

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060623\  
 Data File : VX036026.D  
 Acq On : 06 Jun 2023 12:11  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050688

Quant Time: Jun 07 05:33:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML060623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 07 05:26:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114   | 312586   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 280714   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 151304   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.367   | 65    | 104493   | 49.202   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 98.400%  |
| 7) Chloroethane-d5            | 1.672   | 69    | 82335    | 50.550   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 101.100% |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 65    | 53591    | 49.770   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.540%  |
| 21) 2-Butanone-d5             | 4.471   | 46    | 190085   | 109.196  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 109.200% |
| 24) Chloroform-d              | 5.056   | 84    | 223412   | 50.448   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.900% |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 154526   | 47.819   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.640%  |
| 32) Benzene-d6                | 5.970   | 84    | 437002   | 51.750   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.500% |
| 36) 1,2-Dichloropropane-d6    | 7.305   | 67    | 137592   | 52.421   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 104.840% |
| 41) Toluene-d8                | 8.647   | 98    | 407093   | 52.378   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.760% |
| 43) trans-1,3-Dichloroprop... | 8.951   | 79    | 67800    | 53.812   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 107.620% |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 134433   | 115.021  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 115.020% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 193144   | 53.873   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 107.740% |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 150783   | 51.329   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 102.660% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 138492   | 46.521   | ug/L   | 100      |
| 3) Chloromethane              | 1.294   | 50    | 125070   | 44.590   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.374   | 62    | 118013   | 45.392   | ug/L   | 100      |
| 6) Bromomethane               | 1.617   | 94    | 71792    | 47.398   | ug/L   | 99       |
| 8) Chloroethane               | 1.691   | 64    | 69501    | 45.067   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.886   | 101   | 172363   | 47.133   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331   | 101   | 112003   | 46.926   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.318   | 96    | 98484    | 47.413   | ug/L   | 97       |
| 13) Acetone                   | 2.410   | 43    | 157536   | 85.653   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.514   | 76    | 269527   | 47.283   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.709   | 43    | 138891   | 48.808   | ug/L   | 100      |
| 16) Methylene chloride        | 2.788   | 84    | 111246   | 46.641   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.093   | 96    | 101474   | 45.598   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 387318   | 48.916   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.611   | 63    | 205677   | 46.357   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 4.489   | 96    | 118139   | 46.267   | ug/L   | 96       |
| 22) 2-Butanone                | 4.574   | 43    | 206752   | 94.117   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.897   | 128   | 60046    | 47.380   | ug/L   | 97       |
| 25) Chloroform                | 5.092   | 83    | 227968   | 47.234   | ug/L   | 99       |

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 Sample : VSTDCCC050  
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 ALS Vial : 9 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD050688

Quant Time: Jun 07 05:33:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML060623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 07 05:26:18 2023  
 Response via : Initial Calibration

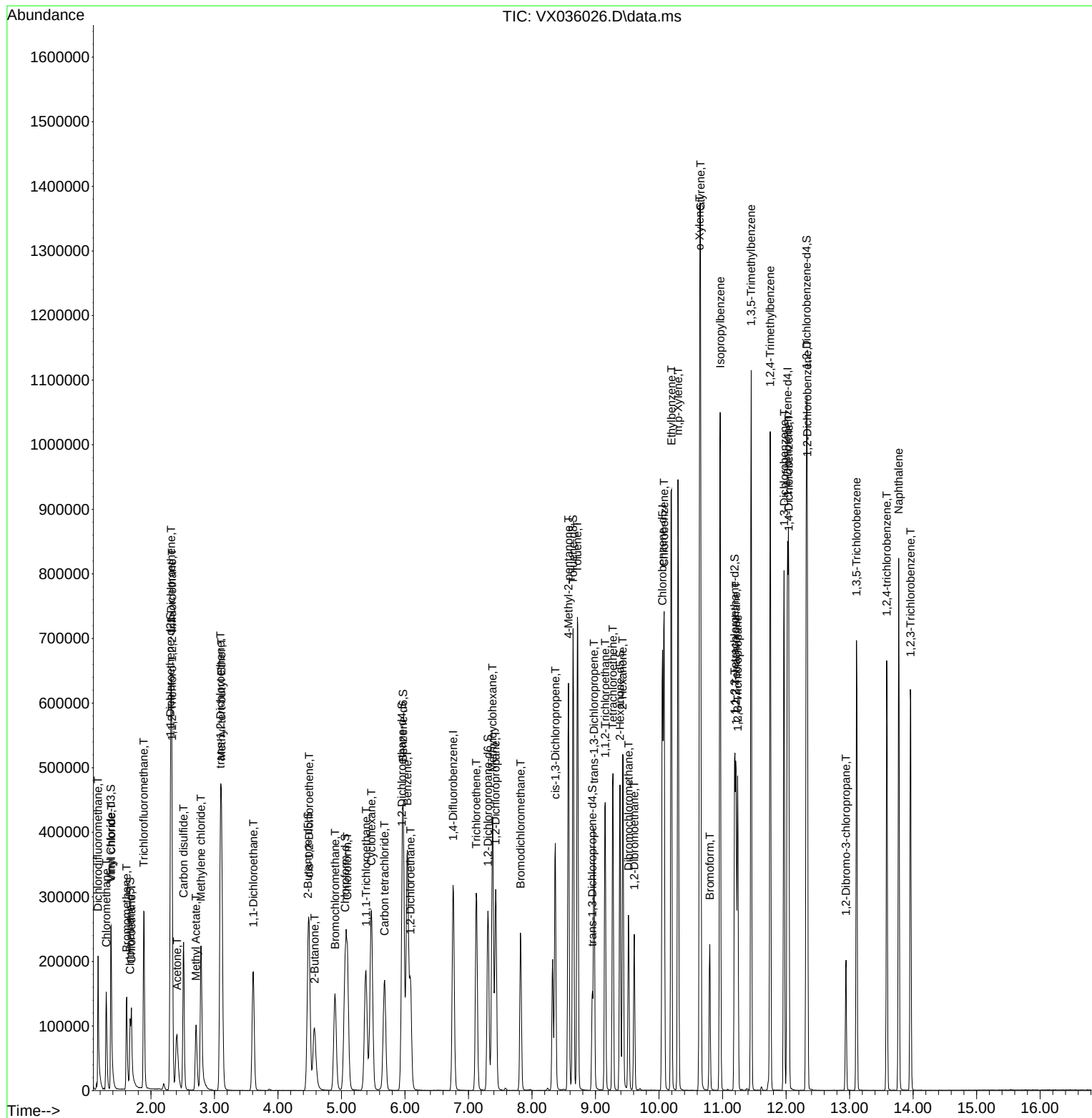
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 186427   | 45.271 | ug/L  | 99       |
| 29) Cyclohexane               | 5.470  | 56   | 192218   | 49.299 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 186820   | 48.024 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 155780   | 48.220 | ug/L  | 98       |
| 33) Benzene                   | 6.037  | 78   | 448856   | 47.994 | ug/L  | 100      |
| 34) Trichloroethene           | 7.122  | 95   | 119317   | 47.370 | ug/L  | 91       |
| 35) Methylcyclohexane         | 7.379  | 83   | 186962   | 50.562 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 119291   | 48.600 | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.817  | 83   | 151625   | 47.915 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 192283   | 50.139 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 8.573  | 43   | 368725   | 99.745 | ug/L  | 98       |
| 42) Toluene                   | 8.714  | 91   | 475039   | 48.838 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 180762   | 50.336 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 117812   | 49.042 | ug/L  | 98       |
| 46) Tetrachloroethene         | 9.275  | 164  | 87887    | 49.896 | ug/L  | 95       |
| 48) 2-Hexanone                | 9.427  | 43   | 289332   | 99.191 | ug/L  | 97       |
| 49) Dibromochloromethane      | 9.518  | 129  | 112993   | 49.574 | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 128360   | 50.568 | ug/L  | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 306975   | 47.969 | ug/L  | 98       |
| 52) Ethylbenzene              | 10.195 | 91   | 545595   | 48.702 | ug/L  | 98       |
| 53) m,p-Xylene                | 10.299 | 106  | 211033   | 49.672 | ug/L  | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 204087   | 49.146 | ug/L  | 99       |
| 55) Styrene                   | 10.652 | 104  | 349838   | 49.569 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 188279   | 49.864 | ug/L  | 99       |
| 59) Bromoform                 | 10.799 | 173  | 75996    | 48.040 | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 545256   | 47.074 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 151345   | 46.774 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 457149   | 47.453 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 425462   | 47.725 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 241093   | 48.066 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 242744   | 47.313 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 236015   | 48.168 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 39549    | 48.398 | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 152905   | 49.805 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 140717   | 50.177 | ug/L  | 98       |
| 71) Naphthalene               | 13.774 | 128  | 469064   | 50.856 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 135655   | 48.646 | ug/L  | 98       |

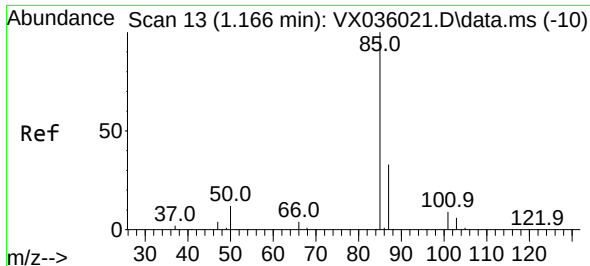
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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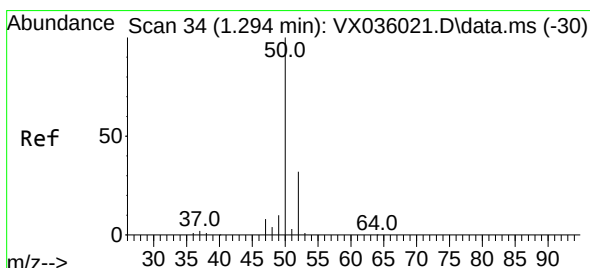
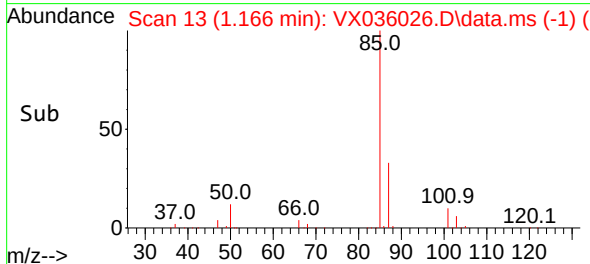
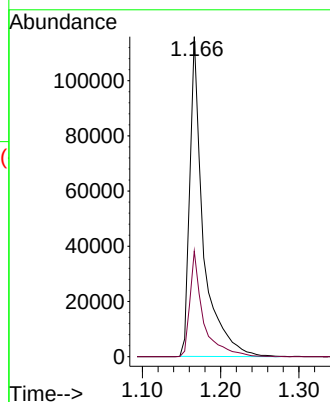
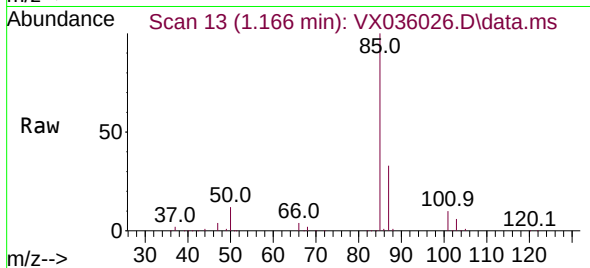




#2  
Dichlorodifluoromethane  
Concen: 46.521 ug/L  
RT: 1.166 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

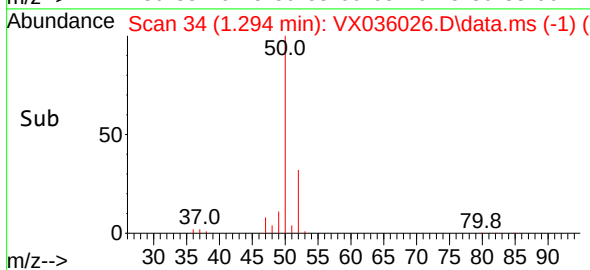
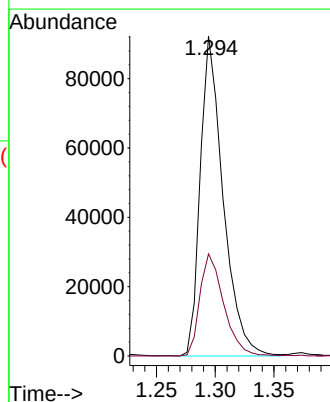
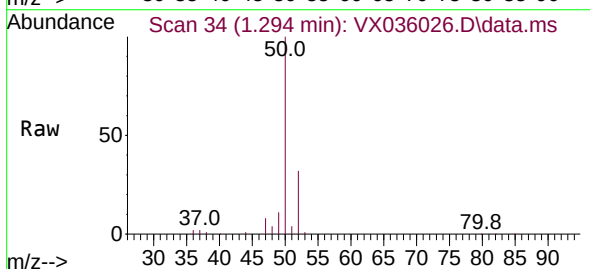
Instrument :  
MSVOA\_X  
ClientSampleId :  
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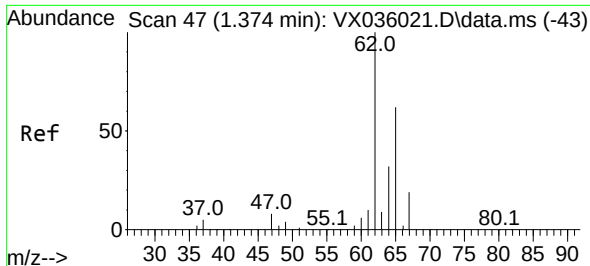
Tgt Ion: 85 Resp: 138492  
Ion Ratio Lower Upper  
85 100  
87 32.8 26.4 39.6



#3  
Chloromethane  
Concen: 44.590 ug/L  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 50 Resp: 125070  
Ion Ratio Lower Upper  
50 100  
52 31.9 22.5 41.9

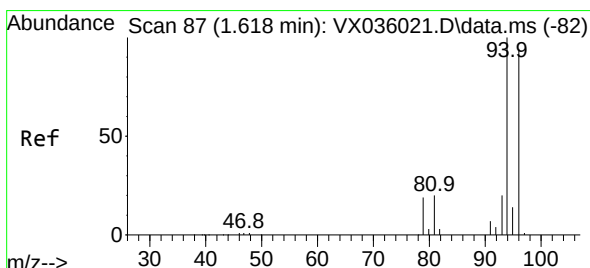
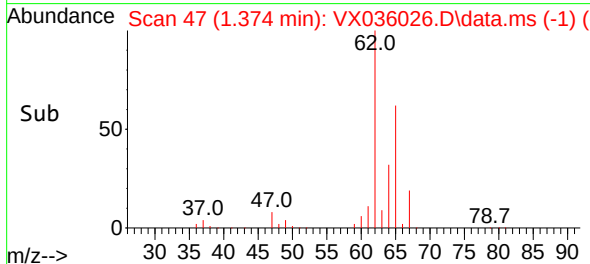
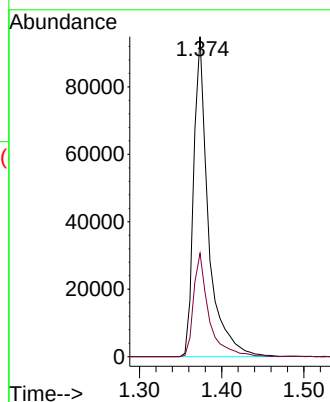
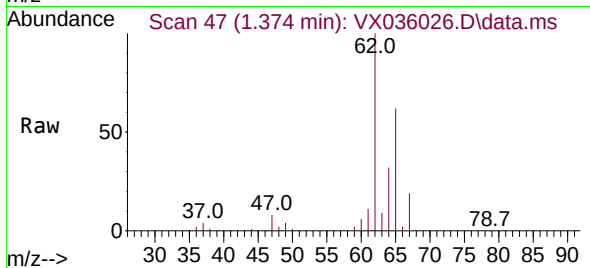




#5  
 Vinyl chloride  
 Concen: 45.392 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX036026.D  
 Acq: 06 Jun 2023 12:11

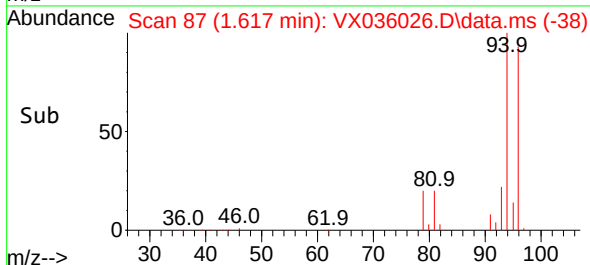
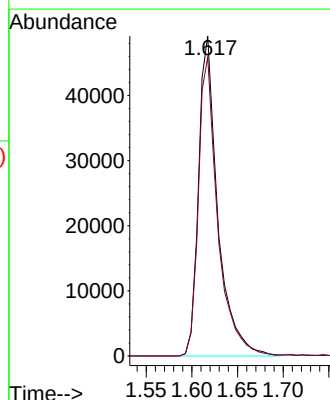
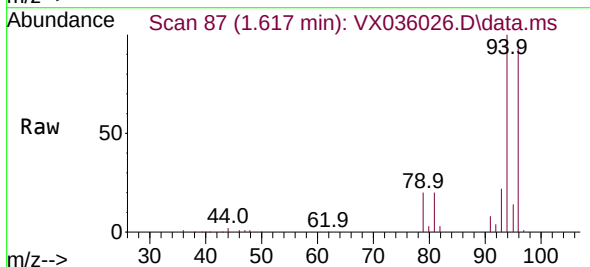
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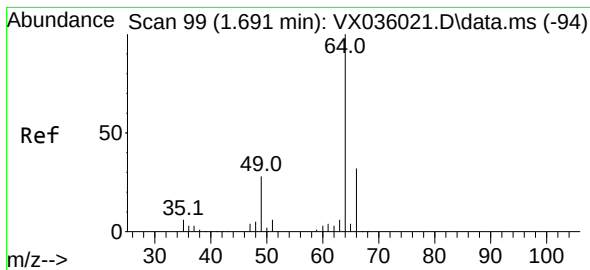
Tgt Ion: 62 Resp: 118013  
 Ion Ratio Lower Upper  
 62 100  
 64 32.3 22.7 42.1



#6  
 Bromomethane  
 Concen: 47.398 ug/L  
 RT: 1.617 min Scan# 87  
 Delta R.T. -0.000 min  
 Lab File: VX036026.D  
 Acq: 06 Jun 2023 12:11

Tgt Ion: 94 Resp: 71792  
 Ion Ratio Lower Upper  
 94 100  
 96 93.4 65.8 122.2

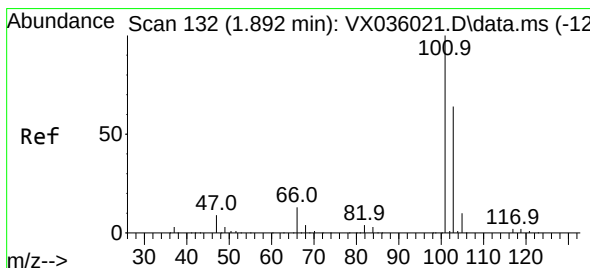
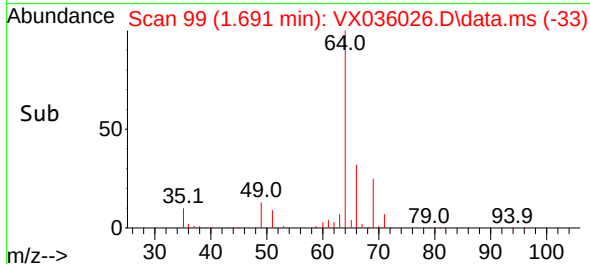
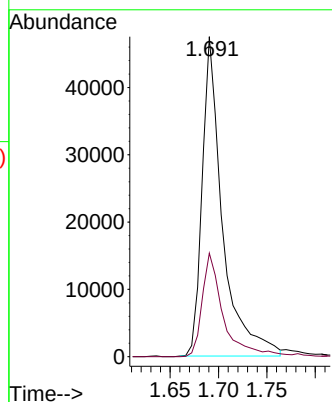
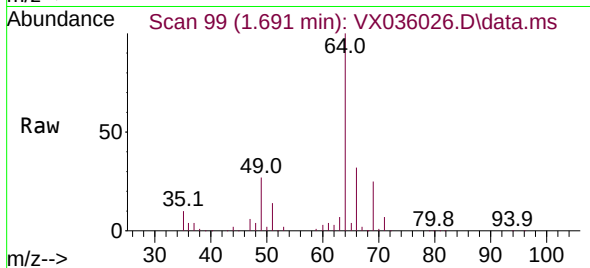




#8  
Chloroethane  
Concen: 45.067 ug/L  
RT: 1.691 min Scan# 99  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

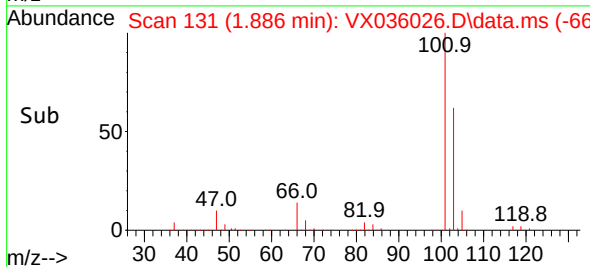
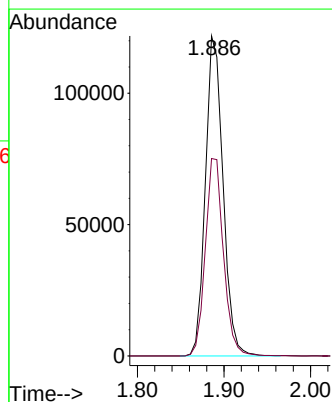
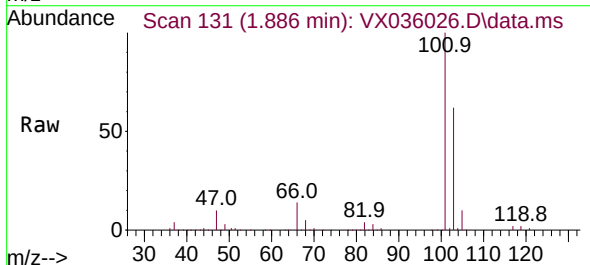
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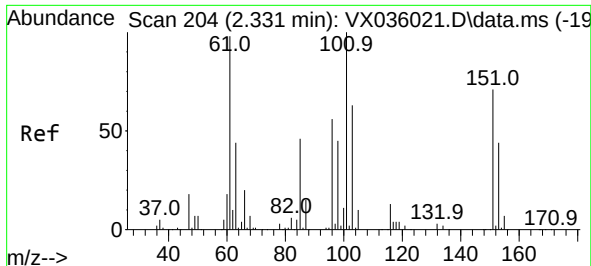
Tgt Ion: 64 Resp: 69501  
Ion Ratio Lower Upper  
64 100  
66 32.4 22.5 41.7



#9  
Trichlorofluoromethane  
Concen: 47.133 ug/L  
RT: 1.886 min Scan# 131  
Delta R.T. -0.006 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion:101 Resp: 172363  
Ion Ratio Lower Upper  
101 100  
103 63.6 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 46.926 ug/L

RT: 2.331 min Scan# 204

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTD050688

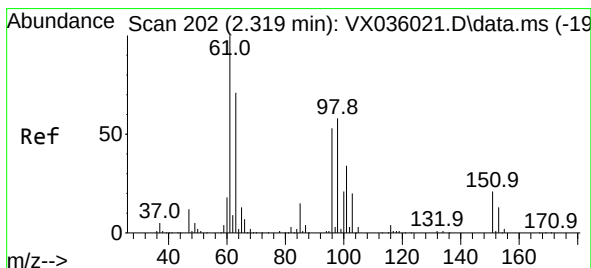
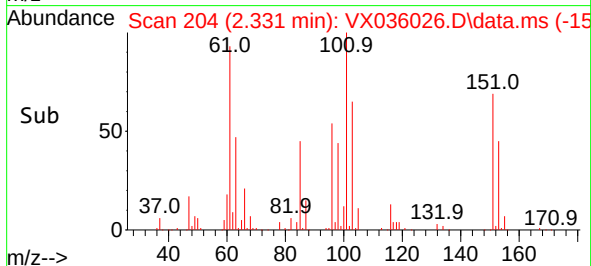
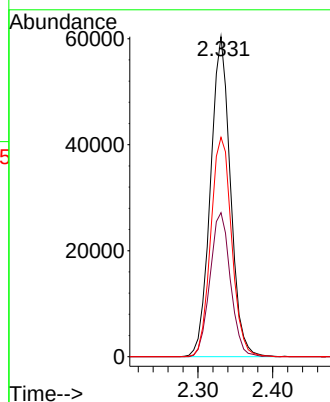
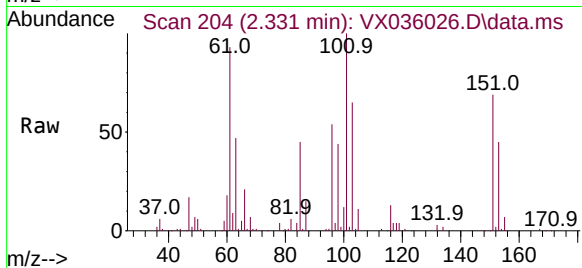
Tgt Ion:101 Resp: 112003

Ion Ratio Lower Upper

101 100

85 45.9 36.6 55.0

151 71.8 56.1 84.1



#12

1,1-Dichloroethene

Concen: 47.413 ug/L

RT: 2.318 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

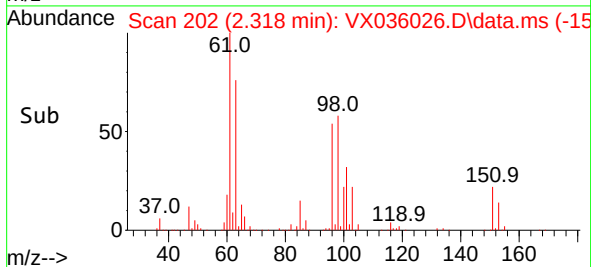
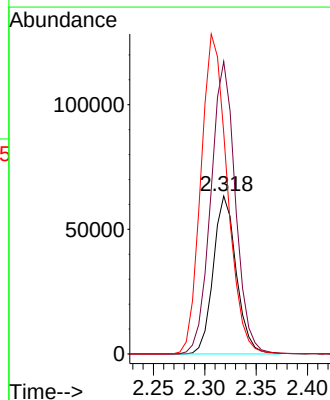
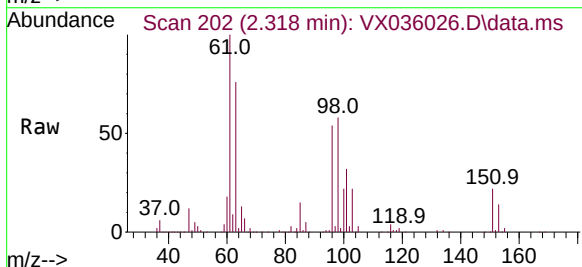
Tgt Ion: 96 Resp: 98484

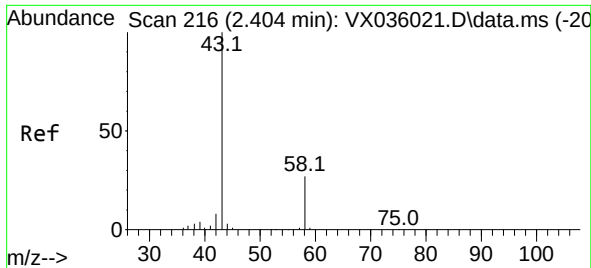
Ion Ratio Lower Upper

96 100

61 185.2 132.5 246.1

63 140.2 95.1 176.7





#13

Acetone

Concen: 85.653 ug/L

RT: 2.410 min Scan# 216

Delta R.T. 0.006 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

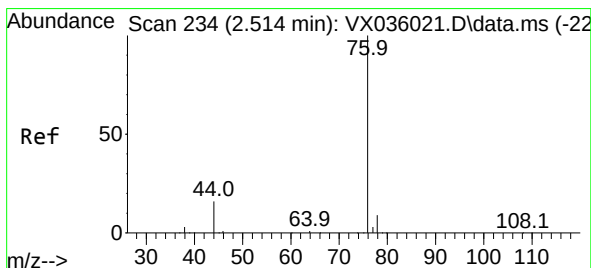
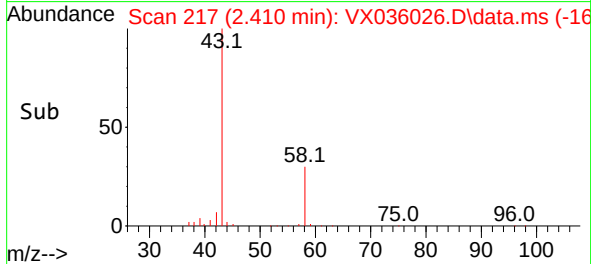
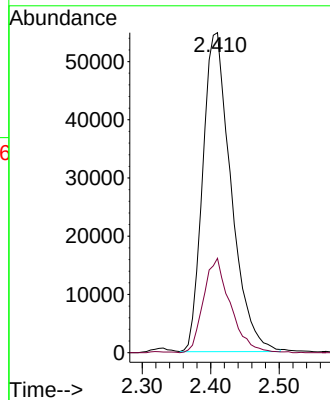
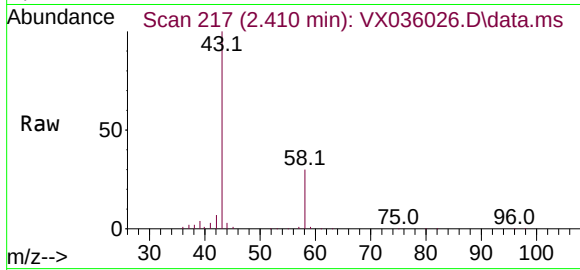
VSTD050688

Tgt Ion: 43 Resp: 157536

Ion Ratio Lower Upper

43 100

58 28.1 0.0 55.4



#14

Carbon disulfide

Concen: 47.283 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX036026.D

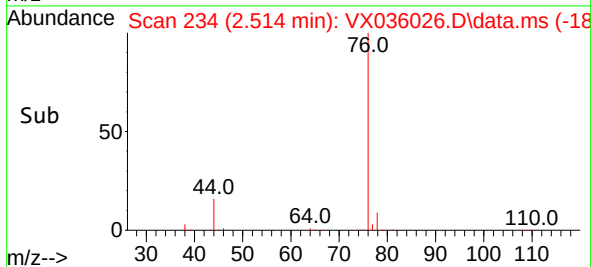
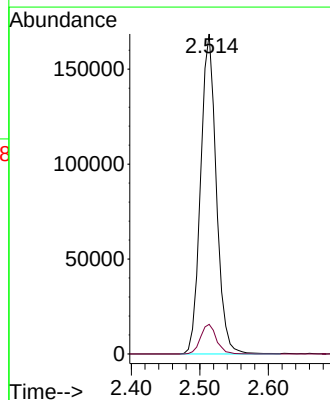
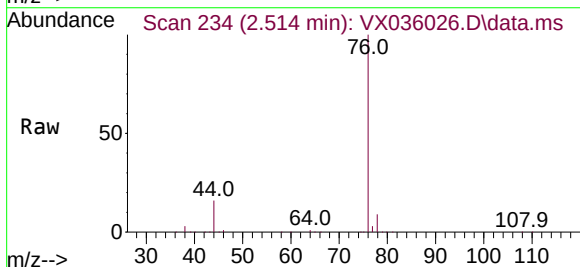
Acq: 06 Jun 2023 12:11

Tgt Ion: 76 Resp: 269527

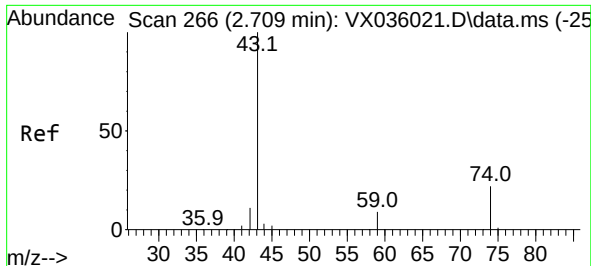
Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



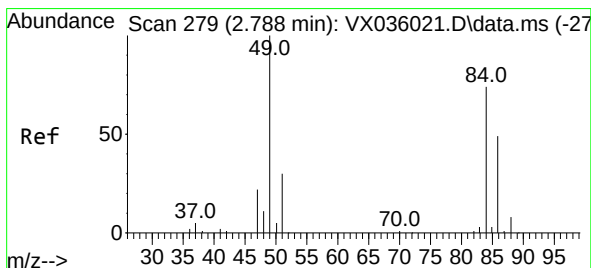
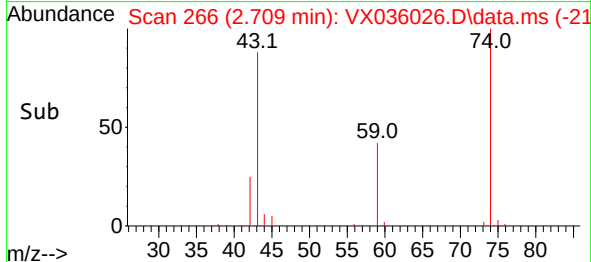
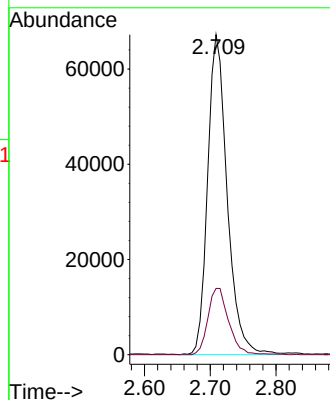
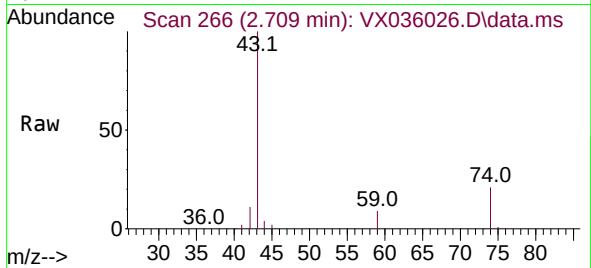




#15  
Methyl Acetate  
Concen: 48.808 ug/L  
RT: 2.709 min Scan# 266  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

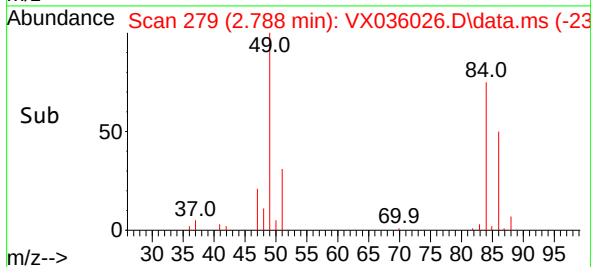
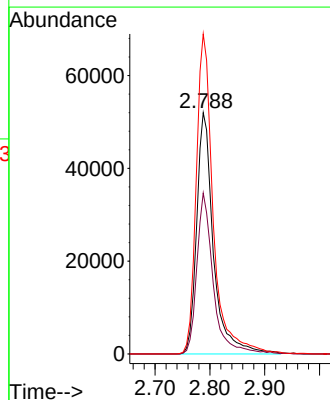
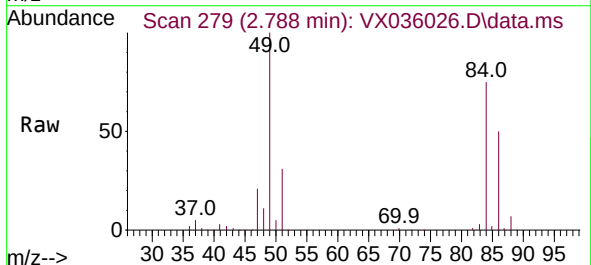
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

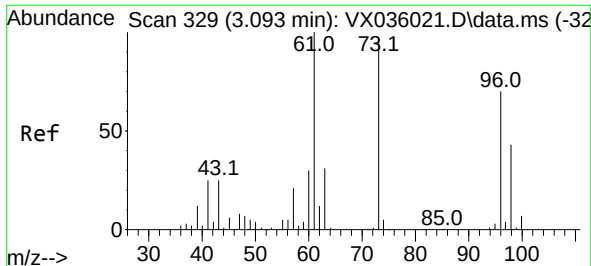
Tgt Ion: 43 Resp: 138891  
Ion Ratio Lower Upper  
43 100  
74 21.8 17.4 26.2



#16  
Methylene chloride  
Concen: 46.641 ug/L  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 84 Resp: 111246  
Ion Ratio Lower Upper  
84 100  
86 66.7 46.5 86.5  
49 132.6 95.1 176.5

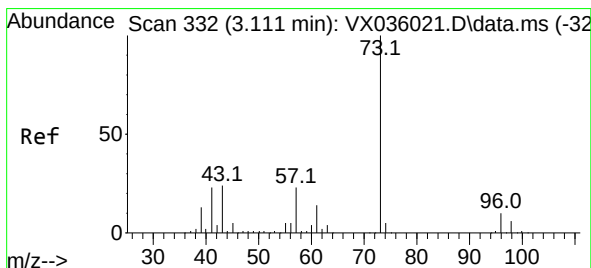
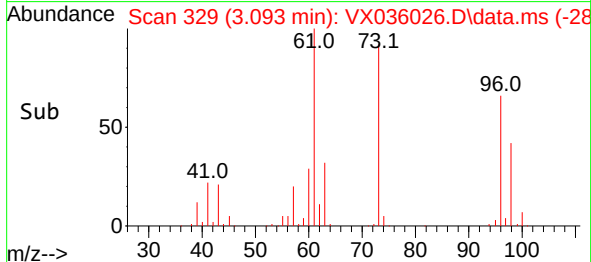
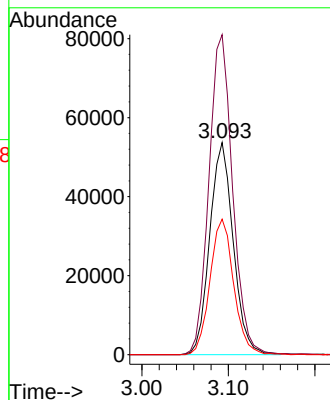
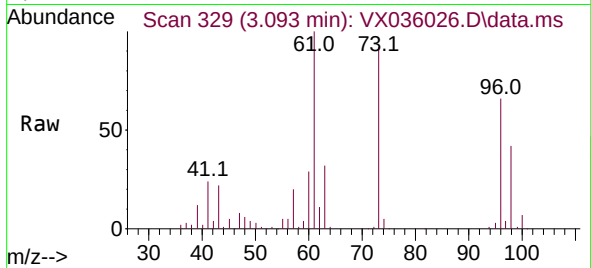




#17  
trans-1,2-Dichloroethene  
Concen: 45.598 ug/L  
RT: 3.093 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

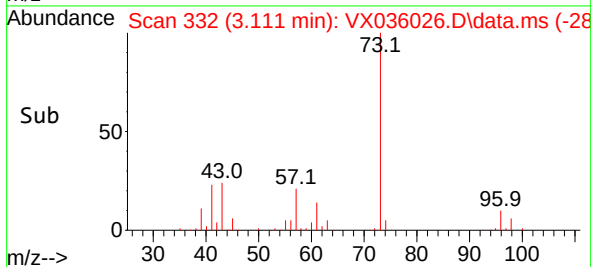
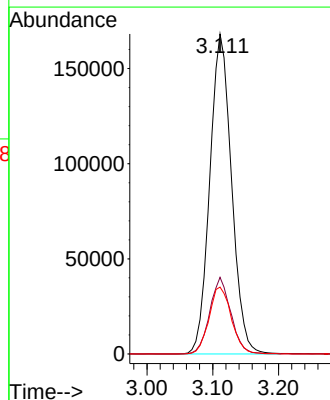
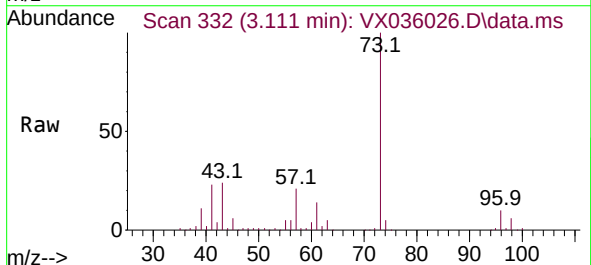
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

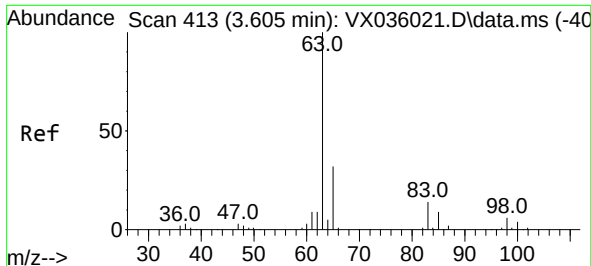
Tgt Ion: 96 Resp: 101474  
Ion Ratio Lower Upper  
96 100  
61 150.8 100.7 187.1  
98 63.8 43.4 80.6



#18  
Methyl tert-butyl Ether  
Concen: 48.916 ug/L  
RT: 3.111 min Scan# 332  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 73 Resp: 387318  
Ion Ratio Lower Upper  
73 100  
43 23.2 19.4 29.0  
57 21.5 17.5 26.3





#19

1,1-Dichloroethane

Concen: 46.357 ug/L

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTD050688

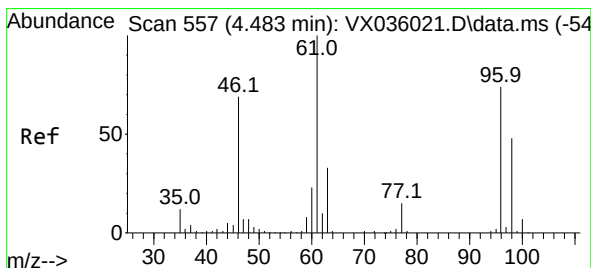
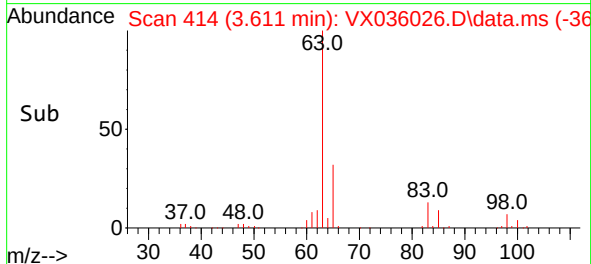
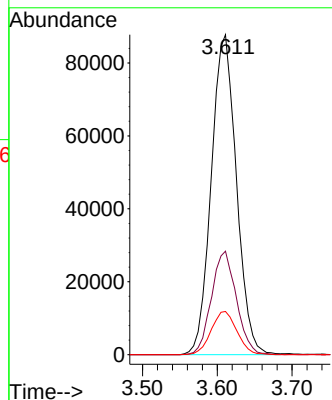
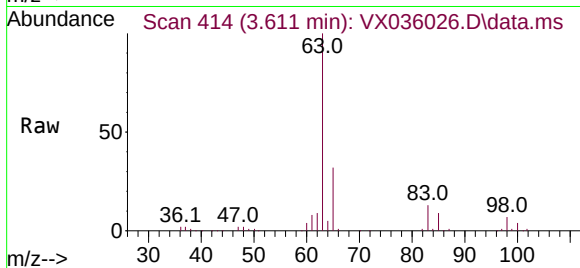
Tgt Ion: 63 Resp: 205677

Ion Ratio Lower Upper

63 100

65 32.4 22.6 42.0

83 13.5 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 46.267 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

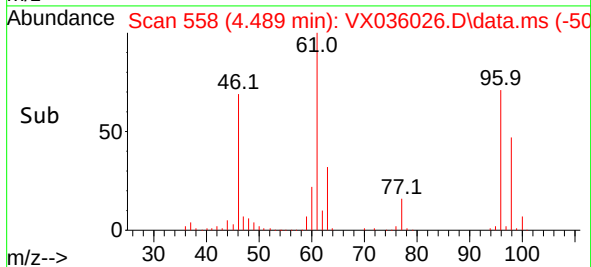
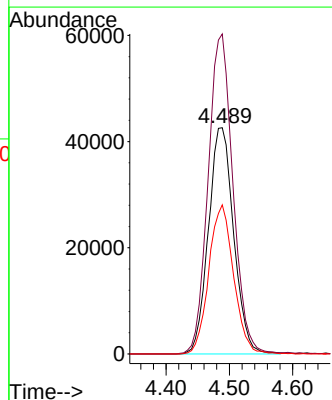
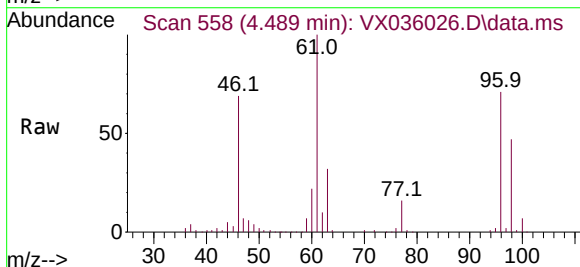
Tgt Ion: 96 Resp: 118139

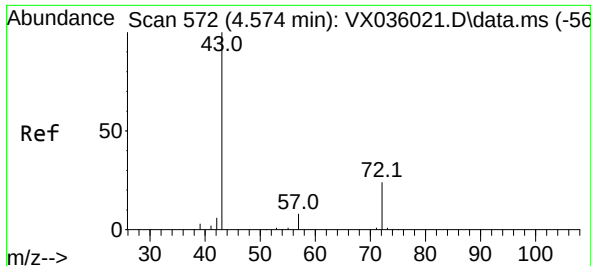
Ion Ratio Lower Upper

96 100

61 141.5 94.7 175.9

98 65.9 45.4 84.4

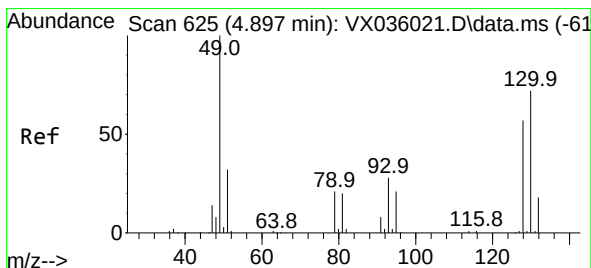
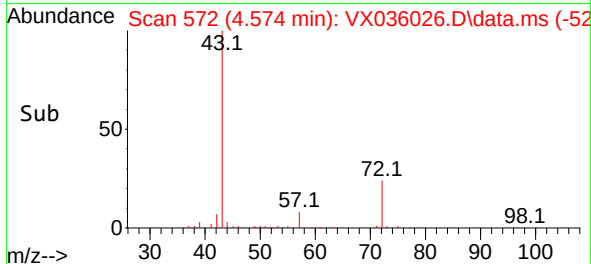
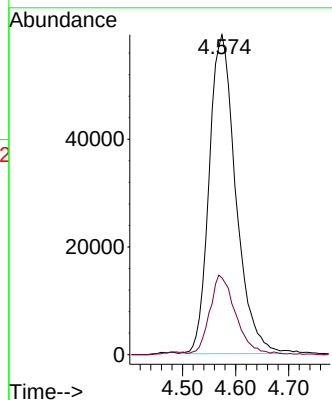
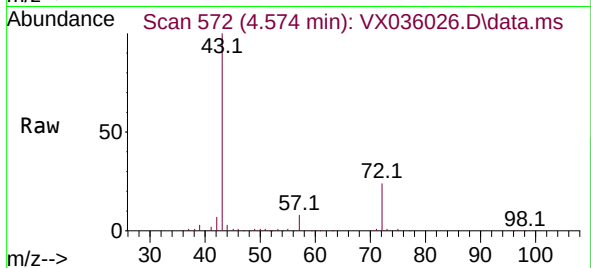




#22  
2-Butanone  
Concen: 94.117 ug/L  
RT: 4.574 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

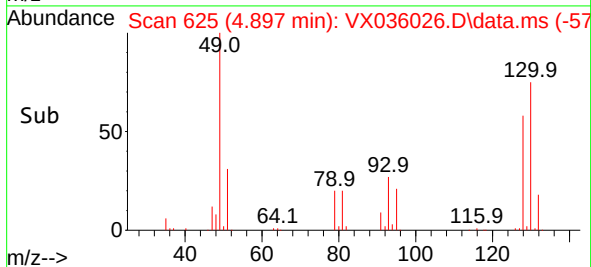
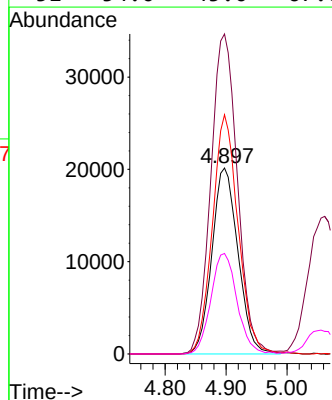
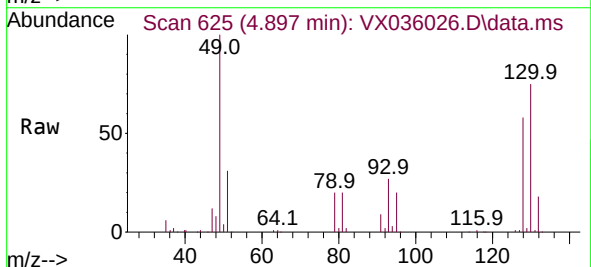
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

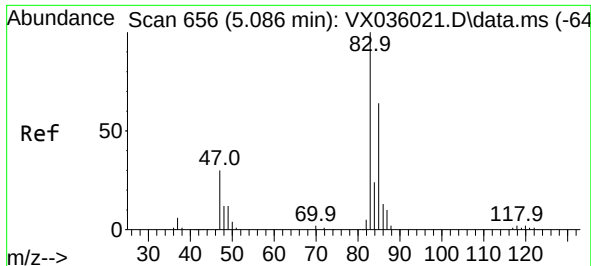
Tgt Ion: 43 Resp: 206752  
Ion Ratio Lower Upper  
43 100  
72 24.3 12.0 36.1



#23  
Bromochloromethane  
Concen: 47.380 ug/L  
RT: 4.897 min Scan# 625  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 128 Resp: 60046  
Ion Ratio Lower Upper  
128 100  
49 172.1 123.9 230.1  
130 128.6 88.3 164.1  
51 54.0 45.0 67.6

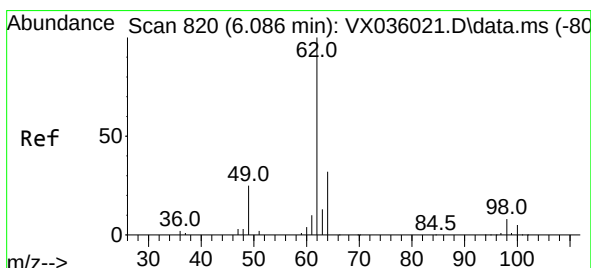
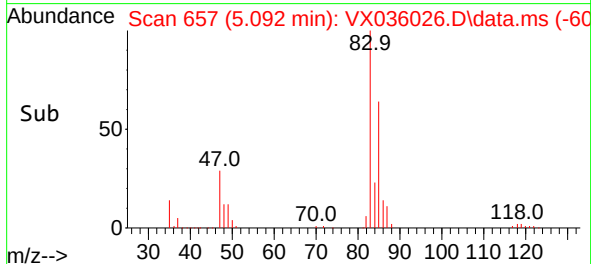
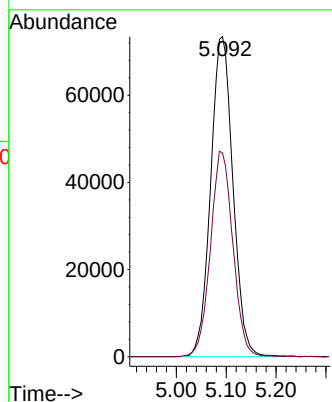
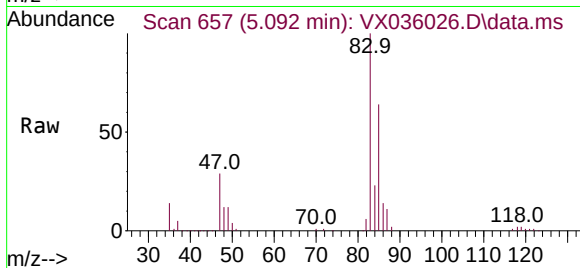




#25  
Chloroform  
Concen: 47.234 ug/L  
RT: 5.092 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

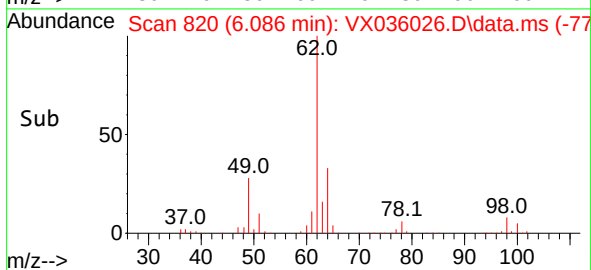
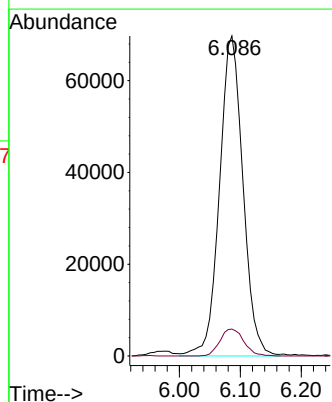
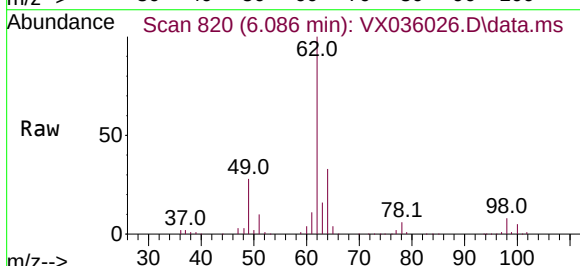
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

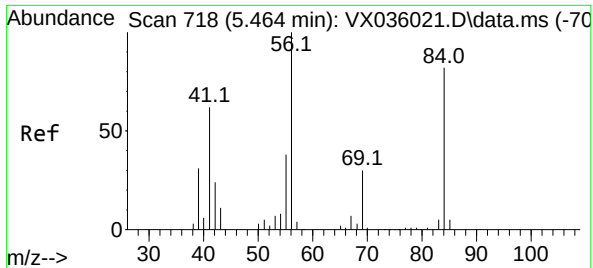
Tgt Ion: 83 Resp: 227968  
Ion Ratio Lower Upper  
83 100  
85 63.7 45.0 83.6



#27  
1,2-Dichloroethane  
Concen: 45.271 ug/L  
RT: 6.086 min Scan# 820  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 62 Resp: 186427  
Ion Ratio Lower Upper  
62 100  
98 8.4 6.4 9.6

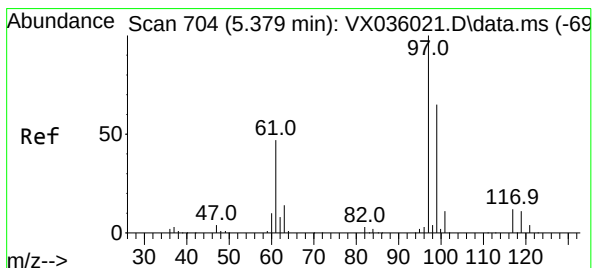
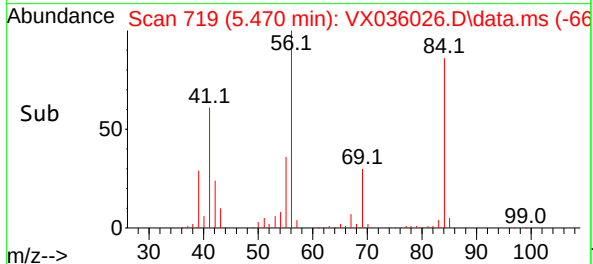
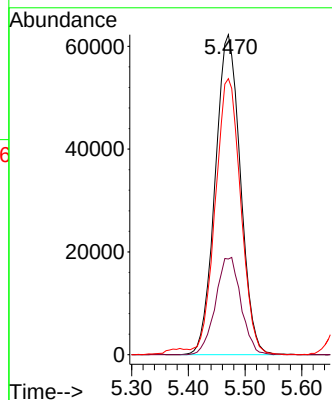
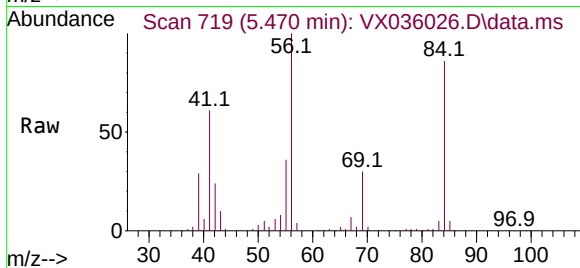




#29  
Cyclohexane  
Concen: 49.299 ug/L  
RT: 5.470 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

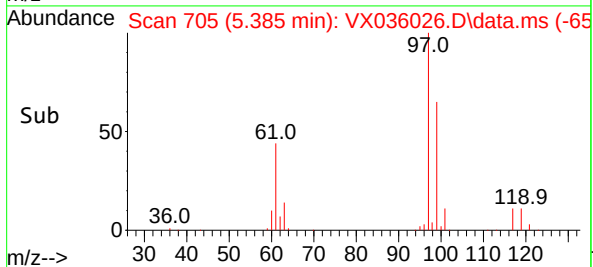
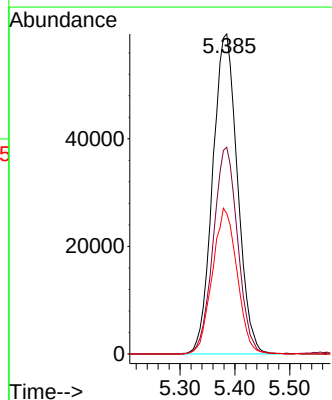
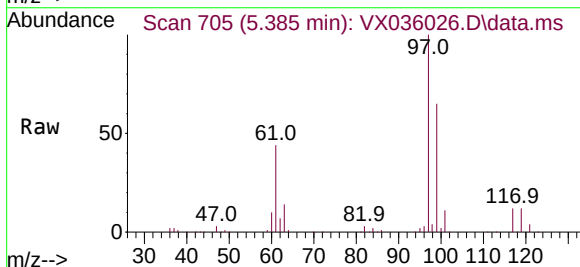
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

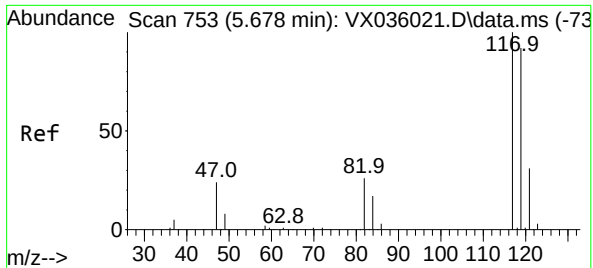
Tgt Ion: 56 Resp: 192218  
Ion Ratio Lower Upper  
56 100  
69 30.6 24.3 36.5  
84 87.1 68.4 102.6



#30  
1,1,1-Trichloroethane  
Concen: 48.024 ug/L  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 97 Resp: 186820  
Ion Ratio Lower Upper  
97 100  
99 63.6 51.9 77.9  
61 45.3 38.0 57.0

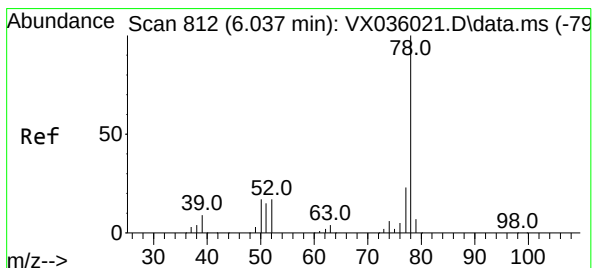
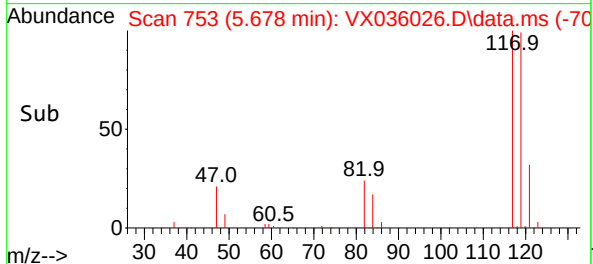
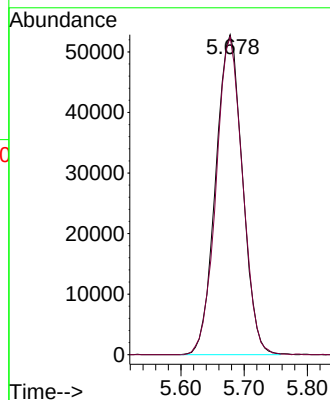
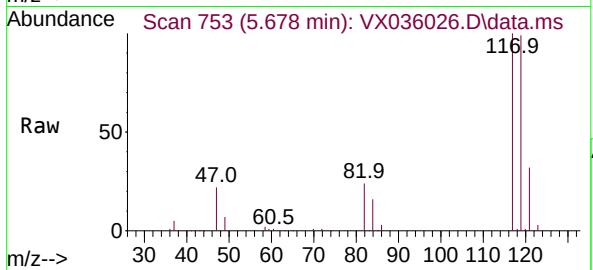




#31  
Carbon tetrachloride  
Concen: 48.220 ug/L  
RT: 5.678 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

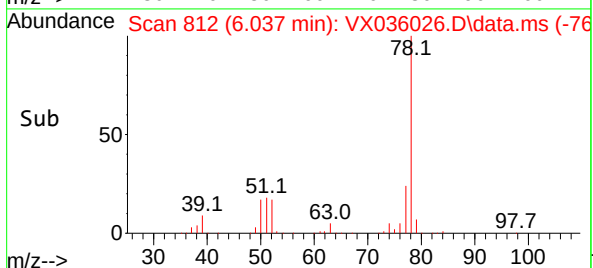
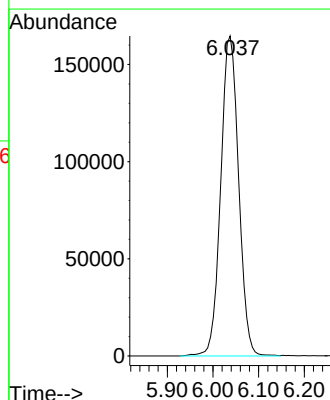
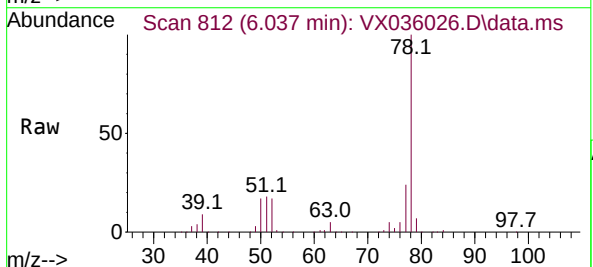
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MSVOA\_X  
ClientSampleId :  
VSTD050688

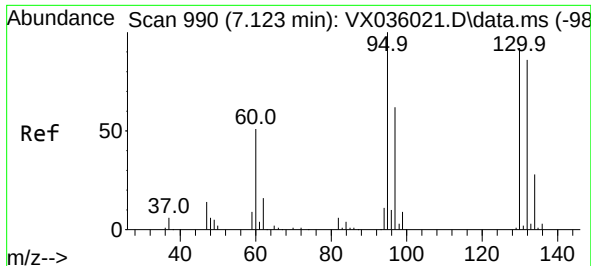
Tgt Ion:117 Resp: 155780  
Ion Ratio Lower Upper  
117 100  
119 97.7 76.9 115.3



#33  
Benzene  
Concen: 47.994 ug/L  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 78 Resp: 448856

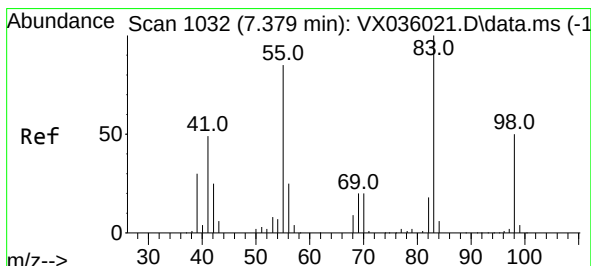
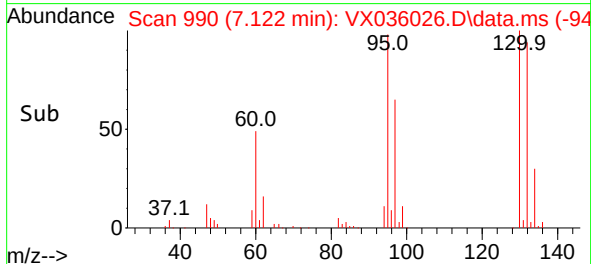
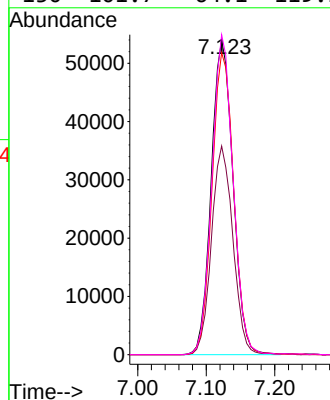
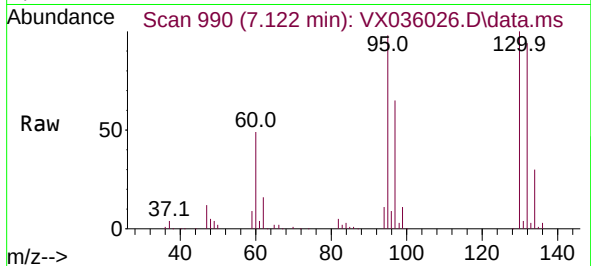




#34  
Trichloroethene  
Concen: 47.370 ug/L  
RT: 7.122 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

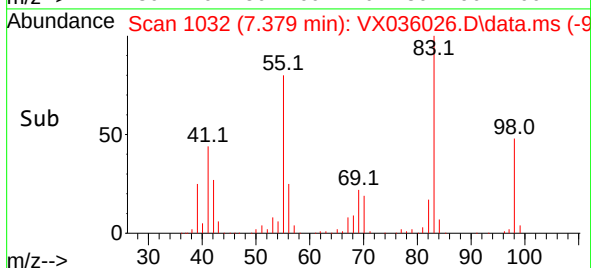
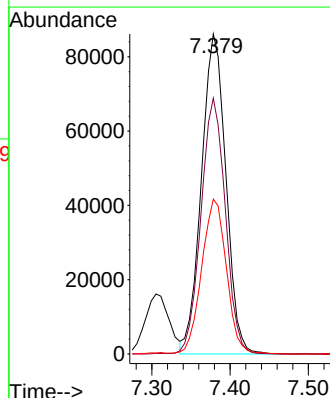
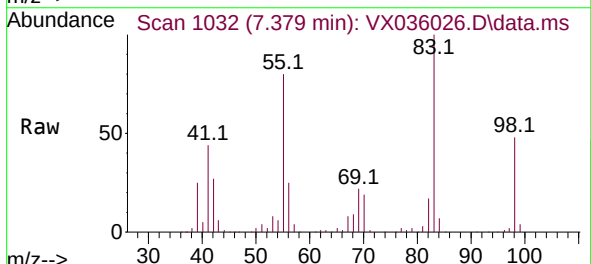
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

Tgt Ion: 95 Resp: 119317  
Ion Ratio Lower Upper  
95 100  
97 66.3 43.6 81.0  
132 96.0 59.9 111.3  
130 101.7 64.1 119.1

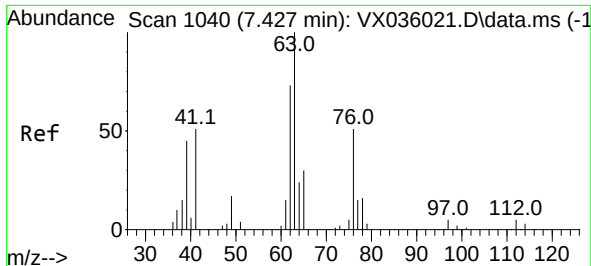


#35  
Methylcyclohexane  
Concen: 50.562 ug/L  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 83 Resp: 186962  
Ion Ratio Lower Upper  
83 100  
55 79.5 65.4 98.2  
98 49.0 39.0 58.6







#37

1,2-Dichloropropane

Concen: 48.600 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

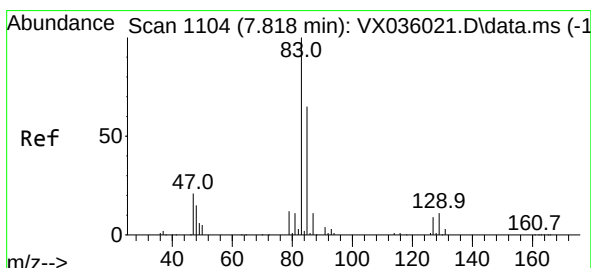
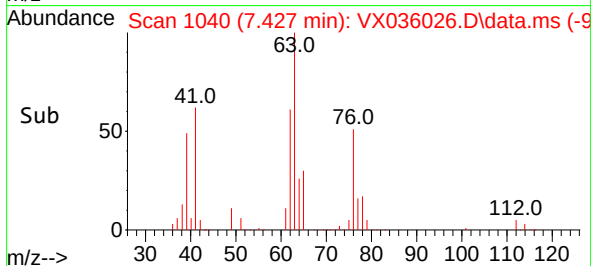
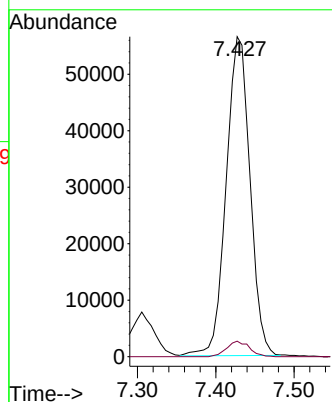
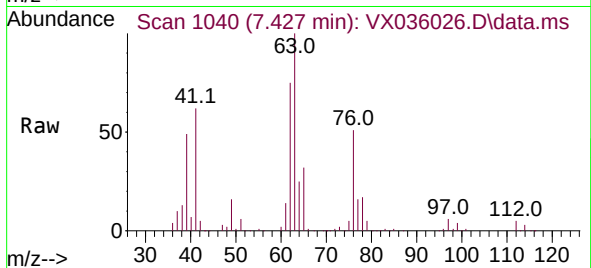
VSTD050688

Tgt Ion: 63 Resp: 119291

Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3



#38

Bromodichloromethane

Concen: 47.915 ug/L

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

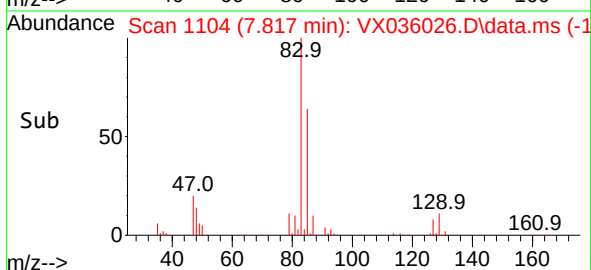
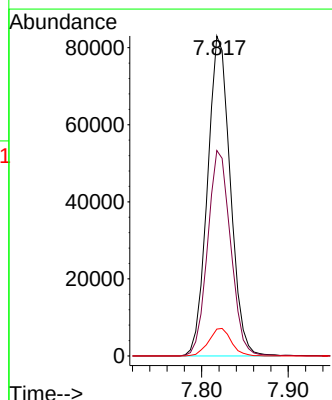
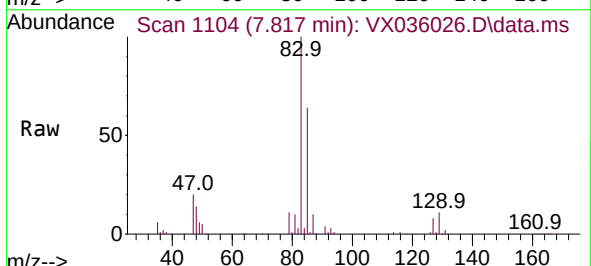
Tgt Ion: 83 Resp: 151625

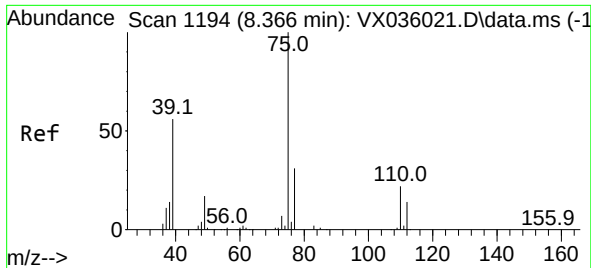
Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

127 8.4 7.0 10.6

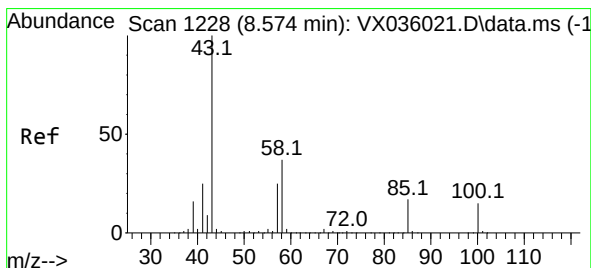
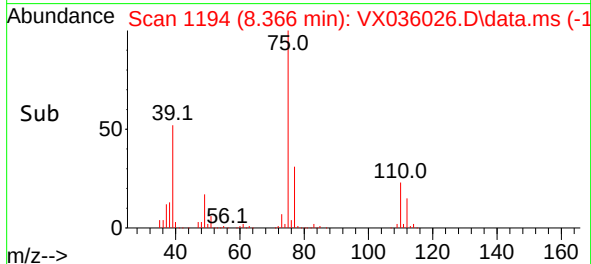
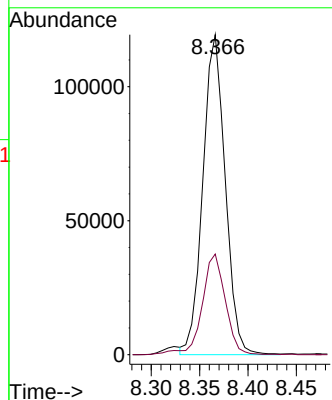
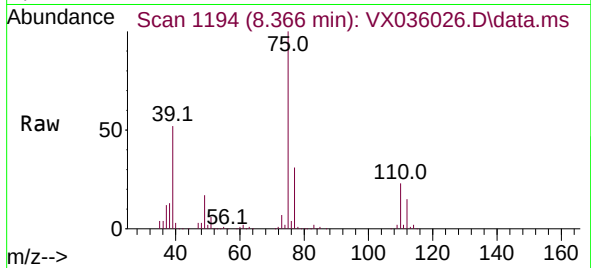




#39  
 cis-1,3-Dichloropropene  
 Concen: 50.139 ug/L  
 RT: 8.366 min Scan# 1194  
 Delta R.T. -0.000 min  
 Lab File: VX036026.D  
 Acq: 06 Jun 2023 12:11

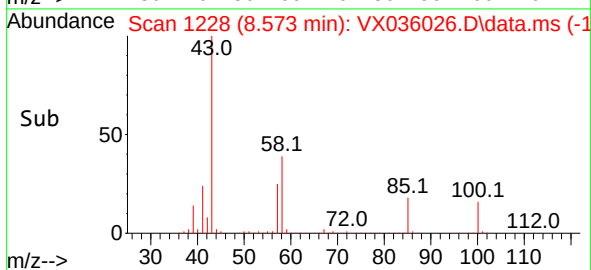
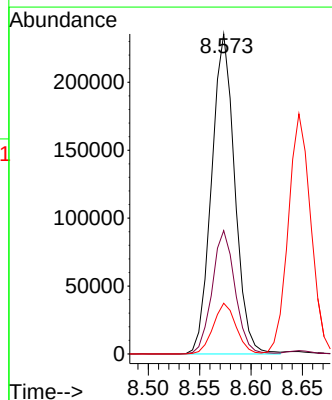
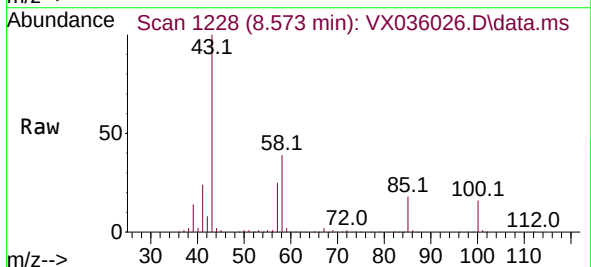
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050688

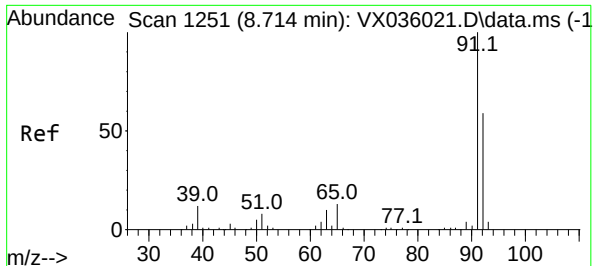
Tgt Ion: 75 Resp: 192283  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 21.9 40.7



#40  
 4-Methyl-2-pentanone  
 Concen: 99.745 ug/L  
 RT: 8.573 min Scan# 1228  
 Delta R.T. -0.000 min  
 Lab File: VX036026.D  
 Acq: 06 Jun 2023 12:11

Tgt Ion: 43 Resp: 368725  
 Ion Ratio Lower Upper  
 43 100  
 58 38.2 29.4 44.2  
 100 15.7 11.8 17.6





#42

Toluene

Concen: 48.838 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

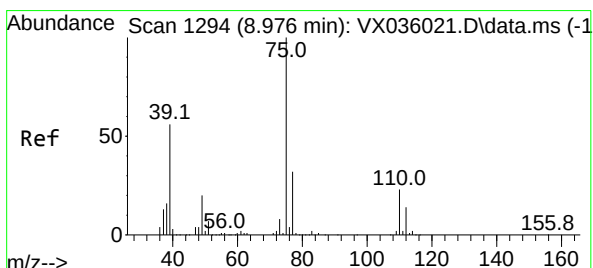
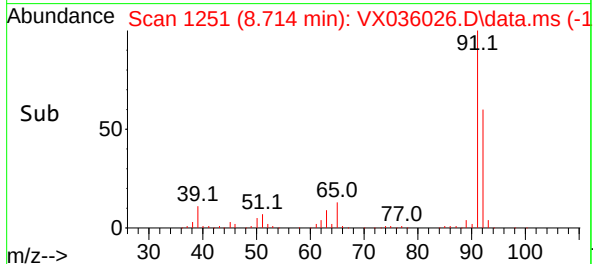
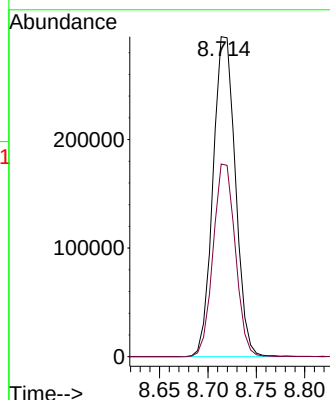
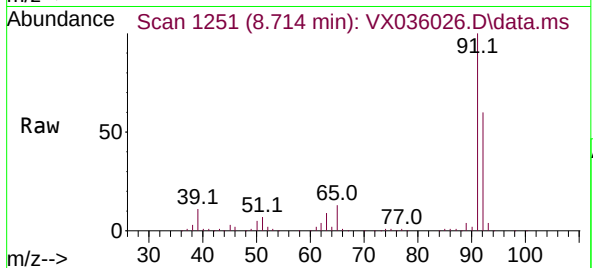
VSTD050688

Tgt Ion: 91 Resp: 475039

Ion Ratio Lower Upper

91 100

92 60.2 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 50.336 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX036026.D

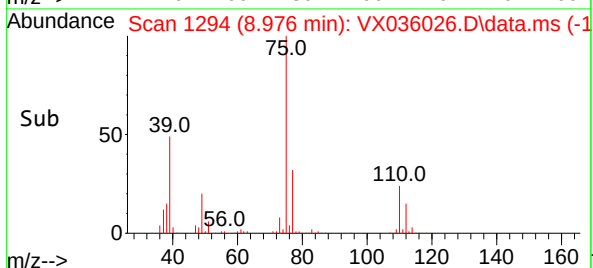
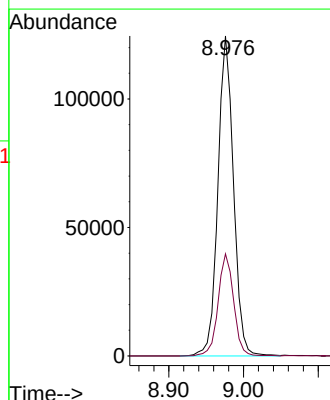
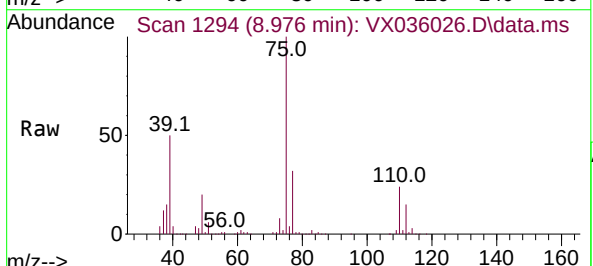
Acq: 06 Jun 2023 12:11

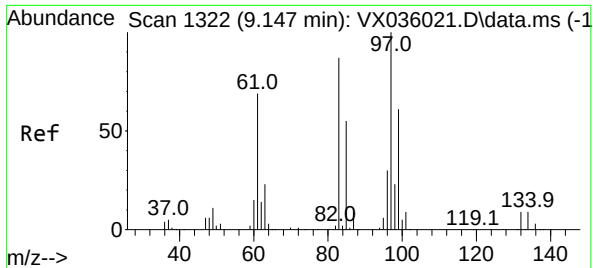
Tgt Ion: 75 Resp: 180762

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 49.042 ug/L

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTD050688

Tgt Ion: 97 Resp: 117812

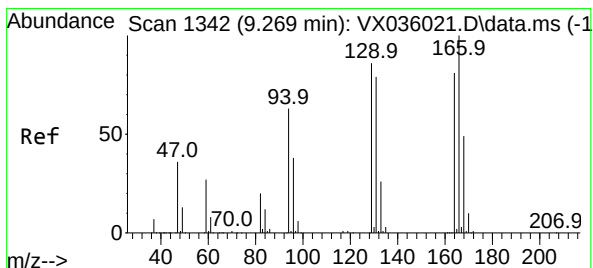
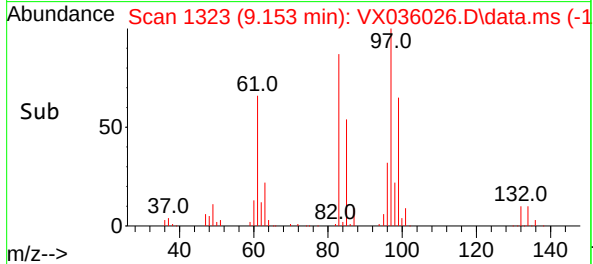
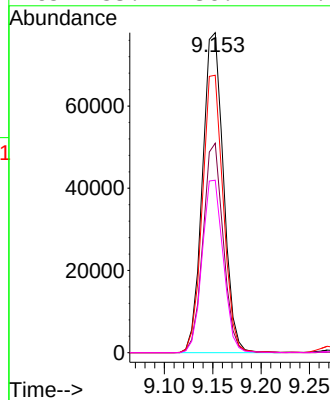
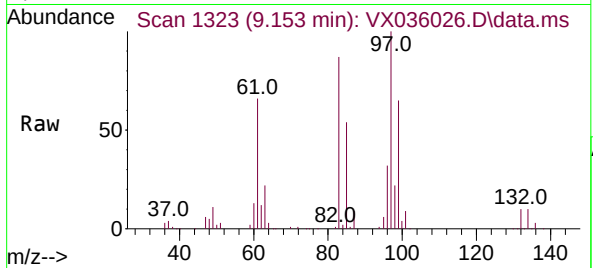
Ion Ratio Lower Upper

97 100

99 65.4 42.9 79.7

83 86.7 61.0 113.2

85 53.9 38.7 71.9



#46

Tetrachloroethene

Concen: 49.896 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Tgt Ion:164 Resp: 87887

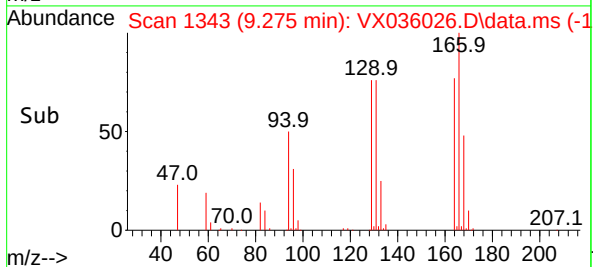
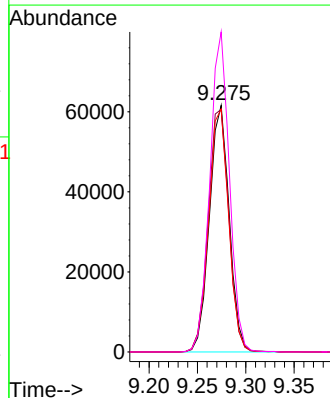
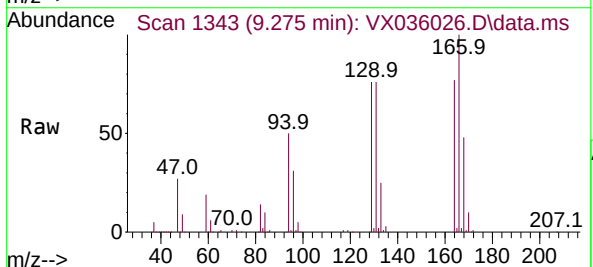
Ion Ratio Lower Upper

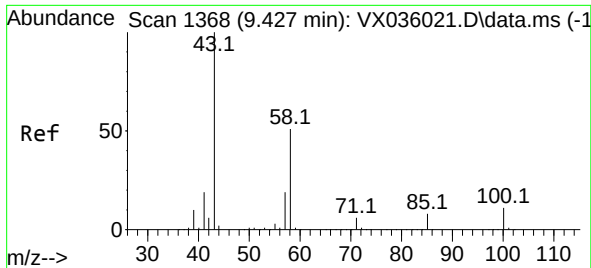
164 100

129 98.4 74.8 139.0

131 98.5 68.9 127.9

166 129.8 86.8 161.2

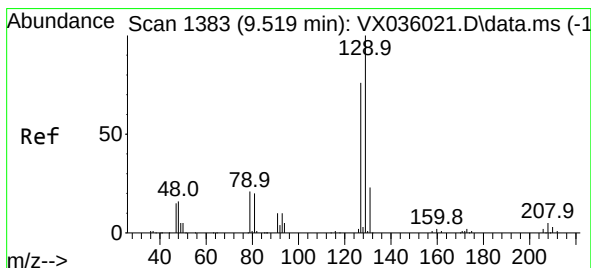
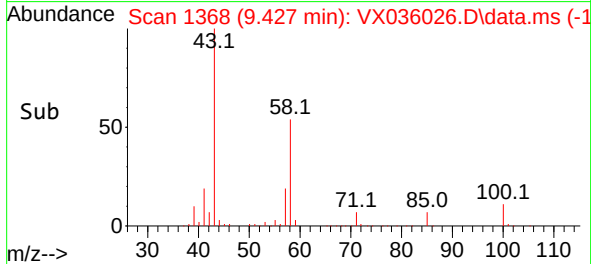
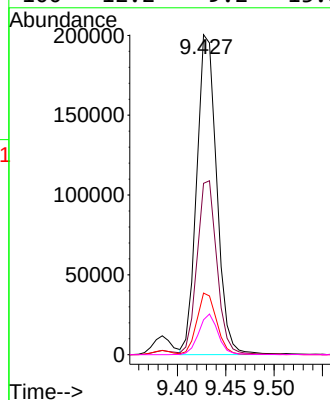
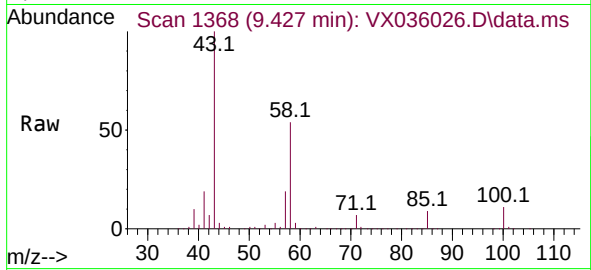




#48  
2-Hexanone  
Concen: 99.191 ug/L  
RT: 9.427 min Scan# 1368  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

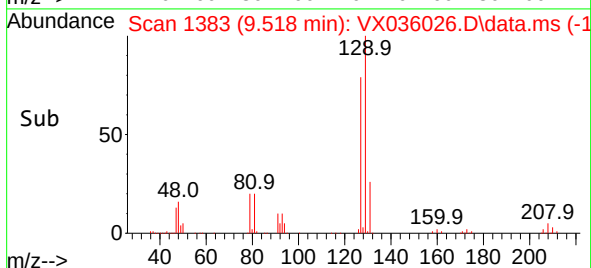
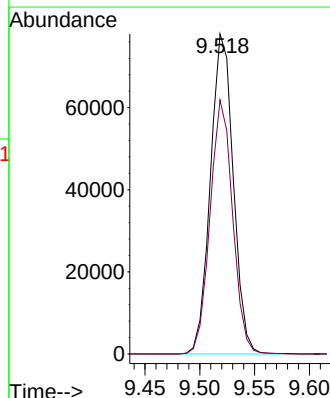
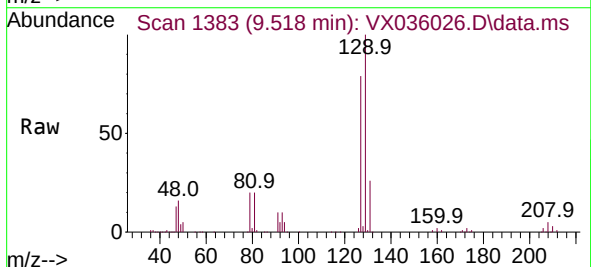
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

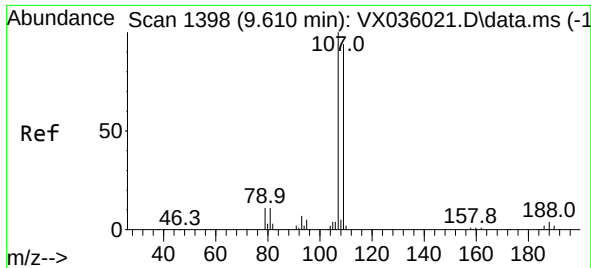
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 289332 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 53.7  | 41.0  | 61.6   |
| 57       | 19.1  | 15.2  | 22.8   |
| 100      | 12.2  | 9.2   | 13.8   |



#49  
Dibromochloromethane  
Concen: 49.574 ug/L  
RT: 9.518 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 112993 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 79.3  | 53.3  | 98.9   |





#50

1,2-Dibromoethane

Concen: 50.568 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTD050688

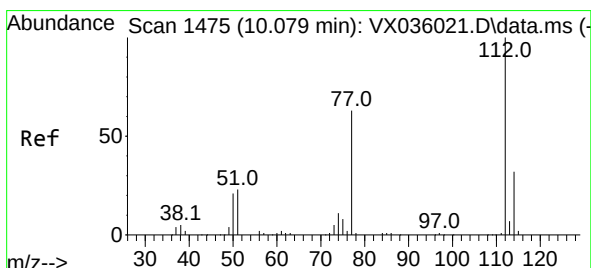
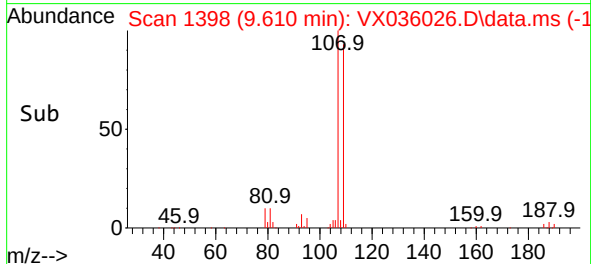
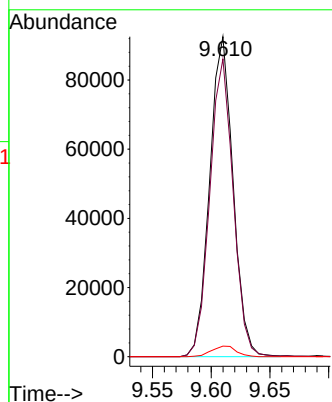
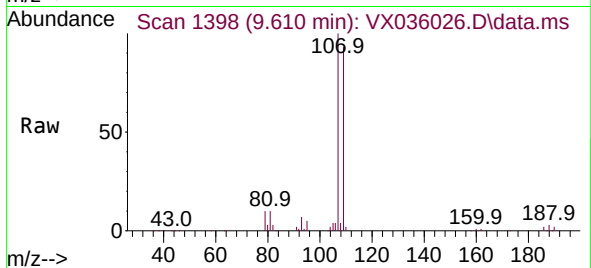
Tgt Ion:107 Resp: 128360

Ion Ratio Lower Upper

107 100

109 93.0 66.1 122.8

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 47.969 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

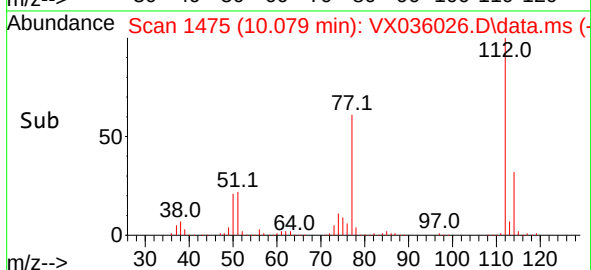
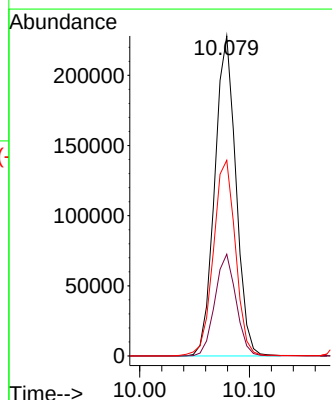
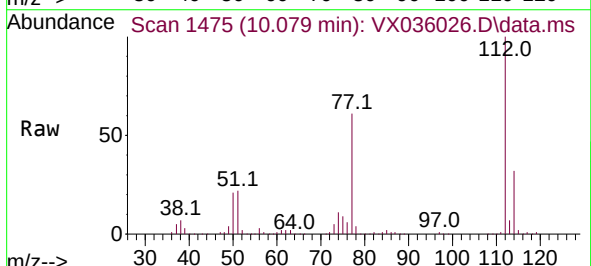
Tgt Ion:112 Resp: 306975

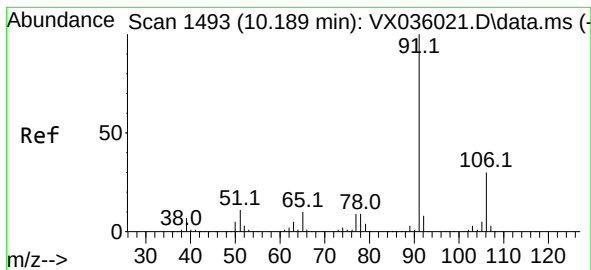
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

77 61.1 50.6 75.8

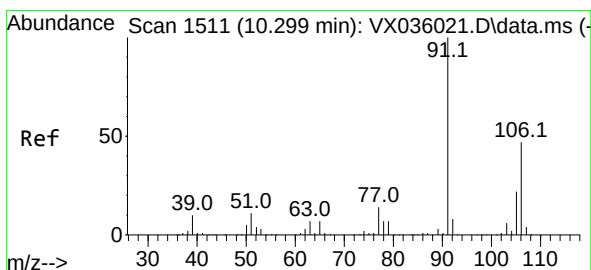
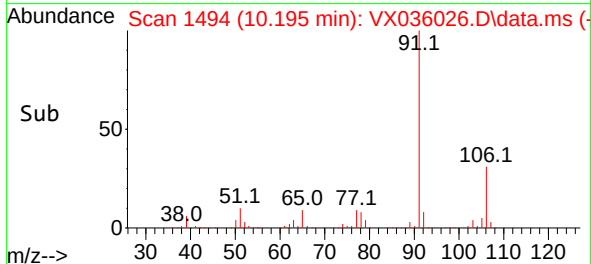
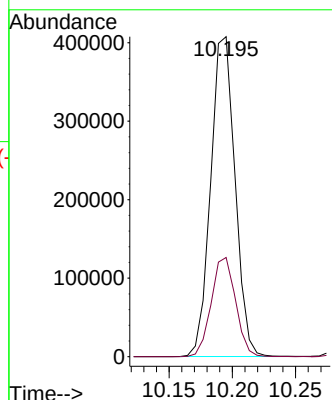
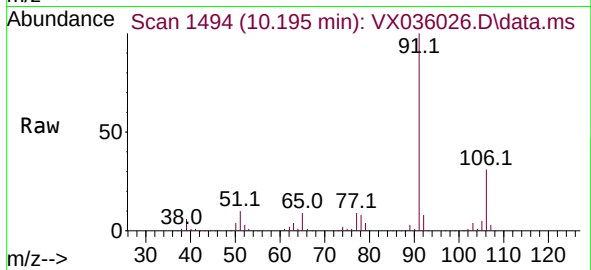




#52  
Ethylbenzene  
Concen: 48.702 ug/L  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

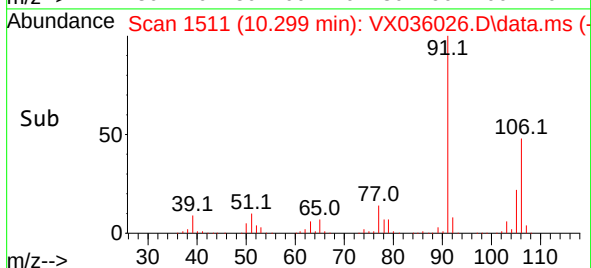
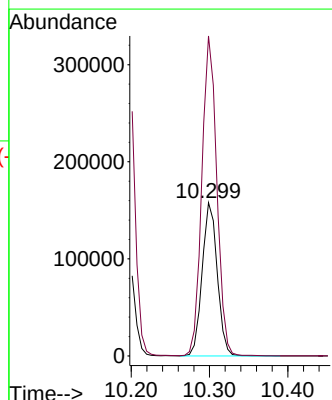
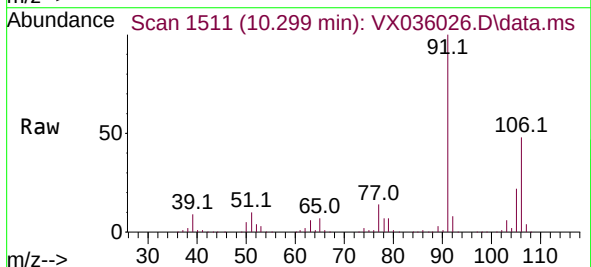
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

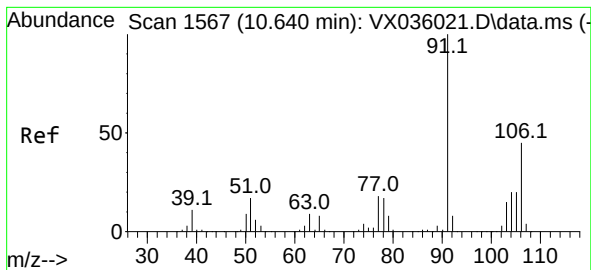
Tgt Ion: 91 Resp: 545595  
Ion Ratio Lower Upper  
91 100  
106 31.0 20.8 38.6



#53  
m,p-Xylene  
Concen: 49.672 ug/L  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 106 Resp: 211033  
Ion Ratio Lower Upper  
106 100  
91 208.7 149.8 278.2





#54

o-Xylene

Concen: 49.146 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

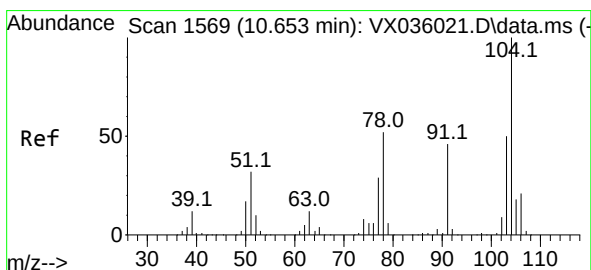
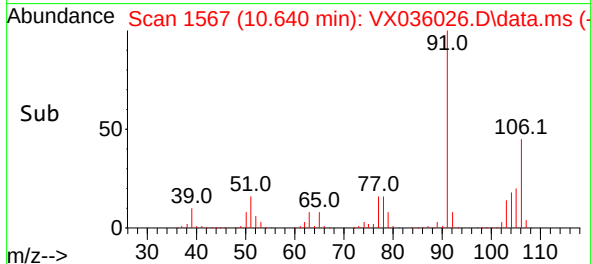
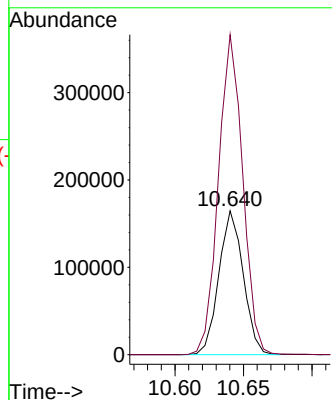
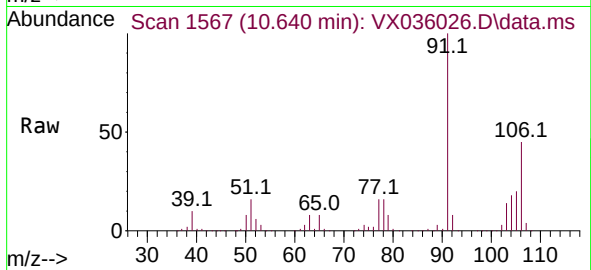
VSTD050688

Tgt Ion:106 Resp: 204087

Ion Ratio Lower Upper

106 100

91 222.4 156.9 291.5



#55

Styrene

Concen: 49.569 ug/L

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX036026.D

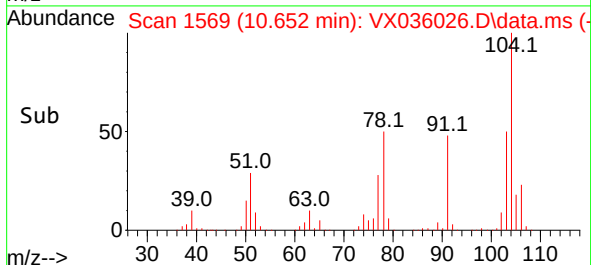
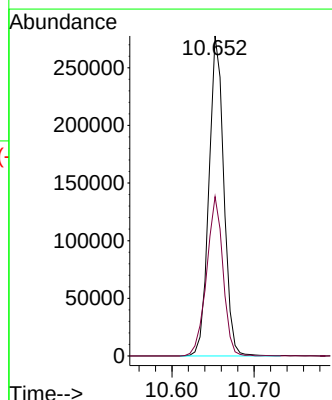
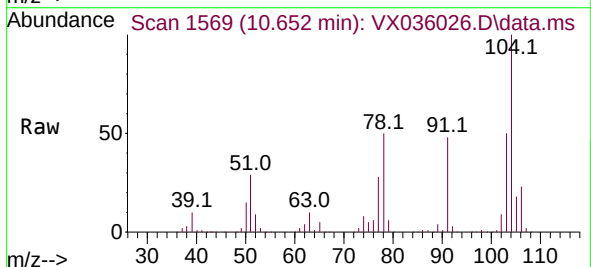
Acq: 06 Jun 2023 12:11

Tgt Ion:104 Resp: 349838

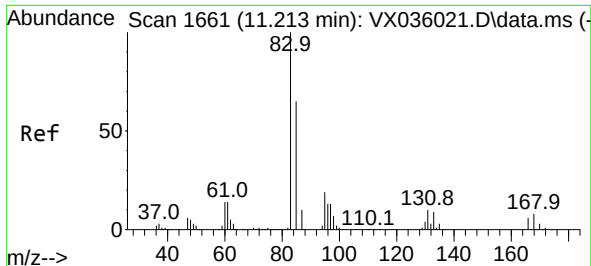
Ion Ratio Lower Upper

104 100

78 49.8 36.1 67.1



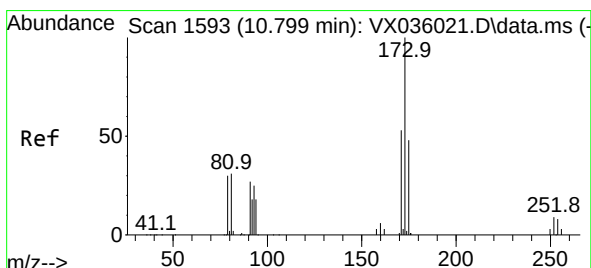
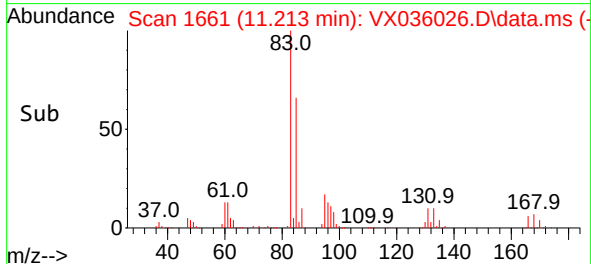
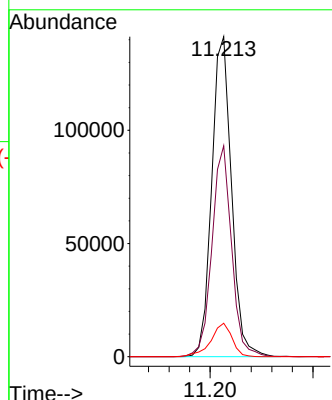
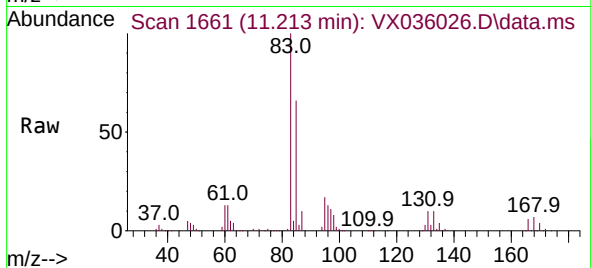




#57  
1,1,2,2-Tetrachloroethane  
Concen: 49.864 ug/L  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

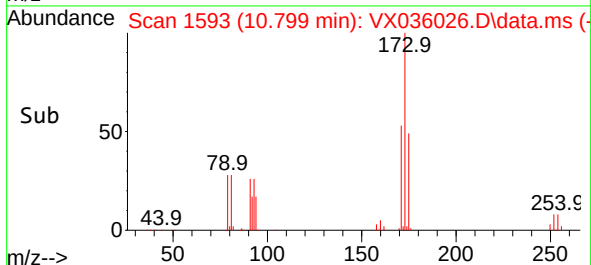
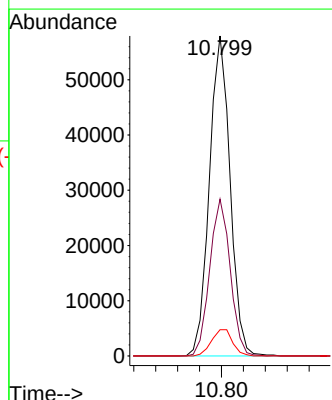
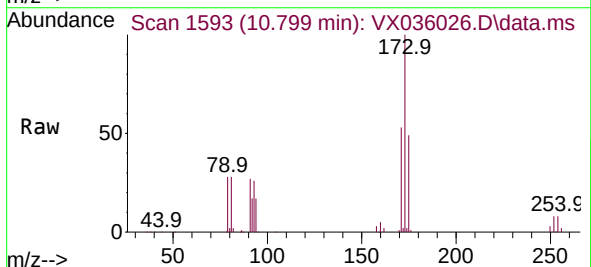
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

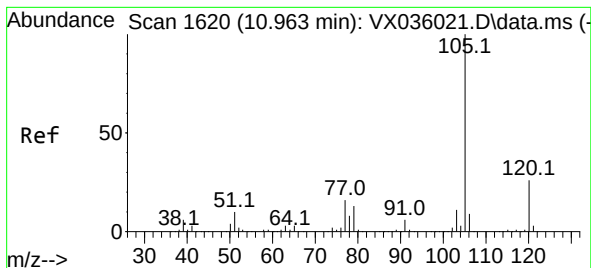
Tgt Ion: 83 Resp: 188279  
Ion Ratio Lower Upper  
83 100  
85 65.9 45.6 84.8  
131 10.4 8.1 12.1



#59  
Bromoform  
Concen: 48.040 ug/L  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion: 173 Resp: 75996  
Ion Ratio Lower Upper  
173 100  
175 48.5 38.2 57.2  
254 8.4 6.6 10.0





#60

Isopropylbenzene

Concen: 47.074 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTD050688

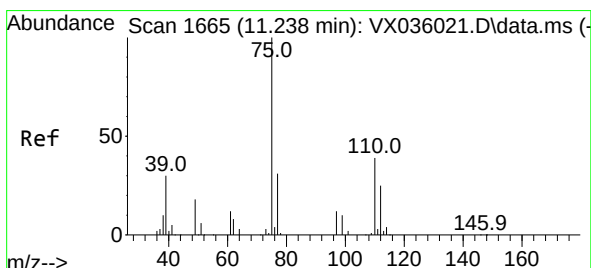
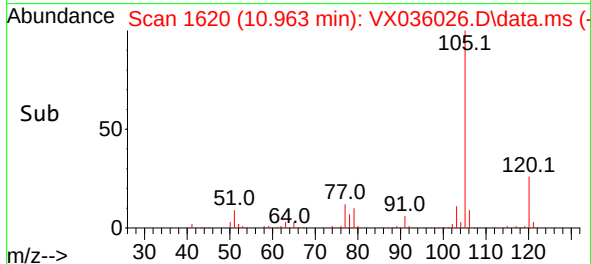
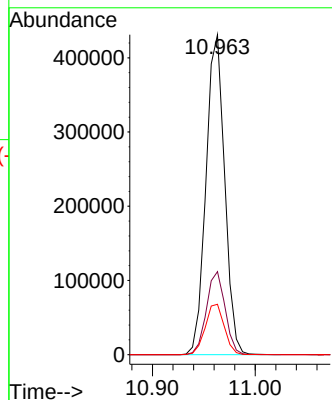
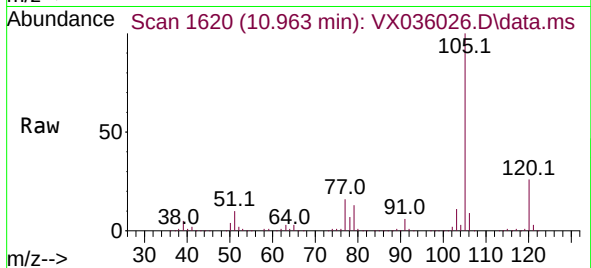
Tgt Ion:105 Resp: 545256

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 16.2 13.7 20.5



#61

1,2,3-Trichloropropane

Concen: 46.774 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

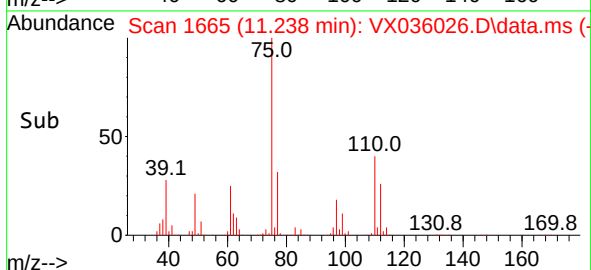
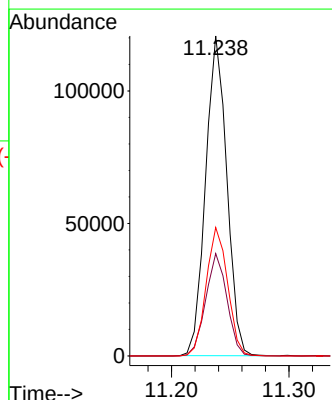
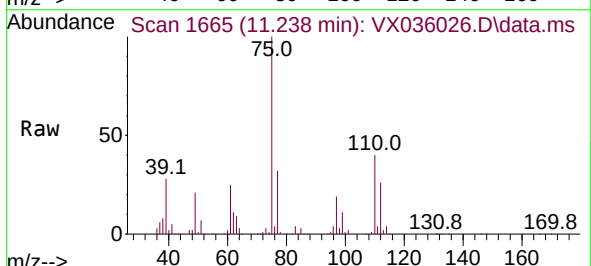
Tgt Ion: 75 Resp: 151345

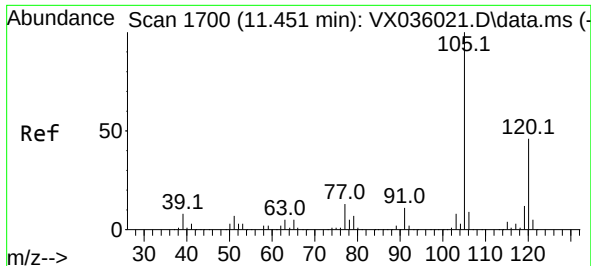
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

110 40.6 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 47.453 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

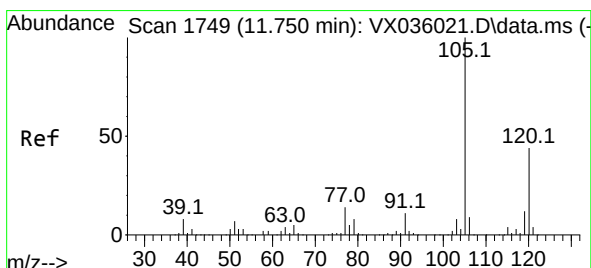
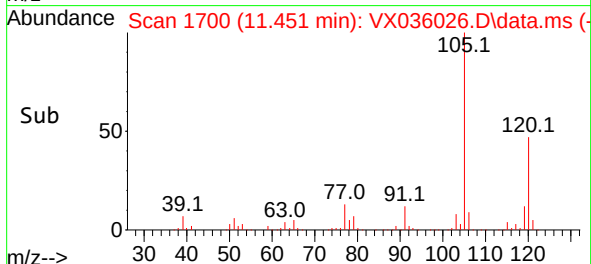
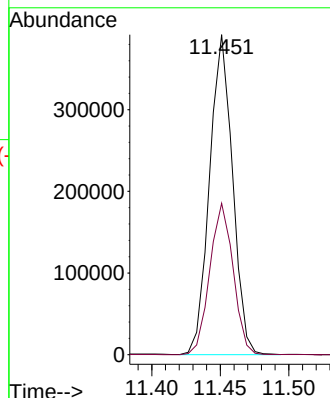
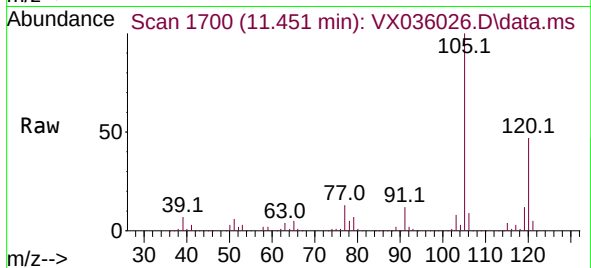
VSTD050688

Tgt Ion:105 Resp: 457149

Ion Ratio Lower Upper

105 100

120 48.0 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 47.725 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX036026.D

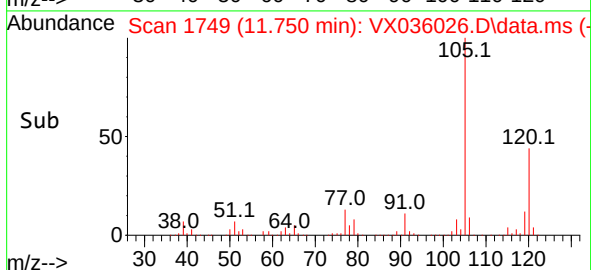
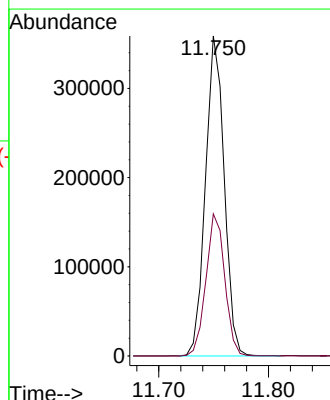
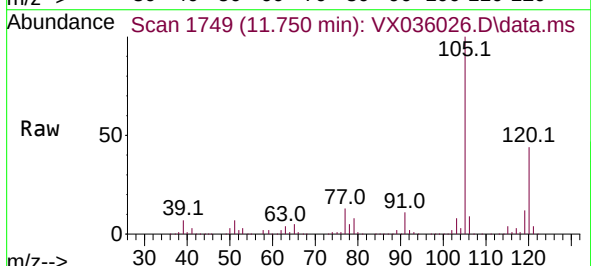
Acq: 06 Jun 2023 12:11

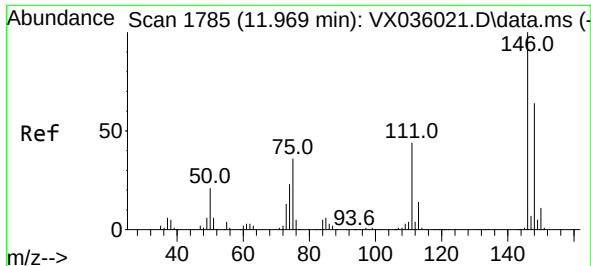
Tgt Ion:105 Resp: 425462

Ion Ratio Lower Upper

105 100

120 44.6 35.0 52.6

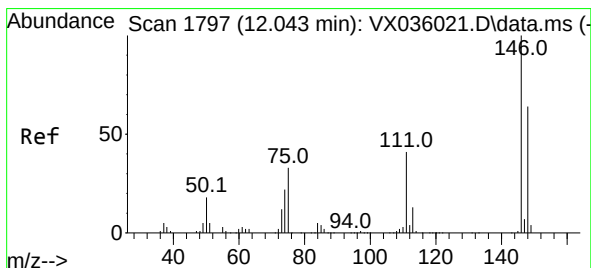
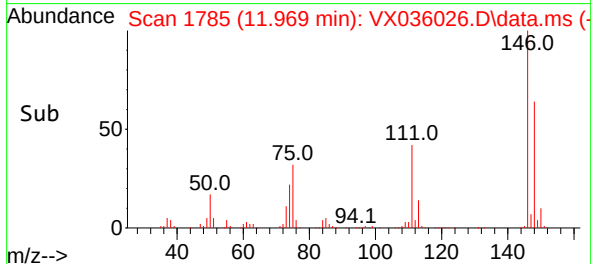
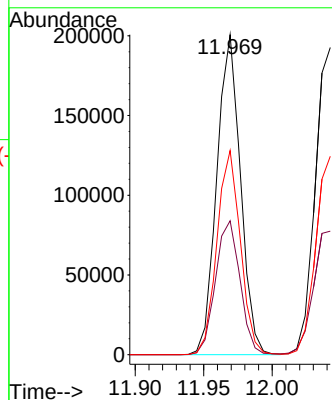
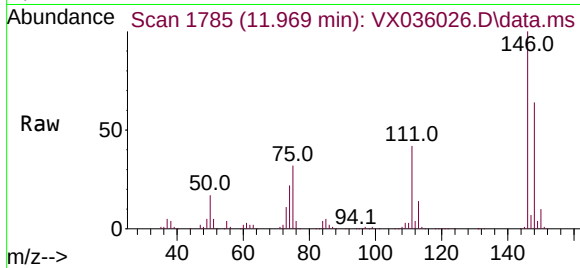




#64  
1,3-Dichlorobenzene  
Concen: 48.066 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

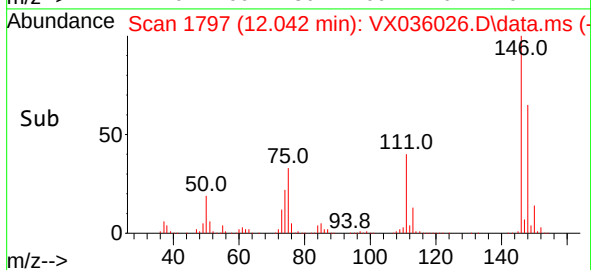
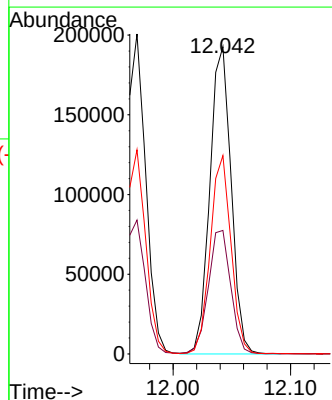
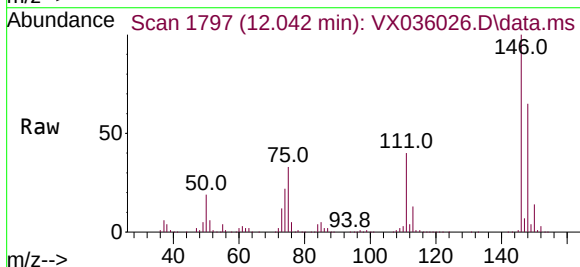
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

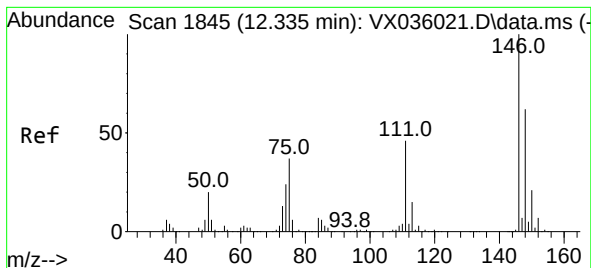
Tgt Ion:146 Resp: 241093  
Ion Ratio Lower Upper  
146 100  
111 41.9 30.9 57.3  
148 63.8 45.1 83.9



#65  
1,4-Dichlorobenzene  
Concen: 47.313 ug/L  
RT: 12.042 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion:146 Resp: 242744  
Ion Ratio Lower Upper  
146 100  
111 40.2 28.8 53.4  
148 64.6 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 48.168 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTD050688

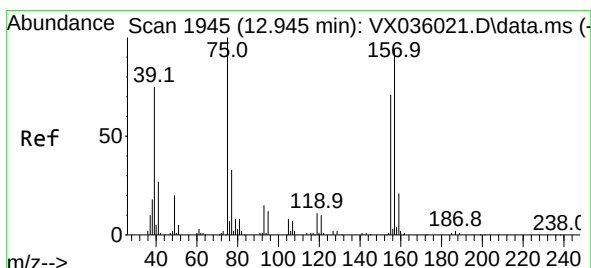
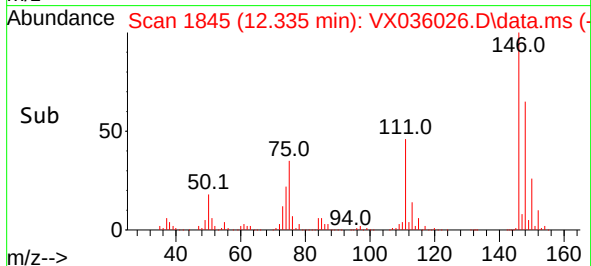
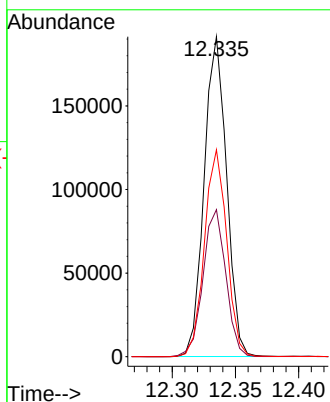
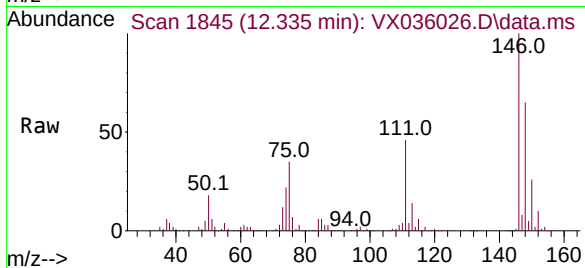
Tgt Ion:146 Resp: 236015

Ion Ratio Lower Upper

146 100

111 45.9 37.0 55.4

148 64.7 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 48.398 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. -0.000 min

Lab File: VX036026.D

Acq: 06 Jun 2023 12:11

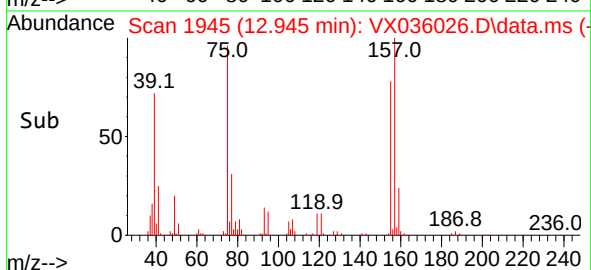
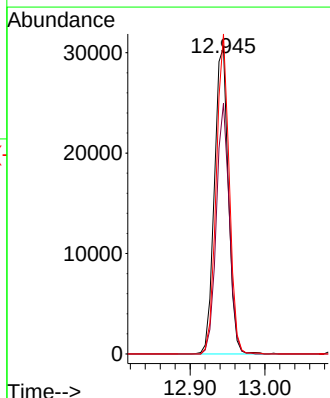
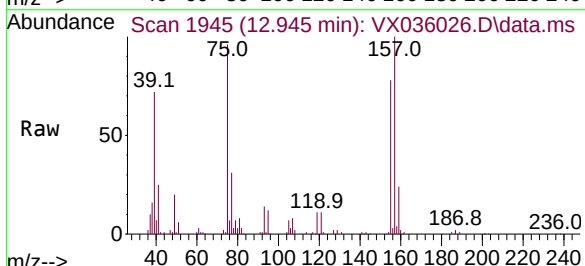
Tgt Ion: 75 Resp: 39549

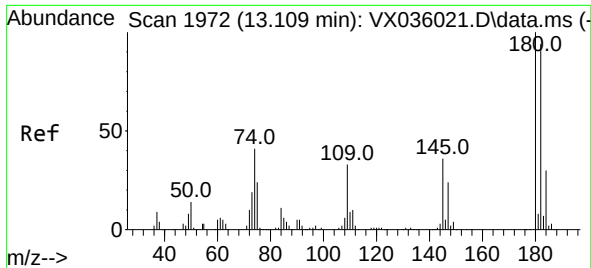
Ion Ratio Lower Upper

75 100

155 81.7 57.0 85.6

157 104.3 75.2 112.8

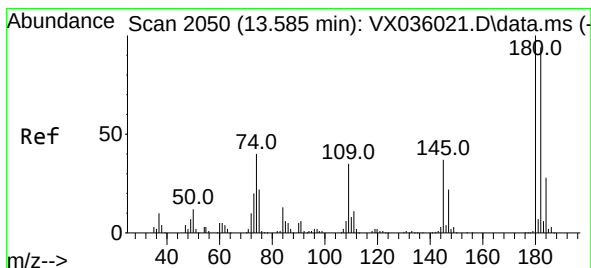
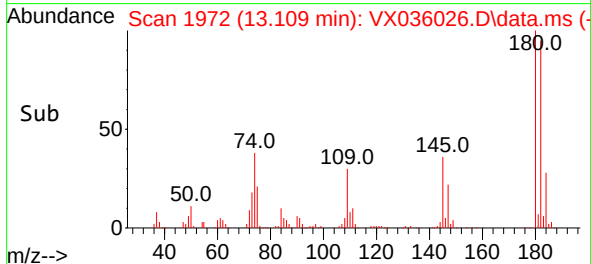
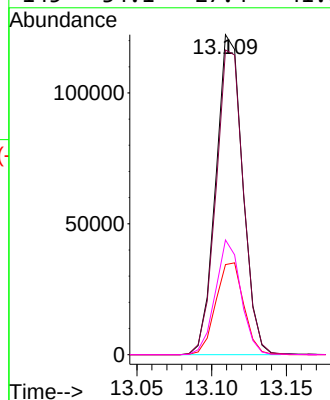
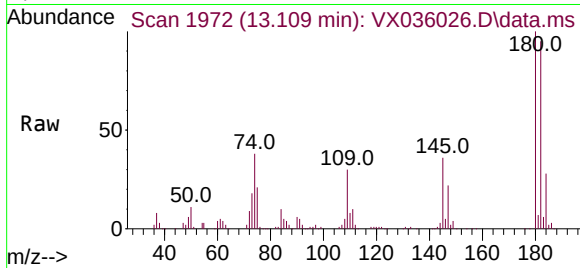




#69  
1,3,5-Trichlorobenzene  
Concen: 49.805 ug/L  
RT: 13.109 min Scan# 1972  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

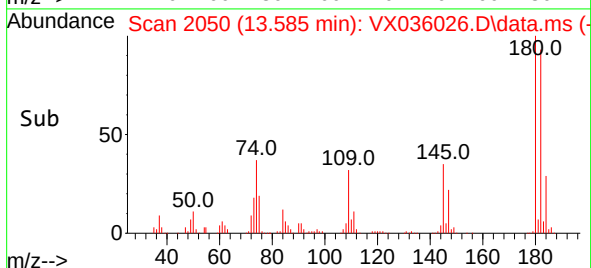
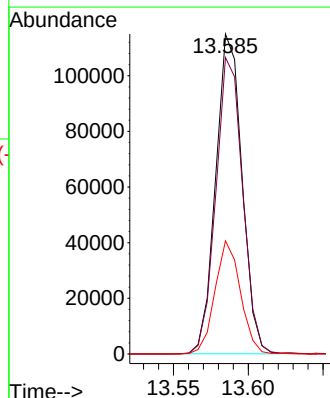
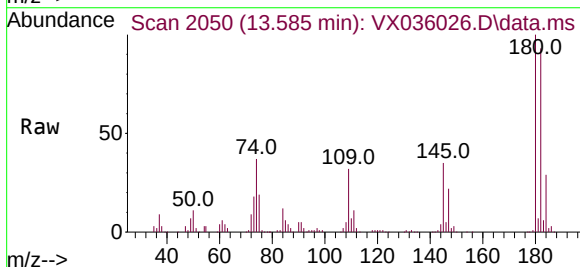
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

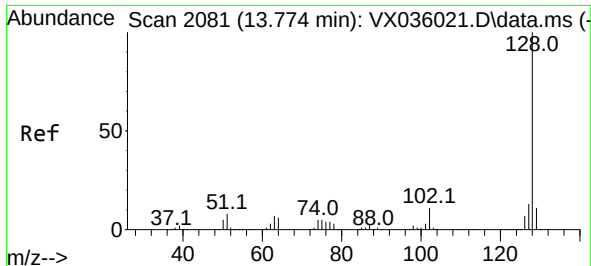
Tgt Ion:180 Resp: 152905  
Ion Ratio Lower Upper  
180 100  
182 96.9 76.0 114.0  
184 29.9 23.8 35.8  
145 34.1 27.4 41.0



#70  
1,2,4-trichlorobenzene  
Concen: 50.177 ug/L  
RT: 13.585 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion:180 Resp: 140717  
Ion Ratio Lower Upper  
180 100  
182 94.5 74.6 112.0  
145 34.2 28.6 42.8

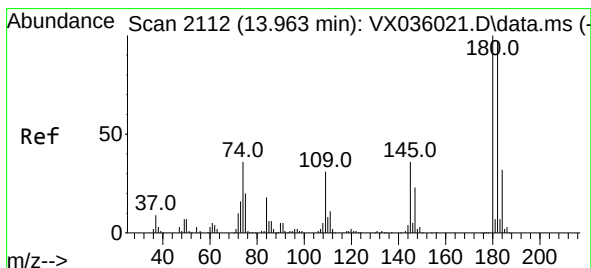
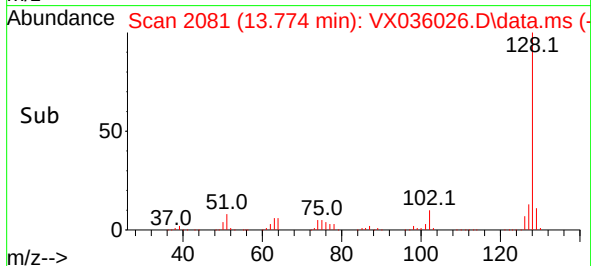
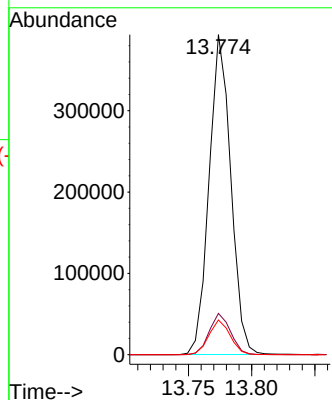
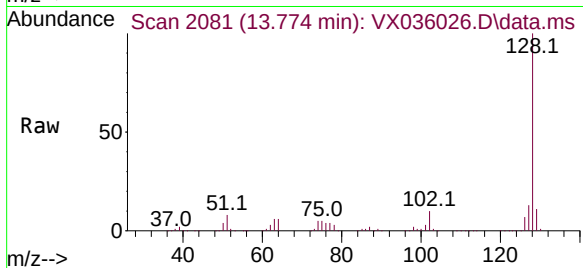




#71  
Naphthalene  
Concen: 50.856 ug/L  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050688

Tgt Ion:128 Resp: 469064  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.4  
129 10.6 8.9 13.3



#72  
1,2,3-Trichlorobenzene  
Concen: 48.646 ug/L  
RT: 13.963 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: VX036026.D  
Acq: 06 Jun 2023 12:11

Tgt Ion:180 Resp: 135655  
Ion Ratio Lower Upper  
180 100  
182 97.5 75.4 113.2  
145 36.7 29.4 44.0

