

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051524\  
 Data File : VV035616.D  
 Acq On : 15 May 2024 14:58  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 16 01:36:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR051424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 16 01:35:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 235831   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 242636   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 127890   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 62967    | 4.210    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 84.200%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 60980    | 4.502    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 28578    | 4.301    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.000%  |
| 20) 2-Butanone-d5             | 3.809  | 46    | 184258   | 52.855   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 105.700% |
| 24) Chloroform-d              | 4.243  | 84    | 154817   | 4.878    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.600%  |
| 26) 1,2-Dichloroethane-d4     | 4.940  | 65    | 72056    | 4.951    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.000%  |
| 32) Benzene-d6                | 4.957  | 84    | 274981   | 4.945    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67    | 88488    | 5.021    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.400% |
| 41) Toluene-d8                | 7.239  | 98    | 246016   | 5.017    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400% |
| 43) trans-1,3-Dichloroprop... | 7.555  | 79    | 32596    | 5.317    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 106.400% |
| 46) 2-Hexanone-d5             | 8.024  | 63    | 148039   | 53.376   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.760% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 70687    | 4.951    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 95450    | 4.826    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 92759    | 4.909    | ug/L   | 100      |
| 3) Chloromethane              | 1.214  | 50    | 101236   | 4.748    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.281  | 62    | 106141   | 4.957    | ug/L   | 100      |
| 6) Bromomethane               | 1.487  | 94    | 69391    | 4.799    | ug/L   | 98       |
| 8) Chloroethane               | 1.548  | 64    | 67886    | 4.902    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 140094   | 5.064    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101   | 89518    | 5.147    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 82621    | 4.975    | ug/L   | 94       |
| 13) Acetone                   | 2.150  | 43    | 151687   | 54.807   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.236  | 76    | 229036   | 4.957    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.384  | 43    | 29368    | 4.624    | ug/L   | 96       |
| 16) Methylene chloride        | 2.442  | 84    | 107400   | 4.592    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.703  | 73    | 198295   | 5.173    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96    | 87113    | 5.052    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.108  | 63    | 175316   | 5.103    | ug/L   | 98       |
| 21) 2-Butanone                | 3.892  | 43    | 196654   | 52.799   | ug/L   | 88       |
| 22) cis-1,2-Dichloroethene    | 3.809  | 96    | 94310    | 5.194    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.146  | 128   | 44004    | 4.986    | ug/L   | 93       |
| 25) Chloroform                | 4.268  | 83    | 182029   | 5.066    | ug/L   | 99       |

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 Acq On : 15 May 2024 14:58  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

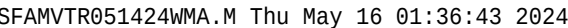
Instrument :  
 MSVOA\_V  
 ClientSampleId :

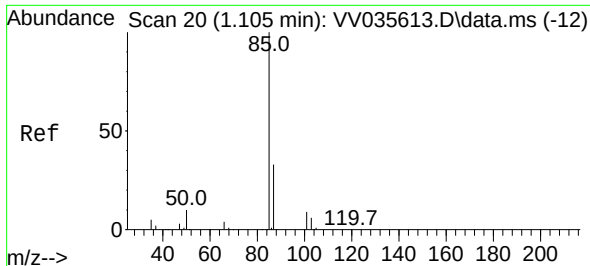
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR051424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 16 01:35:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 102453   | 5.138  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.506  | 97   | 152149   | 5.178  | ug/L  | 98       |
| 30) Cyclohexane               | 4.574  | 56   | 112323   | 5.291  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 131750   | 5.152  | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 359766   | 5.390  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 100182   | 5.234  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.047  | 83   | 129021   | 5.210  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 98760    | 5.518  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 125115   | 5.179  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 129610   | 5.422  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 473332   | 55.654 | ug/L  | 100      |
| 42) Toluene                   | 7.310  | 91   | 384390   | 5.525  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 111179   | 5.517  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 72289    | 5.157  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.902  | 164  | 77596    | 5.138  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.072  | 43   | 360365   | 57.624 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 80457    | 5.191  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 66025    | 5.066  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.812  | 112  | 250699   | 5.187  | ug/L  | 97       |
| 52) Ethylbenzene              | 8.944  | 91   | 393727   | 5.421  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 150798   | 5.450  | ug/L  | 99       |
| 54) o-Xylene                  | 9.474  | 106  | 142239   | 5.431  | ug/L  | 95       |
| 55) Styrene                   | 9.493  | 104  | 259895   | 5.697  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 70506    | 4.705  | ug/L  | 97       |
| 59) Bromoform                 | 9.664  | 173  | 45125    | 4.904  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.863  | 105  | 394269   | 5.436  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 59532    | 4.992  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 301486   | 5.284  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 309382   | 5.479  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 210379   | 5.388  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 209565   | 5.217  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 191914   | 5.146  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 12693    | 4.994  | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 157287   | 5.325  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 125060   | 5.336  | ug/L  | 99       |
| 71) Naphthalene               | 13.439 | 128  | 168260   | 4.994  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 115566   | 5.332  | ug/L  | 99       |

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

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QLast Update : Thu May 16 01:35:17 2024  
Response via : Initial Calibration

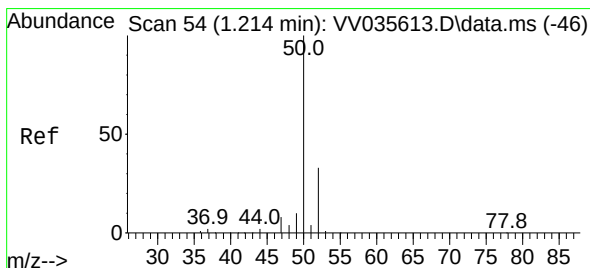
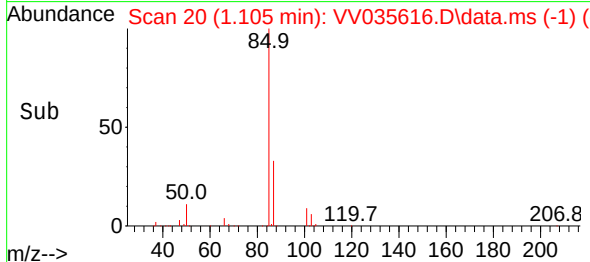
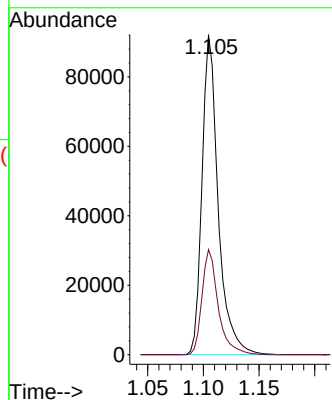
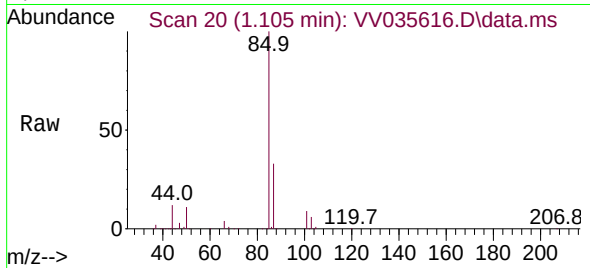




#2  
 Dichlorodifluoromethane  
 Concen: 4.909 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV035616.D  
 Acq: 15 May 2024 14:58

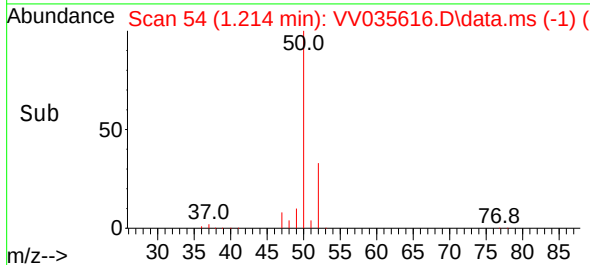
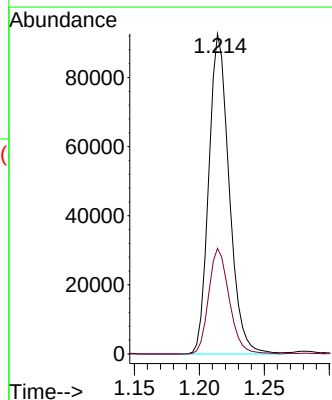
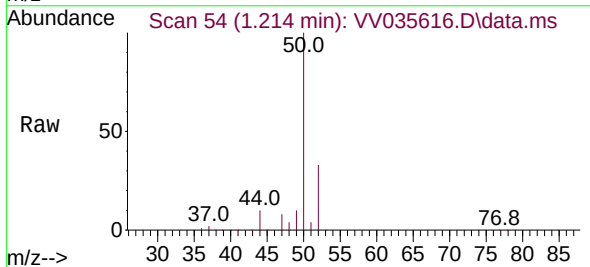
Instrument :  
 MSVOA\_V  
 ClientSampleId :

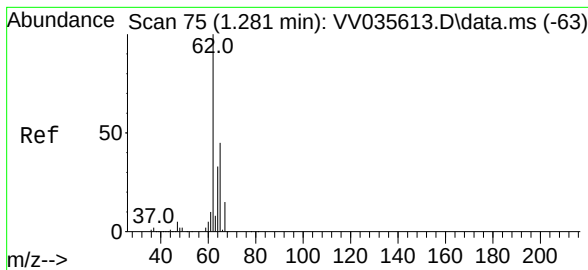
Tgt Ion: 85 Resp: 92759  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 26.4 39.6



#3  
 Chloromethane  
 Concen: 4.748 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. 0.000 min  
 Lab File: VV035616.D  
 Acq: 15 May 2024 14:58

Tgt Ion: 50 Resp: 101236  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 23.7 43.9

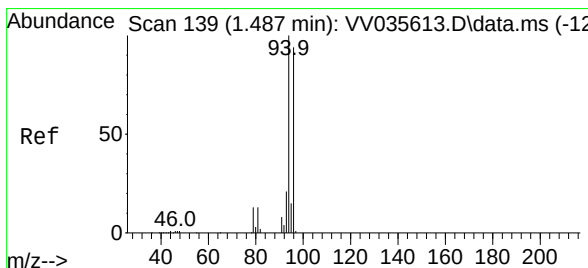
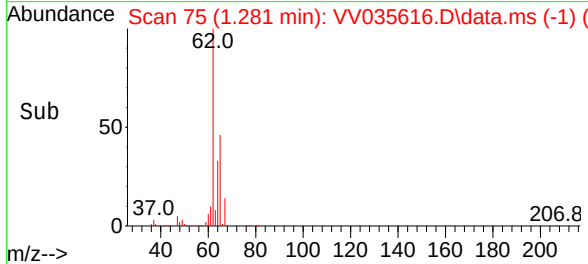
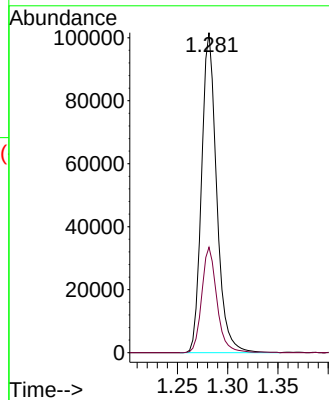
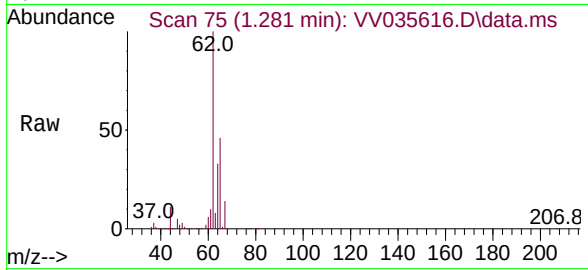




#5  
 Vinyl chloride  
 Concen: 4.957 ug/L  
 RT: 1.281 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VV035616.D  
 Acq: 15 May 2024 14:58

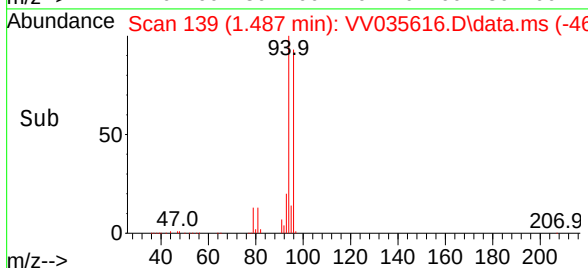
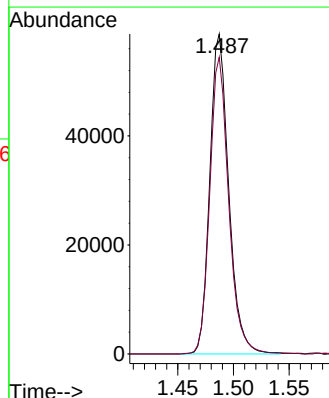
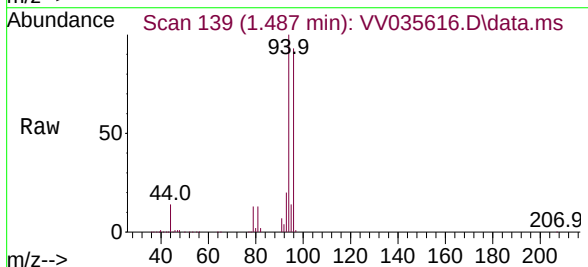
Instrument :  
 MSVOA\_V  
 ClientSampleId :

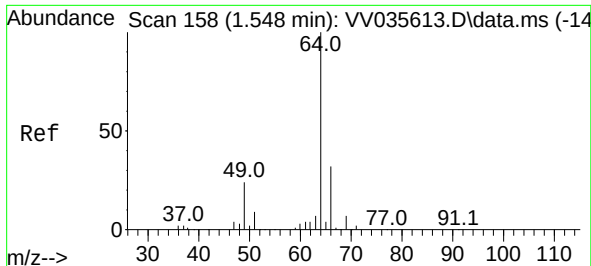
Tgt Ion: 62 Resp: 106141  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 22.9 42.5



#6  
 Bromomethane  
 Concen: 4.799 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. 0.000 min  
 Lab File: VV035616.D  
 Acq: 15 May 2024 14:58

Tgt Ion: 94 Resp: 69391  
 Ion Ratio Lower Upper  
 94 100  
 96 92.8 66.4 123.4

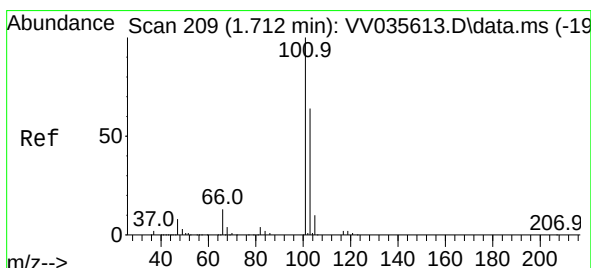
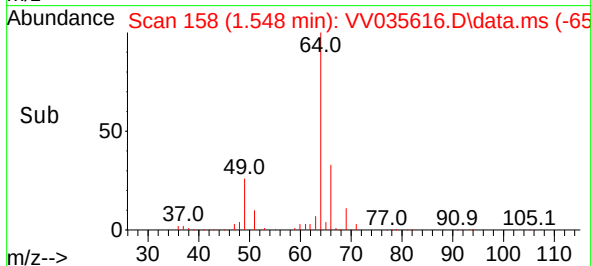
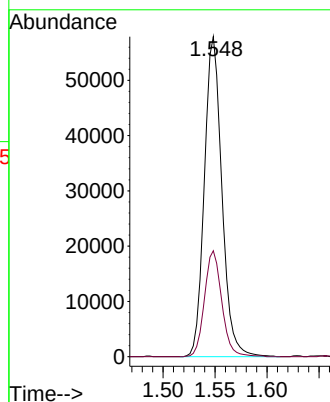
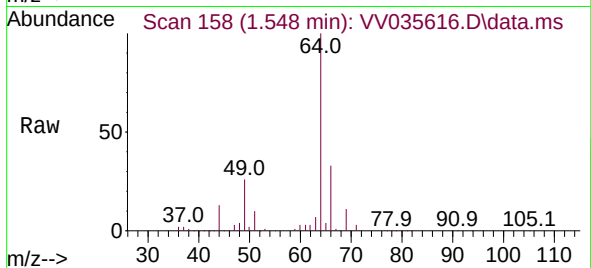




#8  
Chloroethane  
Concen: 4.902 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

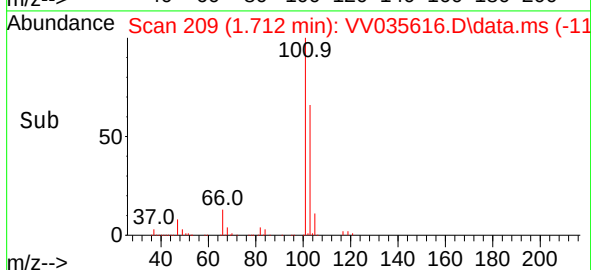
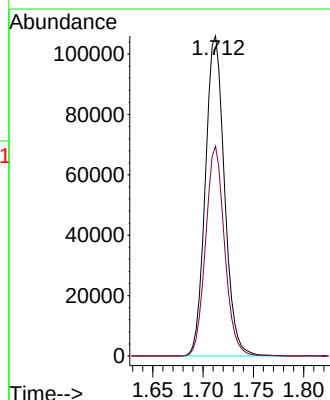
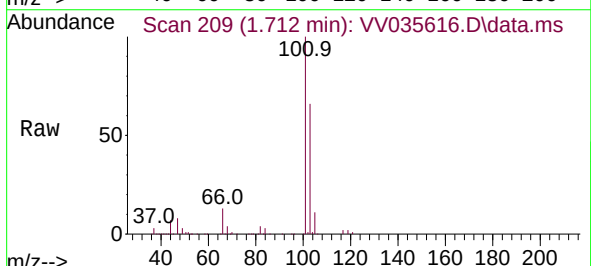
Instrument :  
MSVOA\_V  
ClientSampleId :

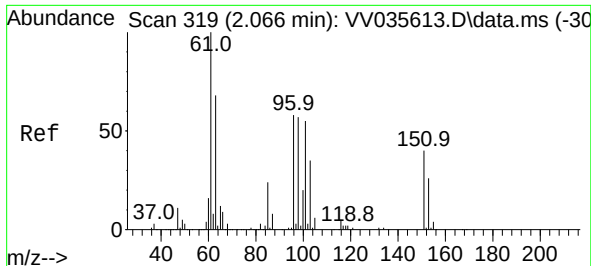
Tgt Ion: 64 Resp: 67886  
Ion Ratio Lower Upper  
64 100  
66 33.1 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 5.064 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Tgt Ion:101 Resp: 140094  
Ion Ratio Lower Upper  
101 100  
103 65.1 52.8 79.2

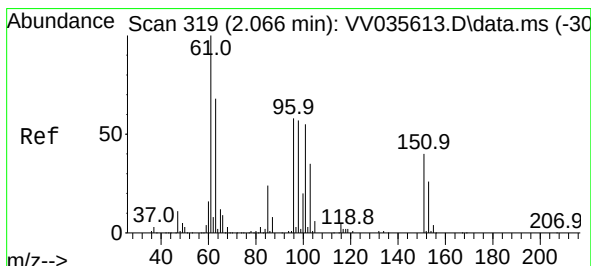
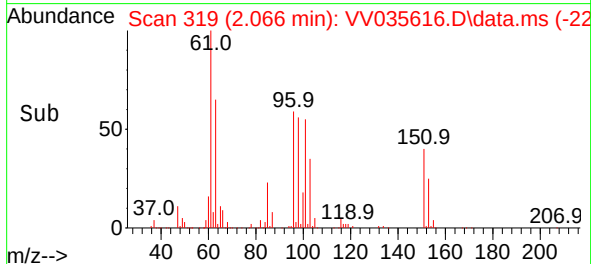
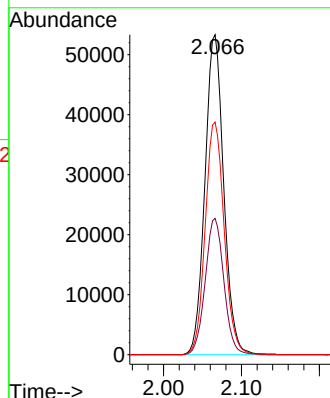
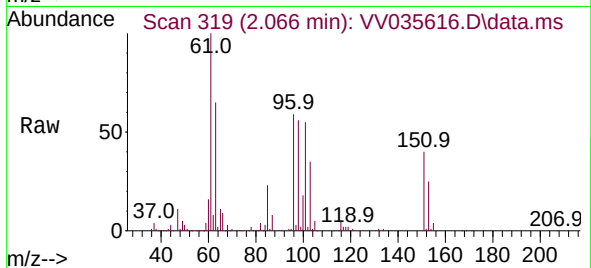




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.147 ug/L  
 RT: 2.066 min Scan# 319  
 Delta R.T. 0.000 min  
 Lab File: VV035616.D  
 Acq: 15 May 2024 14:58

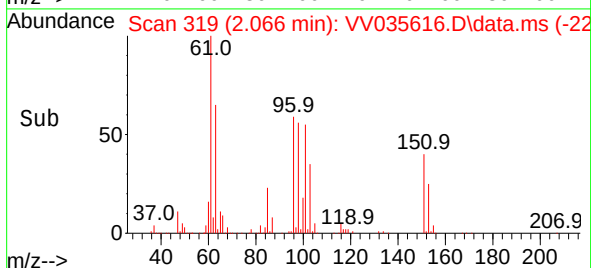
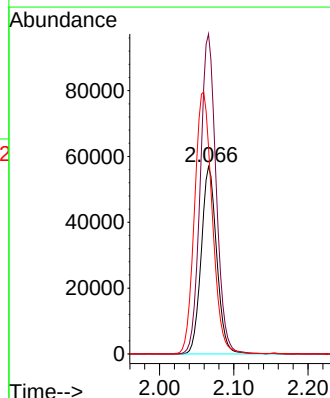
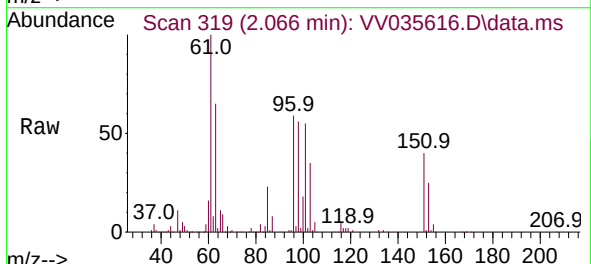
Instrument :  
 MSVOA\_V  
 ClientSampleId :

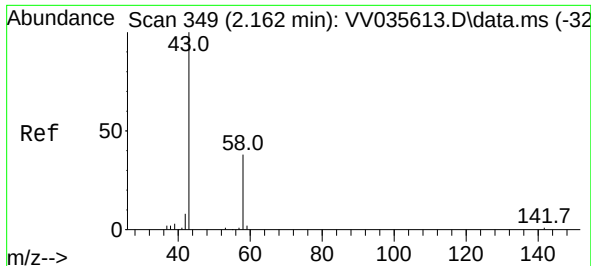
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 Ion Ratio Lower Upper  
 101 100  
 85 42.4 34.6 51.8  
 151 73.6 59.3 88.9



#12  
 1,1-Dichloroethene  
 Concen: 4.975 ug/L  
 RT: 2.066 min Scan# 319  
 Delta R.T. 0.000 min  
 Lab File: VV035616.D  
 Acq: 15 May 2024 14:58

Tgt Ion: 96 Resp: 82621  
 Ion Ratio Lower Upper  
 96 100  
 61 170.9 122.8 228.1  
 63 110.6 85.1 158.1





#13

Acetone

Concen: 54.807 ug/L

RT: 2.150 min Scan# 349

Delta R.T. -0.013 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

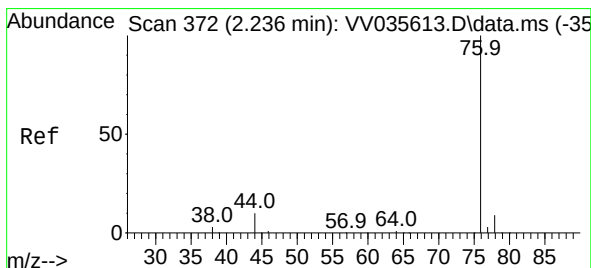
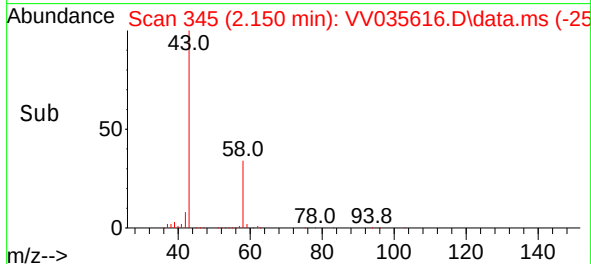
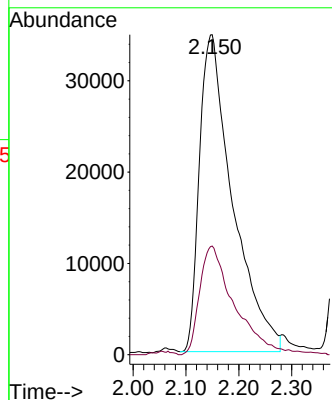
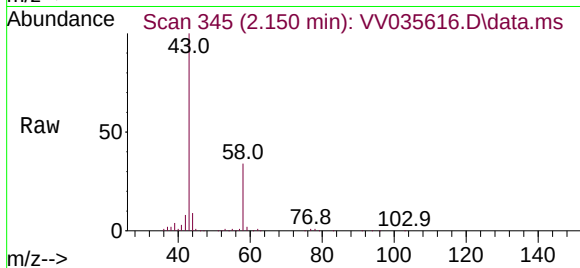
ClientSampleId :

Tgt Ion: 43 Resp: 151687

Ion Ratio Lower Upper

43 100

58 35.4 0.0 69.2



#14

Carbon disulfide

Concen: 4.957 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV035616.D

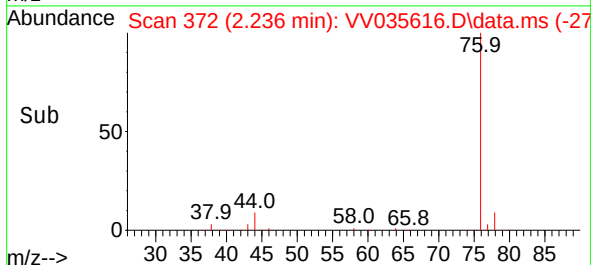
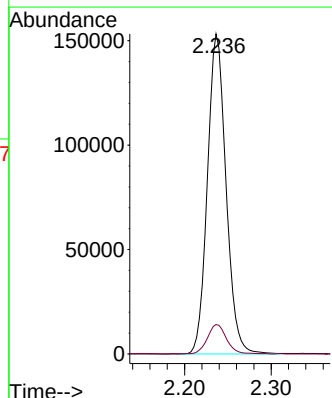
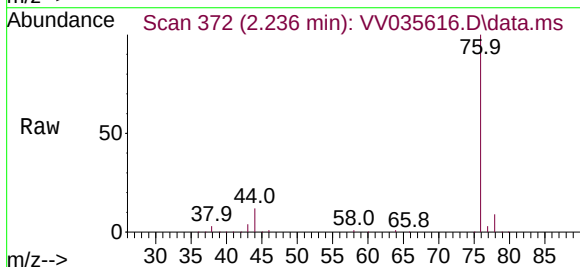
Acq: 15 May 2024 14:58

Tgt Ion: 76 Resp: 229036

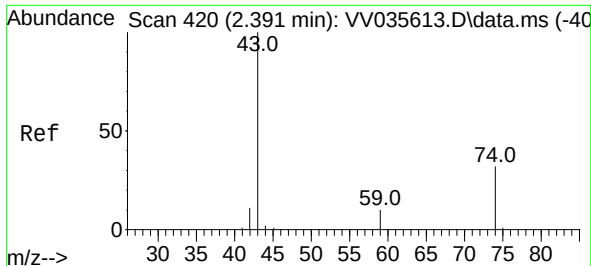
Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9







#15

Methyl Acetate

Concen: 4.624 ug/L

RT: 2.384 min Scan# 418

Delta R.T. -0.006 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

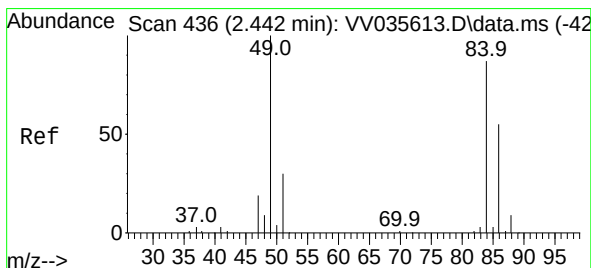
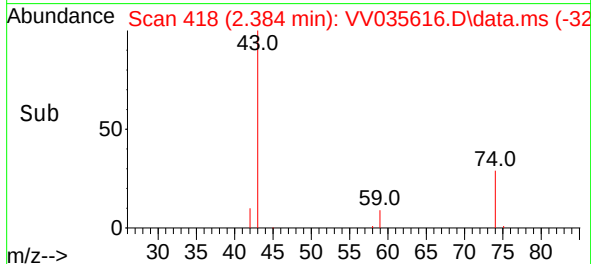
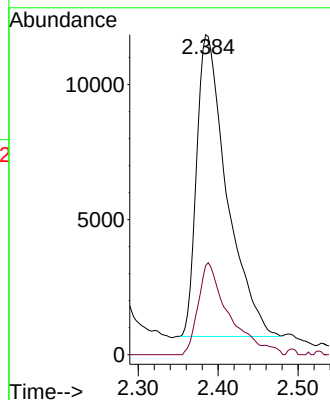
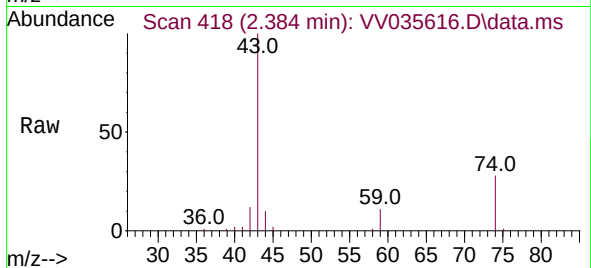
ClientSampleId :

Tgt Ion: 43 Resp: 29368

Ion Ratio Lower Upper

43 100

74 30.9 23.2 34.8



#16

Methylene chloride

Concen: 4.592 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

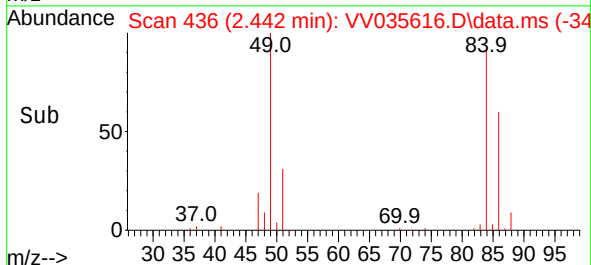
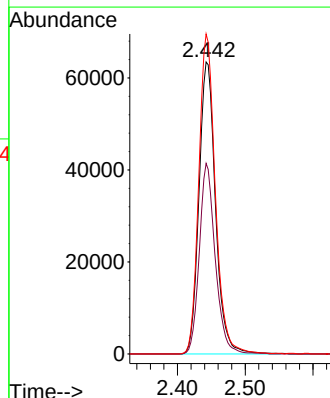
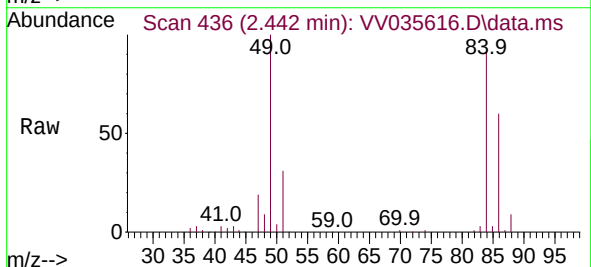
Tgt Ion: 84 Resp: 107400

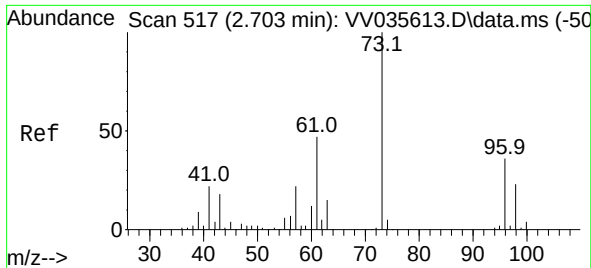
Ion Ratio Lower Upper

84 100

86 65.3 44.9 83.5

49 109.6 75.8 140.8





#17

Methyl tert-butyl Ether

Concen: 5.173 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

ClientSampleId :

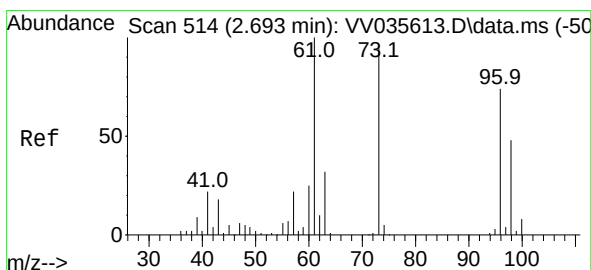
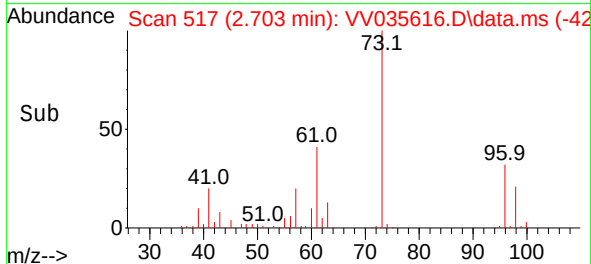
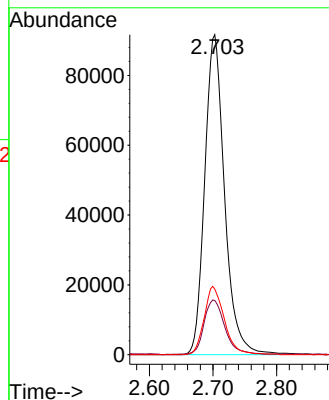
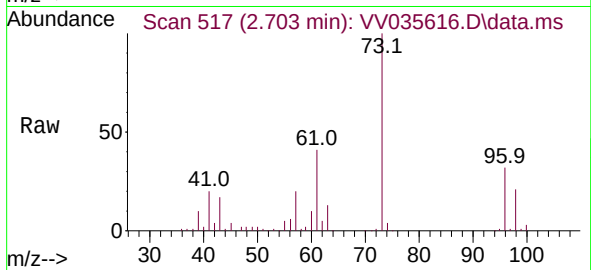
Tgt Ion: 73 Resp: 198295

Ion Ratio Lower Upper

73 100

43 17.7 13.8 20.8

57 21.6 17.7 26.5



#18

trans-1,2-Dichloroethene

Concen: 5.052 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.003 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

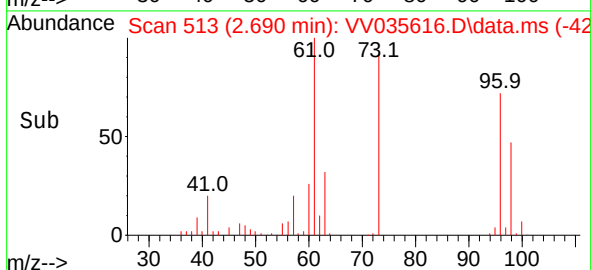
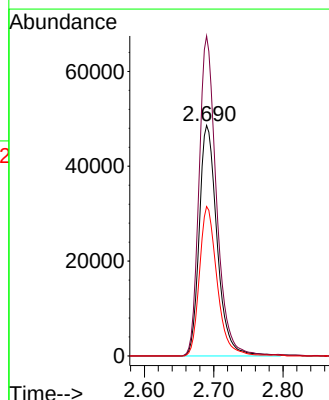
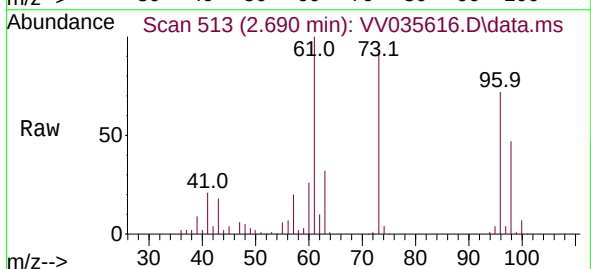
Tgt Ion: 96 Resp: 87113

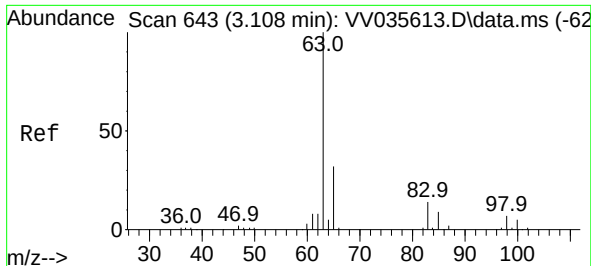
Ion Ratio Lower Upper

96 100

61 138.8 91.1 169.3

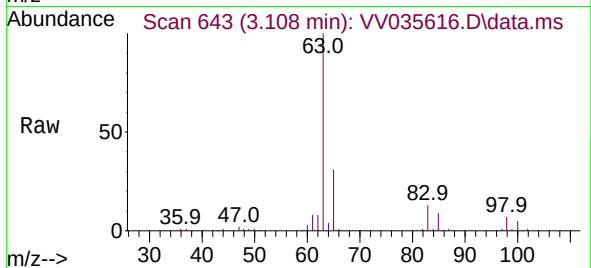
98 64.8 44.7 83.1



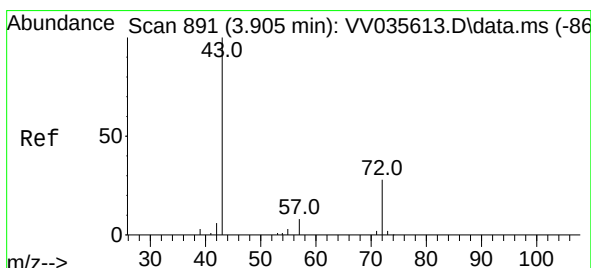
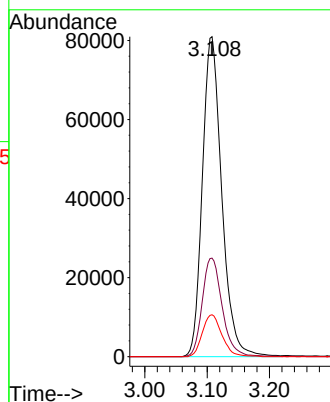
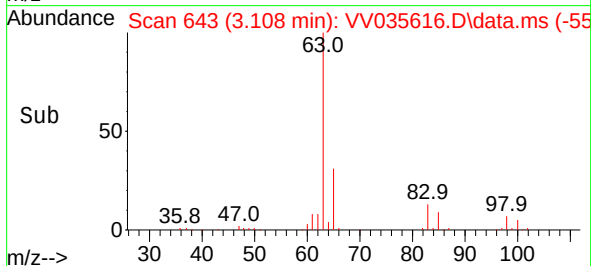


#19  
1,1-Dichloroethane  
Concen: 5.103 ug/L  
RT: 3.108 min Scan# 643  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Instrument :  
MSVOA\_V  
ClientSampleId :

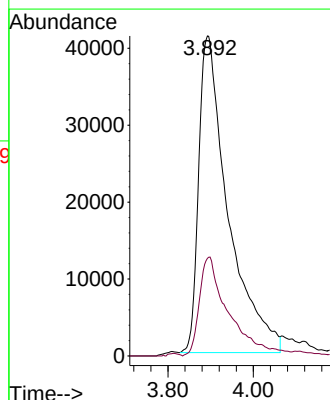
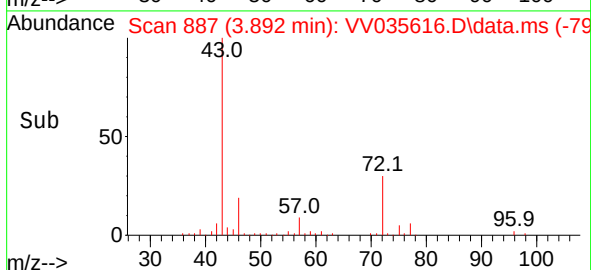
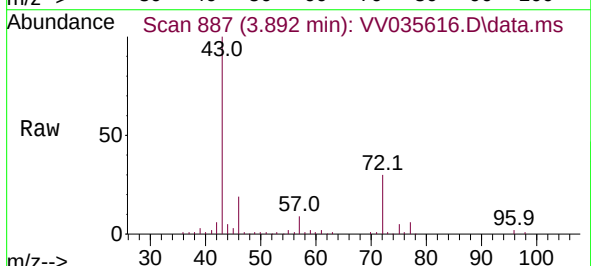


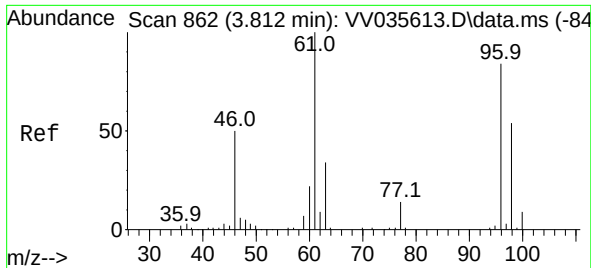
Tgt Ion: 63 Resp: 175316  
Ion Ratio Lower Upper  
63 100  
65 30.8 22.5 41.9  
83 13.1 9.2 17.0



#21  
2-Butanone  
Concen: 52.799 ug/L  
RT: 3.892 min Scan# 887  
Delta R.T. -0.013 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

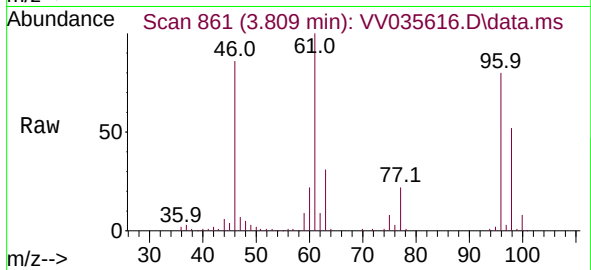
Tgt Ion: 43 Resp: 196654  
Ion Ratio Lower Upper  
43 100  
72 30.1 12.0 36.1



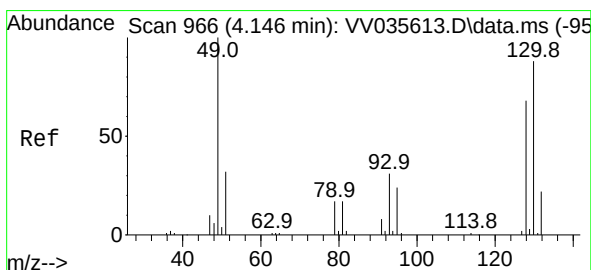
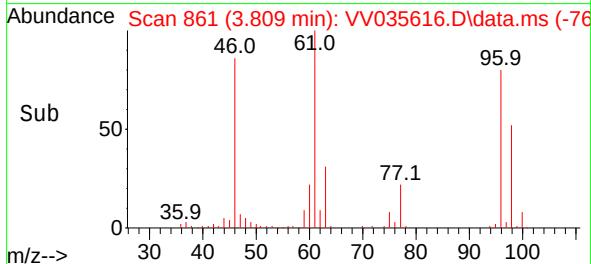
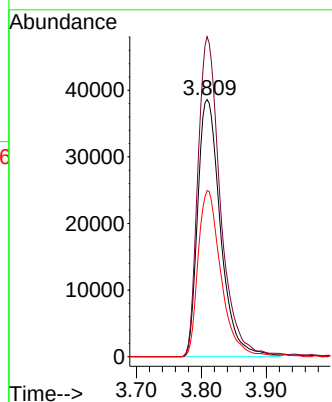


#22  
cis-1,2-Dichloroethene  
Concen: 5.194 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. -0.003 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Instrument :  
MSVOA\_V  
ClientSampleId :

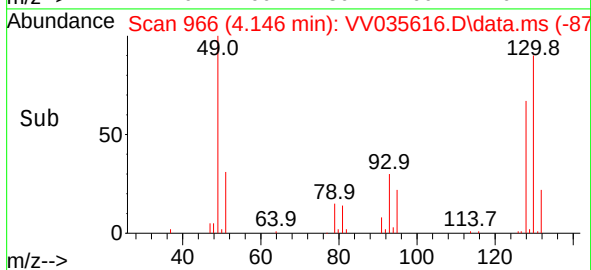
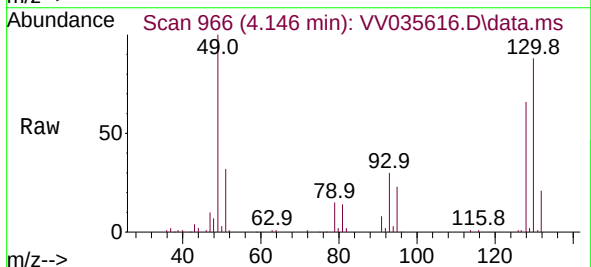
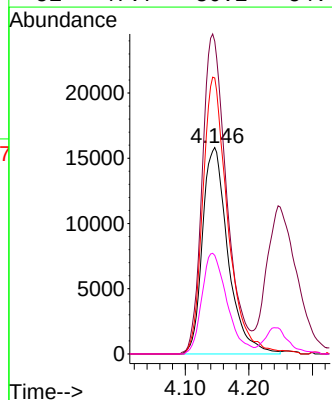


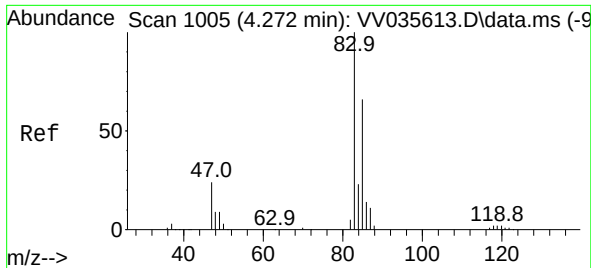
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 94310 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 124.4    | 84.3 156.5  |
| 98 64.6     | 45.6 84.6   |



#23  
Bromochloromethane  
Concen: 4.986 ug/L  
RT: 4.146 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:128 | Resp: | 44004 |
| Ion | Ratio   | Lower | Upper |
| 128 | 100     |       |       |
| 49  | 151.5   | 98.6  | 183.0 |
| 130 | 133.7   | 87.6  | 162.8 |
| 51  | 47.7    | 36.2  | 54.4  |





#25

Chloroform

Concen: 5.066 ug/L

RT: 4.268 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

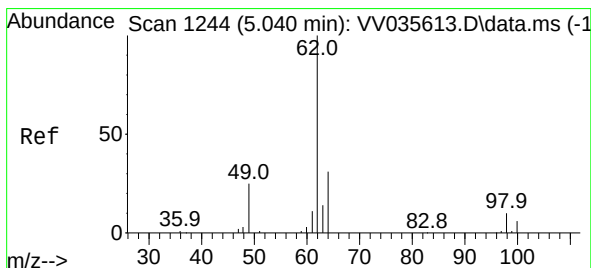
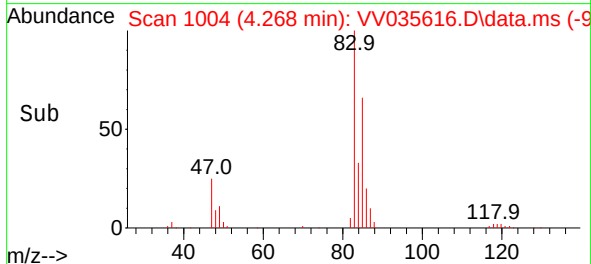
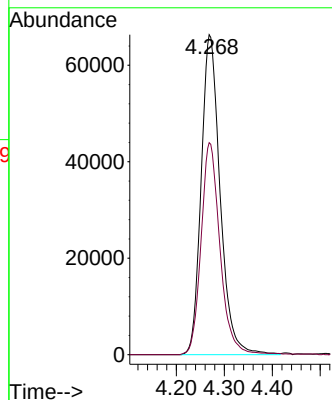
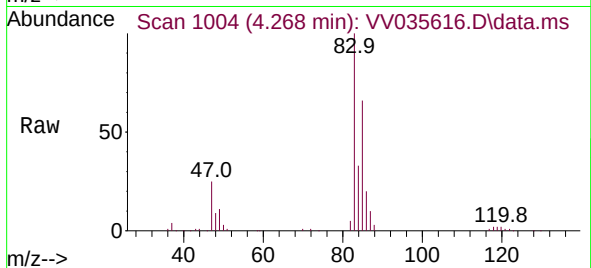
ClientSampleId :

Tgt Ion: 83 Resp: 182029

Ion Ratio Lower Upper

83 100

85 66.3 45.9 85.3



#27

1,2-Dichloroethane

Concen: 5.138 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV035616.D

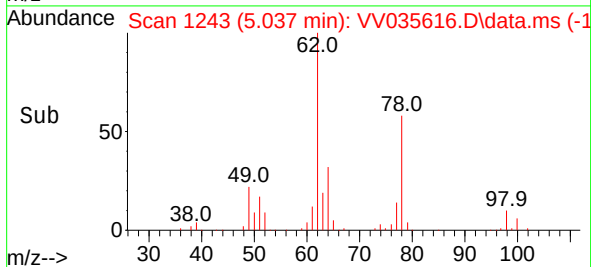
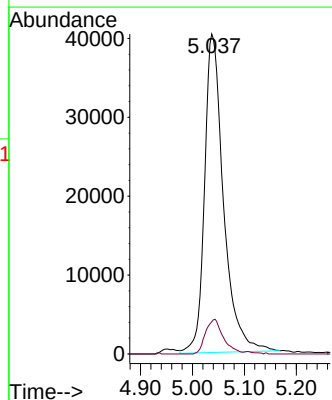
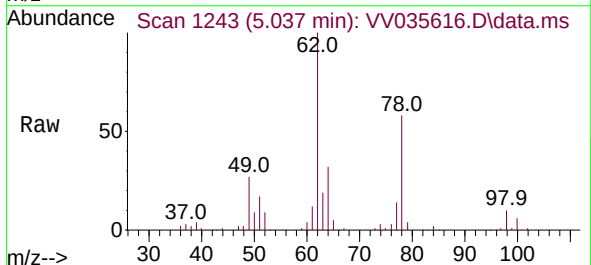
Acq: 15 May 2024 14:58

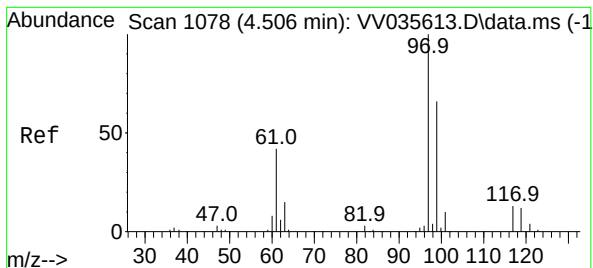
Tgt Ion: 62 Resp: 102453

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 5.178 ug/L

RT: 4.506 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

ClientSampleId :

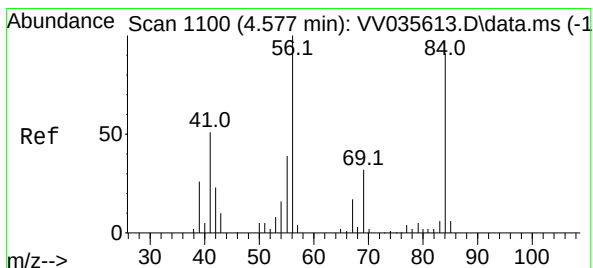
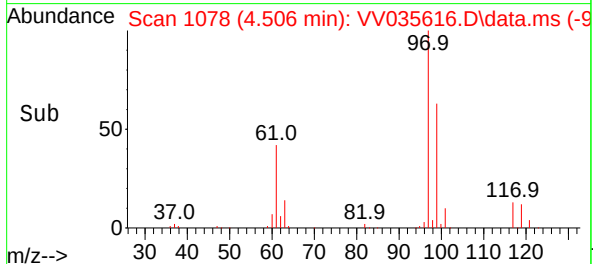
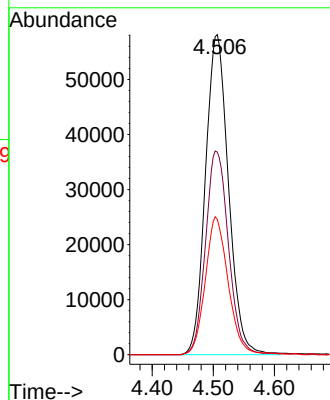
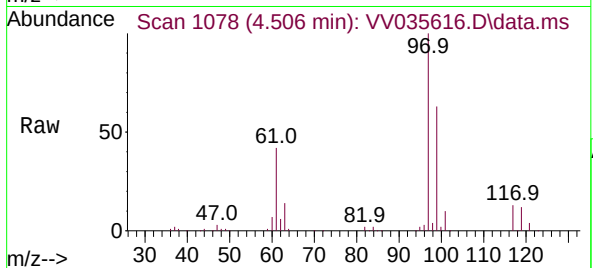
Tgt Ion: 97 Resp: 152149

Ion Ratio Lower Upper

97 100

99 63.5 52.4 78.6

61 42.9 33.9 50.9



#30

Cyclohexane

Concen: 5.291 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.003 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

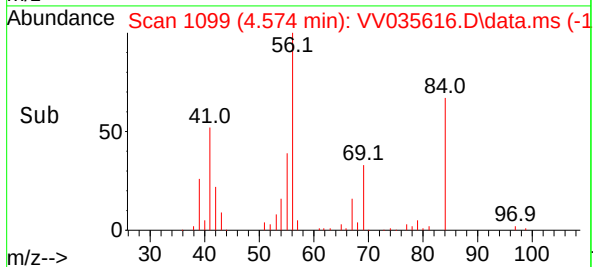
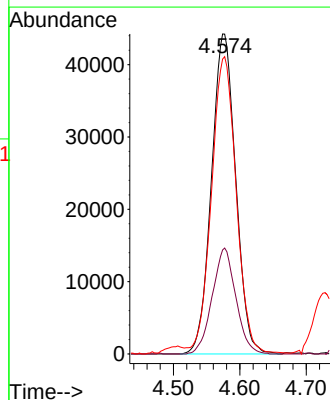
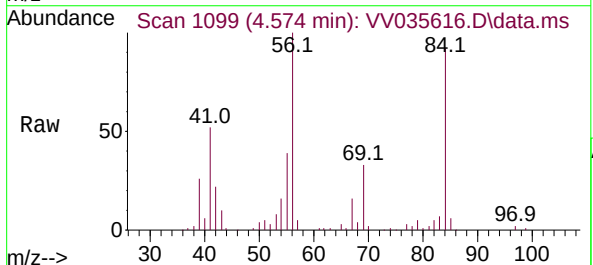
Tgt Ion: 56 Resp: 112323

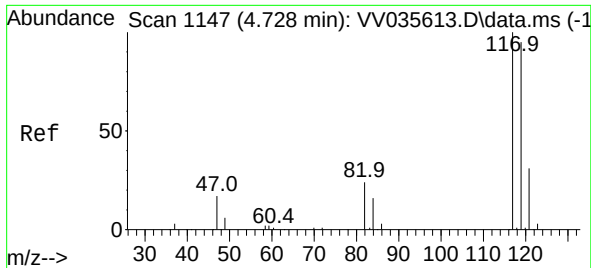
Ion Ratio Lower Upper

56 100

69 32.3 26.4 39.6

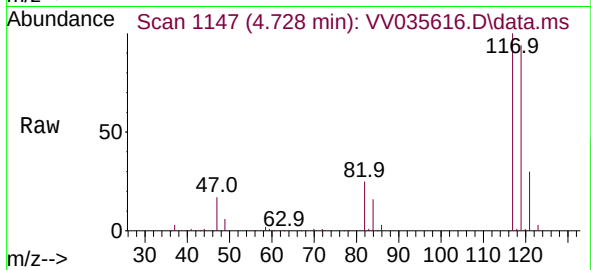
84 94.5 75.0 112.6



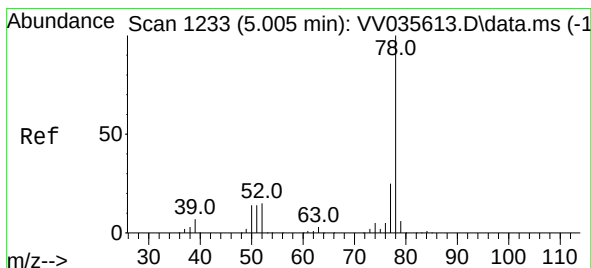
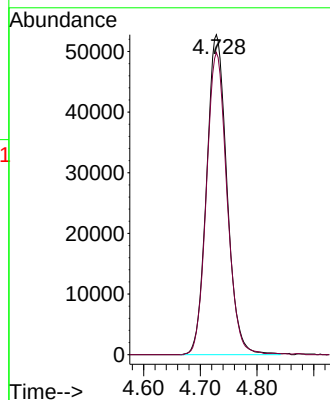
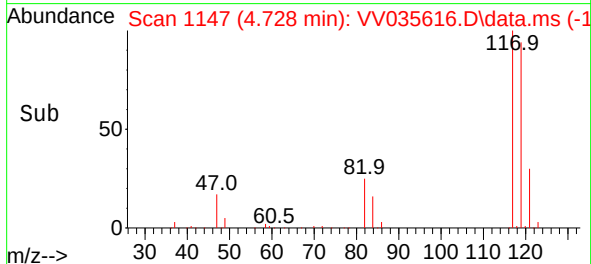


#31  
Carbon tetrachloride  
Concen: 5.152 ug/L  
RT: 4.728 min Scan# 1147  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Instrument :  
MSVOA\_V  
ClientSampleId :

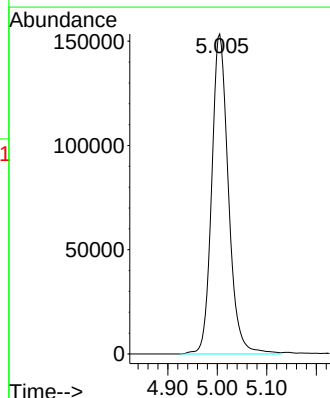
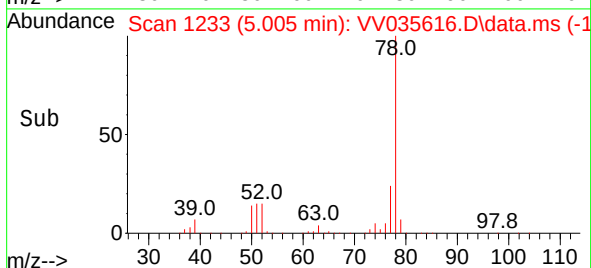
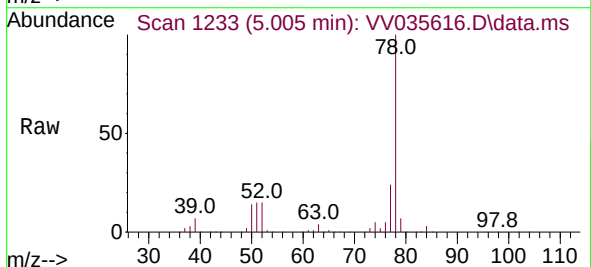


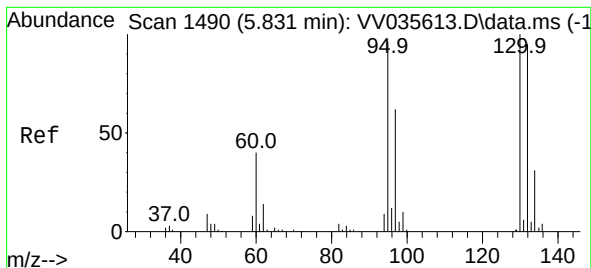
Tgt Ion:117 Resp: 131750  
Ion Ratio Lower Upper  
117 100  
119 95.1 77.2 115.8



#33  
Benzene  
Concen: 5.390 ug/L  
RT: 5.005 min Scan# 1233  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Tgt Ion: 78 Resp: 359766





#34

Trichloroethene

Concen: 5.234 ug/L

RT: 5.828 min Scan# 1490

Delta R.T. -0.003 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 100182

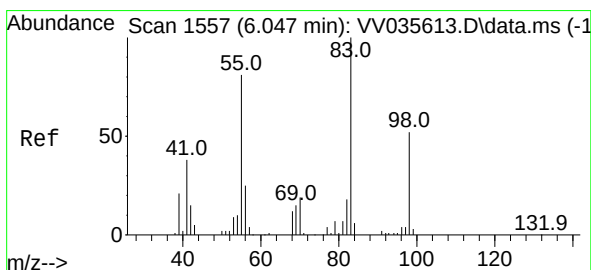
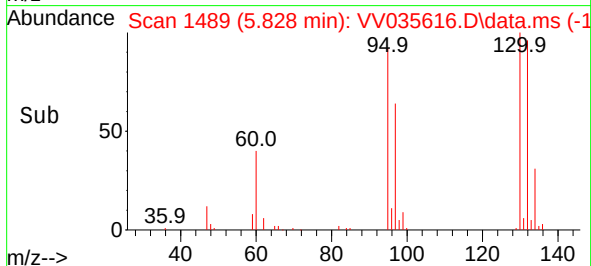
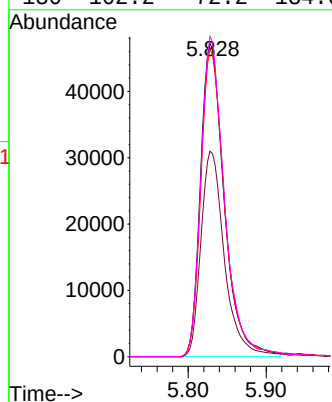
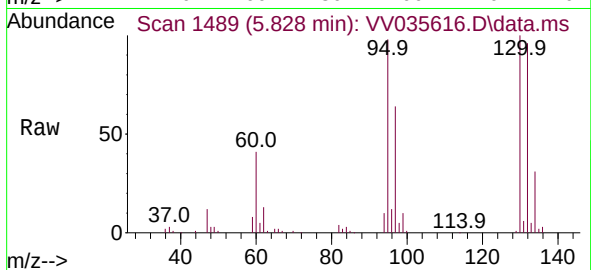
Ion Ratio Lower Upper

95 100

97 65.6 45.2 84.0

132 98.3 68.7 127.7

130 102.2 72.2 134.0



#35

Methylcyclohexane

Concen: 5.210 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

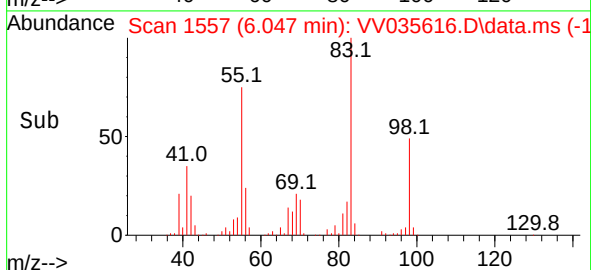
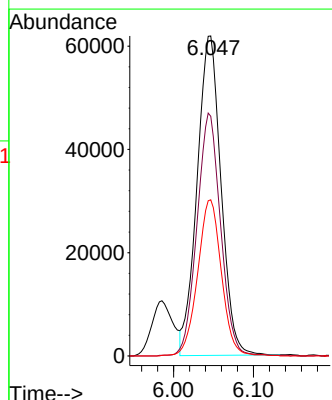
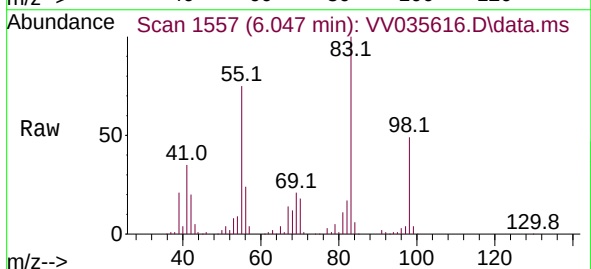
Tgt Ion: 83 Resp: 129021

Ion Ratio Lower Upper

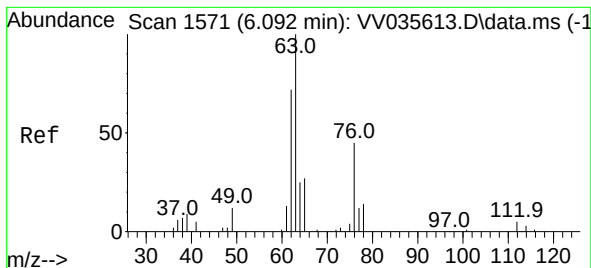
83 100

55 75.1 60.7 91.1

98 48.6 38.4 57.6







#37

1,2-Dichloropropane

Concen: 5.518 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

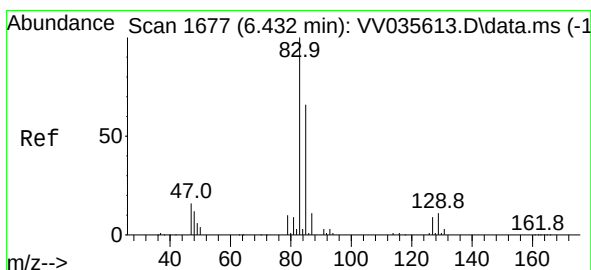
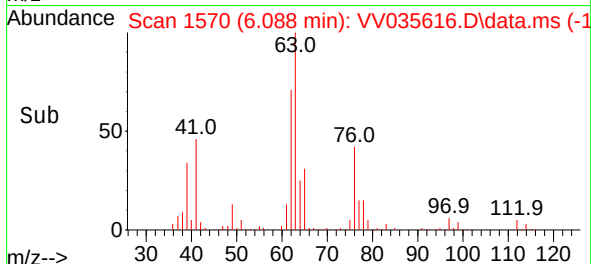
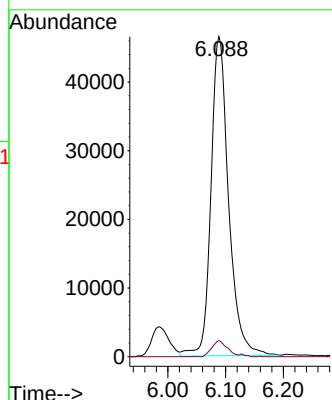
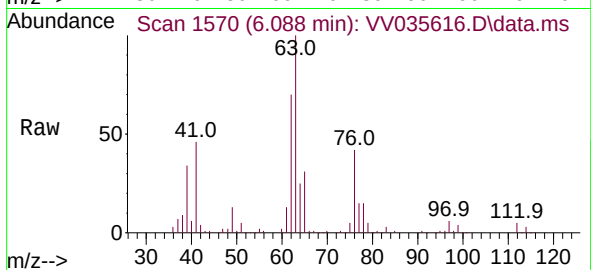
ClientSampleId :

Tgt Ion: 63 Resp: 98760

Ion Ratio Lower Upper

63 100

112 4.4 3.9 5.9



#38

Bromodichloromethane

Concen: 5.179 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

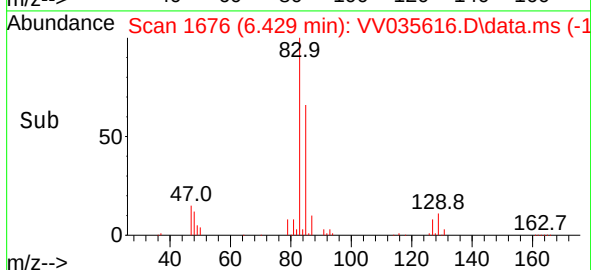
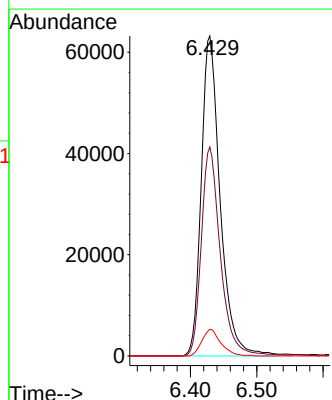
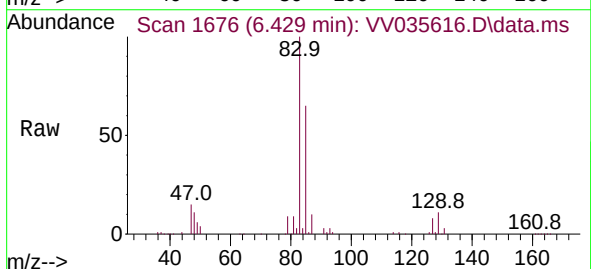
Tgt Ion: 83 Resp: 125115

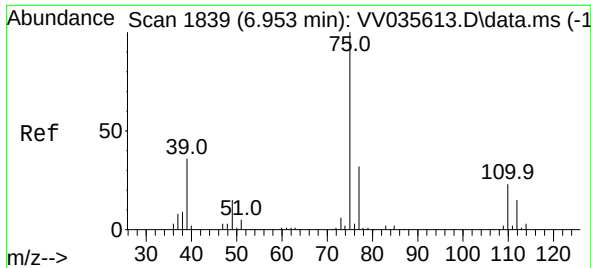
Ion Ratio Lower Upper

83 100

85 65.3 44.6 82.8

127 8.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.422 ug/L

RT: 6.950 min Scan# 1839

Delta R.T. -0.003 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

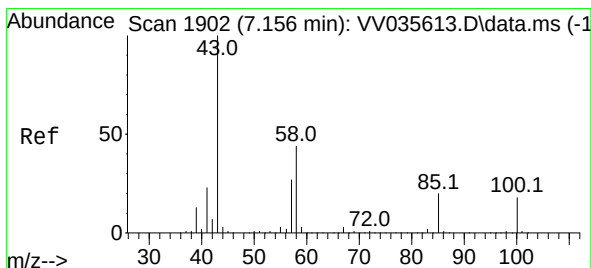
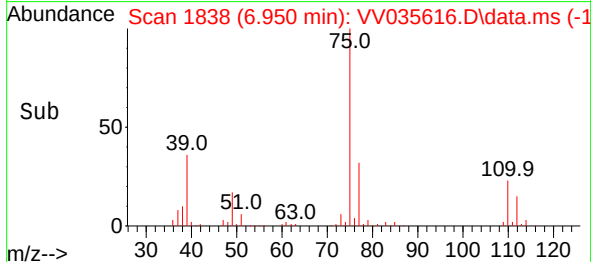
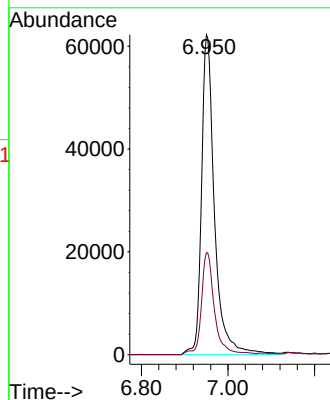
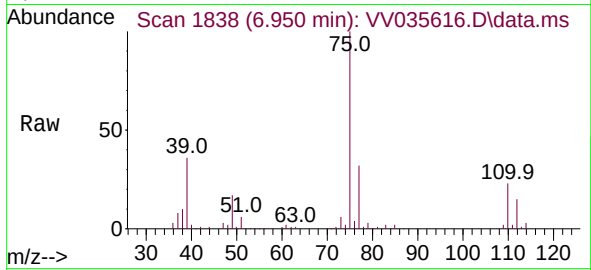
ClientSampleId :

Tgt Ion: 75 Resp: 129610

Ion Ratio Lower Upper

75 100

77 31.8 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 55.654 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

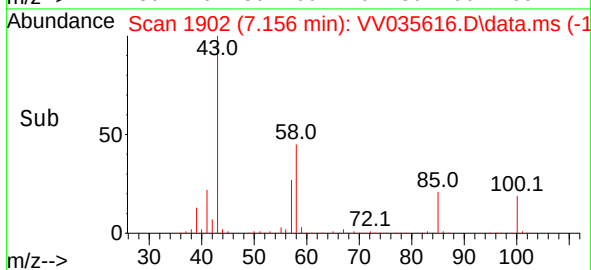
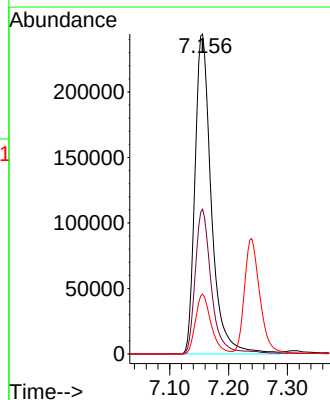
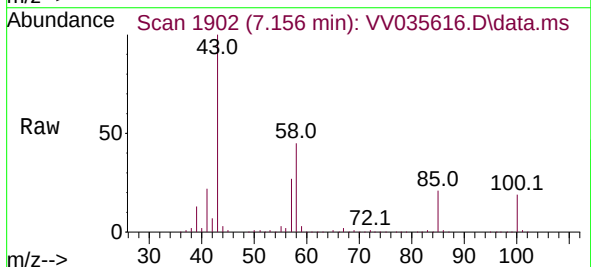
Tgt Ion: 43 Resp: 473332

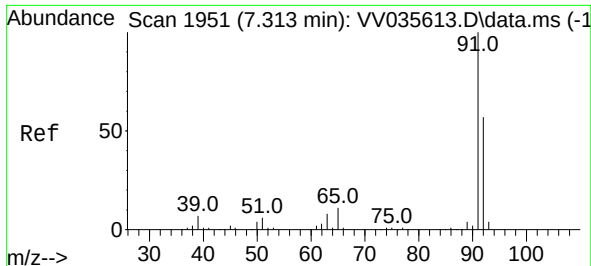
Ion Ratio Lower Upper

43 100

58 44.8 35.8 53.6

100 17.7 14.1 21.1





#42

Toluene

Concen: 5.525 ug/L

RT: 7.310 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

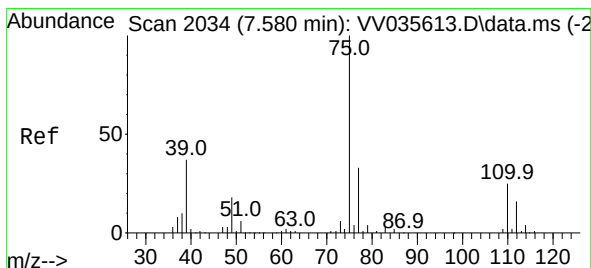
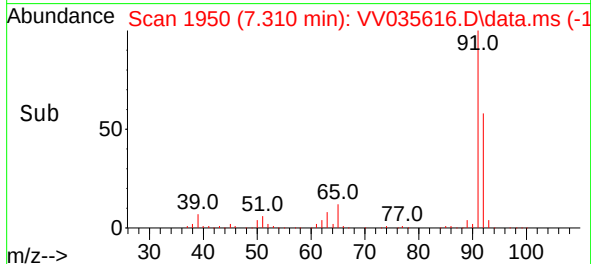
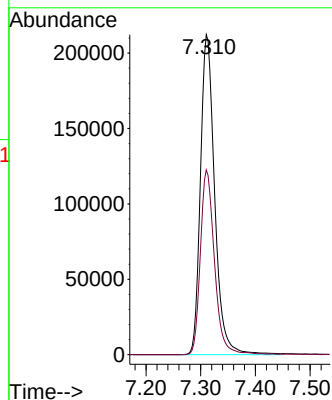
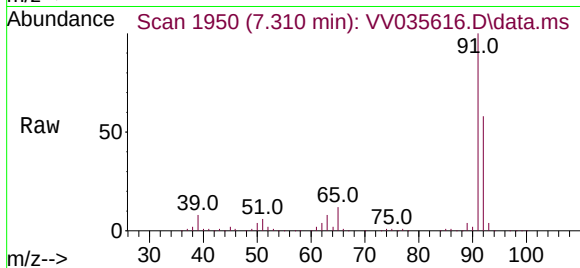
ClientSampleId :

Tgt Ion: 91 Resp: 384390

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.517 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV035616.D

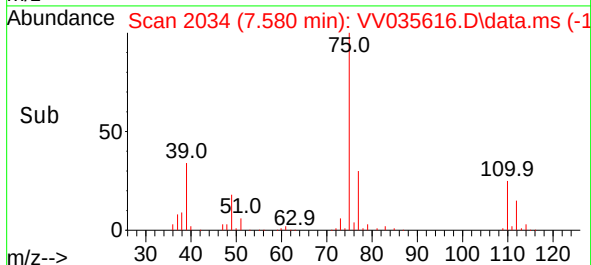
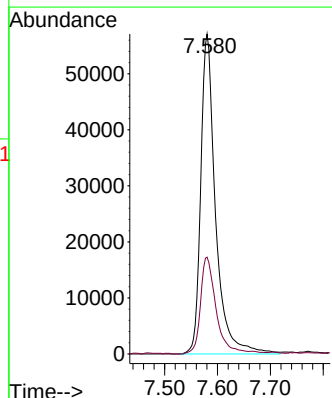
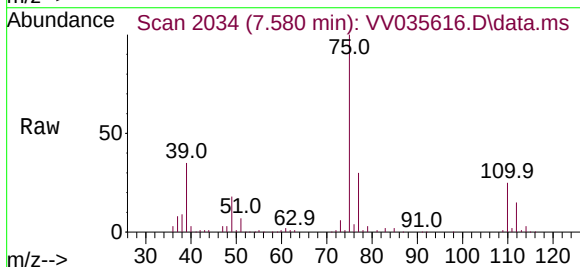
Acq: 15 May 2024 14:58

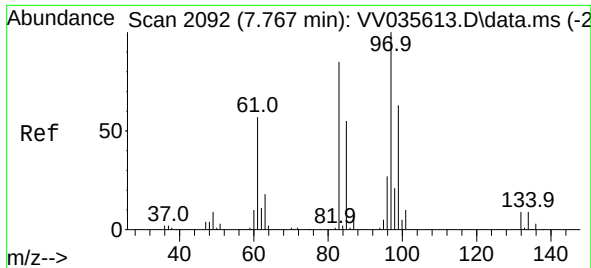
Tgt Ion: 75 Resp: 111179

Ion Ratio Lower Upper

75 100

77 30.2 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.157 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 72289

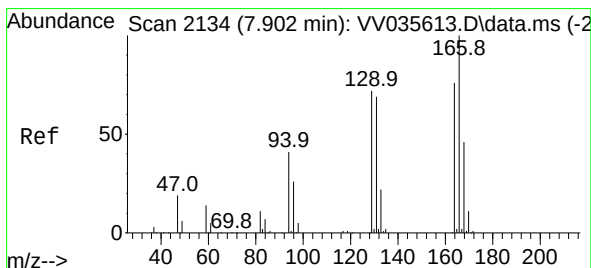
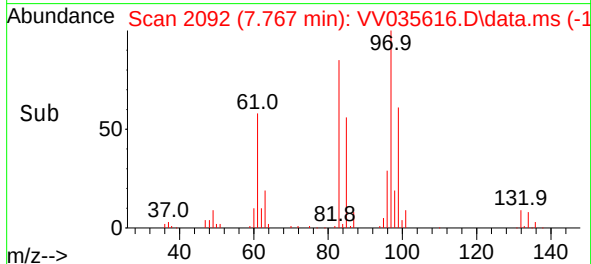
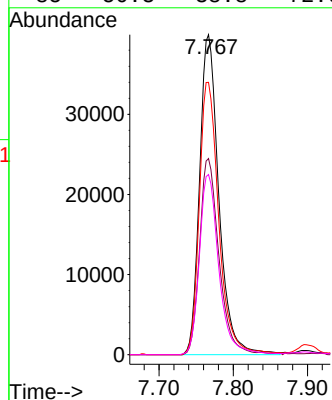
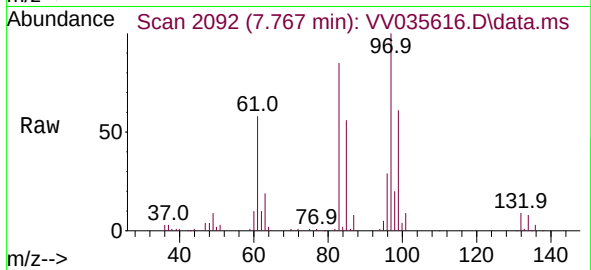
Ion Ratio Lower Upper

97 100

99 61.3 46.1 85.5

83 85.1 59.0 109.6

85 56.3 38.8 72.0



#47

Tetrachloroethene

Concen: 5.138 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Tgt Ion: 164 Resp: 77596

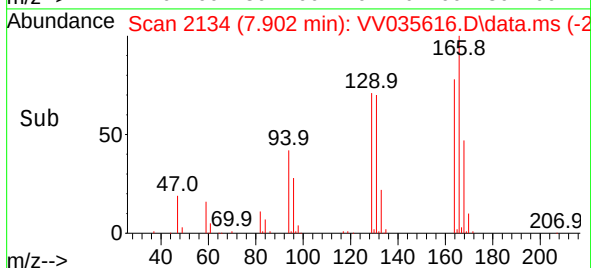
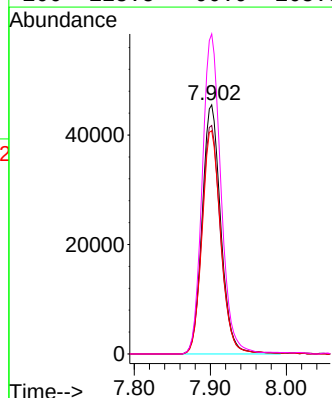
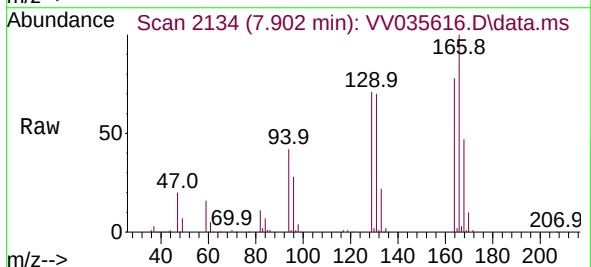
Ion Ratio Lower Upper

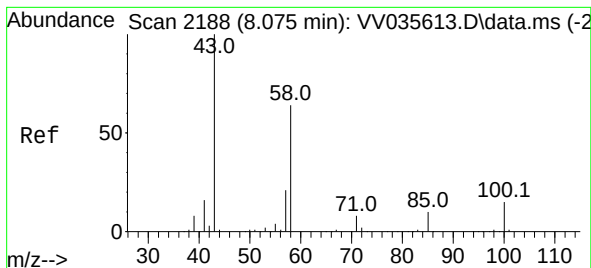
164 100

129 91.7 64.9 120.5

131 89.6 61.8 114.8

166 128.5 90.9 168.9





#48

2-Hexanone

Concen: 57.624 ug/L

RT: 8.072 min Scan# 2188

Delta R.T. -0.003 min

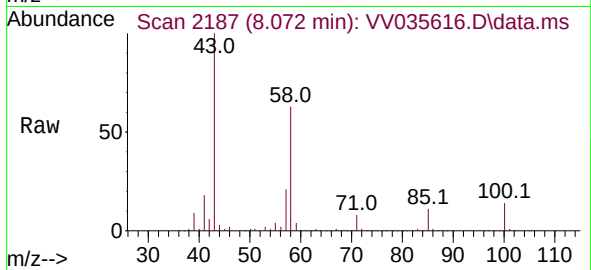
Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 43 Resp: 360365

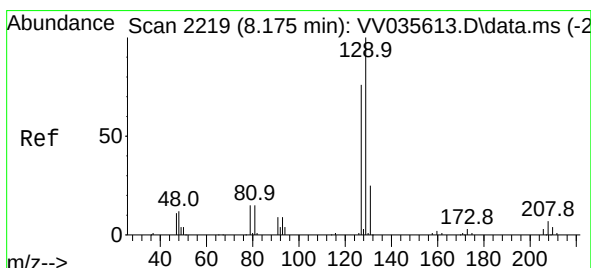
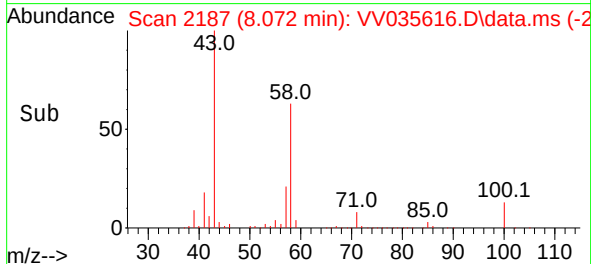
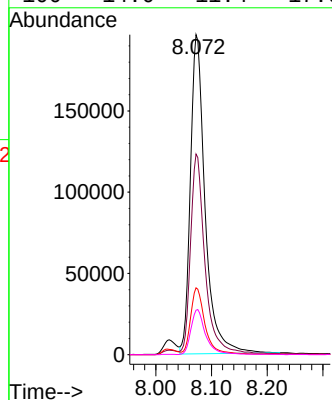
Ion Ratio Lower Upper

43 100

58 60.9 49.1 73.7

57 20.5 16.8 25.2

100 14.0 11.4 17.0



#49

Dibromochloromethane

Concen: 5.191 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.003 min

Lab File: VV035616.D

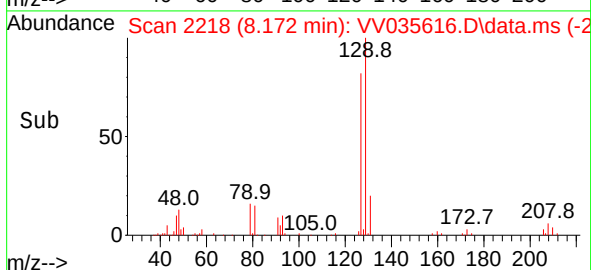
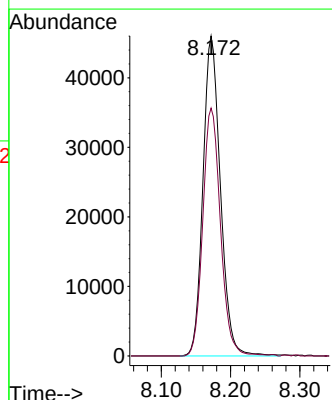
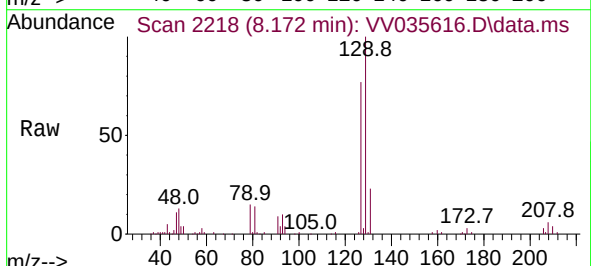
Acq: 15 May 2024 14:58

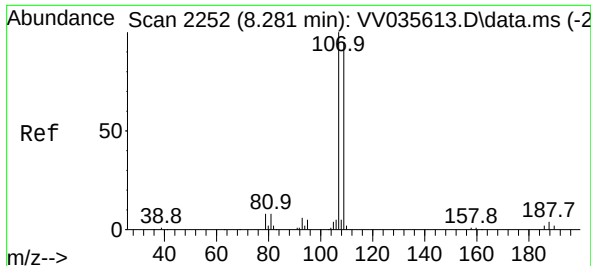
Tgt Ion: 129 Resp: 80457

Ion Ratio Lower Upper

129 100

127 77.5 54.3 100.8

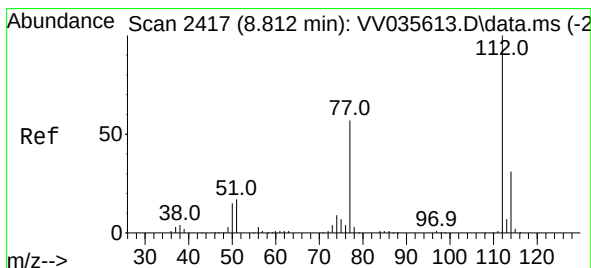
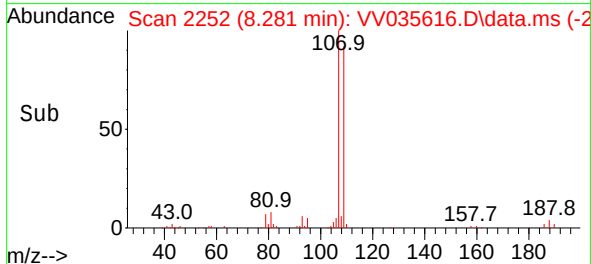
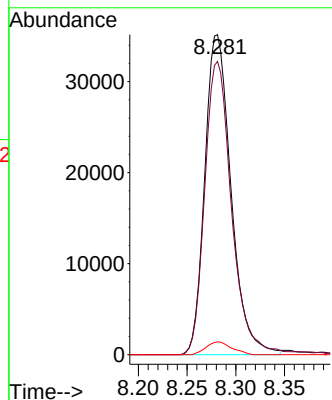
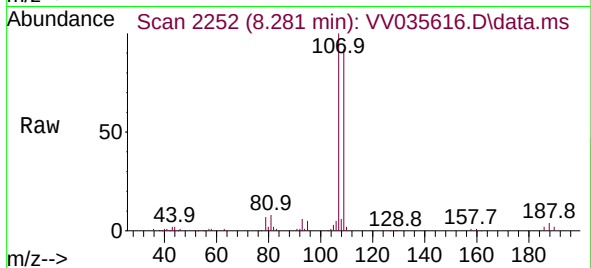




#50  
1,2-Dibromoethane  
Concen: 5.066 ug/L  
RT: 8.281 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

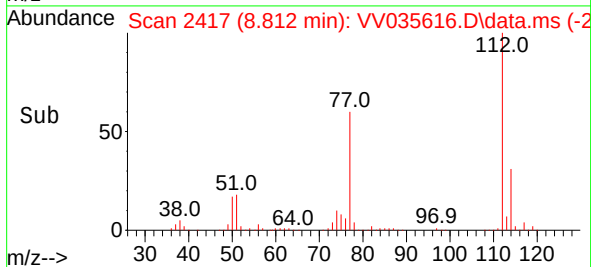
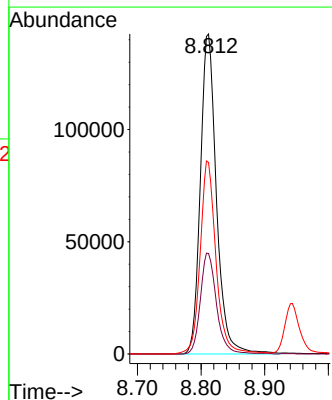
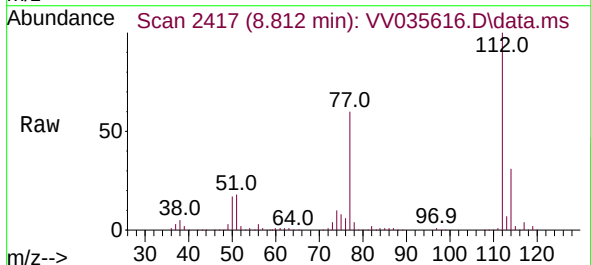
Instrument :  
MSVOA\_V  
ClientSampleId :

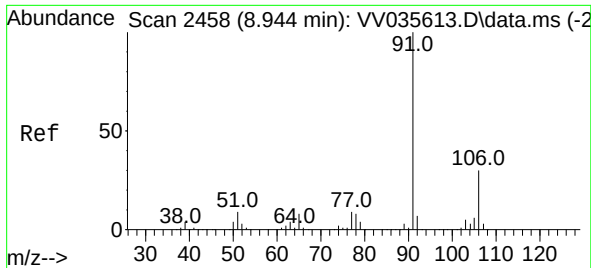
Tgt Ion:107 Resp: 66025  
Ion Ratio Lower Upper  
107 100  
109 91.7 65.2 121.0  
188 4.0 3.1 4.7



#51  
Chlorobenzene  
Concen: 5.187 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Tgt Ion:112 Resp: 250699  
Ion Ratio Lower Upper  
112 100  
114 31.4 22.2 41.2  
77 59.8 45.6 68.4





#52

Ethylbenzene

Concen: 5.421 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

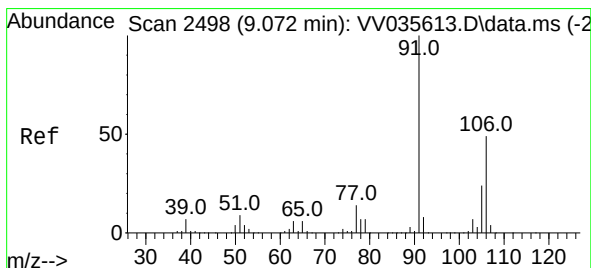
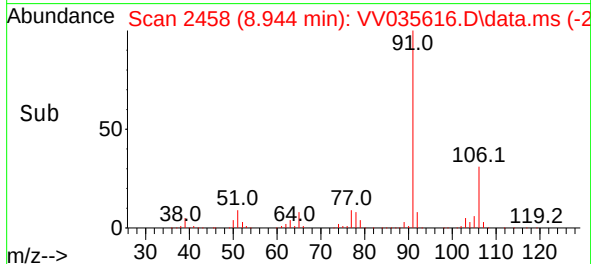
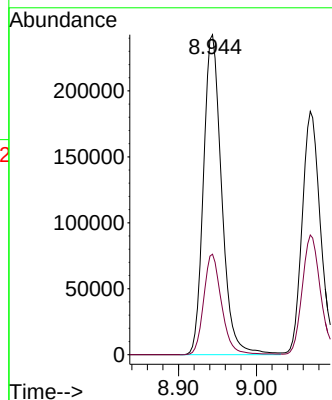
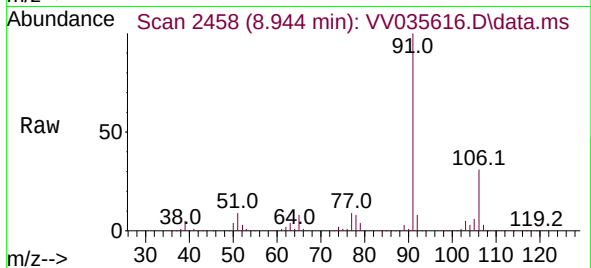
ClientSampleId :

Tgt Ion: 91 Resp: 393727

Ion Ratio Lower Upper

91 100

106 31.4 21.5 39.9



#53

m,p-Xylene

Concen: 5.450 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.003 min

Lab File: VV035616.D

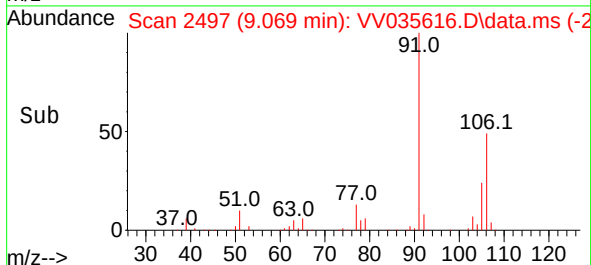
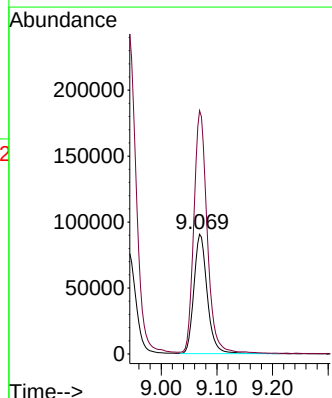
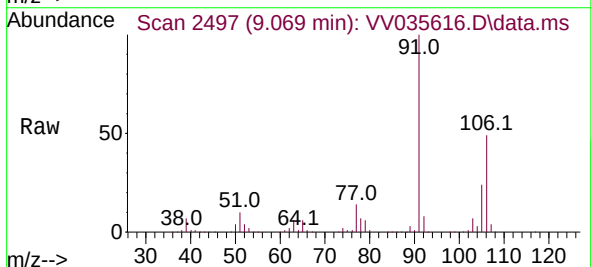
Acq: 15 May 2024 14:58

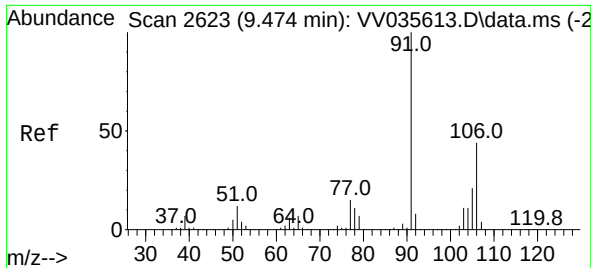
Tgt Ion:106 Resp: 150798

Ion Ratio Lower Upper

106 100

91 203.4 141.3 262.3

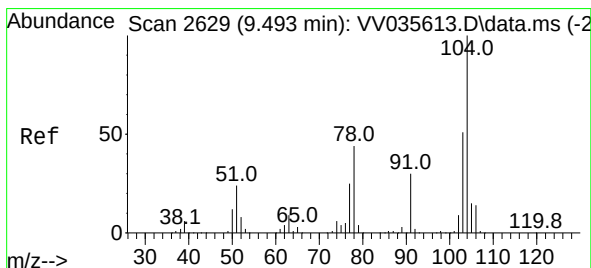
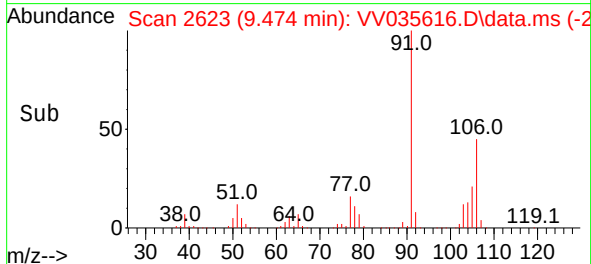
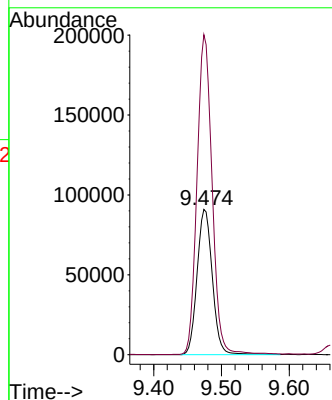
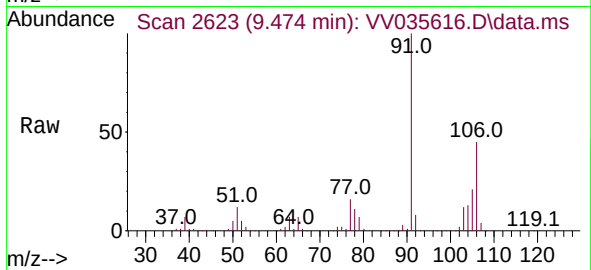




#54  
o-Xylene  
Concen: 5.431 ug/L  
RT: 9.474 min Scan# 2623  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

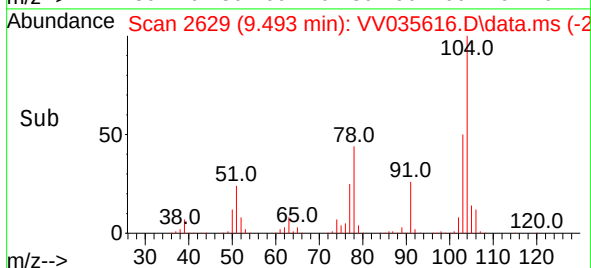
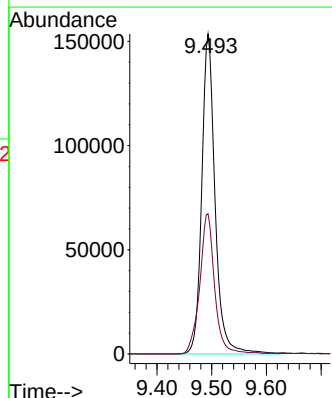
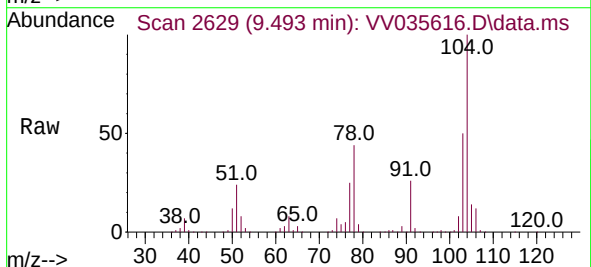
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 142239  
Ion Ratio Lower Upper  
106 100  
91 220.3 148.6 276.0

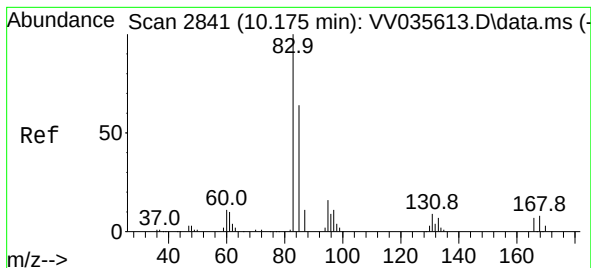


#55  
Styrene  
Concen: 5.697 ug/L  
RT: 9.493 min Scan# 2629  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Tgt Ion:104 Resp: 259895  
Ion Ratio Lower Upper  
104 100  
78 43.8 30.6 56.8



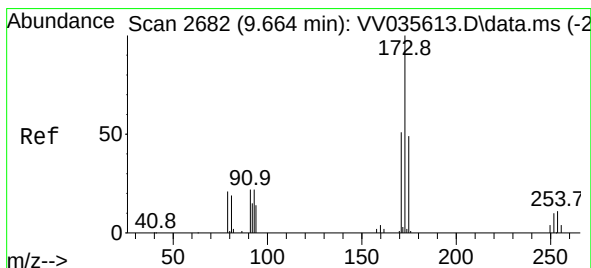
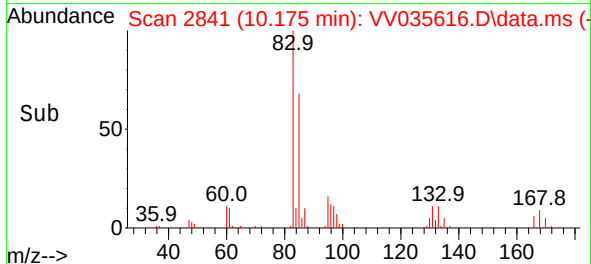
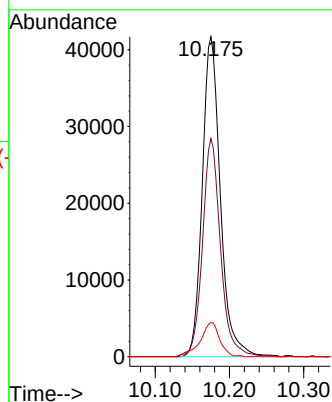
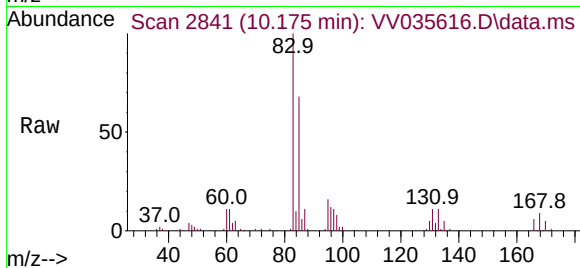




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.705 ug/L  
RT: 10.175 min Scan# 2841  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

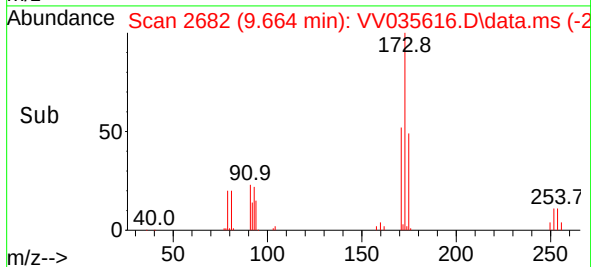
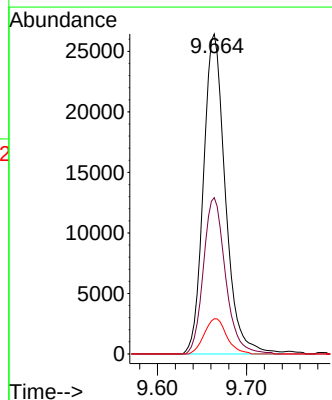
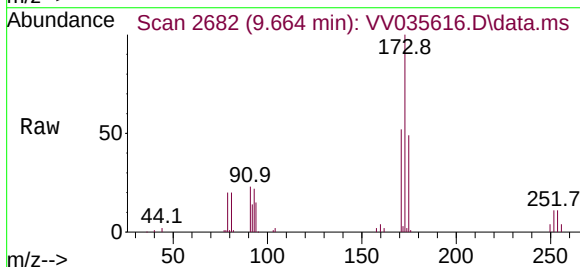
Instrument :  
MSVOA\_V  
ClientSampleId :

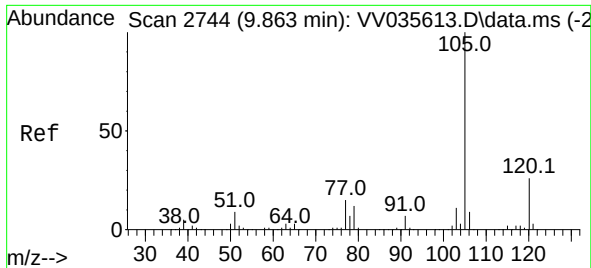
Tgt Ion: 83 Resp: 70506  
Ion Ratio Lower Upper  
83 100  
85 68.2 46.1 85.7  
131 10.7 8.2 12.2



#59  
Bromoform  
Concen: 4.904 ug/L  
RT: 9.664 min Scan# 2682  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Tgt Ion: 173 Resp: 45125  
Ion Ratio Lower Upper  
173 100  
175 49.2 38.0 57.0  
254 11.3 8.6 13.0

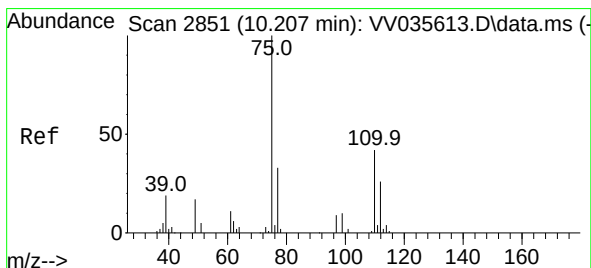
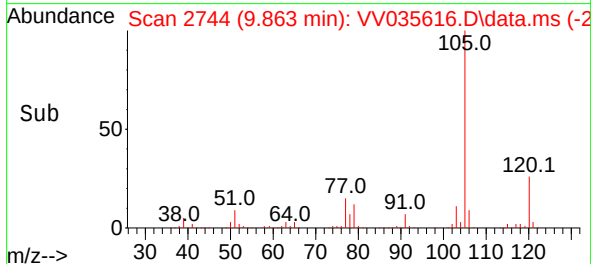
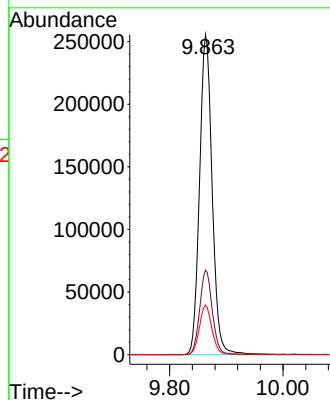
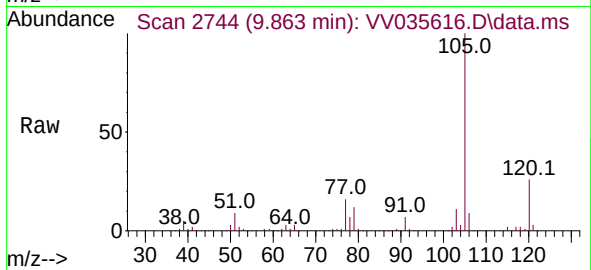




#60  
Isopropylbenzene  
Concen: 5.436 ug/L  
RT: 9.863 min Scan# 2744  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

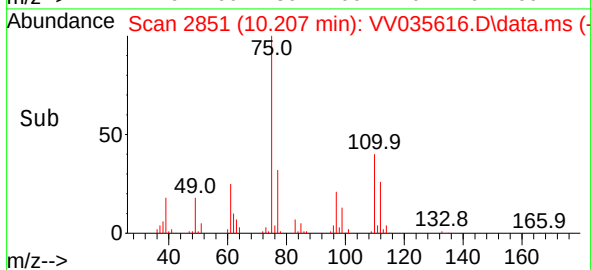
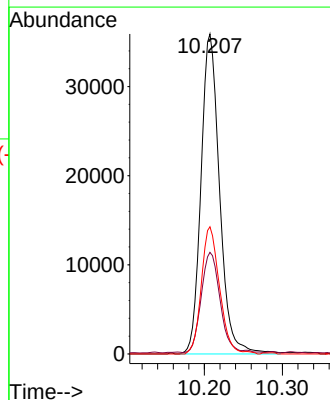
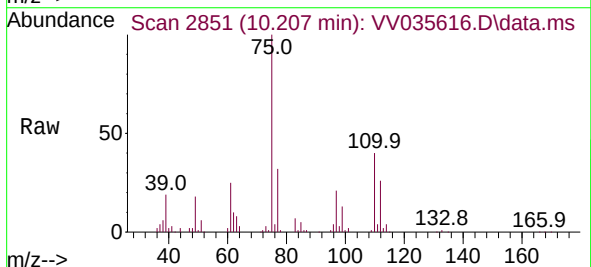
Instrument :  
MSVOA\_V  
ClientSampleId :

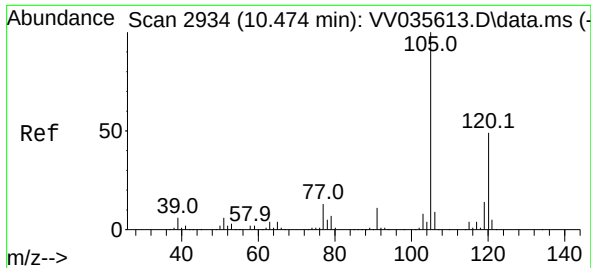
Tgt Ion:105 Resp: 394269  
Ion Ratio Lower Upper  
105 100  
120 26.4 21.4 32.2  
77 15.4 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 4.992 ug/L  
RT: 10.207 min Scan# 2851  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Tgt Ion: 75 Resp: 59532  
Ion Ratio Lower Upper  
75 100  
77 31.2 24.2 36.2  
110 38.9 31.1 46.7





#62

1,3,5-Trimethylbenzene

Concen: 5.284 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

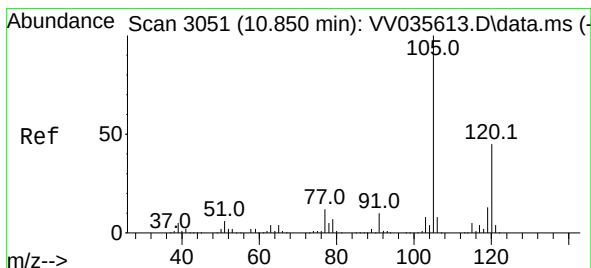
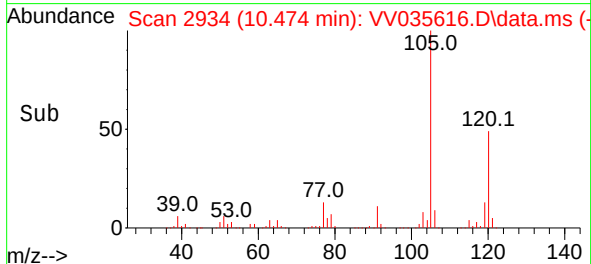
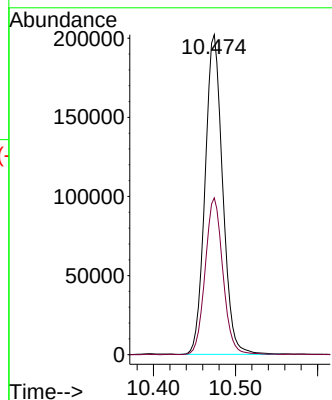
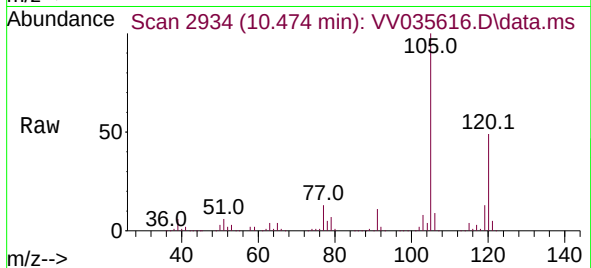
ClientSampleId :

Tgt Ion:105 Resp: 301486

Ion Ratio Lower Upper

105 100

120 49.2 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 5.479 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035616.D

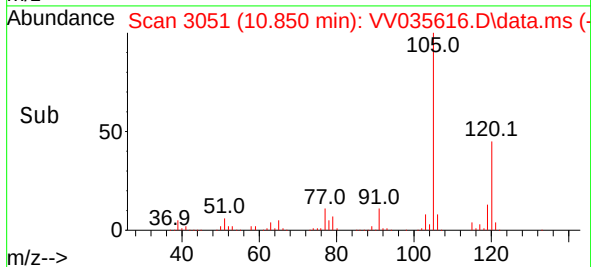
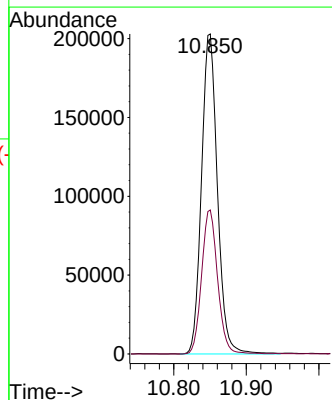
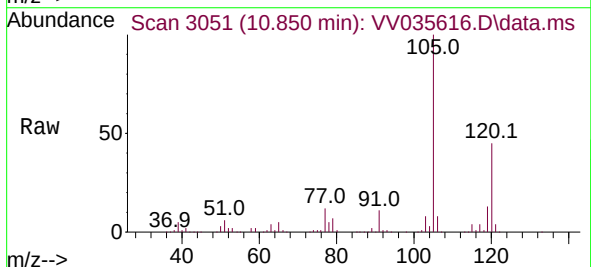
Acq: 15 May 2024 14:58

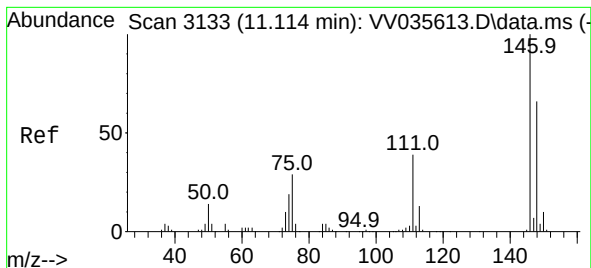
Tgt Ion:105 Resp: 309382

Ion Ratio Lower Upper

105 100

120 45.2 36.8 55.2





#64

1,3-Dichlorobenzene

Concen: 5.388 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

ClientSampleId :

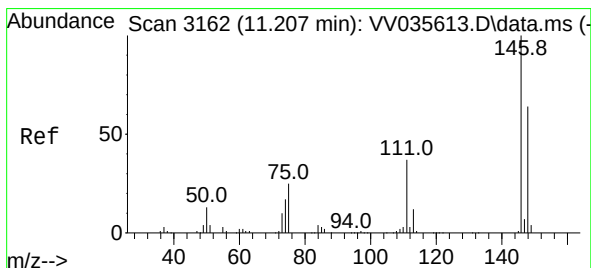
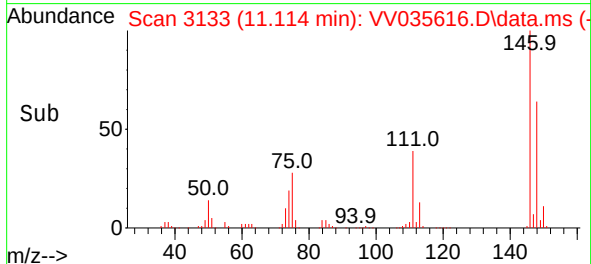
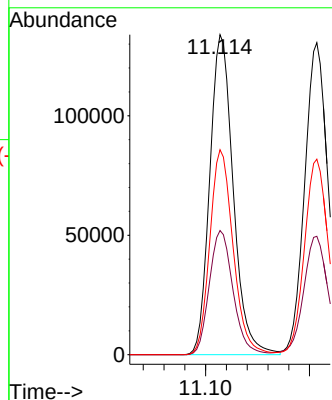
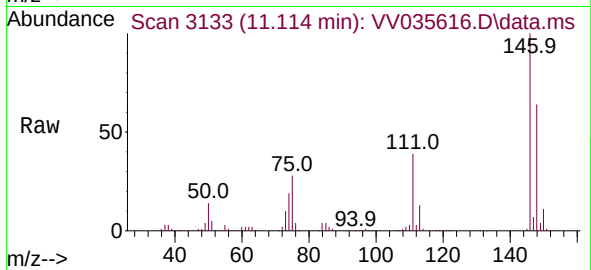
Tgt Ion:146 Resp: 210379

Ion Ratio Lower Upper

146 100

111 38.8 27.6 51.2

148 64.1 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 5.217 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

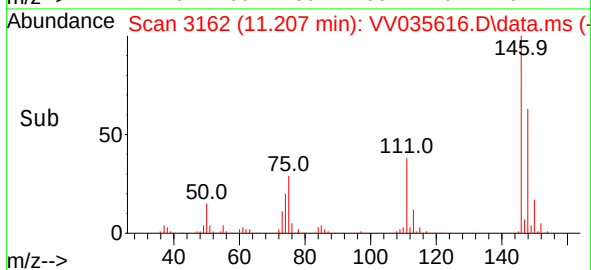
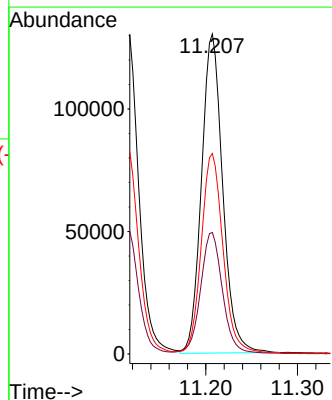
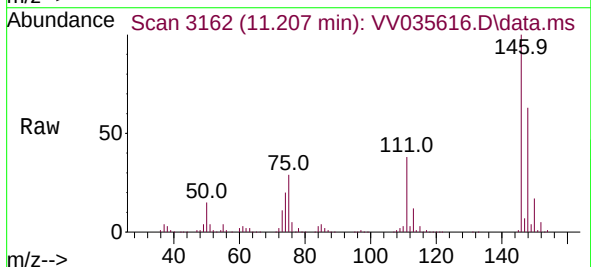
Tgt Ion:146 Resp: 209565

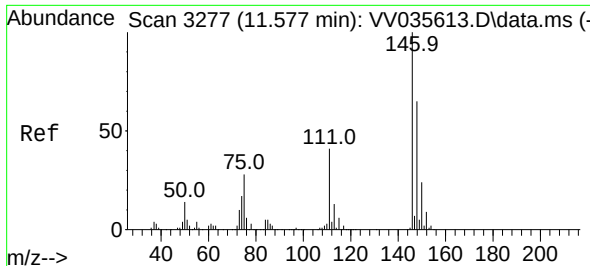
Ion Ratio Lower Upper

146 100

111 37.9 25.8 47.8

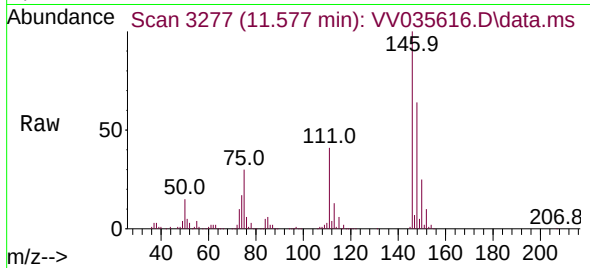
148 62.7 44.0 81.6



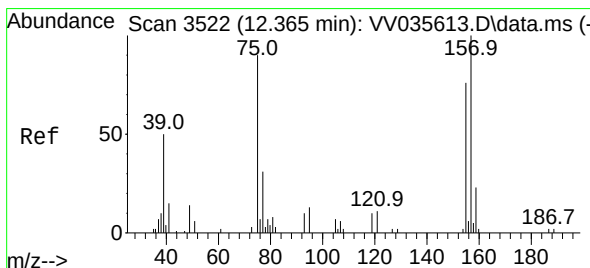
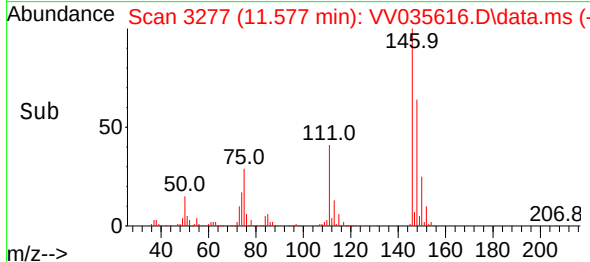
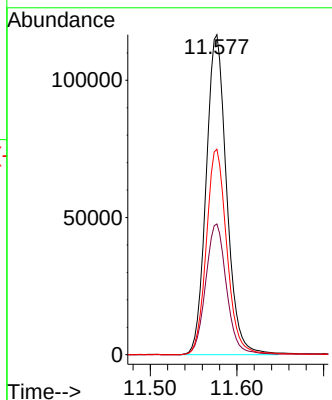


#67  
1,2-Dichlorobenzene  
Concen: 5.146 ug/L  
RT: 11.577 min Scan# 3277  
Delta R.T. 0.000 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Instrument :  
MSVOA\_V  
ClientSampleId :

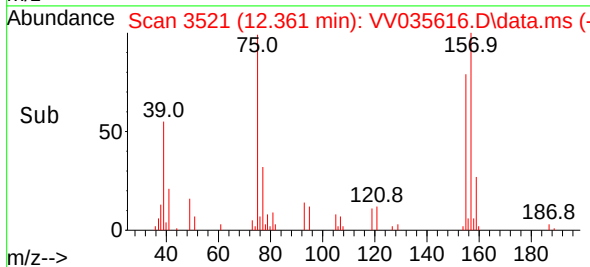
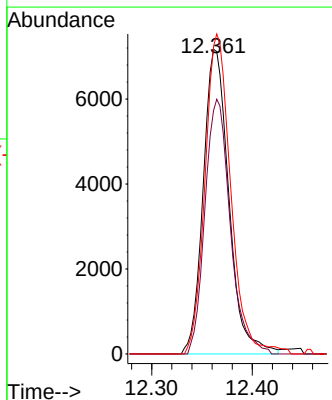
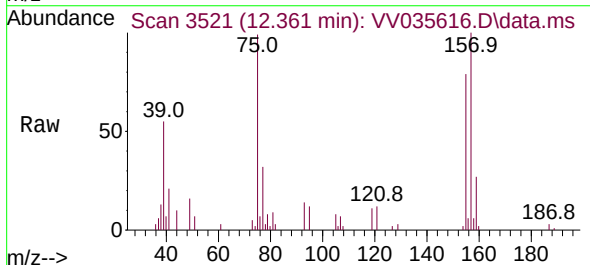


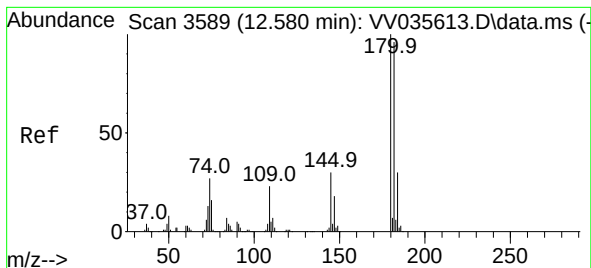
Tgt Ion:146 Resp: 191914  
Ion Ratio Lower Upper  
146 100  
111 40.9 33.5 50.3  
148 64.2 51.9 77.9



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.994 ug/L  
RT: 12.361 min Scan# 3521  
Delta R.T. -0.003 min  
Lab File: VV035616.D  
Acq: 15 May 2024 14:58

Tgt Ion: 75 Resp: 12693  
Ion Ratio Lower Upper  
75 100  
155 79.9 73.4 110.0  
157 100.9 95.8 143.8





#69

1,3,5-Trichlorobenzene

Concen: 5.325 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion:180 Resp: 157287

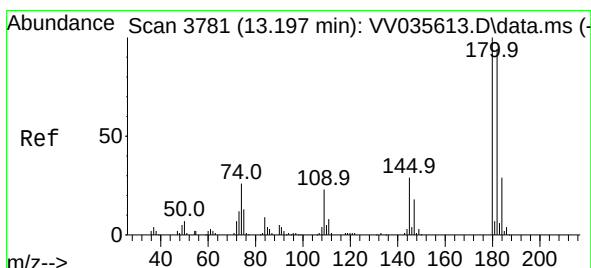
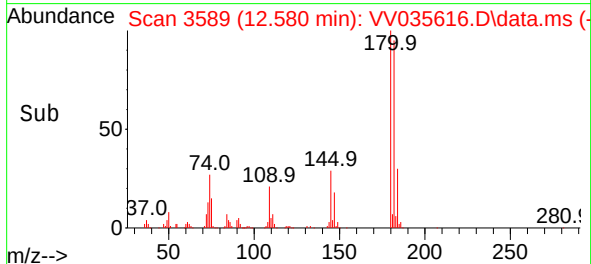
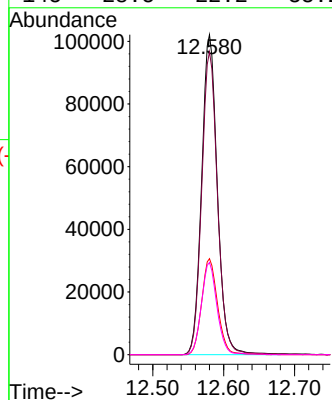
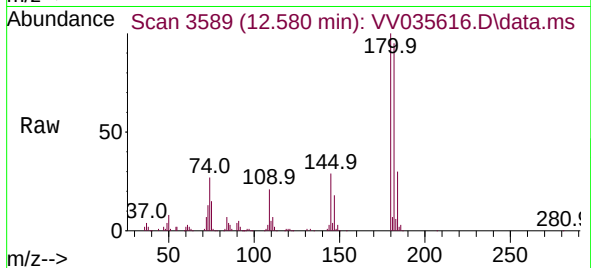
Ion Ratio Lower Upper

180 100

182 95.2 75.9 113.9

184 30.4 24.0 36.0

145 28.5 22.2 33.2



#70

1,2,4-trichlorobenzene

Concen: 5.336 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

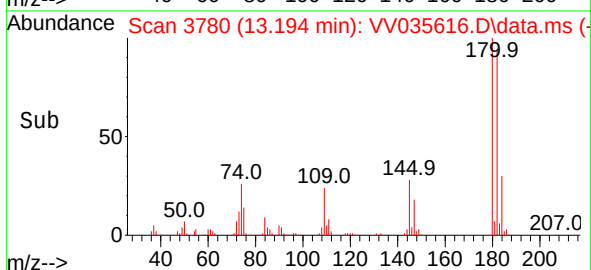
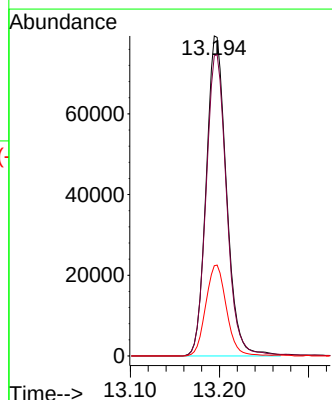
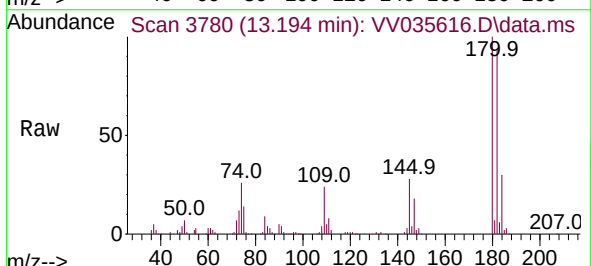
Tgt Ion:180 Resp: 125060

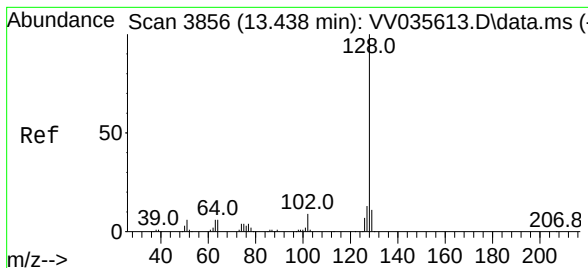
Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 29.0 22.9 34.3





#71

Naphthalene

Concen: 4.994 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Instrument :

MSVOA\_V

ClientSampleId :

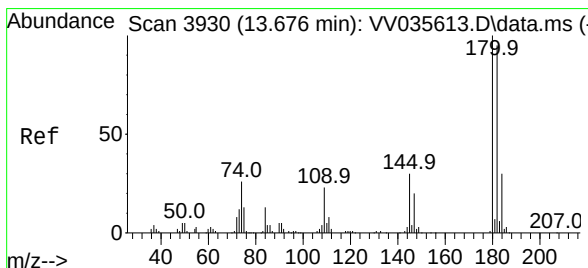
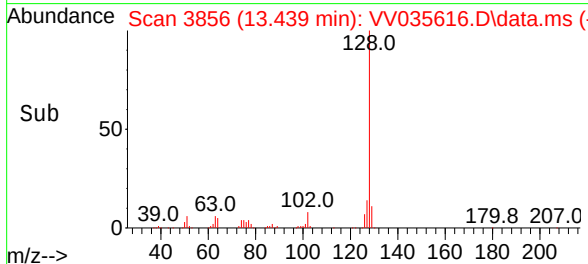
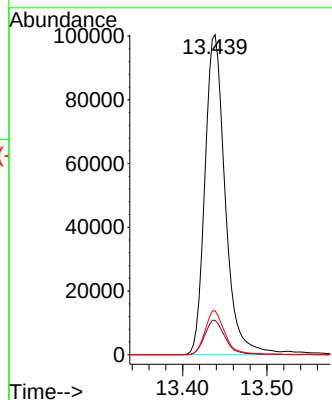
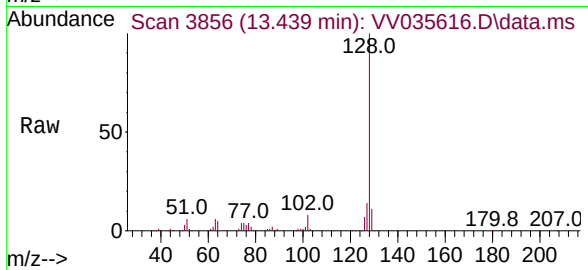
Tgt Ion:128 Resp: 168260

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 13.5 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 5.332 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035616.D

Acq: 15 May 2024 14:58

Tgt Ion:180 Resp: 115566

Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

145 30.6 25.1 37.7

