

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100722\  
 Data File : VX031970.D  
 Acq On : 07 Oct 2022 18:18  
 Operator : JC/MD  
 Sample : N4883-10DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP092722DL

Quant Time: Oct 08 05:15:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

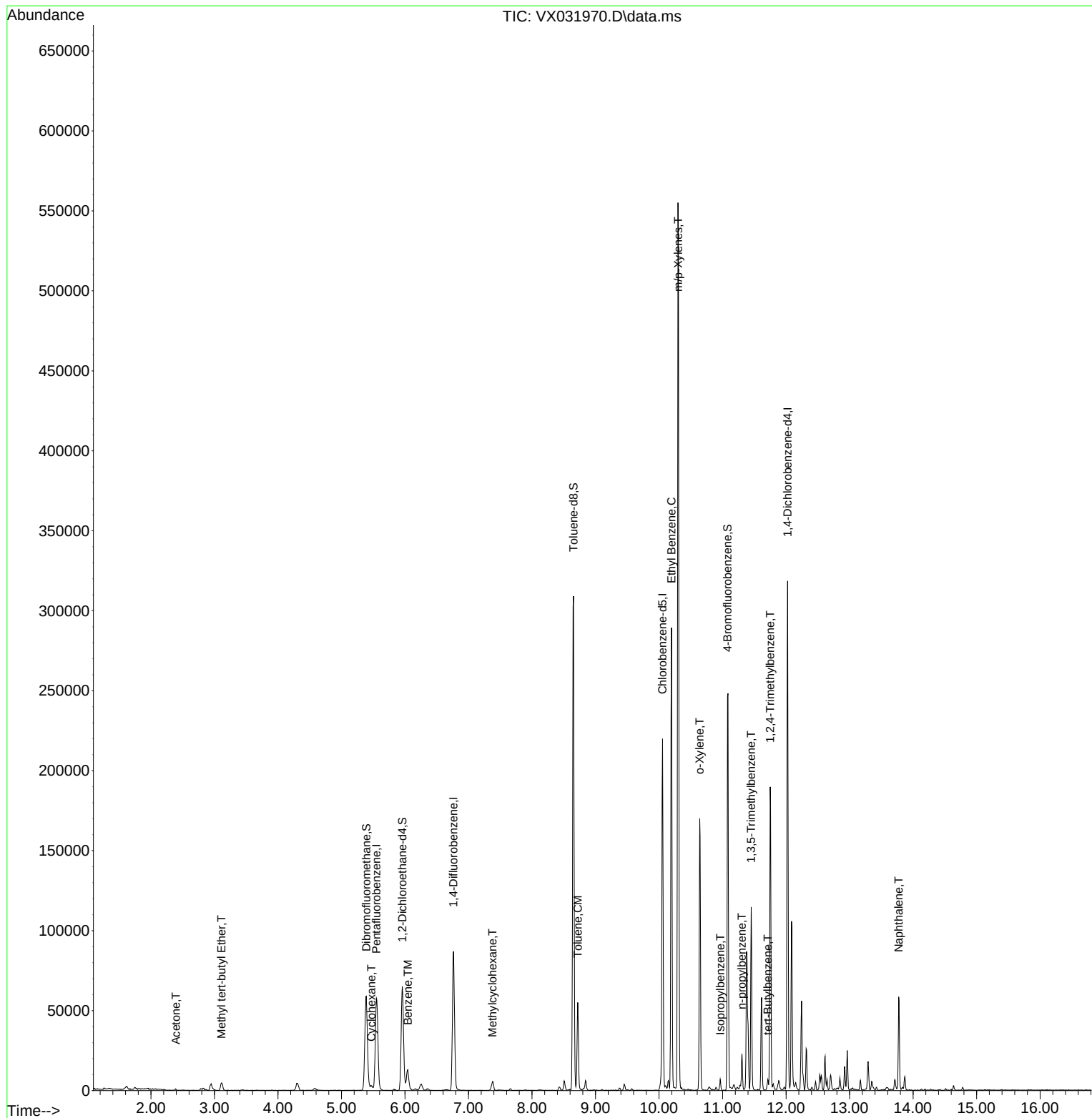
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 55579    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 89092    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 96308    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 64728    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 60344    | 52.573   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 105.140% |          |
| 35) Dibromofluoromethane    | 5.391  | 113   | 50448    | 50.024   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 100.040% |          |
| 50) Toluene-d8              | 8.653  | 98    | 183151   | 50.471   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 100.940% |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 64699    | 50.432   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 100.860% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 2.392  | 43    | 863      | 2.212    | ug/l #     | 71       |
| 19) Methyl tert-butyl Ether | 3.111  | 73    | 4440     | 1.563    | ug/l #     | 70       |
| 31) Cyclohexane             | 5.470  | 56    | 1702     | 1.241    | ug/l #     | 75       |
| 39) Methylcyclohexane       | 7.379  | 83    | 2493     | 1.563    | ug/l       | 93       |
| 40) Benzene                 | 6.044  | 78    | 15831    | 4.043    | ug/l       | 96       |
| 52) Toluene                 | 8.720  | 92    | 20965    | 8.188    | ug/l       | 93       |
| 67) Ethyl Benzene           | 10.195 | 91    | 160572   | 32.526   | ug/l       | 100      |
| 68) m/p-Xylenes             | 10.299 | 106   | 130351   | 66.445   | ug/l       | 96       |
| 69) o-Xylene                | 10.640 | 106   | 37387    | 19.607   | ug/l       | 99       |
| 73) Isopropylbenzene        | 10.963 | 105   | 3323     | 0.681    | ug/l       | 97       |
| 78) n-propylbenzene         | 11.305 | 91    | 12936    | 2.330    | ug/l       | 96       |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 48408    | 11.956   | ug/l       | 99       |
| 83) tert-Butylbenzene       | 11.713 | 119   | 2475     | 0.618    | ug/l       | 92       |
| 84) 1,2,4-Trimethylbenzene  | 11.750 | 105   | 82259    | 19.999   | ug/l       | 97       |
| 95) Naphthalene             | 13.774 | 128   | 36255    | 7.657    | ug/l       | 99       |
| -----                       |        |       |          |          |            |          |

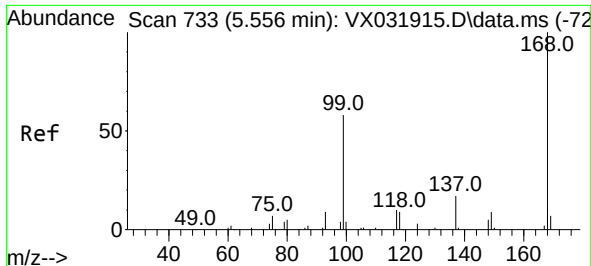
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Oct 06 14:28:46 2022  
Response via : Initial Calibration

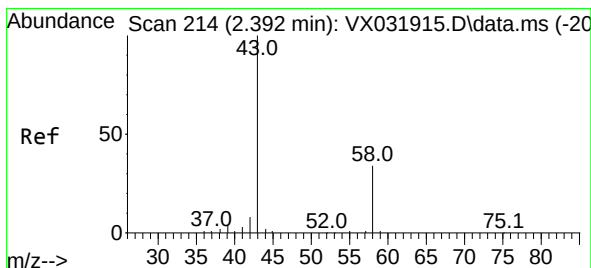
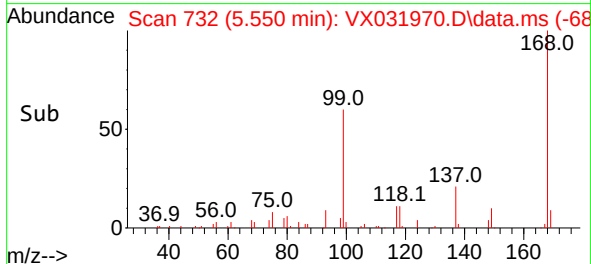
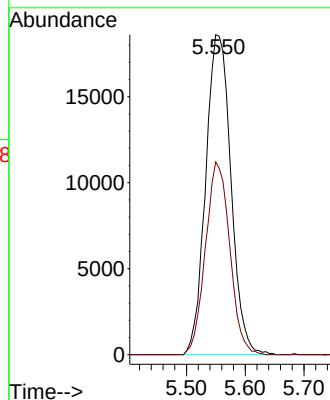
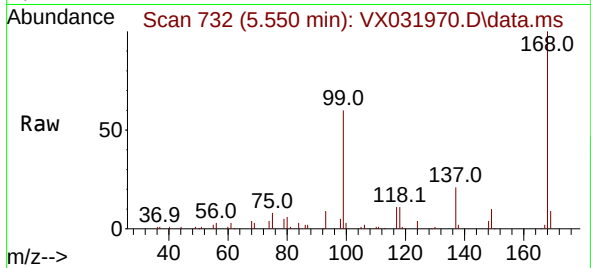




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

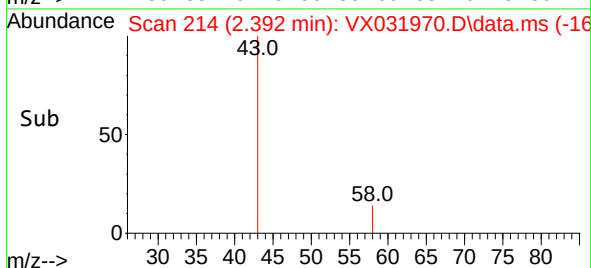
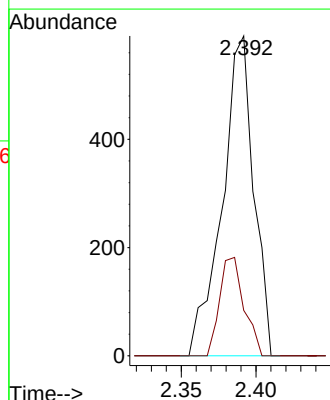
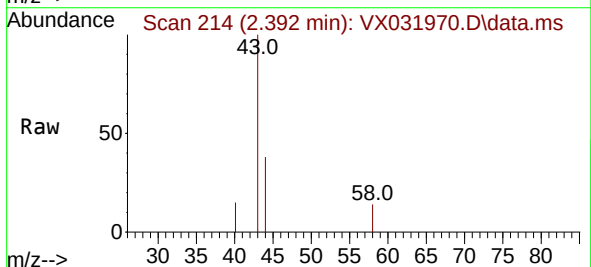
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP092722DL

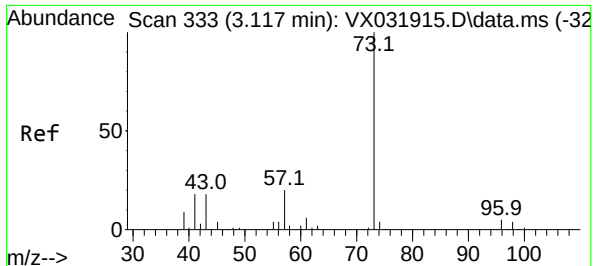
Tgt Ion:168 Resp: 55579  
Ion Ratio Lower Upper  
168 100  
99 60.2 48.8 73.2



#16  
Acetone  
Concen: 2.212 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

Tgt Ion: 43 Resp: 863  
Ion Ratio Lower Upper  
43 100  
58 14.2 23.8 35.8#





#19

Methyl tert-butyl Ether

Concen: 1.563 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX031970.D

Acq: 07 Oct 2022 18:18

Instrument :

MSVOA\_X

ClientSampleId :

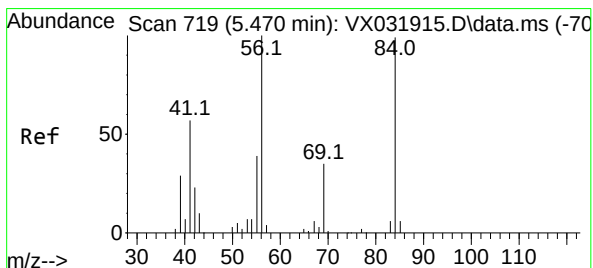
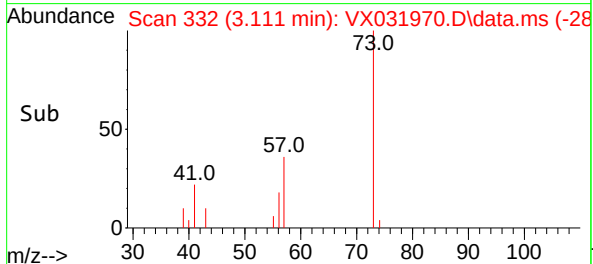
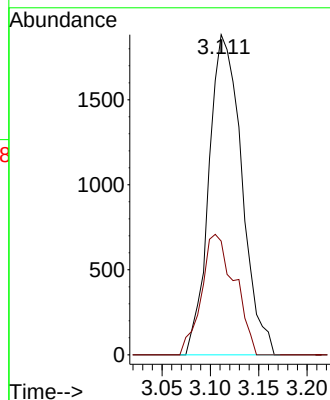
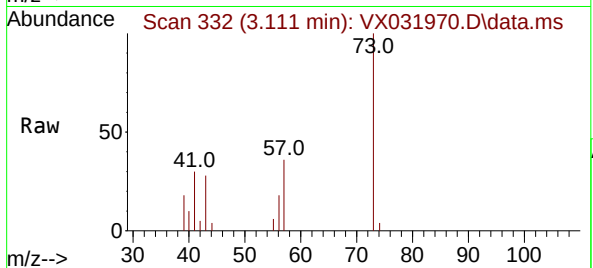
DUP092722DL

Tgt Ion: 73 Resp: 4440

Ion Ratio Lower Upper

73 100

57 35.5 17.2 25.8#



#31

Cyclohexane

Concen: 1.241 ug/l

RT: 5.470 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX031970.D

Acq: 07 Oct 2022 18:18

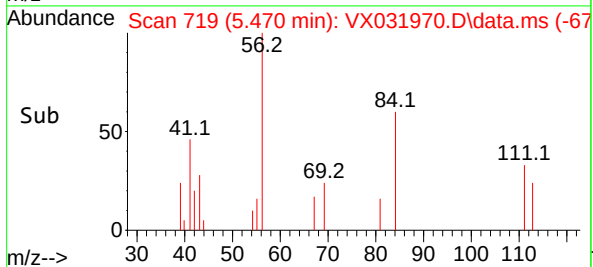
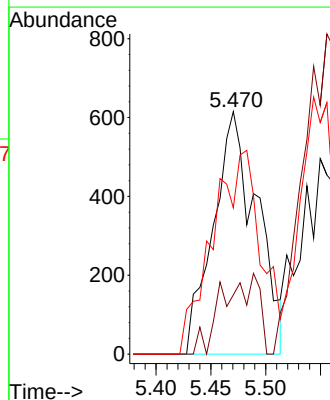
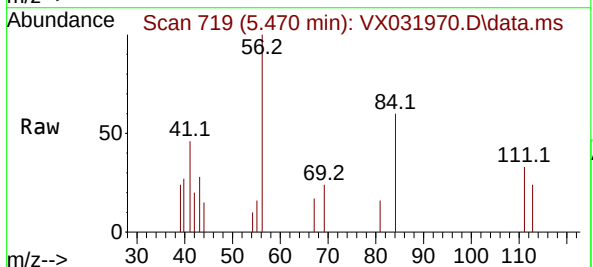
Tgt Ion: 56 Resp: 1702

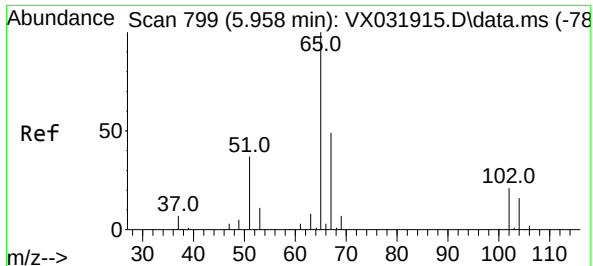
Ion Ratio Lower Upper

56 100

69 24.4 25.1 37.7#

84 60.3 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 52.573 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031970.D

Acq: 07 Oct 2022 18:18

Instrument :

MSVOA\_X

ClientSampleId :

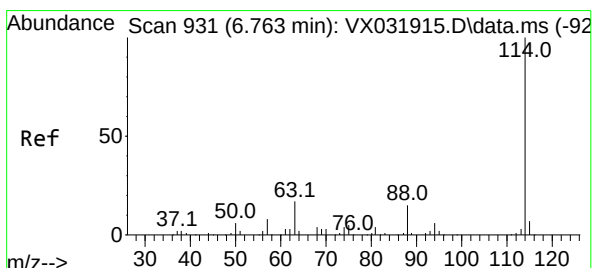
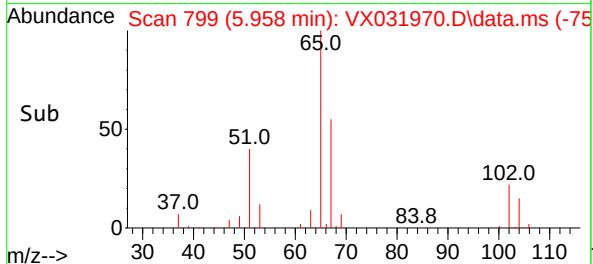
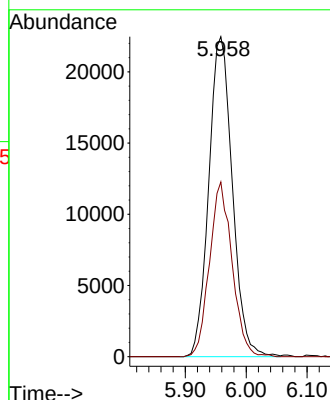
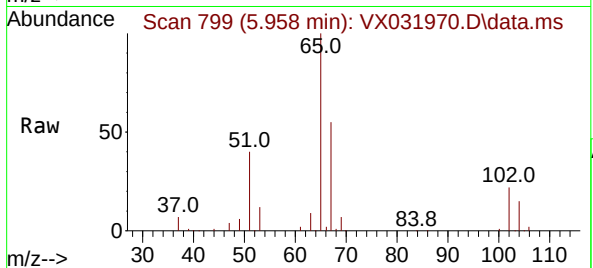
DUP092722DL

Tgt Ion: 65 Resp: 60344

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031970.D

Acq: 07 Oct 2022 18:18

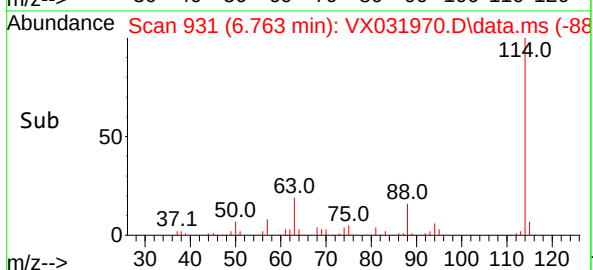
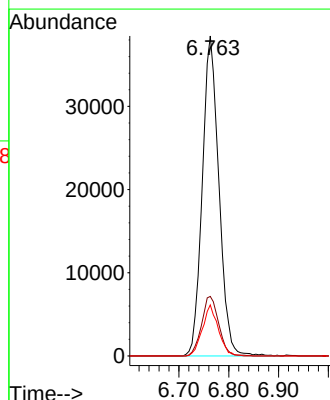
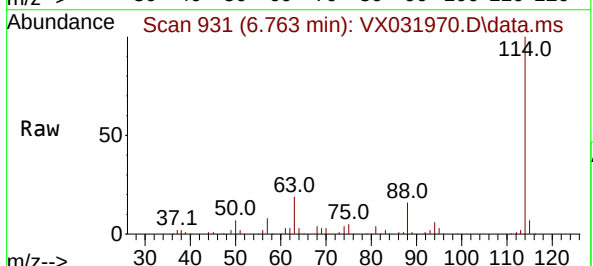
Tgt Ion: 114 Resp: 89092

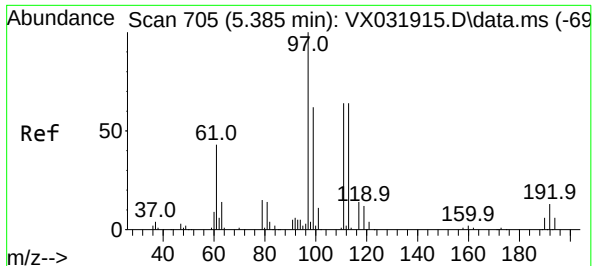
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.6

88 15.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.024 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031970.D

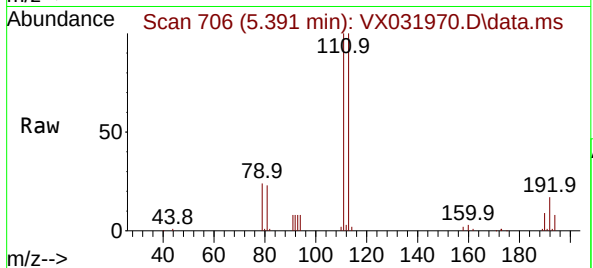
Acq: 07 Oct 2022 18:18

Instrument :

MSVOA\_X

ClientSampleId :

DUP092722DL



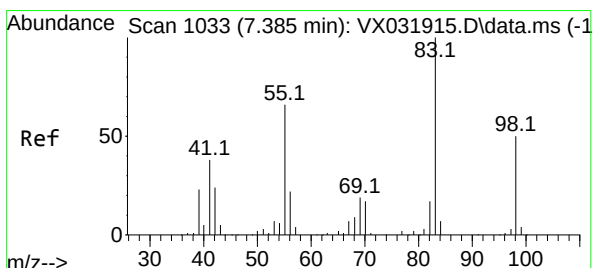
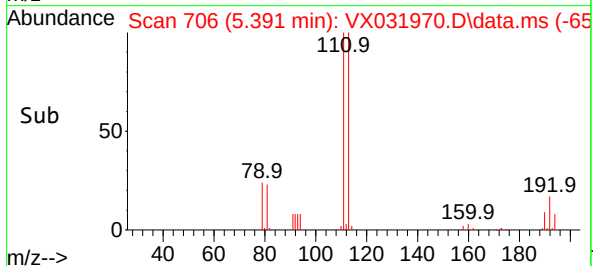
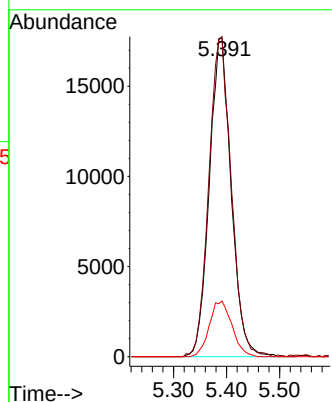
Tgt Ion:113 Resp: 50448

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

192 18.2 14.1 21.1



#39

Methylcyclohexane

Concen: 1.563 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX031970.D

Acq: 07 Oct 2022 18:18

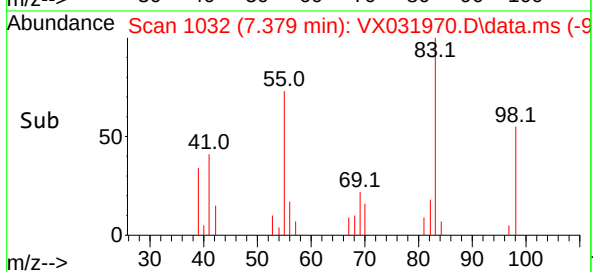
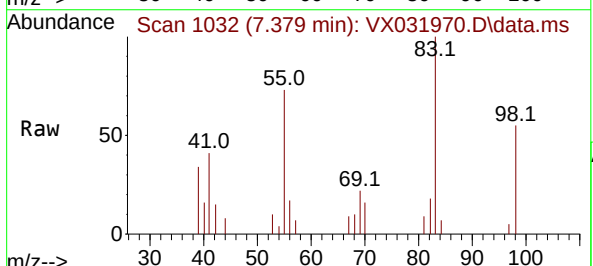
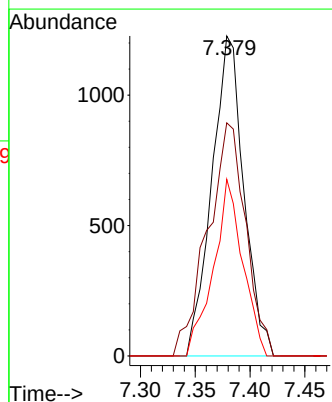
Tgt Ion: 83 Resp: 2493

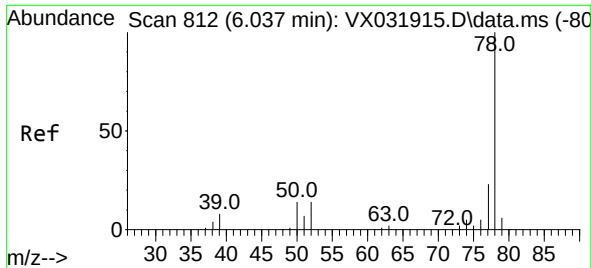
Ion Ratio Lower Upper

83 100

55 72.9 61.0 91.4

98 55.2 37.7 56.5

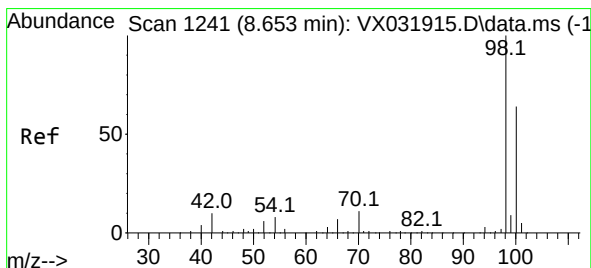
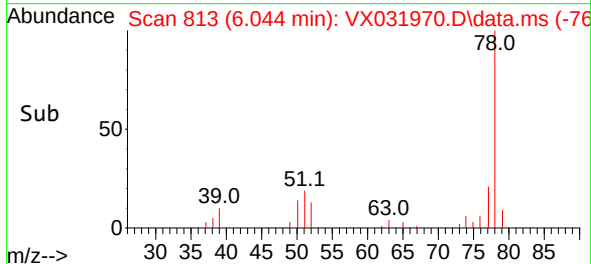
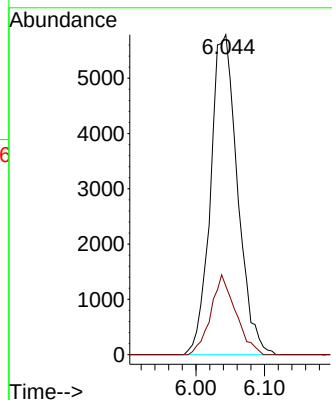
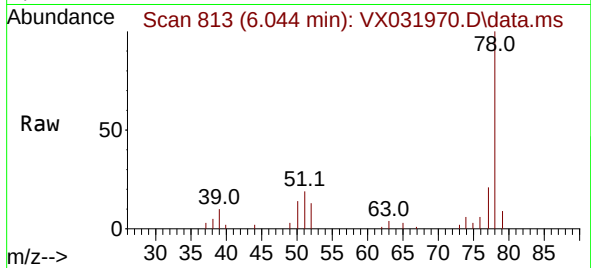




#40  
Benzene  
Concen: 4.043 ug/l  
RT: 6.044 min Scan# 812  
Delta R.T. 0.007 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

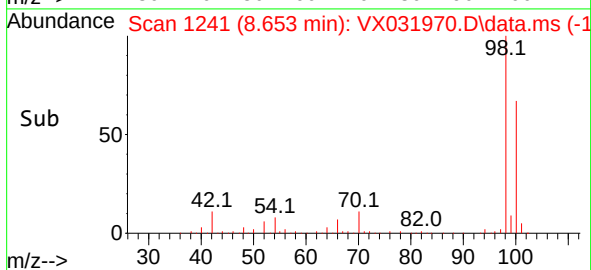
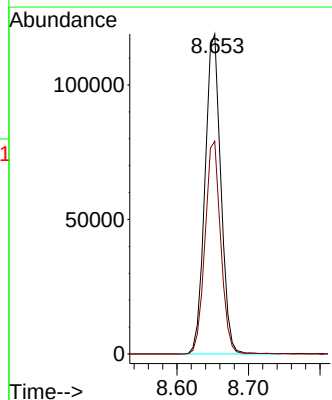
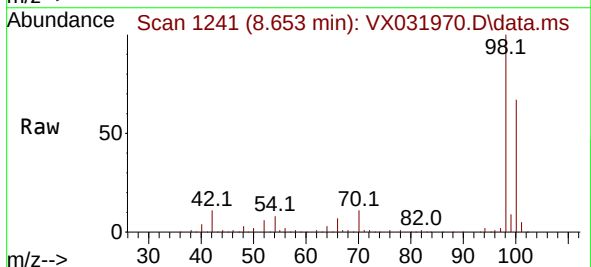
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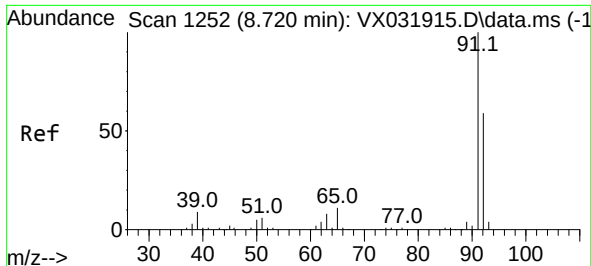
Tgt Ion: 78 Resp: 15831  
Ion Ratio Lower Upper  
78 100  
77 21.4 18.7 28.1



#50  
Toluene-d8  
Concen: 50.471 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

Tgt Ion: 98 Resp: 183151  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.5 78.7

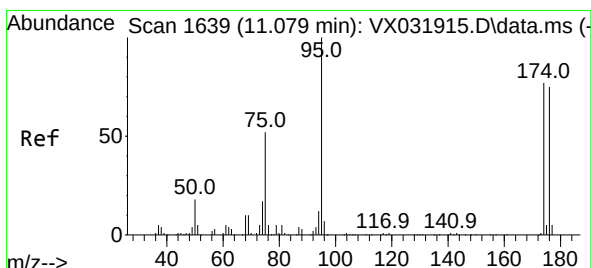
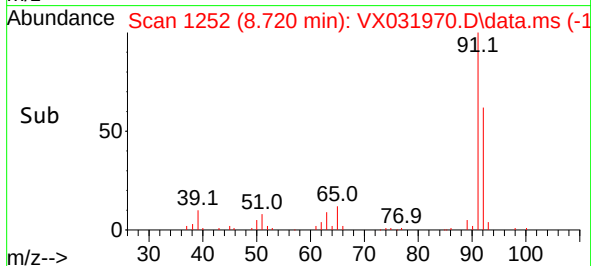
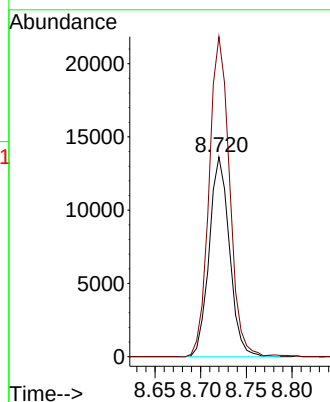
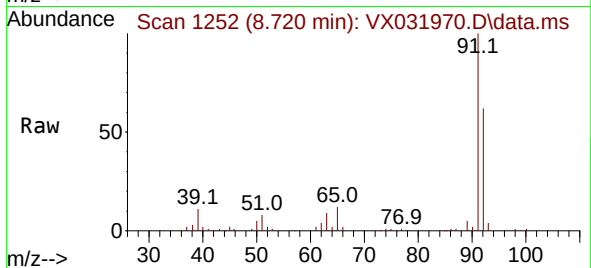




#52  
Toluene  
Concen: 8.188 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

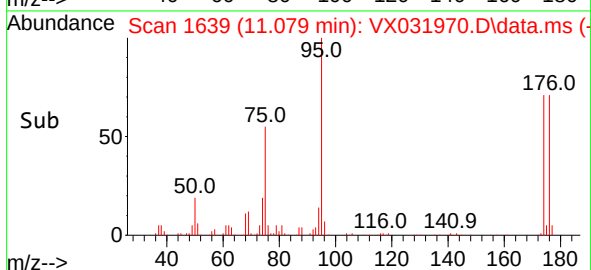
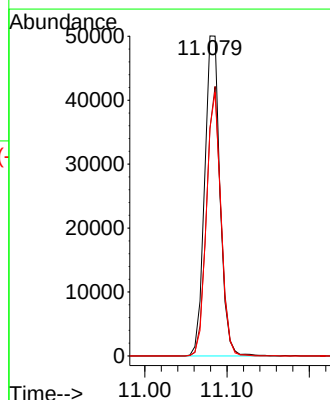
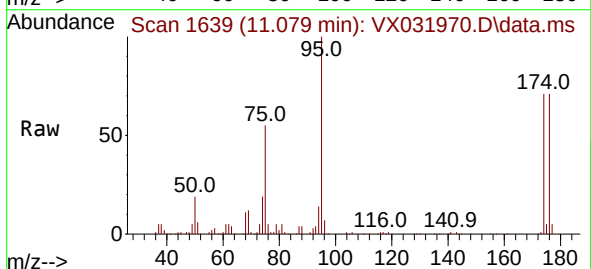
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP092722DL

Tgt Ion: 92 Resp: 20965  
Ion Ratio Lower Upper  
92 100  
91 161.7 137.1 205.7

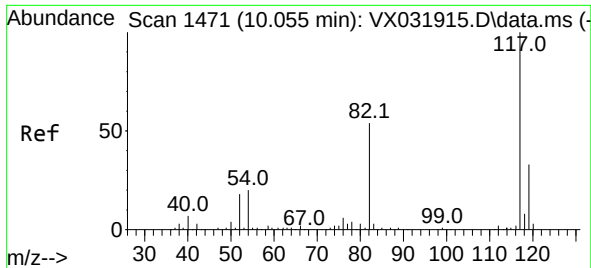


#62  
4-Bromofluorobenzene  
Concen: 50.432 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

Tgt Ion: 95 Resp: 64699  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 153.2  
176 77.8 0.0 144.0



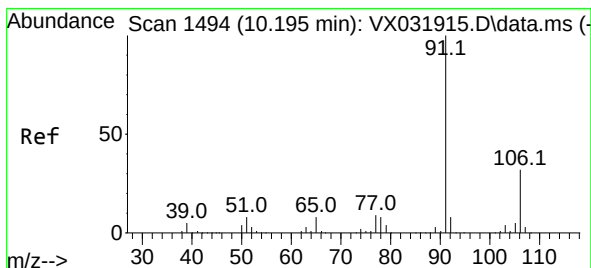
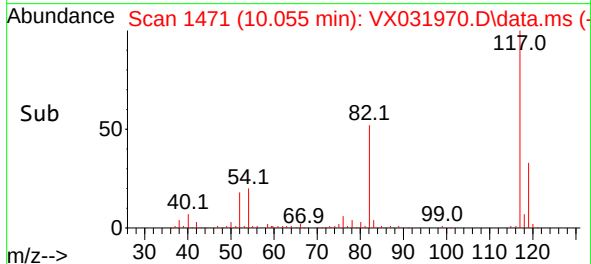
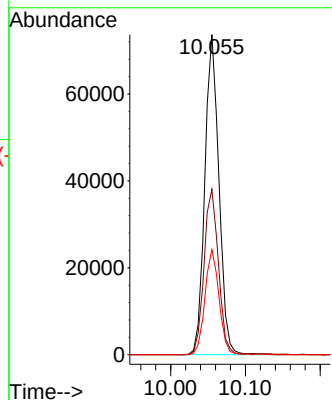
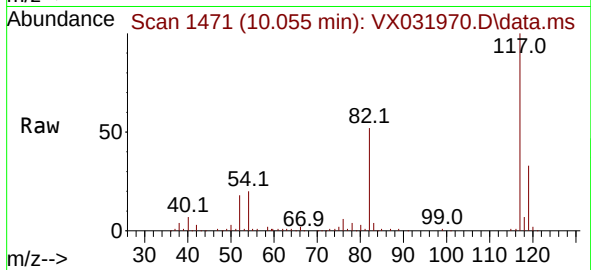




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

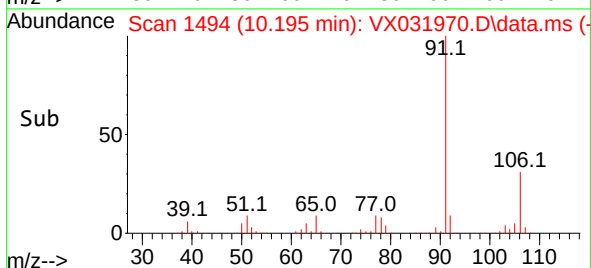
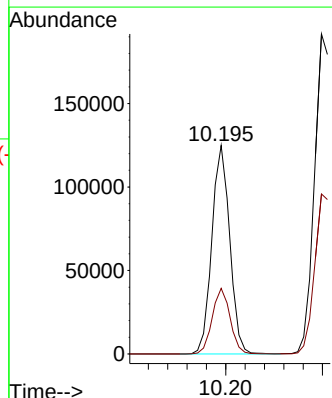
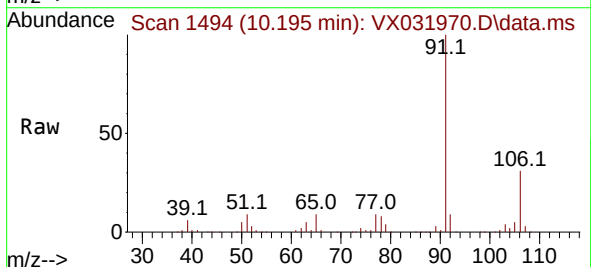
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP092722DL

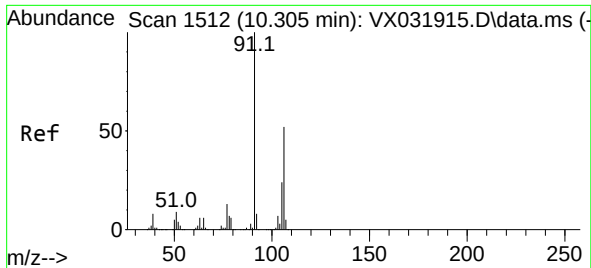
Tgt Ion:117 Resp: 96308  
Ion Ratio Lower Upper  
117 100  
82 51.7 46.8 70.2  
119 32.9 26.4 39.6



#67  
Ethyl Benzene  
Concen: 32.526 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

Tgt Ion: 91 Resp: 160572  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.2 37.8

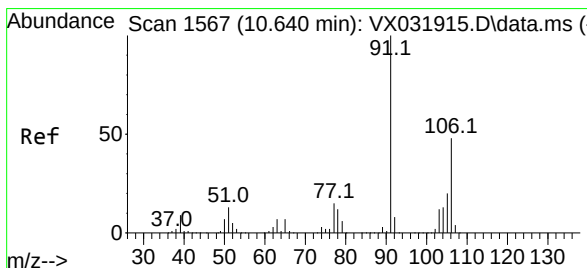
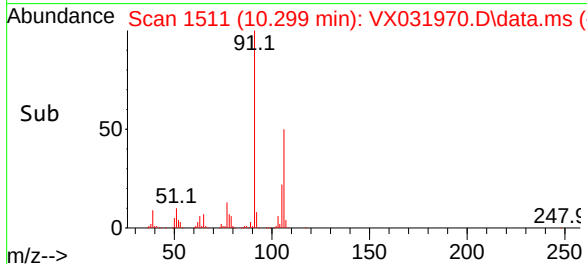
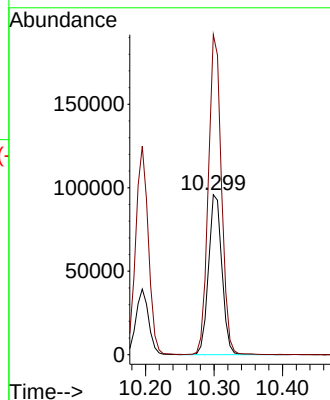
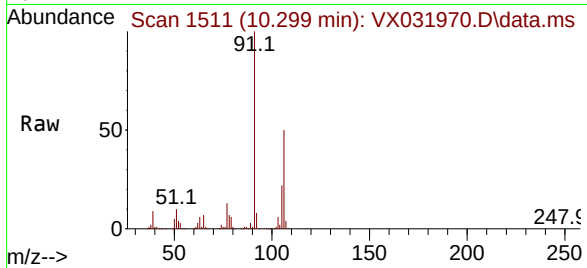




#68  
m/p-Xylenes  
Concen: 66.445 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

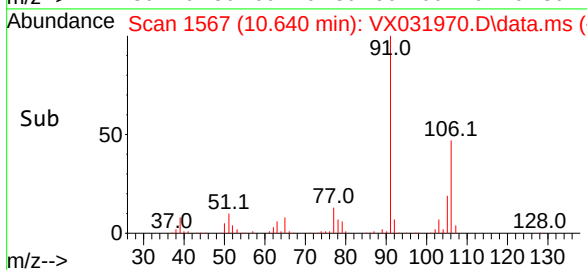
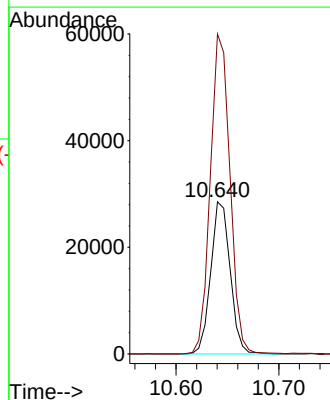
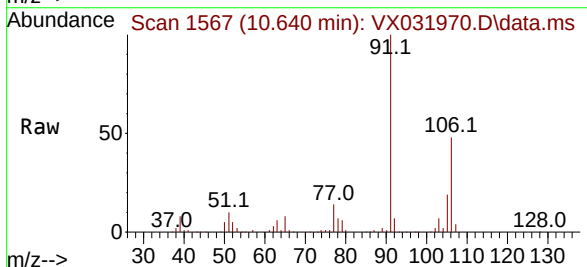
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP092722DL

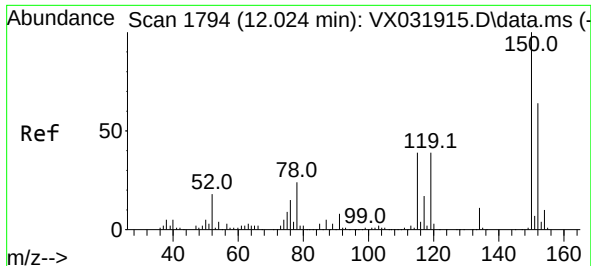
Tgt Ion:106 Resp: 130351  
Ion Ratio Lower Upper  
106 100  
91 195.7 161.0 241.4



#69  
o-Xylene  
Concen: 19.607 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

Tgt Ion:106 Resp: 37387  
Ion Ratio Lower Upper  
106 100  
91 213.3 107.2 321.6

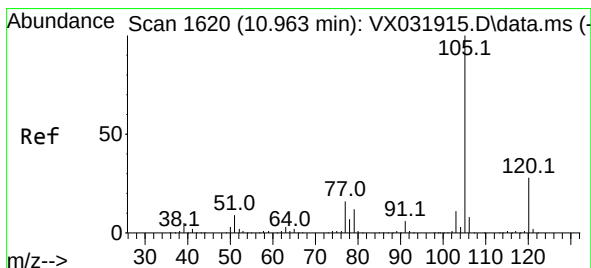
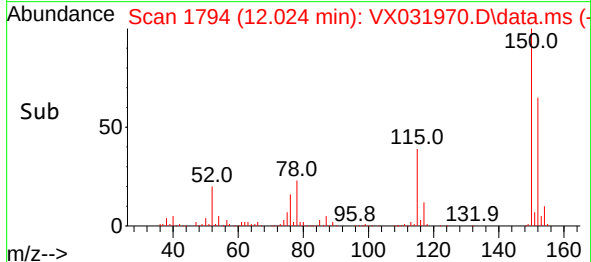
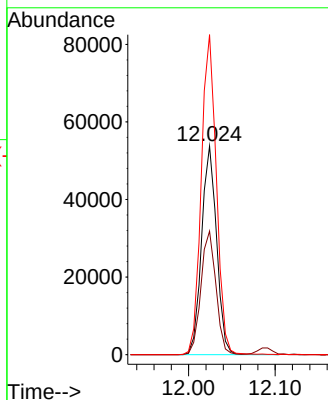
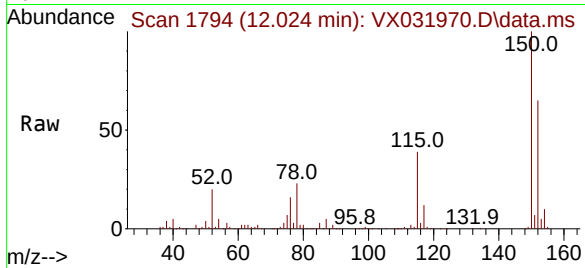




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

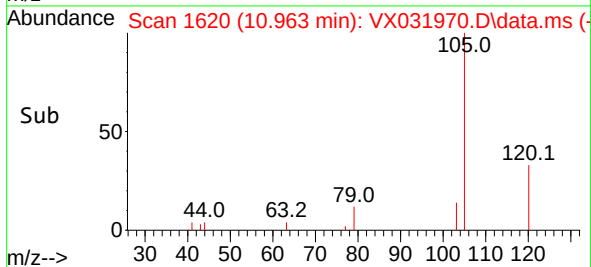
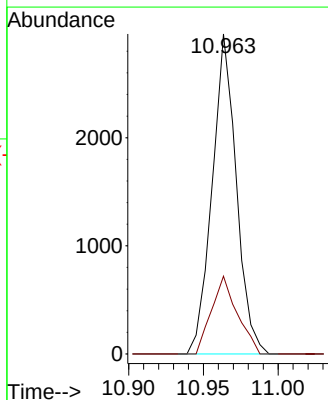
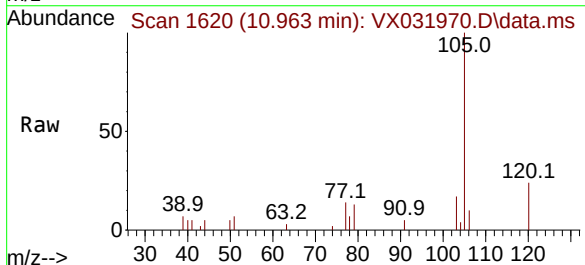
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP092722DL

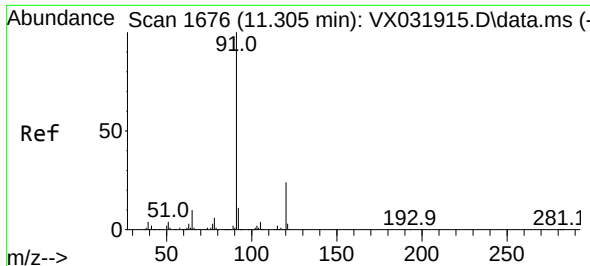
Tgt Ion:152 Resp: 64728  
Ion Ratio Lower Upper  
152 100  
115 59.4 43.4 130.1  
150 154.4 0.0 346.8



#73  
Isopropylbenzene  
Concen: 0.681 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

Tgt Ion:105 Resp: 3323  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.7 41.0

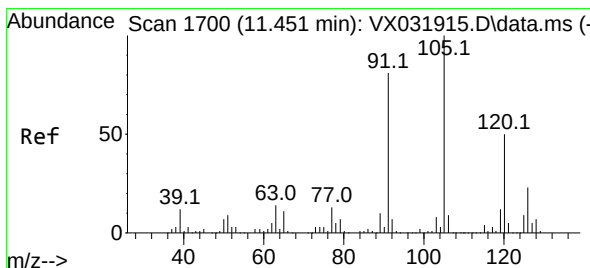
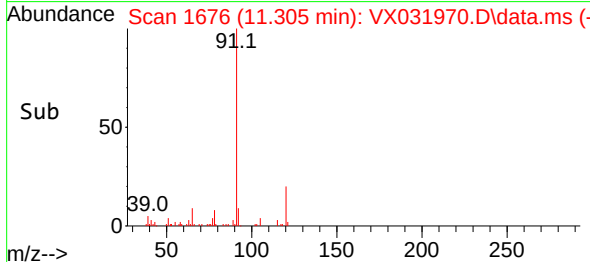
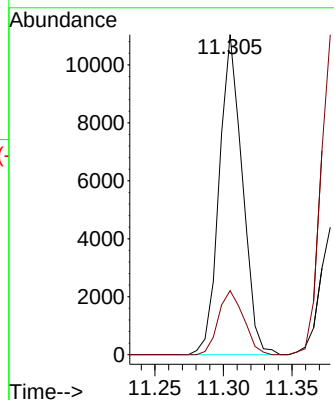
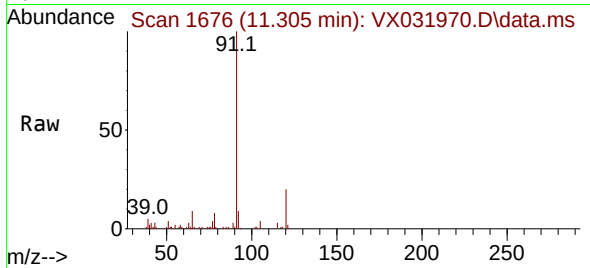




#78  
n-propylbenzene  
Concen: 2.330 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

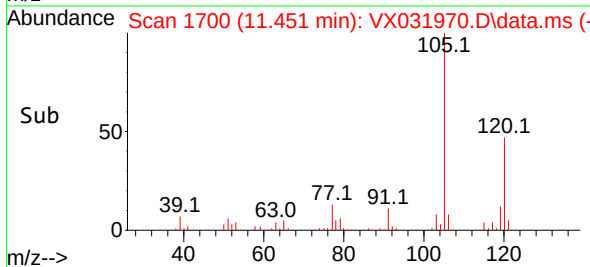
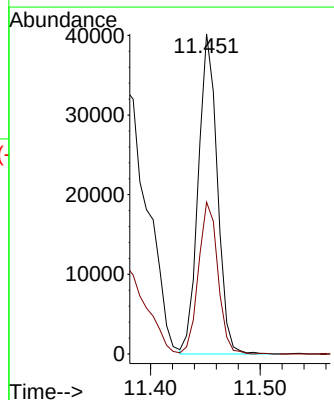
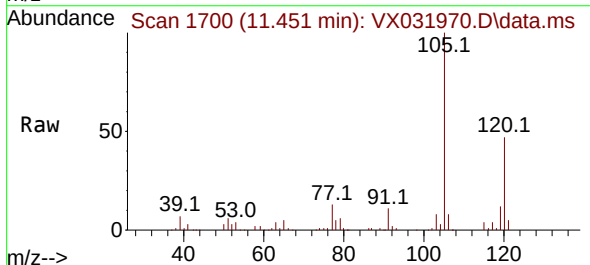
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP092722DL

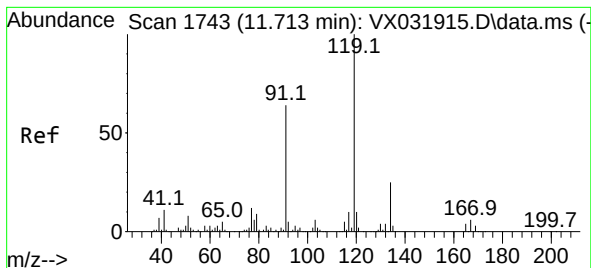
Tgt Ion: 91 Resp: 12936  
Ion Ratio Lower Upper  
91 100  
120 21.9 11.8 35.4



#80  
1,3,5-Trimethylbenzene  
Concen: 11.956 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX031970.D  
Acq: 07 Oct 2022 18:18

Tgt Ion: 105 Resp: 48408  
Ion Ratio Lower Upper  
105 100  
120 48.3 24.5 73.5





#83

tert-Butylbenzene

Concen: 0.618 ug/l

RT: 11.713 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031970.D

Acq: 07 Oct 2022 18:18

Instrument :

MSVOA\_X

ClientSampleId :

DUP092722DL

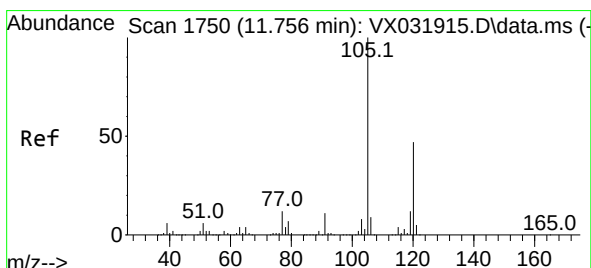
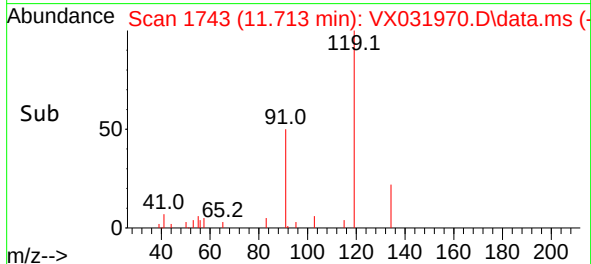
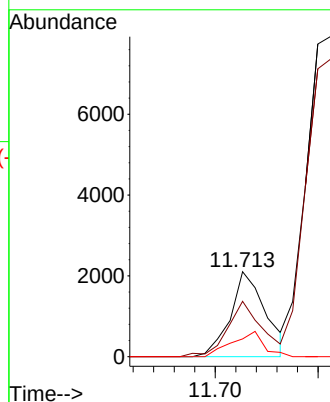
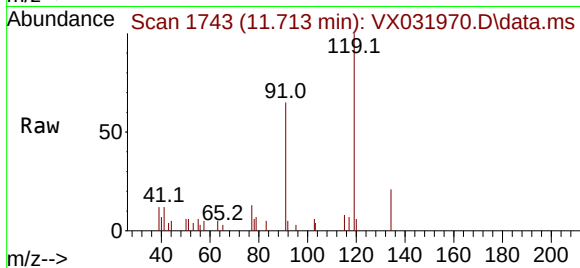
Tgt Ion:119 Resp: 2475

Ion Ratio Lower Upper

119 100

91 64.8 29.2 87.6

134 27.1 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 19.999 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX031970.D

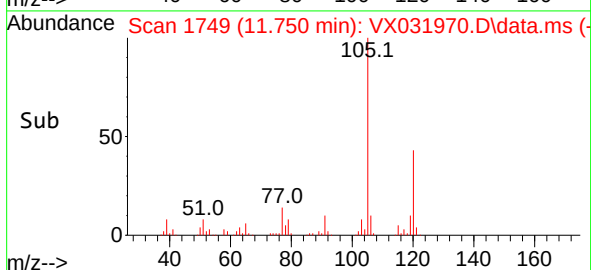
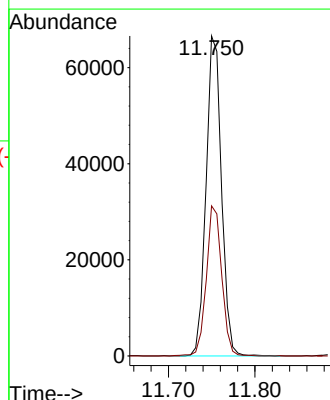
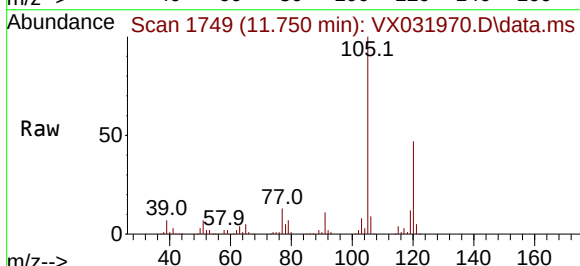
Acq: 07 Oct 2022 18:18

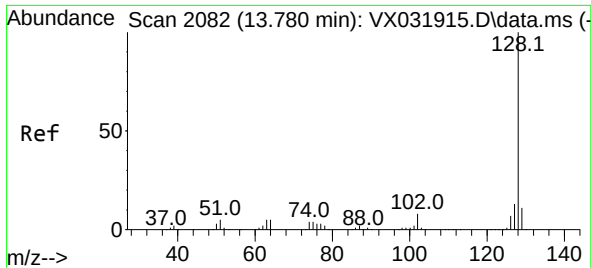
Tgt Ion:105 Resp: 82259

Ion Ratio Lower Upper

105 100

120 46.9 22.6 67.8





#95

Naphthalene

Concen: 7.657 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX031970.D

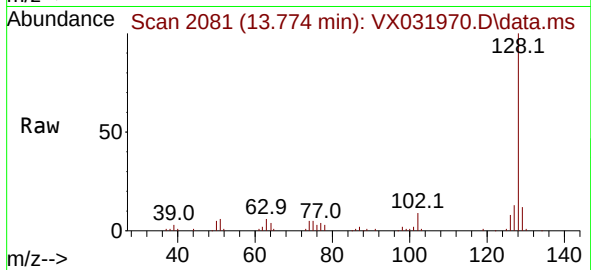
Acq: 07 Oct 2022 18:18

Instrument :

MSVOA\_X

ClientSampleId :

DUP092722DL



Tgt Ion:128 Resp: 36255

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 10.9 8.8 13.2

