

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060324\  
 Data File : VW035942.D  
 Acq On : 03 Jun 2024 08:48  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_V/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 04 02:06:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 31 22:59:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114   | 482557   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 493790   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.182 | 152   | 277321   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 202557   | 22.832   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.320%  |
| 7) Chloroethane-d5            | 1.526  | 69    | 161649   | 22.851   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.050  | 65    | 87979    | 22.276   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 89.120%  |
| 21) 2-Butanone-d5             | 3.847  | 46    | 84935    | 41.726   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 83.460%  |
| 24) Chloroform-d              | 4.240  | 84    | 338309   | 22.052   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 88.200%  |
| 26) 1,2-Dichloroethane-d4     | 4.934  | 65    | 178265   | 22.162   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 88.640%  |
| 32) Benzene-d6                | 4.950  | 84    | 664126   | 22.626   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.520%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 205409   | 22.223   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 88.880%  |
| 41) Toluene-d8                | 7.236  | 98    | 607780   | 23.468   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 93.880%  |
| 43) trans-1,3-Dichloroprop... | 7.548  | 79    | 84616    | 22.326   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.320%  |
| 47) 2-Hexanone-d5             | 8.031  | 63    | 55970    | 44.693   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 89.380%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 142559   | 20.639   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 82.560%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 213990   | 21.042   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.160%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 199517   | 22.931   | ug/L   | 98       |
| 3) Chloromethane              | 1.211  | 50    | 240561   | 24.091   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.278  | 62    | 251555   | 23.930   | ug/L   | 100      |
| 6) Bromomethane               | 1.484  | 94    | 151832   | 23.282   | ug/L   | 100      |
| 8) Chloroethane               | 1.545  | 64    | 155663   | 23.823   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 311381   | 23.852   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.060  | 101   | 197957   | 23.893   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.063  | 96    | 184084   | 23.822   | ug/L   | 97       |
| 13) Acetone                   | 2.150  | 43    | 154656   | 48.776   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.233  | 76    | 627828   | 23.396   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.384  | 43    | 86959    | 22.064   | ug/L   | 98       |
| 16) Methylene chloride        | 2.439  | 84    | 214886   | 19.679   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.687  | 96    | 193339   | 23.553   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 2.700  | 73    | 434157   | 23.560   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.105  | 63    | 369451   | 23.634   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.806  | 96    | 188462   | 22.849   | ug/L   | 99       |
| 22) 2-Butanone                | 3.905  | 43    | 89150    | 33.136   | ug/L   | 87       |
| 23) Bromochloromethane        | 4.140  | 128   | 99111    | 23.955   | ug/L   | 97       |
| 25) Chloroform                | 4.265  | 83    | 380965   | 23.691   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060324\  
 Data File : VW035942.D  
 Acq On : 03 Jun 2024 08:48  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_V/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

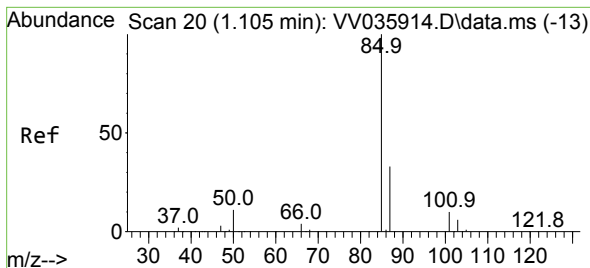
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 Quant Title : VOC Analysis  
 QLast Update : Fri May 31 22:59:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 245744   | 24.478 | ug/L  | 100      |
| 29) Cyclohexane               | 4.574  | 56   | 285019   | 24.243 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 319145   | 23.641 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 281357   | 23.757 | ug/L  | 100      |
| 33) Benzene                   | 5.002  | 78   | 789576   | 24.449 | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 236519   | 23.896 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.043  | 83   | 338209   | 24.708 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 212014   | 25.001 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.426  | 83   | 267344   | 23.819 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 297354   | 23.444 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 225556   | 48.957 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 846638   | 25.656 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 273066   | 24.925 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 164791   | 23.486 | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.899  | 164  | 170417   | 23.541 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.076  | 43   | 193258   | 53.655 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.172  | 129  | 182025   | 23.704 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 161870   | 24.043 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.809  | 112  | 531076   | 23.619 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 885169   | 25.071 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 338198   | 25.493 | ug/L  | 99       |
| 54) o-Xylene                  | 9.474  | 106  | 310261   | 24.800 | ug/L  | 99       |
| 55) Styrene                   | 9.490  | 104  | 587797   | 26.643 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 139161   | 22.150 | ug/L  | 99       |
| 59) Bromoform                 | 9.661  | 173  | 119475   | 22.845 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.863  | 105  | 870472   | 24.466 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 149068   | 22.728 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 619117   | 23.997 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 692538   | 24.914 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 434537   | 23.257 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 454193   | 23.551 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 409029   | 23.263 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.362 | 75   | 33582    | 22.897 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 324572   | 23.223 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 264961   | 24.077 | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 433409   | 24.133 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 258846   | 25.776 | ug/L  | 99       |

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

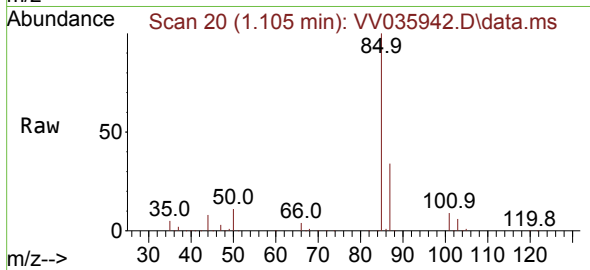
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 31 22:59:48 2024  
Response via : Initial Calibration



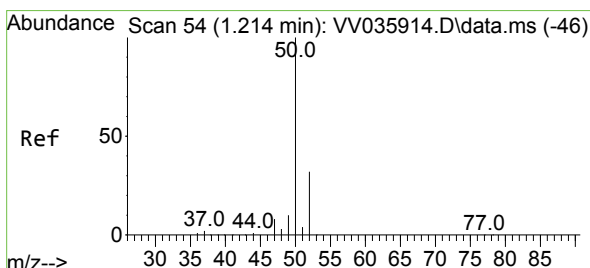
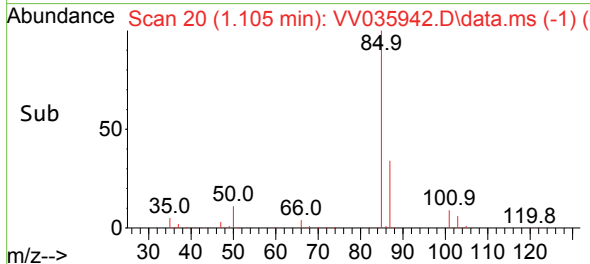
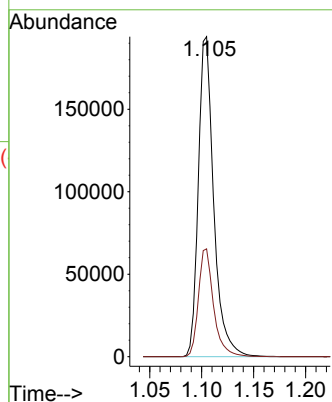


#2  
 Dichlorodifluoromethane  
 Concen: 22.931 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV035942.D  
 Acq: 03 Jun 2024 08:48

Instrument :  
 MSVOA\_V  
 ClientSampleId :

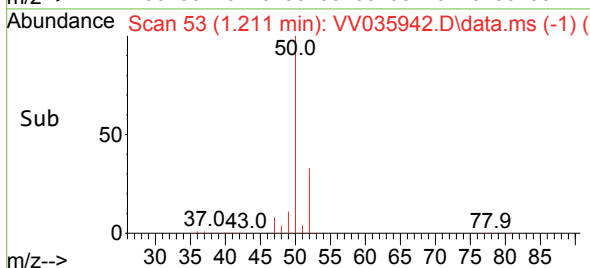
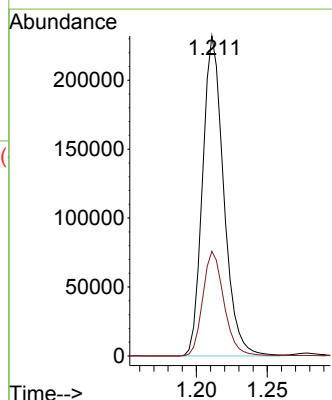
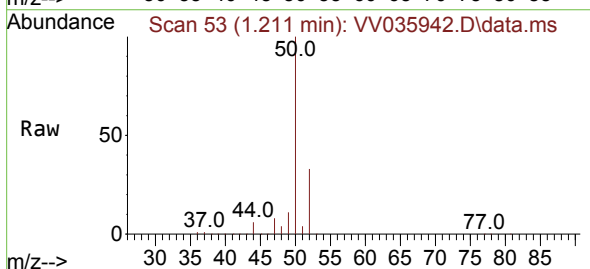


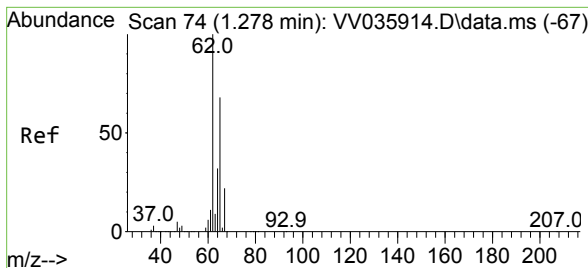
Tgt Ion: 85 Resp: 199517  
 Ion Ratio Lower Upper  
 85 100  
 87 33.3 25.9 38.9



#3  
 Chloromethane  
 Concen: 24.091 ug/L  
 RT: 1.211 min Scan# 53  
 Delta R.T. -0.003 min  
 Lab File: VV035942.D  
 Acq: 03 Jun 2024 08:48

Tgt Ion: 50 Resp: 240561  
 Ion Ratio Lower Upper  
 50 100  
 52 32.7 22.8 42.4

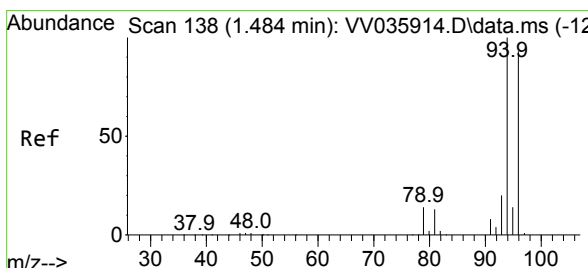
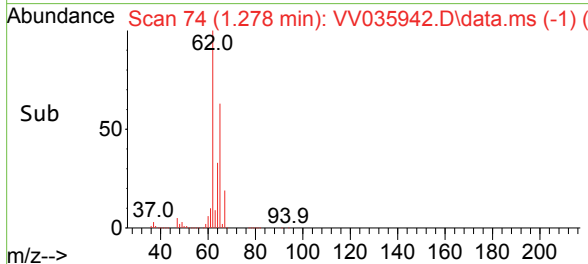
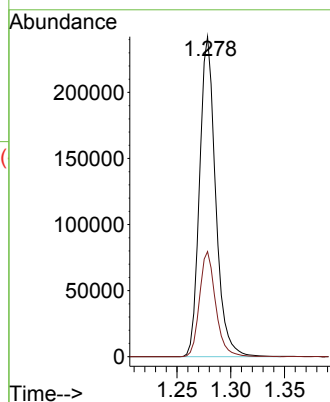
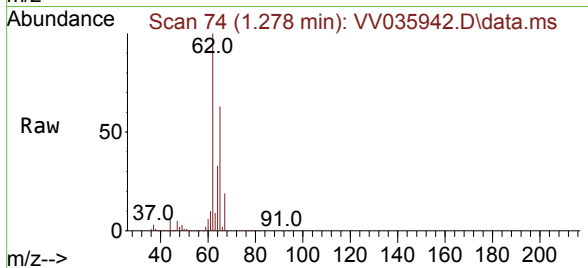




#5  
 Vinyl chloride  
 Concen: 23.930 ug/L  
 RT: 1.278 min Scan# 74  
 Delta R.T. 0.000 min  
 Lab File: VV035942.D  
 Acq: 03 Jun 2024 08:48

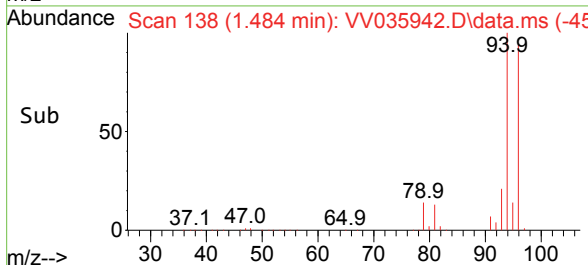
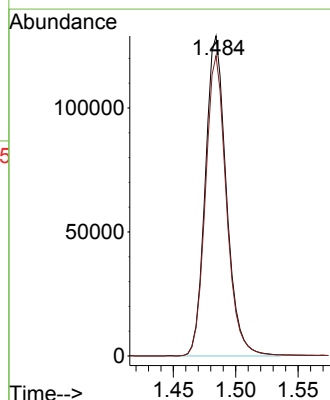
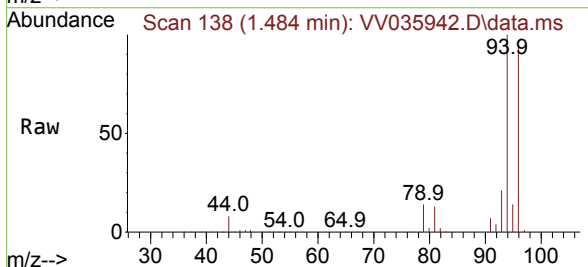
Instrument :  
 MSVOA\_V  
 ClientSampleId :

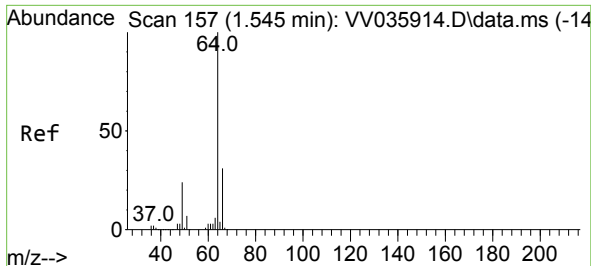
Tgt Ion: 62 Resp: 251555  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 22.9 42.5



#6  
 Bromomethane  
 Concen: 23.282 ug/L  
 RT: 1.484 min Scan# 138  
 Delta R.T. 0.000 min  
 Lab File: VV035942.D  
 Acq: 03 Jun 2024 08:48

Tgt Ion: 94 Resp: 151832  
 Ion Ratio Lower Upper  
 94 100  
 96 93.9 65.7 122.1

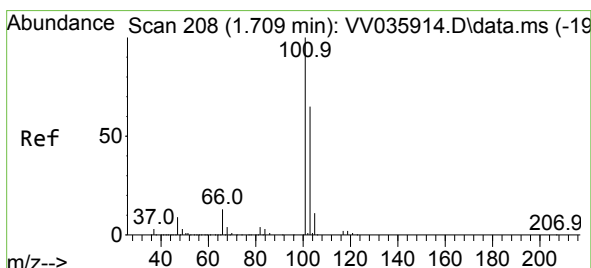
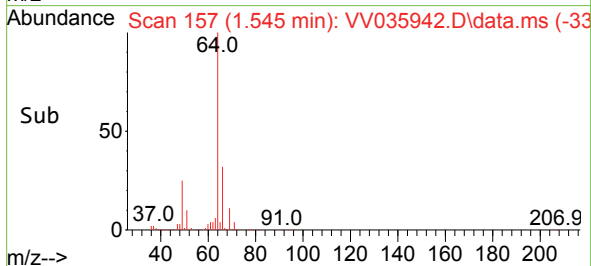
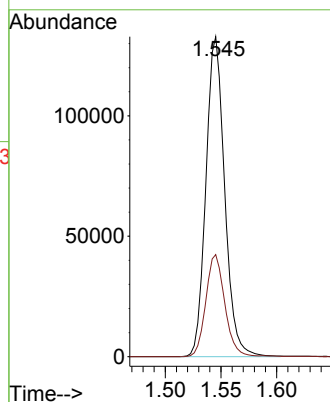
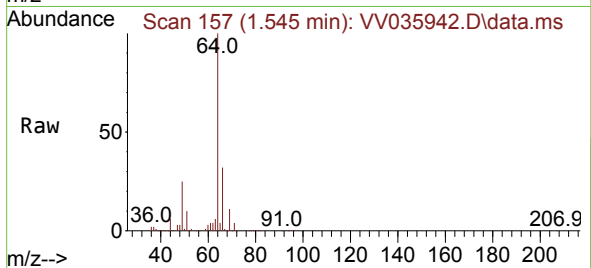




#8  
Chloroethane  
Concen: 23.823 ug/L  
RT: 1.545 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

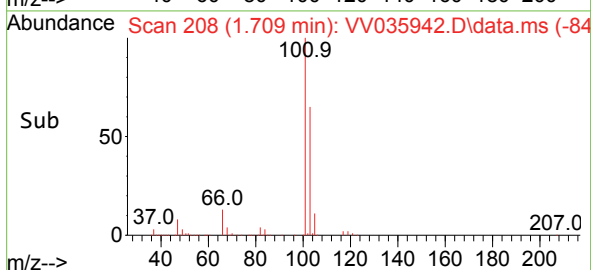
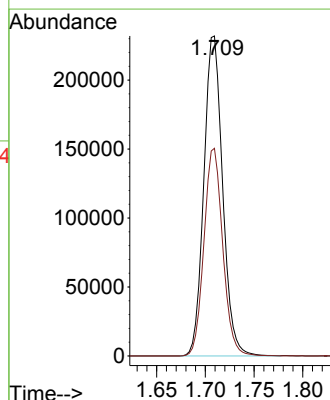
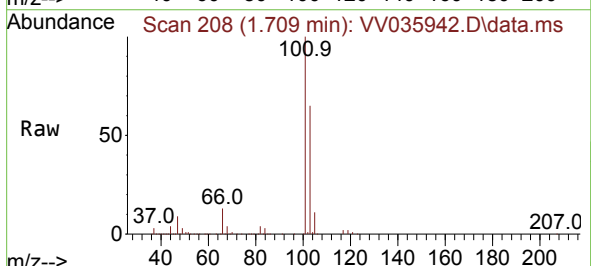
Instrument :  
MSVOA\_V  
ClientSampleId :

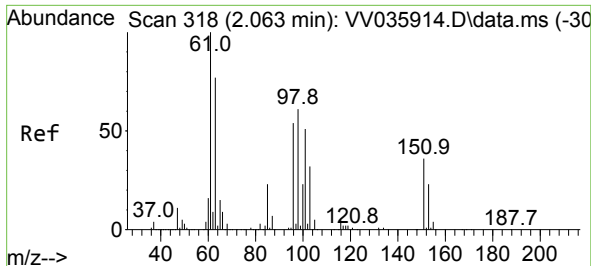
Tgt Ion: 64 Resp: 155663  
Ion Ratio Lower Upper  
64 100  
66 31.9 22.0 41.0



#9  
Trichlorofluoromethane  
Concen: 23.852 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

Tgt Ion:101 Resp: 311381  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.8 77.8





#10

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

Concen: 23.893 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

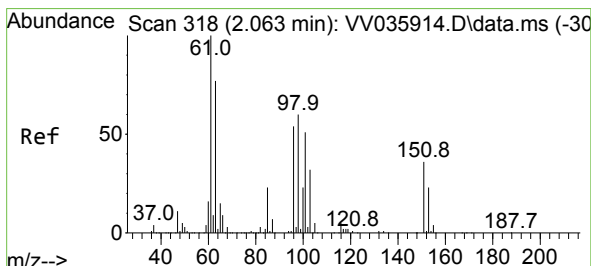
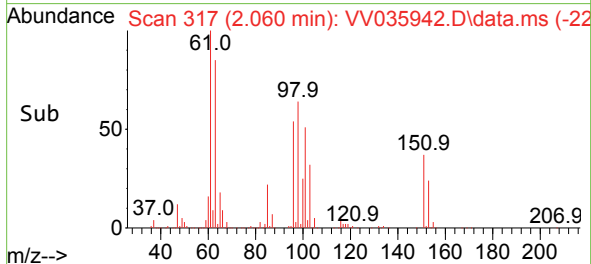
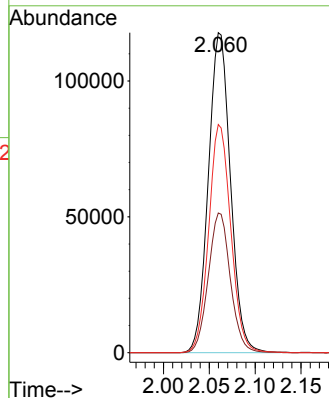
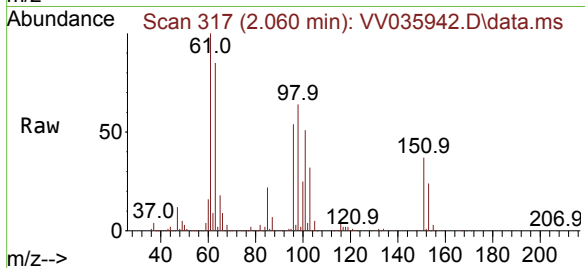
Tgt Ion:101 Resp: 197957

Ion Ratio Lower Upper

101 100

85 43.5 34.5 51.7

151 71.3 56.3 84.5



#12

1,1-Dichloroethene

Concen: 23.822 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

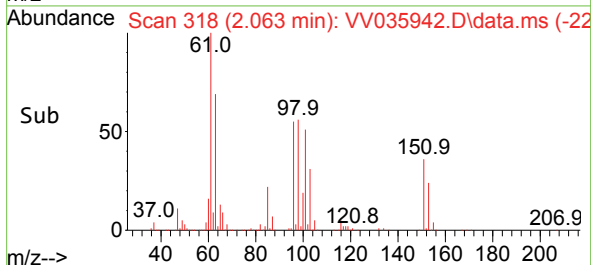
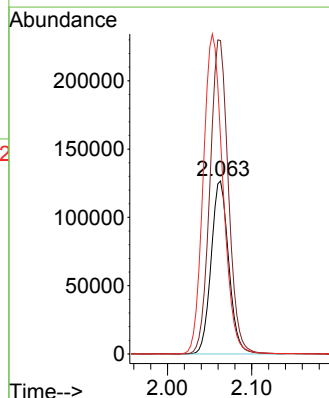
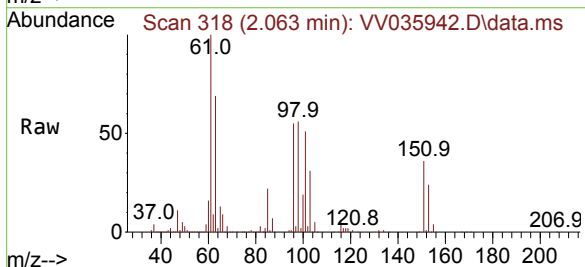
Tgt Ion: 96 Resp: 184084

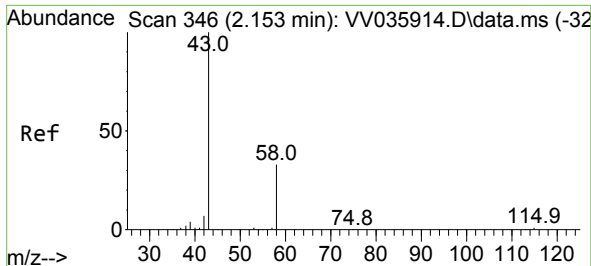
Ion Ratio Lower Upper

96 100

61 181.2 127.3 236.3

63 125.0 93.7 173.9





#13

Acetone

Concen: 48.776 ug/L

RT: 2.150 min Scan# 346

Delta R.T. -0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

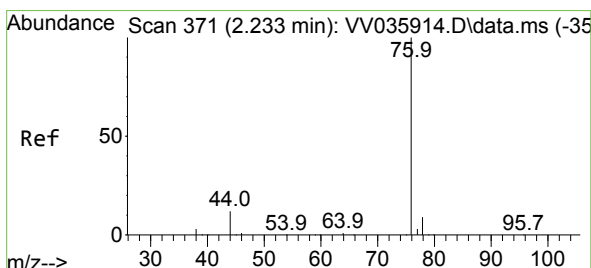
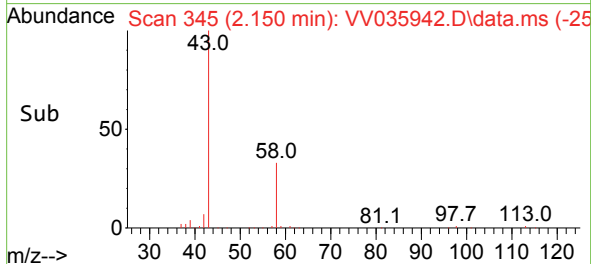
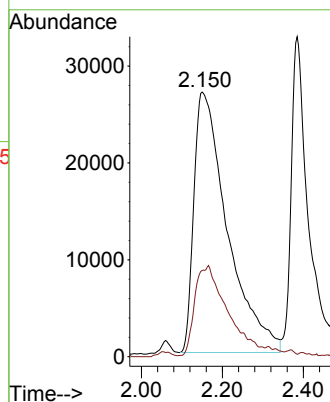
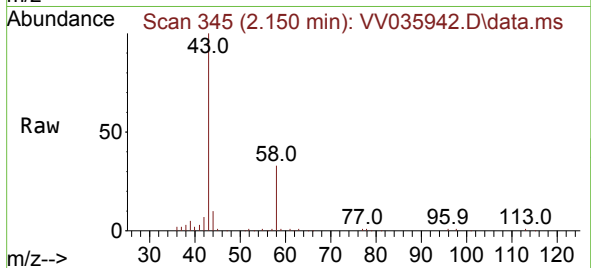
ClientSampleId :

Tgt Ion: 43 Resp: 154656

Ion Ratio Lower Upper

43 100

58 10.7 0.0 24.2



#14

Carbon disulfide

Concen: 23.396 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV035942.D

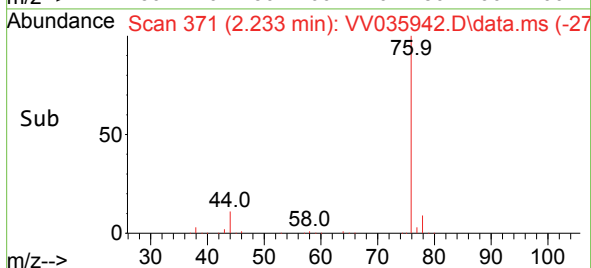
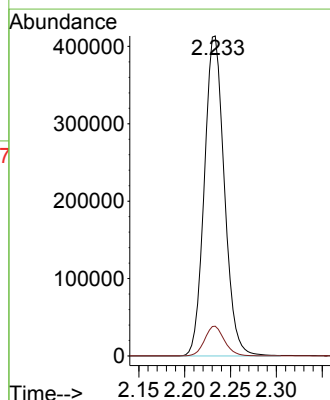
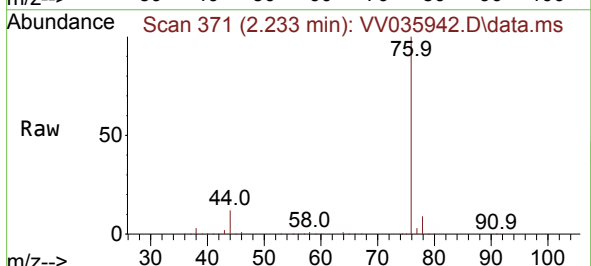
Acq: 03 Jun 2024 08:48

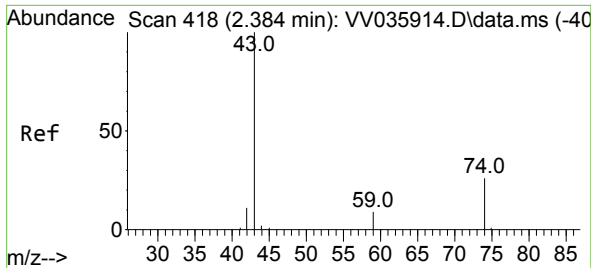
Tgt Ion: 76 Resp: 627828

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

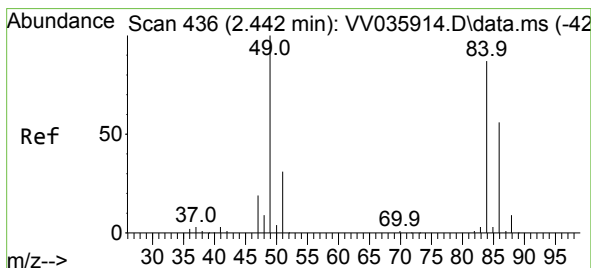
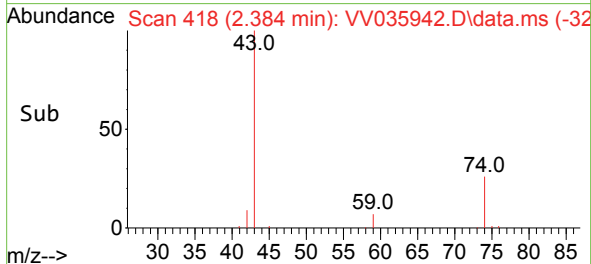
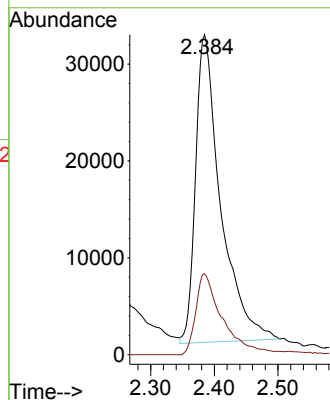
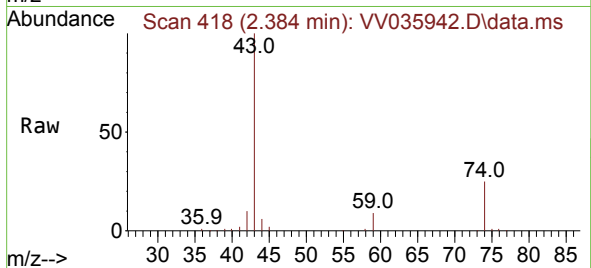




#15  
Methyl Acetate  
Concen: 22.064 ug/L  
RT: 2.384 min Scan# 418  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

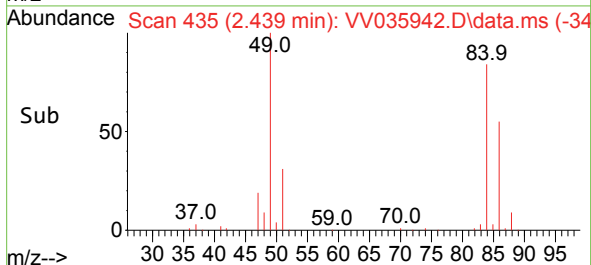
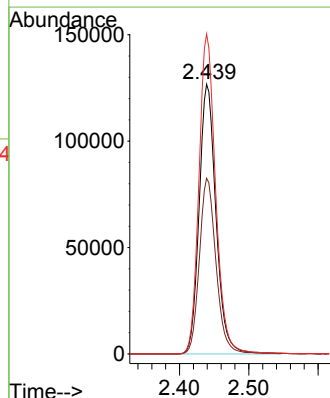
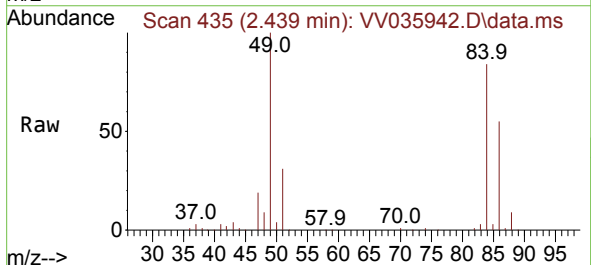
Instrument :  
MSVOA\_V  
ClientSampleId :

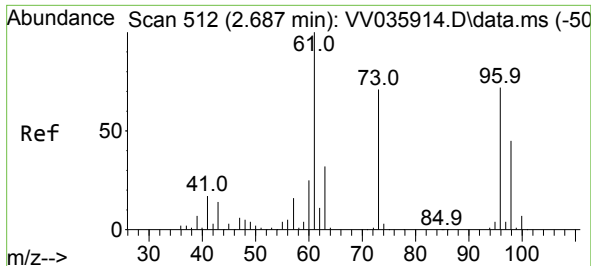
Tgt Ion: 43 Resp: 86959  
Ion Ratio Lower Upper  
43 100  
74 27.9 21.4 32.2



#16  
Methylene chloride  
Concen: 19.679 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

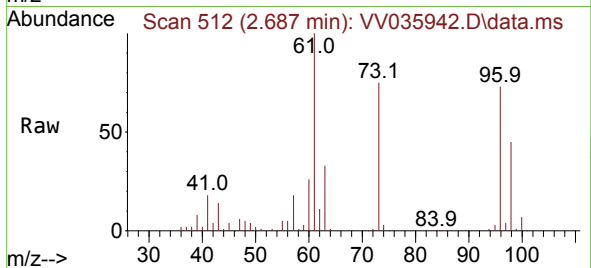
Tgt Ion: 84 Resp: 214886  
Ion Ratio Lower Upper  
84 100  
86 65.1 44.6 82.8  
49 118.6 81.1 150.5



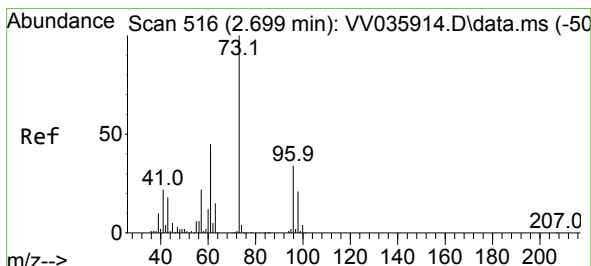
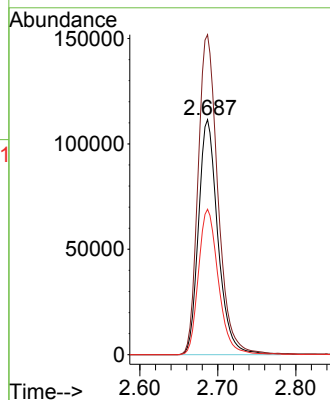
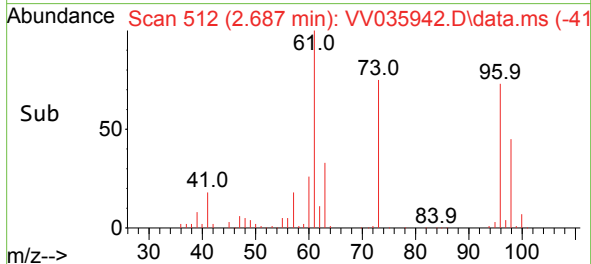


#17  
trans-1,2-Dichloroethene  
Concen: 23.553 ug/L  
RT: 2.687 min Scan# 512  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

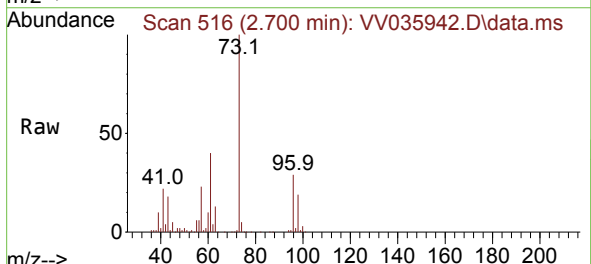
Instrument :  
MSVOA\_V  
ClientSampleId :



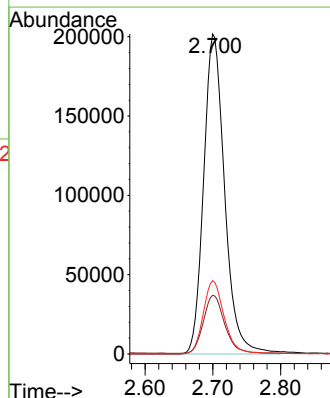
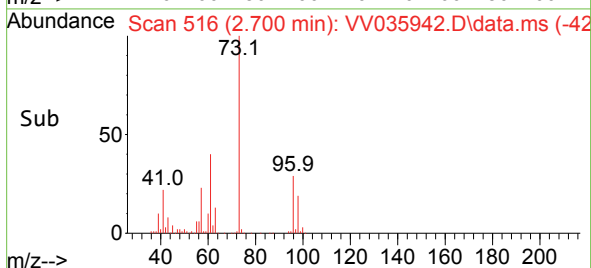
Tgt Ion: 96 Resp: 193339  
Ion Ratio Lower Upper  
96 100  
61 136.1 99.4 184.6  
98 61.9 44.9 83.3

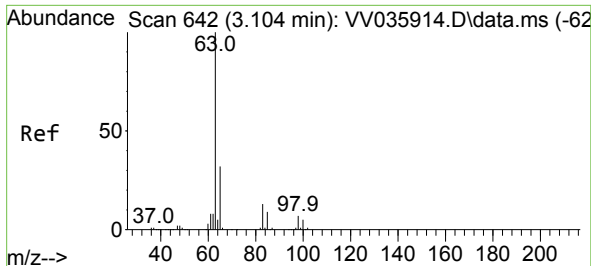


#18  
Methyl tert-butyl Ether  
Concen: 23.560 ug/L  
RT: 2.700 min Scan# 516  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48



Tgt Ion: 73 Resp: 434157  
Ion Ratio Lower Upper  
73 100  
43 18.3 14.3 21.5  
57 22.8 17.8 26.6





#19

1,1-Dichloroethane

Concen: 23.634 ug/L

RT: 3.105 min Scan# 64

Delta R.T. 0.000 min

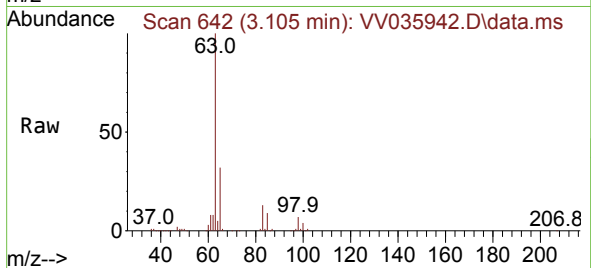
Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :



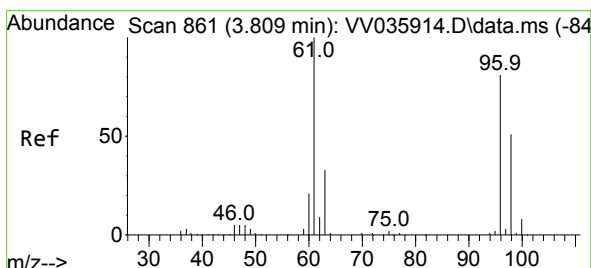
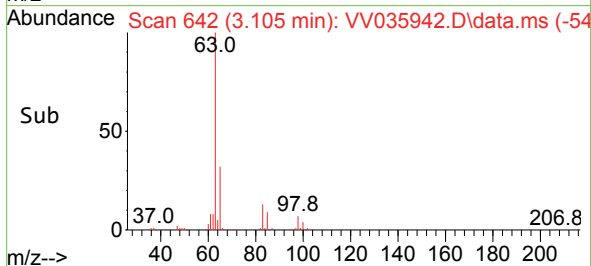
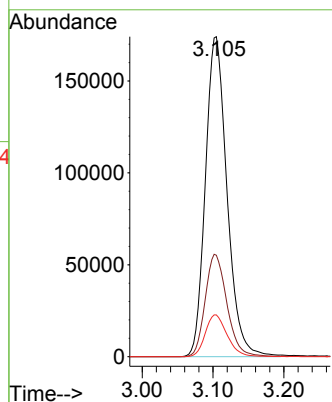
Tgt Ion: 63 Resp: 369451

Ion Ratio Lower Upper

63 100

65 31.7 22.4 41.6

83 13.0 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 22.849 ug/L

RT: 3.806 min Scan# 860

Delta R.T. -0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

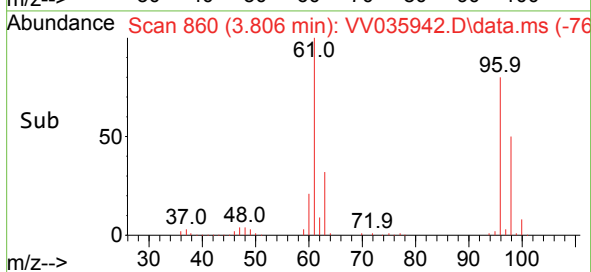
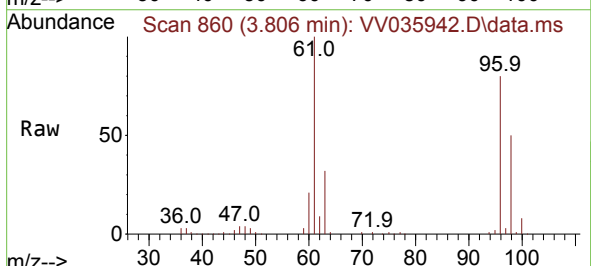
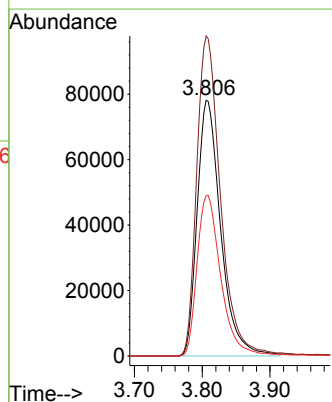
Tgt Ion: 96 Resp: 188462

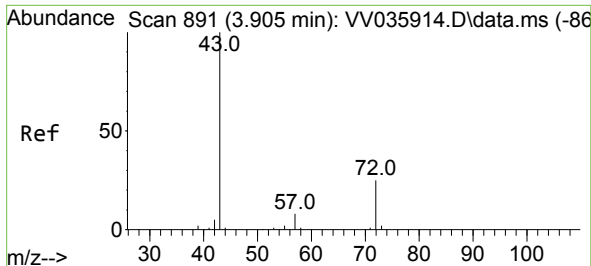
Ion Ratio Lower Upper

96 100

61 125.2 87.9 163.3

98 62.7 44.4 82.5

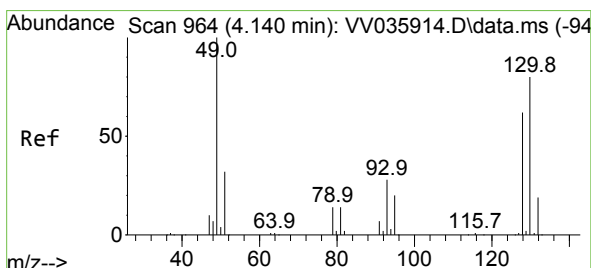
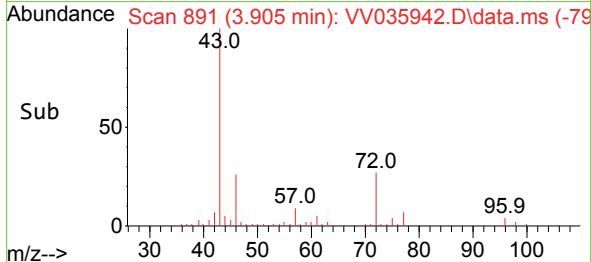
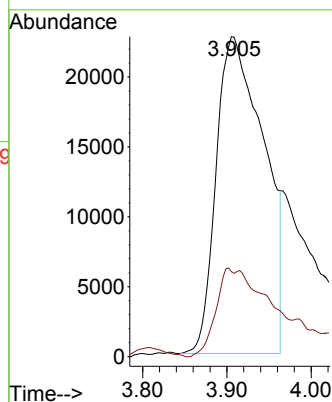
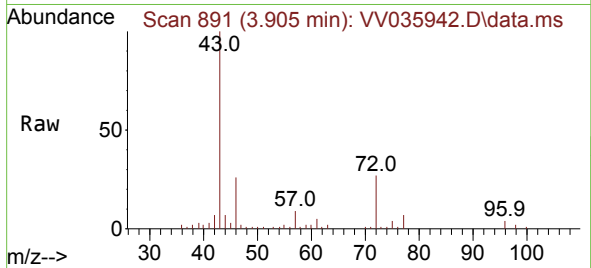




#22  
2-Butanone  
Concen: 33.136 ug/L  
RT: 3.905 min Scan# 891  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

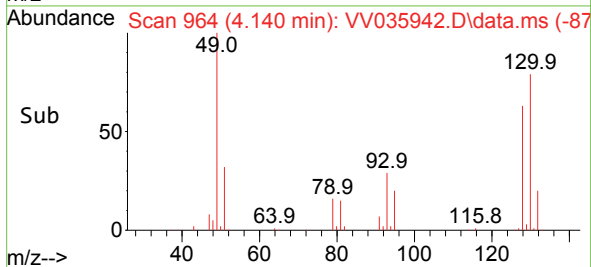
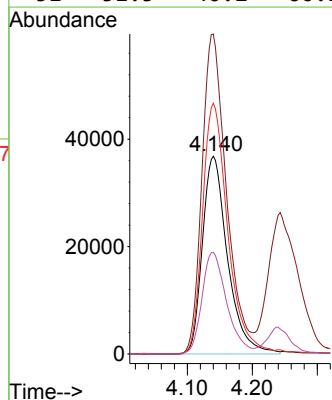
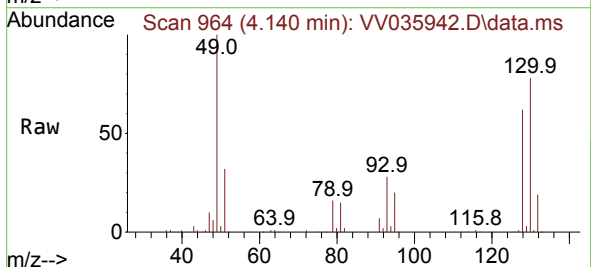
Instrument :  
MSVOA\_V  
ClientSampleId :

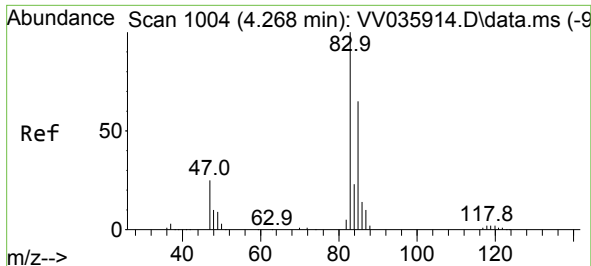
Tgt Ion: 43 Resp: 89150  
Ion Ratio Lower Upper  
43 100  
72 10.8 8.2 24.4



#23  
Bromochloromethane  
Concen: 23.955 ug/L  
RT: 4.140 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

Tgt Ion: 128 Resp: 99111  
Ion Ratio Lower Upper  
128 100  
49 161.9 110.2 204.6  
130 126.8 90.2 167.4  
51 51.5 40.2 60.2

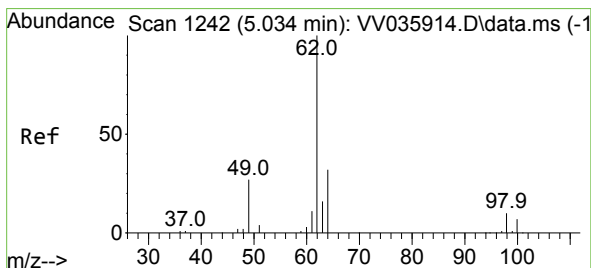
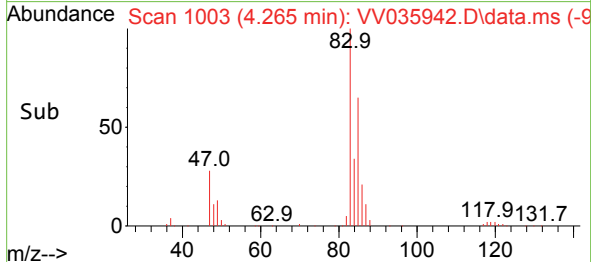
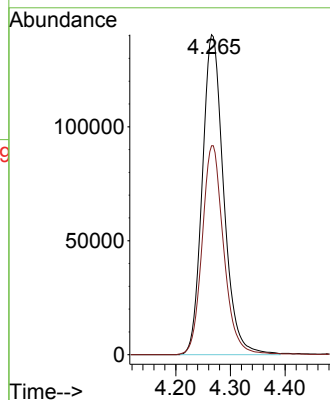
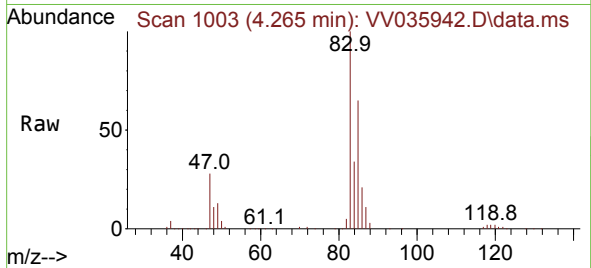




#25  
Chloroform  
Concen: 23.691 ug/L  
RT: 4.265 min Scan# 1003  
Delta R.T. -0.003 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

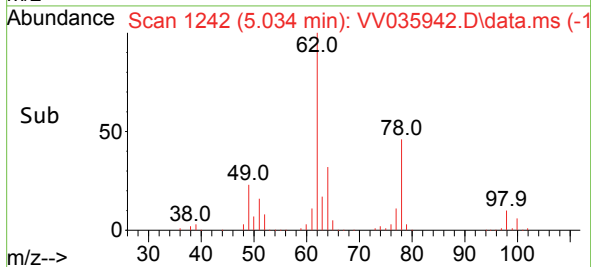
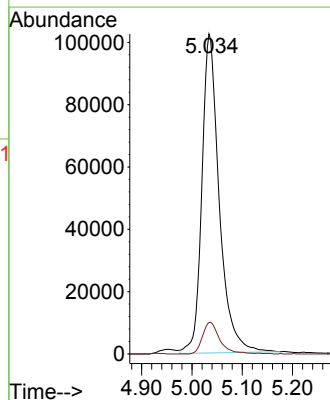
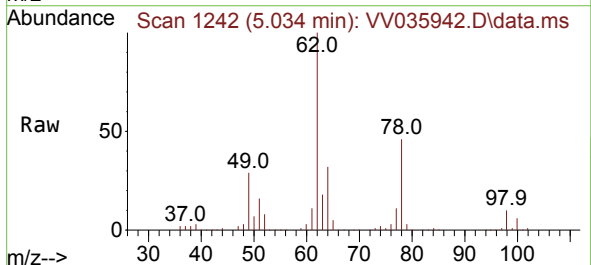
Instrument :  
MSVOA\_V  
ClientSampleId :

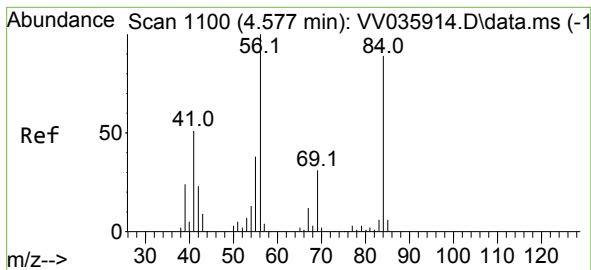
Tgt Ion: 83 Resp: 380965  
Ion Ratio Lower Upper  
83 100  
85 65.3 45.2 84.0



#27  
1,2-Dichloroethane  
Concen: 24.478 ug/L  
RT: 5.034 min Scan# 1242  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

Tgt Ion: 62 Resp: 245744  
Ion Ratio Lower Upper  
62 100  
98 9.8 7.8 11.6





#29

Cyclohexane

Concen: 24.243 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

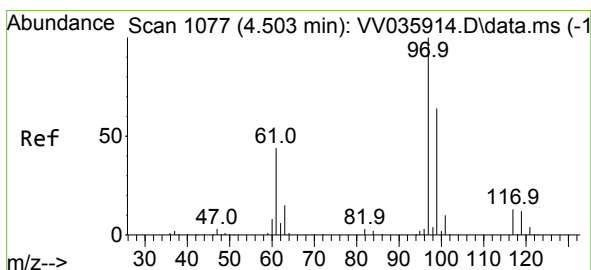
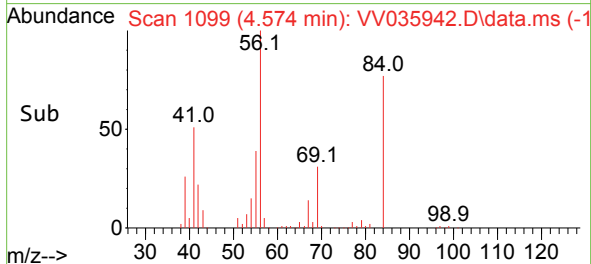
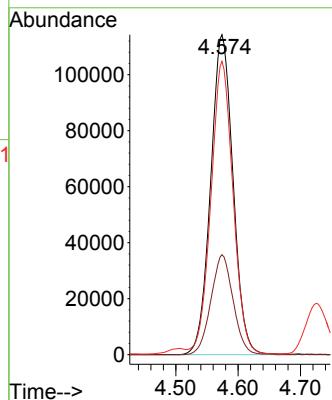
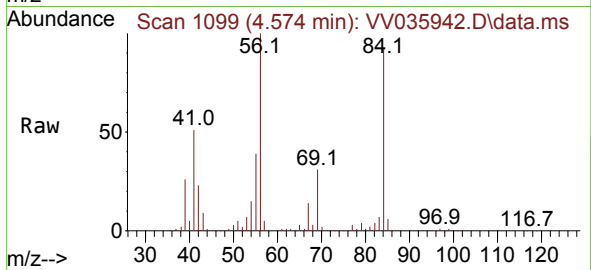
Tgt Ion: 56 Resp: 285019

Ion Ratio Lower Upper

56 100

69 31.0 25.2 37.8

84 90.4 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 23.641 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

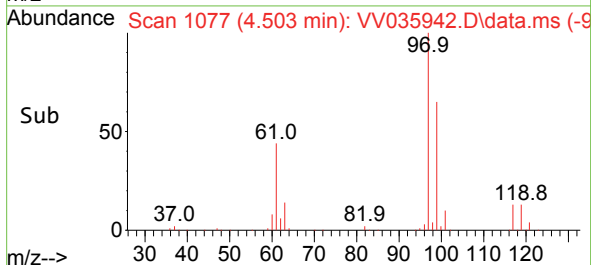
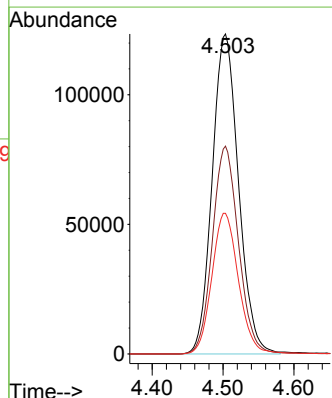
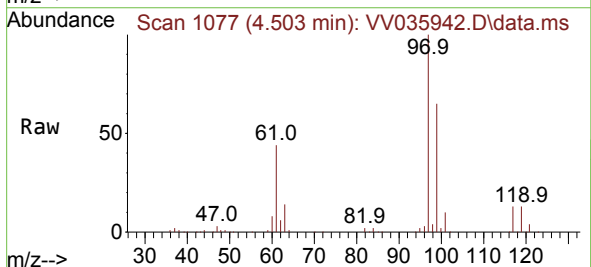
Tgt Ion: 97 Resp: 319145

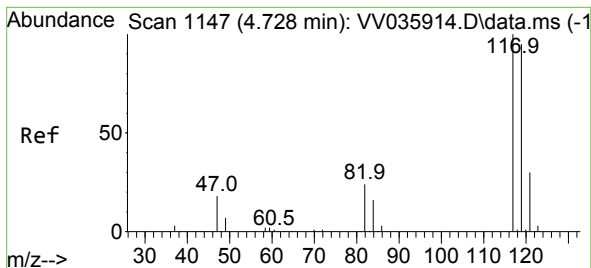
Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

61 44.4 35.0 52.6





#31

Carbon tetrachloride

Concen: 23.757 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. -0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

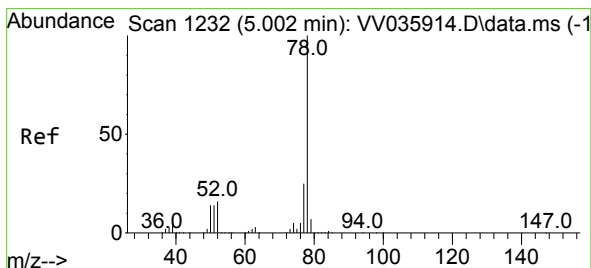
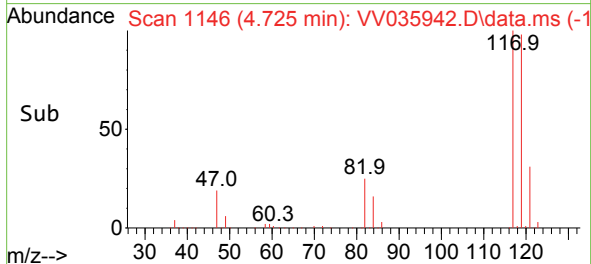
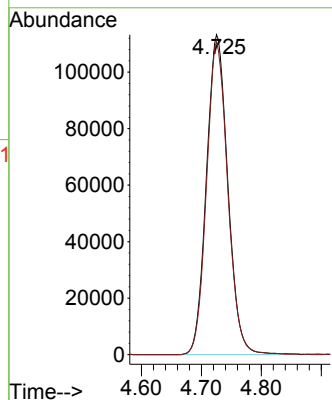
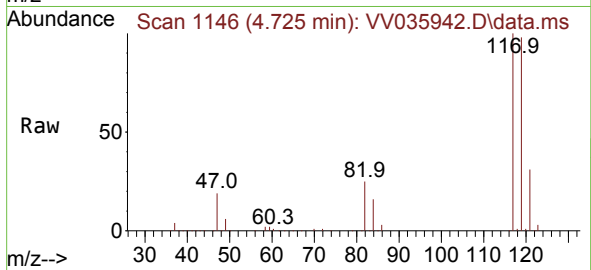
ClientSampleId :

Tgt Ion:117 Resp: 281357

Ion Ratio Lower Upper

117 100

119 96.5 76.8 115.2



#33

Benzene

Concen: 24.449 ug/L

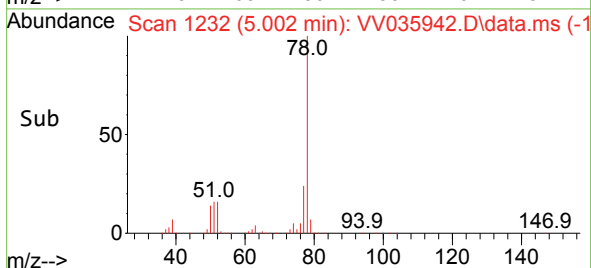
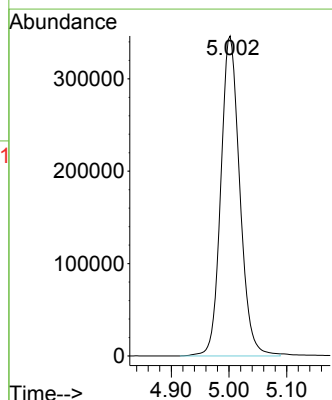
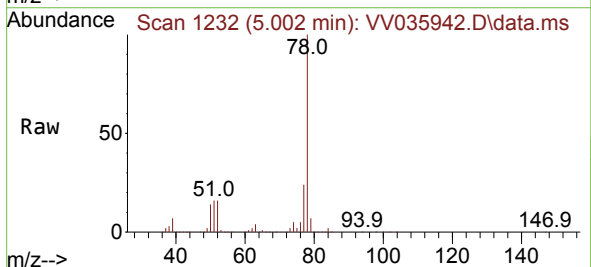
RT: 5.002 min Scan# 1232

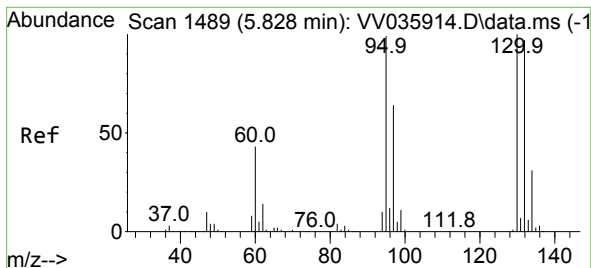
Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Tgt Ion: 78 Resp: 789576





#34

Trichloroethene

Concen: 23.896 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 236519

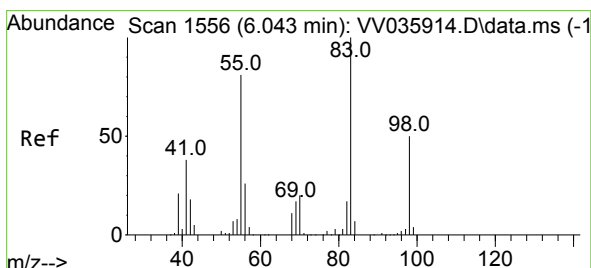
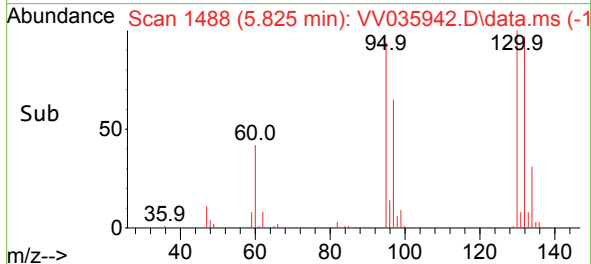
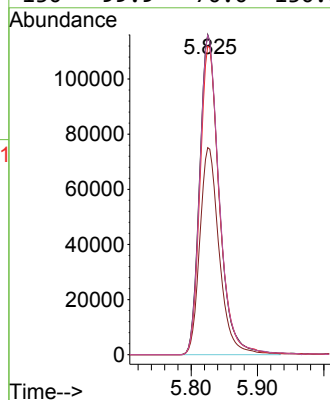
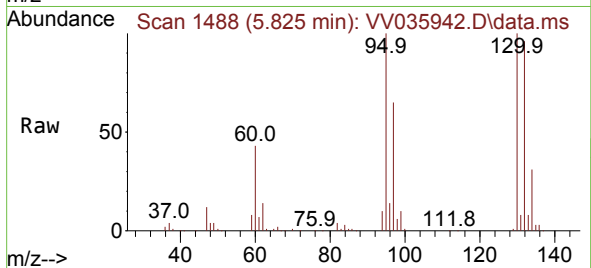
Ion Ratio Lower Upper

95 100

97 64.7 44.8 83.2

132 96.4 66.8 124.2

130 99.9 70.0 130.0



#35

Methylcyclohexane

Concen: 24.708 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

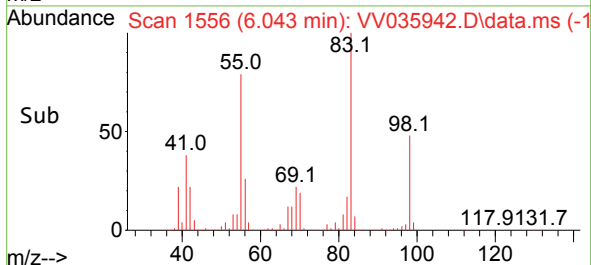
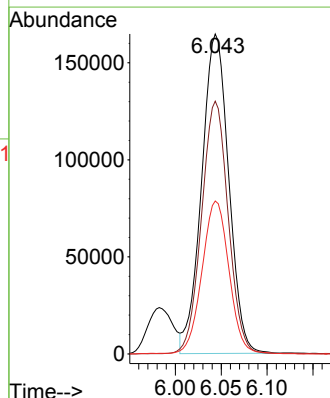
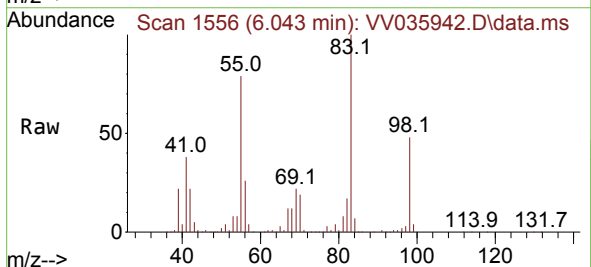
Tgt Ion: 83 Resp: 338209

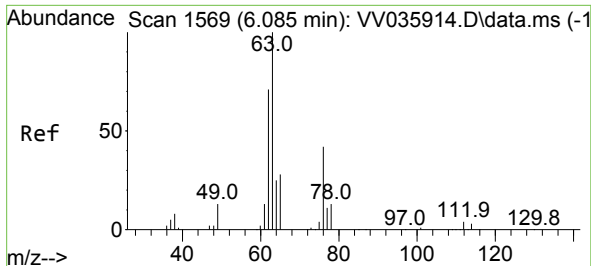
Ion Ratio Lower Upper

83 100

55 77.8 60.7 91.1

98 47.4 38.7 58.1





#37

1,2-Dichloropropane

Concen: 25.001 ug/L

RT: 6.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

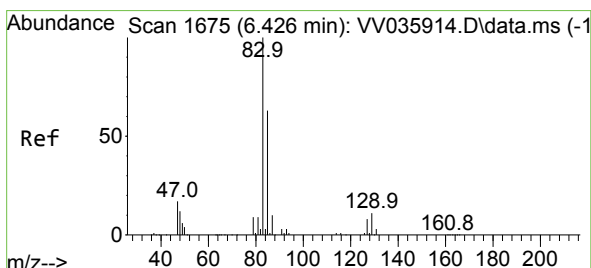
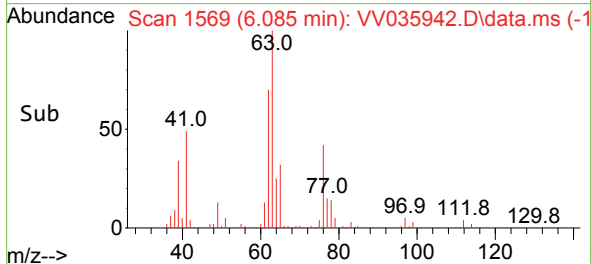
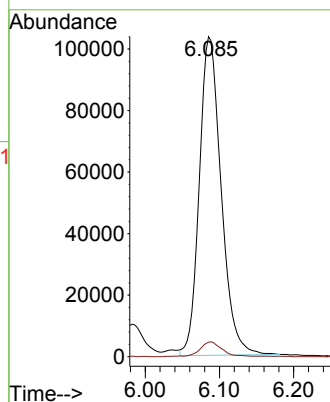
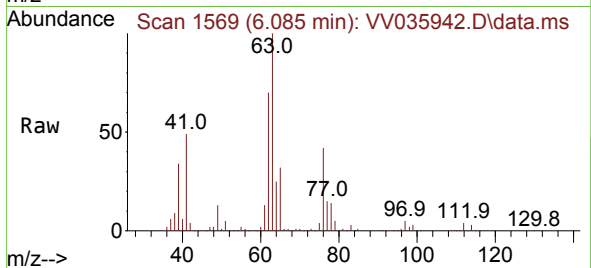
ClientSampleId :

Tgt Ion: 63 Resp: 212014

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 23.819 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

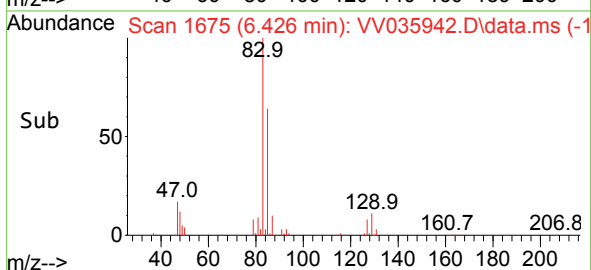
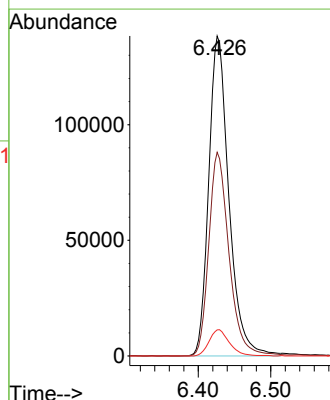
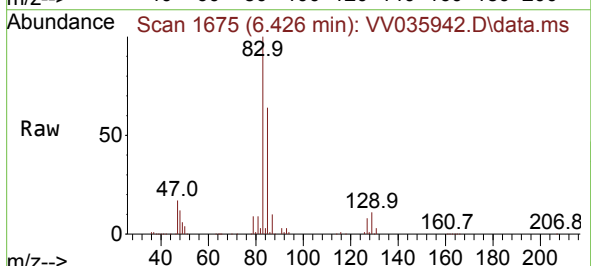
Tgt Ion: 83 Resp: 267344

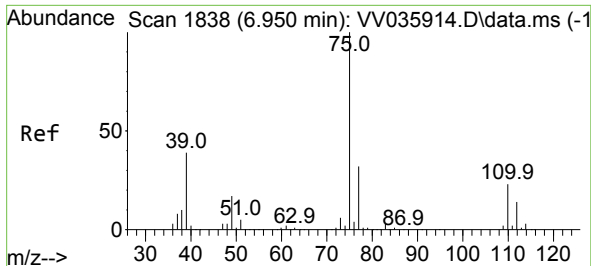
Ion Ratio Lower Upper

83 100

85 63.6 45.3 84.1

127 8.2 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 23.444 ug/L

RT: 6.947 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

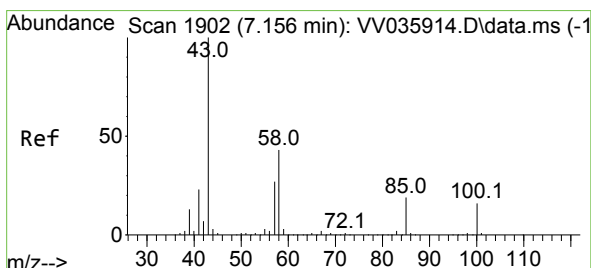
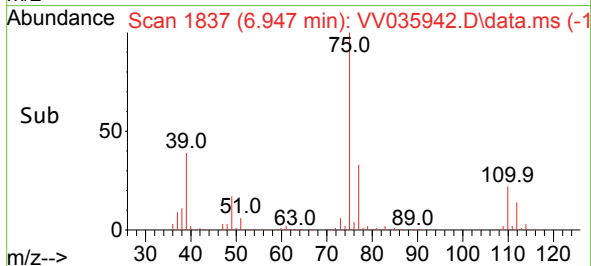
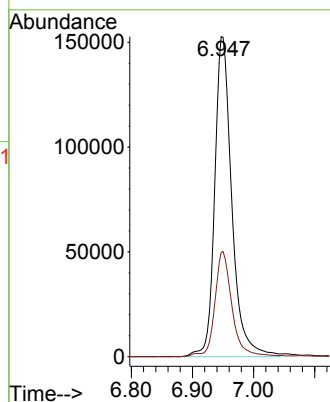
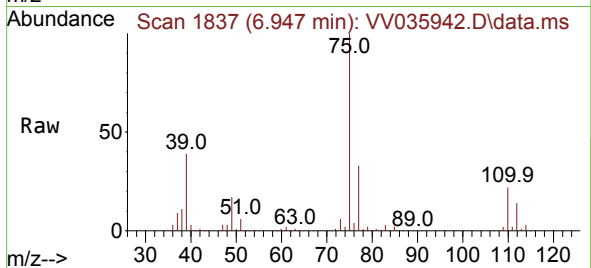
ClientSampleId :

Tgt Ion: 75 Resp: 297354

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 48.957 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

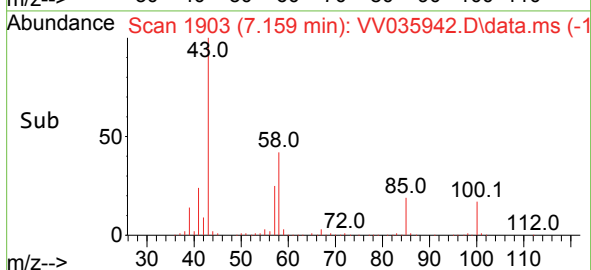
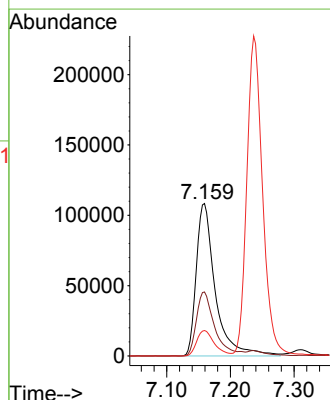
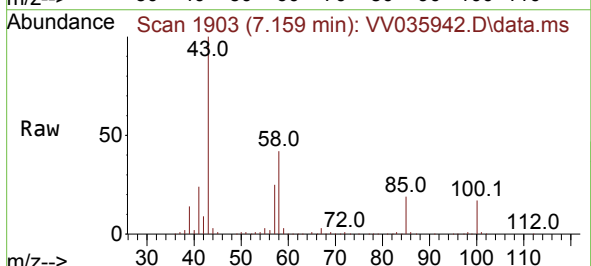
Tgt Ion: 43 Resp: 225556

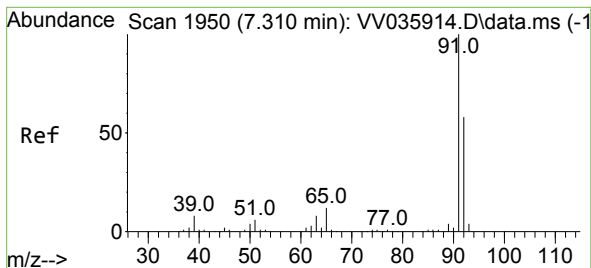
Ion Ratio Lower Upper

43 100

58 39.5 32.5 48.7

100 15.5 12.5 18.7





#42

Toluene

Concen: 25.656 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

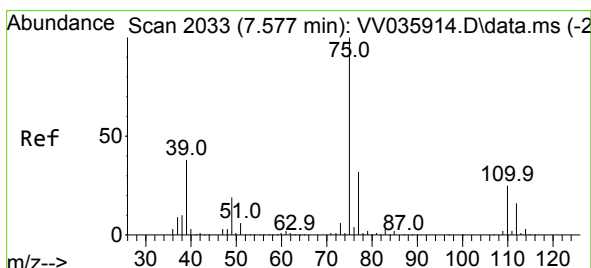
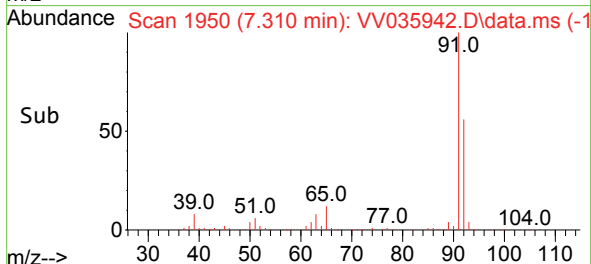
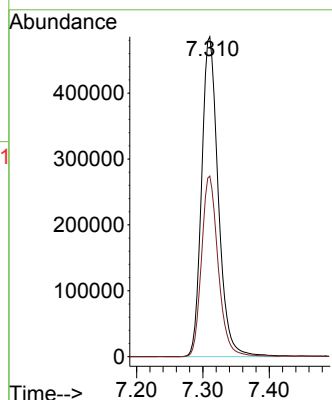
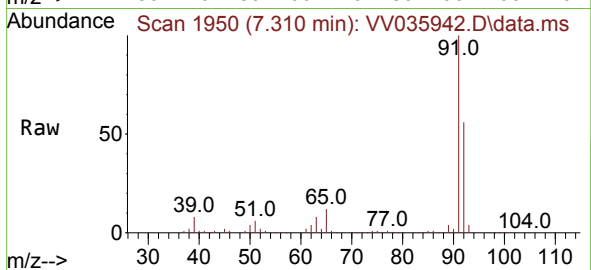
ClientSampleId :

Tgt Ion: 91 Resp: 846638

Ion Ratio Lower Upper

91 100

92 56.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 24.925 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV035942.D

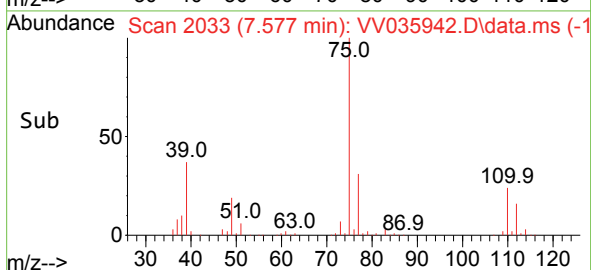
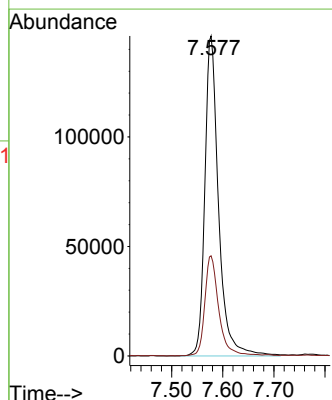
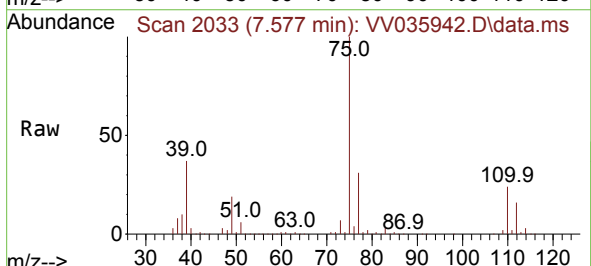
Acq: 03 Jun 2024 08:48

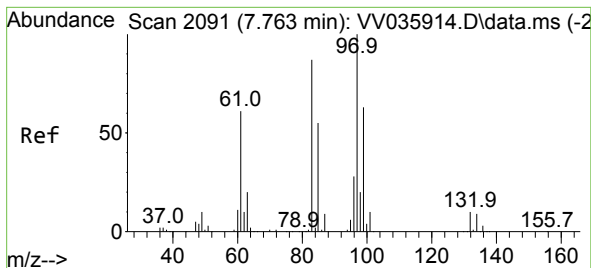
Tgt Ion: 75 Resp: 273066

Ion Ratio Lower Upper

75 100

77 31.3 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 23.486 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 164791

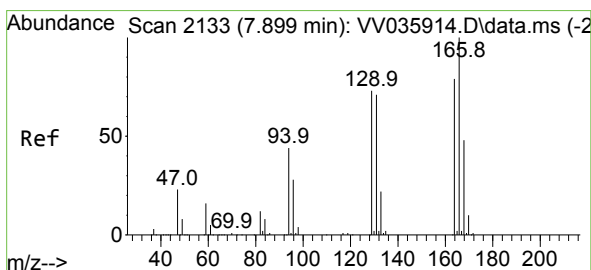
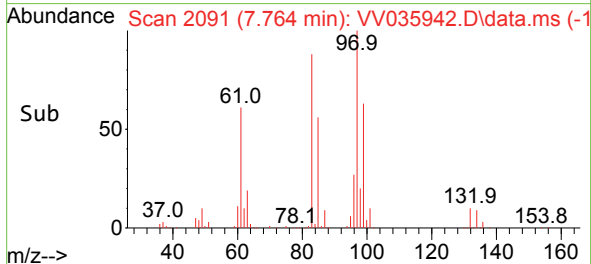
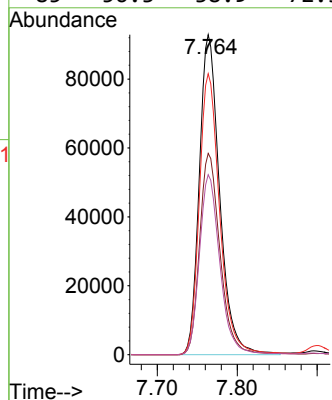
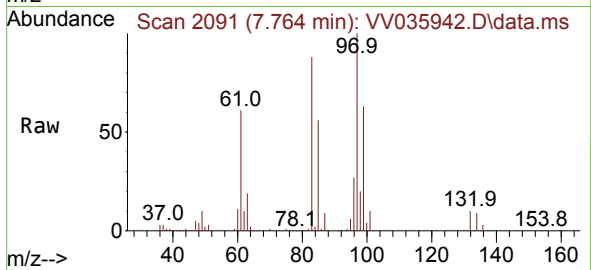
Ion Ratio Lower Upper

97 100

99 62.9 43.3 80.5

83 87.8 60.1 111.7

85 56.3 38.9 72.3



#46

Tetrachloroethene

Concen: 23.541 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Tgt Ion:164 Resp: 170417

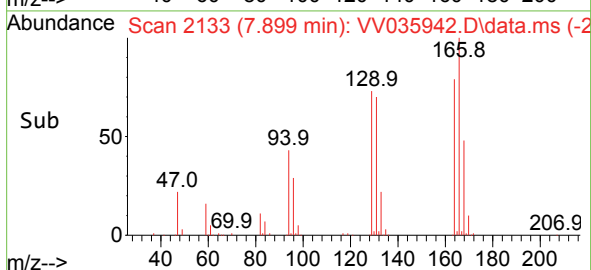
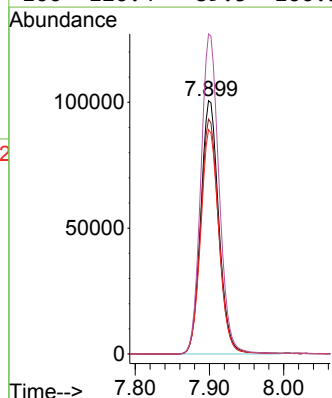
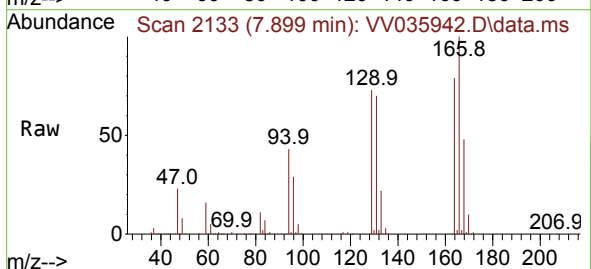
Ion Ratio Lower Upper

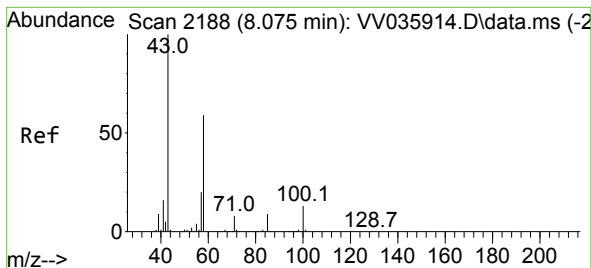
164 100

129 92.8 64.6 120.0

131 88.6 63.2 117.4

166 126.4 89.5 166.3





#48

2-Hexanone

Concen: 53.655 ug/L

RT: 8.076 min Scan# 2188

Delta R.T. 0.000 min

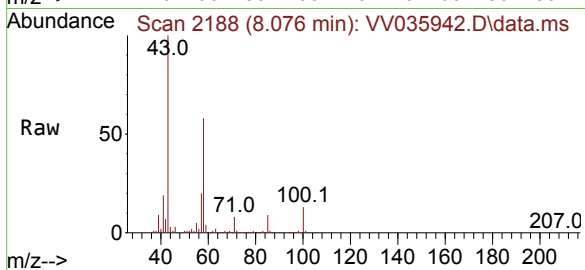
Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 43 Resp: 193258

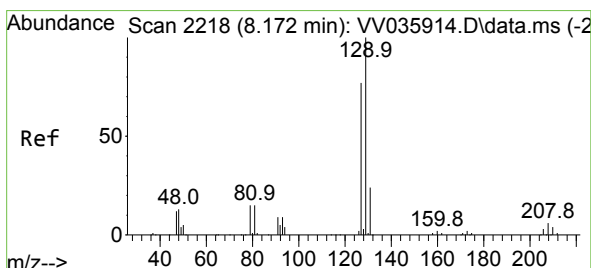
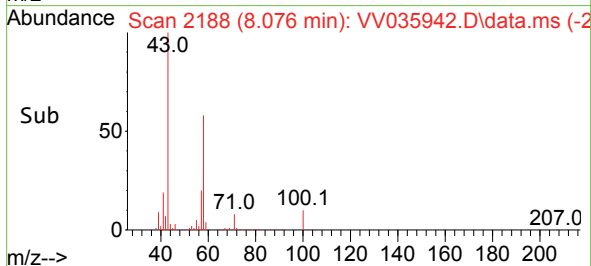
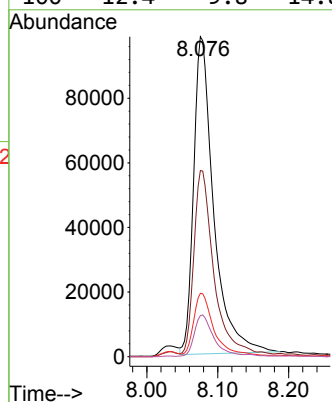
Ion Ratio Lower Upper

43 100

58 56.8 45.4 68.0

57 19.8 15.8 23.8

100 12.4 9.8 14.8



#49

Dibromochloromethane

Concen: 23.704 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV035942.D

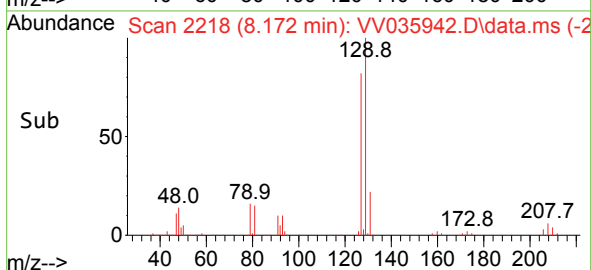
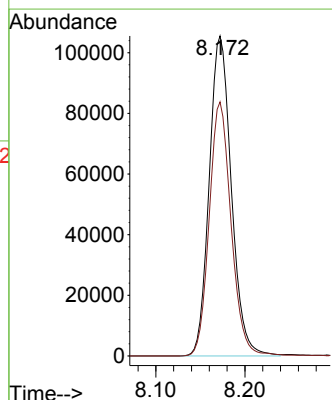
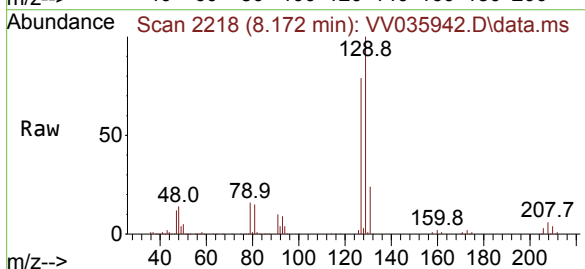
Acq: 03 Jun 2024 08:48

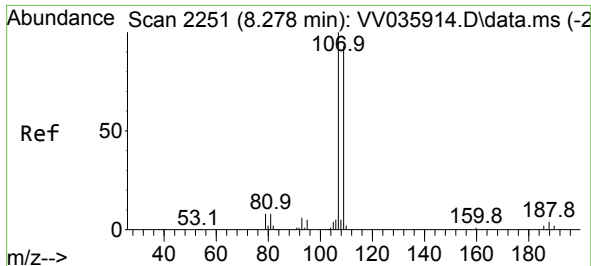
Tgt Ion: 129 Resp: 182025

Ion Ratio Lower Upper

129 100

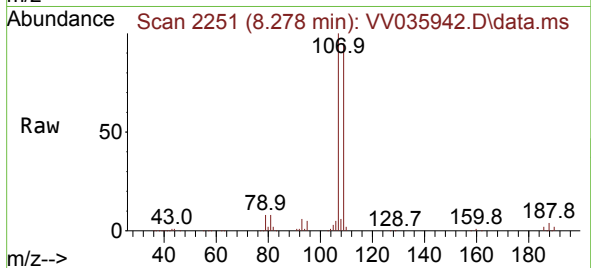
127 79.4 53.9 100.1



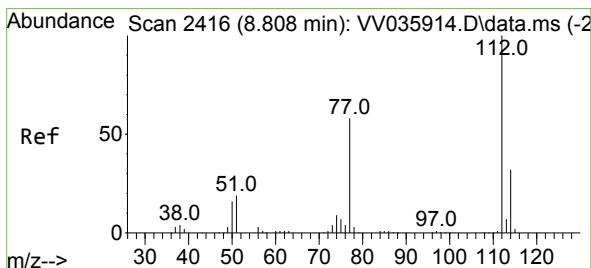
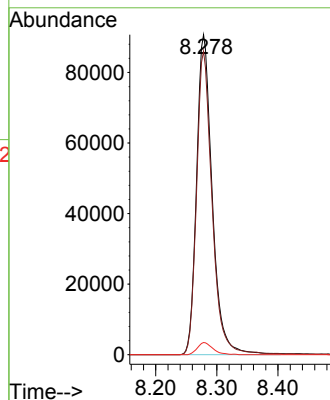
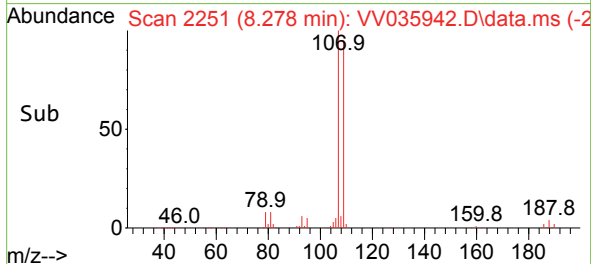


#50  
1,2-Dibromoethane  
Concen: 24.043 ug/L  
RT: 8.278 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

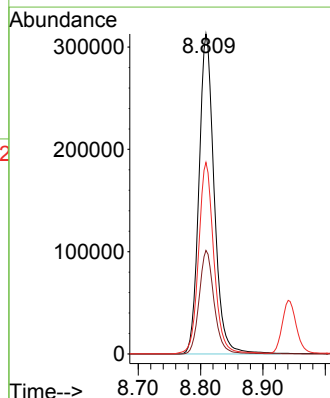
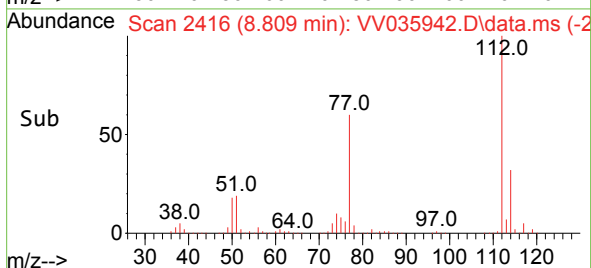
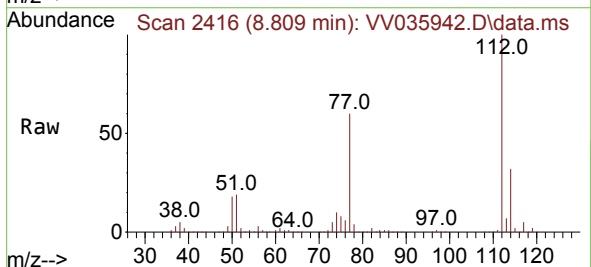


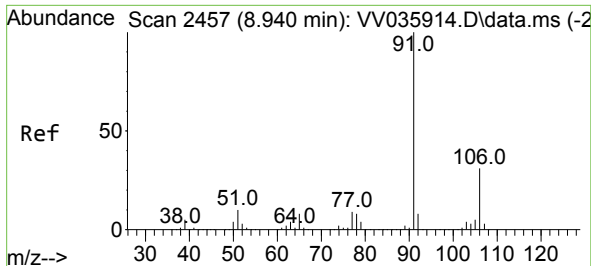
Tgt Ion:107 Resp: 161870  
Ion Ratio Lower Upper  
107 100  
109 94.9 66.1 122.7  
188 3.8 3.0 4.6



#51  
Chlorobenzene  
Concen: 23.619 ug/L  
RT: 8.809 min Scan# 2416  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

Tgt Ion:112 Resp: 531076  
Ion Ratio Lower Upper  
112 100  
114 32.3 22.3 41.5  
77 59.8 47.3 70.9

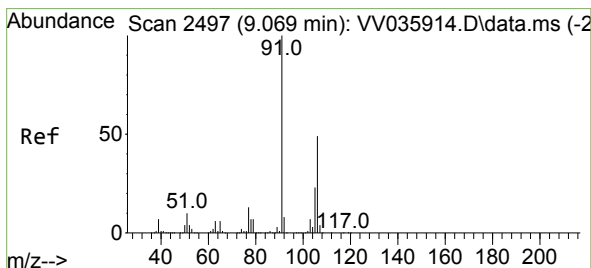
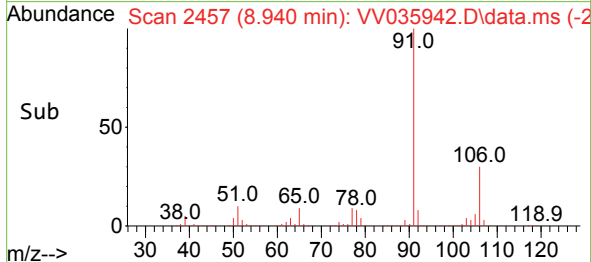
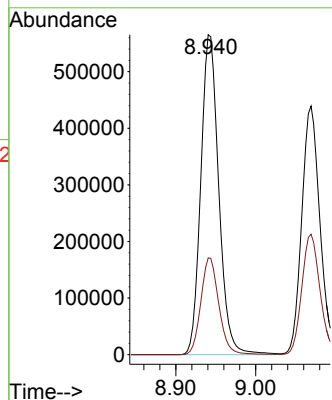
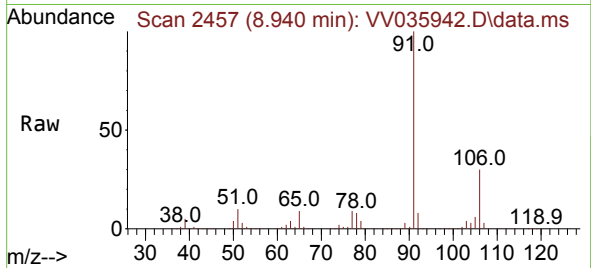




#52  
Ethylbenzene  
Concen: 25.071 ug/L  
RT: 8.940 min Scan# 2457  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

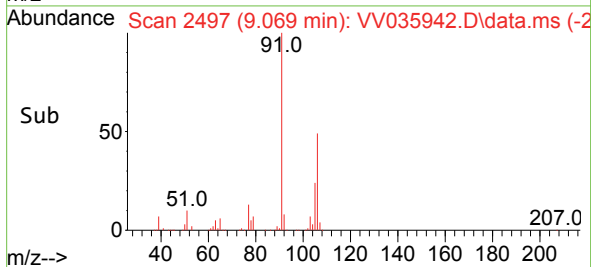
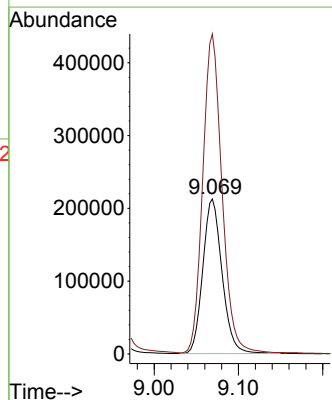
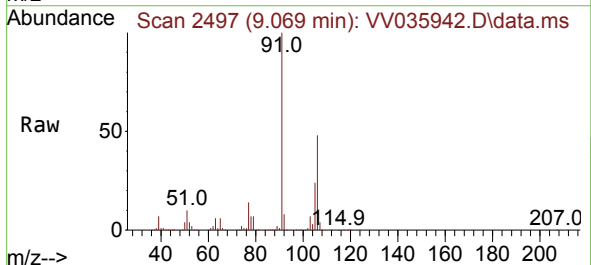
Instrument :  
MSVOA\_V  
ClientSampleId :

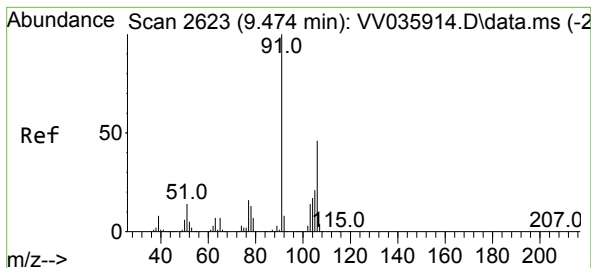
Tgt Ion: 91 Resp: 885169  
Ion Ratio Lower Upper  
91 100  
106 30.2 21.6 40.0



#53  
m,p-Xylene  
Concen: 25.493 ug/L  
RT: 9.069 min Scan# 2497  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

Tgt Ion:106 Resp: 338198  
Ion Ratio Lower Upper  
106 100  
91 206.3 143.1 265.9





#54

o-Xylene

Concen: 24.800 ug/L

RT: 9.474 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

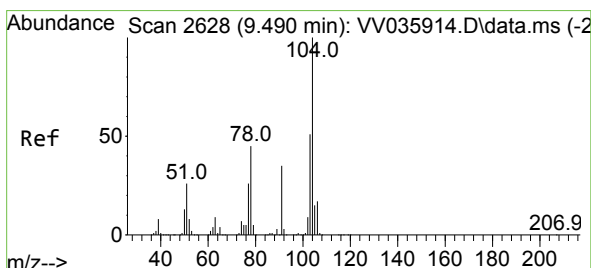
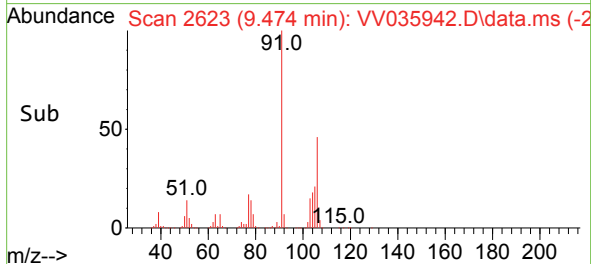
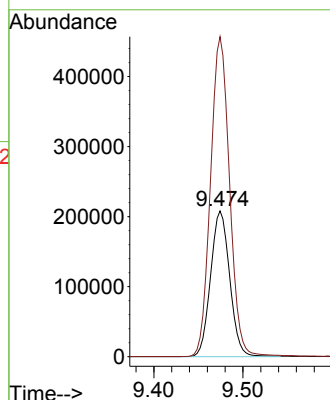
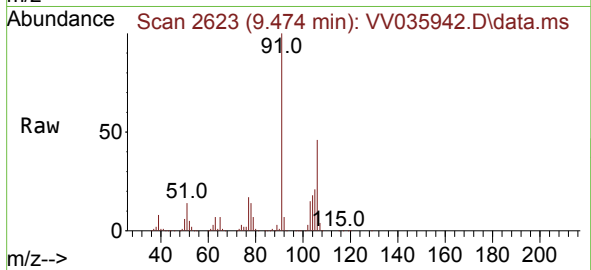
ClientSampleId :

Tgt Ion:106 Resp: 310261

Ion Ratio Lower Upper

106 100

91 219.6 154.5 286.9



#55

Styrene

Concen: 26.643 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.000 min

Lab File: VV035942.D

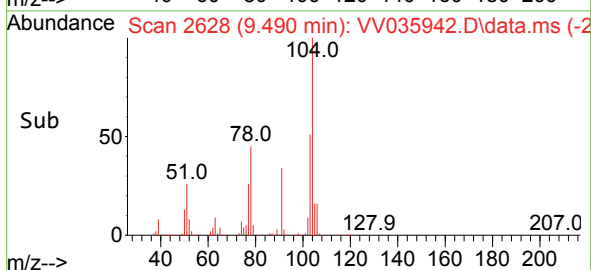
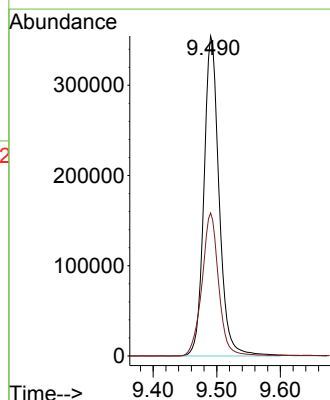
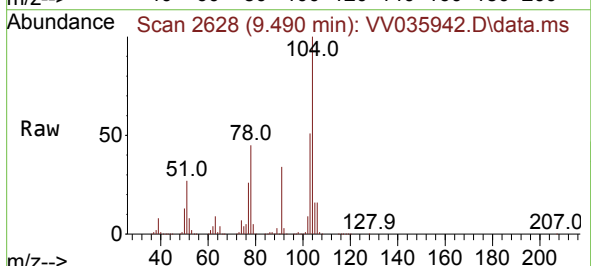
Acq: 03 Jun 2024 08:48

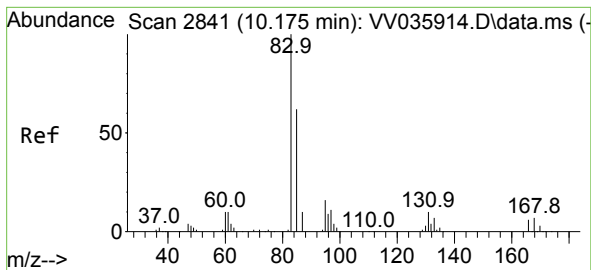
Tgt Ion:104 Resp: 587797

Ion Ratio Lower Upper

104 100

78 44.7 31.4 58.2

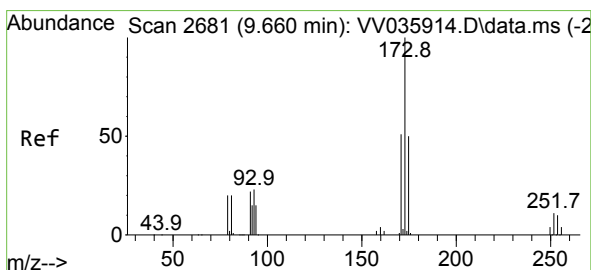
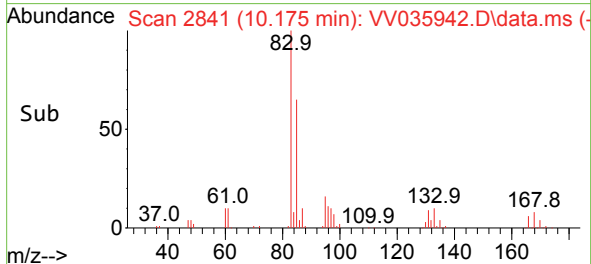
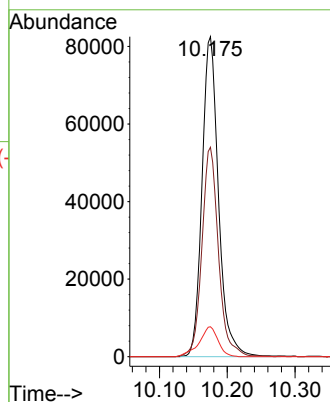
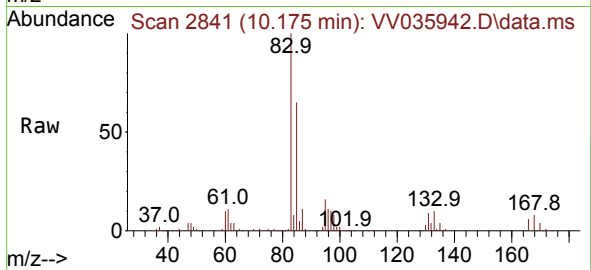




#57  
1,1,2,2-Tetrachloroethane  
Concen: 22.150 ug/L  
RT: 10.175 min Scan# 2841  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

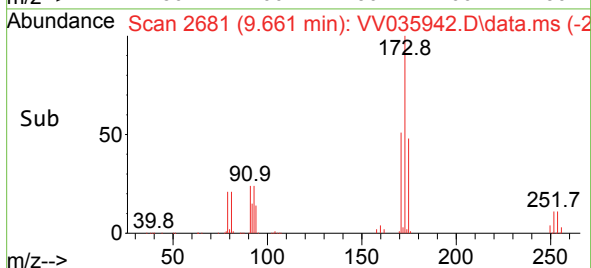
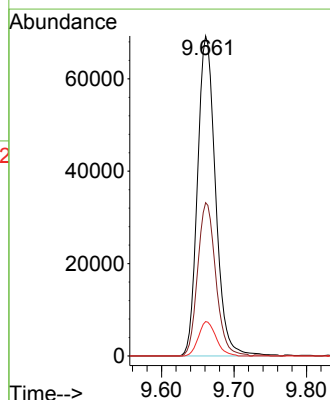
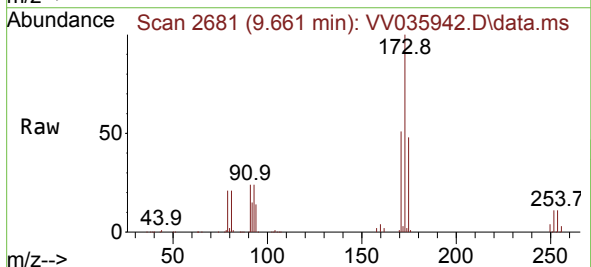
Instrument :  
MSVOA\_V  
ClientSampleId :

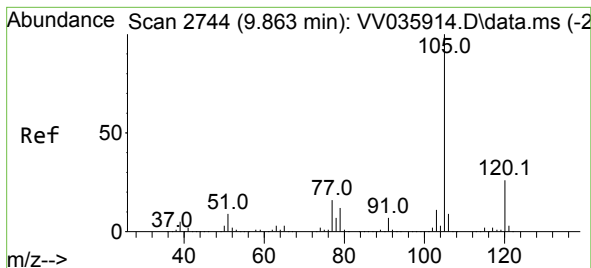
Tgt Ion: 83 Resp: 139161  
Ion Ratio Lower Upper  
83 100  
85 65.4 45.1 83.7  
131 9.4 7.6 11.4



#59  
Bromoform  
Concen: 22.845 ug/L  
RT: 9.661 min Scan# 2681  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

Tgt Ion: 173 Resp: 119475  
Ion Ratio Lower Upper  
173 100  
175 48.1 39.0 58.6  
254 10.5 8.6 13.0





#60

Isopropylbenzene

Concen: 24.466 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

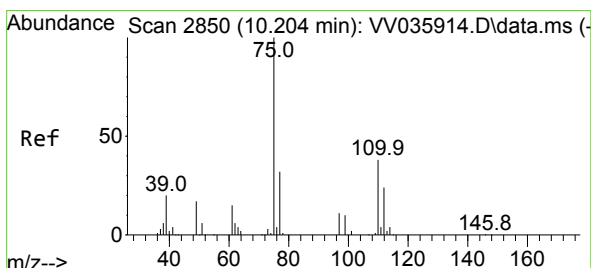
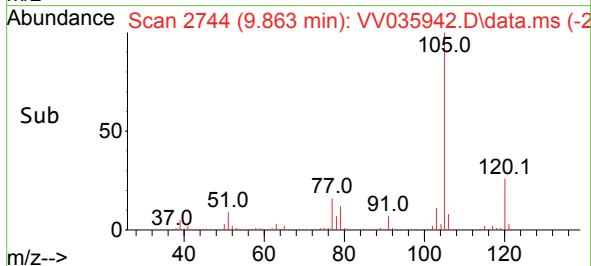
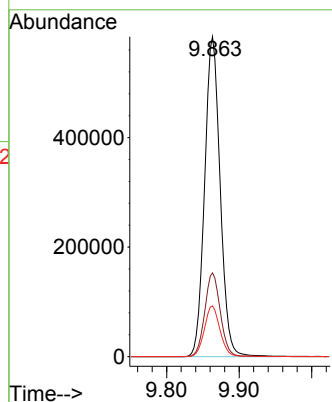
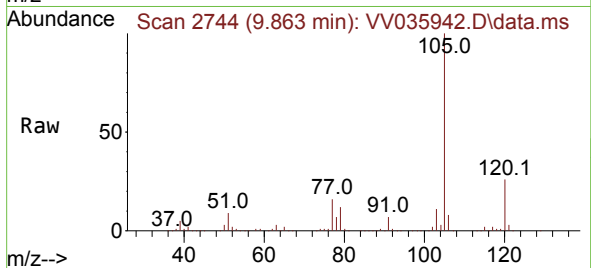
Tgt Ion:105 Resp: 870472

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

77 15.8 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 22.728 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

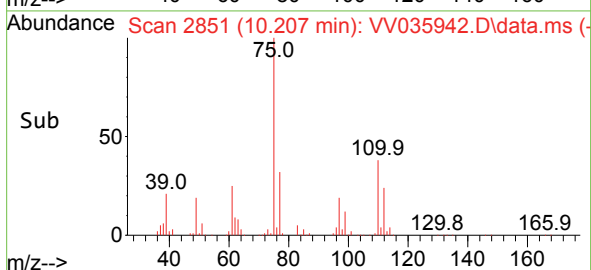
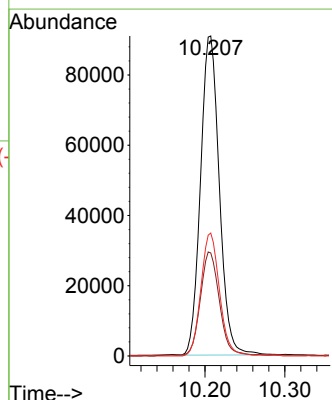
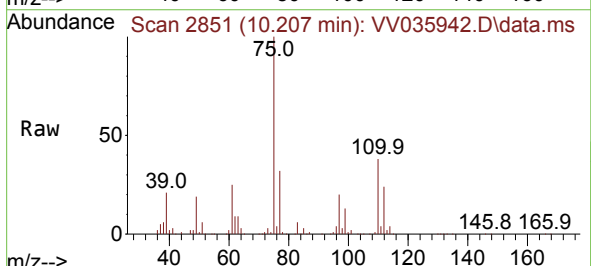
Tgt Ion: 75 Resp: 149068

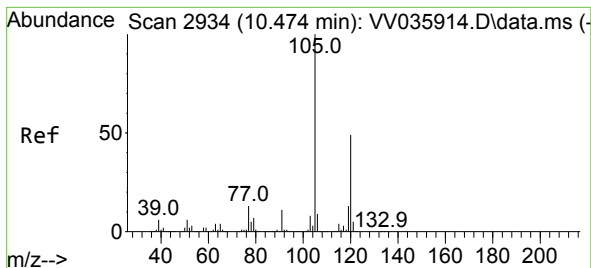
Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0

110 38.1 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 23.997 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

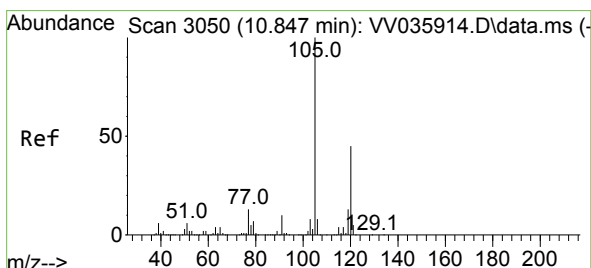
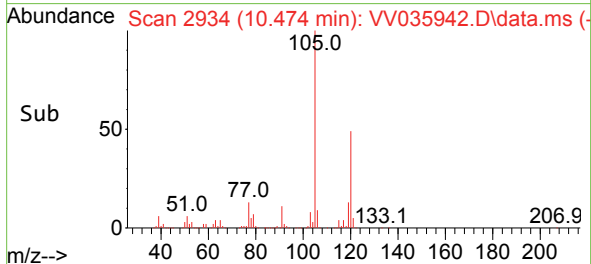
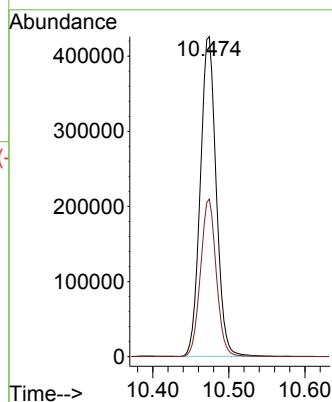
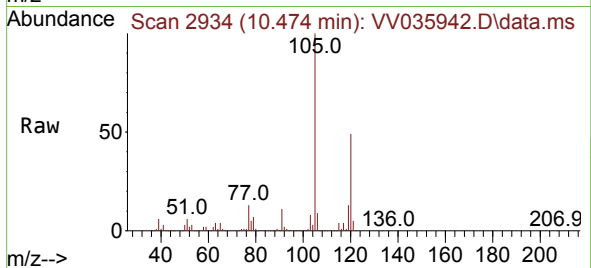
ClientSampleId :

Tgt Ion:105 Resp: 619117

Ion Ratio Lower Upper

105 100

120 48.7 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 24.914 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV035942.D

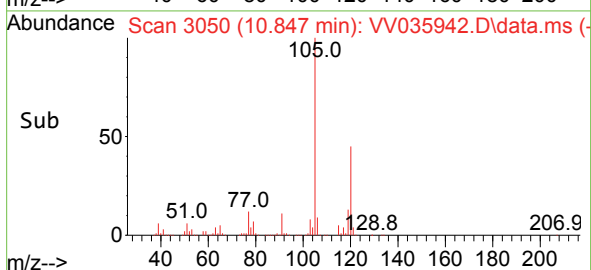
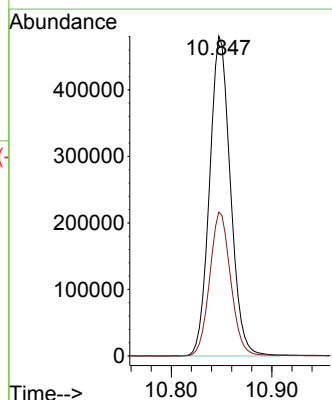
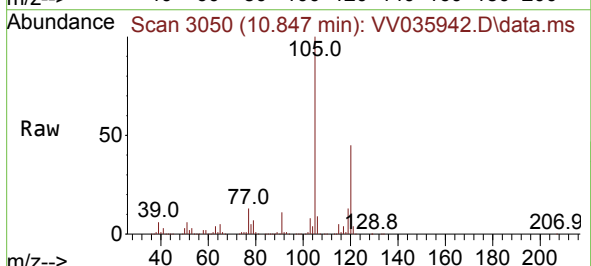
Acq: 03 Jun 2024 08:48

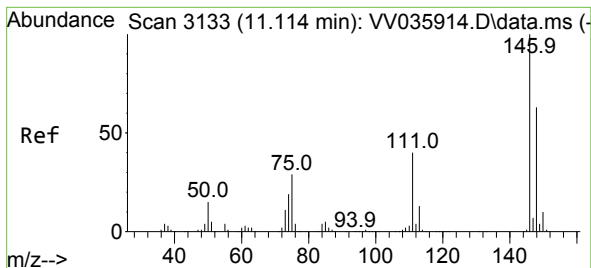
Tgt Ion:105 Resp: 692538

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 23.257 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

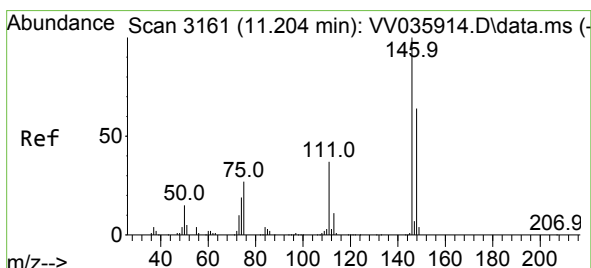
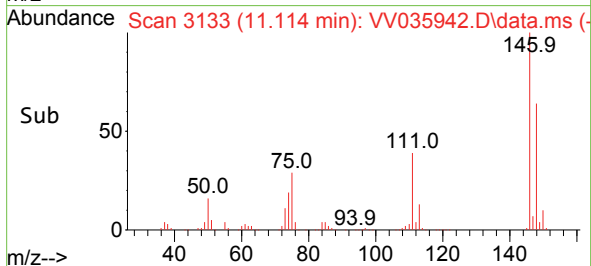
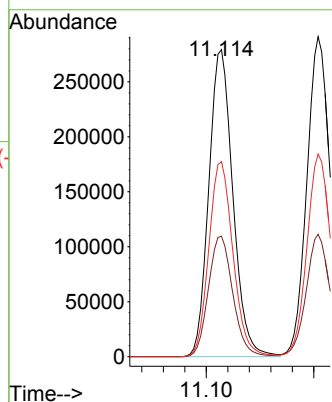
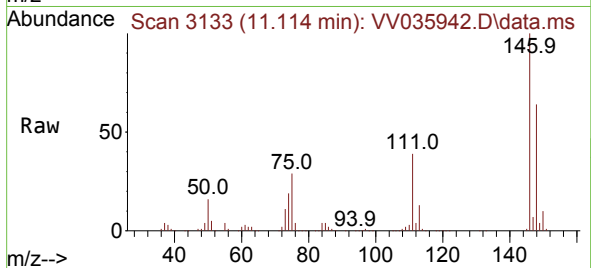
Tgt Ion:146 Resp: 434537

Ion Ratio Lower Upper

146 100

111 39.3 28.1 52.1

148 63.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 23.551 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

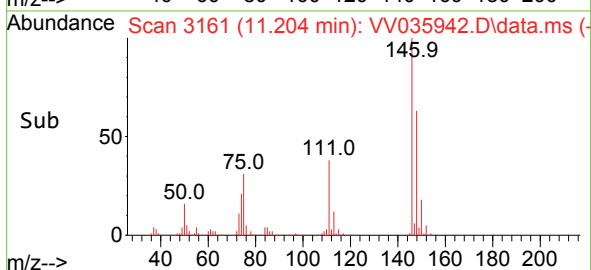
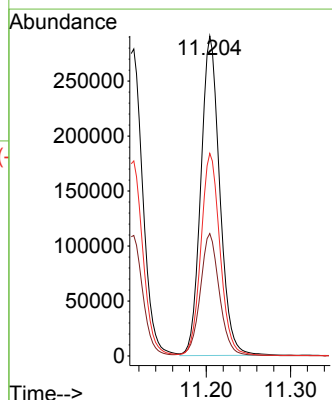
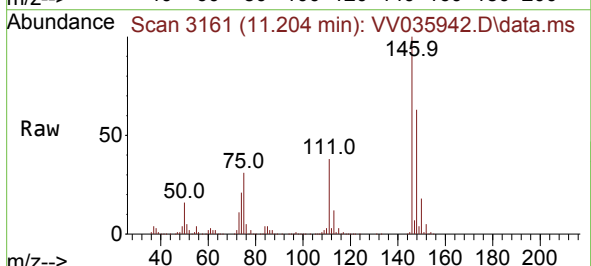
Tgt Ion:146 Resp: 454193

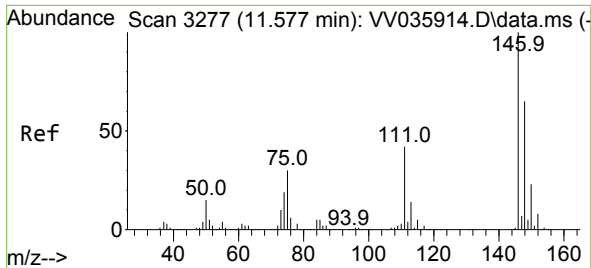
Ion Ratio Lower Upper

146 100

111 38.2 26.9 50.1

148 63.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 23.263 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

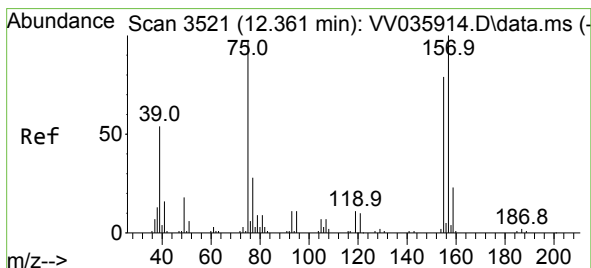
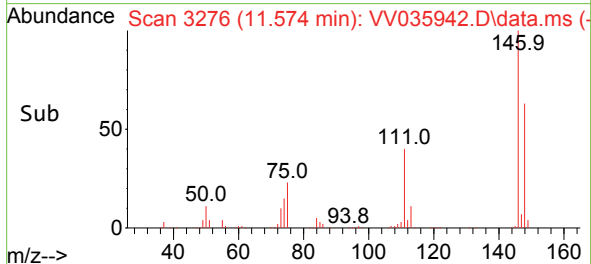
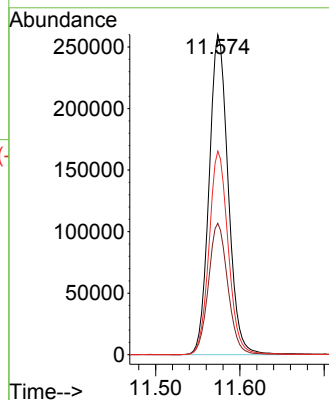
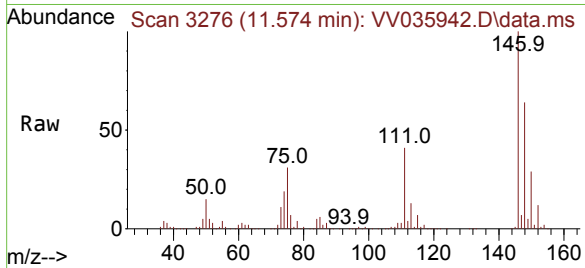
Tgt Ion:146 Resp: 409029

Ion Ratio Lower Upper

146 100

111 41.1 33.5 50.3

148 63.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 22.897 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035942.D

Acq: 03 Jun 2024 08:48

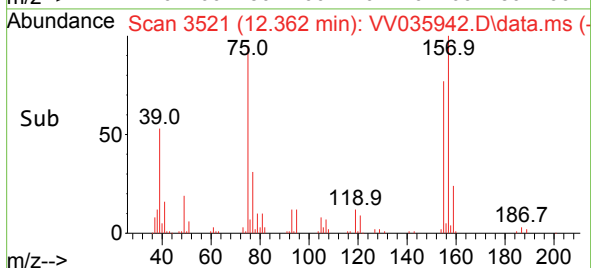
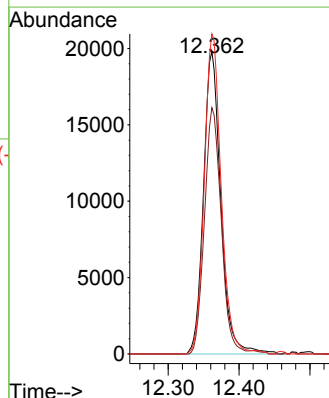
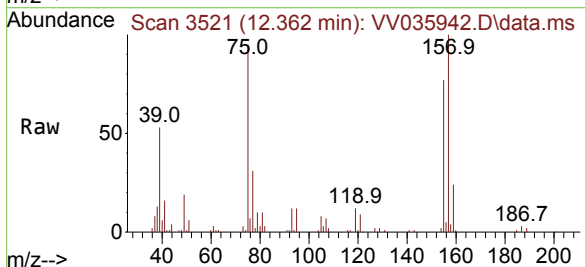
Tgt Ion: 75 Resp: 33582

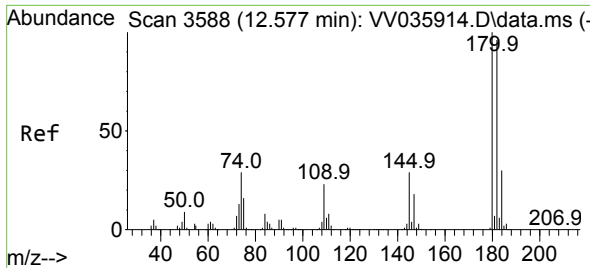
Ion Ratio Lower Upper

75 100

155 81.4 63.3 94.9

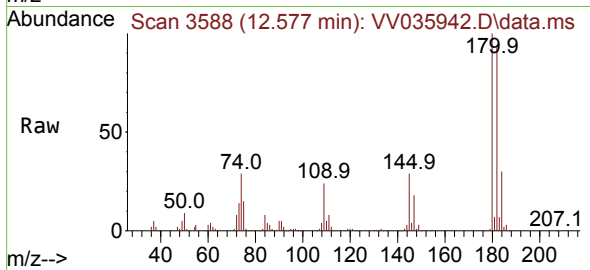
157 105.8 82.4 123.6



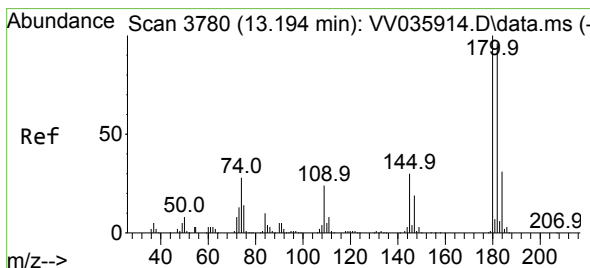
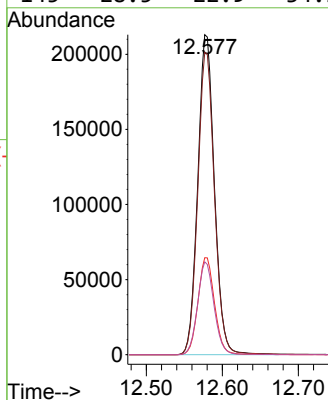
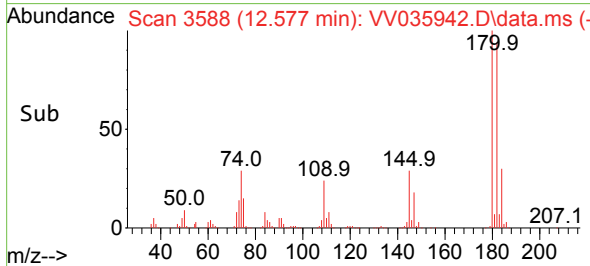


#69  
1,3,5-Trichlorobenzene  
Concen: 23.223 ug/L  
RT: 12.577 min Scan# 3588  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

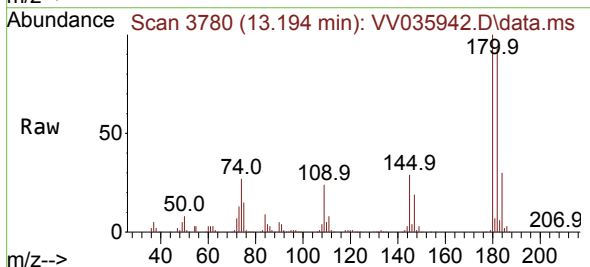
Instrument :  
MSVOA\_V  
ClientSampleId :



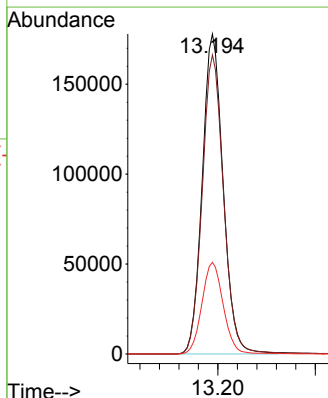
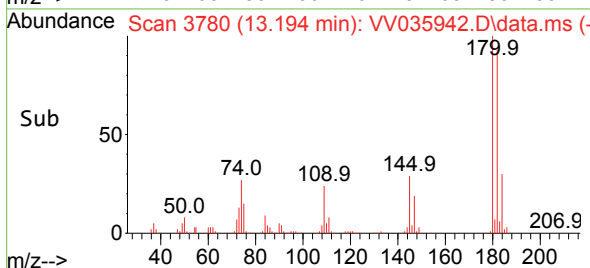
Tgt Ion:180 Resp: 324572  
Ion Ratio Lower Upper  
180 100  
182 94.4 76.2 114.4  
184 30.1 24.2 36.2  
145 28.5 22.9 34.3

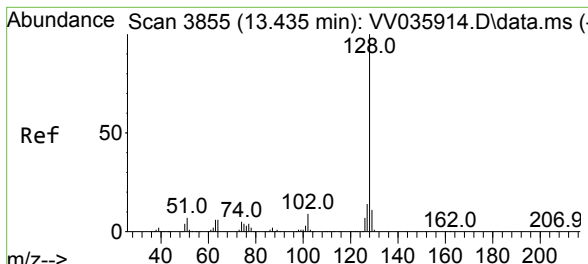


#70  
1,2,4-trichlorobenzene  
Concen: 24.077 ug/L  
RT: 13.194 min Scan# 3780  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48



Tgt Ion:180 Resp: 264961  
Ion Ratio Lower Upper  
180 100  
182 95.0 76.1 114.1  
145 29.0 23.5 35.3

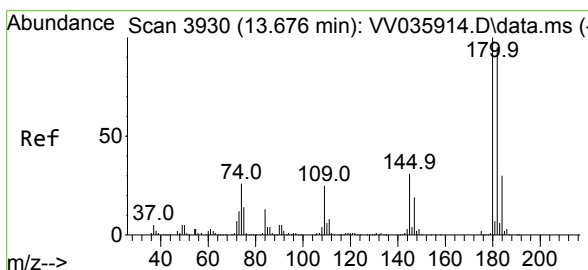
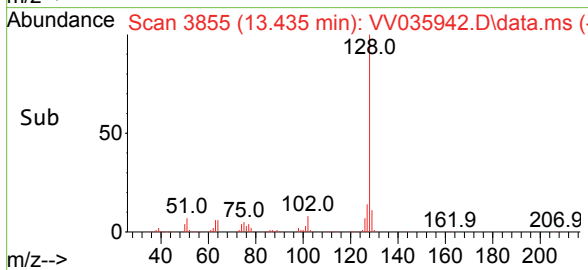
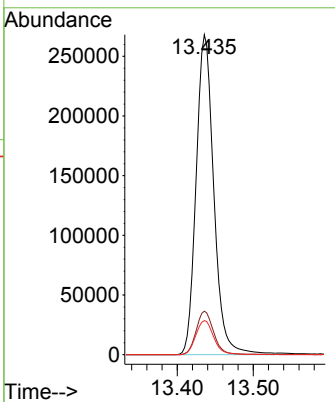
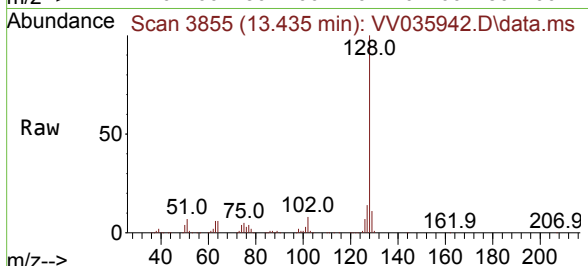




#71  
Naphthalene  
Concen: 24.133 ug/L  
RT: 13.435 min Scan# 3855  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 433409 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.5  | 10.6  | 16.0   |
| 129       | 10.8  | 8.8   | 13.2   |



#72  
1,2,3-Trichlorobenzene  
Concen: 25.776 ug/L  
RT: 13.677 min Scan# 3930  
Delta R.T. 0.000 min  
Lab File: VV035942.D  
Acq: 03 Jun 2024 08:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 258846 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 75.1  | 112.7  |
| 145       | 31.3  | 25.2  | 37.8   |

