

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092222\  
 Data File : VX031585.D  
 Acq On : 22 Sep 2022 21:01  
 Operator : JC/MD  
 Sample : N4642-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP091422

Quant Time: Sep 23 01:51:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 09:45:29 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 71902    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 118255   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 110585   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 54725    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 71612    | 54.299   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 108.600% |
| 35) Dibromofluoromethane    | 5.391  | 113   | 61225    | 50.092   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.180% |
| 50) Toluene-d8              | 8.647  | 98    | 238036   | 50.523   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.040% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 76358    | 47.847   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 95.700%  |

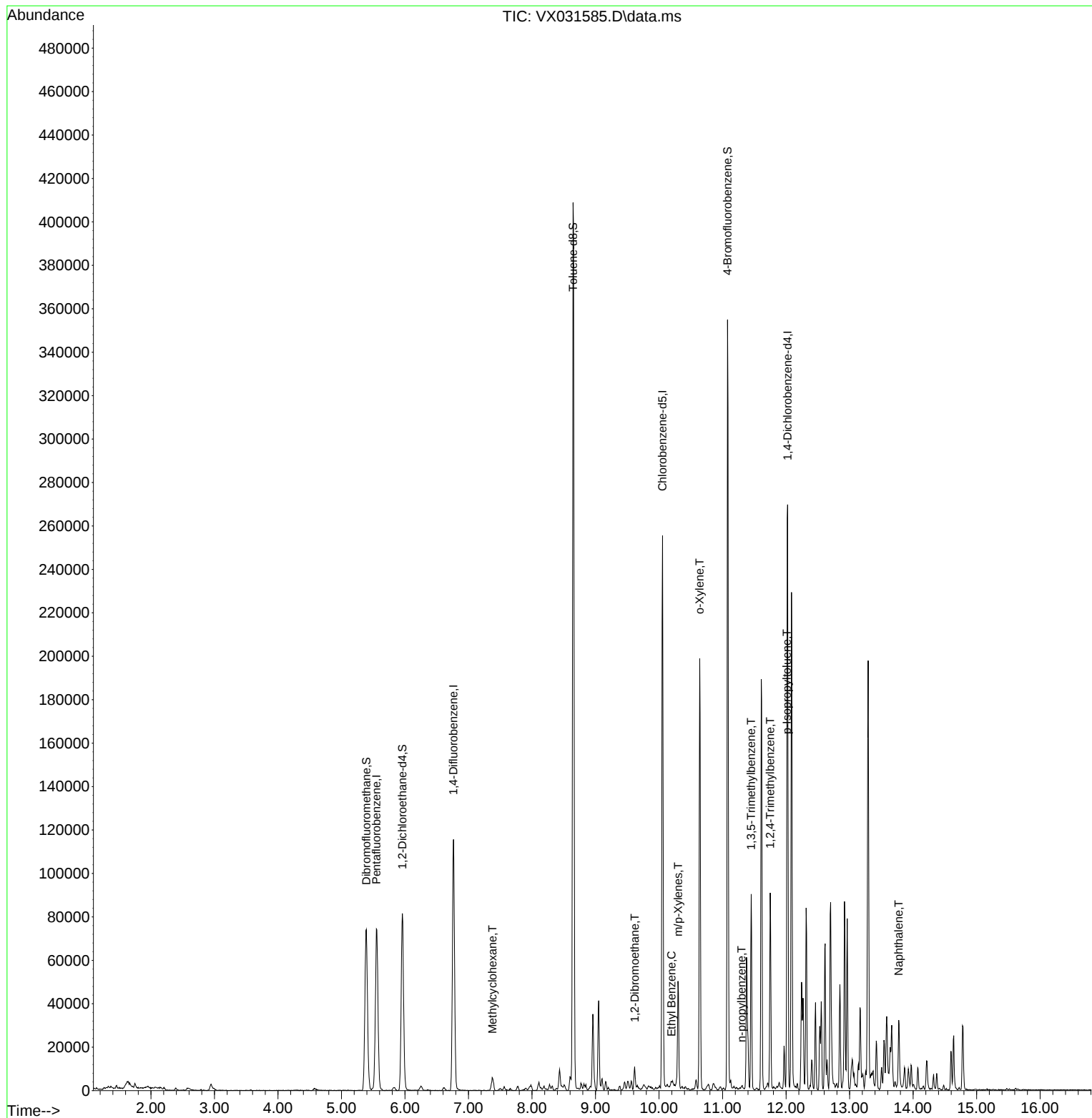
| Target Compounds           |        |     |       |        | Qvalue |      |
|----------------------------|--------|-----|-------|--------|--------|------|
| 39) Methylcyclohexane      | 7.379  | 83  | 2473  | 1.069  | ug/l   | # 85 |
| 61) 1,2-Dibromoethane      | 9.616  | 107 | 2774  | 1.709  | ug/l   | 93   |
| 67) Ethyl Benzene          | 10.195 | 91  | 1589  | 0.264  | ug/l   | 97   |
| 68) m/p-Xylenes            | 10.299 | 106 | 11069 | 4.575  | ug/l   | 95   |
| 69) o-Xylene               | 10.640 | 106 | 42411 | 18.363 | ug/l   | 96   |
| 78) n-propylbenzene        | 11.299 | 91  | 1416  | 0.301  | ug/l   | # 52 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 36693 | 10.580 | ug/l   | 100  |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 37497 | 10.978 | ug/l   | 100  |
| 86) p-Isopropyltoluene     | 12.012 | 119 | 2244  | 0.625  | ug/l   | 84   |
| 95) Naphthalene            | 13.774 | 128 | 20599 | 5.251  | ug/l   | # 97 |

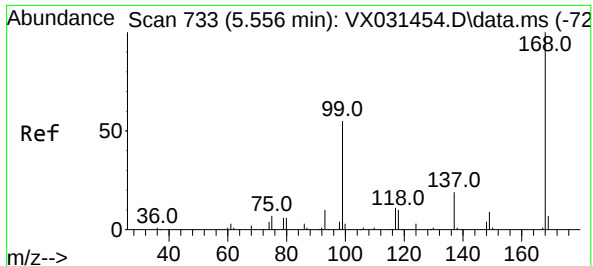
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
DUP091422

Quant Time: Sep 23 01:51:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091922W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 20 09:45:29 2022  
Response via : Initial Calibration

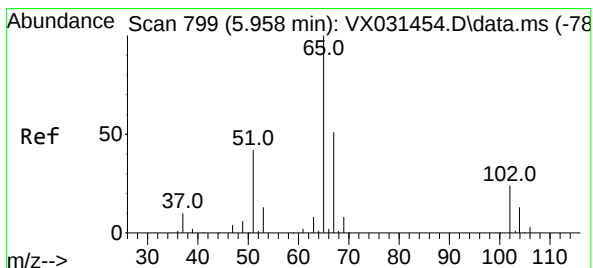
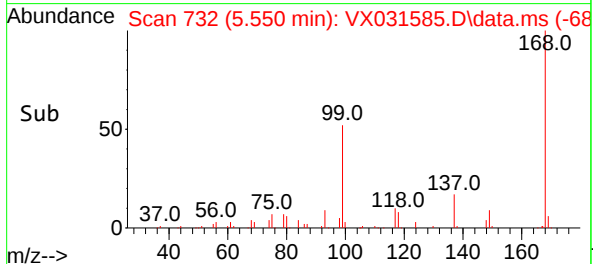
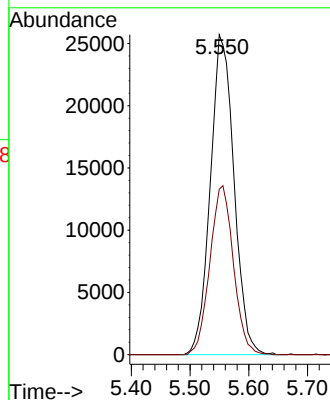
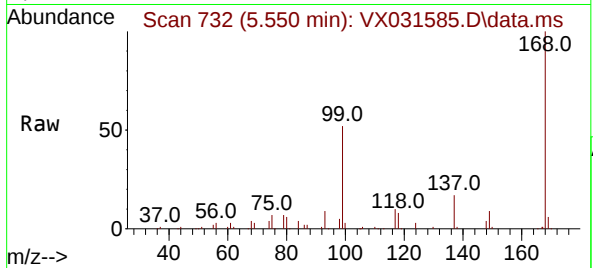




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

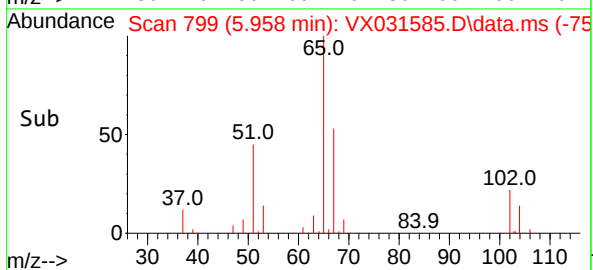
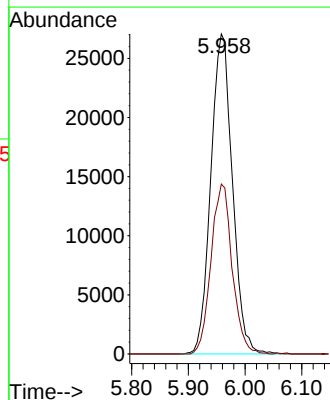
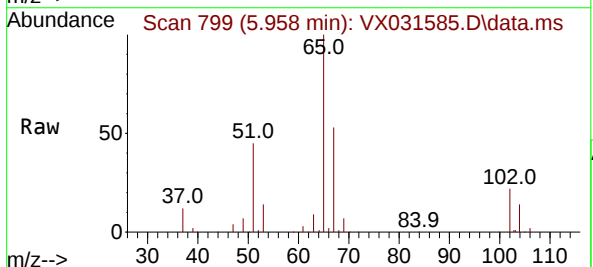
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP091422

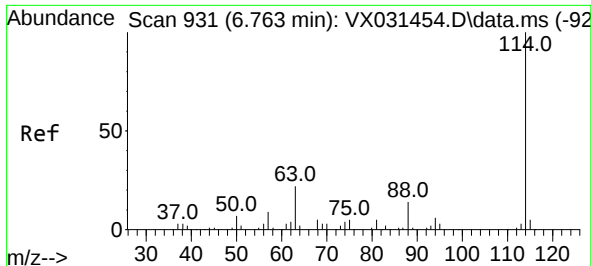
Tgt Ion:168 Resp: 71902  
Ion Ratio Lower Upper  
168 100  
99 51.7 48.8 73.2



#33  
1,2-Dichloroethane-d4  
Concen: 54.299 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

Tgt Ion: 65 Resp: 71612  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 102.4

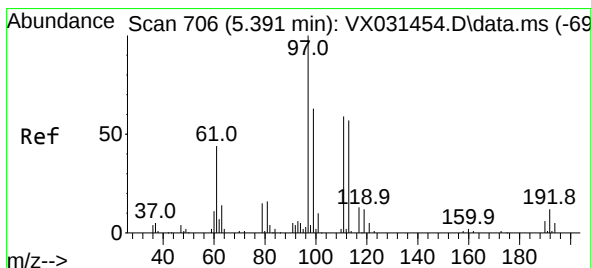
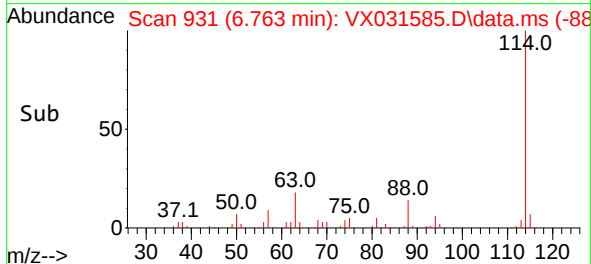
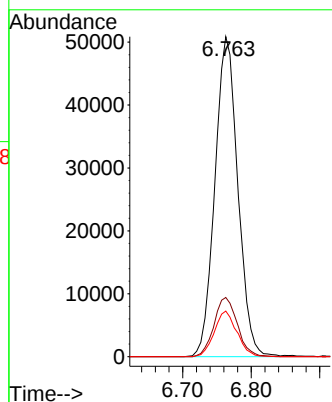
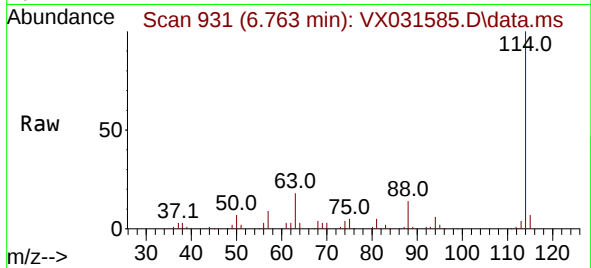




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

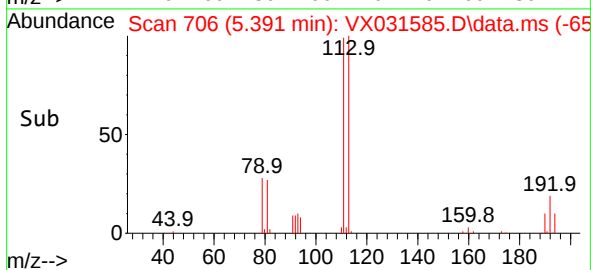
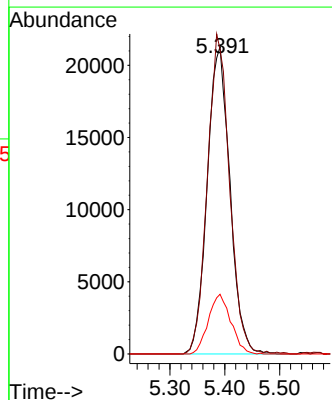
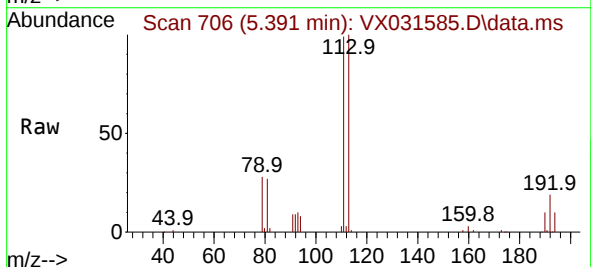
Instrument :  
MSVOA\_X  
ClientSampleId :  
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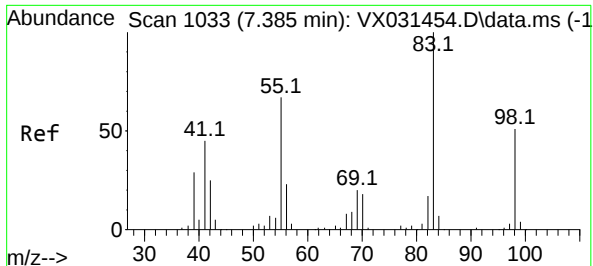
Tgt Ion:114 Resp: 118255  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 42.6  
88 14.3 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 50.092 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

Tgt Ion:113 Resp: 61225  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.4 123.6  
192 19.3 14.1 21.1





#39

Methylcyclohexane

Concen: 1.069 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX031585.D

Acq: 22 Sep 2022 21:01

Instrument :

MSVOA\_X

ClientSampleId :

DUP091422

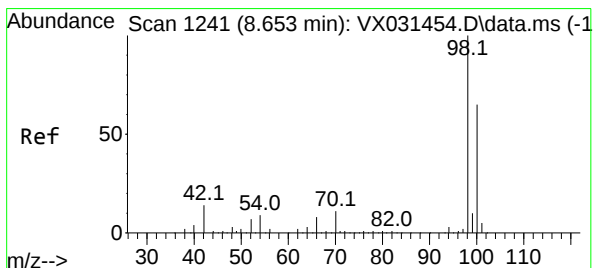
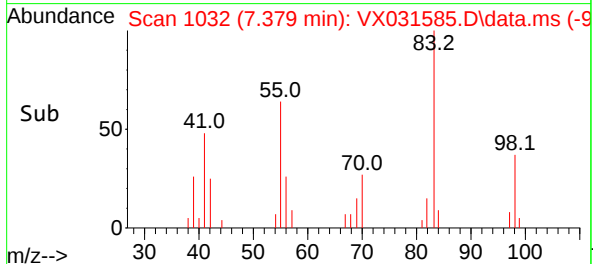
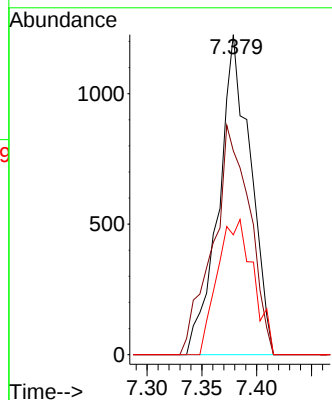
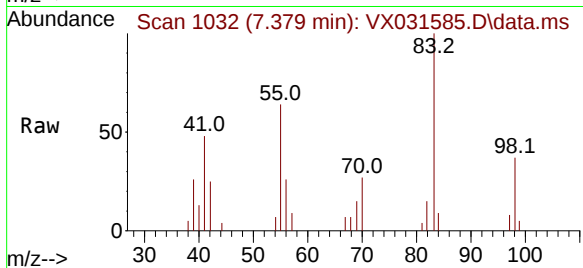
Tgt Ion: 83 Resp: 2473

Ion Ratio Lower Upper

83 100

55 63.7 61.0 91.4

98 37.4 37.7 56.5#



#50

Toluene-d8

Concen: 50.523 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031585.D

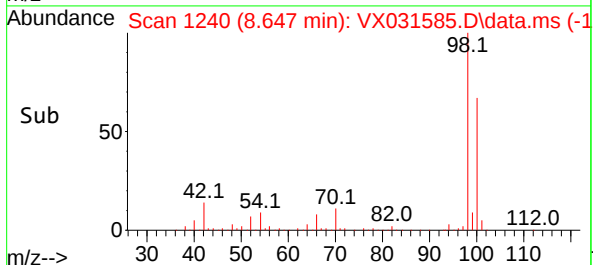
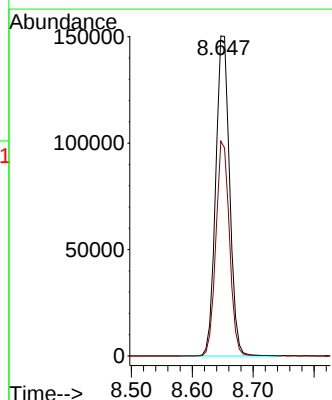
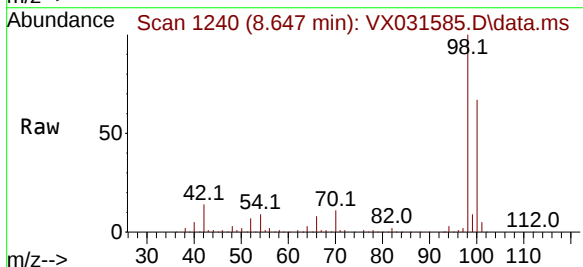
Acq: 22 Sep 2022 21:01

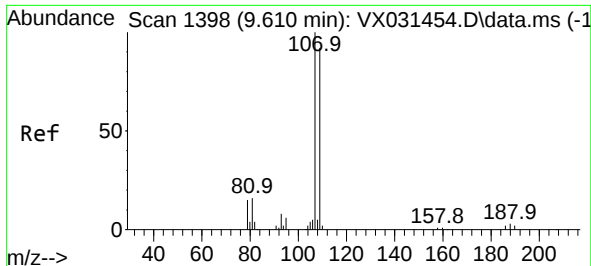
Tgt Ion: 98 Resp: 238036

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7

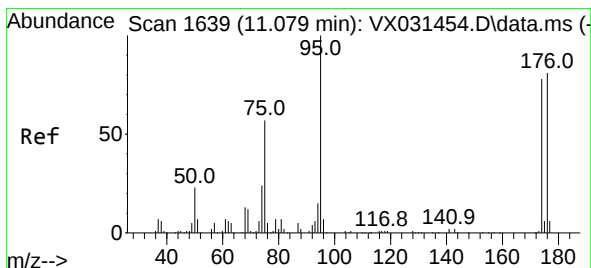
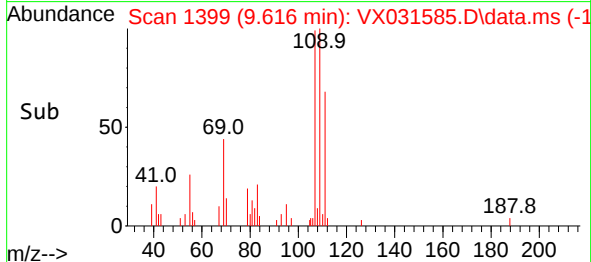
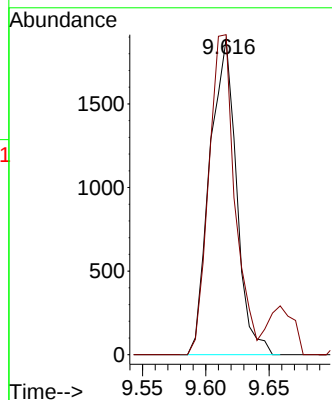
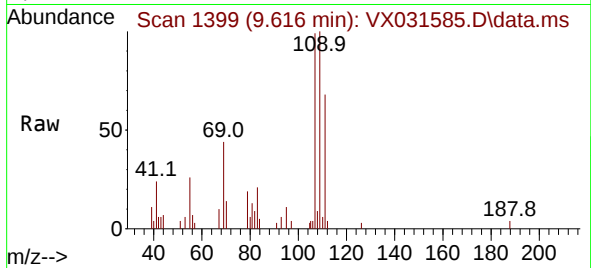




#61  
1,2-Dibromoethane  
Concen: 1.709 ug/l  
RT: 9.616 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

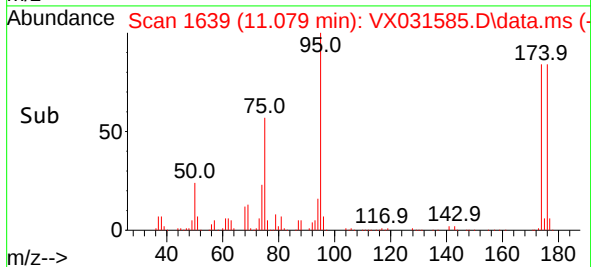
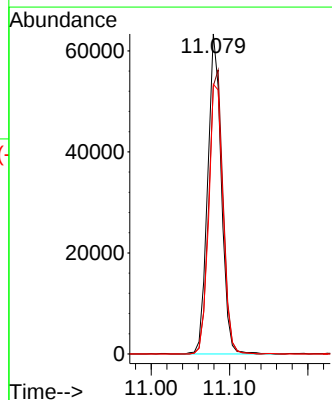
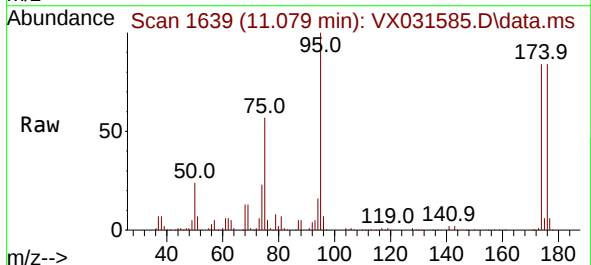
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP091422

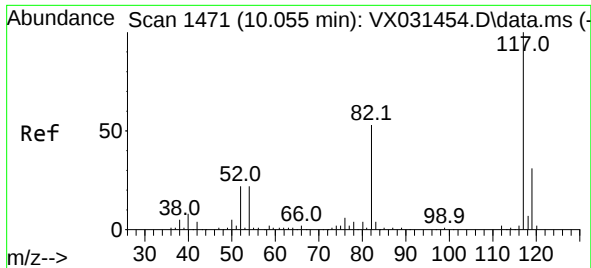
Tgt Ion:107 Resp: 2774  
Ion Ratio Lower Upper  
107 100  
109 99.6 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 47.847 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

Tgt Ion: 95 Resp: 76358  
Ion Ratio Lower Upper  
95 100  
174 92.7 0.0 153.2  
176 88.5 0.0 144.0

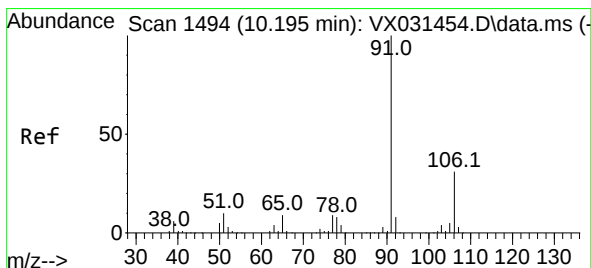
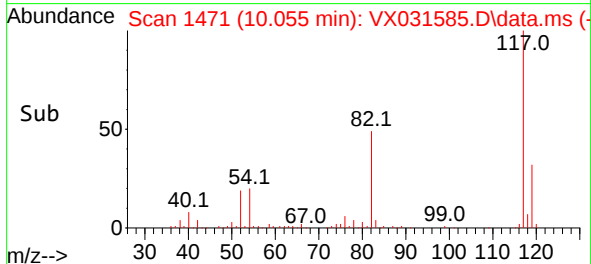
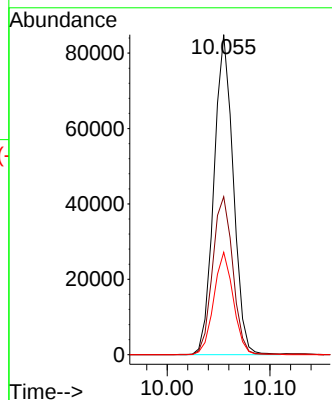
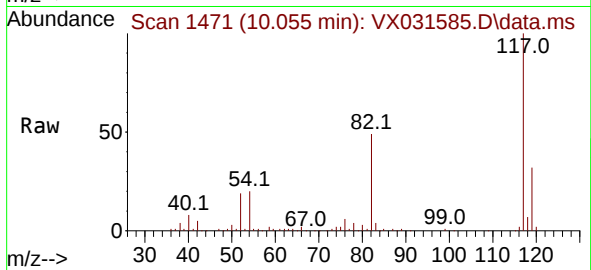




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

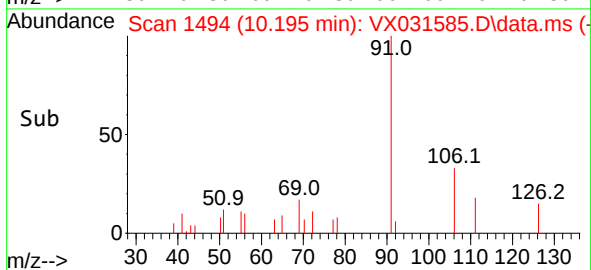
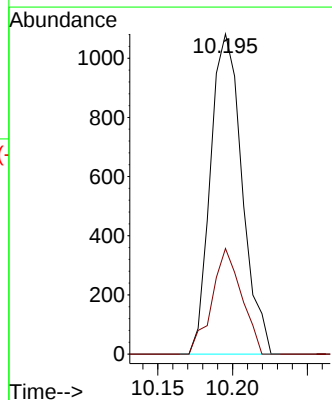
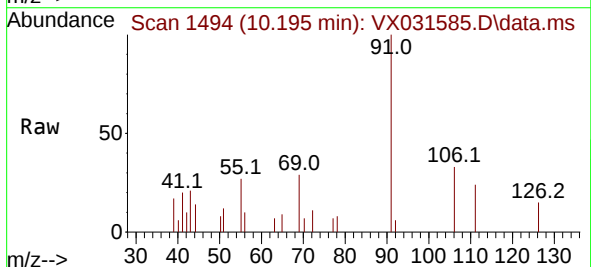
Instrument :  
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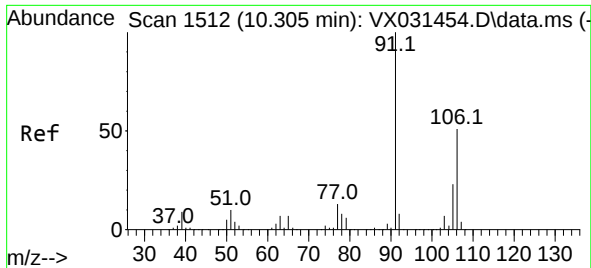
Tgt Ion:117 Resp: 110585  
Ion Ratio Lower Upper  
117 100  
82 49.2 46.8 70.2  
119 32.0 26.4 39.6



#67  
Ethyl Benzene  
Concen: 0.264 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

Tgt Ion: 91 Resp: 1589  
Ion Ratio Lower Upper  
91 100  
106 33.0 25.2 37.8

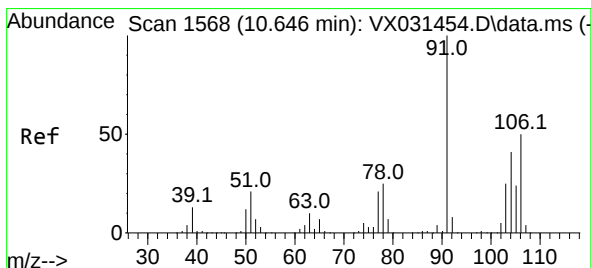
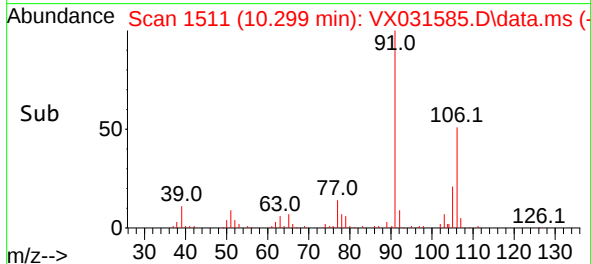
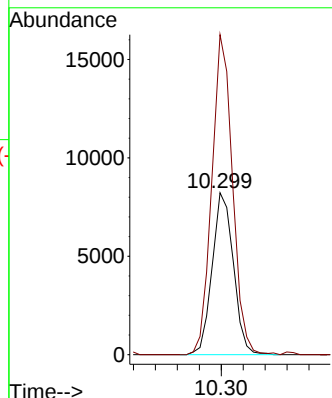
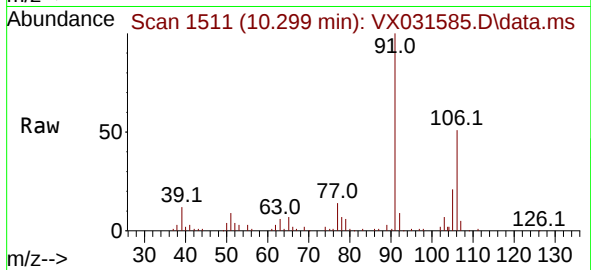




#68  
m/p-Xylenes  
Concen: 4.575 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

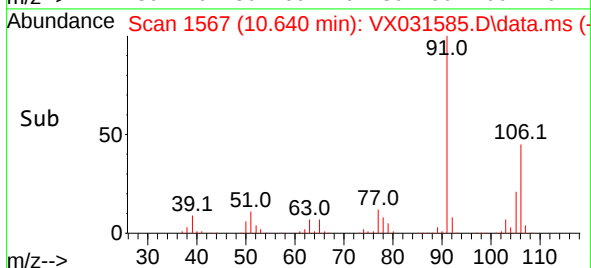
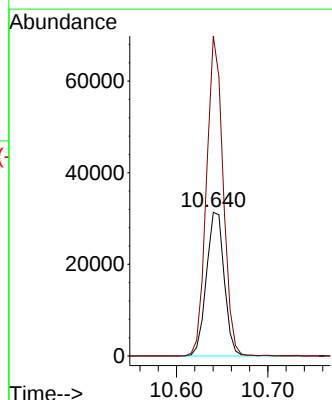
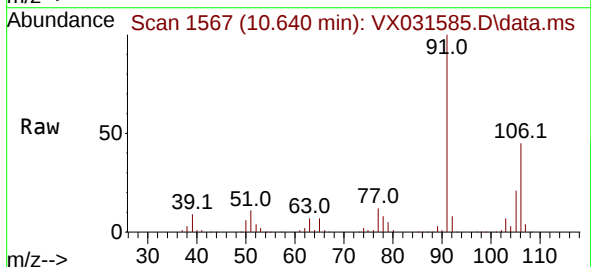
Instrument :  
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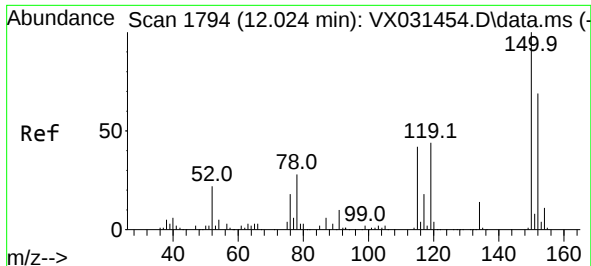
Tgt Ion:106 Resp: 11069  
Ion Ratio Lower Upper  
106 100  
91 192.9 161.0 241.4



#69  
o-Xylene  
Concen: 18.363 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

Tgt Ion:106 Resp: 42411  
Ion Ratio Lower Upper  
106 100  
91 207.4 107.2 321.6

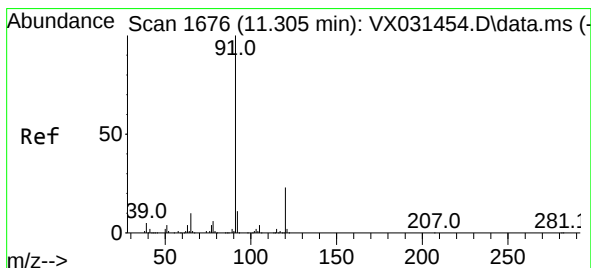
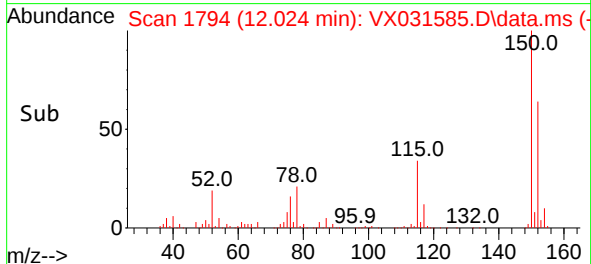
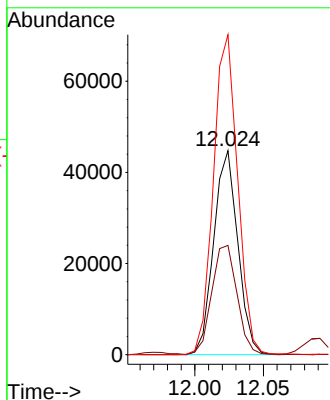
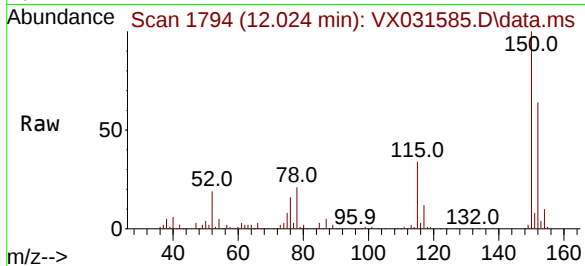




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

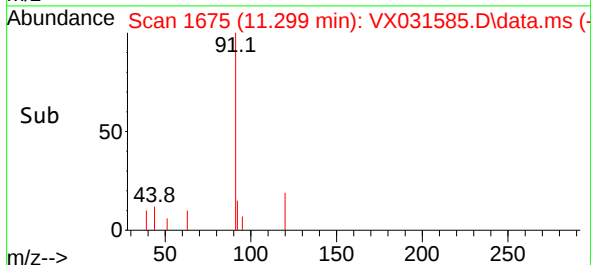
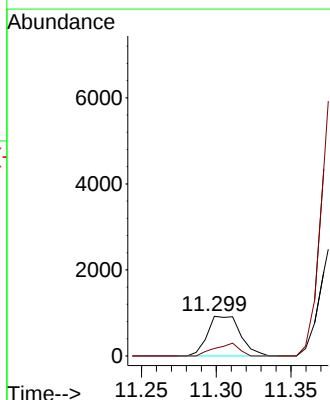
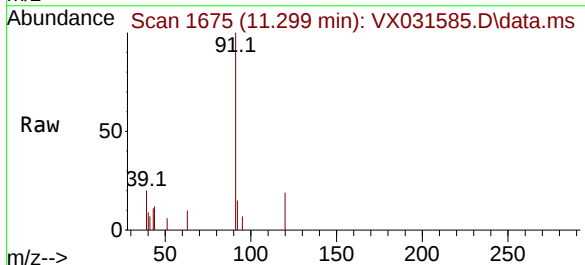
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP091422

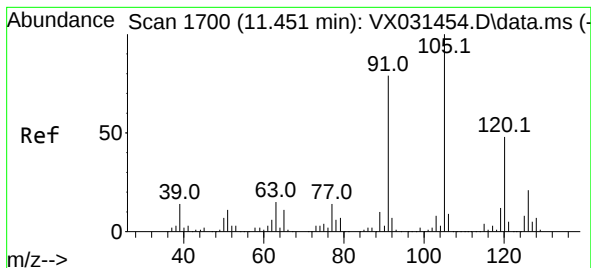
Tgt Ion:152 Resp: 54725  
Ion Ratio Lower Upper  
152 100  
115 56.3 43.4 130.1  
150 158.2 0.0 346.8



#78  
n-propylbenzene  
Concen: 0.301 ug/l  
RT: 11.299 min Scan# 1675  
Delta R.T. -0.006 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

Tgt Ion: 91 Resp: 1416  
Ion Ratio Lower Upper  
91 100  
120 0.0 11.8 35.4#





#80

1,3,5-Trimethylbenzene

Concen: 10.580 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031585.D

Acq: 22 Sep 2022 21:01

Instrument :

MSVOA\_X

ClientSampleId :

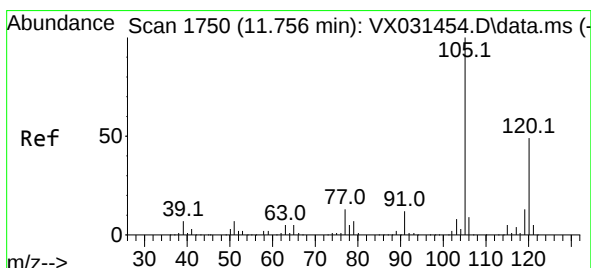
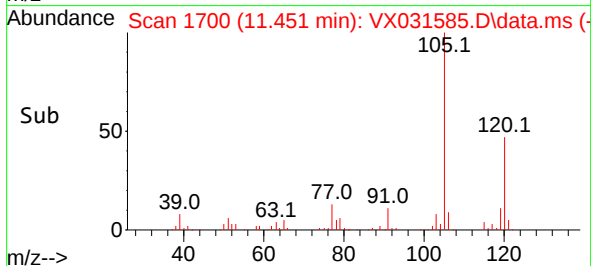
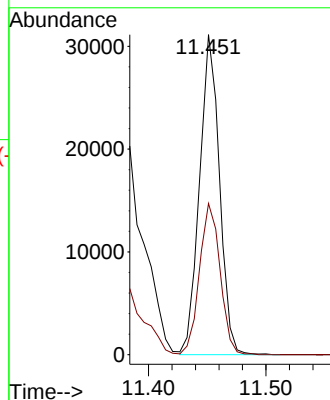
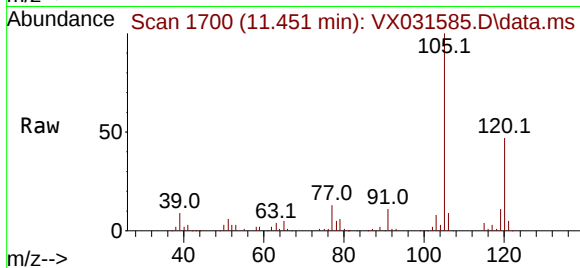
DUP091422

Tgt Ion:105 Resp: 36693

Ion Ratio Lower Upper

105 100

120 48.8 24.5 73.5



#84

1,2,4-Trimethylbenzene

Concen: 10.978 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX031585.D

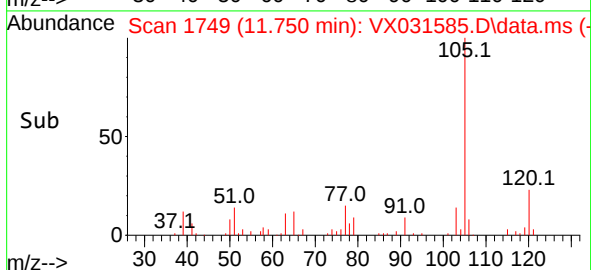
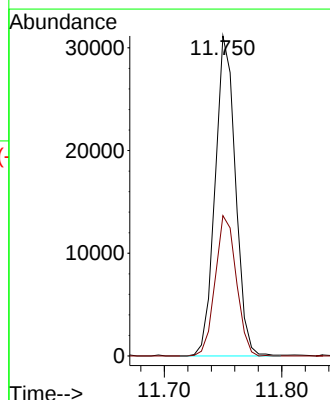
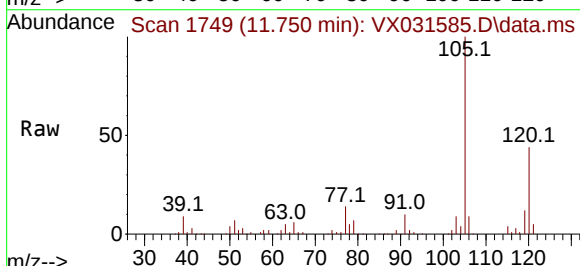
Acq: 22 Sep 2022 21:01

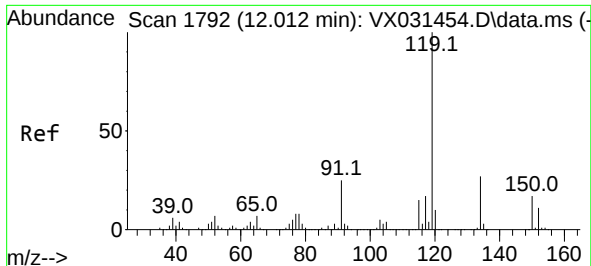
Tgt Ion:105 Resp: 37497

Ion Ratio Lower Upper

105 100

120 45.4 22.6 67.8

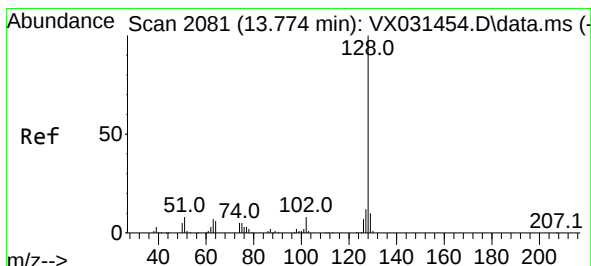
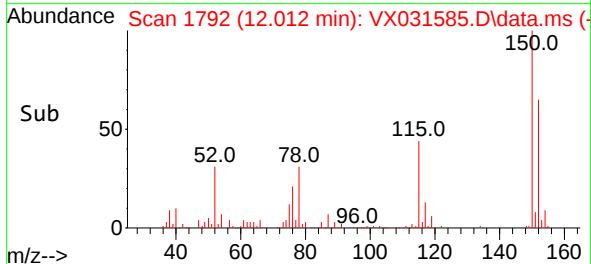
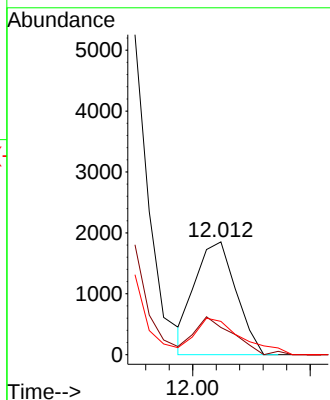
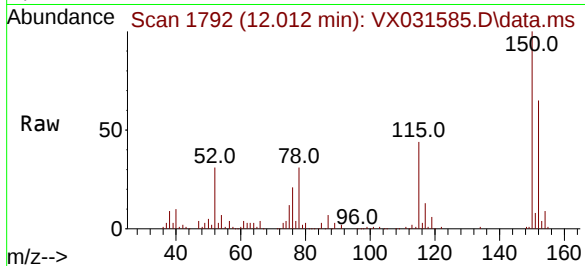




#86  
p-Isopropyltoluene  
Concen: 0.625 ug/l  
RT: 12.012 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP091422

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 2244  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 31.6  | 13.4  | 40.2  |
| 91       | 36.5  | 12.4  | 37.2  |



#95  
Naphthalene  
Concen: 5.251 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX031585.D  
Acq: 22 Sep 2022 21:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 20599 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.7  | 10.4  | 15.6  |
| 129      | 13.5  | 8.8   | 13.2# |

