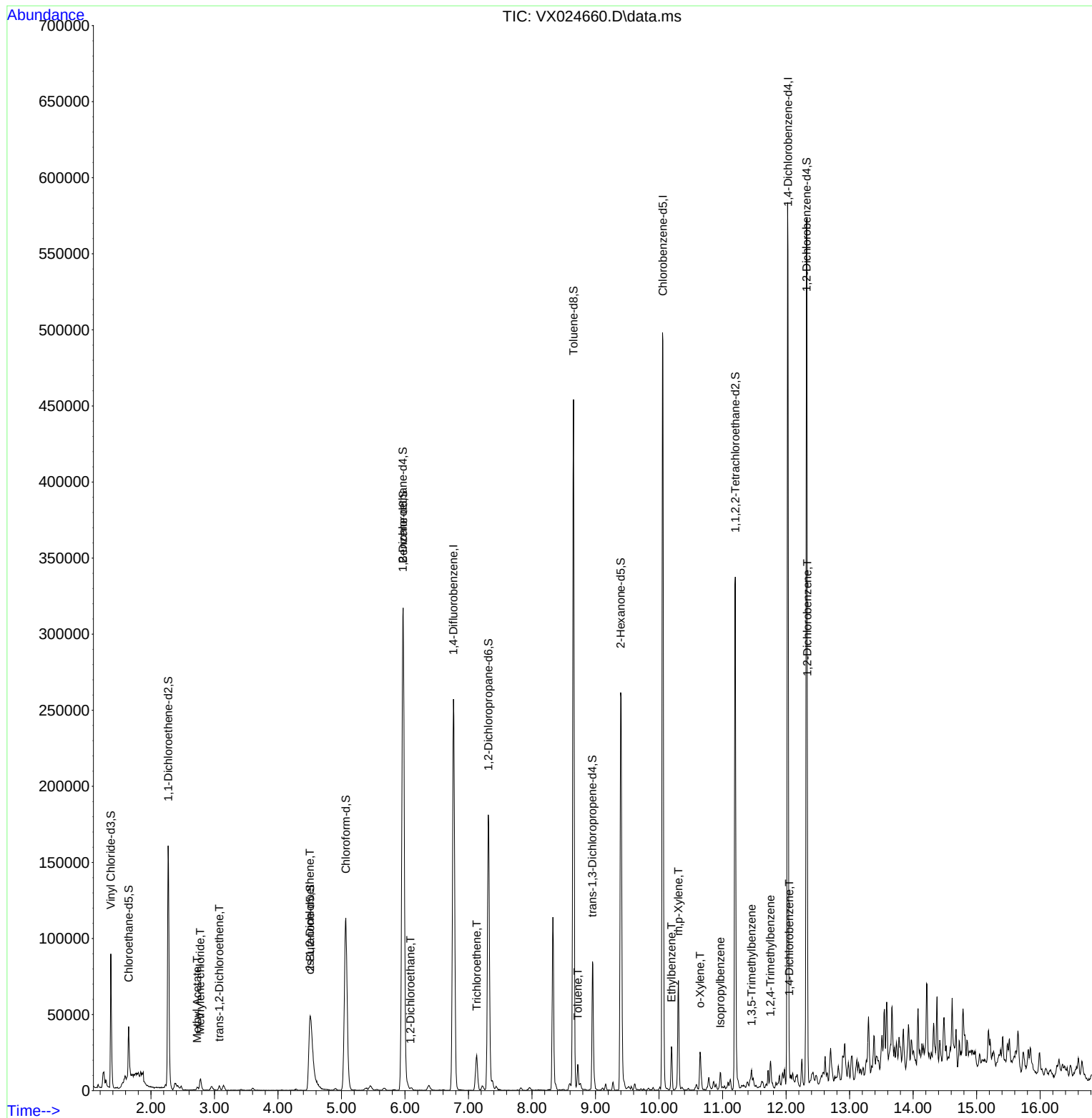
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Data File : VX024660.D  
Acq On : 07 Oct 2021 20:54  
Operator : JC/MD  
Sample : M4001-03ME  
Misc : 5.86g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 29 Sample Multiplier: 1

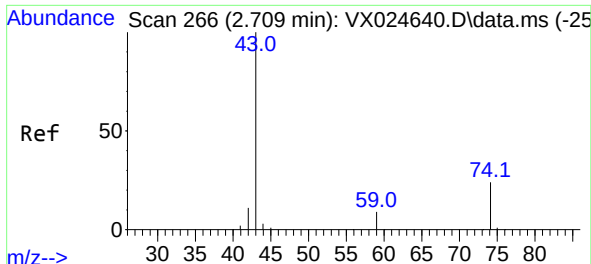
Instrument :  
MSVOA\_X  
ClientSampleId :  
EW918ME

Manual Integrations  
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Quant Time: Oct 07 23:12:13 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM100721WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 07 23:05:28 2021  
Response via : Initial Calibration





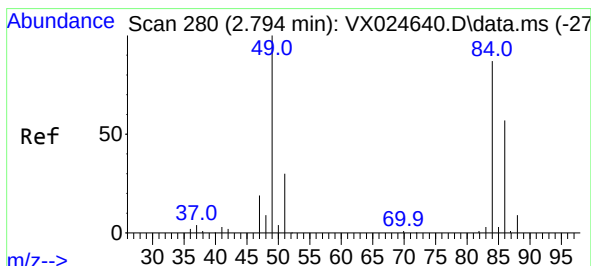
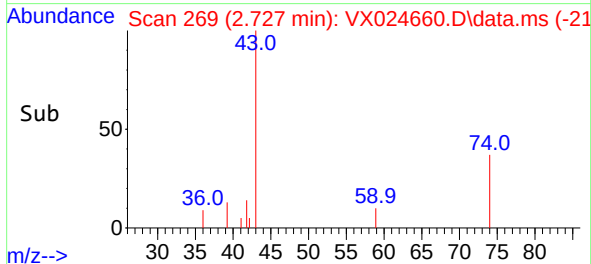
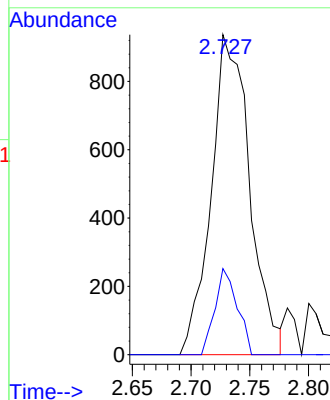
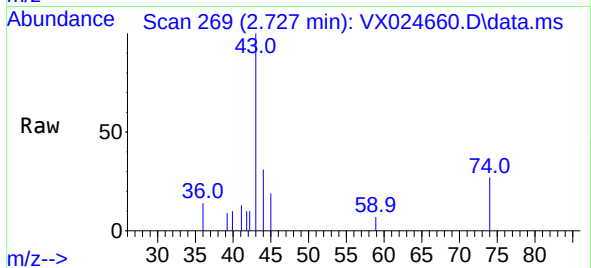
#15  
Methyl Acetate  
Concen: 1.00 ug/L  
RT: 2.727 min Scan# 269  
Delta R.T. 0.018 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion: 43 Resp: 2136  
Ion Ratio Lower Upper  
43 100  
74 15.6 21.7 32.5#

Instrument :  
MSVOA\_X  
ClientSampled :  
EW918ME

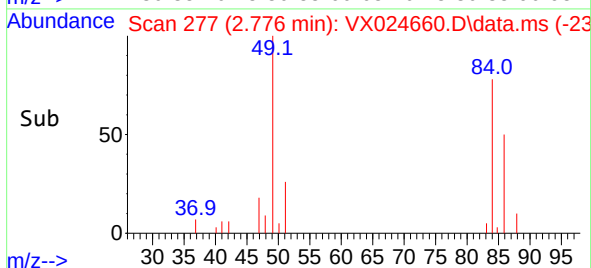
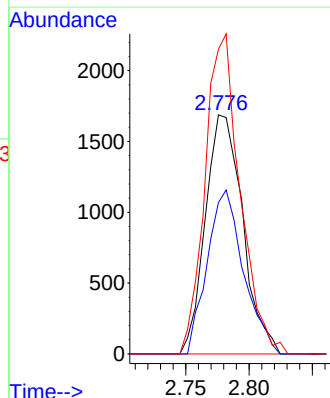
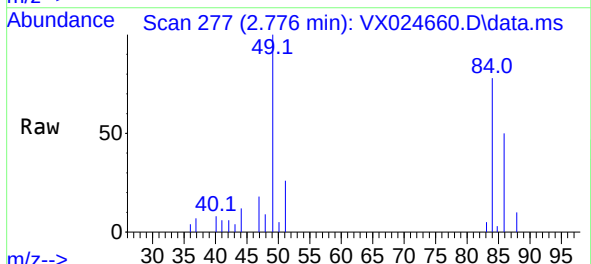
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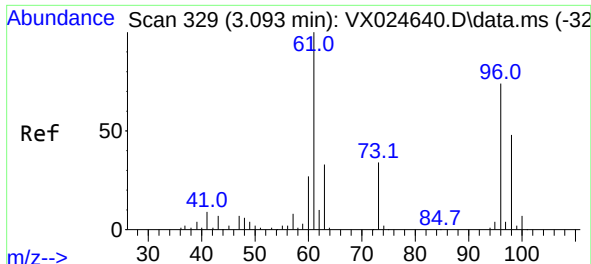
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#16  
Methylene chloride  
Concen: 1.88 ug/L  
RT: 2.776 min Scan# 277  
Delta R.T. -0.018 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion: 84 Resp: 3466  
Ion Ratio Lower Upper  
84 100  
86 63.3 44.2 82.0  
49 127.5 77.8 144.6





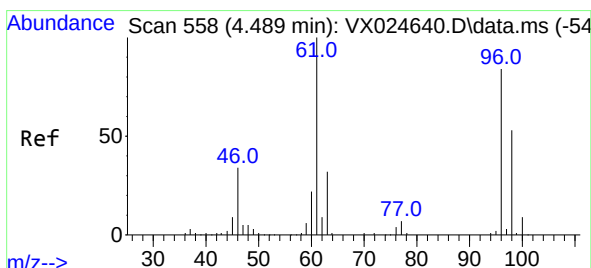
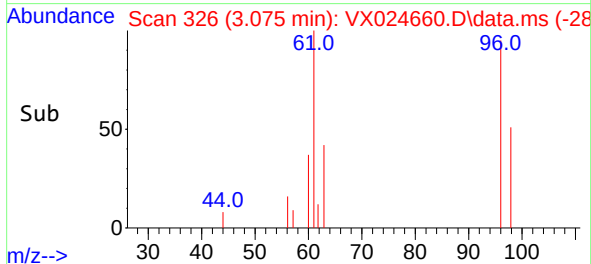
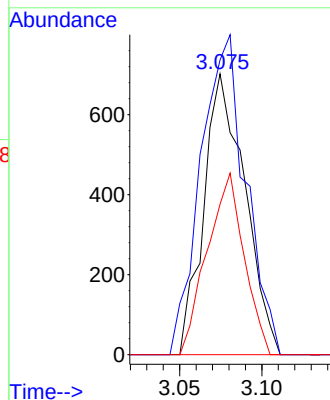
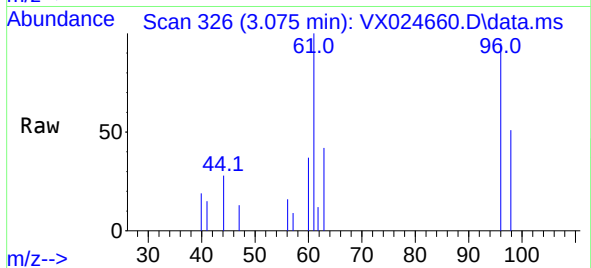
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trans-1,2-Dichloroethene  
Concen: 0.70 ug/L  
RT: 3.075 min Scan# 326  
Delta R.T. -0.018 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion: 96 Resp: 1221  
Ion Ratio Lower Upper  
96 100  
61 105.0 92.3 171.3  
98 53.6 46.3 85.9

Instrument :  
MSVOA\_X  
ClientSampled :  
EW918ME

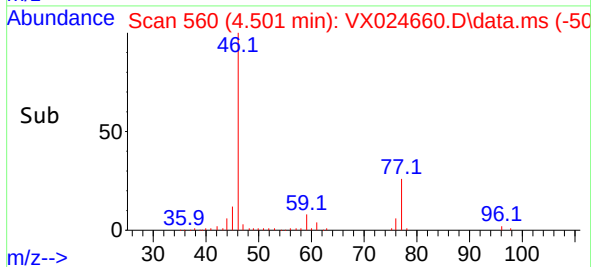
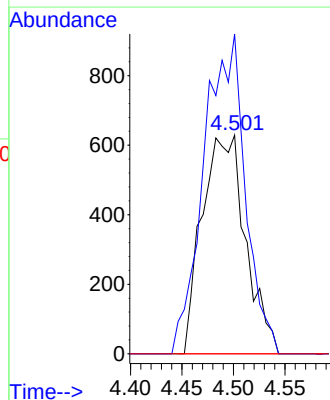
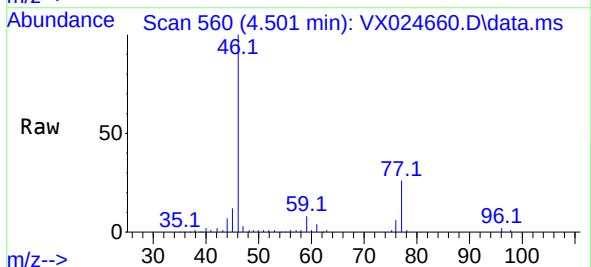
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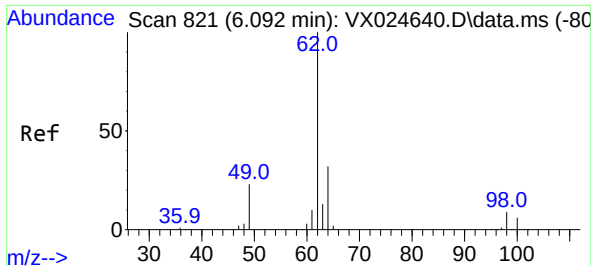
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#20  
cis-1,2-Dichloroethene  
Concen: 0.94 ug/L m  
RT: 4.501 min Scan# 560  
Delta R.T. 0.012 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion: 96 Resp: 1842  
Ion Ratio Lower Upper  
96 100  
61 146.3 87.8 163.0  
68 0.0 0.0 0.0





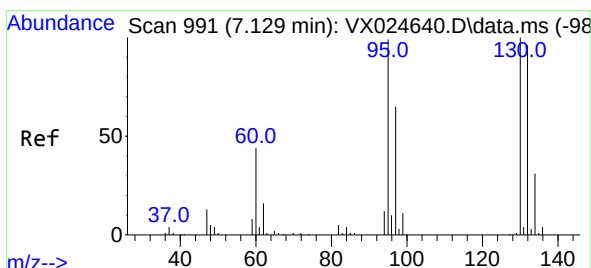
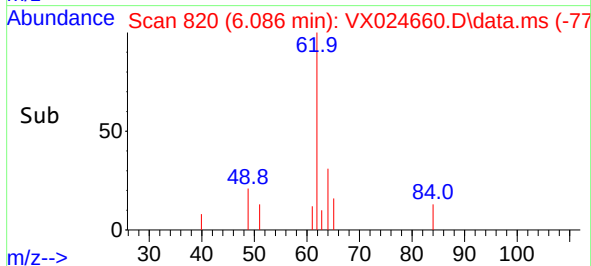
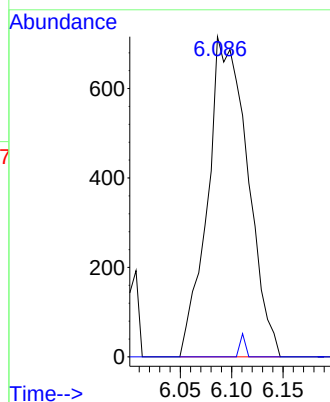
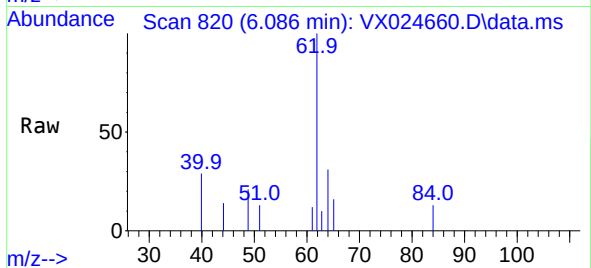
#27  
1,2-Dichloroethane  
Concen: 0.68 ug/L  
RT: 6.086 min Scan# 820  
Delta R.T. -0.006 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion: 62 Resp: 1938  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.9 11.9#

Instrument :  
MSVOA\_X  
ClientSampled :  
EW918ME

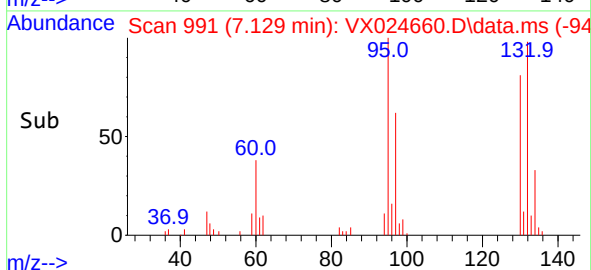
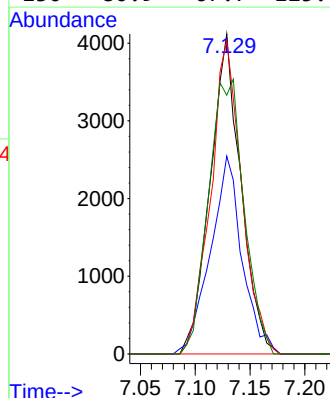
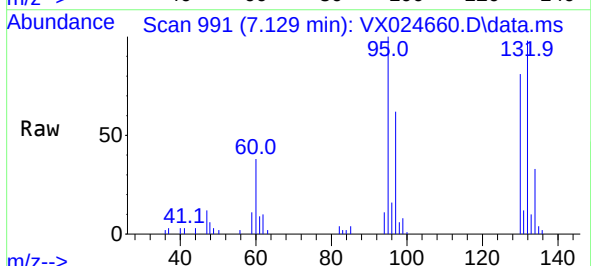
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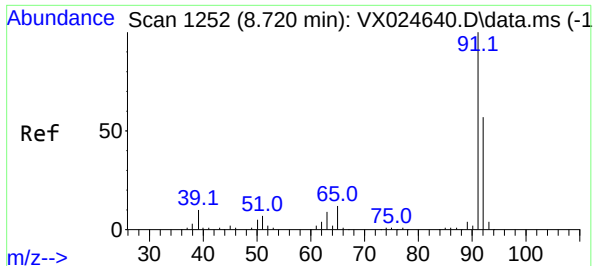
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#34  
Trichloroethene  
Concen: 3.93 ug/L  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion: 95 Resp: 8018  
Ion Ratio Lower Upper  
95 100  
97 61.8 44.5 82.7  
132 98.0 65.2 121.0  
130 80.9 67.7 125.7





#42

Toluene

Concen: 1.25 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX024660.D

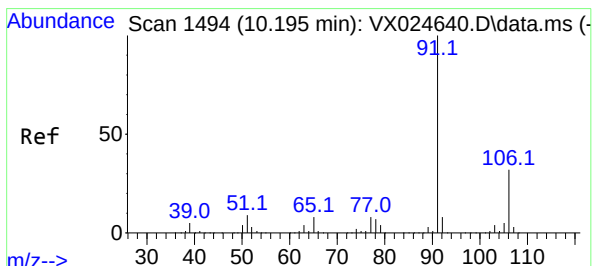
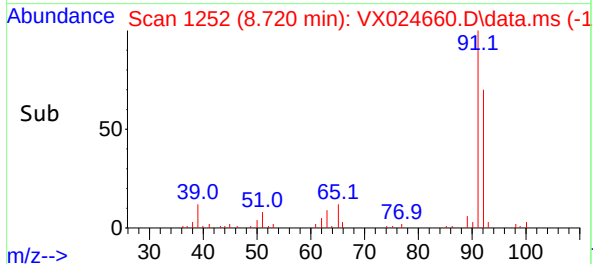
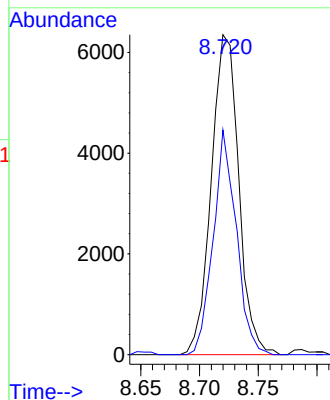
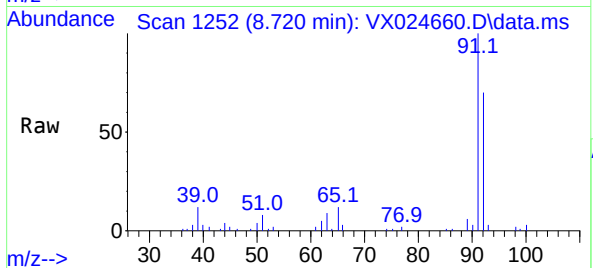
Acq: 07 Oct 2021 20:54

Tgt Ion: 91 Resp: 10316

Ion Ratio Lower Upper

91 100

92 70.2 40.5 75.1



#52

Ethylbenzene

Concen: 1.91 ug/L

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX024660.D

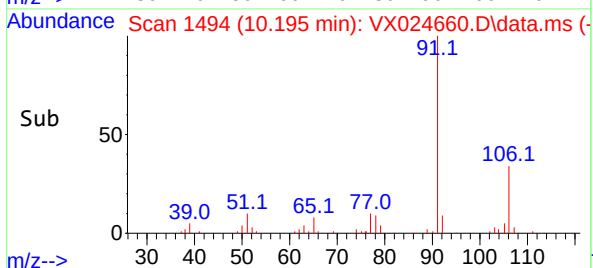
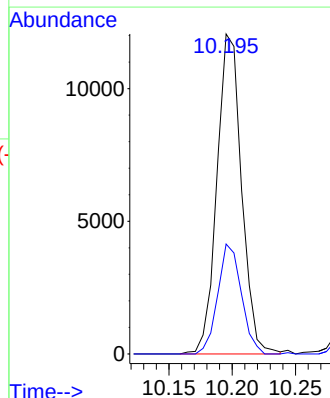
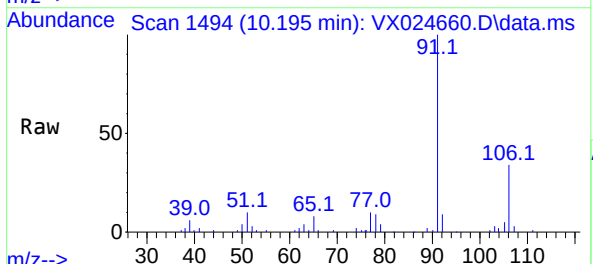
Acq: 07 Oct 2021 20:54

Tgt Ion: 91 Resp: 16308

Ion Ratio Lower Upper

91 100

106 34.3 21.0 39.0



Instrument :

MSVOA\_X

ClientSampleId :

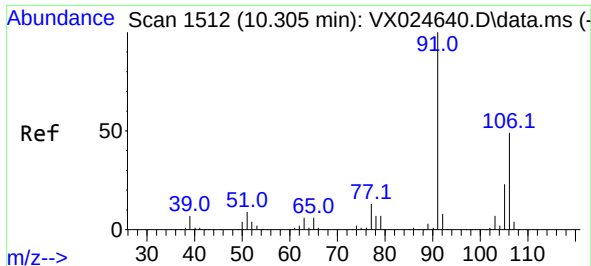
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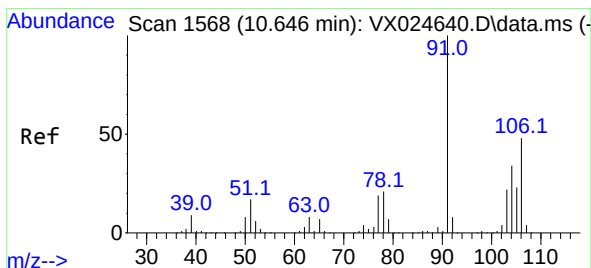
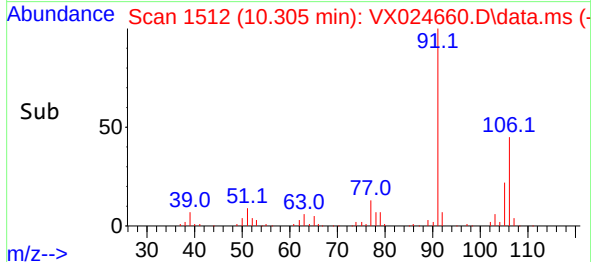
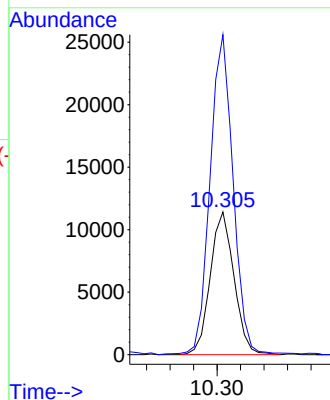
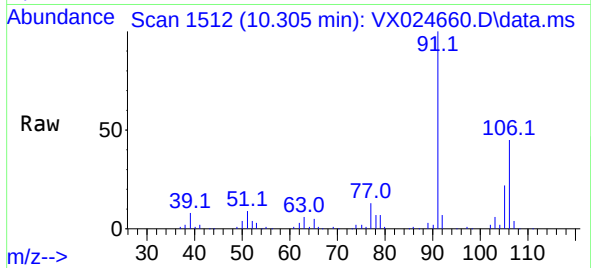
#53  
m,p-Xylene  
Concen: 4.82 ug/L  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion:106 Resp: 16052  
Ion Ratio Lower Upper  
106 100  
91 224.3 142.5 264.6

Instrument :  
MSVOA\_X  
ClientSampled :  
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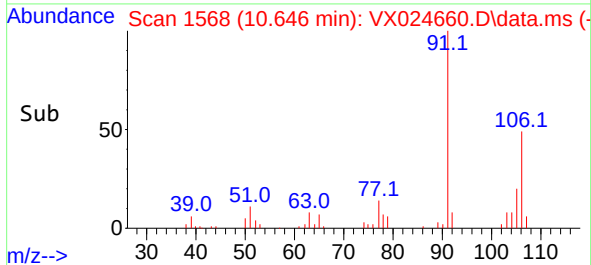
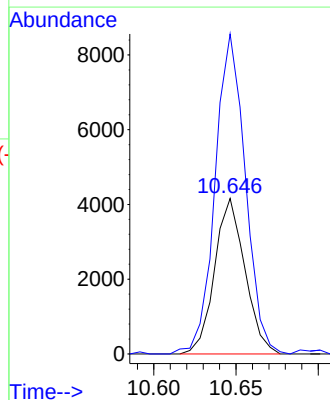
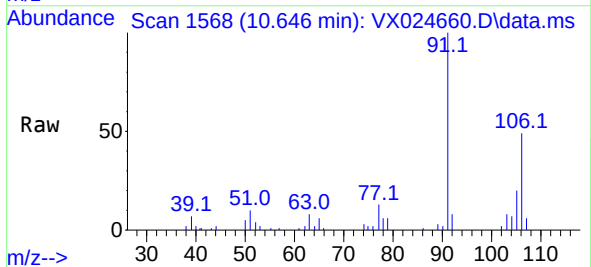
Manual Integrations  
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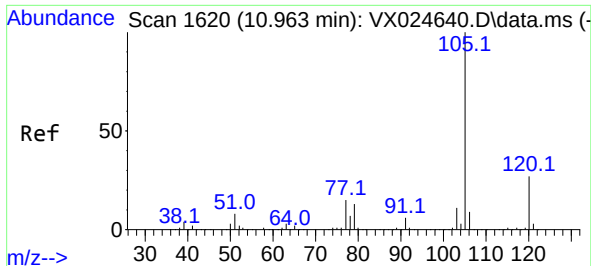
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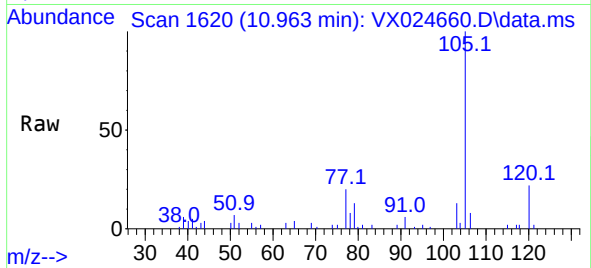
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o-Xylene  
Concen: 1.61 ug/L  
RT: 10.646 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion:106 Resp: 5351  
Ion Ratio Lower Upper  
106 100  
91 205.7 156.2 290.0

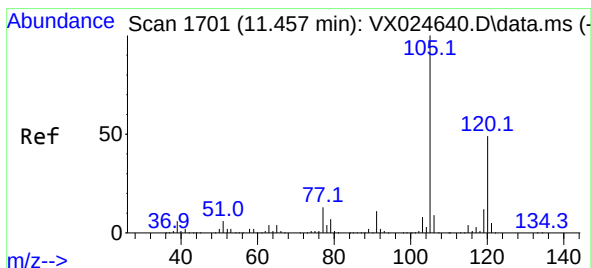
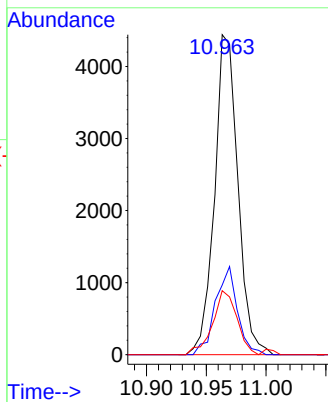
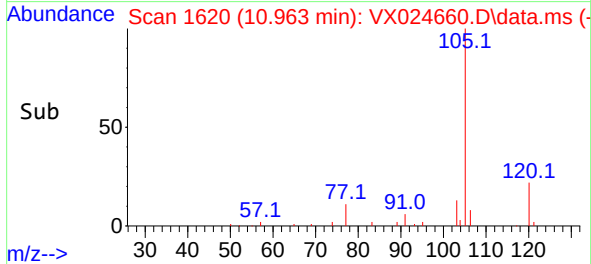




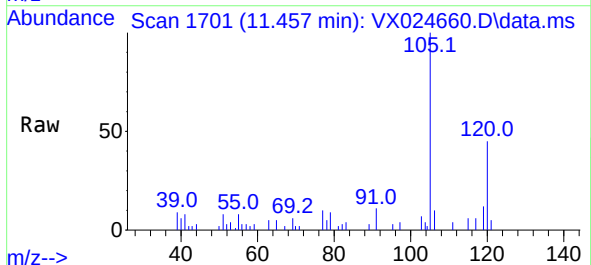
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Isopropylbenzene  
Concen: 0.70 ug/L m  
RT: 10.963 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54



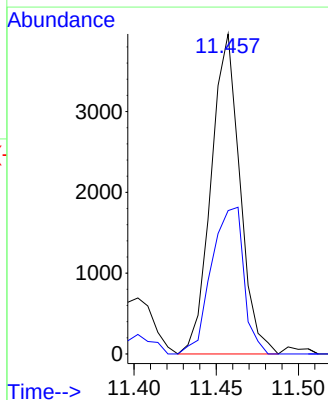
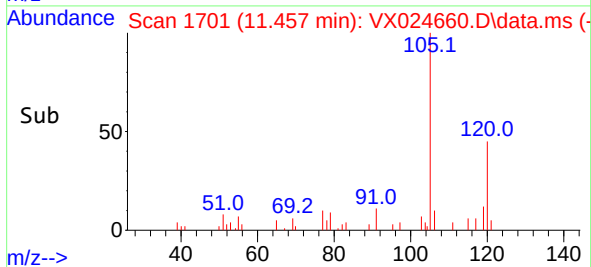
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Ion Ratio Lower Upper  
105 100  
120 6.3 21.2 31.8#  
77 2.9 12.6 18.8#



#62  
1,3,5-Trimethylbenzene  
Concen: 0.64 ug/L  
RT: 11.457 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54



Tgt Ion:105 Resp: 4840  
Ion Ratio Lower Upper  
105 100  
120 51.4 38.0 57.0

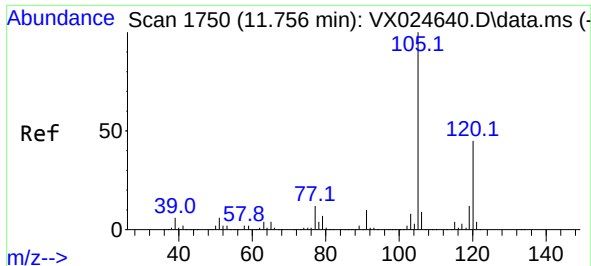


Instrument :  
MSVOA\_X  
ClientSampled :  
EW918ME

Manual Integrations  
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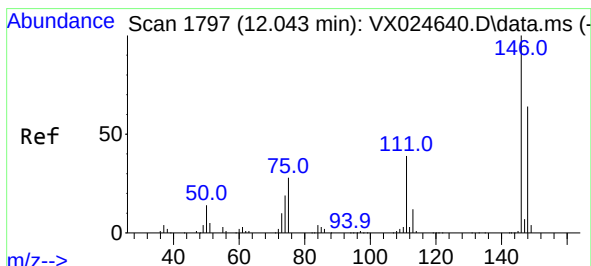
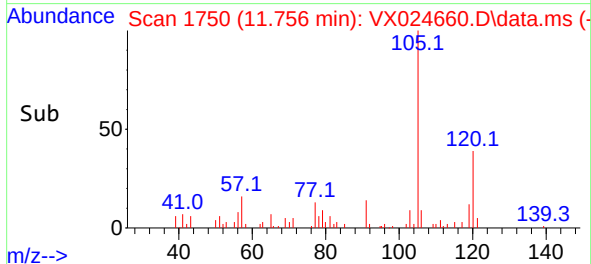
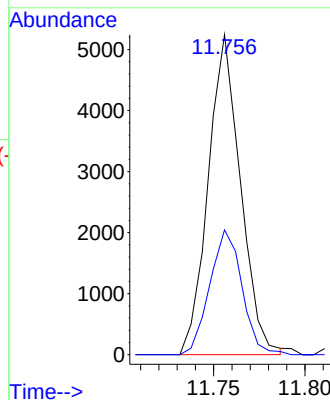
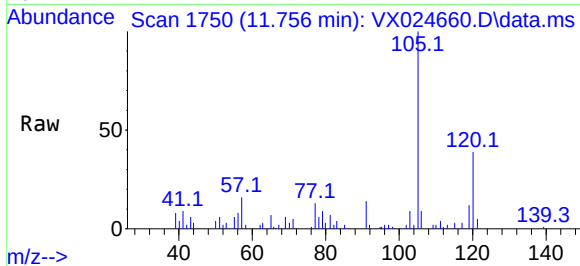
#63  
1,2,4-Trimethylbenzene  
Concen: 0.87 ug/L  
RT: 11.756 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion:105 Resp: 6448  
Ion Ratio Lower Upper  
105 100  
120 38.9 36.4 54.6

Instrument :  
MSVOA\_X  
ClientSampled :  
EW918ME

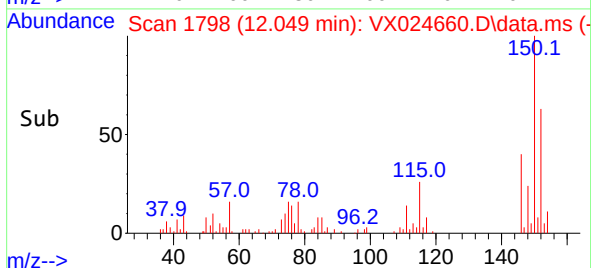
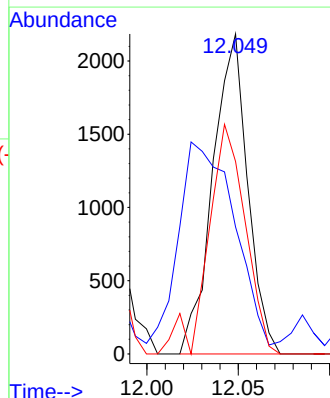
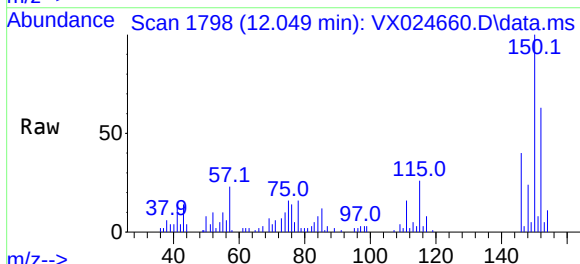
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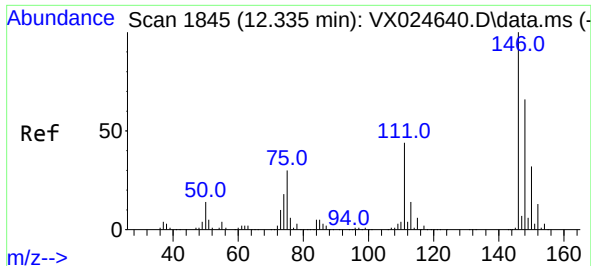
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#65  
1,4-Dichlorobenzene  
Concen: 0.72 ug/L  
RT: 12.049 min Scan# 1798  
Delta R.T. 0.006 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion:146 Resp: 2904  
Ion Ratio Lower Upper  
146 100  
111 39.7 28.7 53.3  
148 60.1 45.8 85.2





#67  
1,2-Dichlorobenzene  
Concen: 0.66 ug/L  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX024660.D  
Acq: 07 Oct 2021 20:54

Tgt Ion:146 Resp: 2596  
Ion Ratio Lower Upper  
146 100  
111 66.6 33.8 50.8#  
148 66.9 51.4 77.2

Instrument :  
MSVOA\_X  
ClientSampled :  
EW918ME

Manual Integrations  
APPROVED

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