

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW022924\  
 Data File : VW034473.D  
 Acq On : 29 Feb 2024 10:45  
 Operator : SY/MD  
 Sample : VSTD200  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 01 00:59:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 01 00:56:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114  | 311901   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117  | 290523   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152  | 158276   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 555919   | 227.828 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.526  | 69   | 406617   | 208.414 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.057  | 65   | 253665   | 236.400 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.780  | 46   | 799169   | 471.214 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.246  | 84   | 980766   | 222.589 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65   | 661454   | 231.294 | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.957  | 84   | 1830518  | 218.538 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67   | 555388   | 205.534 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.243  | 98   | 1662219  | 220.400 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.548  | 79   | 306440   | 227.801 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.024  | 63   | 617446   | 522.068 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84   | 747103   | 213.614 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152  | 685115   | 225.108 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 627798   | 225.910 | ug/L  | 99       |
| 3) Chloromethane              | 1.217  | 50   | 609909   | 201.122 | ug/L  | 100      |
| 5) Vinyl chloride             | 1.282  | 62   | 606447   | 208.216 | ug/L  | 100      |
| 6) Bromomethane               | 1.487  | 94   | 371256   | 238.359 | ug/L  | 100      |
| 8) Chloroethane               | 1.542  | 64   | 325854   | 187.938 | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.709  | 101  | 917784   | 250.636 | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 487038   | 230.662 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96   | 456983   | 231.004 | ug/L  | 94       |
| 13) Acetone                   | 2.118  | 43   | 795318   | 472.400 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.237  | 76   | 1315495  | 204.608 | ug/L  | 100      |
| 15) Methyl Acetate            | 2.372  | 43   | 568988   | 216.116 | ug/L  | 98       |
| 16) Methylene chloride        | 2.446  | 84   | 475069   | 202.730 | ug/L  | 97       |
| 17) trans-1,2-Dichloroethene  | 2.690  | 96   | 441985   | 206.243 | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 2.703  | 73   | 1634442  | 212.178 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.108  | 63   | 865664   | 199.570 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.809  | 96   | 495602   | 208.442 | ug/L  | 96       |
| 22) 2-Butanone                | 3.860  | 43   | 841391   | 430.949 | ug/L  | 95       |
| 23) Bromochloromethane        | 4.143  | 128  | 255519   | 217.684 | ug/L  | 97       |
| 25) Chloroform                | 4.272  | 83   | 884816   | 211.351 | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 753033   | 215.481 | ug/L  | 100      |
| 29) Cyclohexane               | 4.581  | 56   | 753306   | 185.180 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 823100   | 225.548 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.732  | 117  | 732466   | 233.885 | ug/L  | 99       |
| 33) Benzene                   | 5.008  | 78   | 1786534  | 205.808 | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 501731   | 213.639 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.050  | 83   | 776863   | 196.709 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 469111   | 199.164 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 667641   | 212.271 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 807185   | 203.017 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 1442304  | 412.163 | ug/L  | 99       |
| 42) Toluene                   | 7.314  | 91   | 1906212  | 207.322 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 791133   | 217.107 | ug/L  | 99       |

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 Acq On : 29 Feb 2024 10:45  
 Operator : SY/MD  
 Sample : VSTD200  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

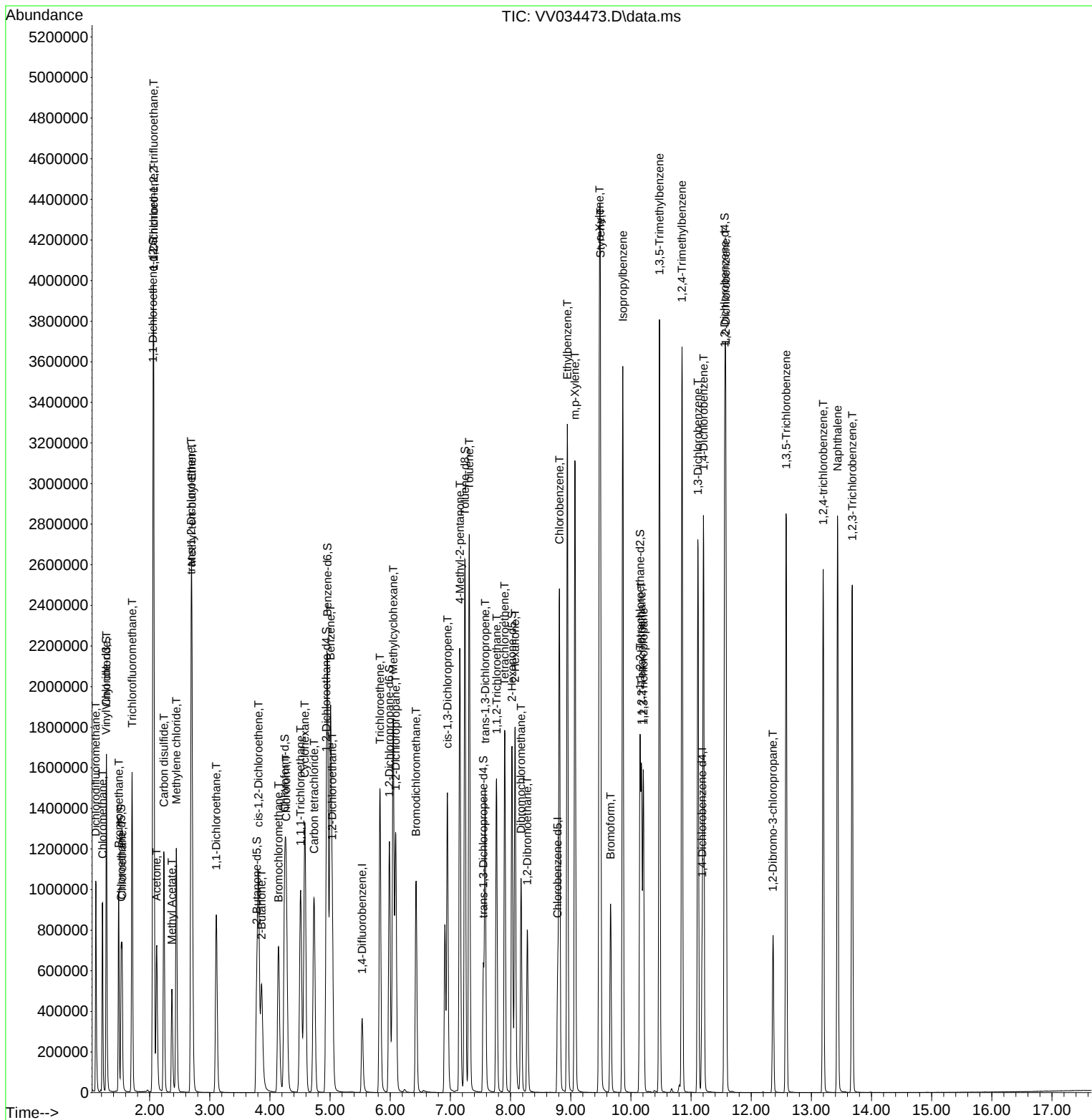
Instrument :  
 MSVOA\_V  
 ClientSampleId :

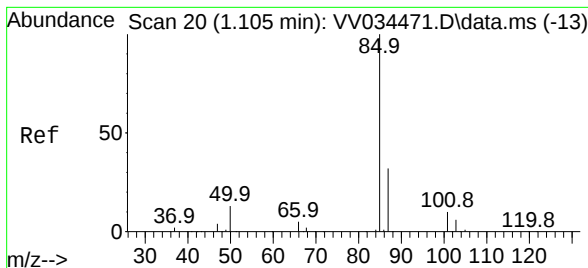
Quant Time: Mar 01 00:59:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 01 00:56:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 450054   | 207.754 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 374373   | 216.029 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.076  | 43   | 1160443  | 414.516 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.175  | 129  | 498928   | 219.324 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 479329   | 208.835 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.812  | 112  | 1233600  | 211.444 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.944  | 91   | 2181129  | 206.144 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 817785   | 209.733 | ug/L  | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 803275   | 207.299 | ug/L  | 98       |
| 55) Styrene                   | 9.494  | 104  | 1385355  | 207.711 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 686332   | 200.843 | ug/L  | 100      |
| 59) Bromoform                 | 9.664  | 173  | 378766   | 222.490 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.867  | 105  | 2189443  | 201.100 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 576399   | 201.663 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 1897741  | 203.210 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 1907642  | 205.984 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 1030660  | 208.948 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 1051106  | 212.513 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 1030256  | 213.221 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.362 | 75   | 188767   | 227.496 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 810876   | 221.872 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.198 | 180  | 725314   | 218.152 | ug/L  | 98       |
| 71) Naphthalene               | 13.435 | 128  | 2087809  | 236.820 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 697465   | 222.193 | ug/L  | 100      |

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

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Response via : Initial Calibration

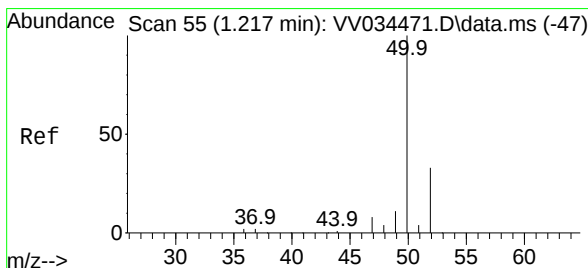
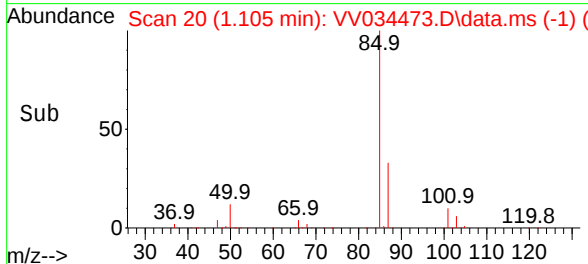
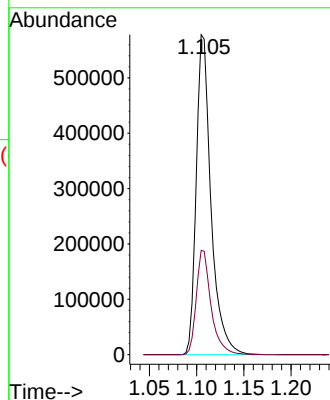
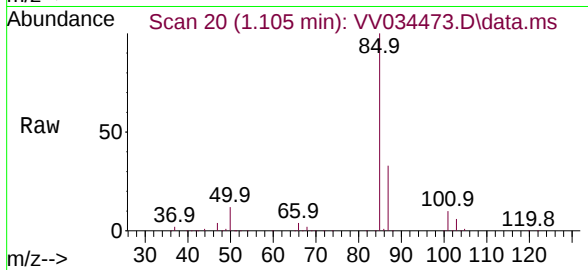




#2  
Dichlorodifluoromethane  
Concen: 225.910 ug/L  
RT: 1.105 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

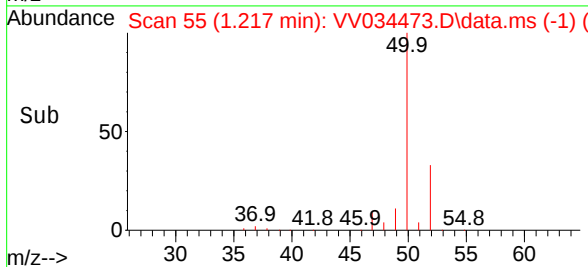
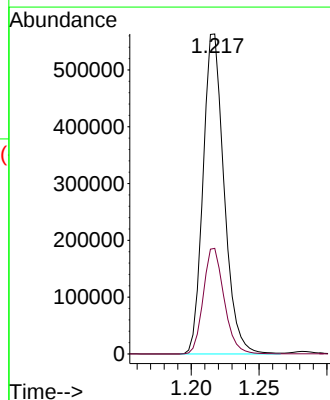
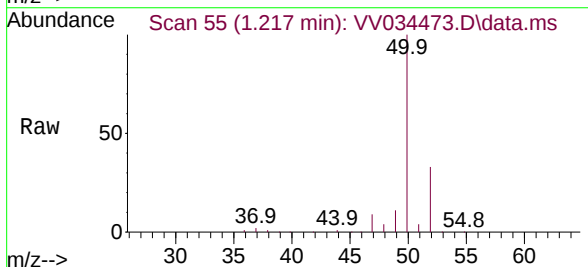
Instrument :  
MSVOA\_V  
ClientSampleId :

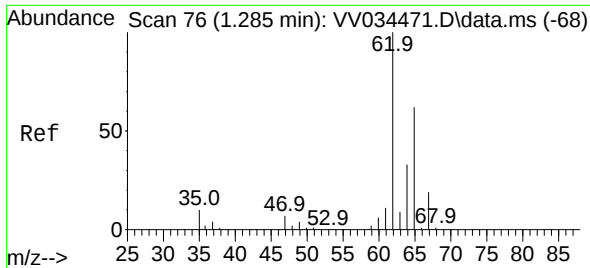
Tgt Ion: 85 Resp: 627798  
Ion Ratio Lower Upper  
85 100  
87 32.6 25.5 38.3



#3  
Chloromethane  
Concen: 201.122 ug/L  
RT: 1.217 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion: 50 Resp: 609909  
Ion Ratio Lower Upper  
50 100  
52 33.0 23.0 42.8

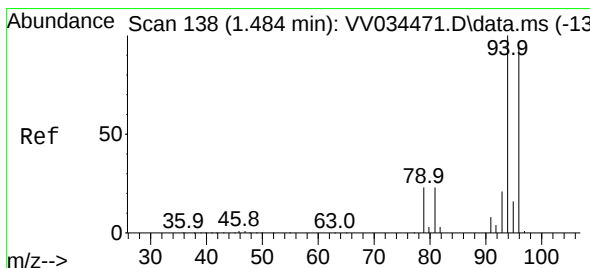
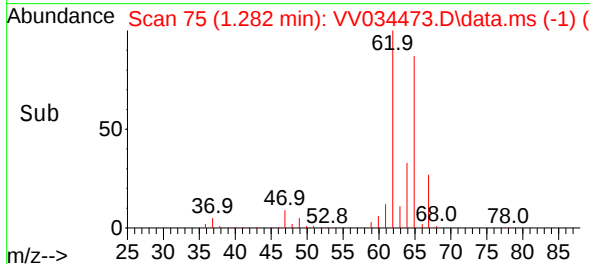
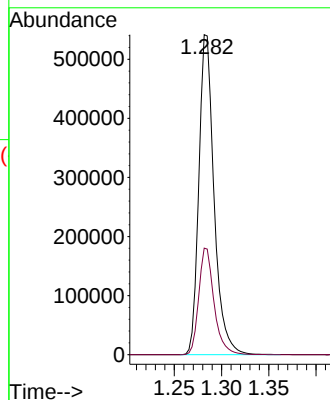
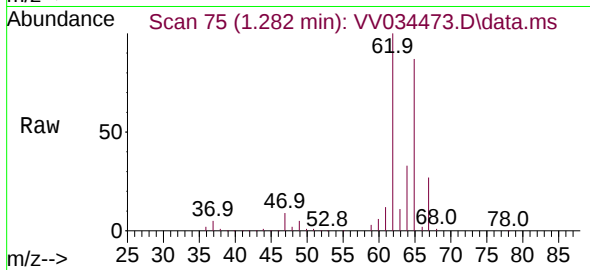




#5  
 Vinyl chloride  
 Concen: 208.216 ug/L  
 RT: 1.282 min Scan# 76  
 Delta R.T. -0.003 min  
 Lab File: VV034473.D  
 Acq: 29 Feb 2024 10:45

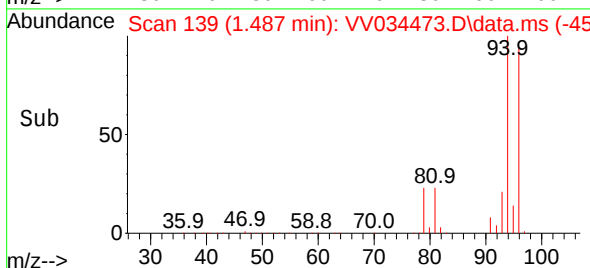
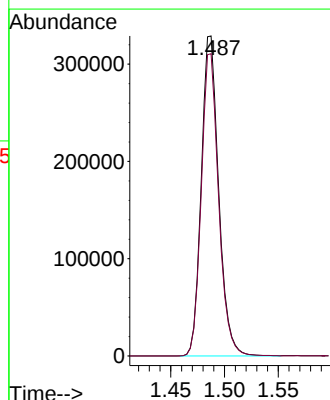
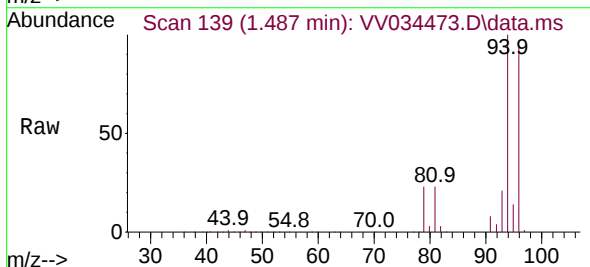
Instrument :  
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 ClientSampleId :

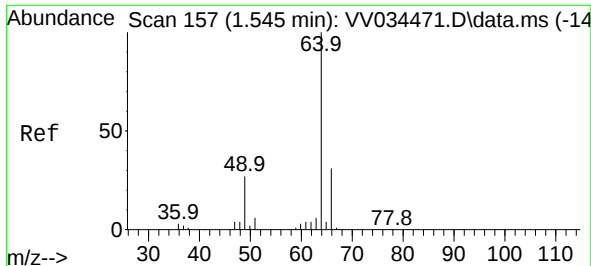
Tgt Ion: 62 Resp: 606447  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 23.4 43.6



#6  
 Bromomethane  
 Concen: 238.359 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. 0.003 min  
 Lab File: VV034473.D  
 Acq: 29 Feb 2024 10:45

Tgt Ion: 94 Resp: 371256  
 Ion Ratio Lower Upper  
 94 100  
 96 94.5 66.0 122.6

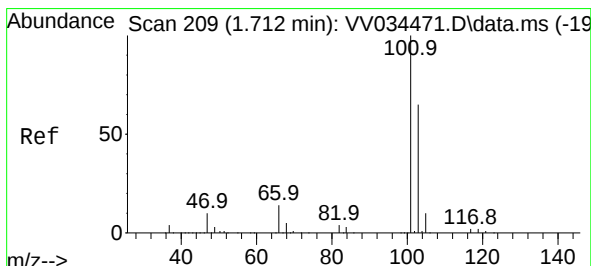
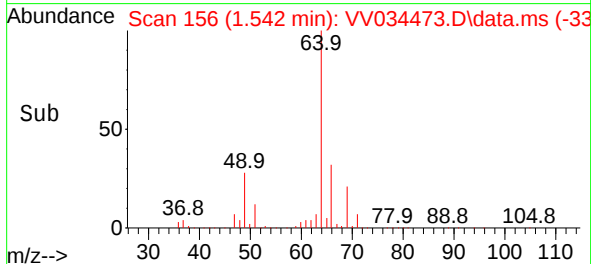
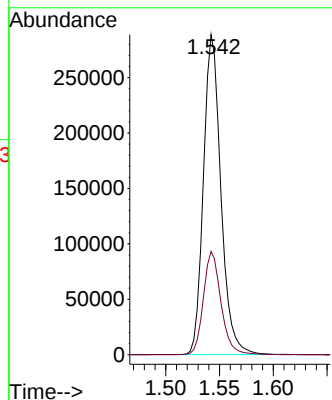
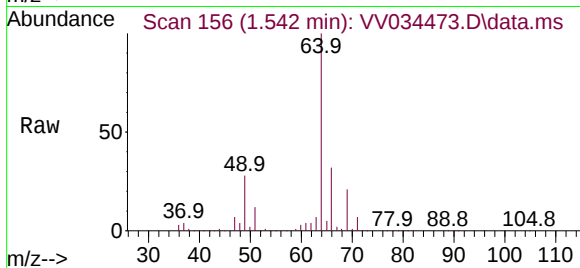




#8  
Chloroethane  
Concen: 187.938 ug/L  
RT: 1.542 min Scan# 156  
Delta R.T. -0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

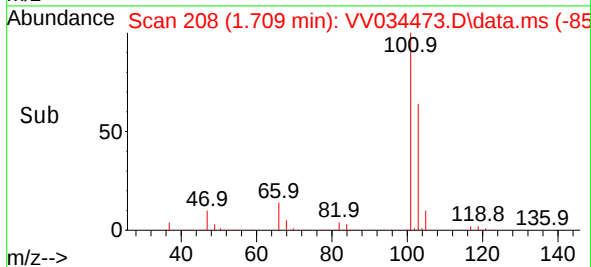
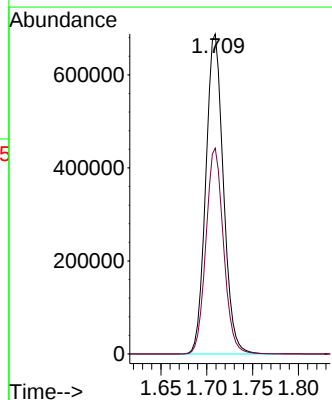
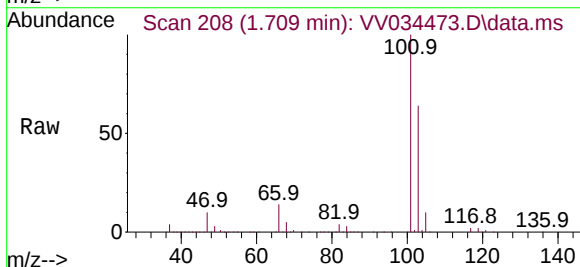
Instrument :  
MSVOA\_V  
ClientSampleId :

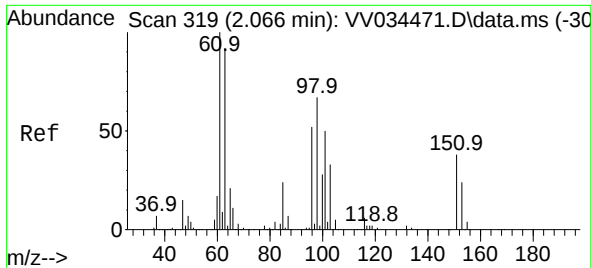
Tgt Ion: 64 Resp: 325854  
Ion Ratio Lower Upper  
64 100  
66 32.3 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 250.636 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. -0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion:101 Resp: 917784  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.8 77.8

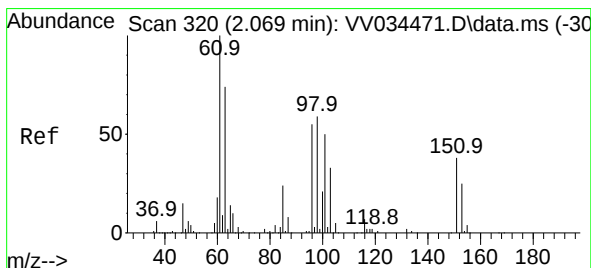
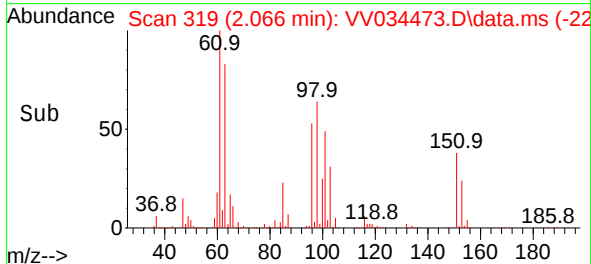
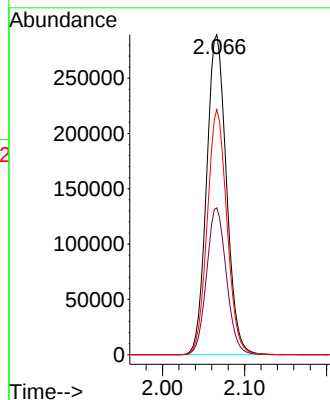
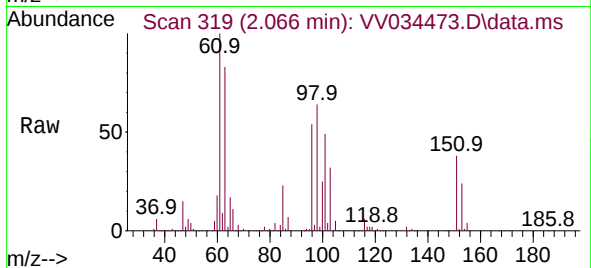




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 230.662 ug/L  
RT: 2.066 min Scan# 319  
Delta R.T. 0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

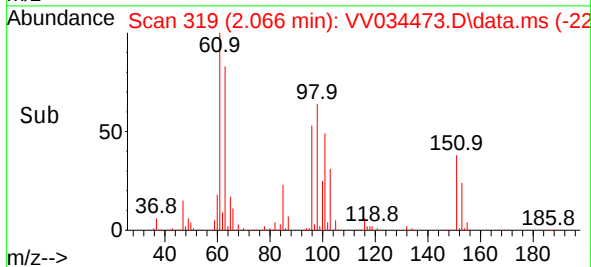
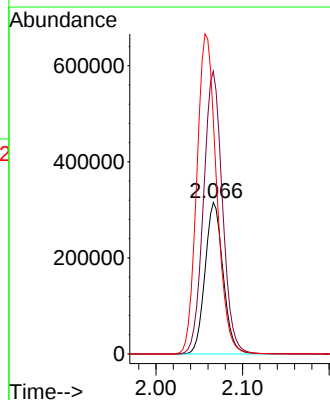
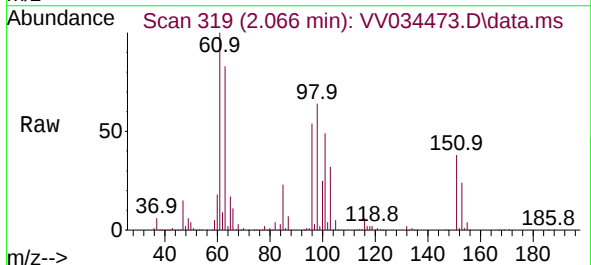
Instrument :  
MSVOA\_V  
ClientSampleId :

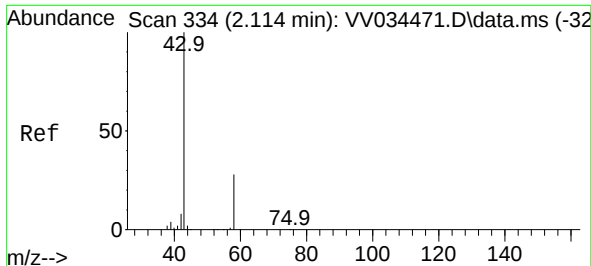
Tgt Ion:101 Resp: 487038  
Ion Ratio Lower Upper  
101 100  
85 45.8 37.4 56.0  
151 76.0 61.4 92.2



#12  
1,1-Dichloroethene  
Concen: 231.004 ug/L  
RT: 2.066 min Scan# 319  
Delta R.T. -0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion: 96 Resp: 456983  
Ion Ratio Lower Upper  
96 100  
61 186.9 128.9 239.3  
63 154.9 98.0 182.0





#13

Acetone

Concen: 472.400 ug/L

RT: 2.118 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

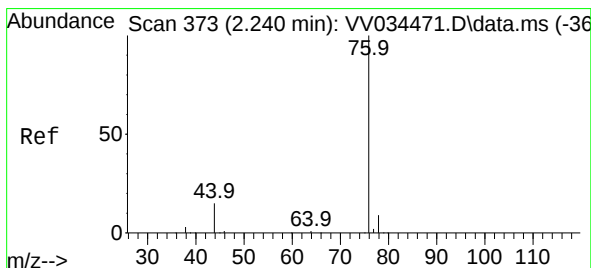
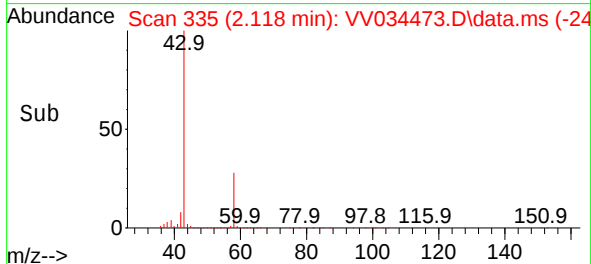
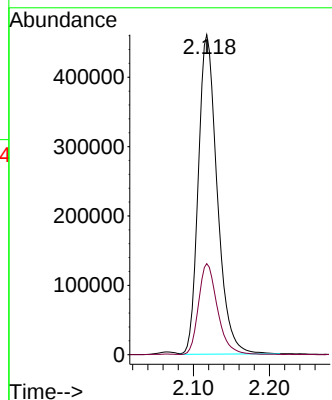
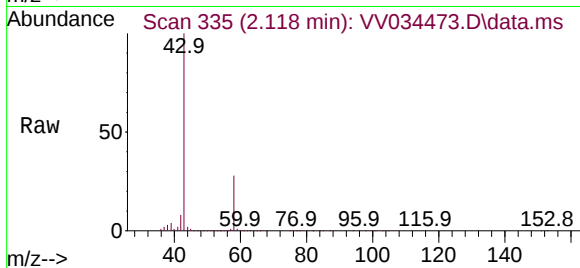
ClientSampleId :

Tgt Ion: 43 Resp: 795318

Ion Ratio Lower Upper

43 100

58 28.5 0.0 57.2



#14

Carbon disulfide

Concen: 204.608 ug/L

RT: 2.237 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV034473.D

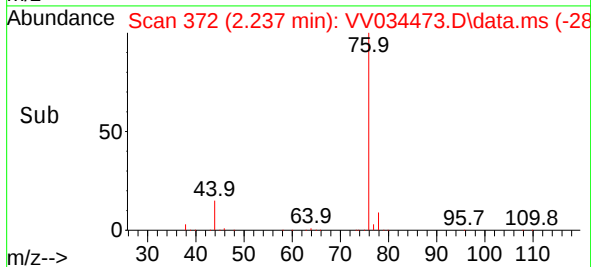
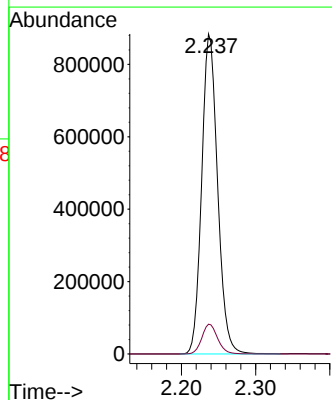
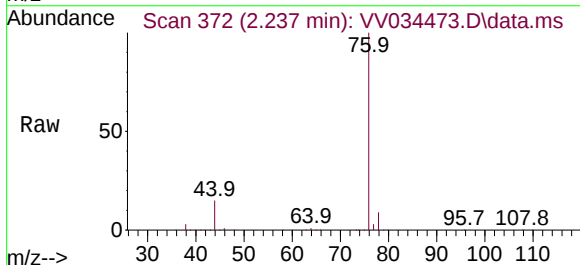
Acq: 29 Feb 2024 10:45

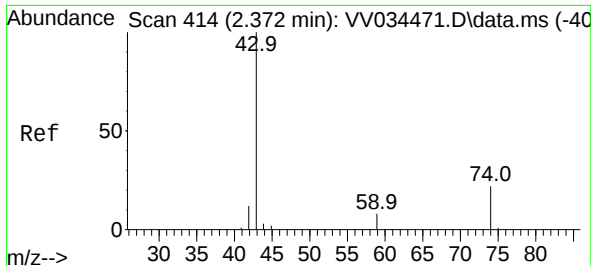
Tgt Ion: 76 Resp: 1315495

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#15

Methyl Acetate

Concen: 216.116 ug/L

RT: 2.372 min Scan# 414

Delta R.T. -0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

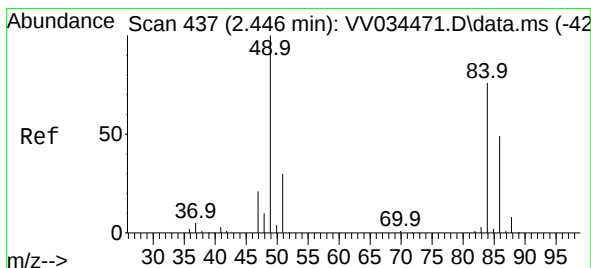
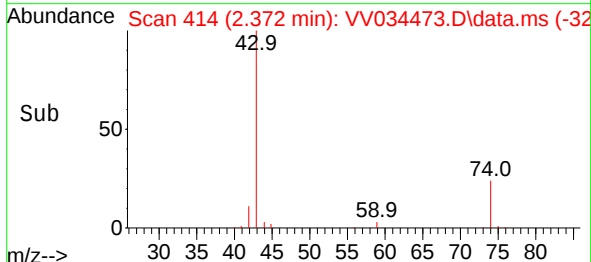
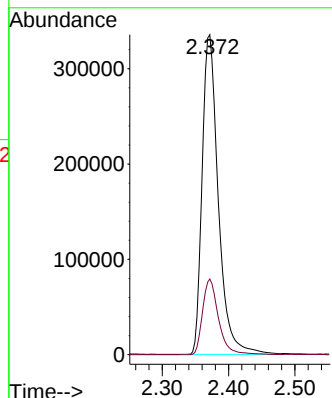
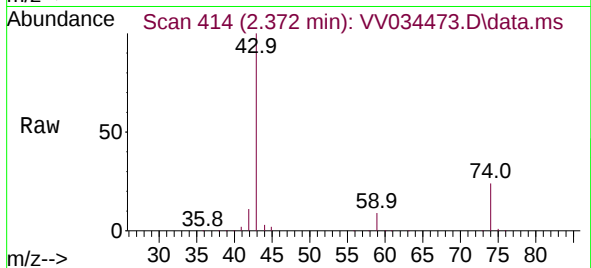
ClientSampleId :

Tgt Ion: 43 Resp: 568988

Ion Ratio Lower Upper

43 100

74 23.3 17.8 26.8



#16

Methylene chloride

Concen: 202.730 ug/L

RT: 2.446 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

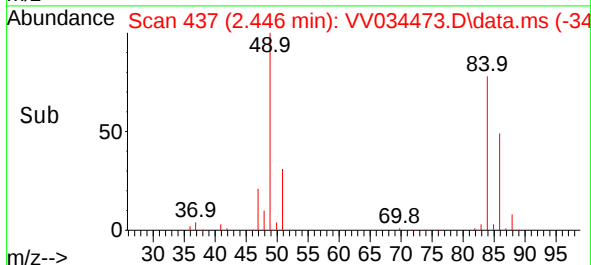
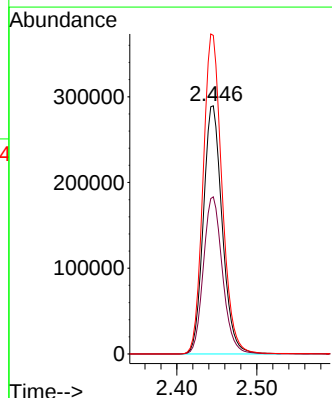
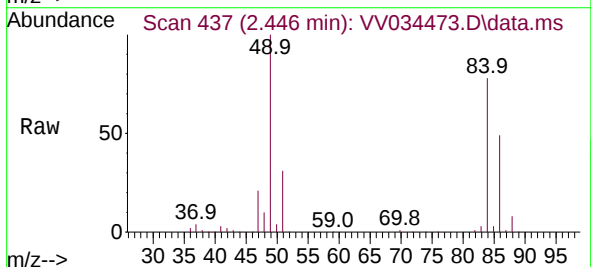
Tgt Ion: 84 Resp: 475069

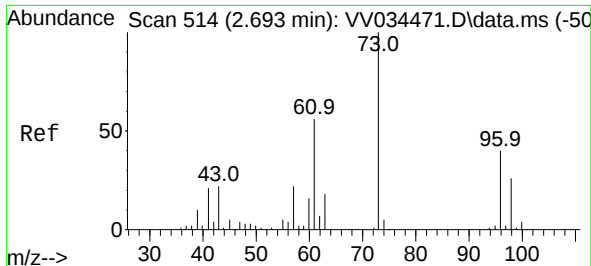
Ion Ratio Lower Upper

84 100

86 63.3 45.6 84.6

49 128.4 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 206.243 ug/L

RT: 2.690 min Scan# 514

Delta R.T. -0.003 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

ClientSampleId :

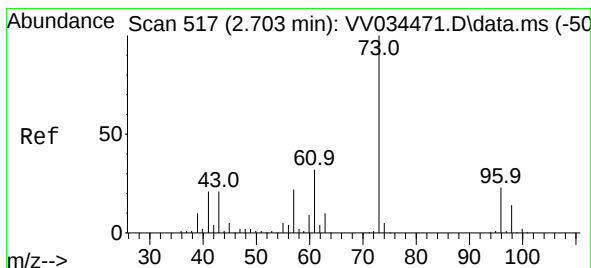
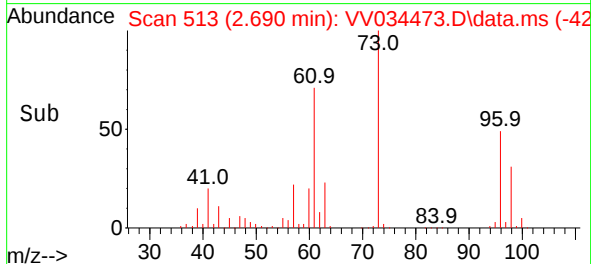
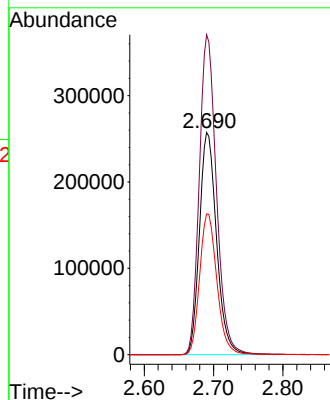
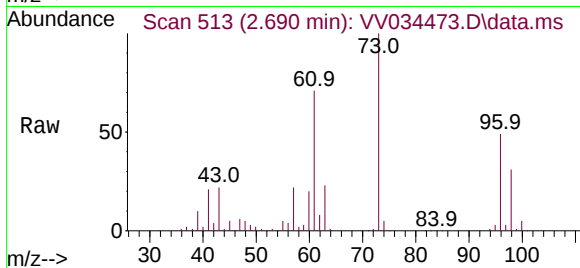
Tgt Ion: 96 Resp: 441985

Ion Ratio Lower Upper

96 100

61 144.0 98.8 183.4

98 63.4 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 212.178 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

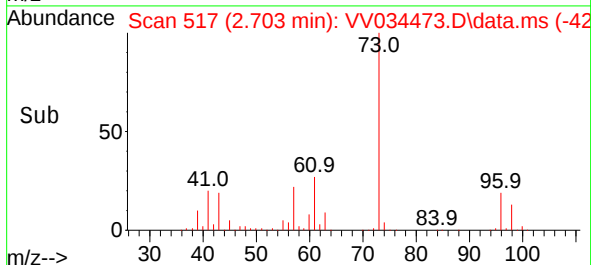
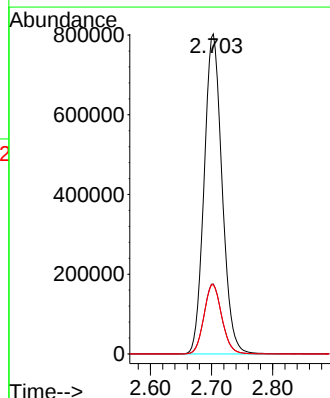
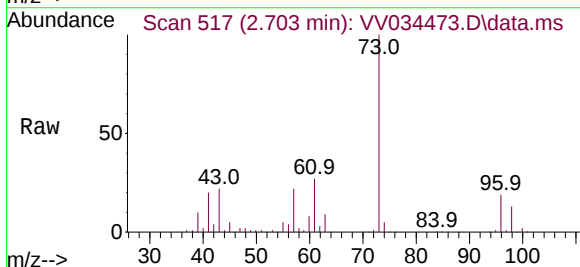
Tgt Ion: 73 Resp: 1634442

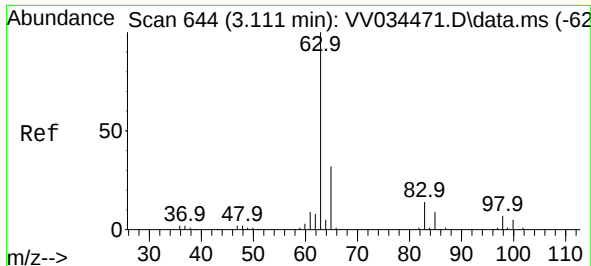
Ion Ratio Lower Upper

73 100

43 21.6 17.1 25.7

57 21.6 17.6 26.4





#19

1,1-Dichloroethane

Concen: 199.570 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

ClientSampleId :

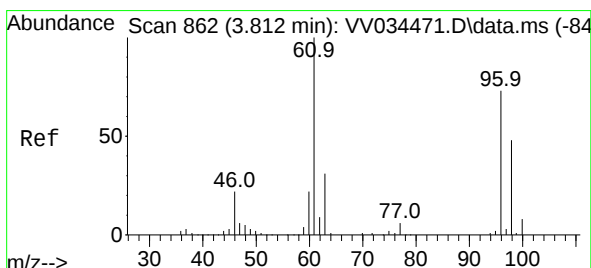
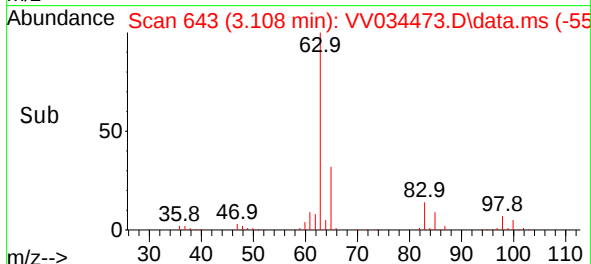
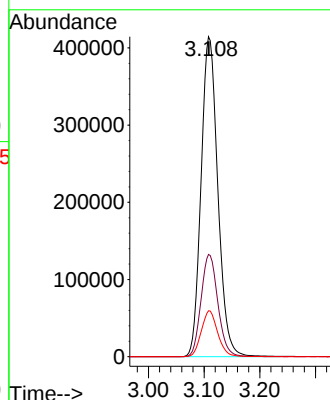
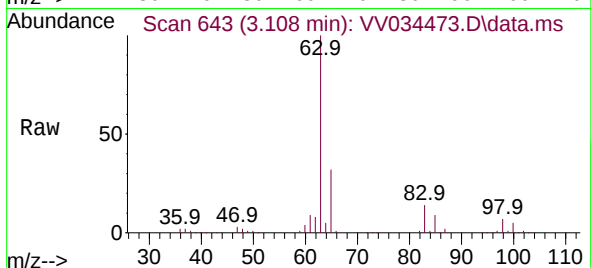
Tgt Ion: 63 Resp: 865664

Ion Ratio Lower Upper

63 100

65 31.9 22.1 41.1

83 14.4 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 208.442 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.003 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

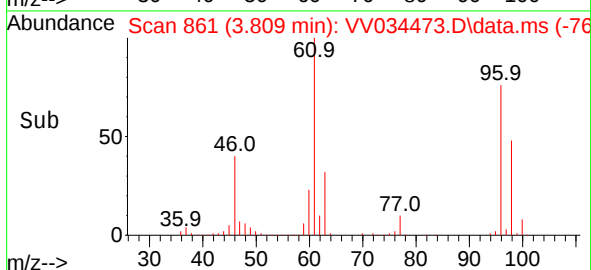
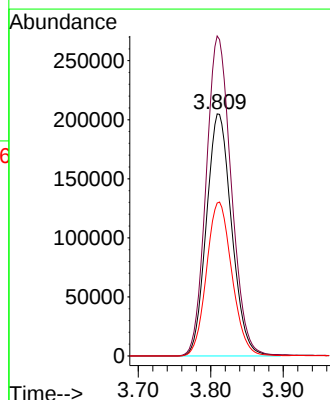
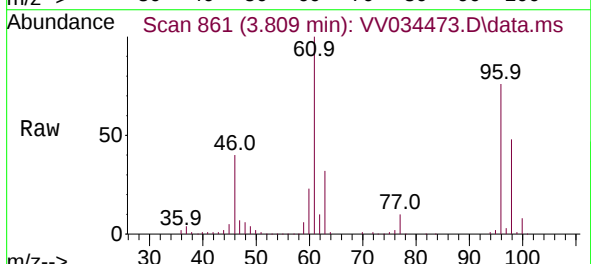
Tgt Ion: 96 Resp: 495602

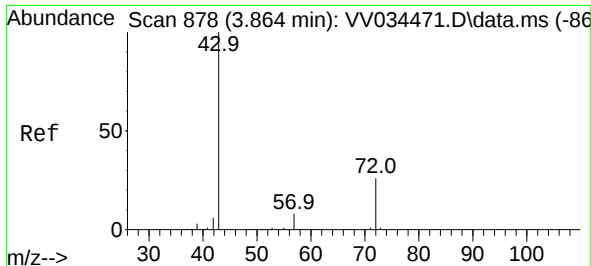
Ion Ratio Lower Upper

96 100

61 132.2 96.0 178.4

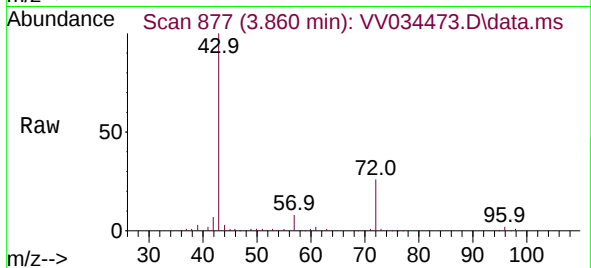
98 63.2 46.0 85.4



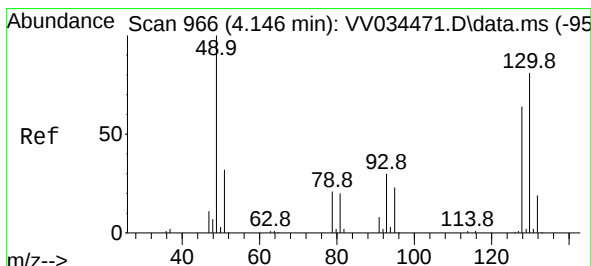
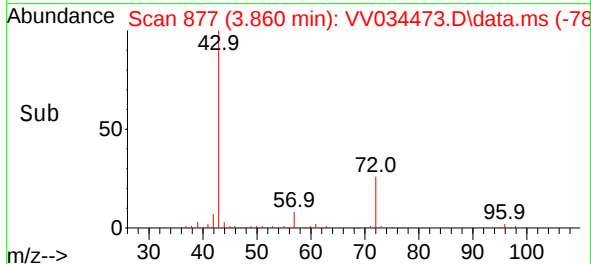
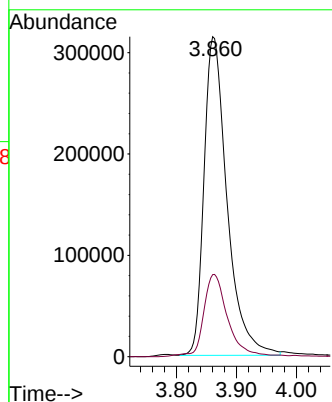


#22  
2-Butanone  
Concen: 430.949 ug/L  
RT: 3.860 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Instrument :  
MSVOA\_V  
ClientSampleId :

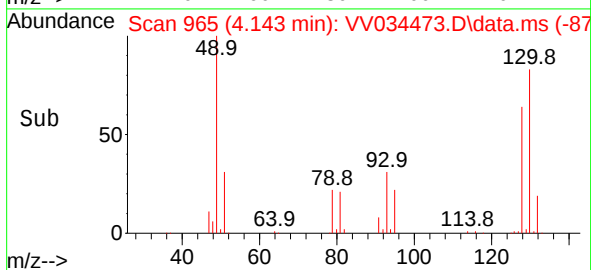
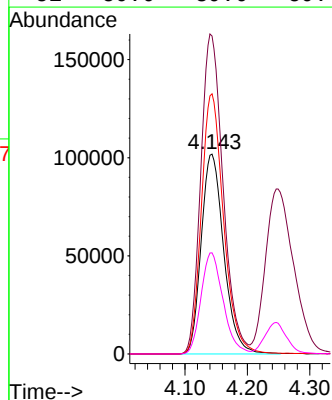
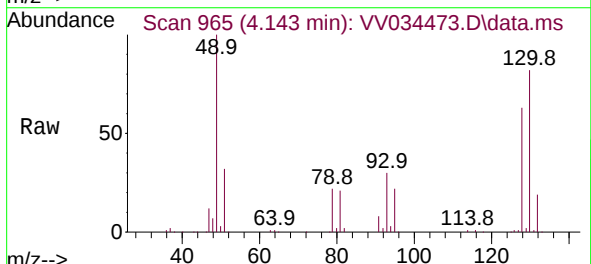


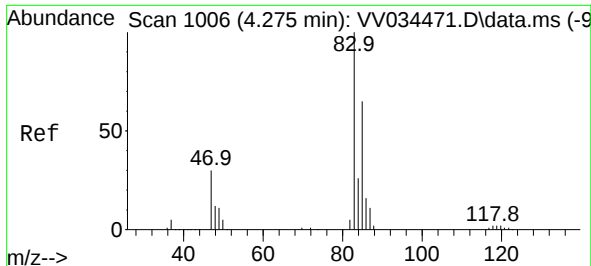
Tgt Ion: 43 Resp: 841391  
Ion Ratio Lower Upper  
43 100  
72 25.2 11.5 34.4



#23  
Bromochloromethane  
Concen: 217.684 ug/L  
RT: 4.143 min Scan# 965  
Delta R.T. -0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion:128 Resp: 255519  
Ion Ratio Lower Upper  
128 100  
49 159.1 109.4 203.2  
130 130.2 87.7 162.9  
51 50.6 39.6 59.4





#25

Chloroform

Concen: 211.351 ug/L

RT: 4.272 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

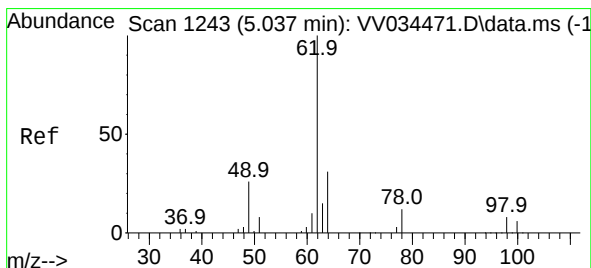
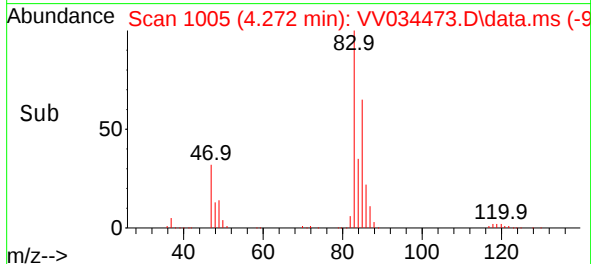
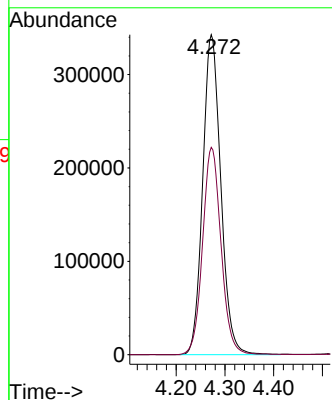
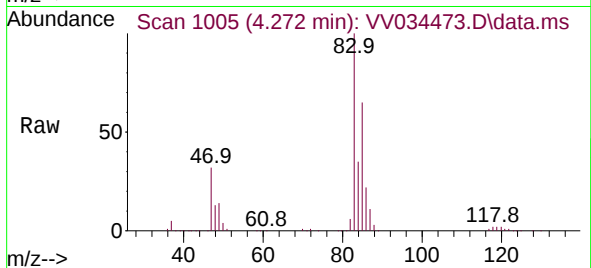
ClientSampleId :

Tgt Ion: 83 Resp: 884816

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5



#27

1,2-Dichloroethane

Concen: 215.481 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV034473.D

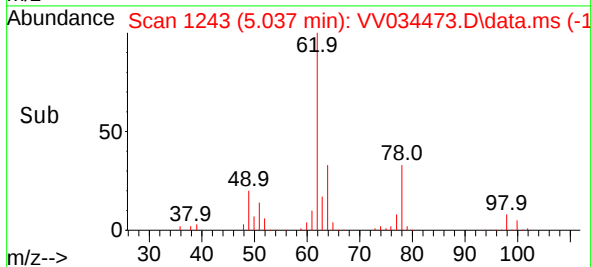
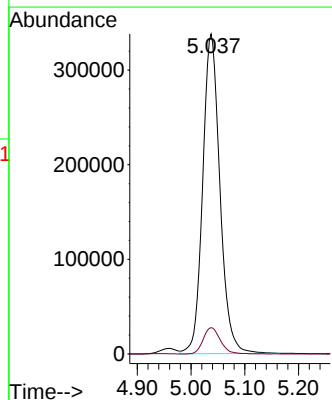
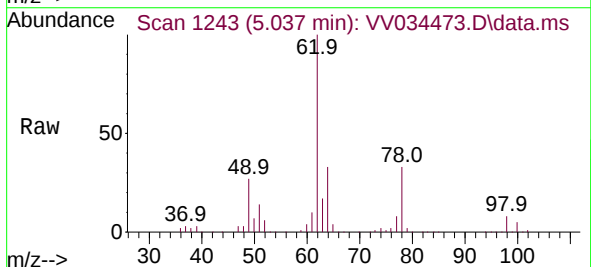
Acq: 29 Feb 2024 10:45

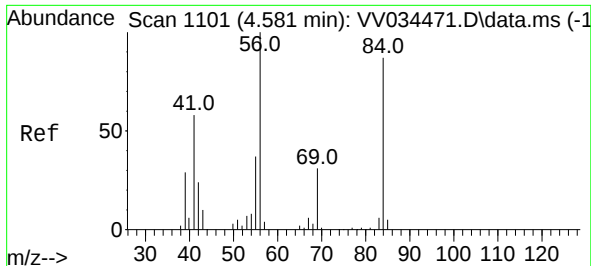
Tgt Ion: 62 Resp: 753033

Ion Ratio Lower Upper

62 100

98 8.2 6.6 10.0





#29

Cyclohexane

Concen: 185.180 ug/L

RT: 4.581 min Scan# 1101

Delta R.T. 0.000 min

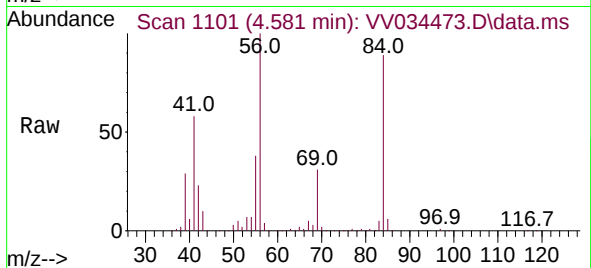
Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

ClientSampleId :



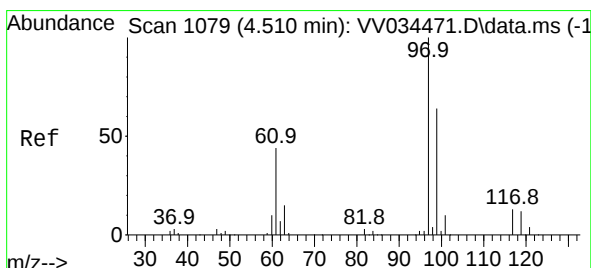
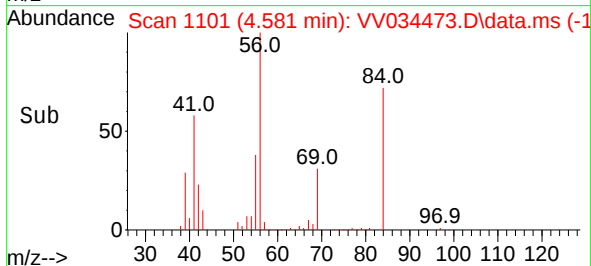
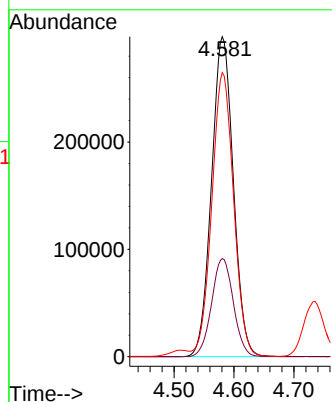
Tgt Ion: 56 Resp: 753306

Ion Ratio Lower Upper

56 100

69 30.6 24.2 36.4

84 88.7 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 225.548 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

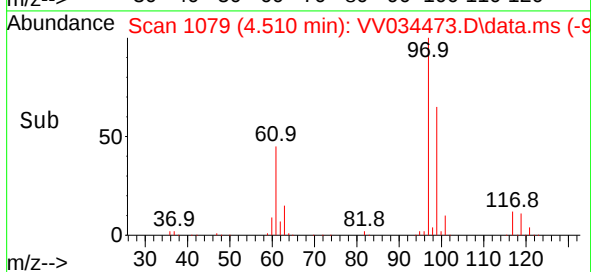
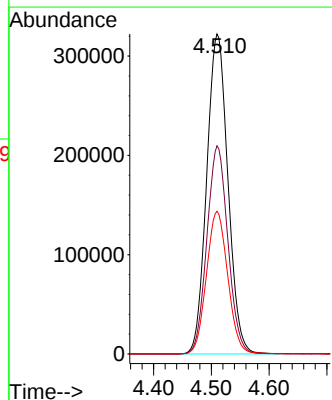
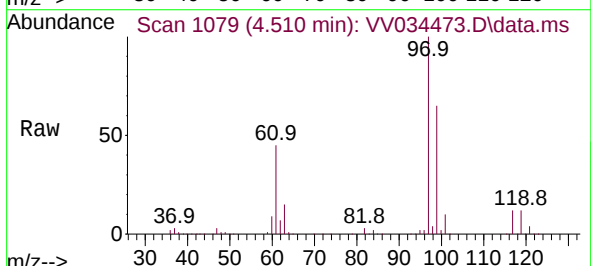
Tgt Ion: 97 Resp: 823100

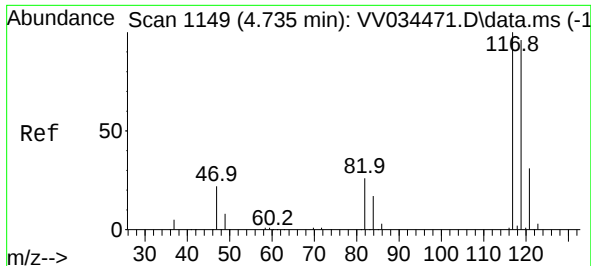
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

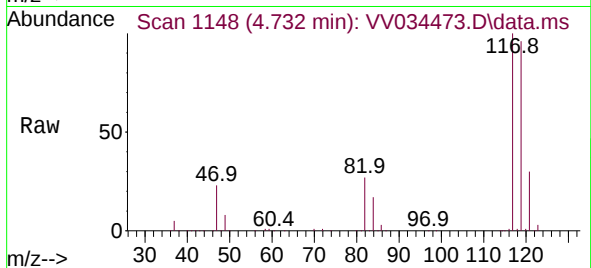
61 44.9 36.0 54.0



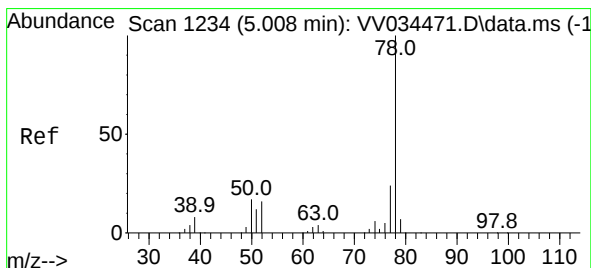
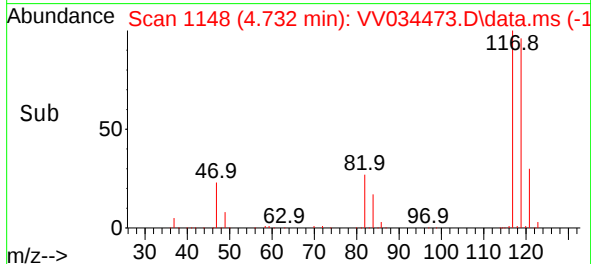
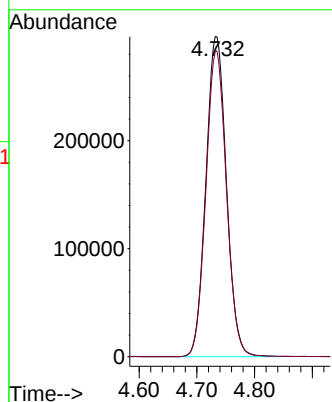


#31  
Carbon tetrachloride  
Concen: 233.885 ug/L  
RT: 4.732 min Scan# 1148  
Delta R.T. -0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Instrument :  
MSVOA\_V  
ClientSampleId :

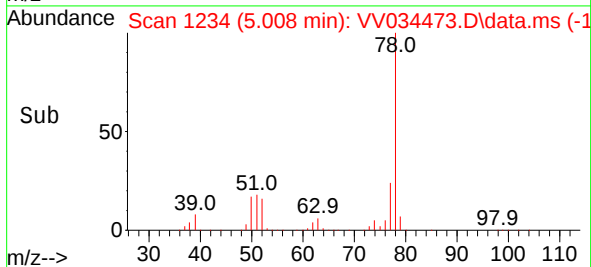
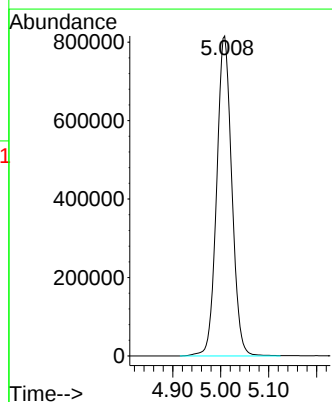
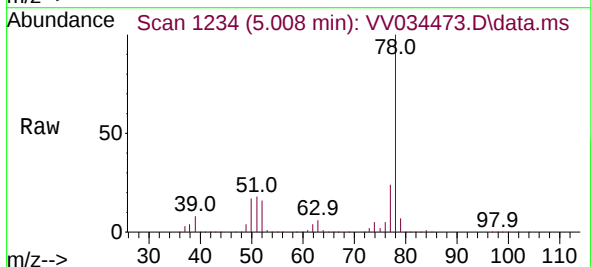


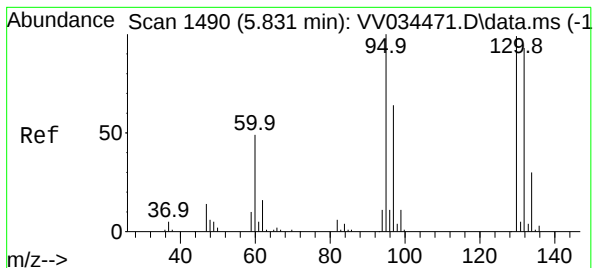
Tgt Ion:117 Resp: 732466  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.5 116.3



#33  
Benzene  
Concen: 205.808 ug/L  
RT: 5.008 min Scan# 1234  
Delta R.T. -0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion: 78 Resp: 1786534





#34

Trichloroethene

Concen: 213.639 ug/L

RT: 5.828 min Scan# 1490

Delta R.T. -0.003 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 501731

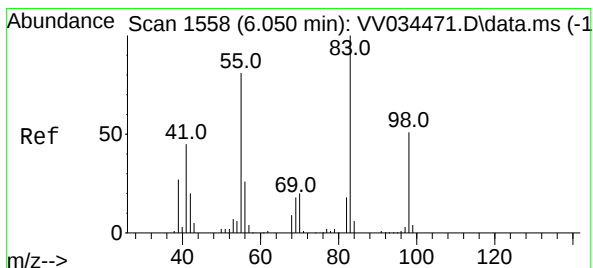
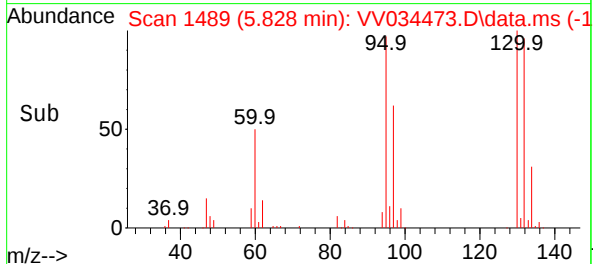
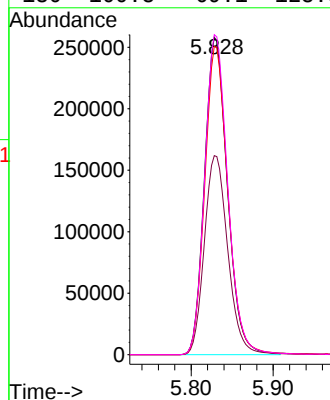
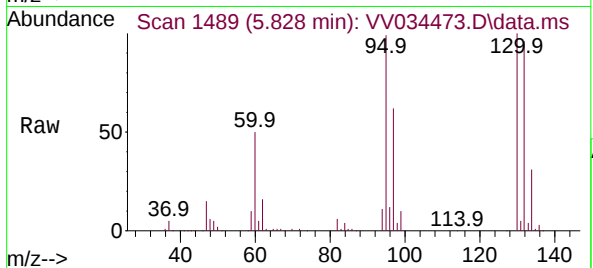
Ion Ratio Lower Upper

95 100

97 62.7 44.7 83.1

132 97.1 65.3 121.3

130 100.8 69.1 128.3



#35

Methylcyclohexane

Concen: 196.709 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

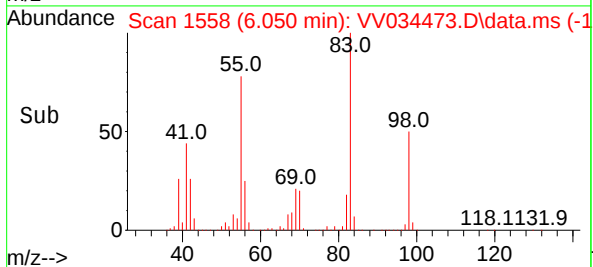
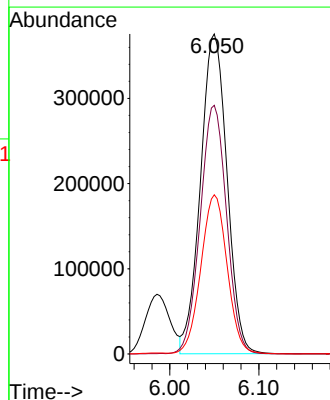
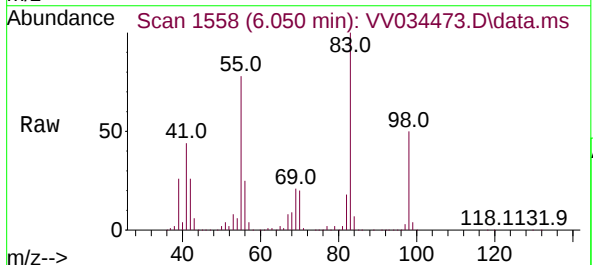
Tgt Ion: 83 Resp: 776863

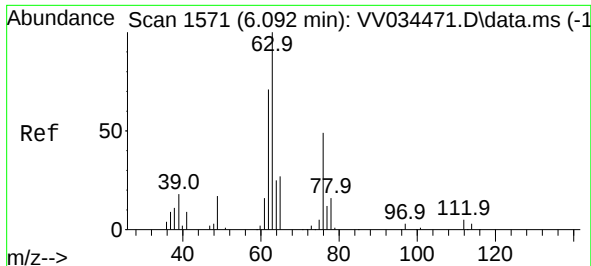
Ion Ratio Lower Upper

83 100

55 77.3 62.6 94.0

98 49.5 39.5 59.3

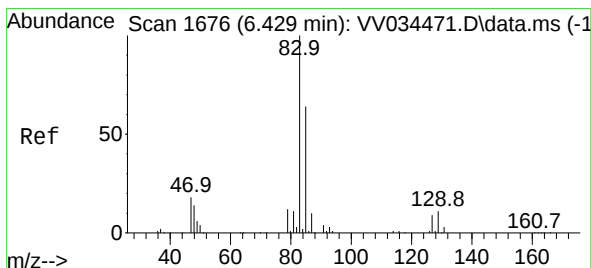
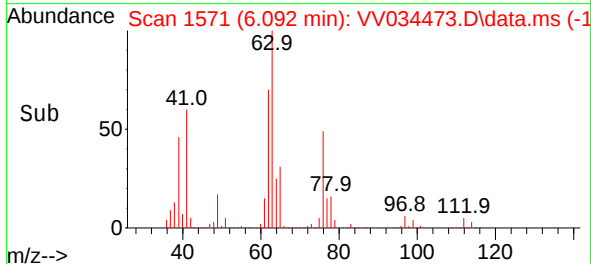
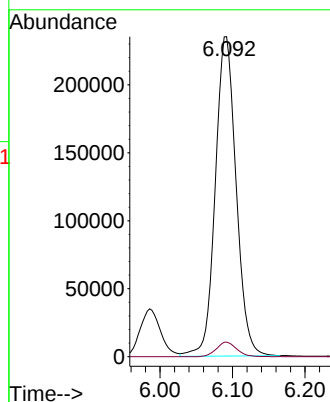
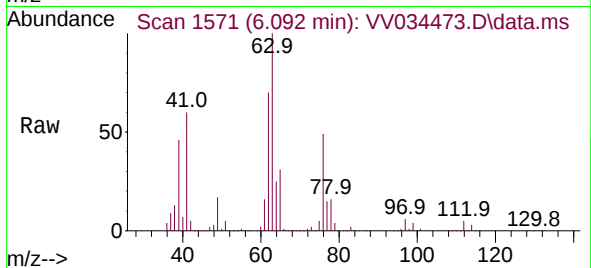




#37  
1,2-Dichloropropane  
Concen: 199.164 ug/L  
RT: 6.092 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

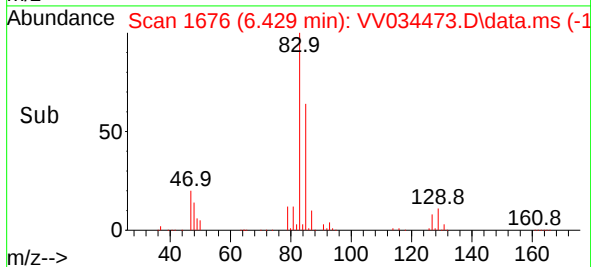
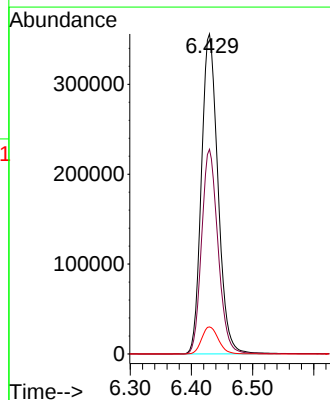
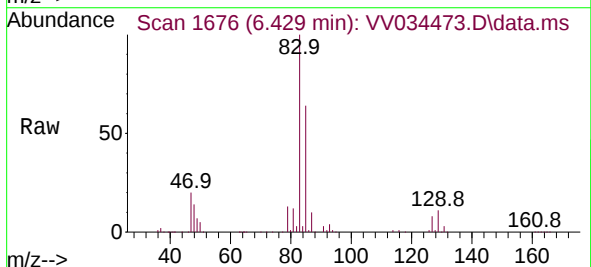
Instrument :  
MSVOA\_V  
ClientSampleId :

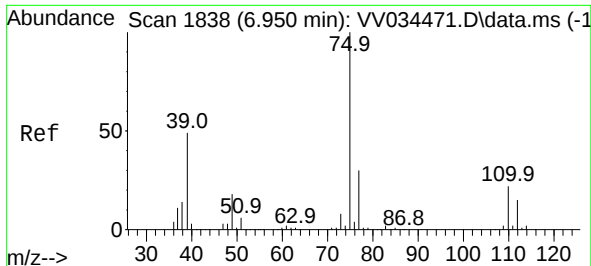
Tgt Ion: 63 Resp: 469111  
Ion Ratio Lower Upper  
63 100  
112 4.5 3.5 5.3



#38  
Bromodichloromethane  
Concen: 212.271 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion: 83 Resp: 667641  
Ion Ratio Lower Upper  
83 100  
85 63.9 44.6 82.8  
127 8.5 6.9 10.3

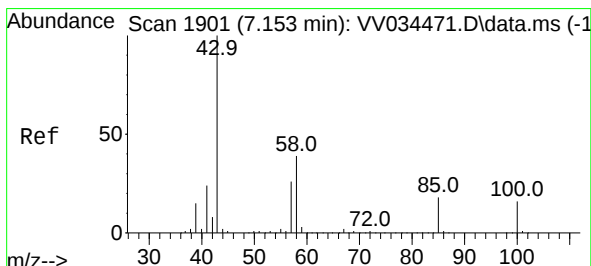
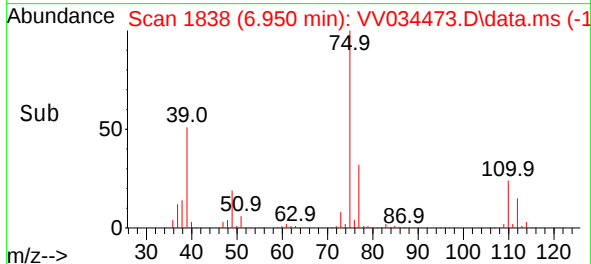
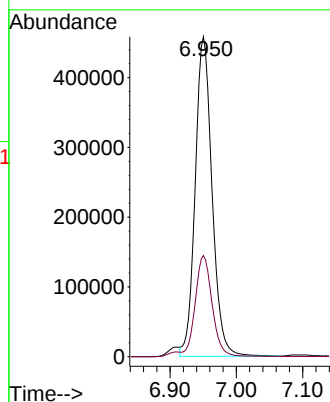
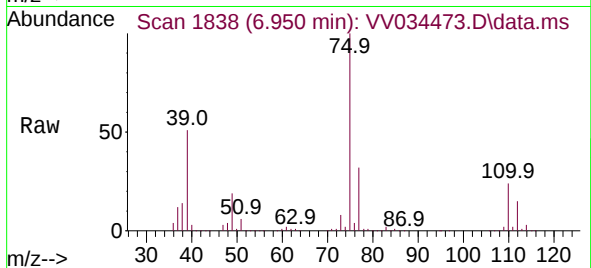




#39  
cis-1,3-Dichloropropene  
Concen: 203.017 ug/L  
RT: 6.950 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

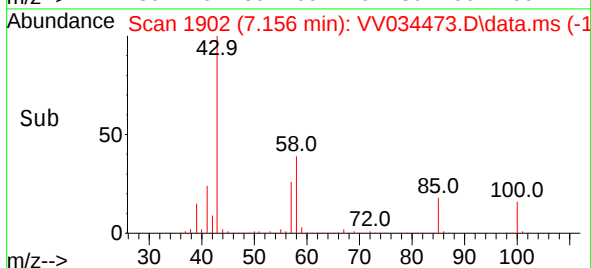
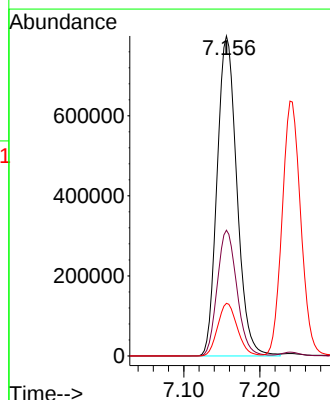
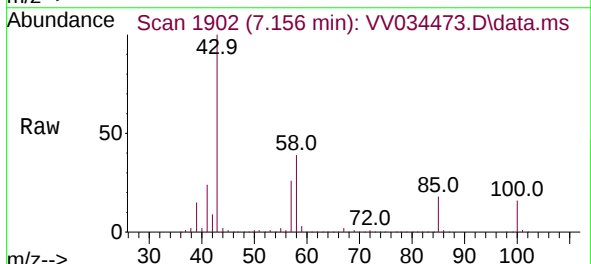
Instrument :  
MSVOA\_V  
ClientSampleId :

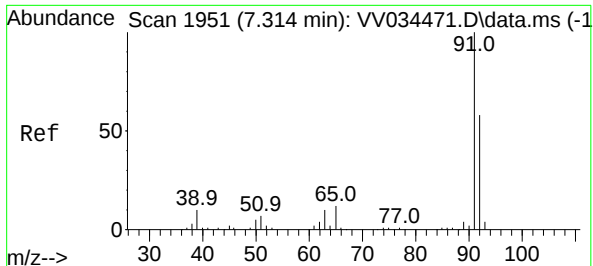
Tgt Ion: 75 Resp: 807185  
Ion Ratio Lower Upper  
75 100  
77 31.6 20.9 38.9



#40  
4-Methyl-2-pentanone  
Concen: 412.163 ug/L  
RT: 7.156 min Scan# 1902  
Delta R.T. 0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion: 43 Resp: 1442304  
Ion Ratio Lower Upper  
43 100  
58 39.1 30.6 46.0  
100 16.3 12.5 18.7





#42

Toluene

Concen: 207.322 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

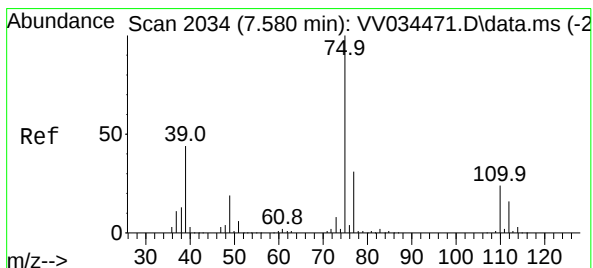
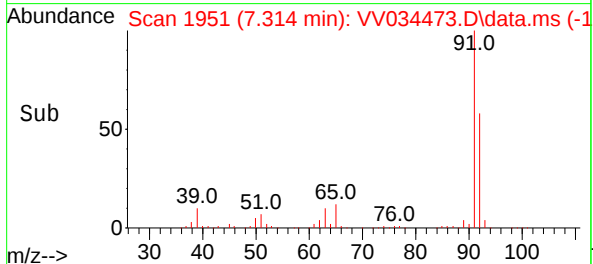
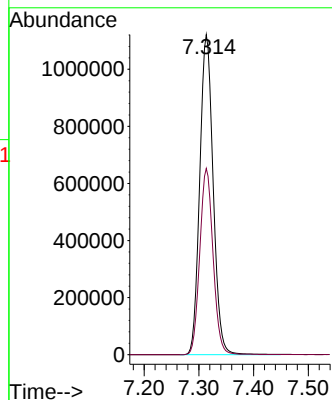
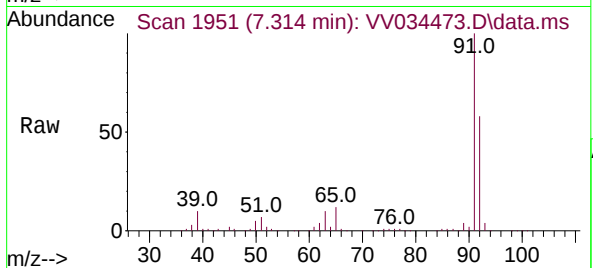
ClientSampleId :

Tgt Ion: 91 Resp: 1906212

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 217.107 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV034473.D

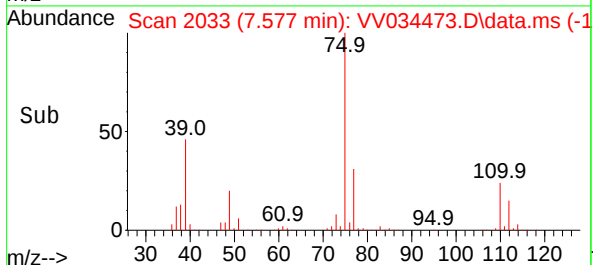
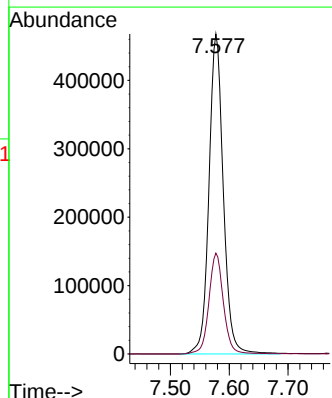
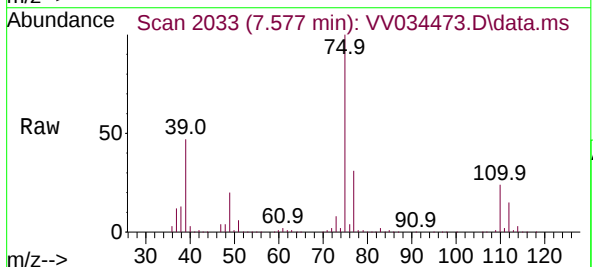
Acq: 29 Feb 2024 10:45

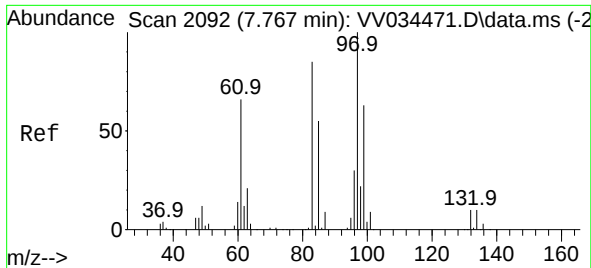
Tgt Ion: 75 Resp: 791133

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4

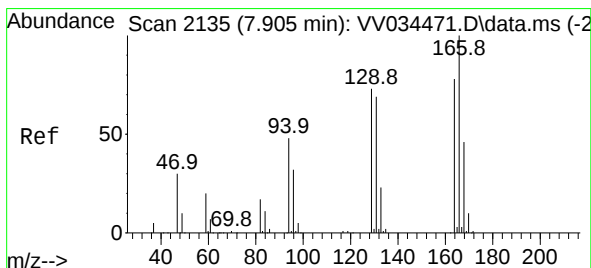
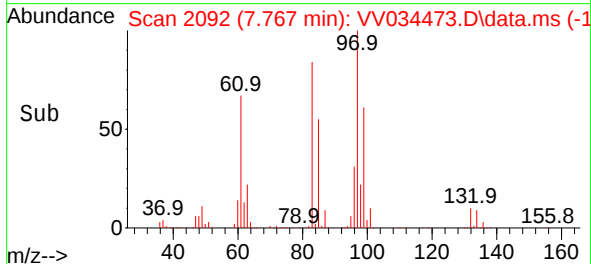
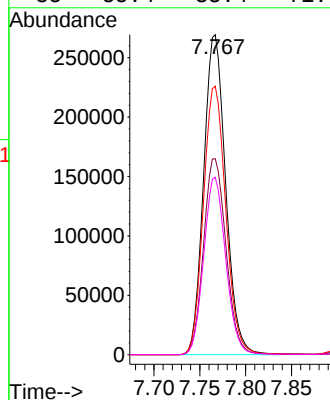
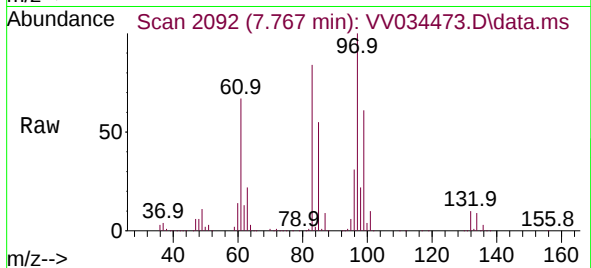




#45  
1,1,2-Trichloroethane  
Concen: 207.754 ug/L  
RT: 7.767 min Scan# 2092  
Delta R.T. 0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

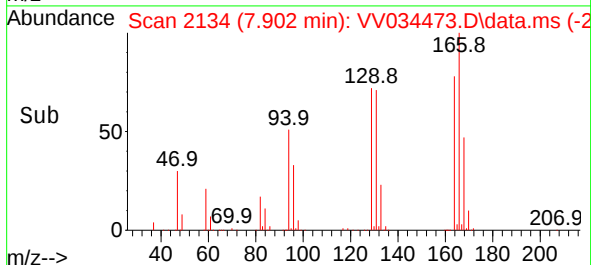
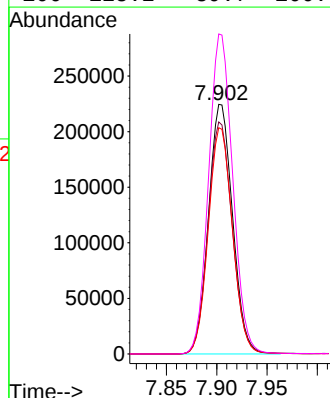
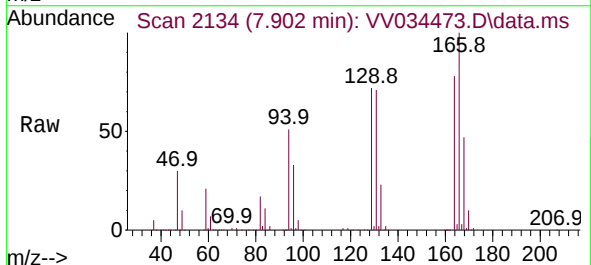
Instrument :  
MSVOA\_V  
ClientSampleId :

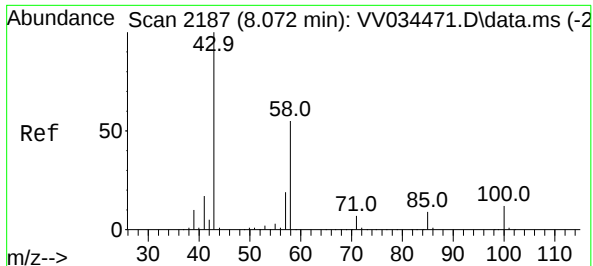
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 450054 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 61.3  | 43.8  | 81.4   |
| 83       | 83.9  | 59.4  | 110.2  |
| 85       | 55.4  | 38.4  | 71.4   |



#46  
Tetrachloroethene  
Concen: 216.029 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. -0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

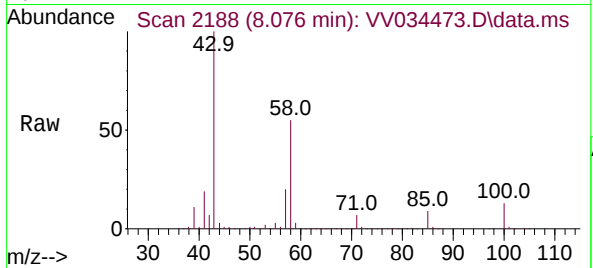
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 374373 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 93.0  | 65.7  | 121.9  |
| 131      | 90.6  | 62.2  | 115.6  |
| 166      | 128.2 | 89.7  | 166.7  |





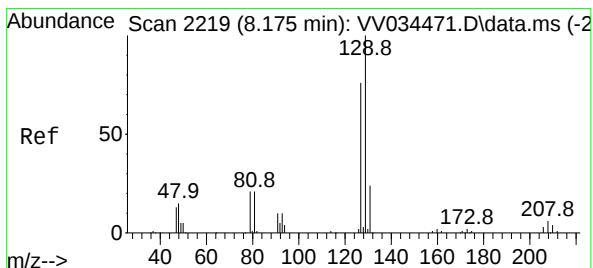
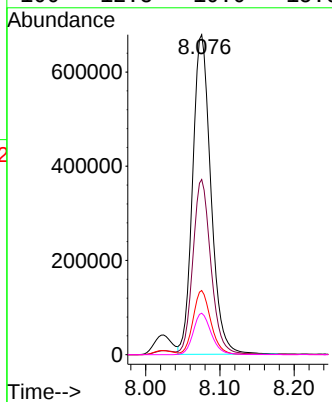
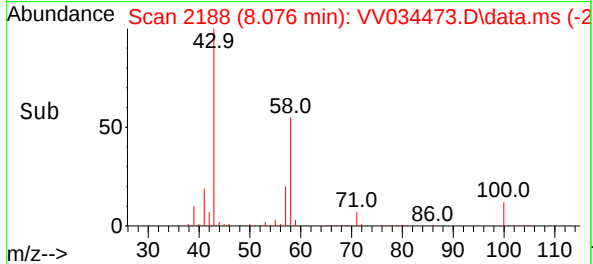
#48  
2-Hexanone  
Concen: 414.516 ug/L  
RT: 8.076 min Scan# 2187  
Delta R.T. 0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 43 Resp: 1160443

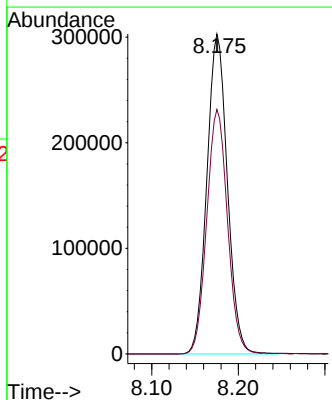
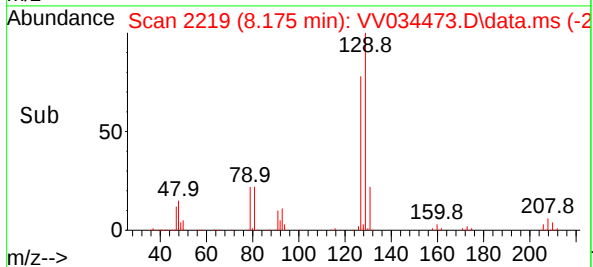
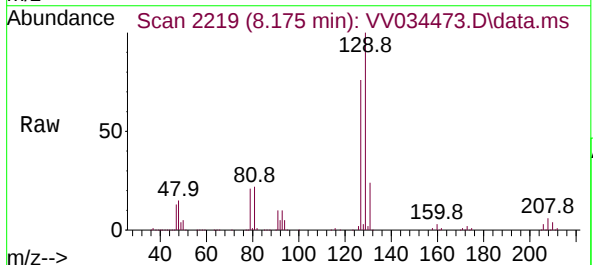
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 54.3  | 42.0  | 63.0  |
| 57  | 19.6  | 15.2  | 22.8  |
| 100 | 12.8  | 10.0  | 15.0  |

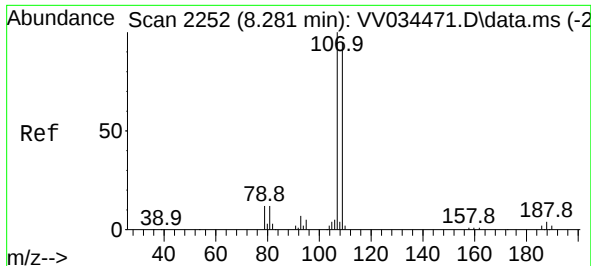


#49  
Dibromochloromethane  
Concen: 219.324 ug/L  
RT: 8.175 min Scan# 2219  
Delta R.T. 0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion: 129 Resp: 498928

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.4  | 53.3  | 98.9  |

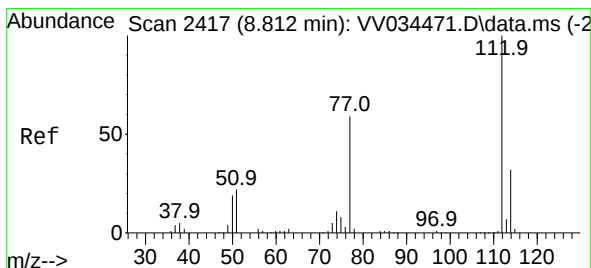
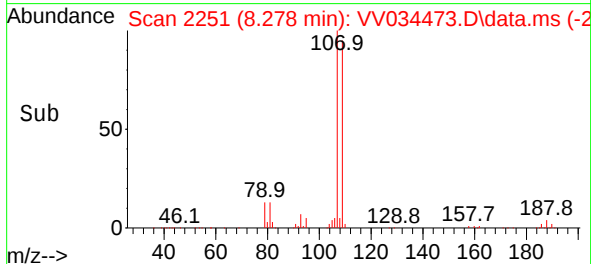
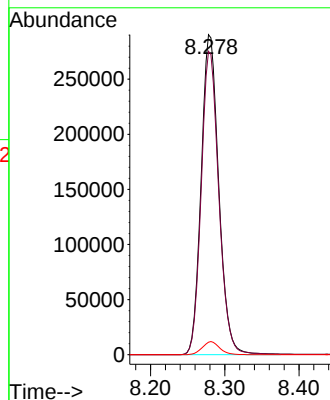
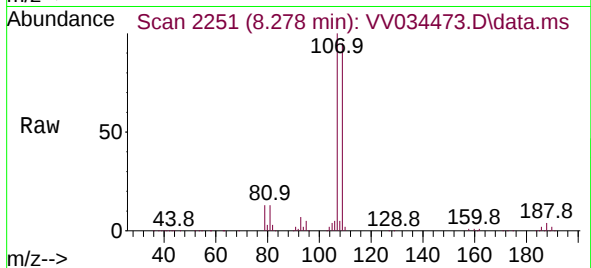




#50  
1,2-Dibromoethane  
Concen: 208.835 ug/L  
RT: 8.278 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

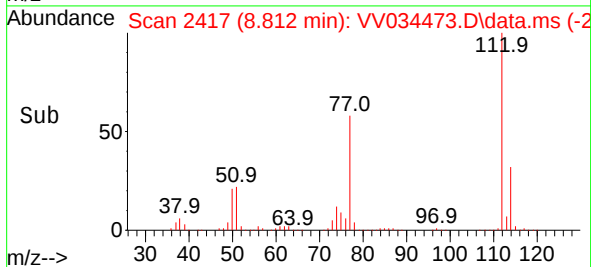
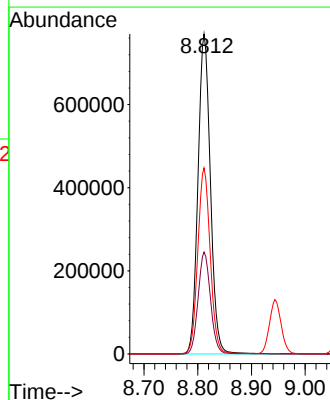
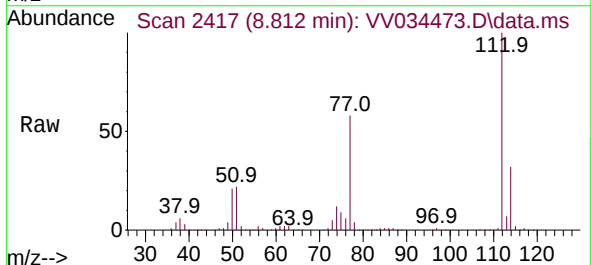
Instrument :  
MSVOA\_V  
ClientSampleId :

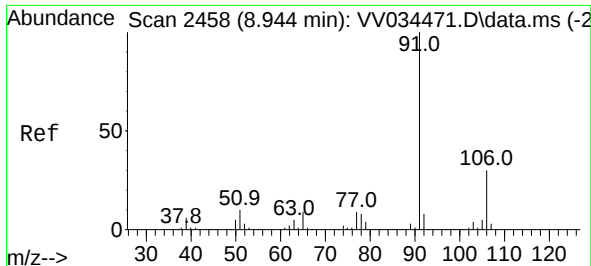
Tgt Ion:107 Resp: 479329  
Ion Ratio Lower Upper  
107 100  
109 94.8 66.5 123.5  
188 3.9 3.4 5.2



#51  
Chlorobenzene  
Concen: 211.444 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. -0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion:112 Resp: 1233600  
Ion Ratio Lower Upper  
112 100  
114 31.9 22.3 41.5  
77 58.1 47.7 71.5

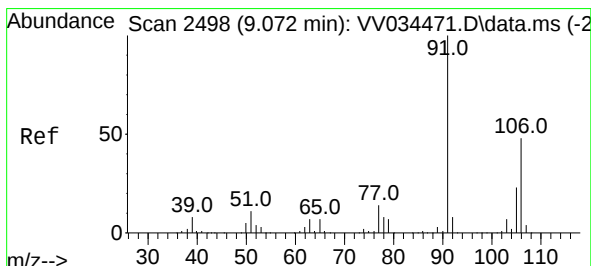
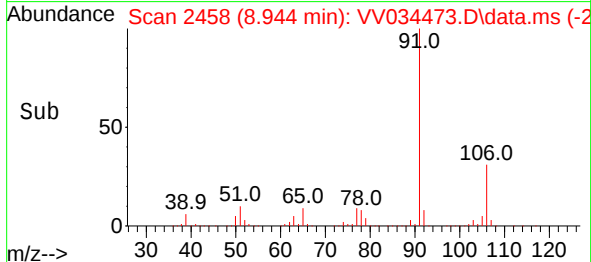
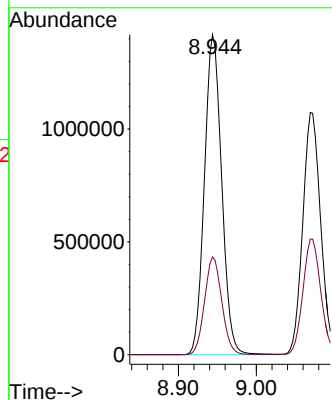
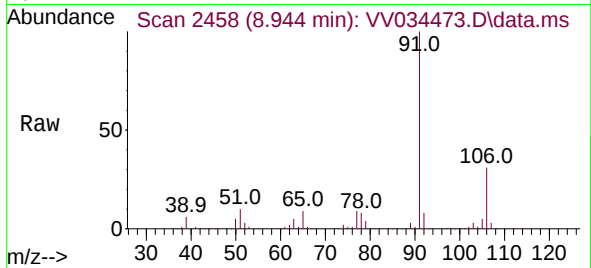




#52  
Ethylbenzene  
Concen: 206.144 ug/L  
RT: 8.944 min Scan# 2458  
Delta R.T. -0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

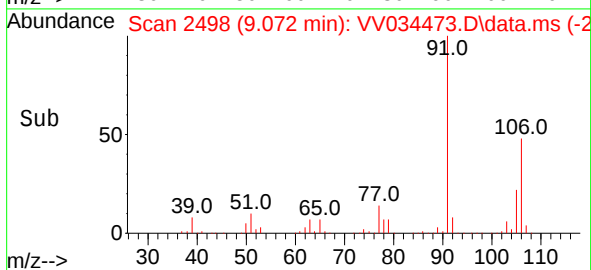
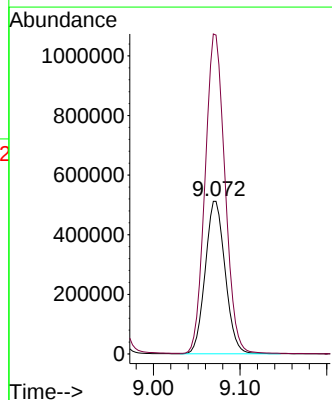
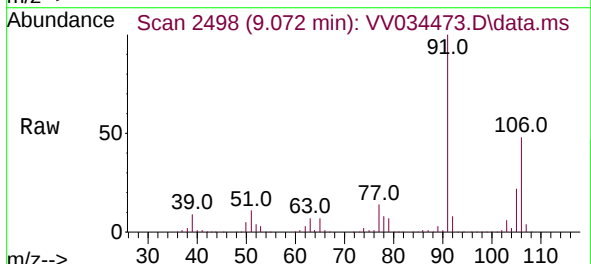
Instrument :  
MSVOA\_V  
ClientSampleId :

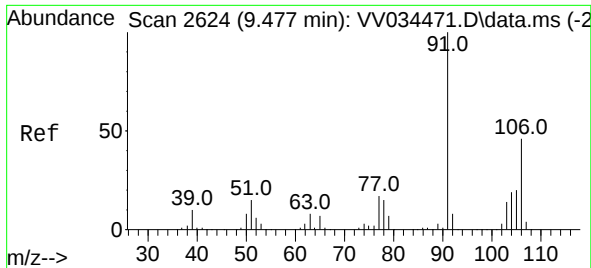
Tgt Ion: 91 Resp: 2181129  
Ion Ratio Lower Upper  
91 100  
106 30.5 21.3 39.5



#53  
m,p-Xylene  
Concen: 209.733 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. 0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

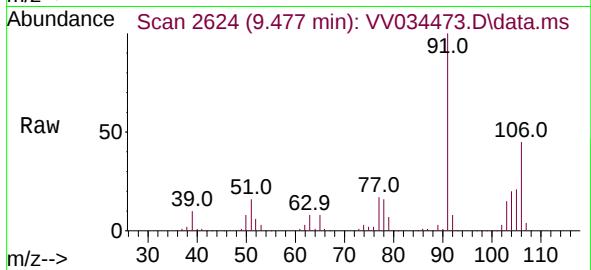
Tgt Ion:106 Resp: 817785  
Ion Ratio Lower Upper  
106 100  
91 208.9 145.3 269.9



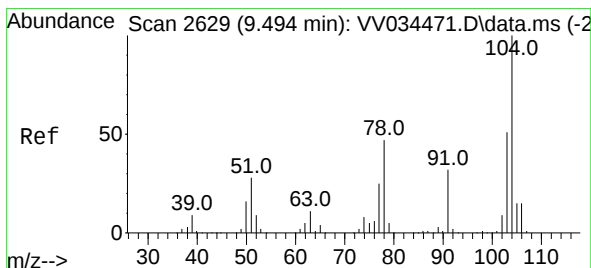
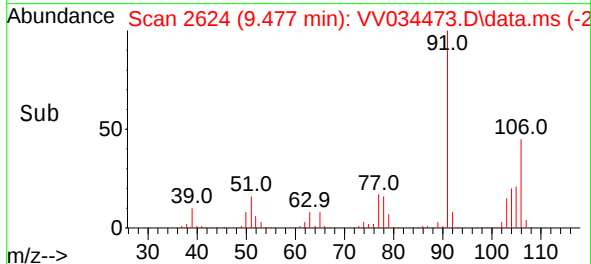
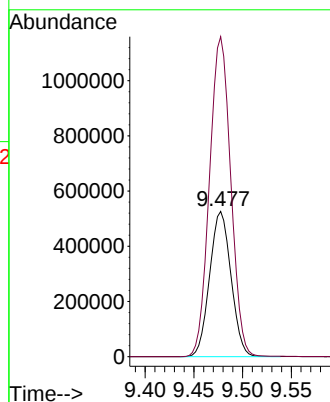


#54  
o-Xylene  
Concen: 207.299 ug/L  
RT: 9.477 min Scan# 2624  
Delta R.T. -0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Instrument :  
MSVOA\_V  
ClientSampleId :

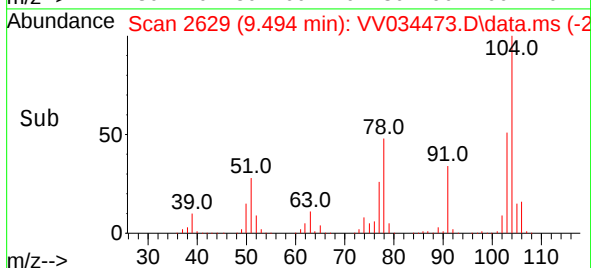
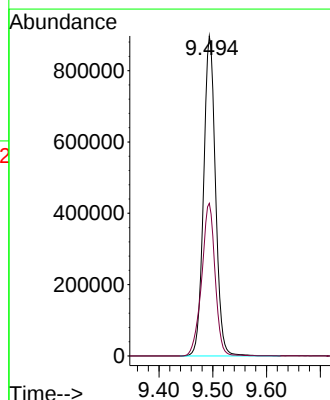
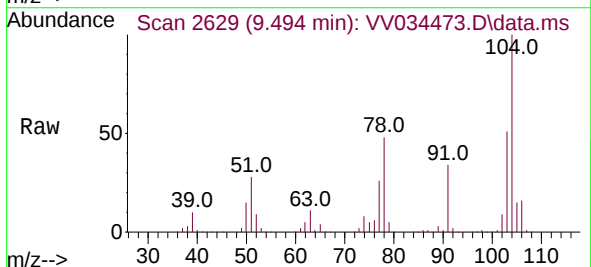


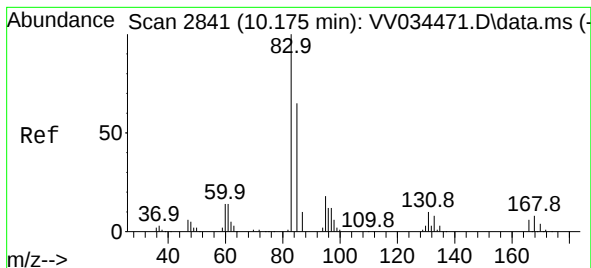
Tgt Ion:106 Resp: 803275  
Ion Ratio Lower Upper  
106 100  
91 220.2 152.2 282.7



#55  
Styrene  
Concen: 207.711 ug/L  
RT: 9.494 min Scan# 2629  
Delta R.T. -0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion:104 Resp: 1385355  
Ion Ratio Lower Upper  
104 100  
78 47.7 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 200.843 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

ClientSampleId :

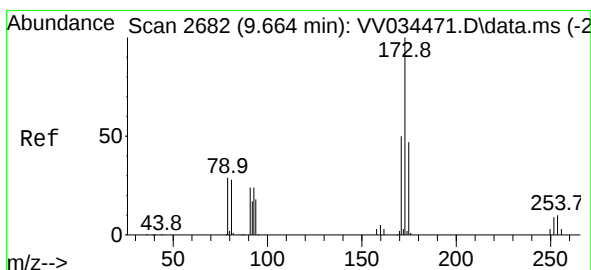
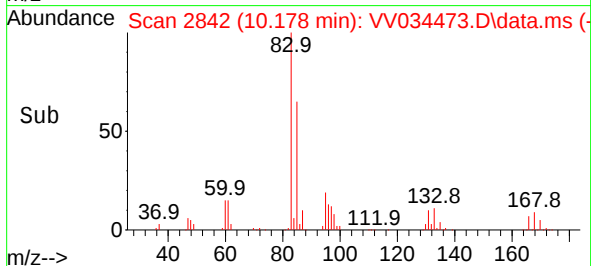
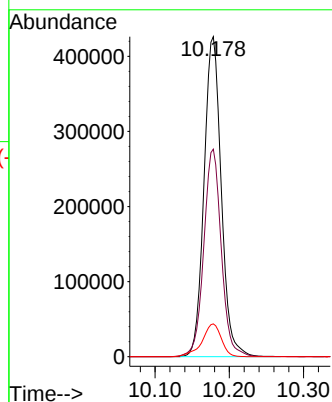
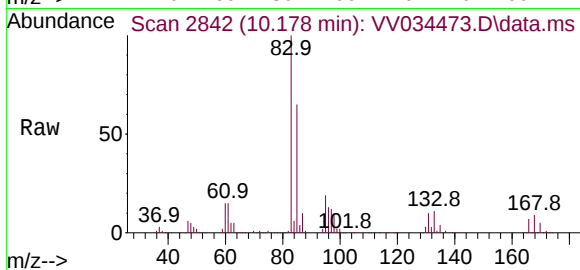
Tgt Ion: 83 Resp: 686332

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.2

131 10.3 8.3 12.5



#59

Bromoform

Concen: 222.490 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

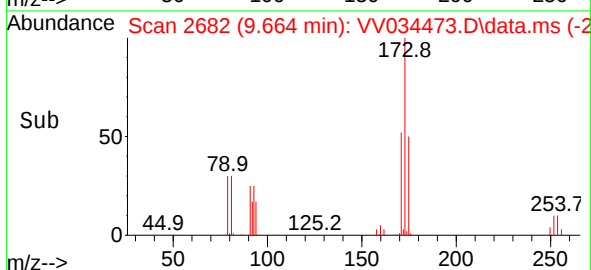
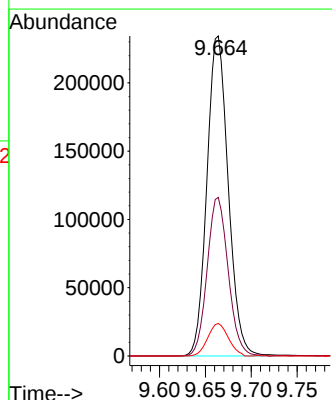
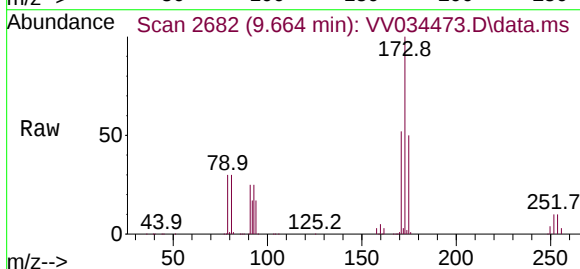
Tgt Ion: 173 Resp: 378766

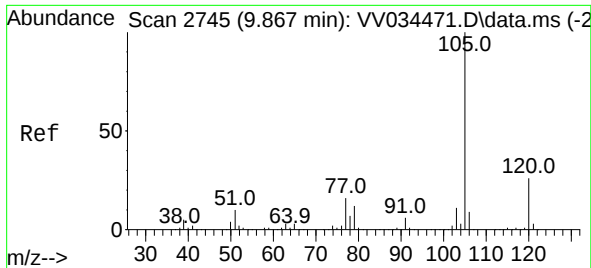
Ion Ratio Lower Upper

173 100

175 48.8 39.1 58.7

254 9.8 7.8 11.8

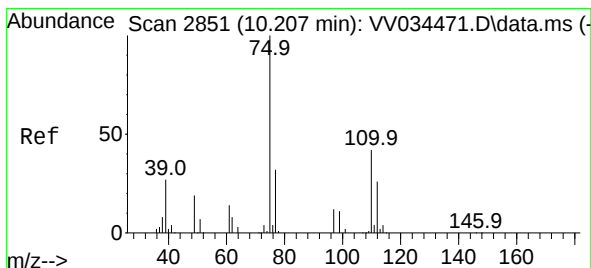
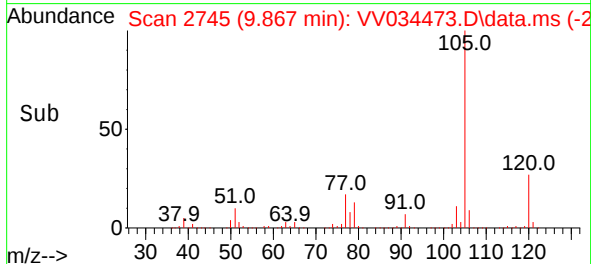
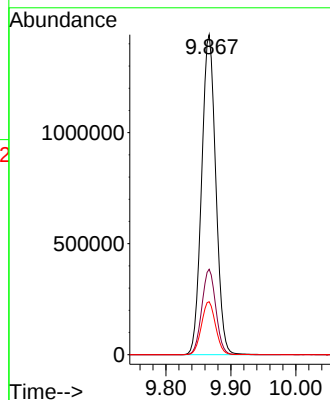
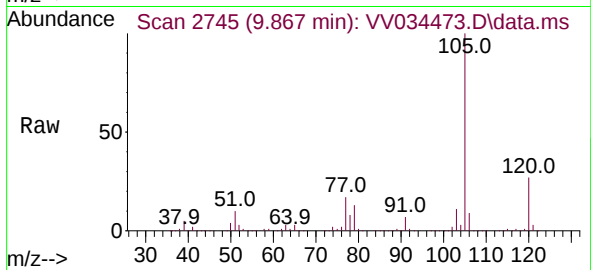




#60  
Isopropylbenzene  
Concen: 201.100 ug/L  
RT: 9.867 min Scan# 2745  
Delta R.T. 0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

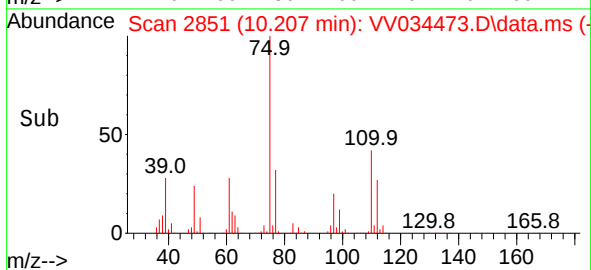
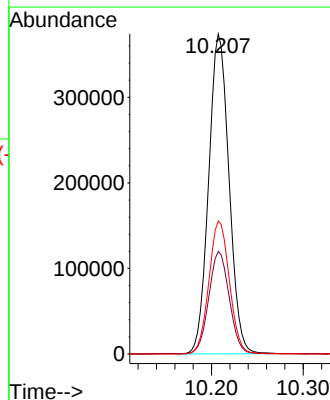
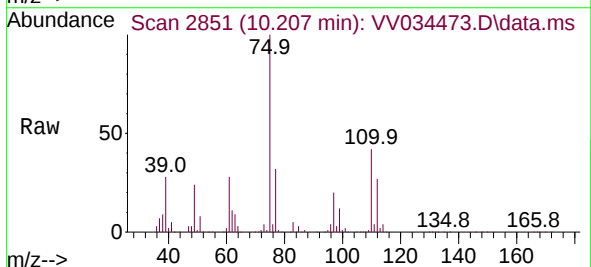
Instrument :  
MSVOA\_V  
ClientSampleId :

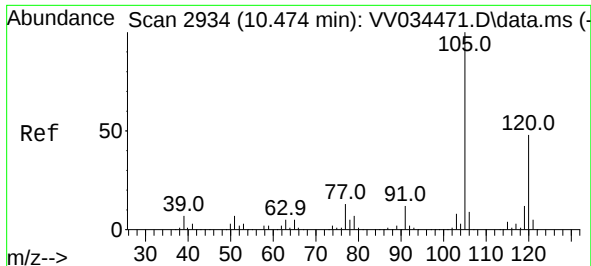
Tgt Ion:105 Resp: 2189443  
Ion Ratio Lower Upper  
105 100  
120 26.5 20.8 31.2  
77 16.5 13.0 19.6



#61  
1,2,3-Trichloropropane  
Concen: 201.663 ug/L  
RT: 10.207 min Scan# 2851  
Delta R.T. 0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion: 75 Resp: 576399  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.9 38.9  
110 41.9 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 203.210 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

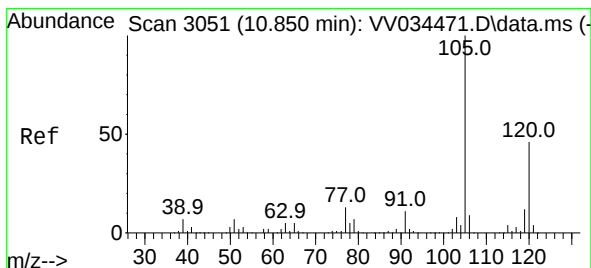
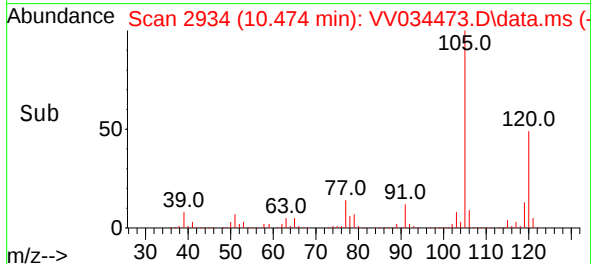
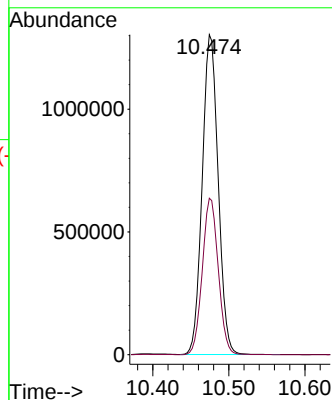
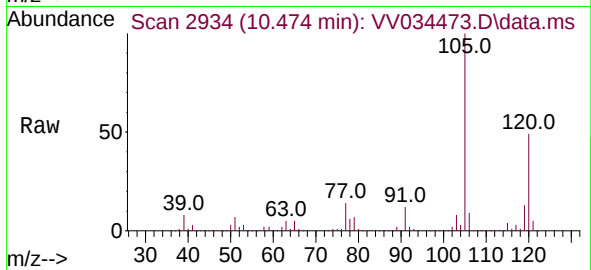
ClientSampleId :

Tgt Ion:105 Resp: 1897741

Ion Ratio Lower Upper

105 100

120 48.8 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 205.984 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034473.D

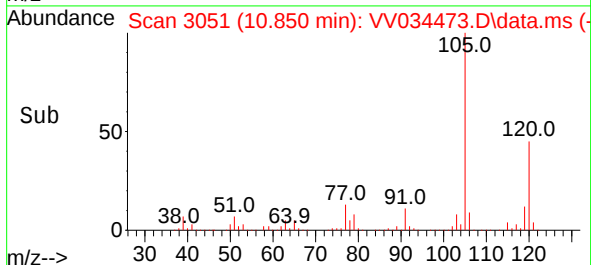
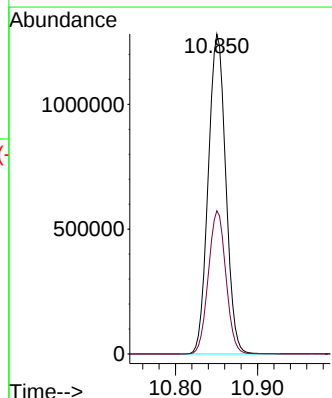
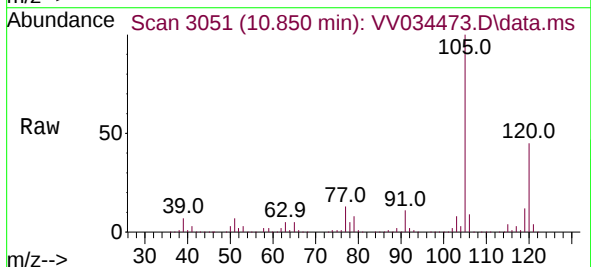
Acq: 29 Feb 2024 10:45

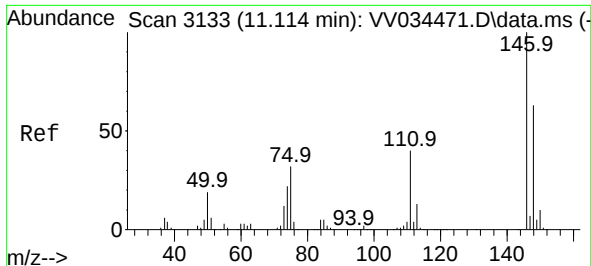
Tgt Ion:105 Resp: 1907642

Ion Ratio Lower Upper

105 100

120 44.7 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 208.948 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

ClientSampleId :

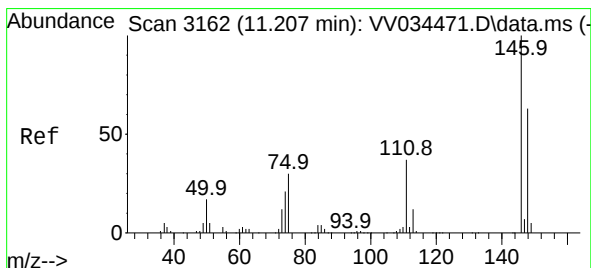
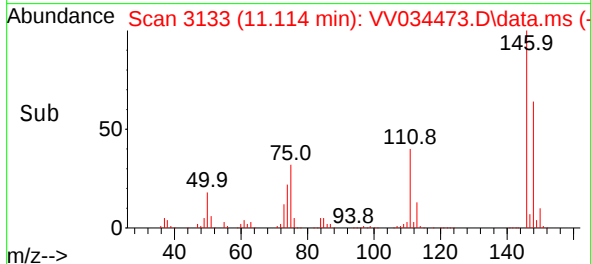
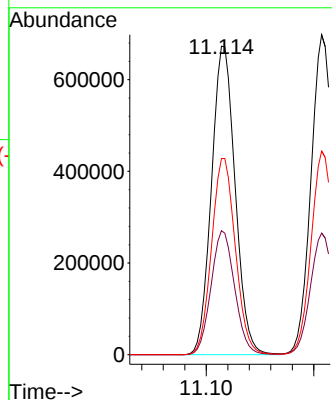
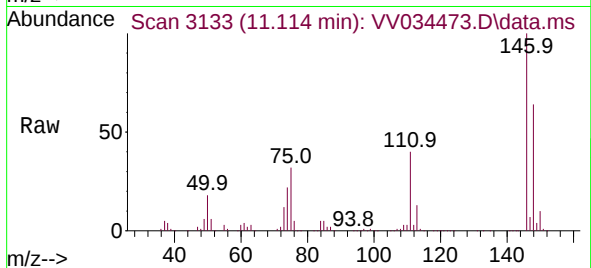
Tgt Ion:146 Resp: 1030660

Ion Ratio Lower Upper

146 100

111 40.2 27.9 51.7

148 63.6 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 212.513 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

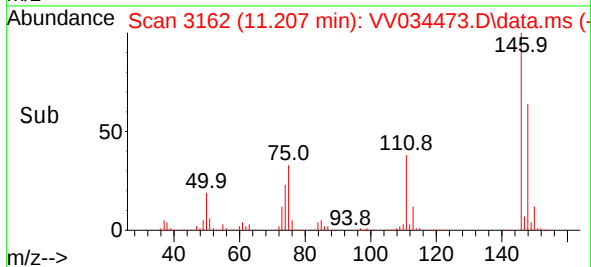
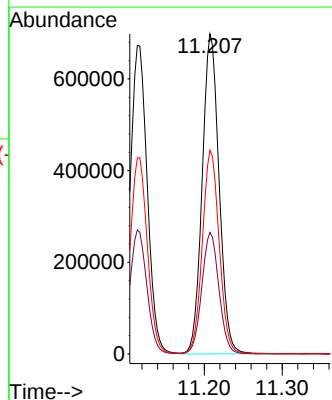
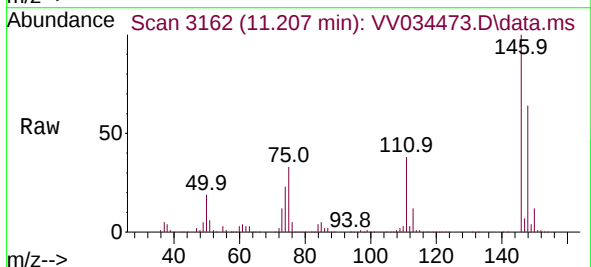
Tgt Ion:146 Resp: 1051106

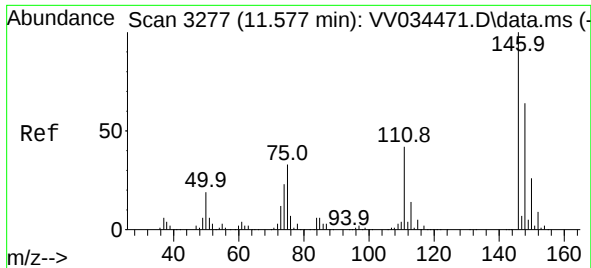
Ion Ratio Lower Upper

146 100

111 38.0 26.5 49.1

148 63.7 44.0 81.8

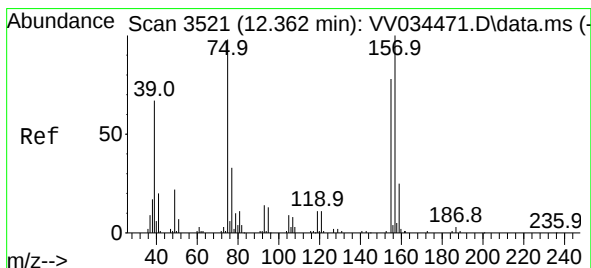
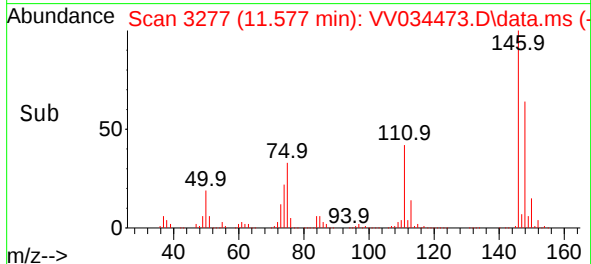
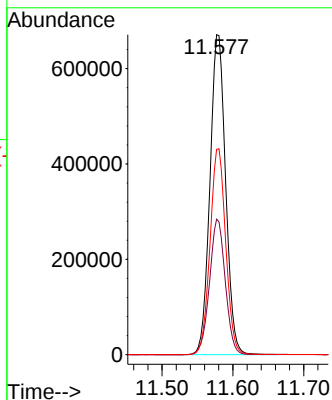
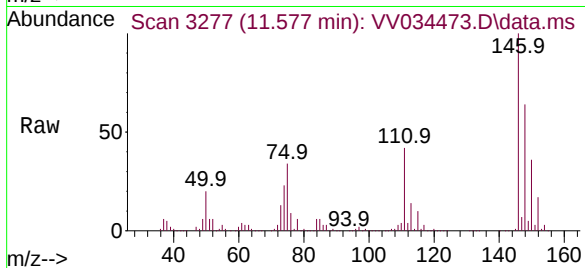




#67  
1,2-Dichlorobenzene  
Concen: 213.221 ug/L  
RT: 11.577 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

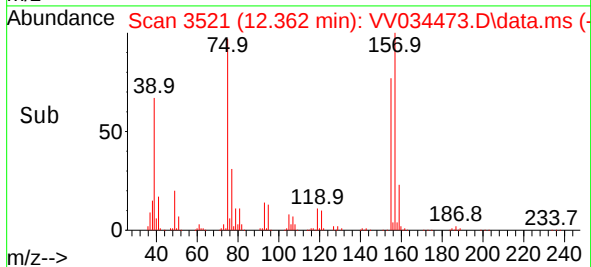
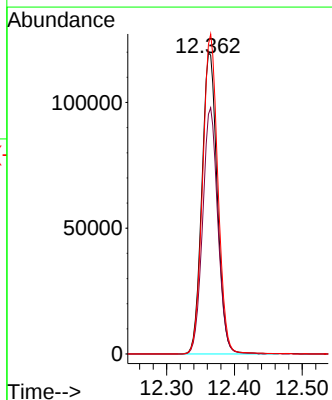
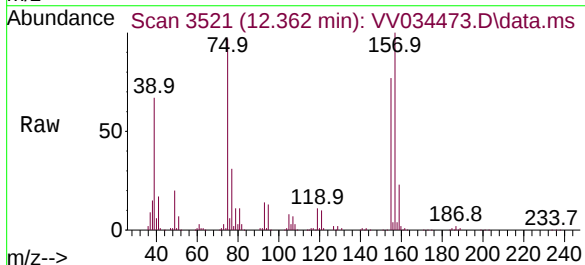
Instrument :  
MSVOA\_V  
ClientSampleId :

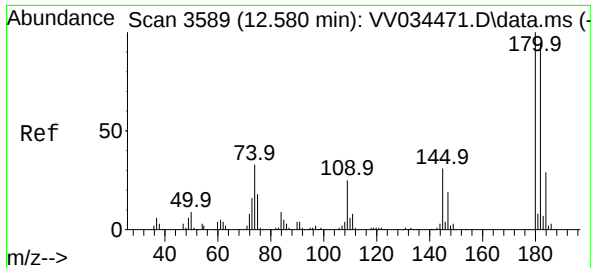
Tgt Ion:146 Resp: 1030256  
Ion Ratio Lower Upper  
146 100  
111 42.4 33.8 50.8  
148 64.1 51.3 76.9



#68  
1,2-Dibromo-3-chloropropane  
Concen: 227.496 ug/L  
RT: 12.362 min Scan# 3521  
Delta R.T. -0.000 min  
Lab File: VV034473.D  
Acq: 29 Feb 2024 10:45

Tgt Ion: 75 Resp: 188767  
Ion Ratio Lower Upper  
75 100  
155 79.7 63.3 94.9  
157 102.9 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 221.872 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

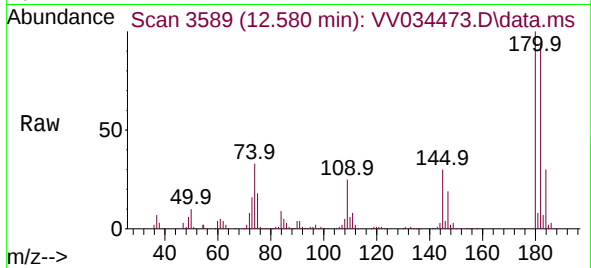
Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 810876

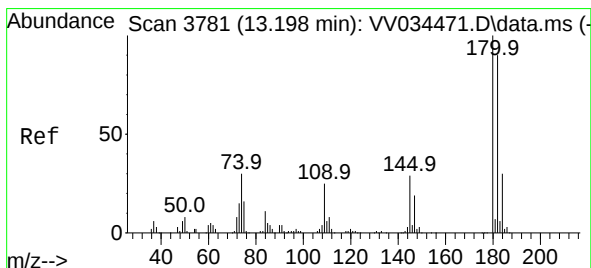
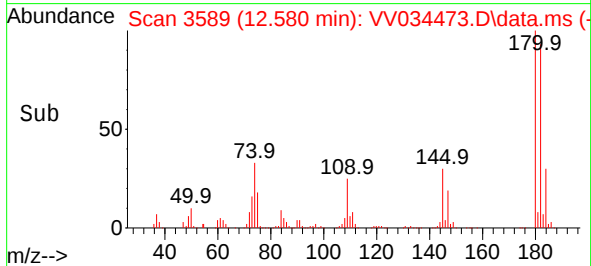
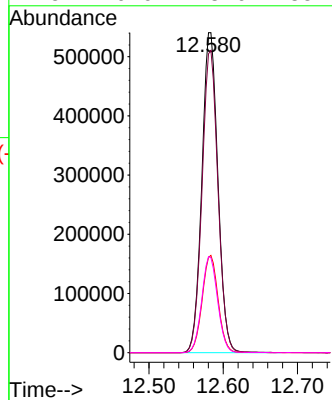
Ion Ratio Lower Upper

180 100

182 93.9 74.6 112.0

184 30.3 23.6 35.4

145 29.9 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 218.152 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

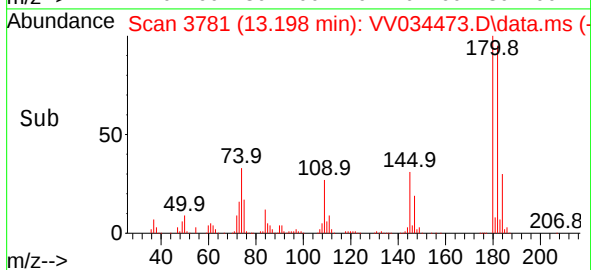
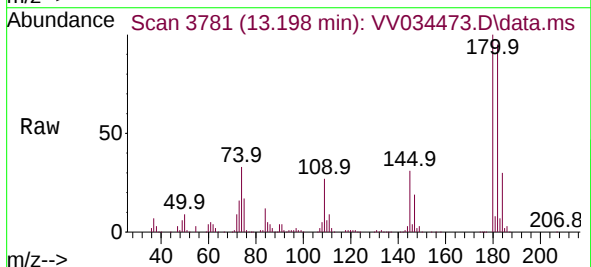
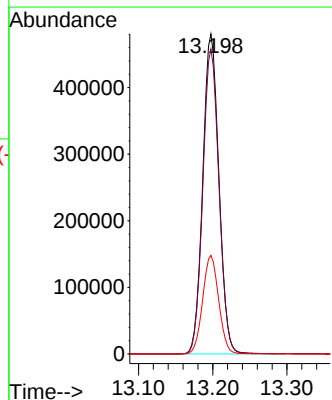
Tgt Ion:180 Resp: 725314

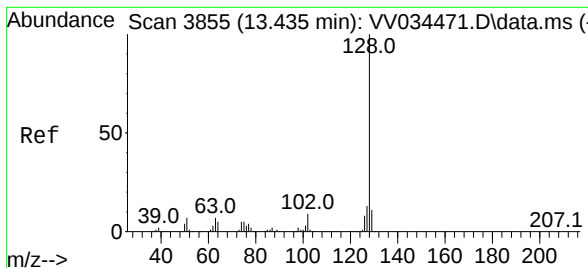
Ion Ratio Lower Upper

180 100

182 95.4 74.8 112.2

145 30.6 24.2 36.4





#71

Naphthalene

Concen: 236.820 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Instrument :

MSVOA\_V

ClientSampleId :

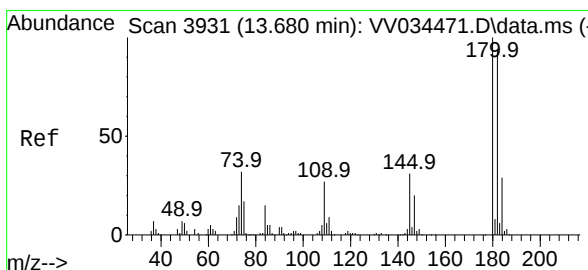
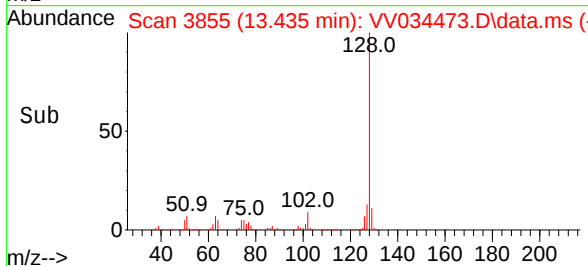
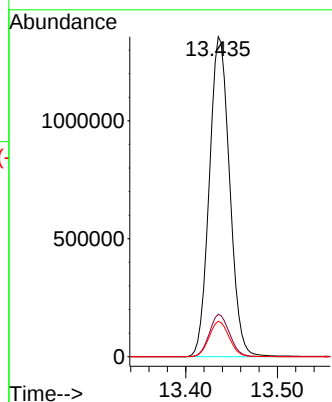
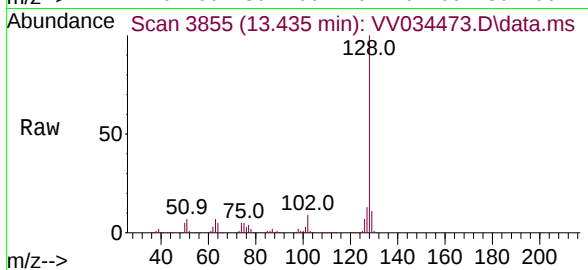
Tgt Ion:128 Resp: 2087809

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 222.193 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV034473.D

Acq: 29 Feb 2024 10:45

Tgt Ion:180 Resp: 697465

Ion Ratio Lower Upper

180 100

182 95.2 75.9 113.9

145 32.2 25.5 38.3

