

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
 Data File : VX039275.D  
 Acq On : 16 Dec 2023 09:14  
 Operator : JC/MD  
 Sample : 05845-14MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHE9MS

Quant Time: Dec 16 20:17:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 12 03:50:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 196890   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 184141   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018  | 152   | 92828    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 74753    | 48.406   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 96.820%  |
| 7) Chloroethane-d5            | 1.666   | 69    | 55586    | 48.697   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 97.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.307   | 65    | 36801    | 54.288   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 108.580% |
| 21) 2-Butanone-d5             | 4.446   | 46    | 138273   | 98.915   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 98.920%  |
| 24) Chloroform-d              | 5.056   | 84    | 152494   | 55.782   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 111.560% |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 100270   | 56.635   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 113.260% |
| 32) Benzene-d6                | 5.977   | 84    | 296158   | 52.113   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.220% |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 94875    | 51.876   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 103.760% |
| 41) Toluene-d8                | 8.647   | 98    | 267376   | 51.917   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 103.840% |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 44885    | 48.227   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.460%  |
| 47) 2-Hexanone-d5             | 9.385   | 63    | 102814   | 94.123   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 94.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 135333   | 52.162   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 104.320% |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 91060    | 51.897   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 103.800% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 84685    | 53.934   | ug/L   | 98       |
| 3) Chloromethane              | 1.295   | 50    | 82822    | 50.466   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.374   | 62    | 78771    | 48.700   | ug/L   | 100      |
| 6) Bromomethane               | 1.605   | 94    | 44424    | 50.883   | ug/L   | 96       |
| 8) Chloroethane               | 1.691   | 64    | 45237    | 49.470   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.886   | 101   | 111701   | 53.285   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331   | 101   | 71308    | 52.882   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 66933    | 52.770   | ug/L   | 92       |
| 13) Acetone                   | 2.374   | 43    | 450554   | 335.504  | ug/L   | 96       |
| 14) Carbon disulfide          | 2.514   | 76    | 193932   | 48.048   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.703   | 43    | 74378    | 38.749   | ug/L   | 99       |
| 16) Methylene chloride        | 2.788   | 84    | 77142    | 52.935   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 3.093   | 96    | 69637    | 52.107   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 248980   | 53.523   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.611   | 63    | 139549   | 52.810   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.483   | 96    | 80145    | 51.703   | ug/L   | 97       |
| 22) 2-Butanone                | 4.550   | 43    | 210939   | 127.989  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.898   | 128   | 37272    | 51.151   | ug/L   | 96       |
| 25) Chloroform                | 5.093   | 83    | 143319   | 54.376   | ug/L   | 99       |

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 Sample : 05845-14MS  
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 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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Quant Time: Dec 16 20:17:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 12 03:50:51 2023  
 Response via : Initial Calibration

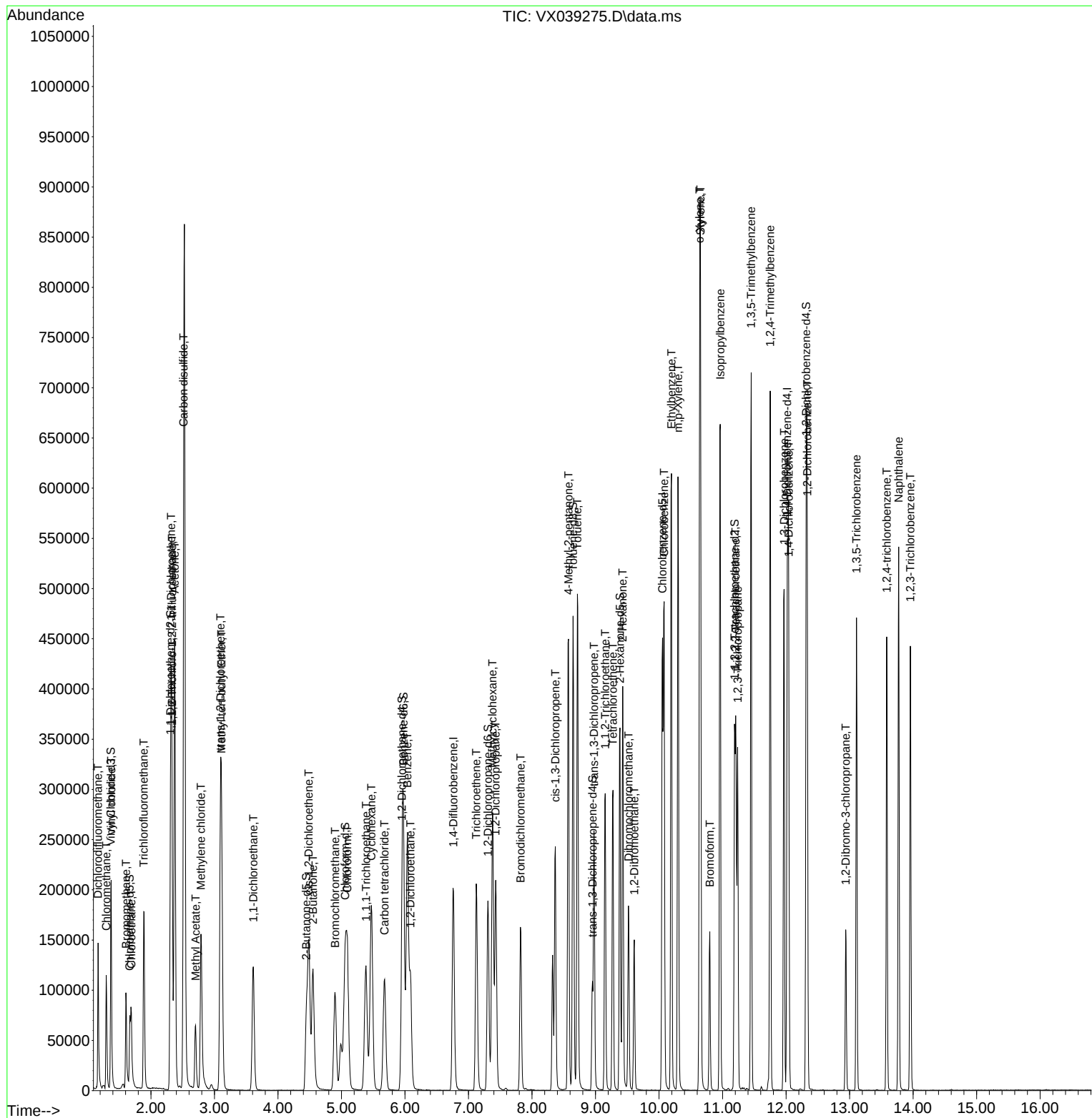
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 120187   | 57.775  | ug/L  | 95       |
| 29) Cyclohexane               | 5.471  | 56   | 130358   | 50.607  | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 118331   | 52.963  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 97634    | 52.377  | ug/L  | 99       |
| 33) Benzene                   | 6.038  | 78   | 301265   | 51.482  | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 80580    | 52.105  | ug/L  | 94       |
| 35) Methylcyclohexane         | 7.379  | 83   | 121662   | 47.236  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 7.428  | 63   | 82928    | 51.097  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 103803   | 52.586  | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 122138   | 47.186  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 277488   | 102.018 | ug/L  | 98       |
| 42) Toluene                   | 8.714  | 91   | 313718   | 50.555  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 116250   | 48.396  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 76685    | 51.560  | ug/L  | 97       |
| 46) Tetrachloroethene         | 9.275  | 164  | 50851    | 49.845  | ug/L  | 97       |
| 48) 2-Hexanone                | 9.427  | 43   | 217183   | 95.400  | ug/L  | 98       |
| 49) Dibromochloromethane      | 9.519  | 129  | 74197    | 51.208  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 82420    | 51.726  | ug/L  | 99       |
| 51) Chlorobenzene             | 10.080 | 112  | 196364   | 51.229  | ug/L  | 98       |
| 52) Ethylbenzene              | 10.195 | 91   | 358515   | 51.679  | ug/L  | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 130057   | 50.141  | ug/L  | 96       |
| 54) o-Xylene                  | 10.640 | 106  | 125682   | 50.497  | ug/L  | 93       |
| 55) Styrene                   | 10.653 | 104  | 220450   | 51.766  | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 135195   | 52.086  | ug/L  | 98       |
| 59) Bromoform                 | 10.799 | 173  | 51111    | 46.849  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.964 | 105  | 346631   | 51.103  | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 103958   | 51.123  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 291564   | 50.914  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 289950   | 51.637  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 145550   | 50.133  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 146323   | 49.736  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 142710   | 51.386  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 32116    | 50.605  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 92871    | 48.370  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 87942    | 48.586  | ug/L  | 99       |
| 71) Naphthalene               | 13.774 | 128  | 309207   | 49.811  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 87760    | 50.074  | ug/L  | 99       |

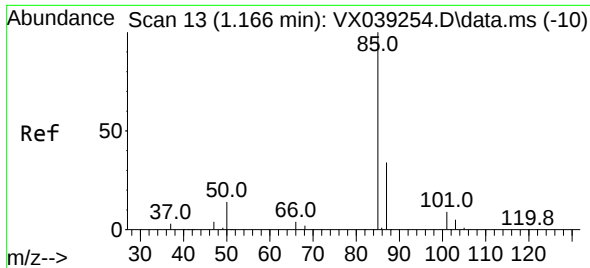
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 12 03:50:51 2023  
Response via : Initial Calibration

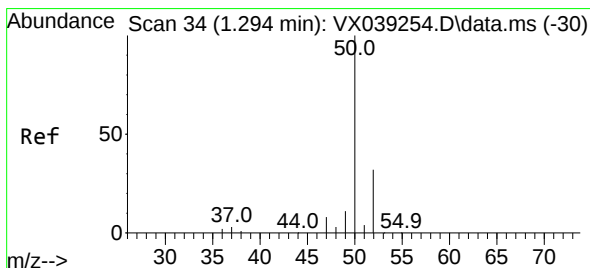
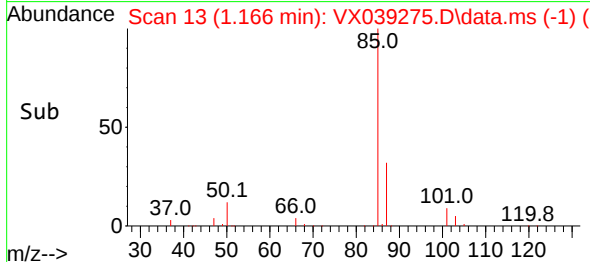
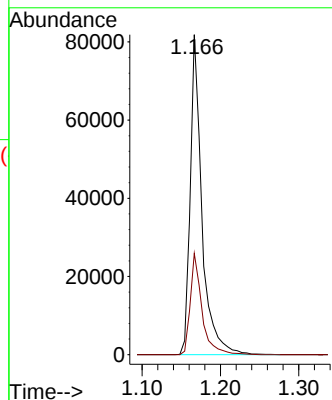
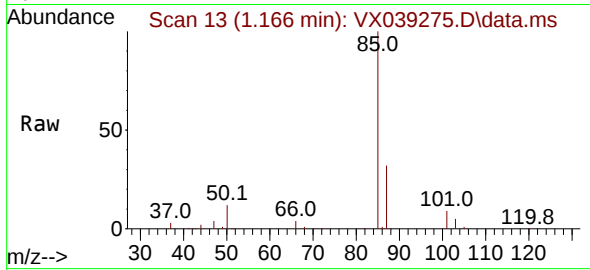




#2  
 Dichlorodifluoromethane  
 Concen: 53.934 ug/L  
 RT: 1.166 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX039275.D  
 Acq: 16 Dec 2023 09:14

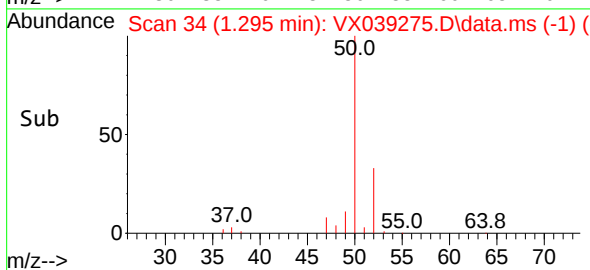
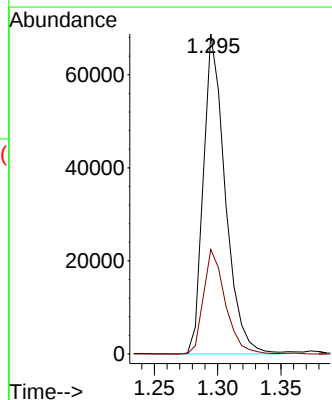
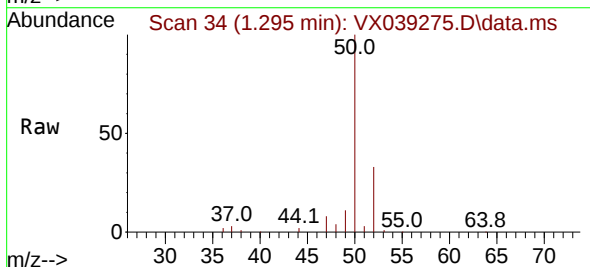
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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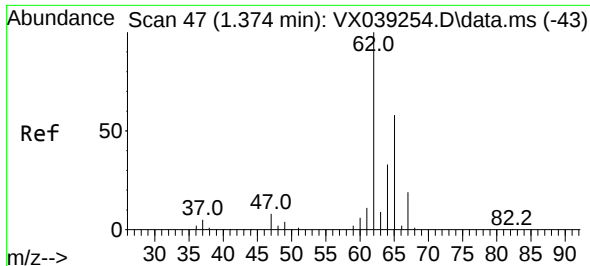
Tgt Ion: 85 Resp: 84685  
 Ion Ratio Lower Upper  
 85 100  
 87 31.9 26.2 39.4



#3  
 Chloromethane  
 Concen: 50.466 ug/L  
 RT: 1.295 min Scan# 34  
 Delta R.T. -0.000 min  
 Lab File: VX039275.D  
 Acq: 16 Dec 2023 09:14

Tgt Ion: 50 Resp: 82822  
 Ion Ratio Lower Upper  
 50 100  
 52 32.7 22.4 41.6

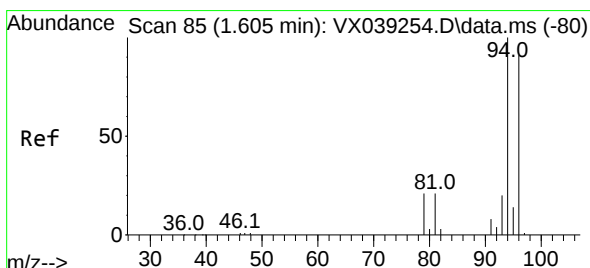
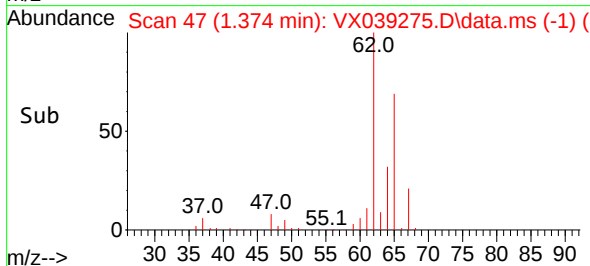
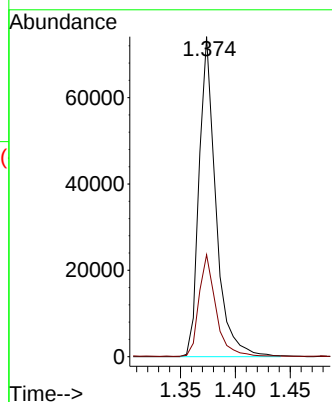
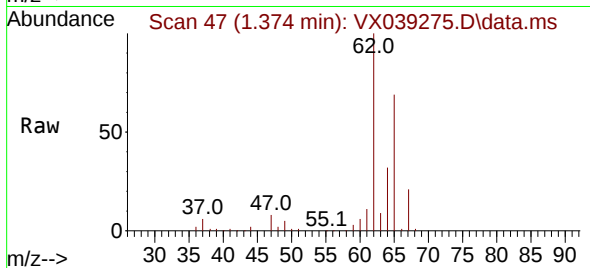




#5  
 Vinyl chloride  
 Concen: 48.700 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX039275.D  
 Acq: 16 Dec 2023 09:14

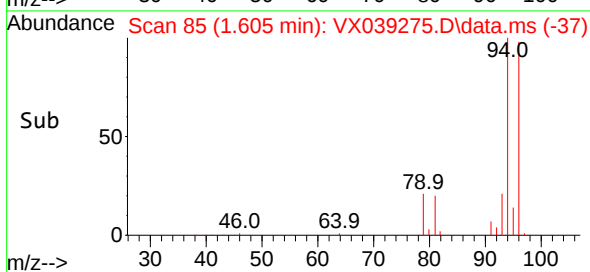
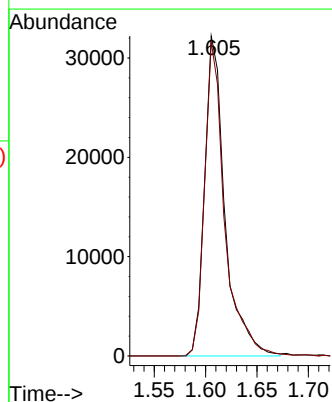
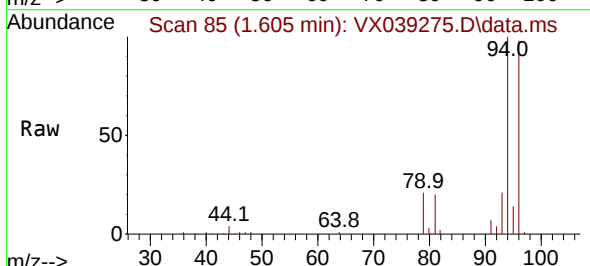
Instrument :  
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 ClientSampleId :  
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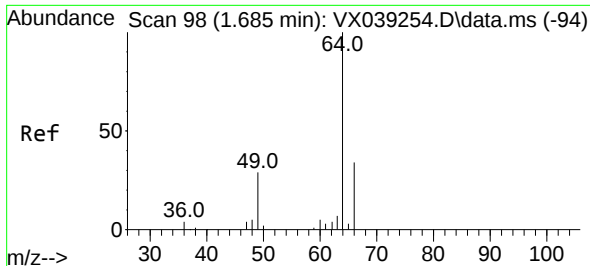
Tgt Ion: 62 Resp: 78771  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 22.3 41.3



#6  
 Bromomethane  
 Concen: 50.883 ug/L  
 RT: 1.605 min Scan# 85  
 Delta R.T. -0.006 min  
 Lab File: VX039275.D  
 Acq: 16 Dec 2023 09:14

Tgt Ion: 94 Resp: 44424  
 Ion Ratio Lower Upper  
 94 100  
 96 98.2 65.8 122.2

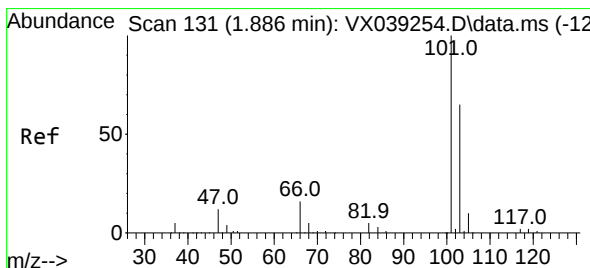
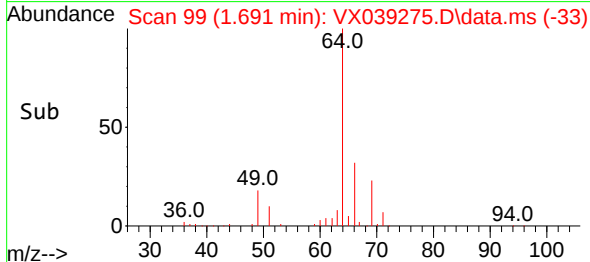
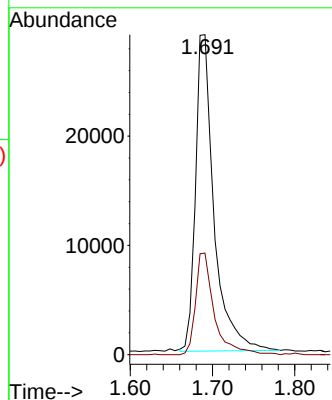
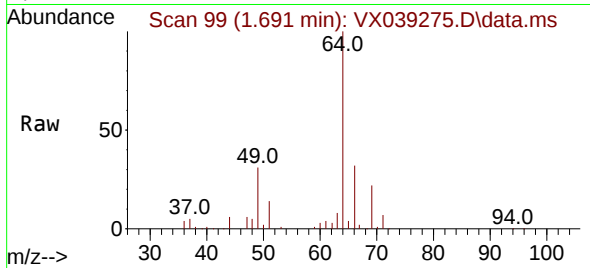




#8  
Chloroethane  
Concen: 49.470 ug/L  
RT: 1.691 min Scan# 99  
Delta R.T. -0.000 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

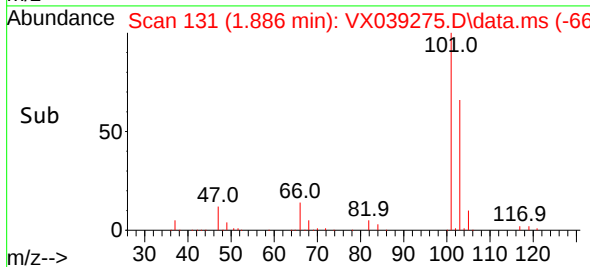
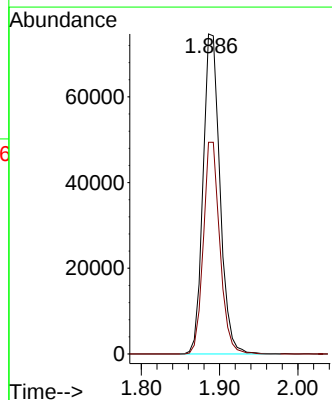
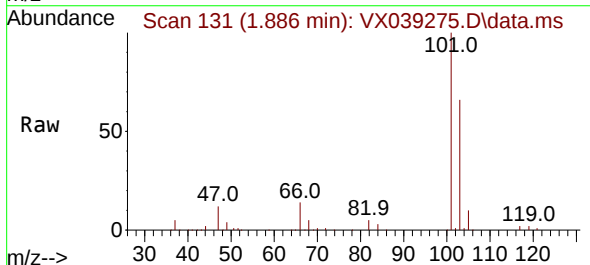
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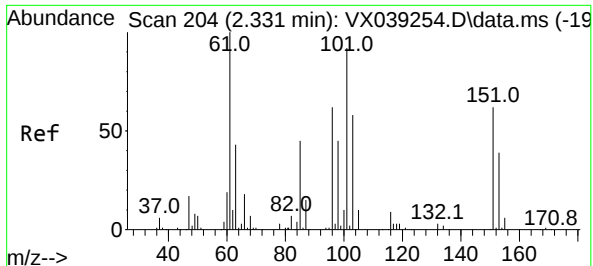
Tgt Ion: 64 Resp: 45237  
Ion Ratio Lower Upper  
64 100  
66 31.8 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 53.285 ug/L  
RT: 1.886 min Scan# 131  
Delta R.T. -0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Tgt Ion: 101 Resp: 111701  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.4 77.2

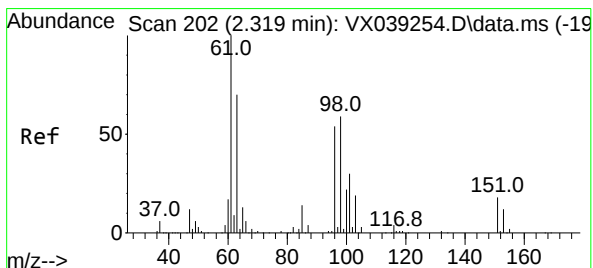
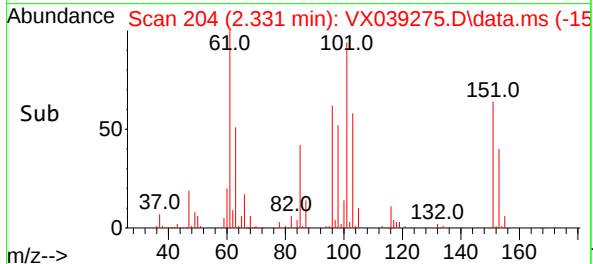
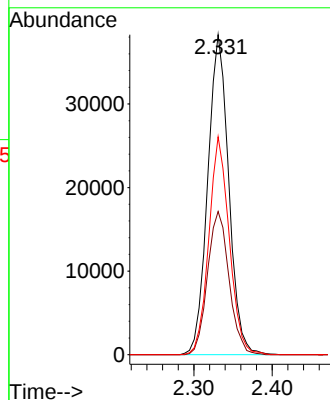
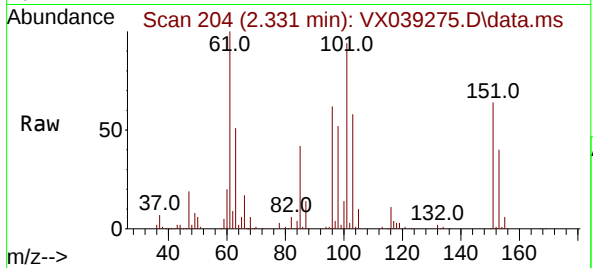




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 52.882 ug/L  
 RT: 2.331 min Scan# 204  
 Delta R.T. -0.000 min  
 Lab File: VX039275.D  
 Acq: 16 Dec 2023 09:14

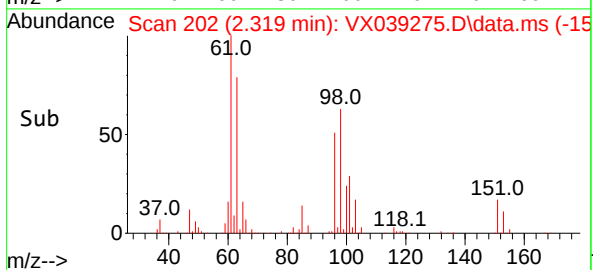
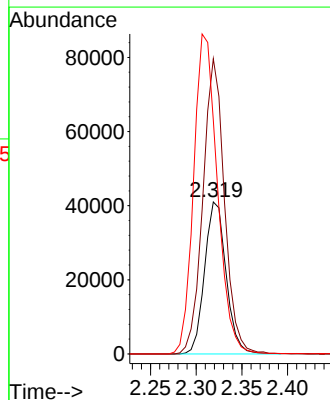
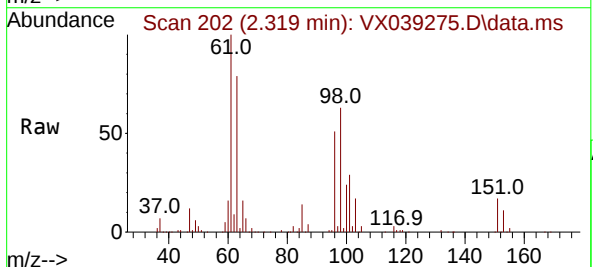
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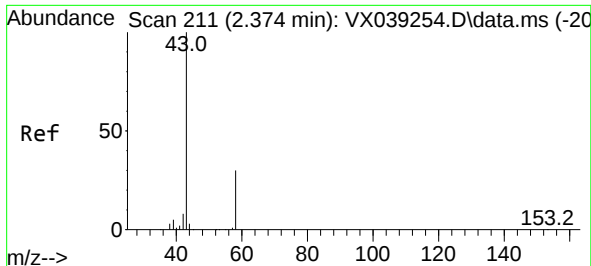
Tgt Ion:101 Resp: 71308  
 Ion Ratio Lower Upper  
 101 100  
 85 45.8 35.8 53.6  
 151 66.2 55.4 83.2



#12  
 1,1-Dichloroethene  
 Concen: 52.770 ug/L  
 RT: 2.319 min Scan# 202  
 Delta R.T. -0.000 min  
 Lab File: VX039275.D  
 Acq: 16 Dec 2023 09:14

Tgt Ion: 96 Resp: 66933  
 Ion Ratio Lower Upper  
 96 100  
 61 194.3 128.0 237.6  
 63 153.9 101.5 188.5

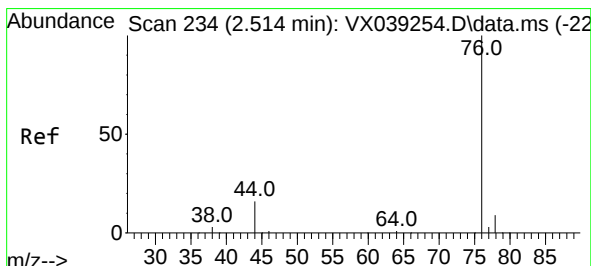
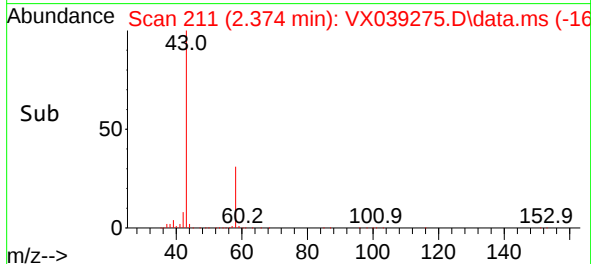
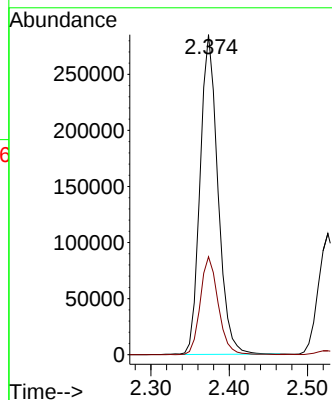
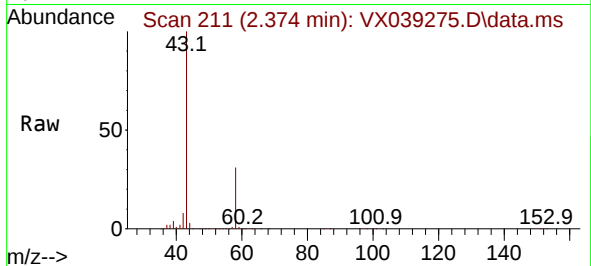




#13  
Acetone  
Concen: 335.504 ug/L  
RT: 2.374 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

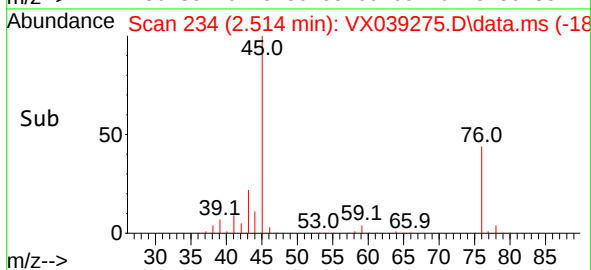
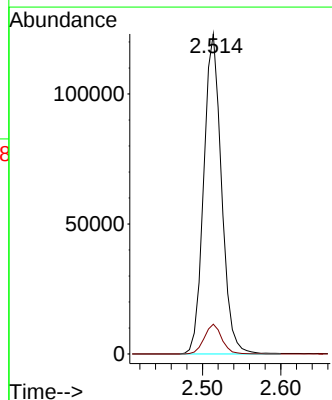
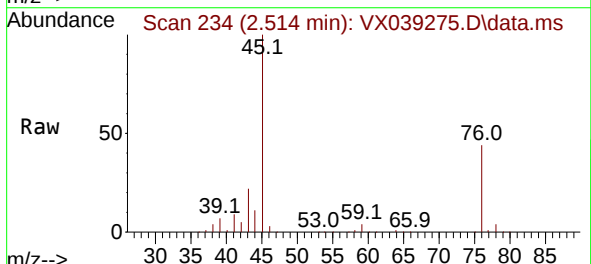
Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE9MS

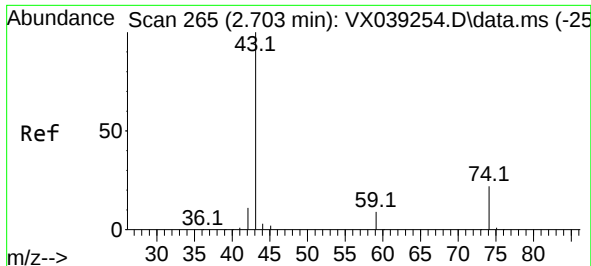
Tgt Ion: 43 Resp: 450554  
Ion Ratio Lower Upper  
43 100  
58 30.6 0.0 65.8



#14  
Carbon disulfide  
Concen: 48.048 ug/L  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Tgt Ion: 76 Resp: 193932  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2

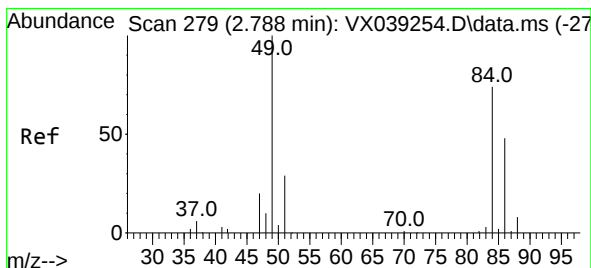
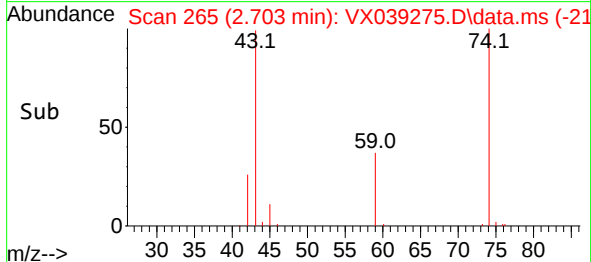
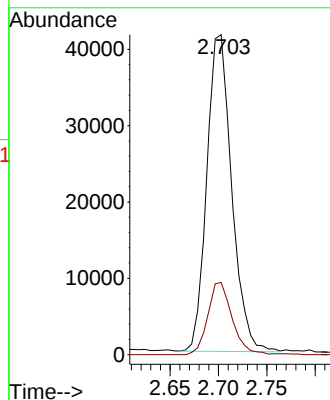
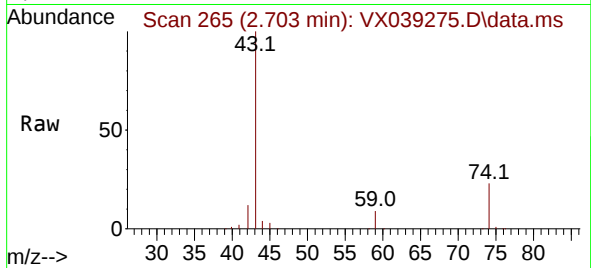




#15  
Methyl Acetate  
Concen: 38.749 ug/L  
RT: 2.703 min Scan# 265  
Delta R.T. 0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

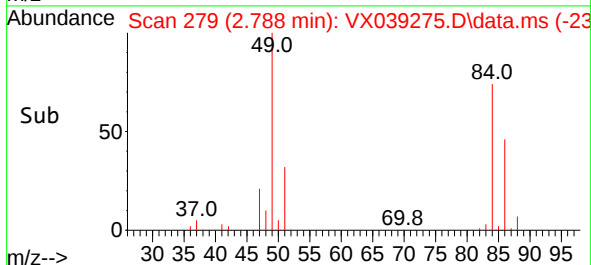
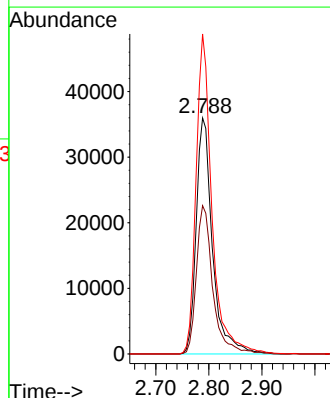
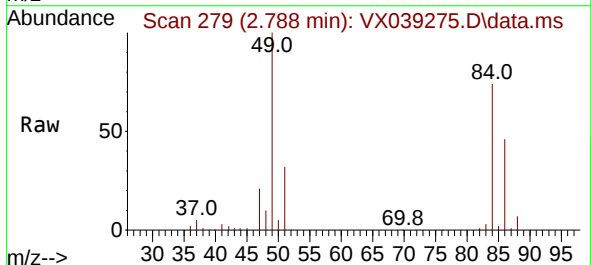
Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE9MS

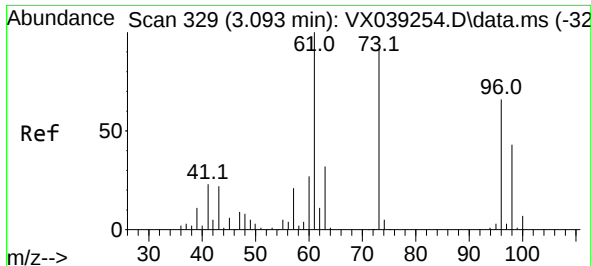
Tgt Ion: 43 Resp: 74378  
Ion Ratio Lower Upper  
43 100  
74 22.2 18.2 27.4



#16  
Methylene chloride  
Concen: 52.935 ug/L  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Tgt Ion: 84 Resp: 77142  
Ion Ratio Lower Upper  
84 100  
86 62.9 44.7 82.9  
49 135.5 90.9 168.7

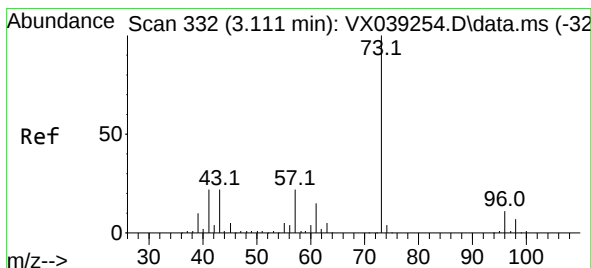
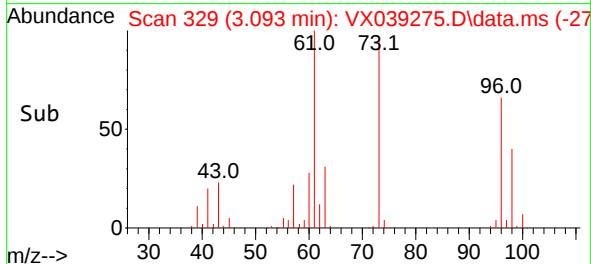
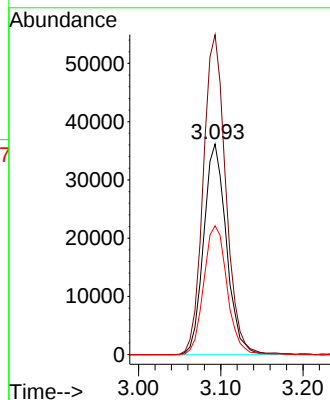
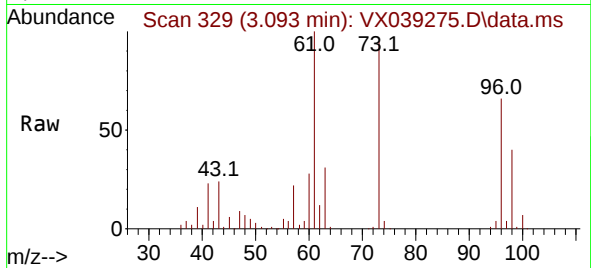




#17  
trans-1,2-Dichloroethene  
Concen: 52.107 ug/L  
RT: 3.093 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

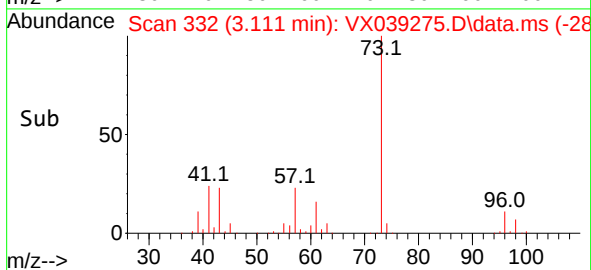
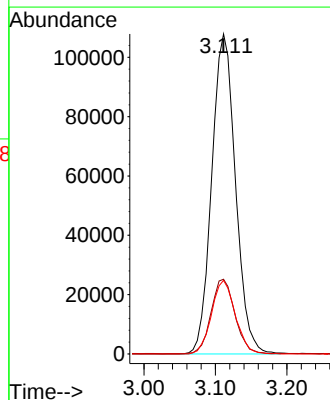
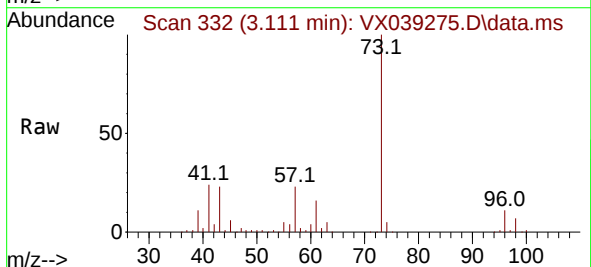
Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE9MS

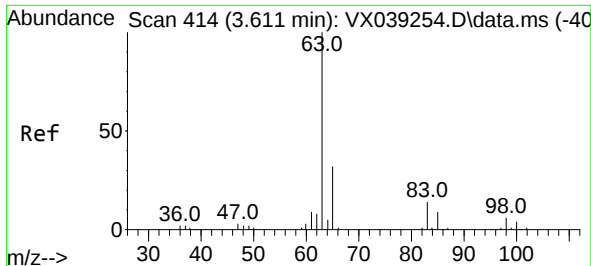
Tgt Ion: 96 Resp: 69637  
Ion Ratio Lower Upper  
96 100  
61 151.8 99.8 185.3  
98 61.2 42.6 79.2



#18  
Methyl tert-butyl Ether  
Concen: 53.523 ug/L  
RT: 3.111 min Scan# 332  
Delta R.T. 0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Tgt Ion: 73 Resp: 248980  
Ion Ratio Lower Upper  
73 100  
43 23.3 16.9 25.3  
57 22.9 18.5 27.7





#19

1,1-Dichloroethane

Concen: 52.810 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

YCHE9MS

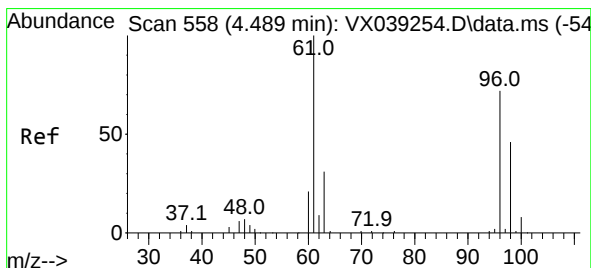
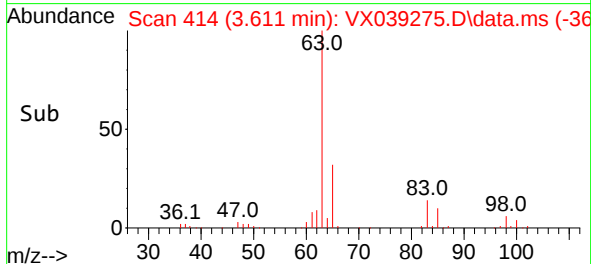
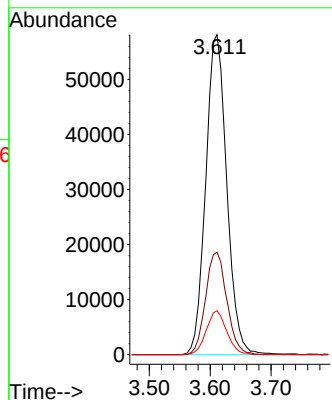
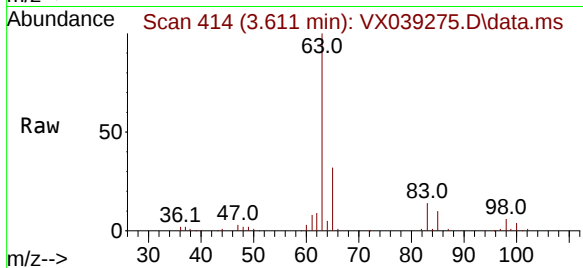
Tgt Ion: 63 Resp: 139549

Ion Ratio Lower Upper

63 100

65 32.0 21.1 39.3

83 13.7 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 51.703 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

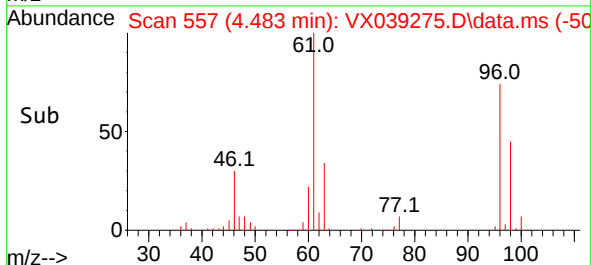
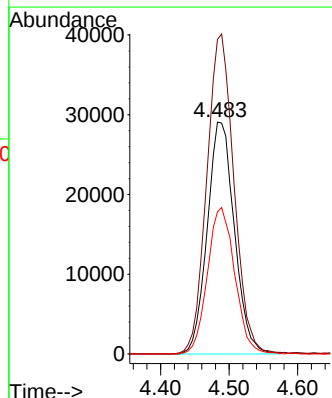
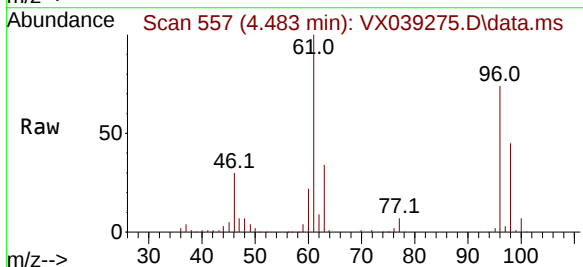
Tgt Ion: 96 Resp: 80145

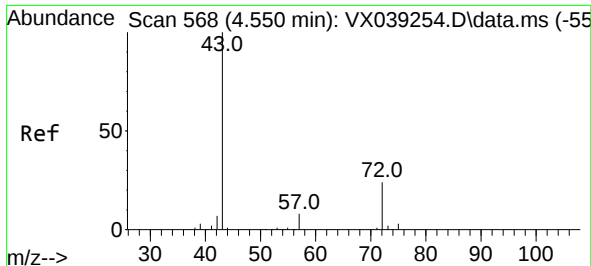
Ion Ratio Lower Upper

96 100

61 135.7 91.7 170.3

98 61.3 44.2 82.2





#22

2-Butanone

Concen: 127.989 ug/L

RT: 4.550 min Scan# 568

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

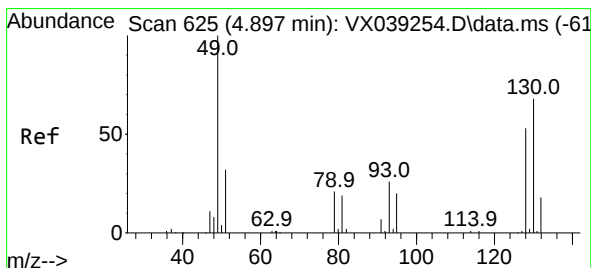
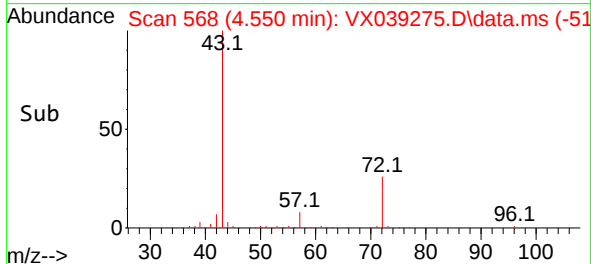
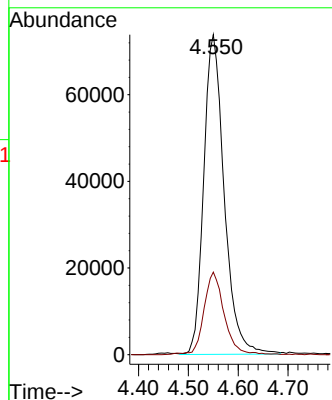
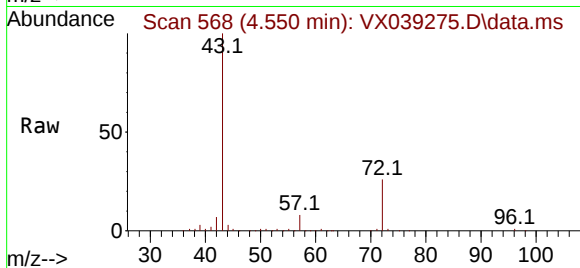
YCHE9MS

Tgt Ion: 43 Resp: 210939

Ion Ratio Lower Upper

43 100

72 23.6 12.6 37.6



#23

Bromochloromethane

Concen: 51.151 ug/L

RT: 4.898 min Scan# 625

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Tgt Ion:128 Resp: 37272

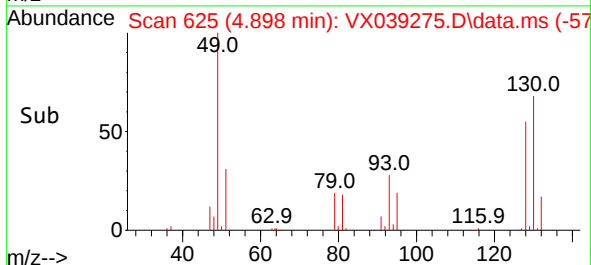
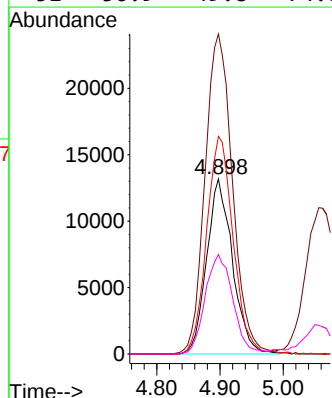
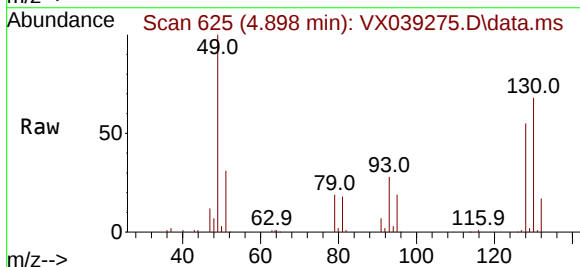
Ion Ratio Lower Upper

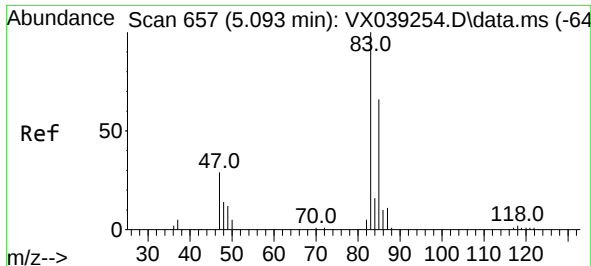
128 100

49 182.8 130.8 243.0

130 124.3 90.6 168.3

51 56.9 49.8 74.8





#25

Chloroform

Concen: 54.376 ug/L

RT: 5.093 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

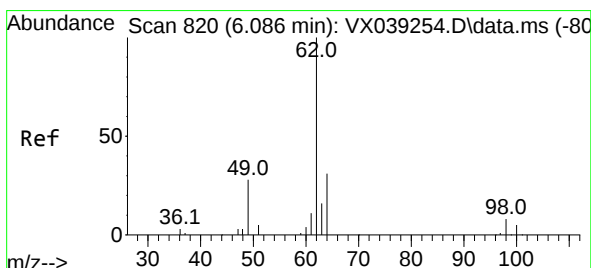
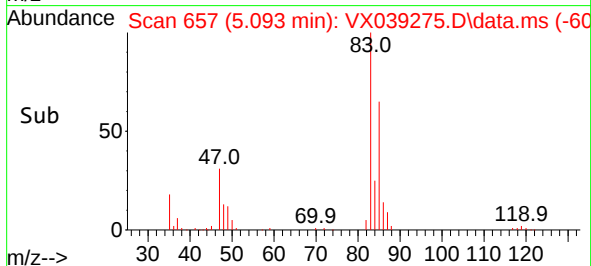
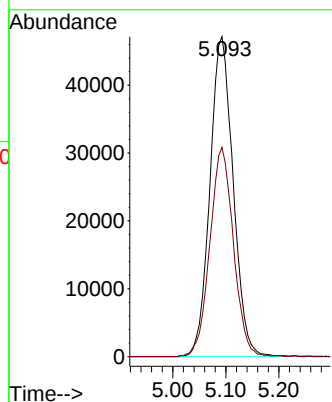
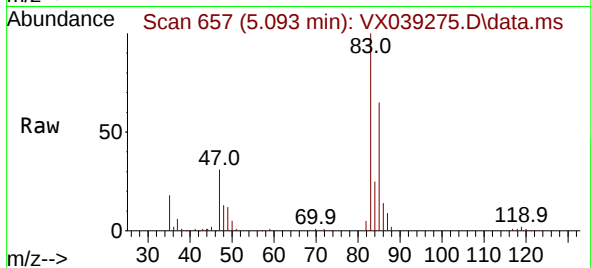
YCHE9MS

Tgt Ion: 83 Resp: 143319

Ion Ratio Lower Upper

83 100

85 65.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 57.775 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX039275.D

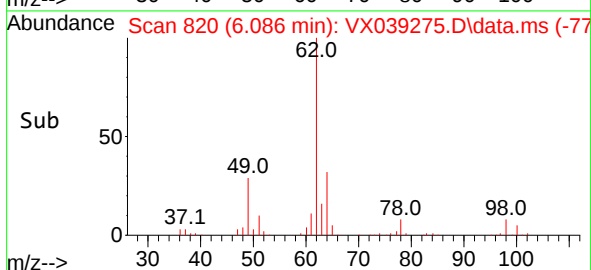
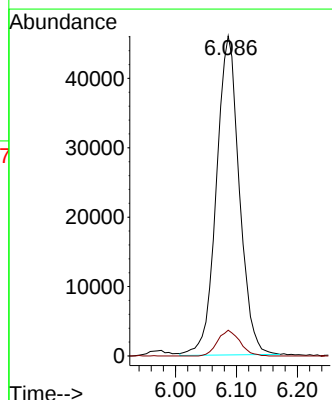
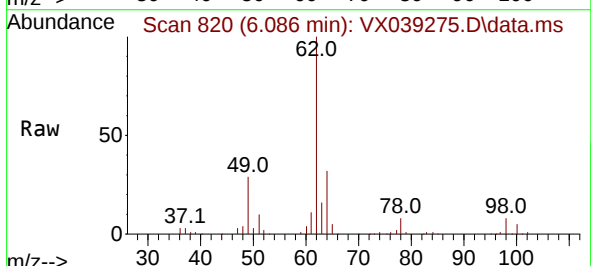
Acq: 16 Dec 2023 09:14

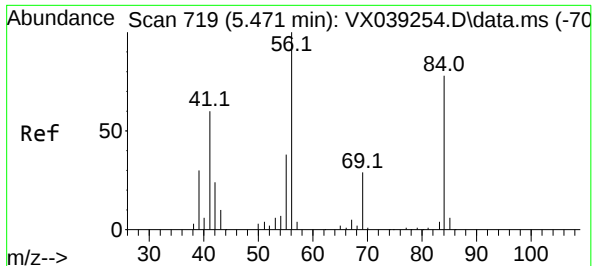
Tgt Ion: 62 Resp: 120187

Ion Ratio Lower Upper

62 100

98 8.0 8.0 12.0

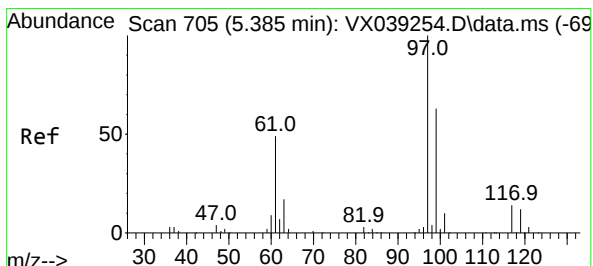
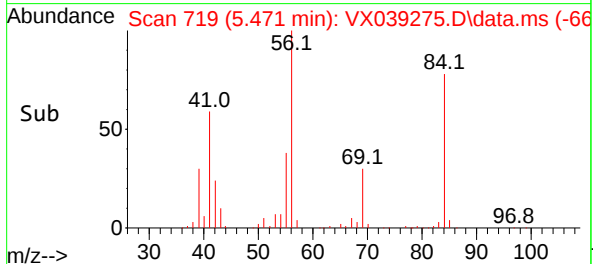
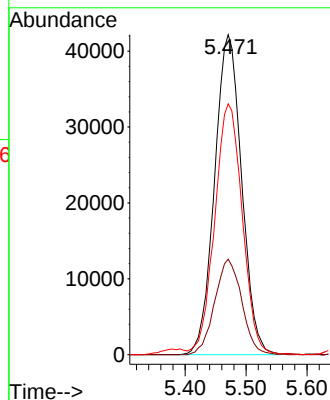
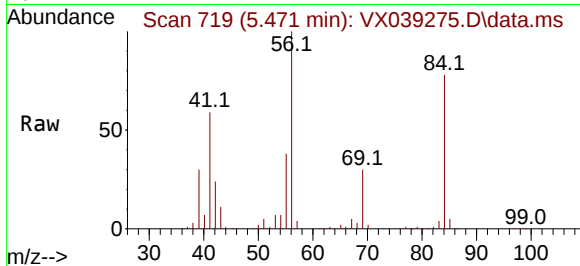




#29  
Cyclohexane  
Concen: 50.607 ug/L  
RT: 5.471 min Scan# 719  
Delta R.T. 0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

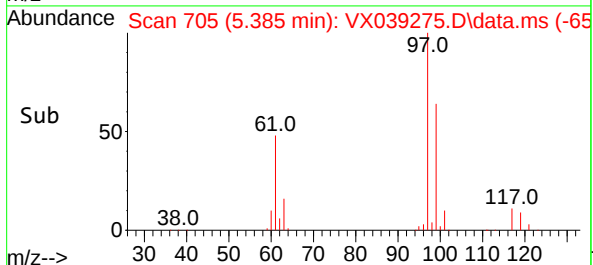
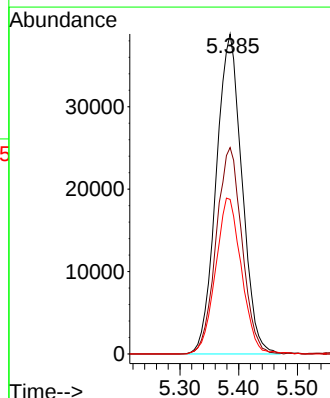
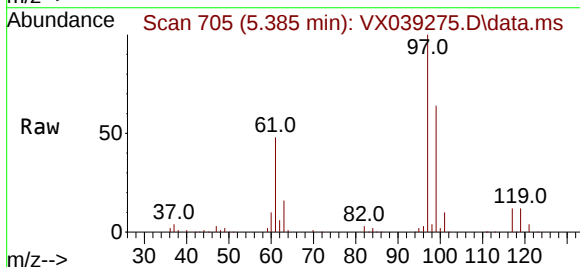
Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE9MS

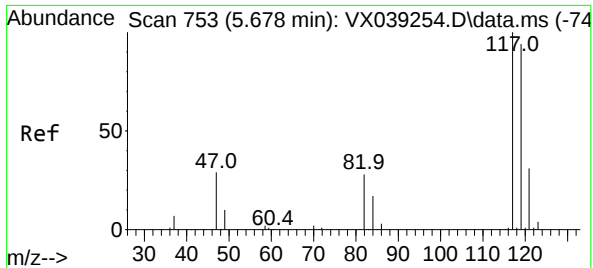
Tgt Ion: 56 Resp: 130358  
Ion Ratio Lower Upper  
56 100  
69 29.8 24.5 36.7  
84 79.2 67.0 100.4



#30  
1,1,1-Trichloroethane  
Concen: 52.963 ug/L  
RT: 5.385 min Scan# 705  
Delta R.T. 0.012 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Tgt Ion: 97 Resp: 118331  
Ion Ratio Lower Upper  
97 100  
99 64.7 51.0 76.4  
61 48.8 36.7 55.1

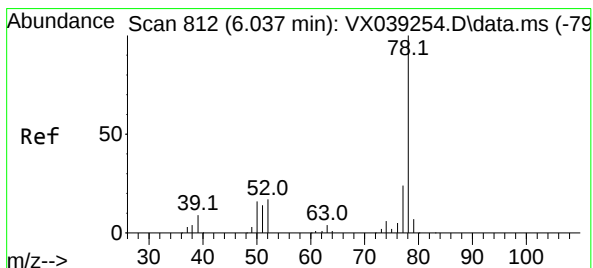
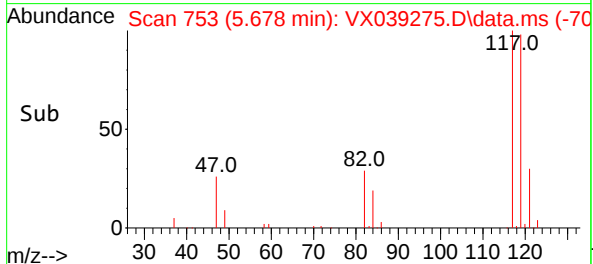
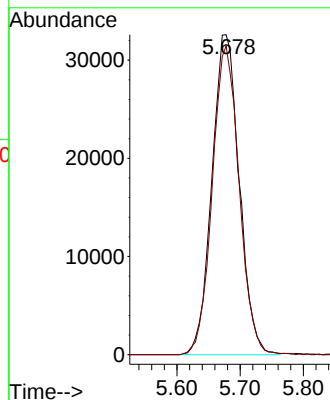
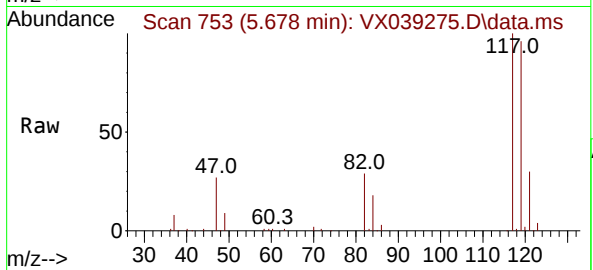




#31  
Carbon tetrachloride  
Concen: 52.377 ug/L  
RT: 5.678 min Scan# 753  
Delta R.T. 0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

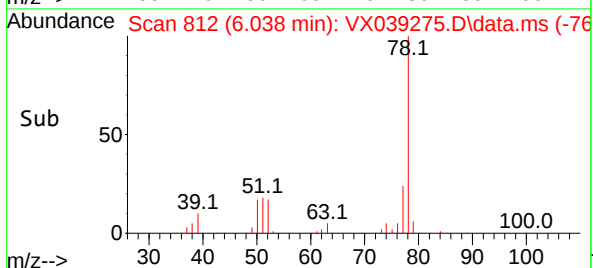
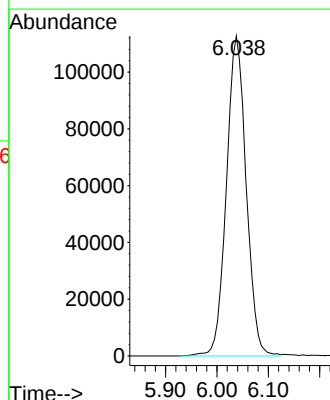
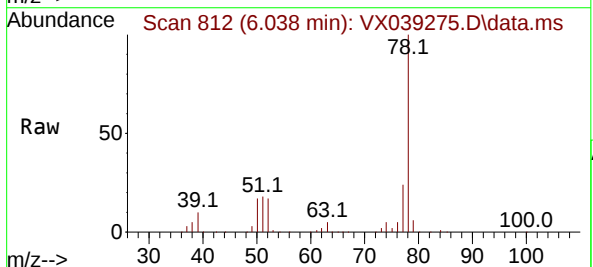
Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE9MS

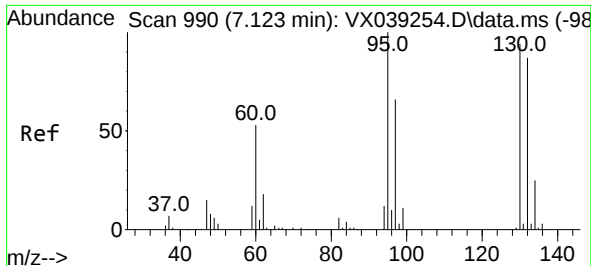
Tgt Ion:117 Resp: 97634  
Ion Ratio Lower Upper  
117 100  
119 95.0 77.0 115.4



#33  
Benzene  
Concen: 51.482 ug/L  
RT: 6.038 min Scan# 812  
Delta R.T. 0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Tgt Ion: 78 Resp: 301265



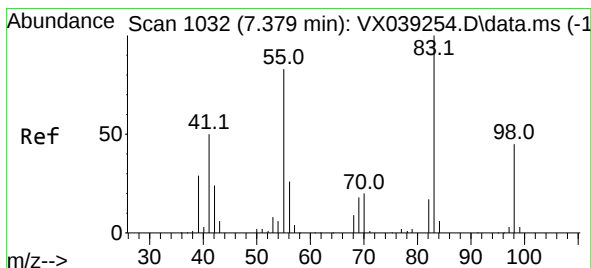
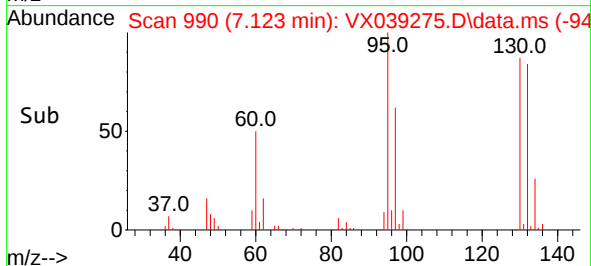
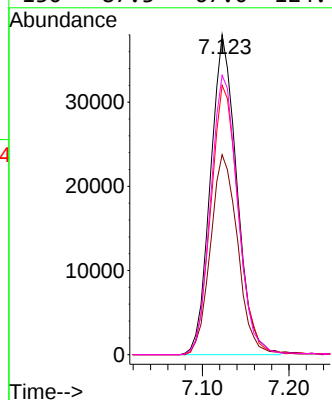
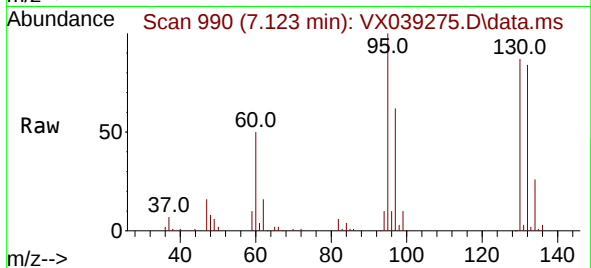


#34  
Trichloroethene  
Concen: 52.105 ug/L  
RT: 7.123 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE9MS

Tgt Ion: 95 Resp: 80580

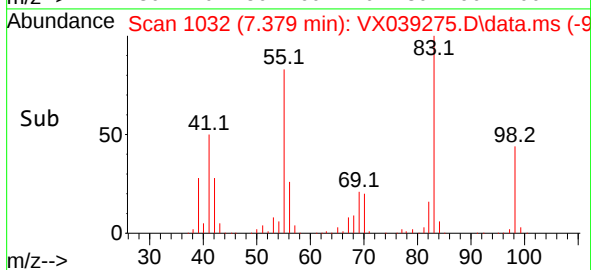
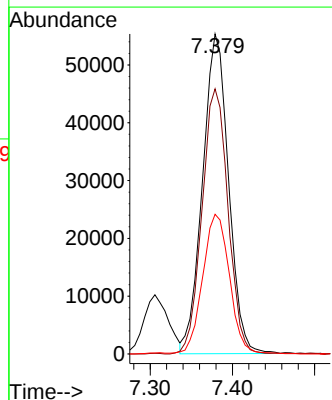
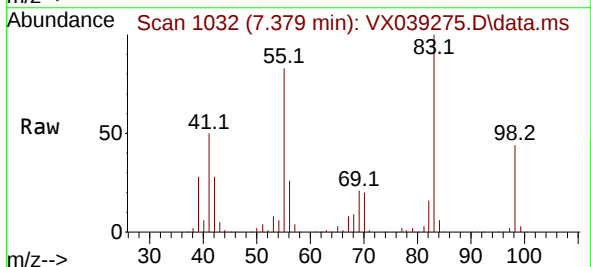
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.5  | 45.5  | 84.5  |
| 132 | 84.2  | 62.2  | 115.4 |
| 130 | 87.3  | 67.0  | 124.4 |

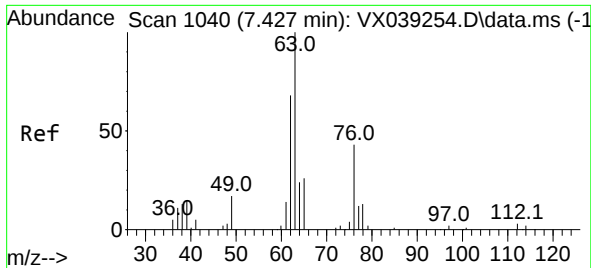


#35  
Methylcyclohexane  
Concen: 47.236 ug/L  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Tgt Ion: 83 Resp: 121662

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 82.9  | 62.5  | 93.7  |
| 98  | 44.9  | 36.1  | 54.1  |





#37

1,2-Dichloropropane

Concen: 51.097 ug/L

RT: 7.428 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

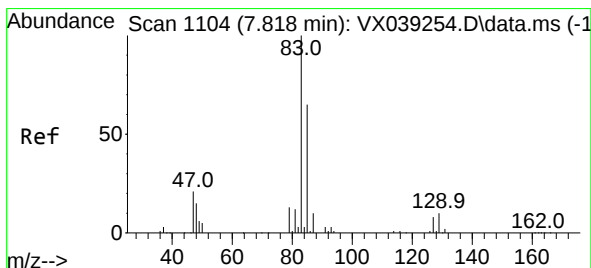
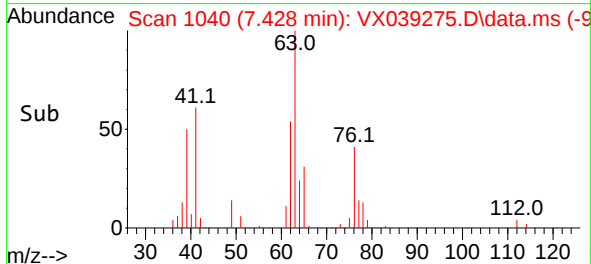
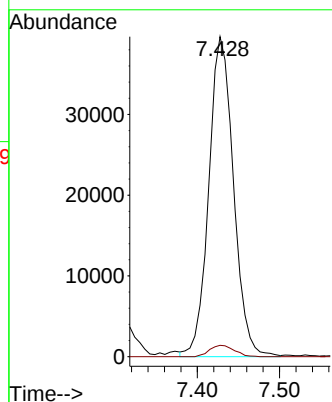
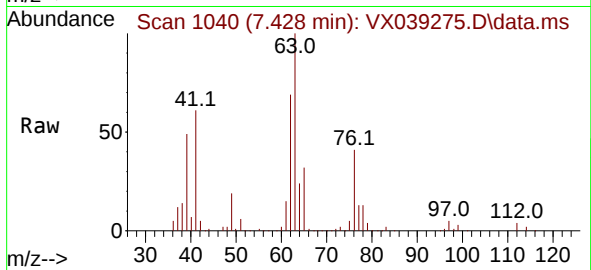
YCHE9MS

Tgt Ion: 63 Resp: 82928

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 52.586 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

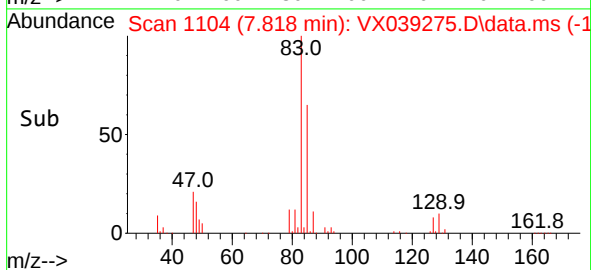
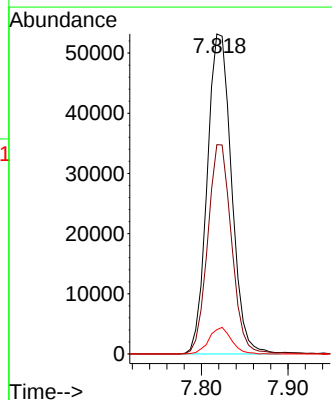
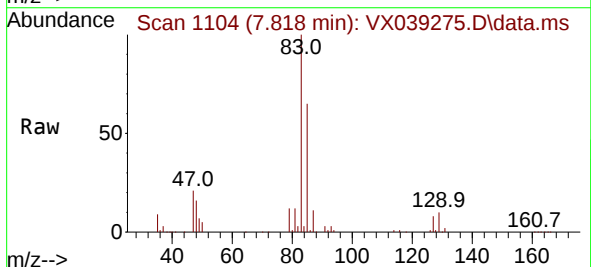
Tgt Ion: 83 Resp: 103803

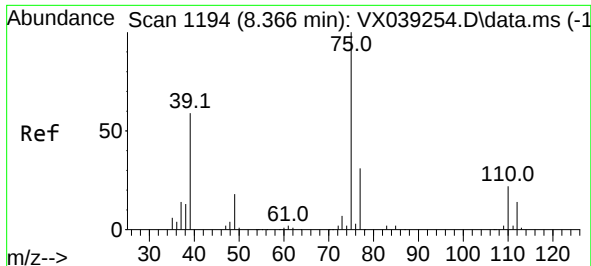
Ion Ratio Lower Upper

83 100

85 65.4 43.3 80.5

127 7.6 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 47.186 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

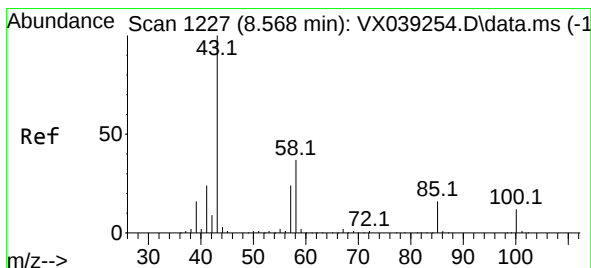
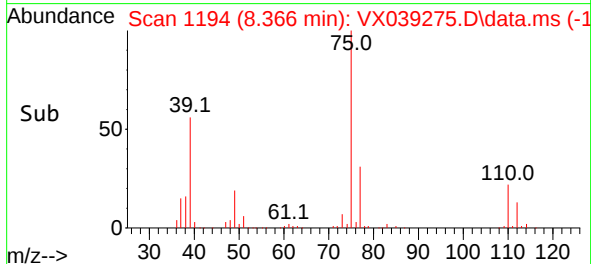
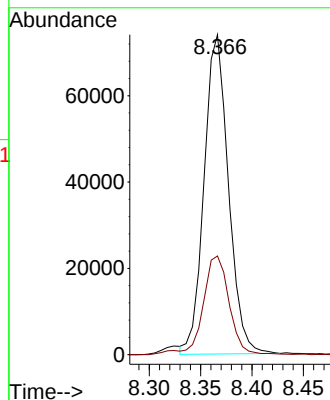
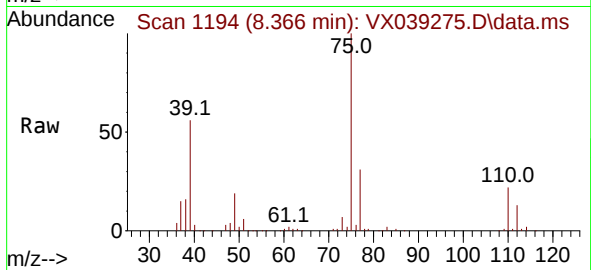
YCHE9MS

Tgt Ion: 75 Resp: 122138

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 102.018 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

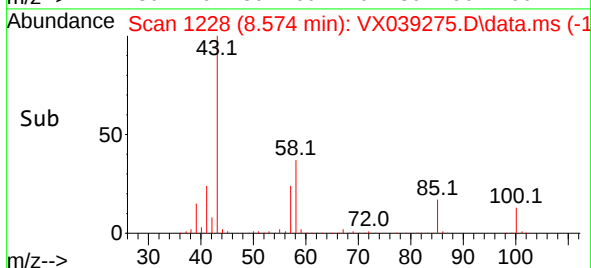
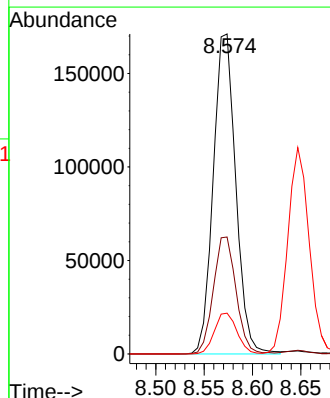
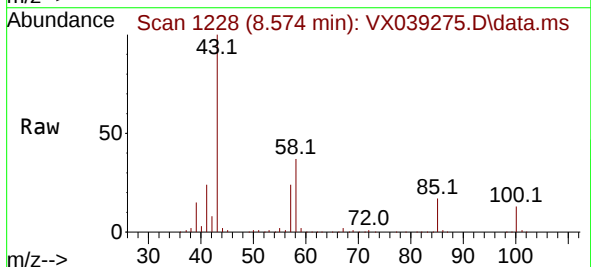
Tgt Ion: 43 Resp: 277488

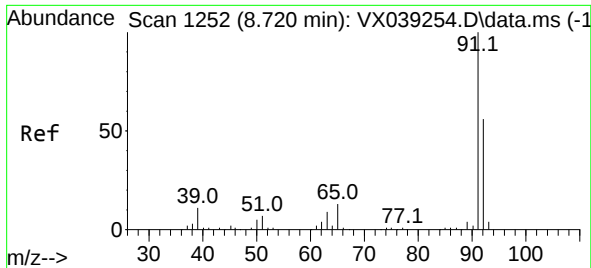
Ion Ratio Lower Upper

43 100

58 36.9 30.9 46.3

100 12.8 10.6 16.0





#42

Toluene

Concen: 50.555 ug/L

RT: 8.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

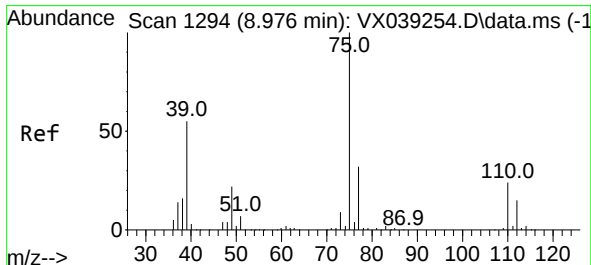
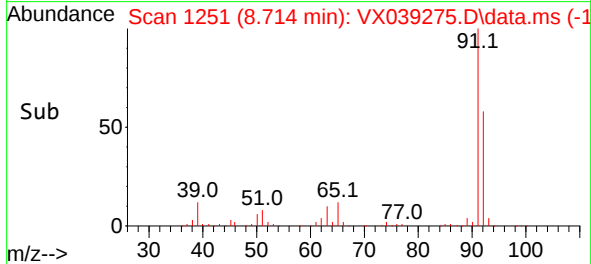
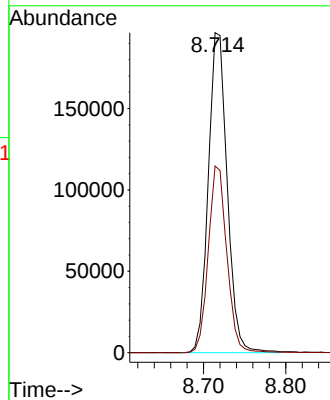
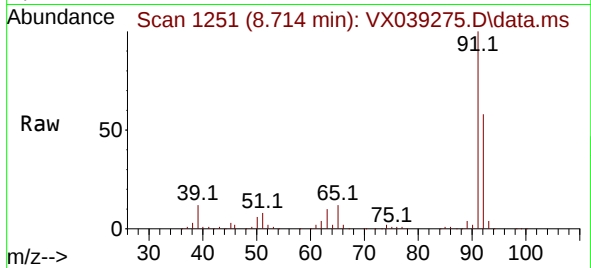
YCHE9MS

Tgt Ion: 91 Resp: 313718

Ion Ratio Lower Upper

91 100

92 58.3 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 48.396 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.006 min

Lab File: VX039275.D

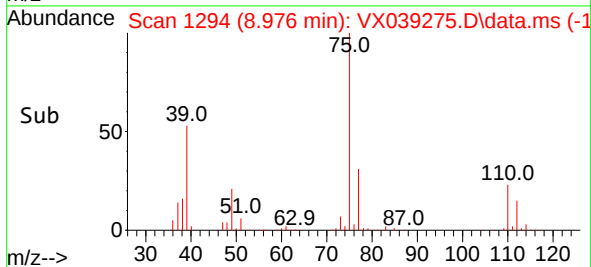
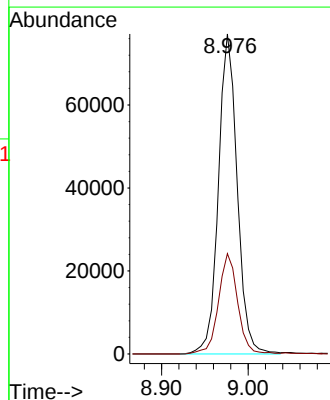
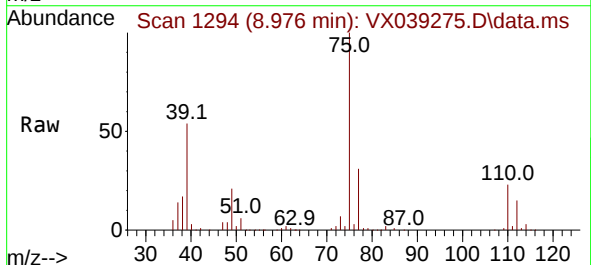
Acq: 16 Dec 2023 09:14

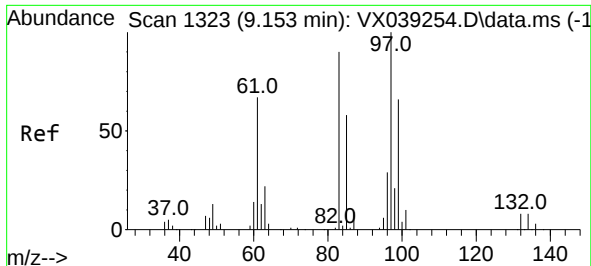
Tgt Ion: 75 Resp: 116250

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 51.560 ug/L

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

YCHE9MS

Tgt Ion: 97 Resp: 76685

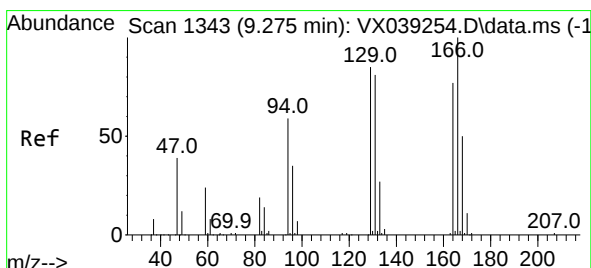
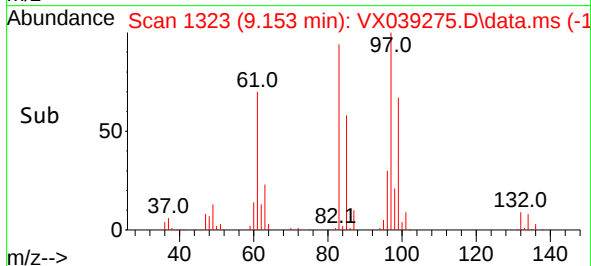
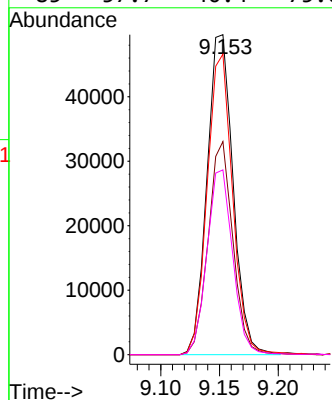
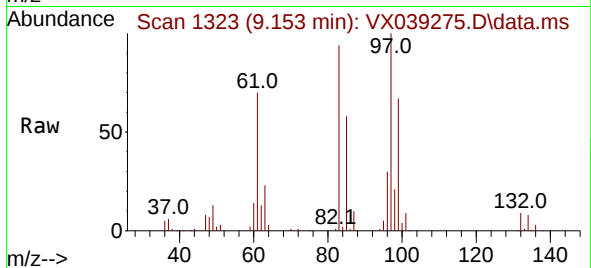
Ion Ratio Lower Upper

97 100

99 66.6 43.1 80.1

83 93.9 64.0 118.8

85 57.7 40.4 75.0



#46

Tetrachloroethene

Concen: 49.845 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Tgt Ion:164 Resp: 50851

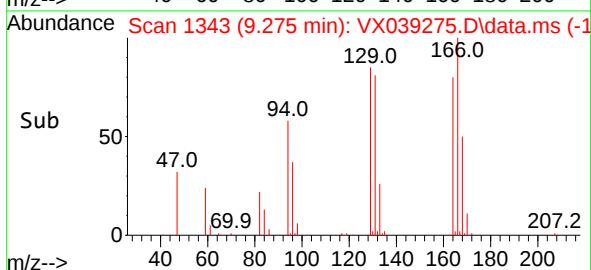
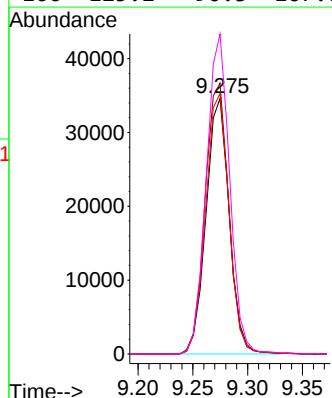
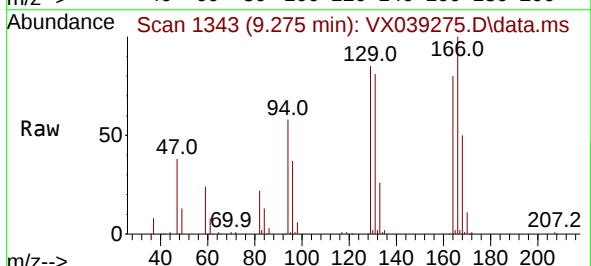
Ion Ratio Lower Upper

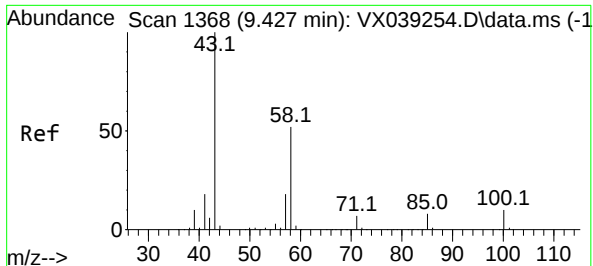
164 100

129 106.0 71.9 133.5

131 101.8 69.5 129.1

166 125.2 90.3 167.7



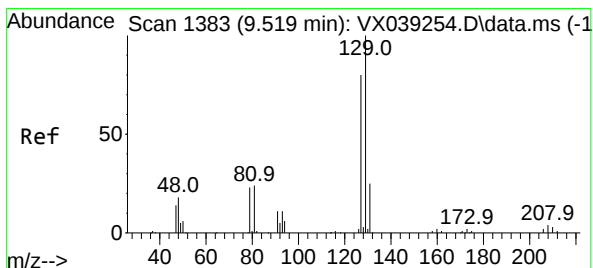
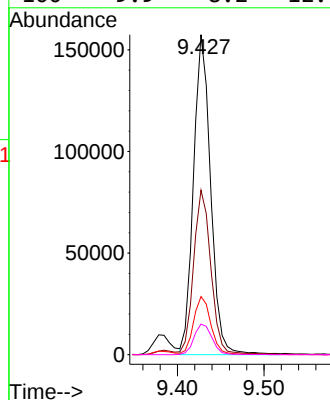
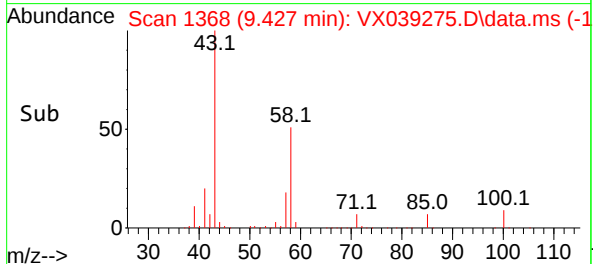
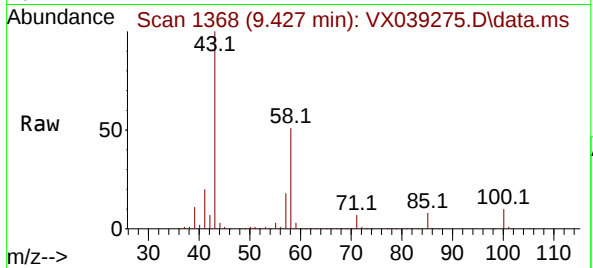


#48  
2-Hexanone  
Concen: 95.400 ug/L  
RT: 9.427 min Scan# 1368  
Delta R.T. -0.000 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE9MS

Tgt Ion: 43 Resp: 217183

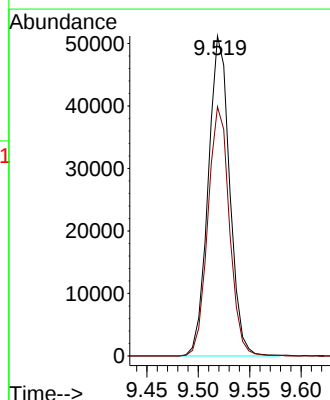
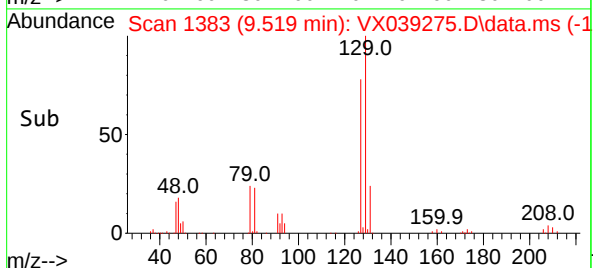
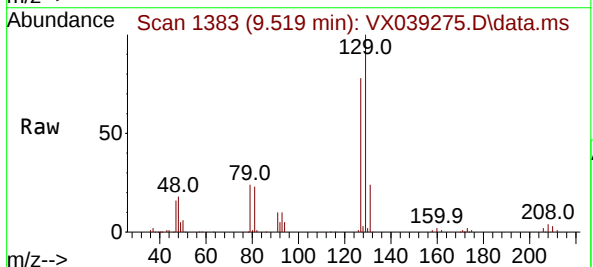
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 52.2  | 43.0  | 64.6  |
| 57  | 18.2  | 14.6  | 21.8  |
| 100 | 9.9   | 8.2   | 12.4  |

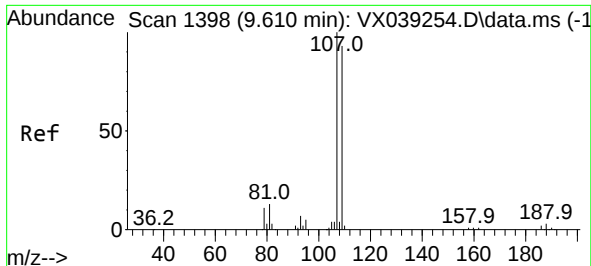


#49  
Dibromochloromethane  
Concen: 51.208 ug/L  
RT: 9.519 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Tgt Ion: 129 Resp: 74197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.9  | 55.2  | 102.4 |





#50

1,2-Dibromoethane

Concen: 51.726 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

YCHE9MS

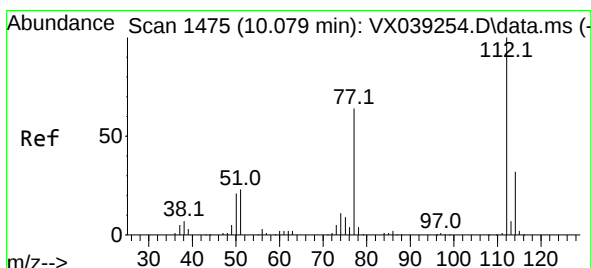
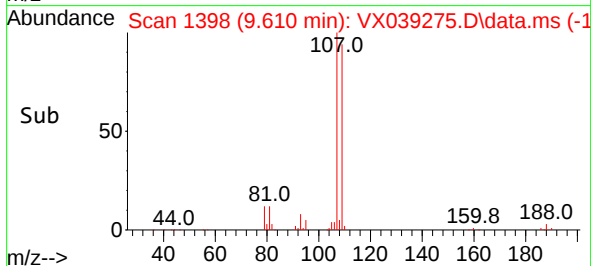
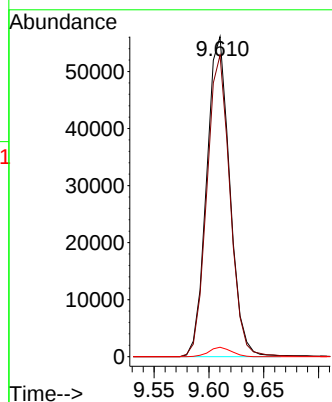
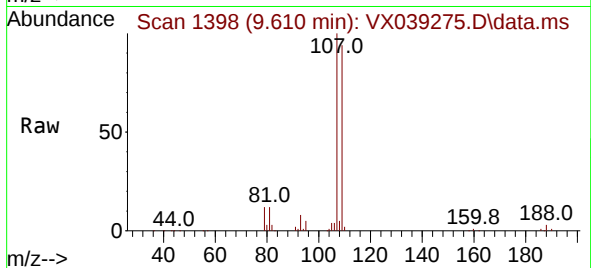
Tgt Ion:107 Resp: 82420

Ion Ratio Lower Upper

107 100

109 94.2 65.2 121.0

188 3.0 2.5 3.7



#51

Chlorobenzene

Concen: 51.229 ug/L

RT: 10.080 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

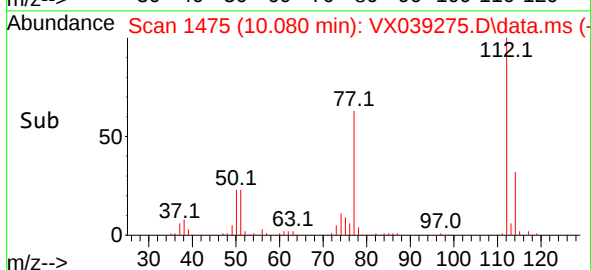
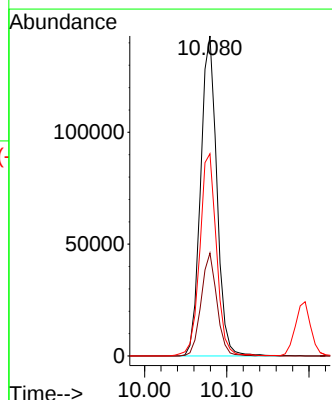
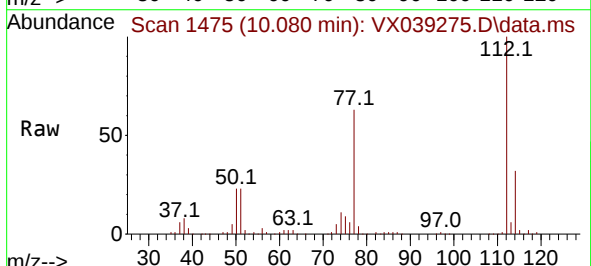
Tgt Ion:112 Resp: 196364

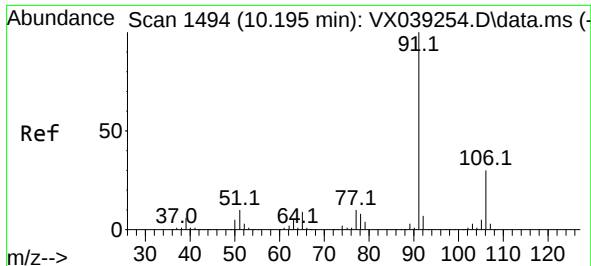
Ion Ratio Lower Upper

112 100

114 32.2 21.8 40.4

77 63.2 49.0 73.6





#52

Ethylbenzene

Concen: 51.679 ug/L

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

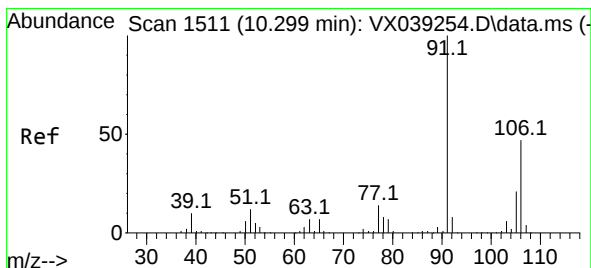
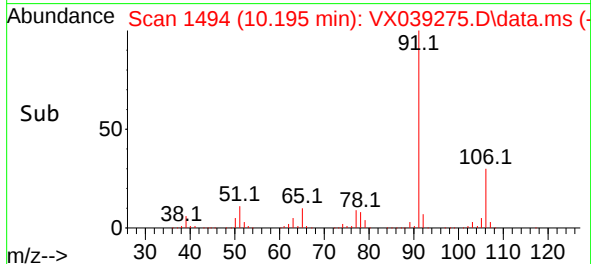
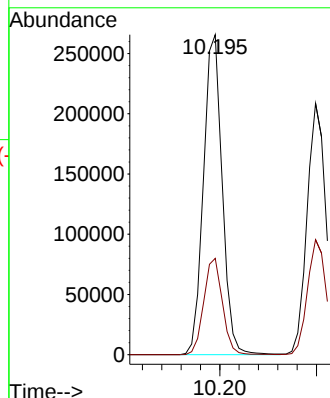
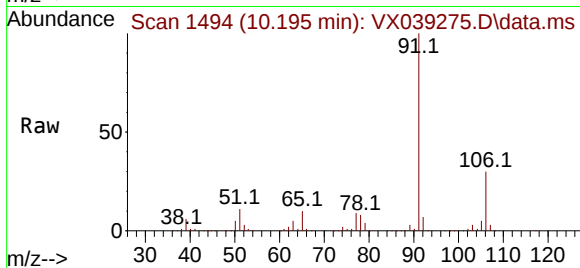
YCHE9MS

Tgt Ion: 91 Resp: 358515

Ion Ratio Lower Upper

91 100

106 30.1 21.2 39.4



#53

m,p-Xylene

Concen: 50.141 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX039275.D

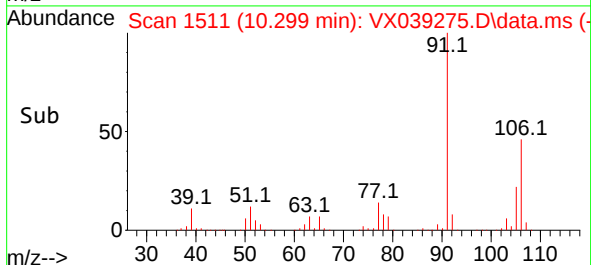
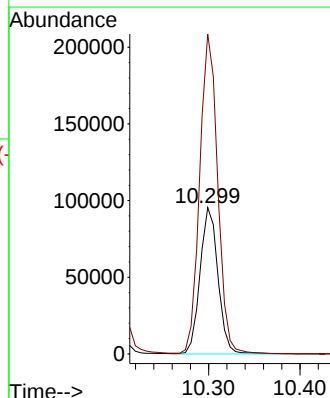
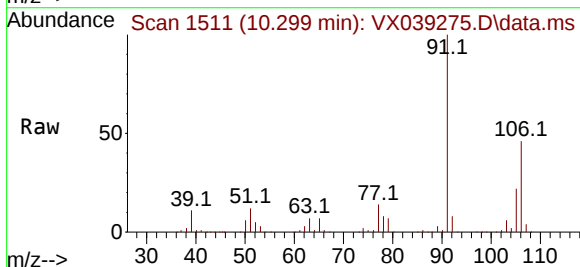
Acq: 16 Dec 2023 09:14

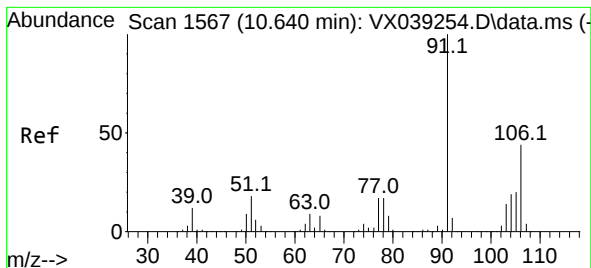
Tgt Ion: 106 Resp: 130057

Ion Ratio Lower Upper

106 100

91 218.5 149.0 276.8





#54

o-Xylene

Concen: 50.497 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

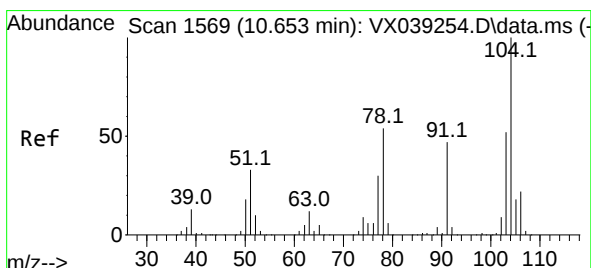
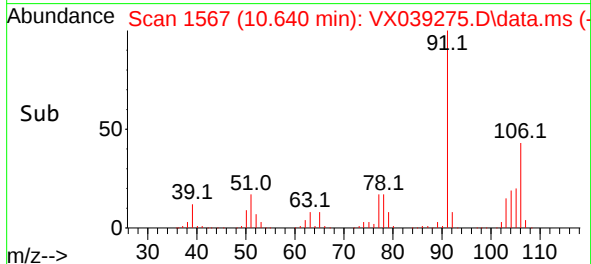
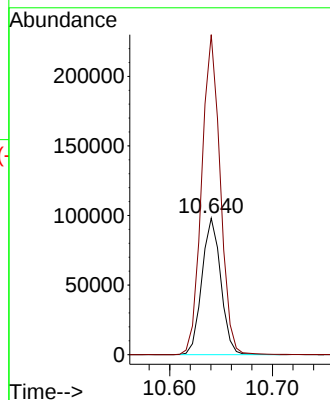
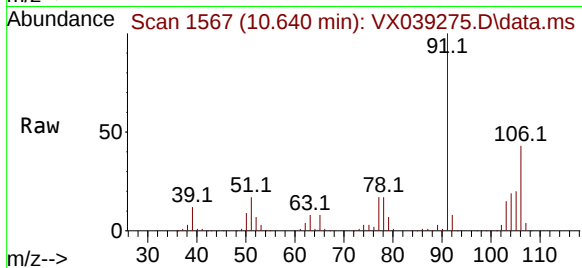
YCHE9MS

Tgt Ion:106 Resp: 125682

Ion Ratio Lower Upper

106 100

91 234.3 156.2 290.0



#55

Styrene

Concen: 51.766 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX039275.D

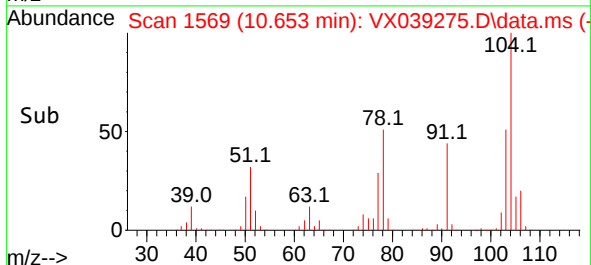
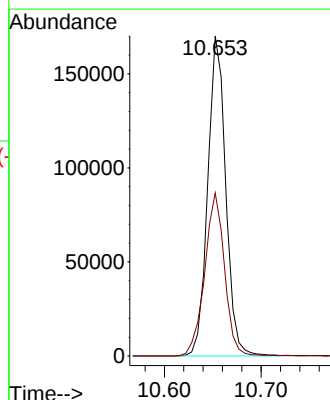
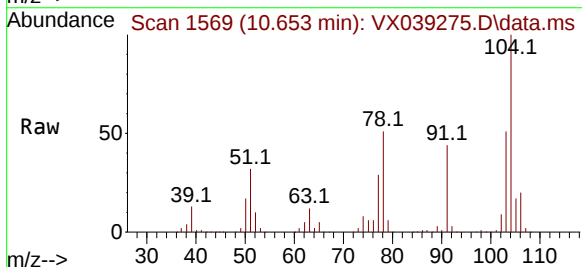
Acq: 16 Dec 2023 09:14

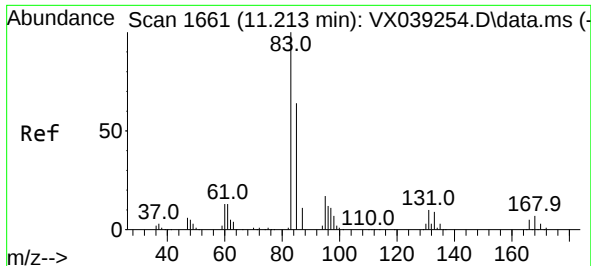
Tgt Ion:104 Resp: 220450

Ion Ratio Lower Upper

104 100

78 51.0 33.5 62.1





#57

1,1,2,2-Tetrachloroethane

Concen: 52.086 ug/L

RT: 11.207 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

YCHE9MS

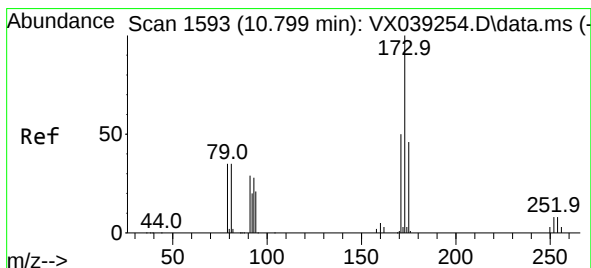
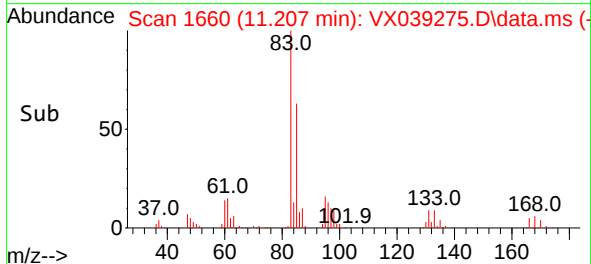
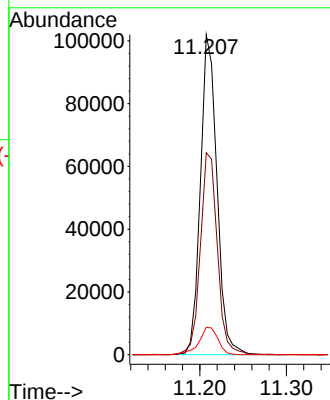
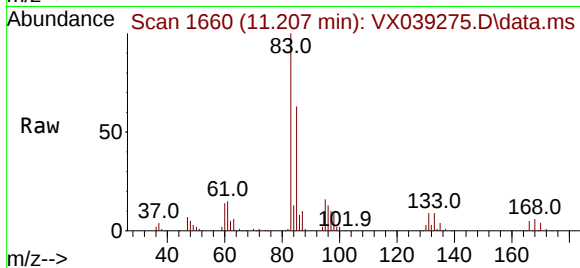
Tgt Ion: 83 Resp: 135195

Ion Ratio Lower Upper

83 100

85 63.1 45.2 84.0

131 8.6 7.2 10.8



#59

Bromoform

Concen: 46.849 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

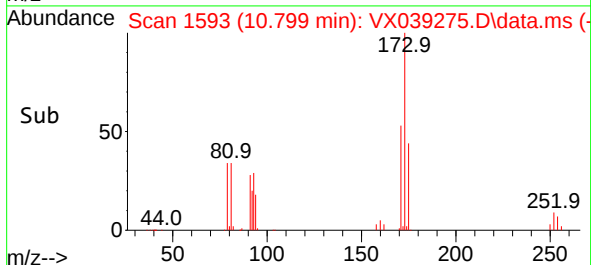
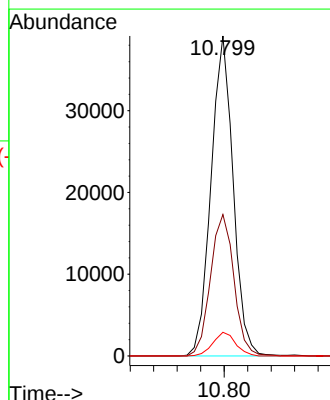
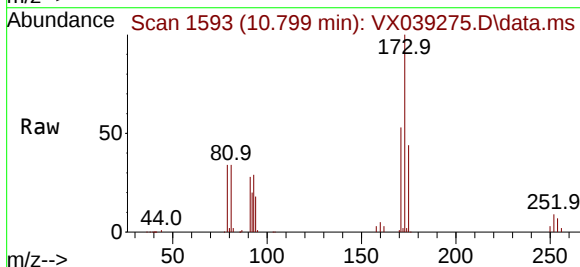
Tgt Ion:173 Resp: 51111

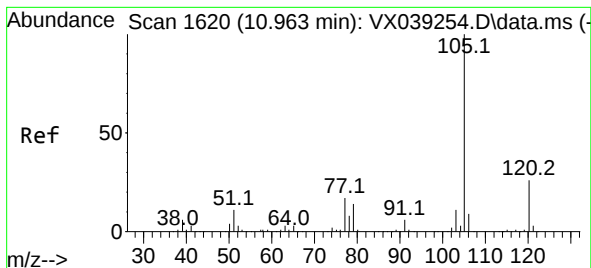
Ion Ratio Lower Upper

173 100

175 46.9 38.7 58.1

254 7.6 6.2 9.2





#60

Isopropylbenzene

Concen: 51.103 ug/L

RT: 10.964 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

YCHE9MS

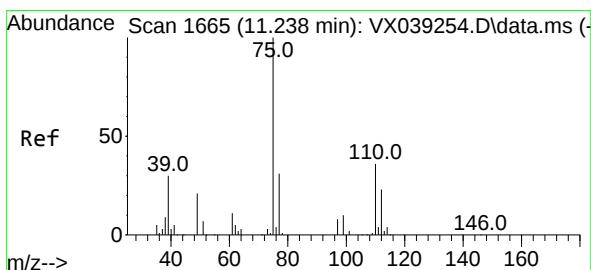
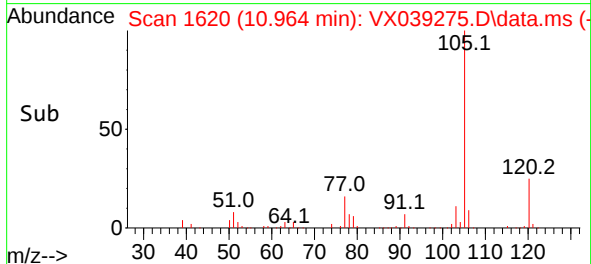
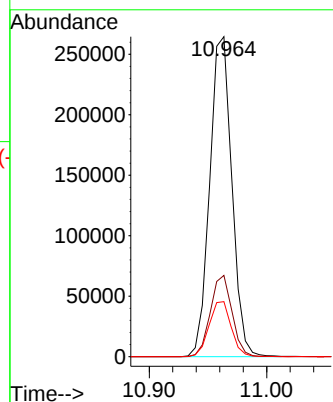
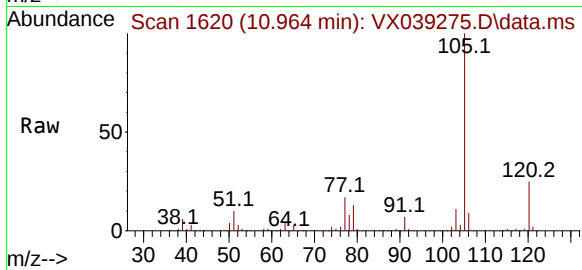
Tgt Ion:105 Resp: 346631

Ion Ratio Lower Upper

105 100

120 24.9 20.5 30.7

77 17.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 51.123 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

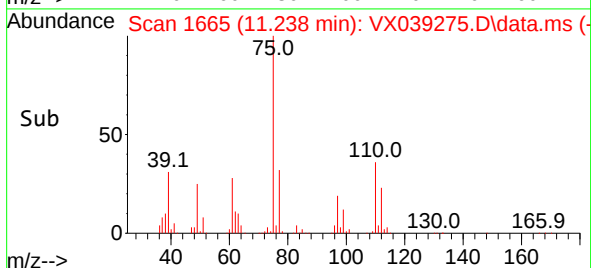
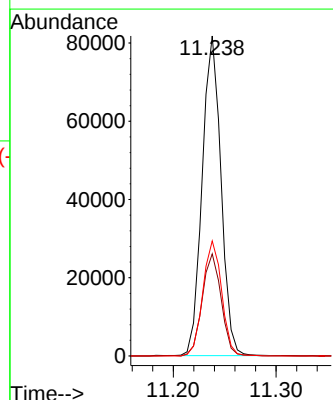
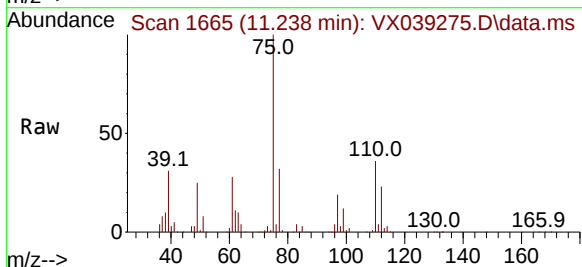
Tgt Ion: 75 Resp: 103958

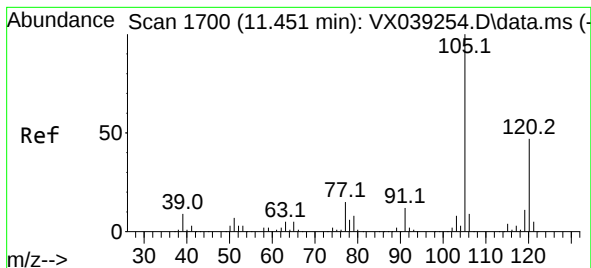
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

110 36.1 28.4 42.6





#62

1,3,5-Trimethylbenzene

Concen: 50.914 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

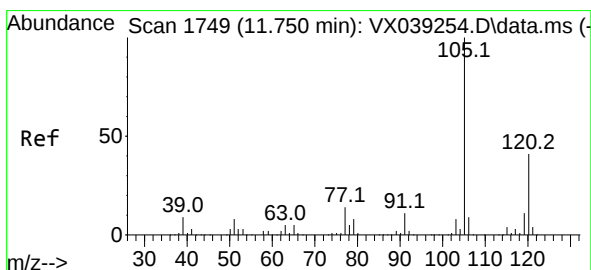
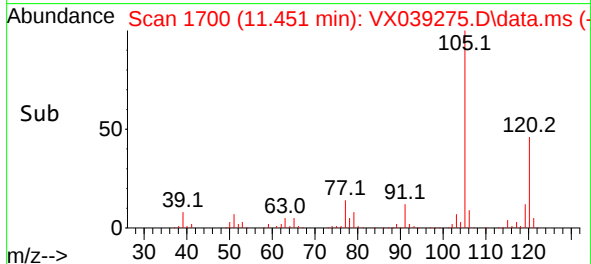
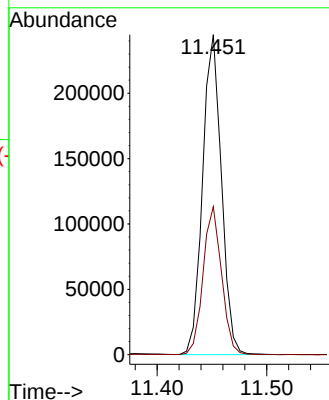
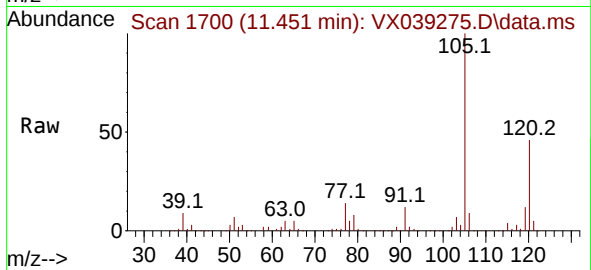
YCHE9MS

Tgt Ion:105 Resp: 291564

Ion Ratio Lower Upper

105 100

120 45.4 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 51.637 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX039275.D

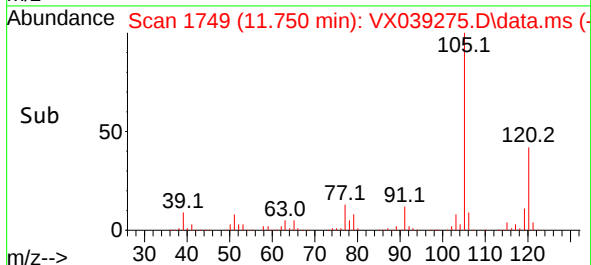
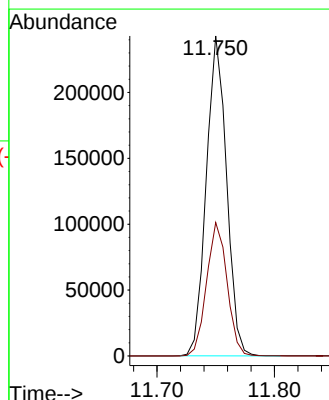
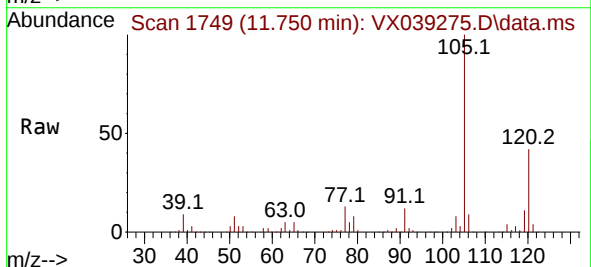
Acq: 16 Dec 2023 09:14

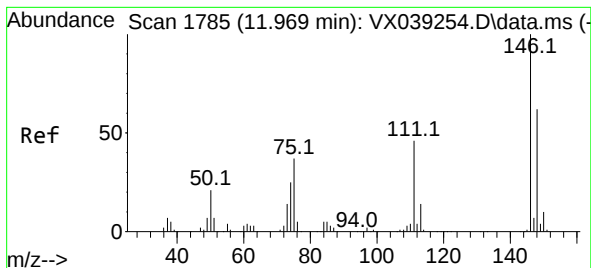
Tgt Ion:105 Resp: 289950

Ion Ratio Lower Upper

105 100

120 42.1 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 50.133 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

YCHE9MS

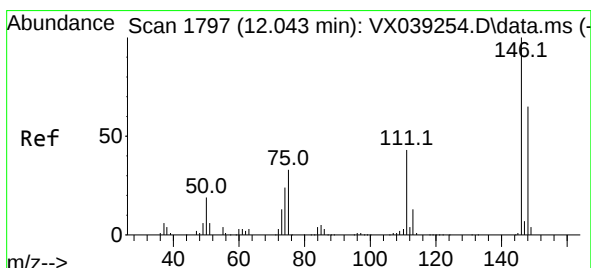
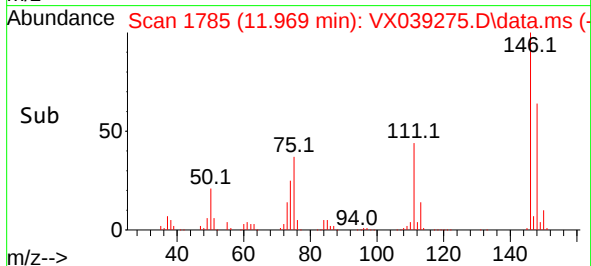
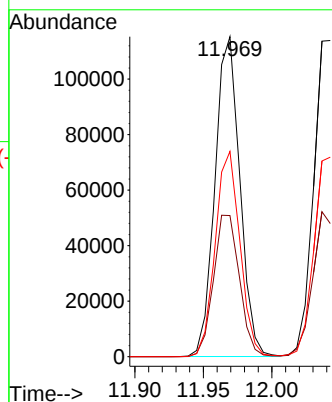
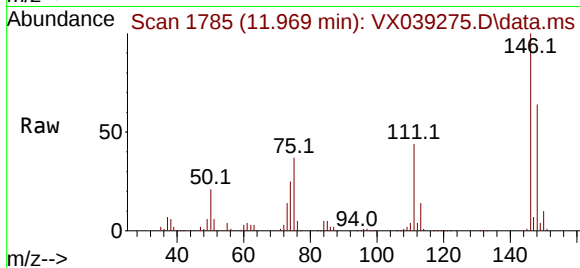
Tgt Ion:146 Resp: 145550

Ion Ratio Lower Upper

146 100

111 44.1 30.0 55.6

148 64.1 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 49.736 ug/L

RT: 12.043 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

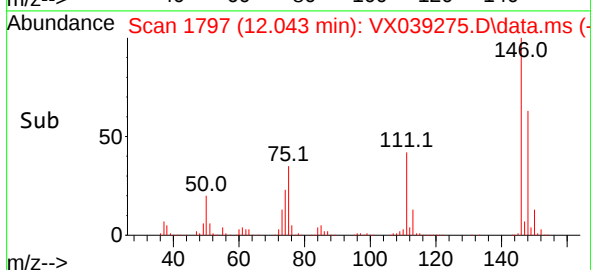
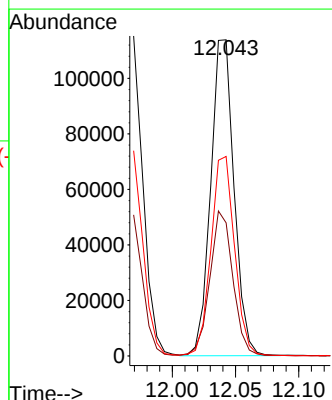
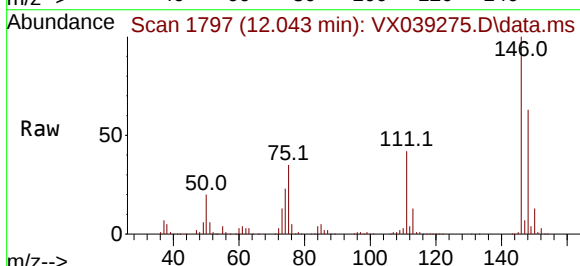
Tgt Ion:146 Resp: 146323

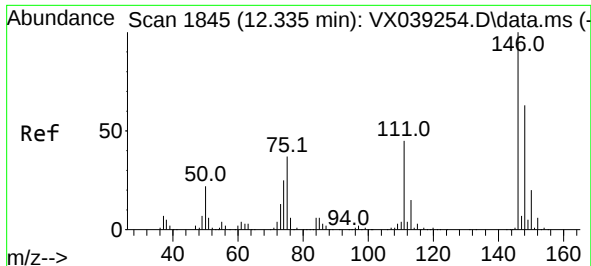
Ion Ratio Lower Upper

146 100

111 42.1 29.7 55.1

148 63.1 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 51.386 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

Instrument :

MSVOA\_X

ClientSampleId :

YCHE9MS

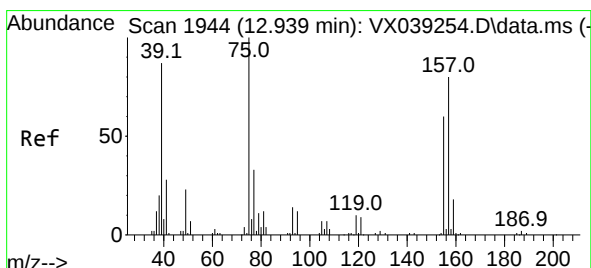
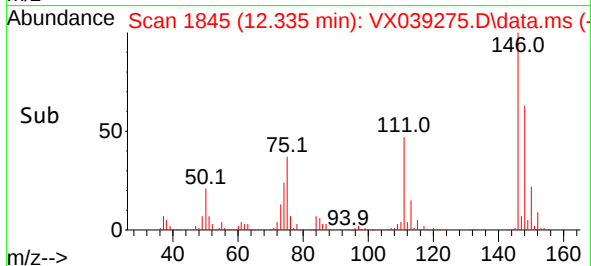
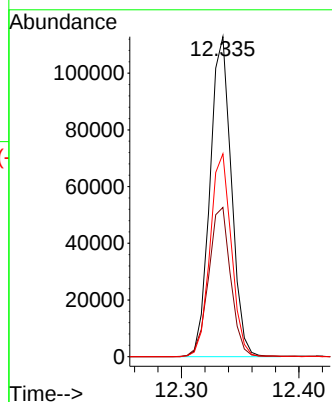
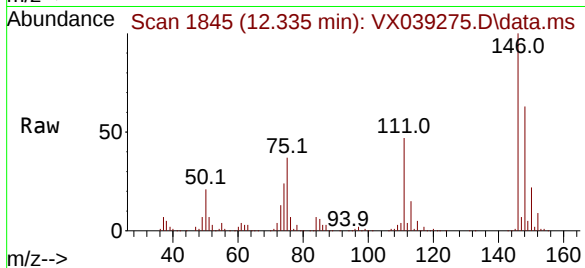
Tgt Ion:146 Resp: 142710

Ion Ratio Lower Upper

146 100

111 46.7 36.4 54.6

148 63.4 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 50.605 ug/L

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX039275.D

Acq: 16 Dec 2023 09:14

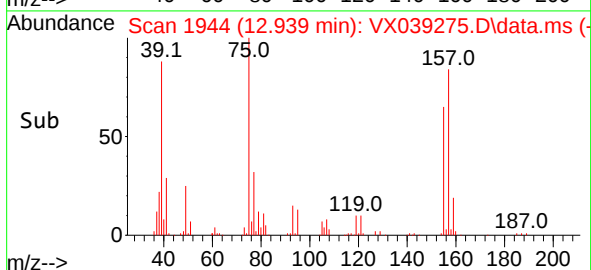
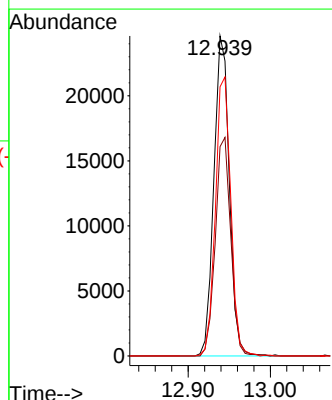
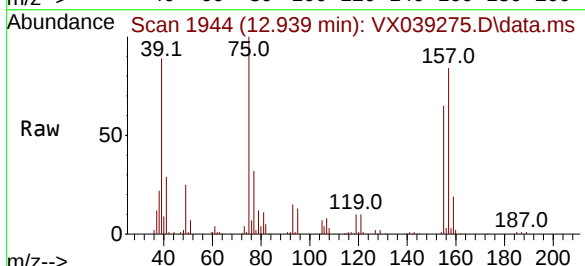
Tgt Ion: 75 Resp: 32116

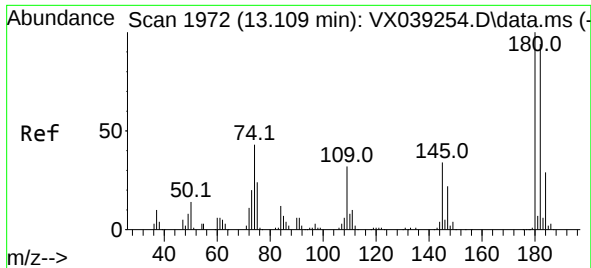
Ion Ratio Lower Upper

75 100

155 65.4 52.3 78.5

157 84.1 68.7 103.1

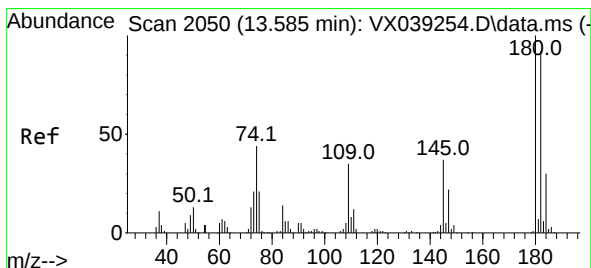
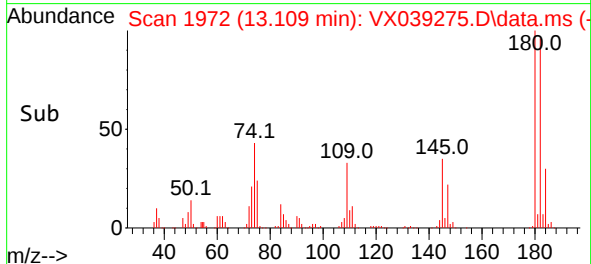
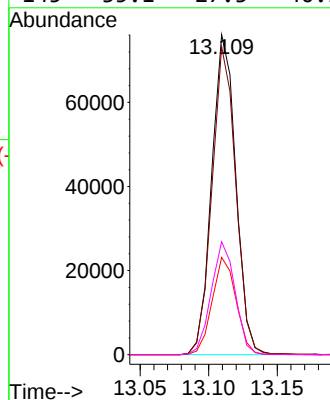
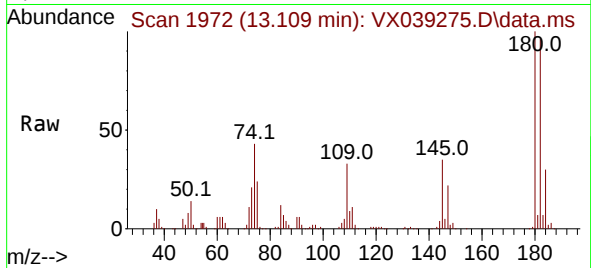




#69  
 1,3,5-Trichlorobenzene  
 Concen: 48.370 ug/L  
 RT: 13.109 min Scan# 1972  
 Delta R.T. -0.000 min  
 Lab File: VX039275.D  
 Acq: 16 Dec 2023 09:14

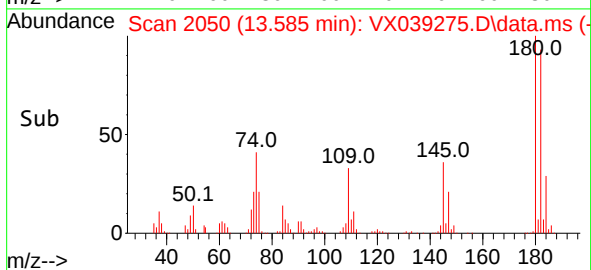
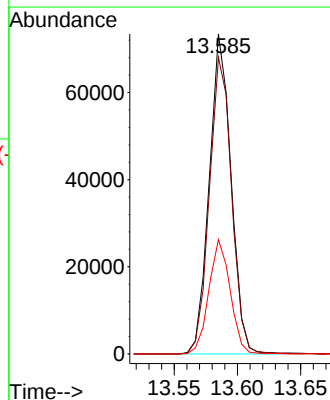
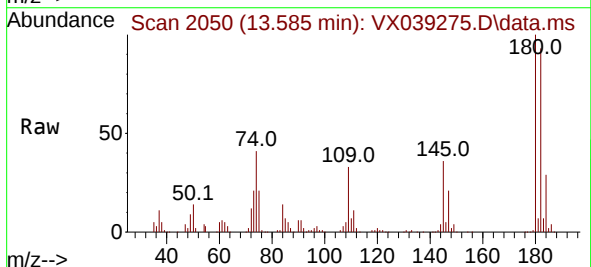
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHE9MS

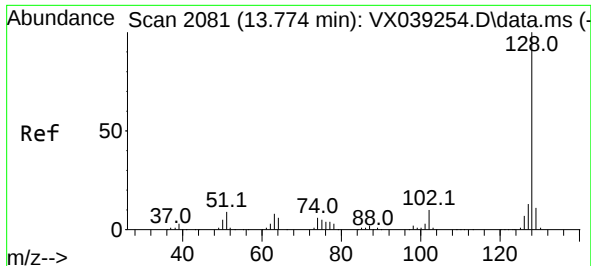
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 92871      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.9  | 76.1 114.1 |
| 184         | 30.3  | 24.1 36.1  |
| 145         | 35.1  | 27.3 40.9  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 48.586 ug/L  
 RT: 13.585 min Scan# 2050  
 Delta R.T. -0.000 min  
 Lab File: VX039275.D  
 Acq: 16 Dec 2023 09:14

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 87942      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.5  | 76.8 115.2 |
| 145         | 35.0  | 27.8 41.6  |

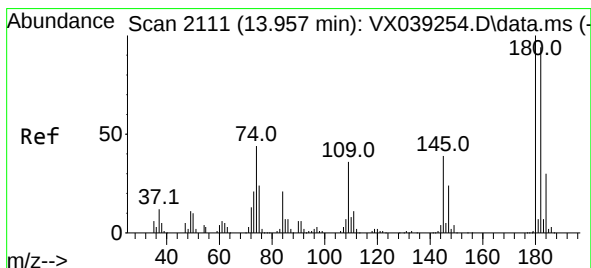
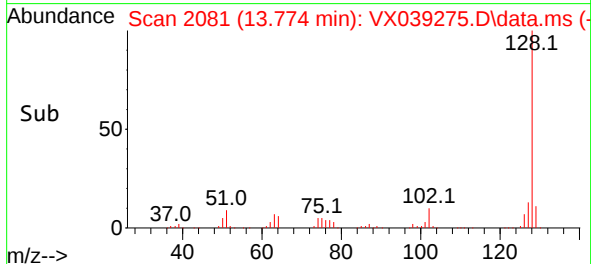
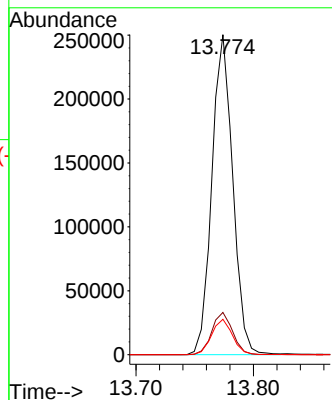
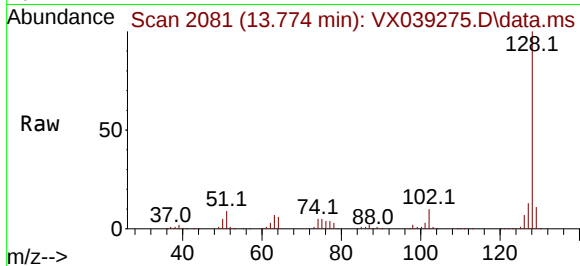




#71  
Naphthalene  
Concen: 49.811 ug/L  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE9MS

Tgt Ion:128 Resp: 309207  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.2 15.4  
129 11.1 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 50.074 ug/L  
RT: 13.957 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: VX039275.D  
Acq: 16 Dec 2023 09:14

Tgt Ion:180 Resp: 87760  
Ion Ratio Lower Upper  
180 100  
182 93.9 75.9 113.9  
145 37.2 28.6 42.8

