

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV101422\  
 Data File : VV028549.D  
 Acq On : 14 Oct 2022 13:20  
 Operator : SY/MD  
 Sample : VSTD01061  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010261

Quant Time: Oct 15 01:43:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR101422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 15 01:39:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114  | 222976   | 5.000   | ug/L   | 0.03     |
| 28) Chlorobenzene-d5          | 8.847  | 117  | 211457   | 5.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152  | 107598   | 5.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65   | 233034   | 13.722  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.565  | 69   | 191076   | 13.416  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63   | 412222   | 13.115  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.896  | 46   | 315788   | 100.146 | ug/L   | -0.05    |
| 24) Chloroform-d              | 4.343  | 84   | 334893   | 11.205  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65   | 163762   | 11.216  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.043  | 84   | 688584   | 11.091  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67   | 221167   | 12.369  | ug/L   | 0.02     |
| 41) Toluene-d8                | 7.310  | 98   | 610627   | 11.358  | ug/L   | -0.02    |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79   | 85221    | 12.976  | ug/L   | -0.02    |
| 46) 2-Hexanone-d5             | 8.085  | 63   | 370651   | 135.635 | ug/L   | -0.03    |
| 56) 1,1,2,2-Tetrachloroeth... | 10.211 | 84   | 143940   | 11.262  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.616 | 152  | 193894   | 10.492  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127  | 85   | 147266   | 9.122   | ug/L   | 100      |
| 3) Chloromethane              | 1.237  | 50   | 229119   | 13.271  | ug/L   | 98       |
| 5) Vinyl chloride             | 1.307  | 62   | 233911   | 12.510  | ug/L   | 97       |
| 6) Bromomethane               | 1.520  | 94   | 107974   | 12.305  | ug/L   | 98       |
| 8) Chloroethane               | 1.581  | 64   | 161472   | 13.132  | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.748  | 101  | 290763   | 10.848  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101  | 173038   | 11.524  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.114  | 96   | 162099   | 10.849  | ug/L   | 97       |
| 13) Acetone                   | 2.188  | 43   | 175087   | 88.264  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.288  | 76   | 409835   | 8.864   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.436  | 43   | 50113    | 8.928   | ug/L   | 98       |
| 16) Methylene chloride        | 2.503  | 84   | 171097   | 9.710   | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73   | 356562   | 10.898  | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96   | 156307   | 9.927   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.185  | 63   | 342083   | 12.025  | ug/L   | 100      |
| 21) 2-Butanone                | 3.982  | 43   | 342813   | 110.634 | ug/L   | 81       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96   | 176014   | 10.764  | ug/L # | 97       |
| 23) Bromochloromethane        | 4.243  | 128  | 64914    | 9.396   | ug/L   | 91       |
| 25) Chloroform                | 4.368  | 83   | 329295   | 10.893  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 185619   | 10.971  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 272777   | 10.120  | ug/L   | 97       |
| 30) Cyclohexane               | 4.671  | 56   | 305890   | 12.087  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 218593   | 9.190   | ug/L   | 98       |
| 33) Benzene                   | 5.095  | 78   | 712407   | 10.825  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 173625   | 10.929  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 297051   | 11.355  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 189219   | 12.519  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 222965   | 11.098  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 268359   | 12.536  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 1105392  | 149.794 | ug/L   | 97       |
| 42) Toluene                   | 7.381  | 91   | 753167   | 11.415  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 216602   | 12.089  | ug/L   | 99       |

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 Data File : VV028549.D  
 Acq On : 14 Oct 2022 13:20  
 Operator : SY/MD  
 Sample : VSTD01061  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

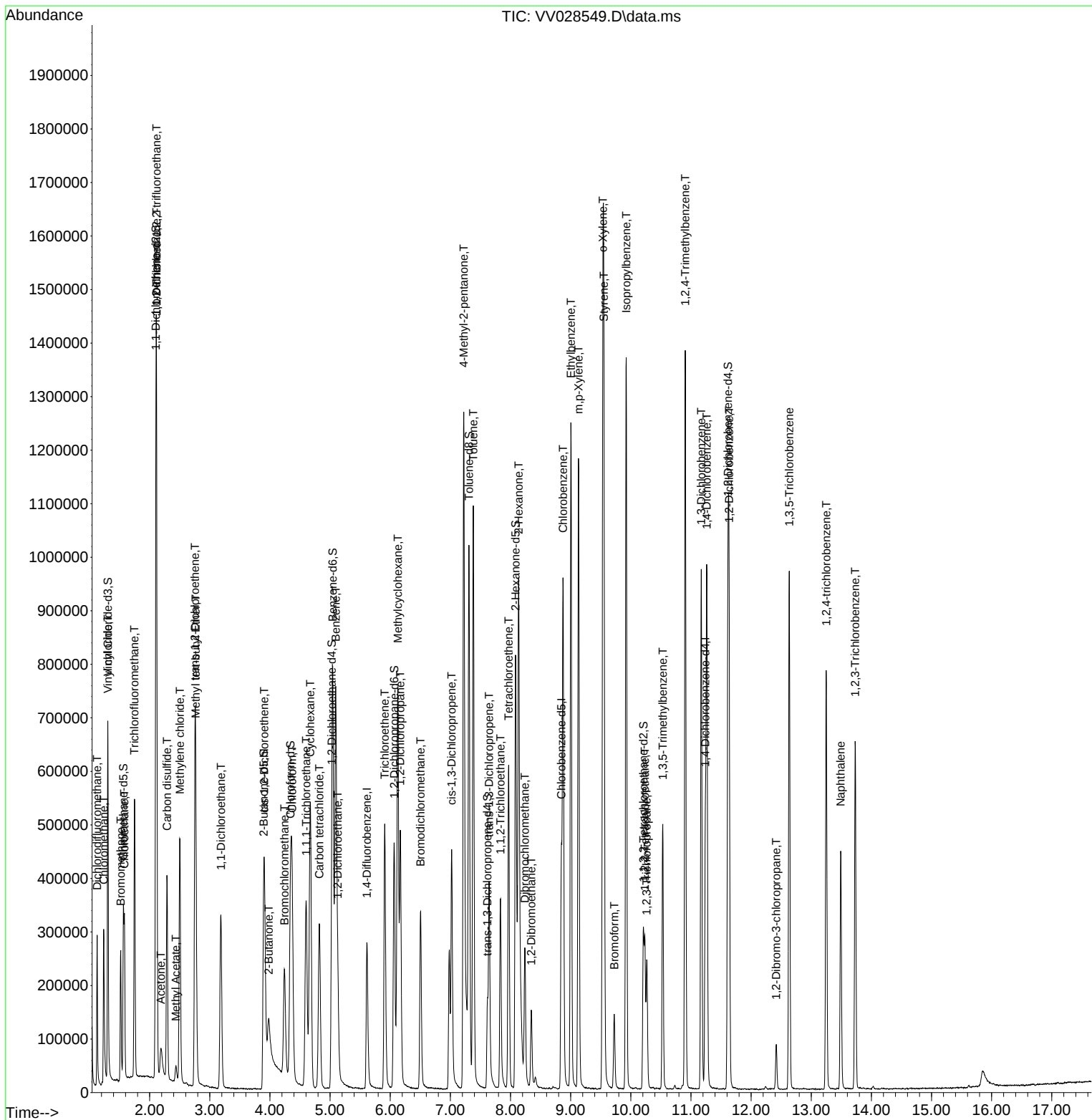
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010261

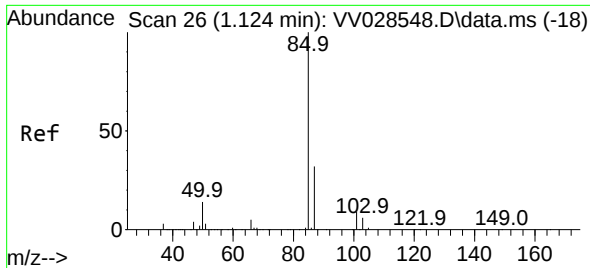
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR101422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 15 01:39:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 110052   | 10.317  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.969  | 164  | 121828   | 9.315   | ug/L  | 98       |
| 48) 2-Hexanone                | 8.137  | 43   | 778682   | 154.621 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.240  | 129  | 122560   | 9.504   | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.346  | 107  | 98728    | 10.472  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.873  | 112  | 458895   | 10.640  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.005  | 91   | 841803   | 12.068  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.130  | 106  | 309356   | 11.391  | ug/L  | 98       |
| 54) o-Xylene                  | 9.535  | 106  | 306476   | 11.759  | ug/L  | 96       |
| 55) Styrene                   | 9.555  | 104  | 523446   | 11.837  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 134449   | 11.140  | ug/L  | 97       |
| 59) Bromoform                 | 9.725  | 173  | 58996    | 8.981   | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.924  | 105  | 835002   | 12.516  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 96791    | 11.607  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.532 | 105  | 249158   | 12.912  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 694037   | 12.785  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 346992   | 10.951  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.265 | 146  | 344056   | 10.907  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 11.635 | 146  | 309102   | 10.737  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.419 | 75   | 20355    | 10.710  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 260577   | 10.447  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.249 | 180  | 207257   | 10.864  | ug/L  | 97       |
| 71) Naphthalene               | 13.490 | 128  | 326365   | 10.802  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 175509   | 10.340  | ug/L  | 98       |
| -----                         |        |      |          |         |       |          |

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

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QLast Update : Sat Oct 15 01:39:46 2022  
Response via : Initial Calibration

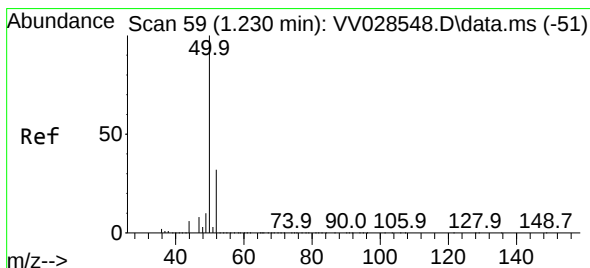
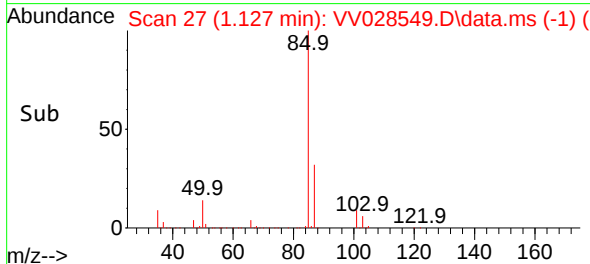
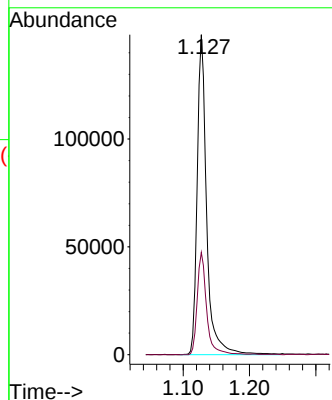
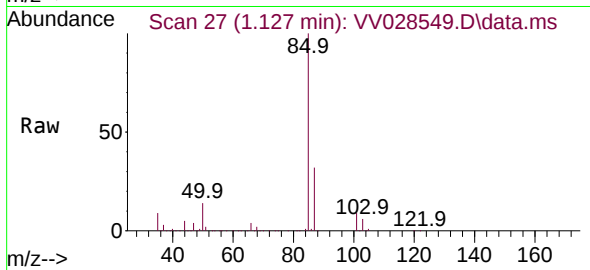




#2  
 Dichlorodifluoromethane  
 Concen: 9.122 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV028549.D  
 Acq: 14 Oct 2022 13:20

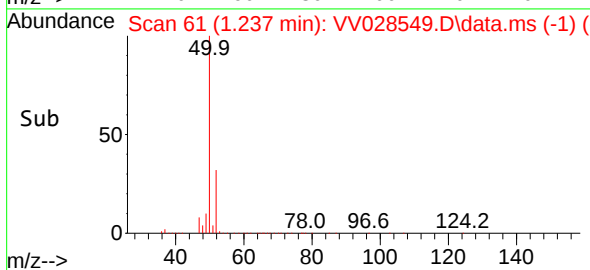
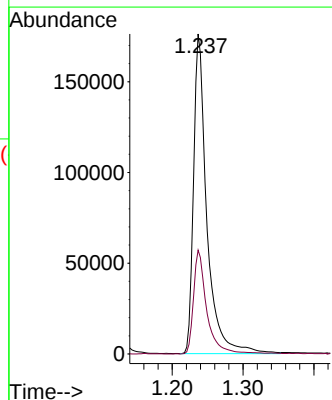
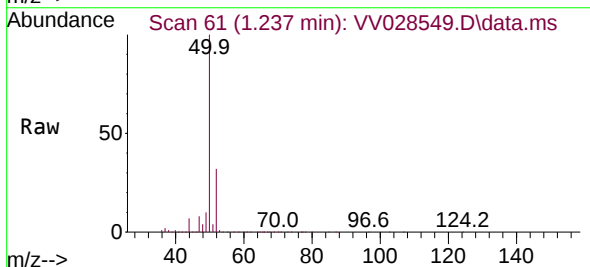
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010261

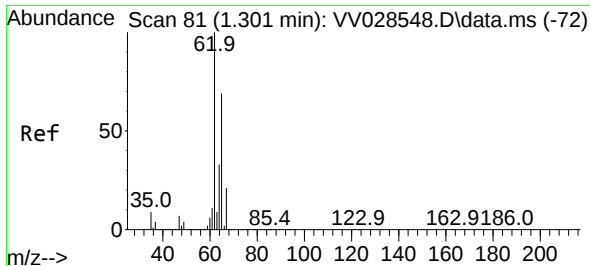
Tgt Ion: 85 Resp: 147266  
 Ion Ratio Lower Upper  
 85 100  
 87 31.7 25.4 38.2



#3  
 Chloromethane  
 Concen: 13.271 ug/L  
 RT: 1.237 min Scan# 61  
 Delta R.T. 0.006 min  
 Lab File: VV028549.D  
 Acq: 14 Oct 2022 13:20

Tgt Ion: 50 Resp: 229119  
 Ion Ratio Lower Upper  
 50 100  
 52 32.5 22.0 41.0

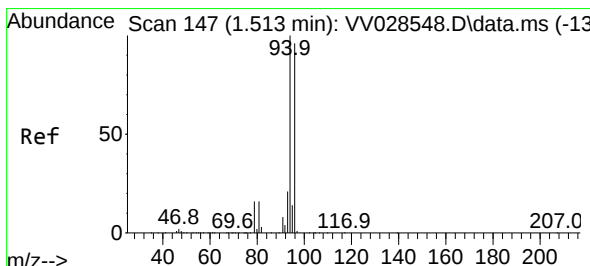
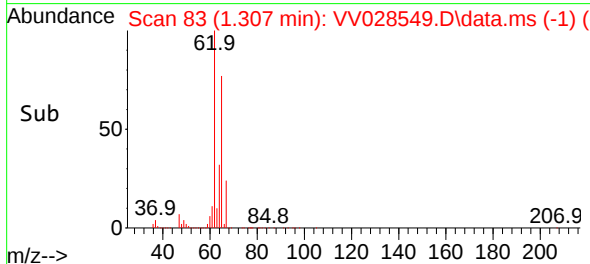
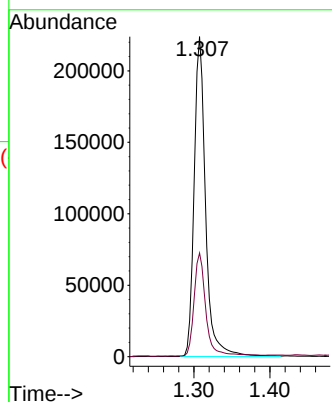
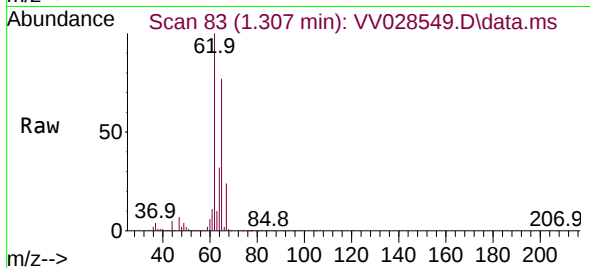




#5  
 Vinyl chloride  
 Concen: 12.510 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. 0.006 min  
 Lab File: VV028549.D  
 Acq: 14 Oct 2022 13:20

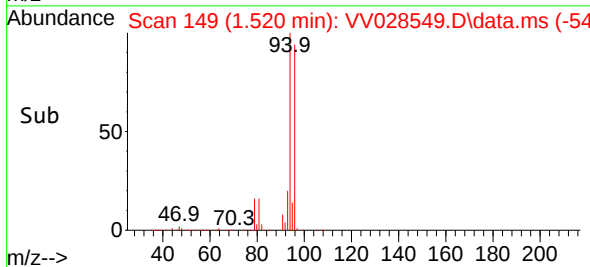
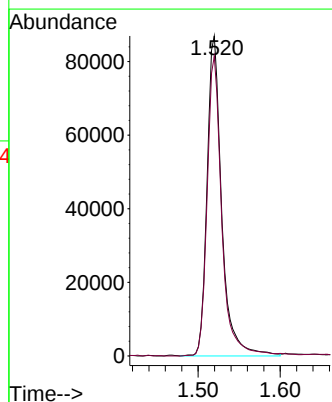
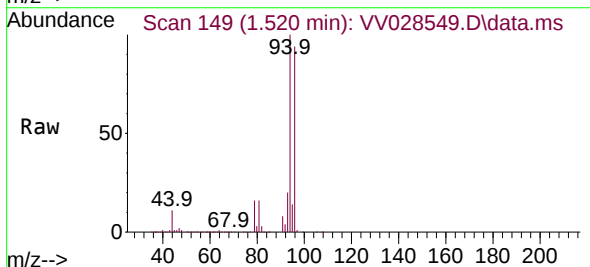
Instrument :  
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 ClientSampleId :  
 VSTD010261

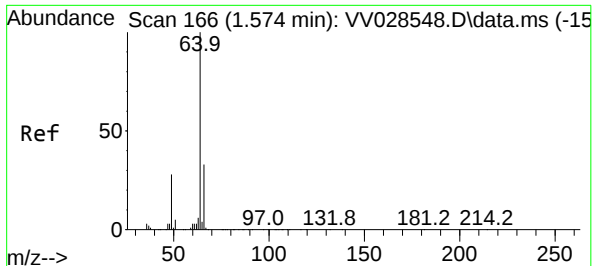
Tgt Ion: 62 Resp: 233911  
 Ion Ratio Lower Upper  
 62 100  
 64 32.4 23.7 44.1



#6  
 Bromomethane  
 Concen: 12.305 ug/L  
 RT: 1.520 min Scan# 149  
 Delta R.T. 0.006 min  
 Lab File: VV028549.D  
 Acq: 14 Oct 2022 13:20

Tgt Ion: 94 Resp: 107974  
 Ion Ratio Lower Upper  
 94 100  
 96 93.7 67.0 124.4

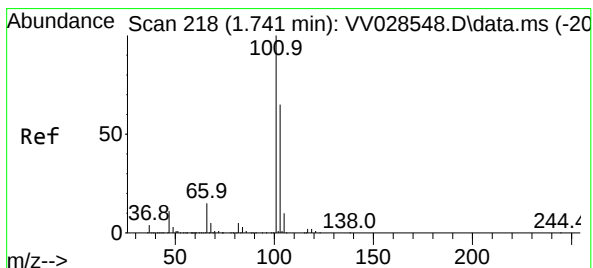
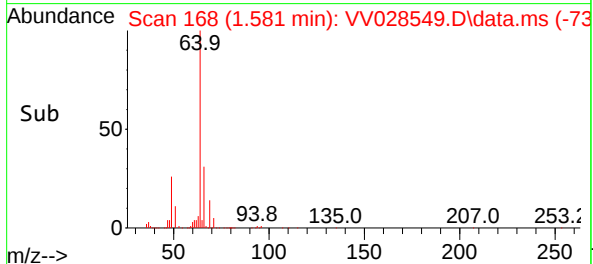
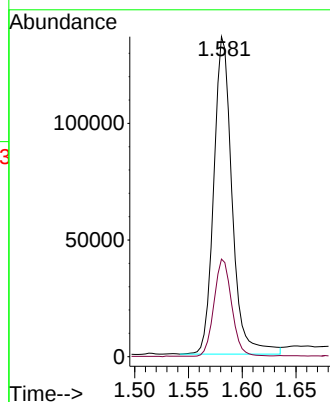
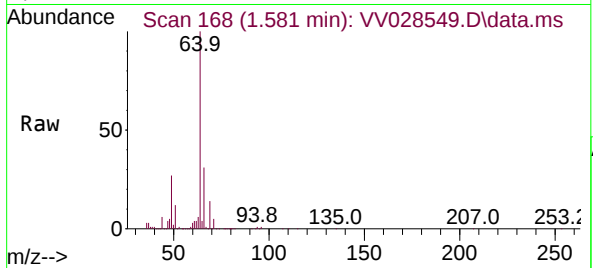




#8  
Chloroethane  
Concen: 13.132 ug/L  
RT: 1.581 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

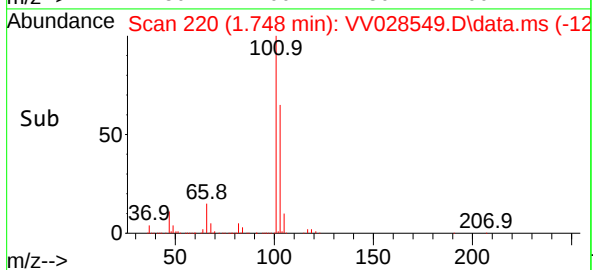
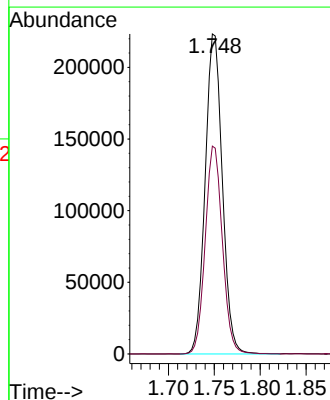
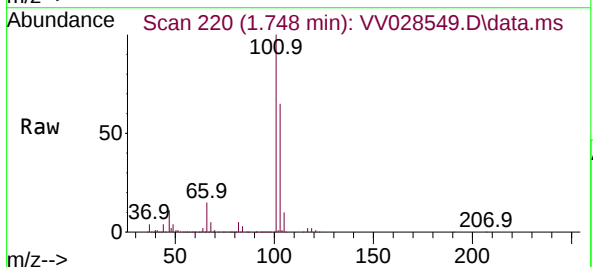
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

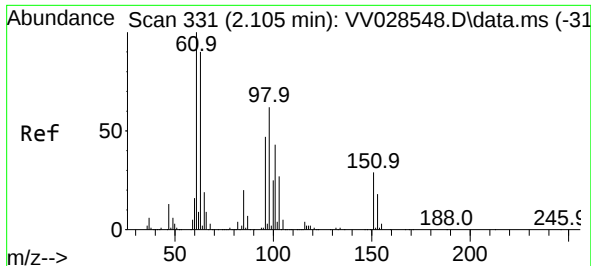
Tgt Ion: 64 Resp: 161472  
Ion Ratio Lower Upper  
64 100  
66 30.5 23.0 42.8



#9  
Trichlorofluoromethane  
Concen: 10.848 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 101 Resp: 290763  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.6 77.4

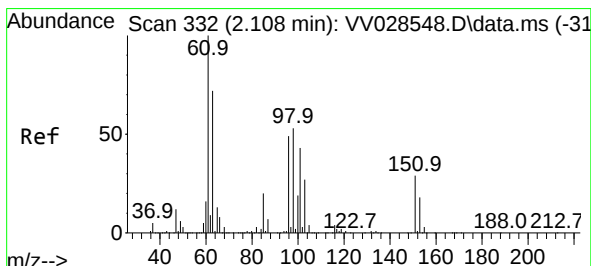
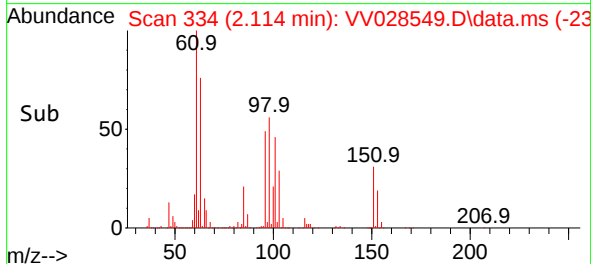
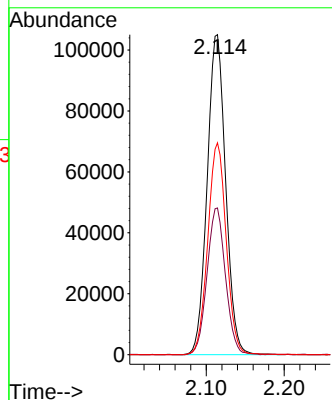
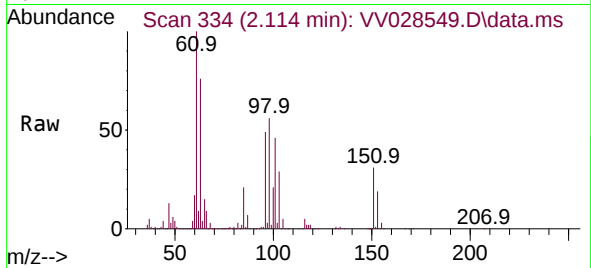




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 11.524 ug/L  
RT: 2.114 min Scan# 331  
Delta R.T. 0.010 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

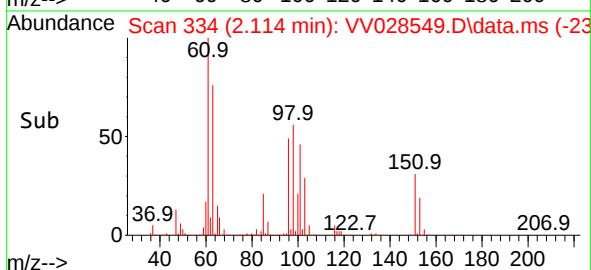
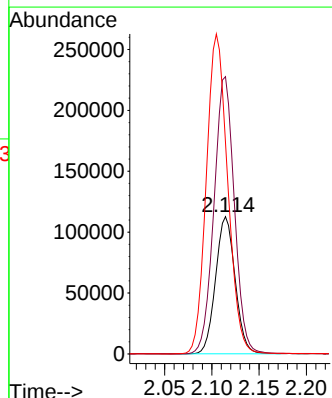
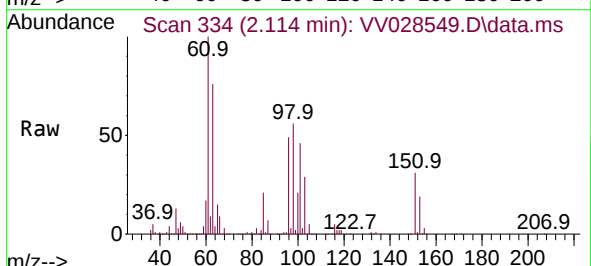
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

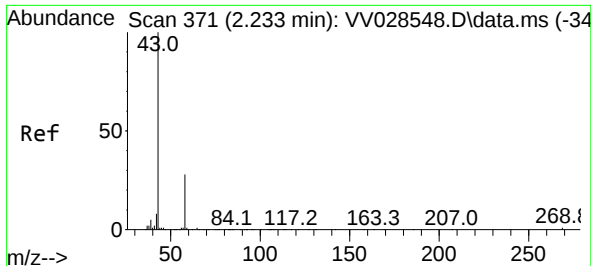
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Ion Ratio Lower Upper  
101 100  
85 45.8 37.3 55.9  
151 66.0 52.8 79.2



#12  
1,1-Dichloroethene  
Concen: 10.849 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 96 Resp: 162099  
Ion Ratio Lower Upper  
96 100  
61 202.1 142.9 265.5  
63 154.3 102.3 190.1

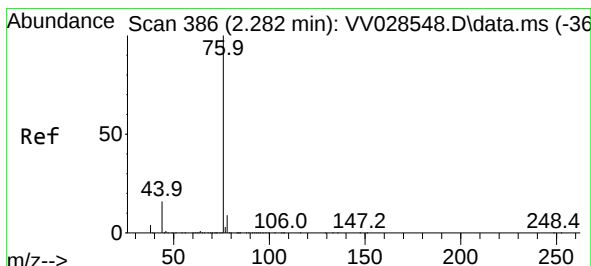
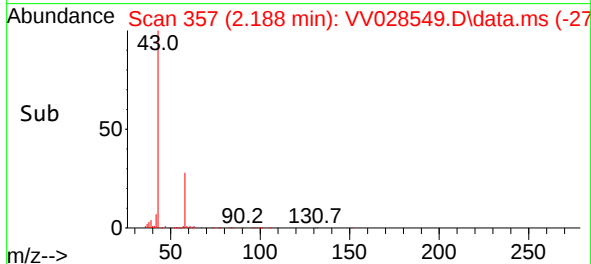
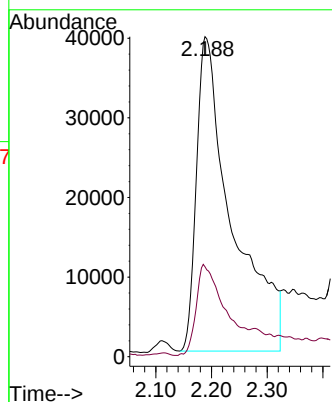
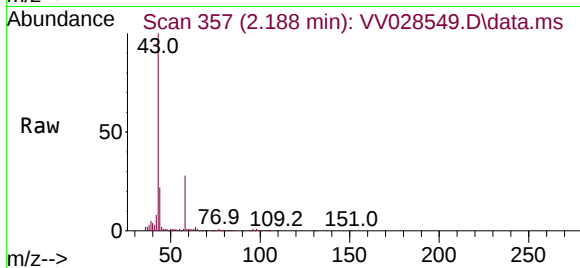




#13  
Acetone  
Concen: 88.264 ug/L  
RT: 2.188 min Scan# 31  
Delta R.T. -0.045 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

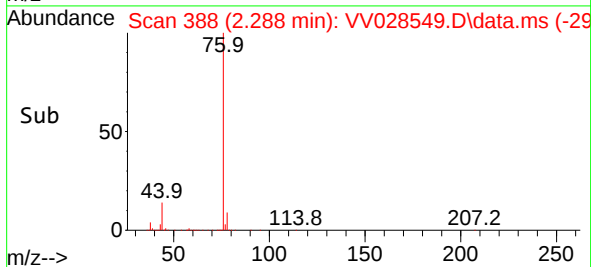
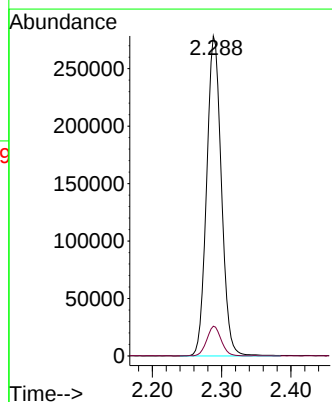
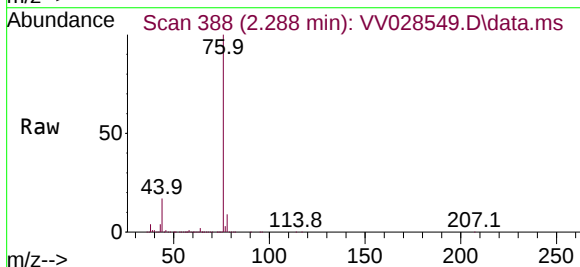
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

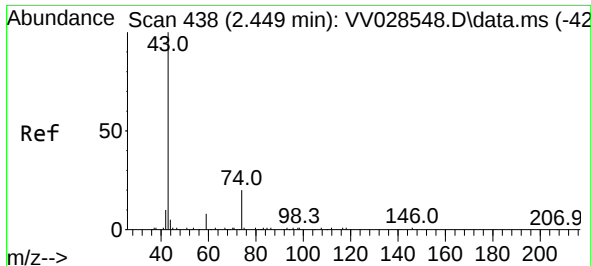
Tgt Ion: 43 Resp: 175087  
Ion Ratio Lower Upper  
43 100  
58 24.1 0.0 48.6



#14  
Carbon disulfide  
Concen: 8.864 ug/L  
RT: 2.288 min Scan# 388  
Delta R.T. 0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 76 Resp: 409835  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0

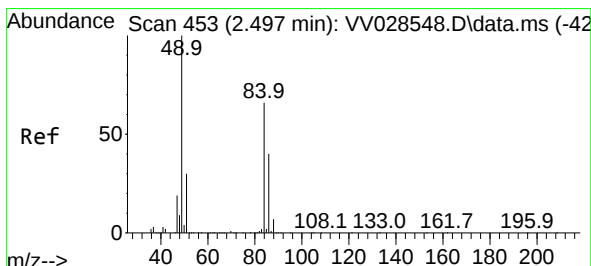
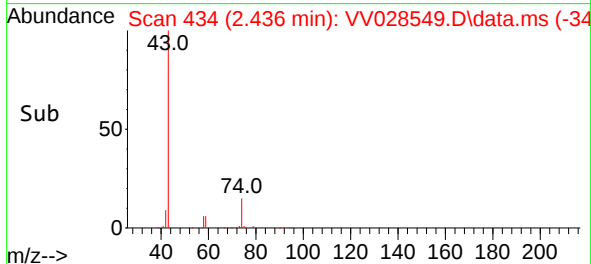
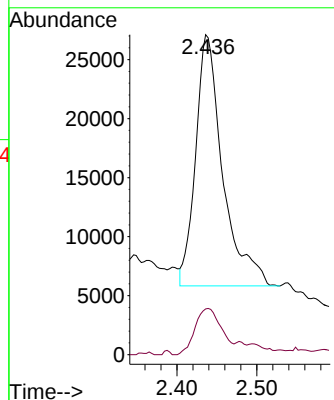
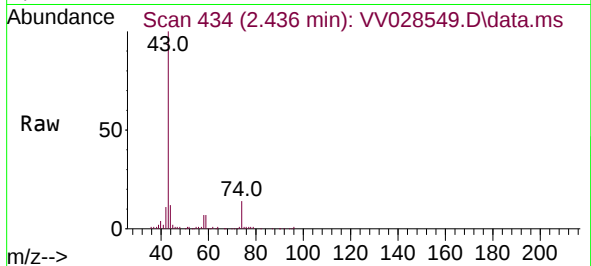




#15  
Methyl Acetate  
Concen: 8.928 ug/L  
RT: 2.436 min Scan# 411  
Delta R.T. -0.013 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

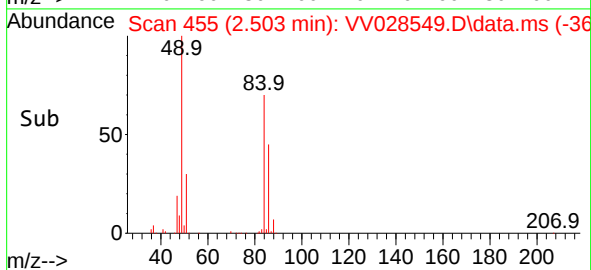
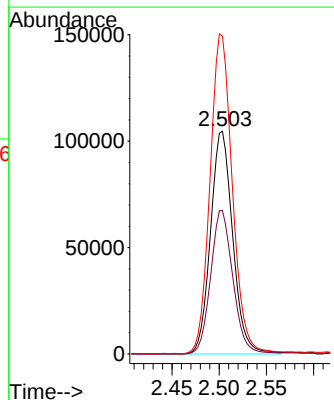
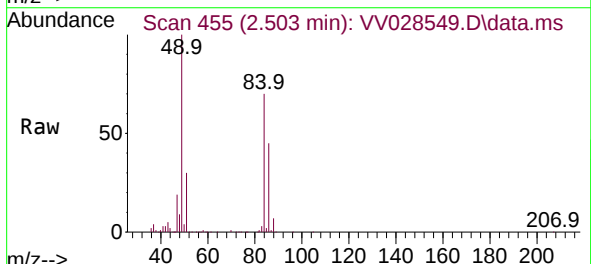
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

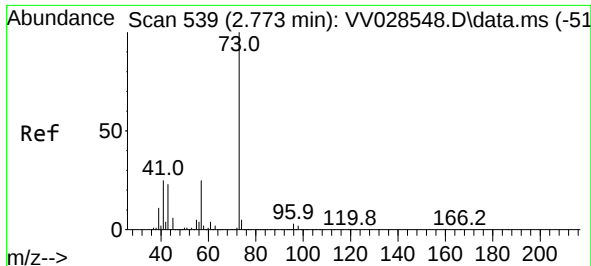
Tgt Ion: 43 Resp: 50113  
Ion Ratio Lower Upper  
43 100  
74 18.1 13.8 20.6



#16  
Methylene chloride  
Concen: 9.710 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 84 Resp: 171097  
Ion Ratio Lower Upper  
84 100  
86 64.4 42.8 79.6  
49 142.7 106.4 197.6





#17

Methyl tert-butyl Ether

Concen: 10.898 ug/L

RT: 2.767 min Scan# 51

Delta R.T. -0.006 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010261

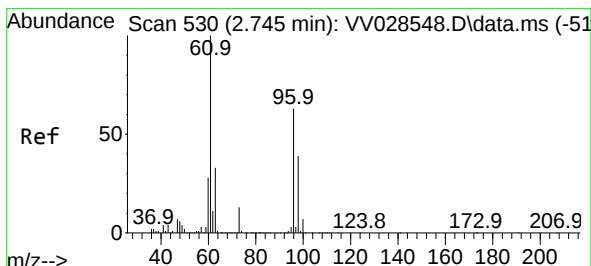
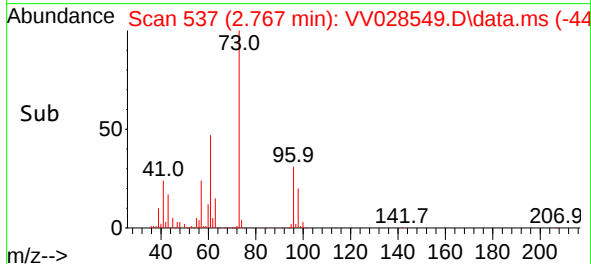
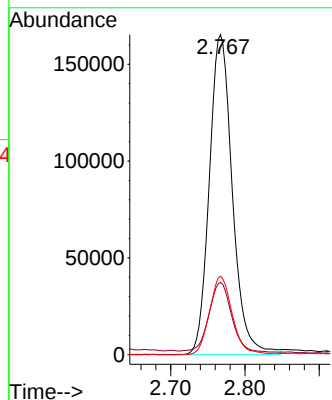
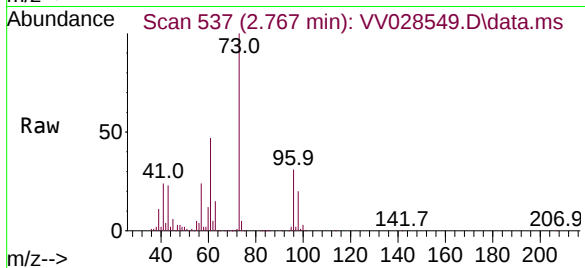
Tgt Ion: 73 Resp: 356562

Ion Ratio Lower Upper

73 100

43 21.5 18.2 27.2

57 24.2 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 9.927 ug/L

RT: 2.754 min Scan# 533

Delta R.T. 0.010 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

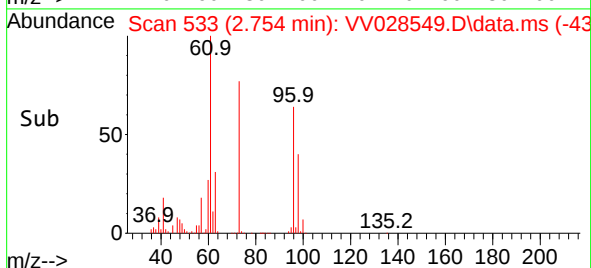
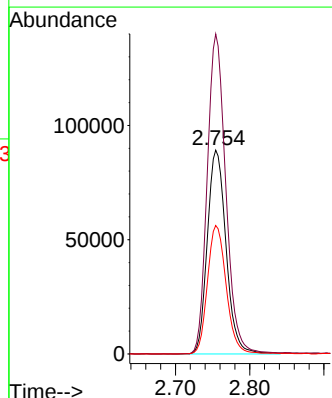
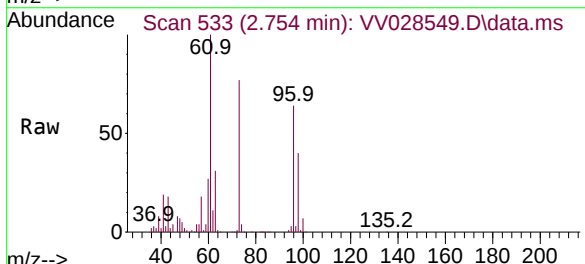
Tgt Ion: 96 Resp: 156307

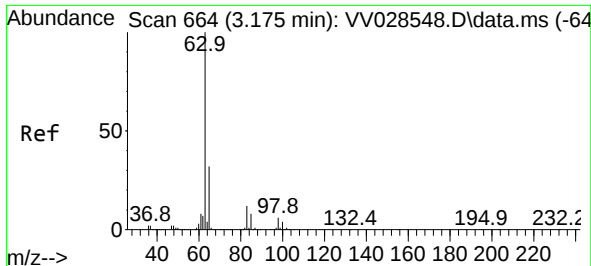
Ion Ratio Lower Upper

96 100

61 157.0 111.2 206.6

98 63.1 42.9 79.7





#19

1,1-Dichloroethane

Concen: 12.025 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010261

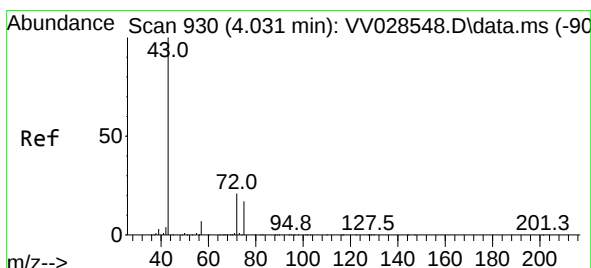
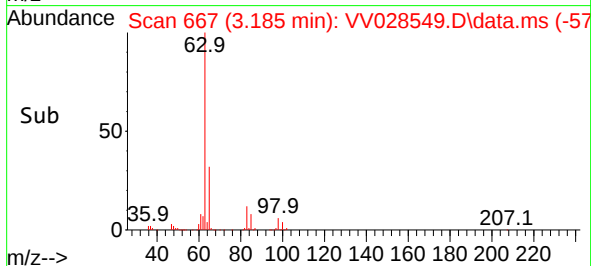
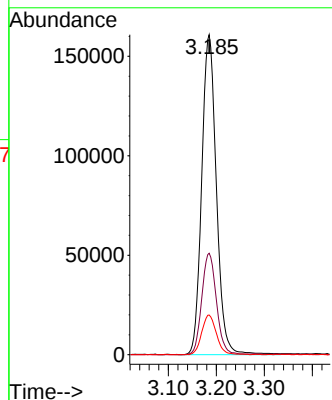
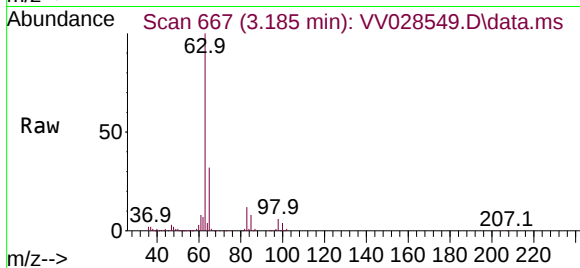
Tgt Ion: 63 Resp: 342083

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.5

83 12.4 8.5 15.7



#21

2-Butanone

Concen: 110.634 ug/L

RT: 3.982 min Scan# 915

Delta R.T. -0.048 min

Lab File: VV028549.D

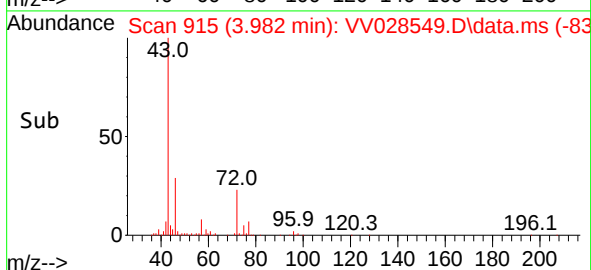
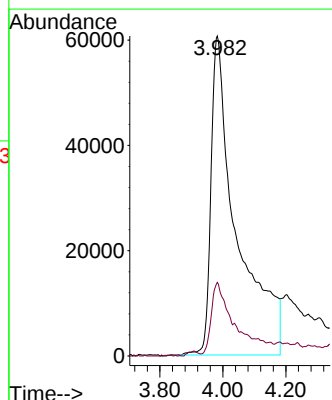
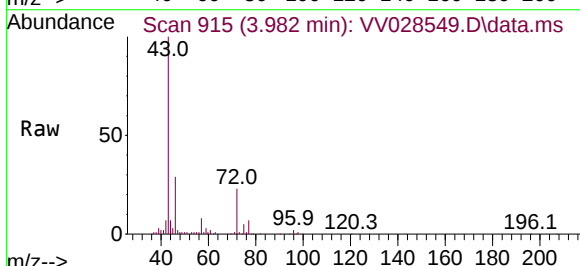
Acq: 14 Oct 2022 13:20

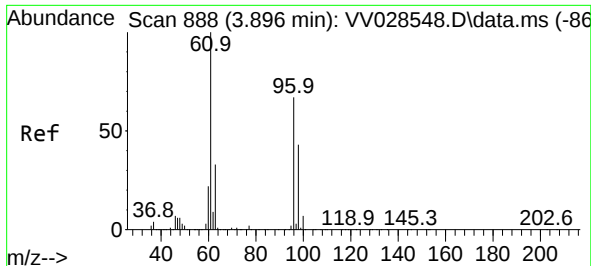
Tgt Ion: 43 Resp: 342813

Ion Ratio Lower Upper

43 100

72 13.2 11.1 33.3

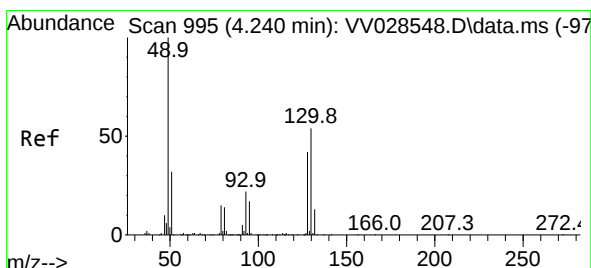
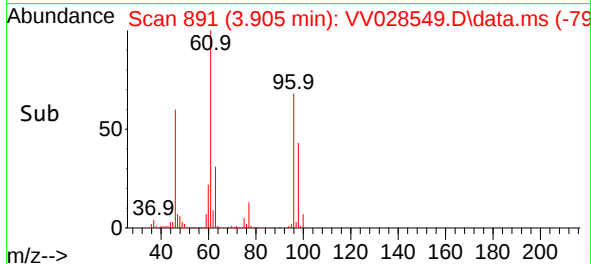
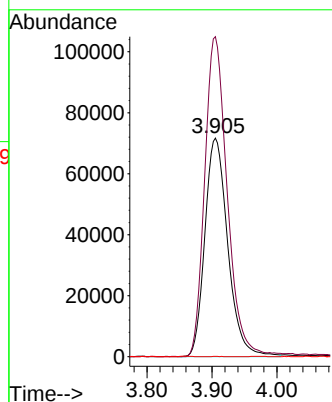
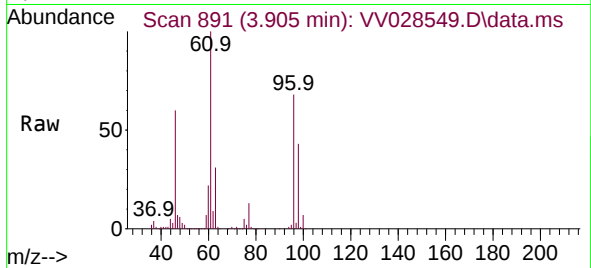




#22  
 cis-1,2-Dichloroethene  
 Concen: 10.764 ug/L  
 RT: 3.905 min Scan# 891  
 Delta R.T. 0.010 min  
 Lab File: VV028549.D  
 Acq: 14 Oct 2022 13:20

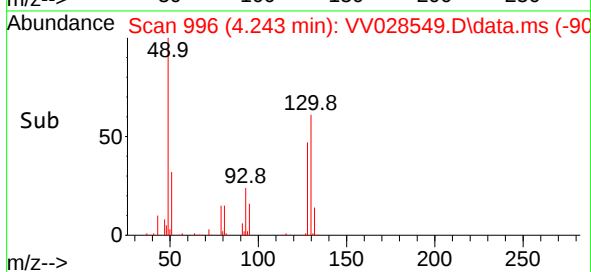
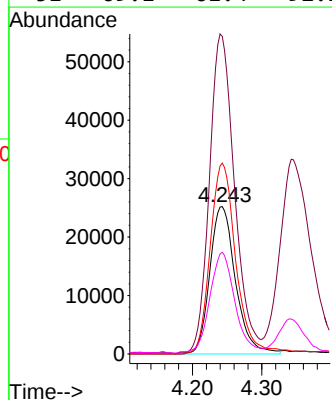
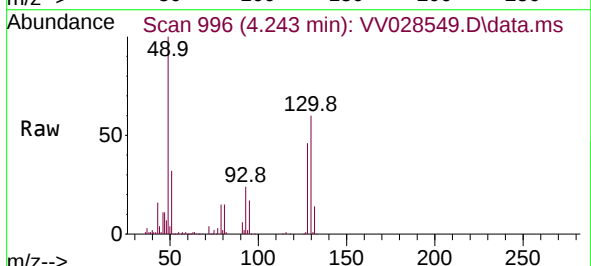
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010261

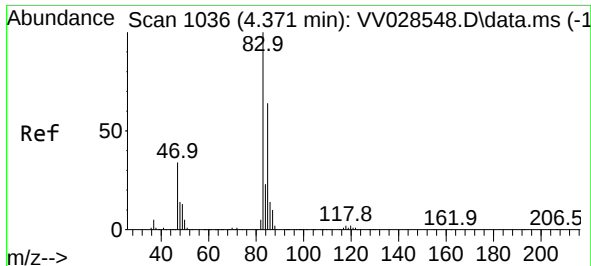
Tgt Ion: 96 Resp: 176014  
 Ion Ratio Lower Upper  
 96 100  
 61 146.4 105.1 195.3  
 68 0.2 0.5 0.9#



#23  
 Bromochloromethane  
 Concen: 9.396 ug/L  
 RT: 4.243 min Scan# 996  
 Delta R.T. 0.003 min  
 Lab File: VV028549.D  
 Acq: 14 Oct 2022 13:20

Tgt Ion:128 Resp: 64914  
 Ion Ratio Lower Upper  
 128 100  
 49 215.6 165.8 308.0  
 130 129.6 88.8 165.0  
 51 69.1 61.4 92.2





#25

Chloroform

Concen: 10.893 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

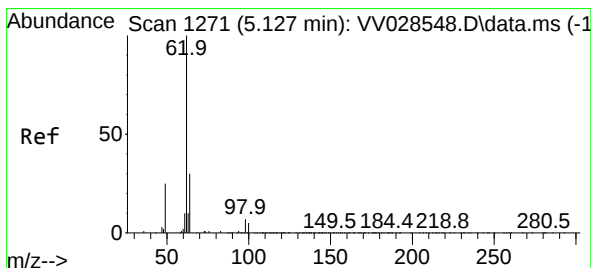
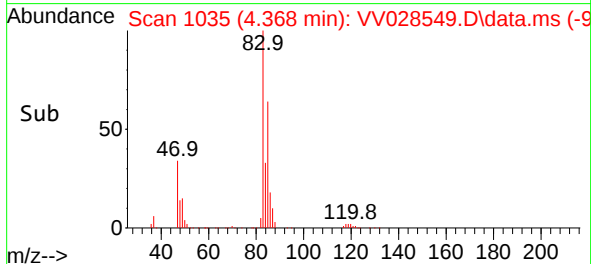
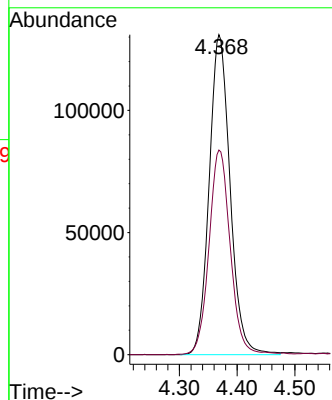
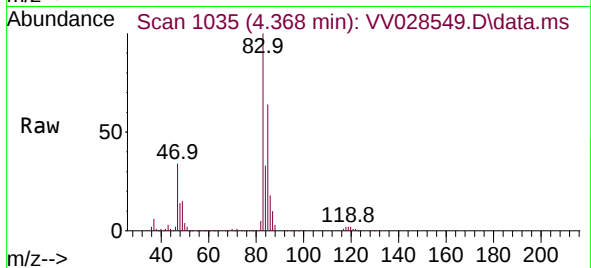
VSTD010261

Tgt Ion: 83 Resp: 329295

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9



#27

1,2-Dichloroethane

Concen: 10.971 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VV028549.D

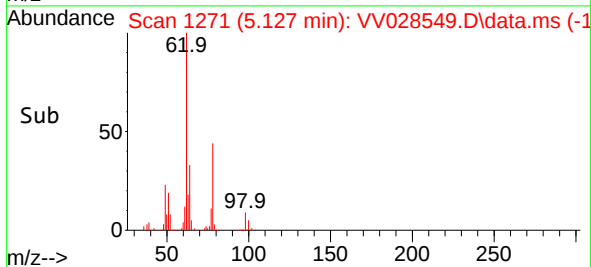
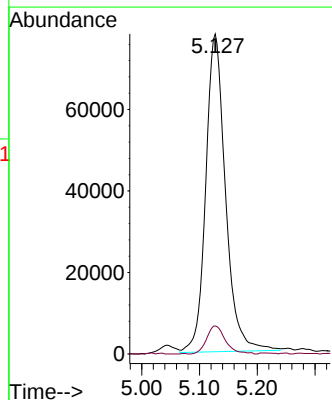
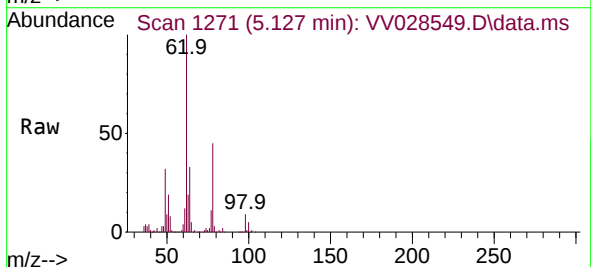
Acq: 14 Oct 2022 13:20

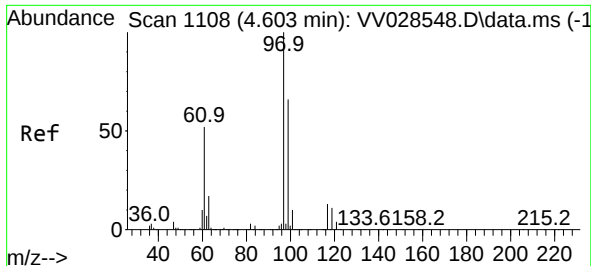
Tgt Ion: 62 Resp: 185619

Ion Ratio Lower Upper

62 100

98 8.8 5.9 8.9





#29

1,1,1-Trichloroethane

Concen: 10.120 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010261

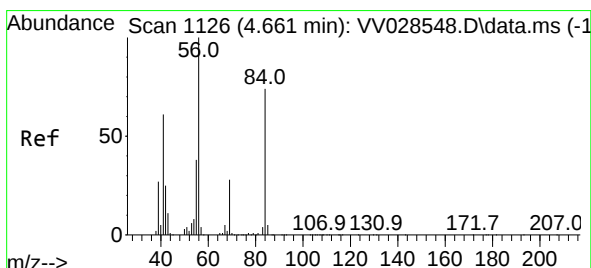
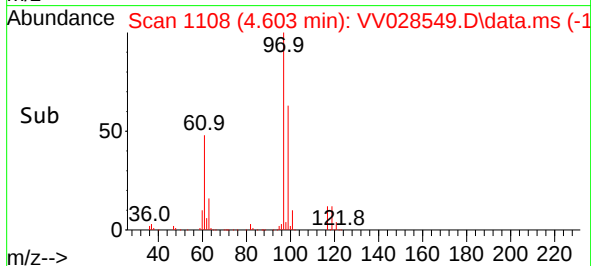
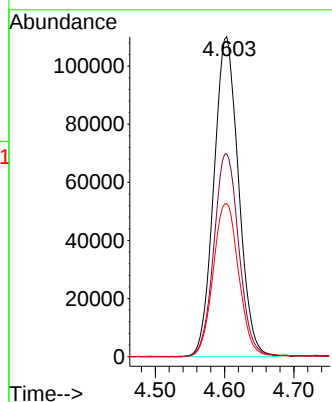
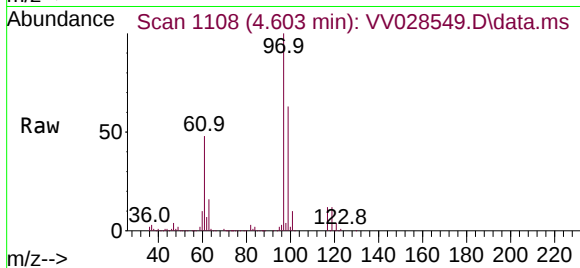
Tgt Ion: 97 Resp: 272777

Ion Ratio Lower Upper

97 100

99 64.1 52.6 78.8

61 49.9 42.1 63.1



#30

Cyclohexane

Concen: 12.087 ug/L

RT: 4.671 min Scan# 1129

Delta R.T. 0.010 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

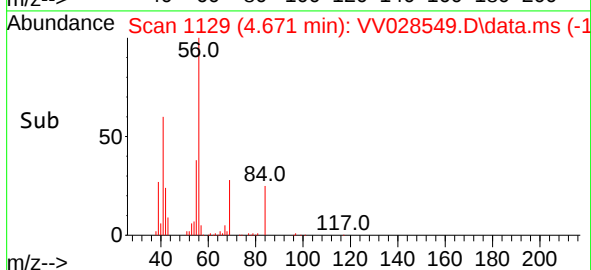
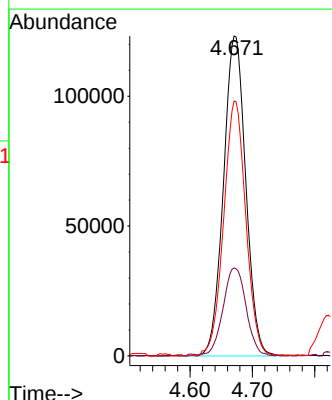
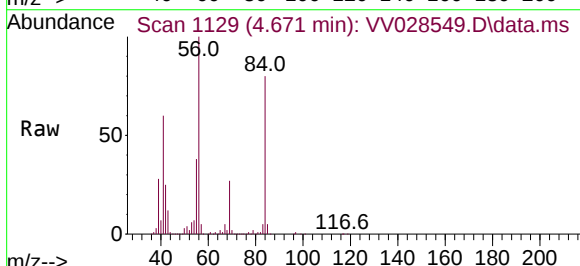
Tgt Ion: 56 Resp: 305890

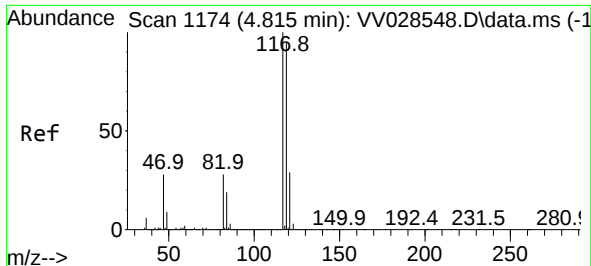
Ion Ratio Lower Upper

56 100

69 28.6 22.4 33.6

84 79.1 60.1 90.1

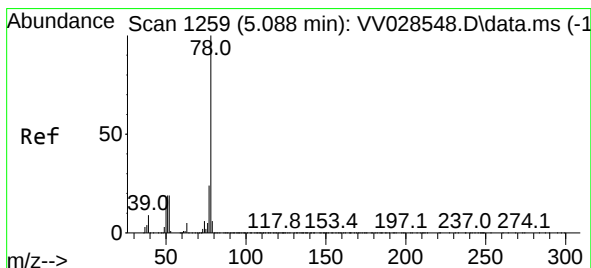
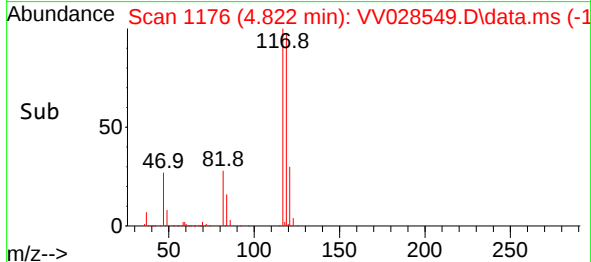
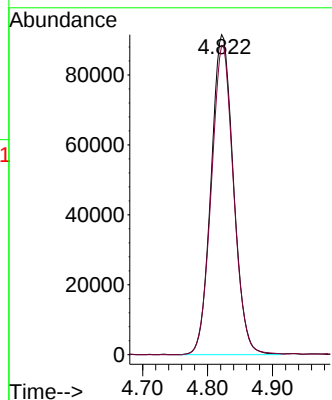
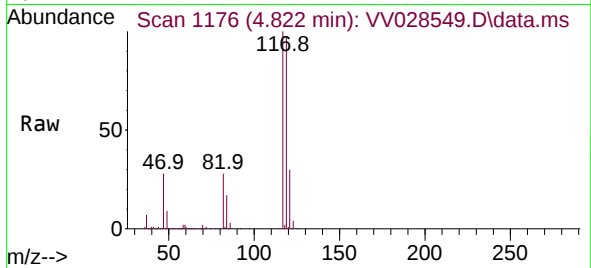




#31  
Carbon tetrachloride  
Concen: 9.190 ug/L  
RT: 4.822 min Scan# 1174  
Delta R.T. 0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

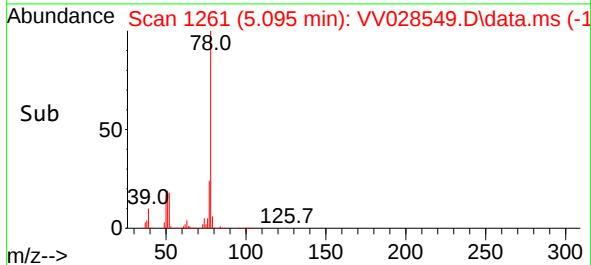
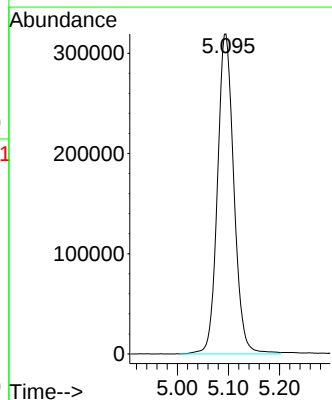
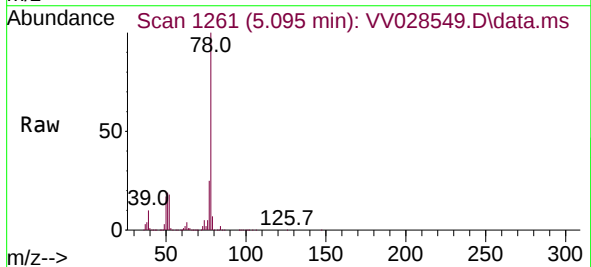
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

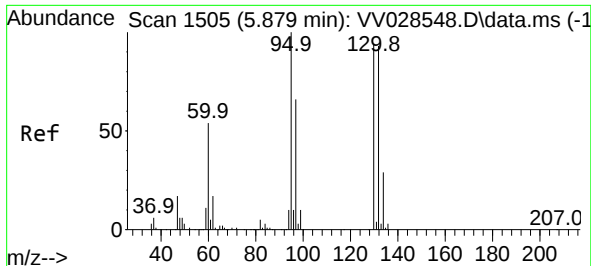
Tgt Ion:117 Resp: 218593  
Ion Ratio Lower Upper  
117 100  
119 96.4 75.5 113.3



#33  
Benzene  
Concen: 10.825 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 78 Resp: 712407

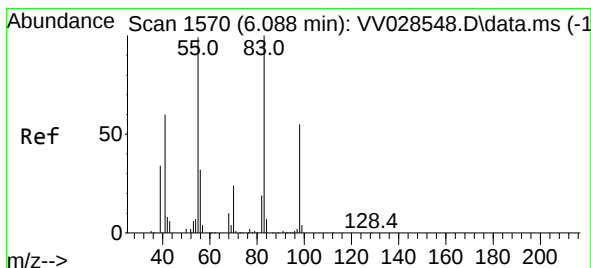
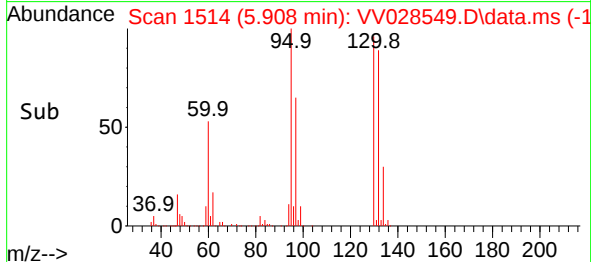
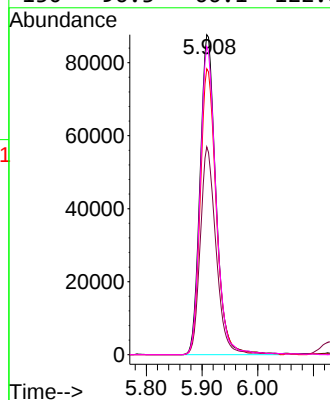
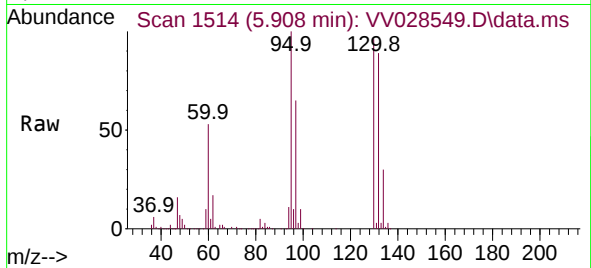




#34  
Trichloroethene  
Concen: 10.929 ug/L  
RT: 5.908 min Scan# 11  
Delta R.T. 0.029 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

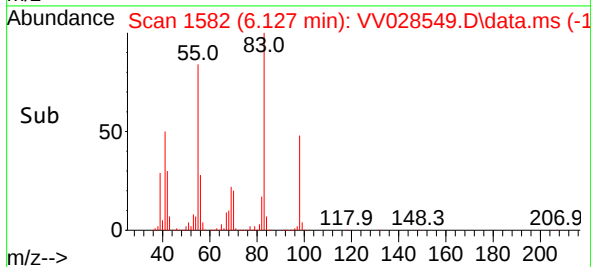
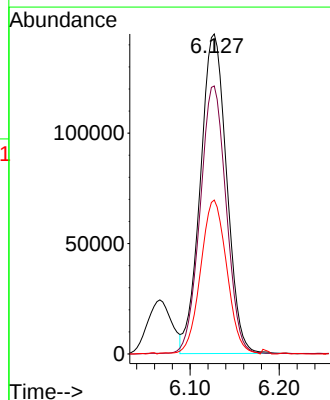
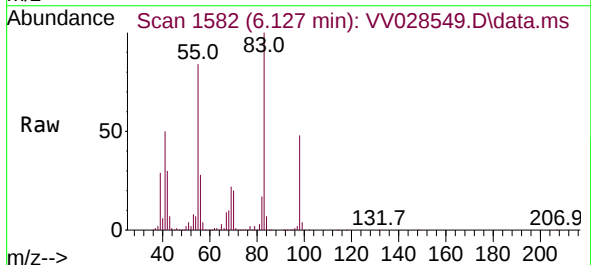
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

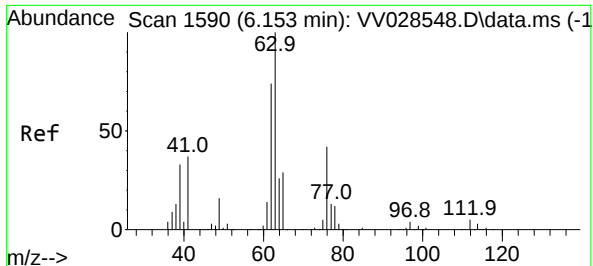
Tgt Ion: 95 Resp: 173625  
Ion Ratio Lower Upper  
95 100  
97 65.0 46.2 85.8  
132 89.3 65.1 120.9  
130 96.3 66.1 122.8



#35  
Methylcyclohexane  
Concen: 11.355 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.039 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 83 Resp: 297051  
Ion Ratio Lower Upper  
83 100  
55 83.6 65.0 97.6  
98 47.9 36.4 54.6





#37

1,2-Dichloropropane

Concen: 12.519 ug/L

RT: 6.169 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

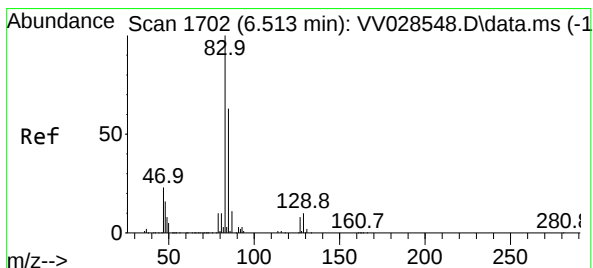
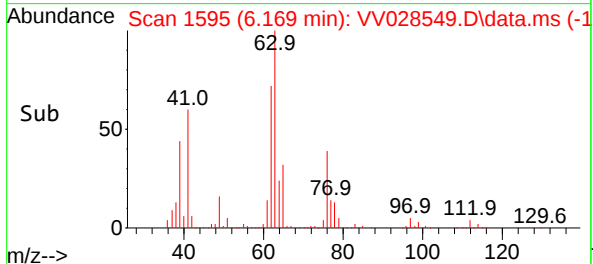
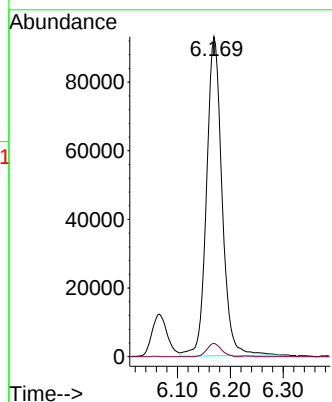
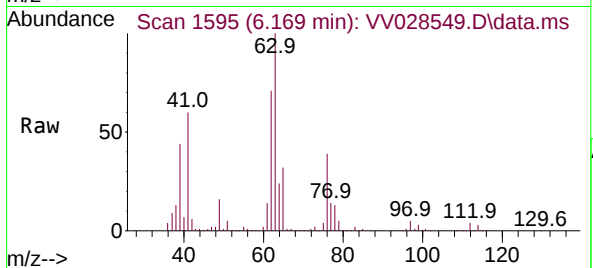
VSTD010261

Tgt Ion: 63 Resp: 189219

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.2



#38

Bromodichloromethane

Concen: 11.098 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.006 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

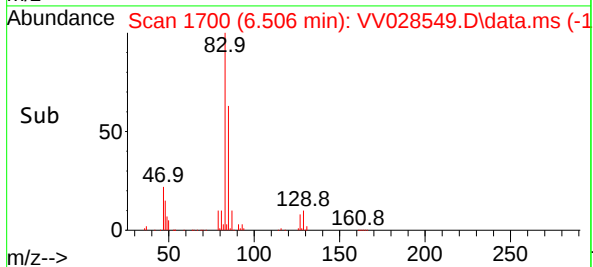
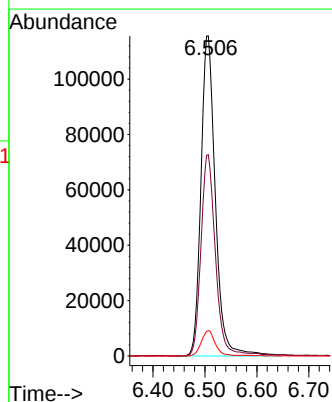
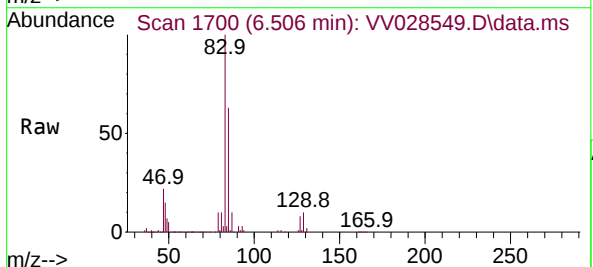
Tgt Ion: 83 Resp: 222965

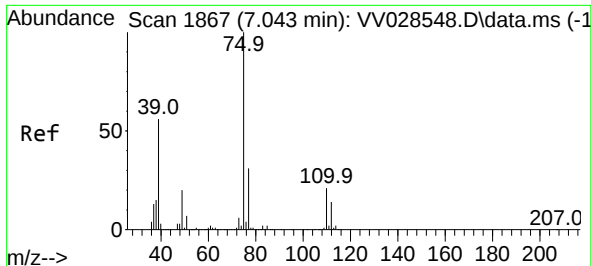
Ion Ratio Lower Upper

83 100

85 62.9 44.2 82.0

127 8.0 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 12.536 ug/L

RT: 7.021 min Scan# 11

Delta R.T. -0.022 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

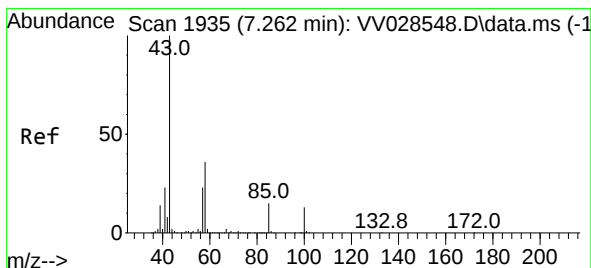
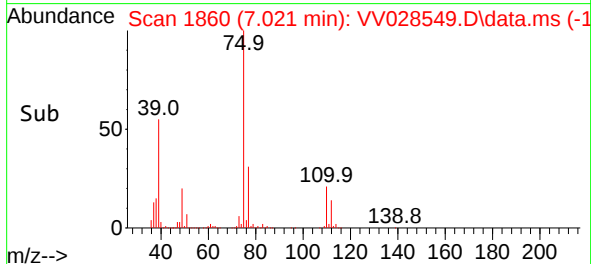
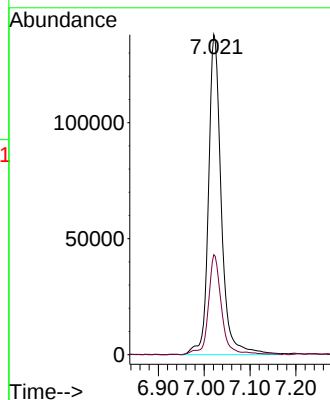
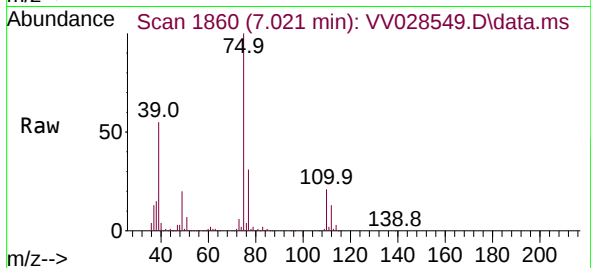
VSTD010261

Tgt Ion: 75 Resp: 268359

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 149.794 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.039 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

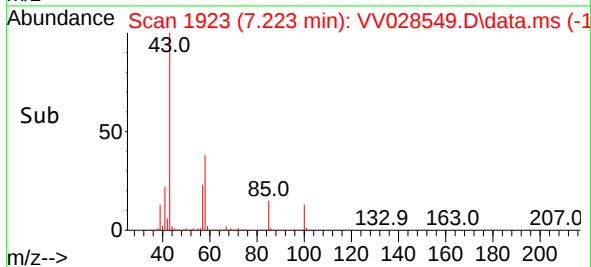
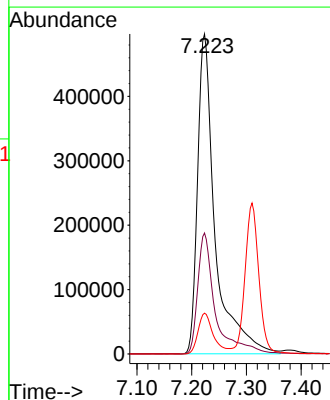
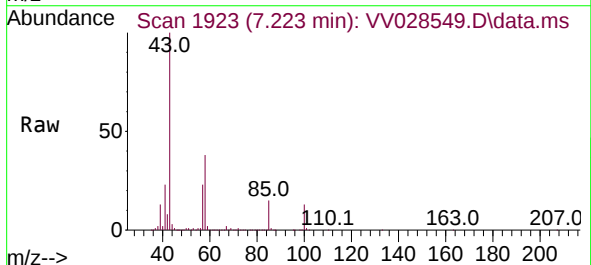
Tgt Ion: 43 Resp: 1105392

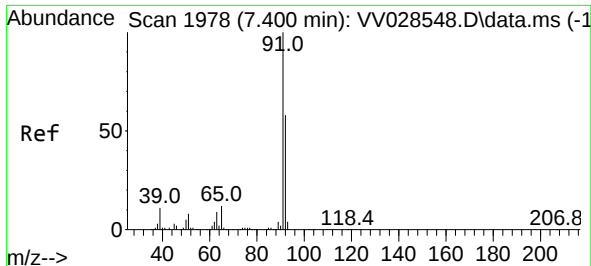
Ion Ratio Lower Upper

43 100

58 38.2 29.3 43.9

100 11.2 10.0 15.0

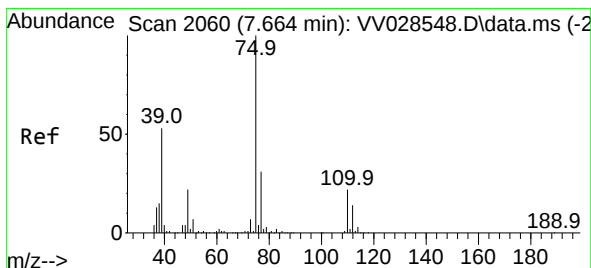
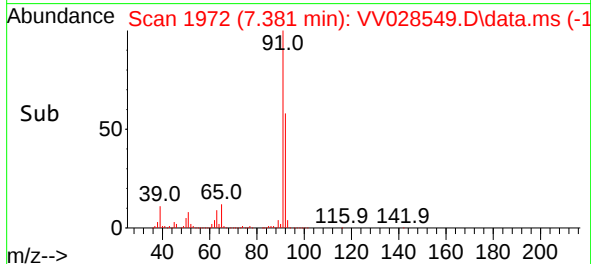
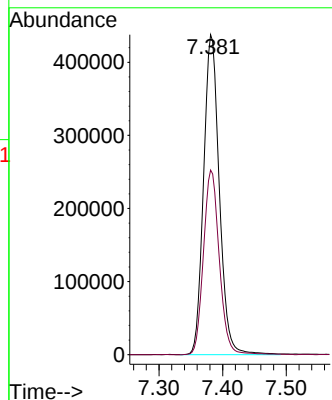
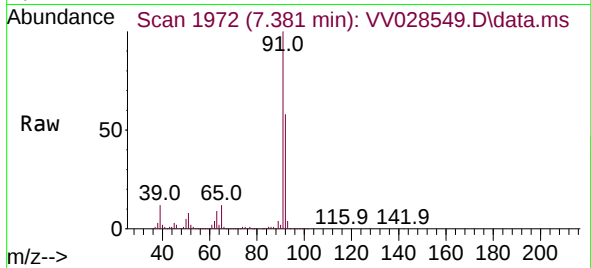




#42  
Toluene  
Concen: 11.415 ug/L  
RT: 7.381 min Scan# 1978  
Delta R.T. -0.019 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

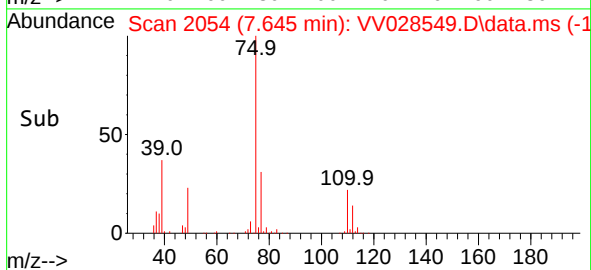
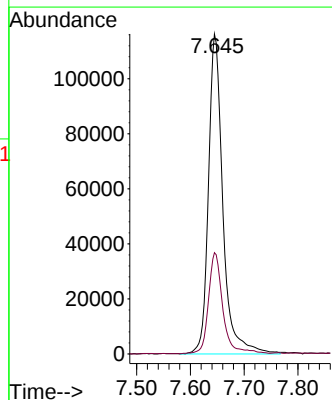
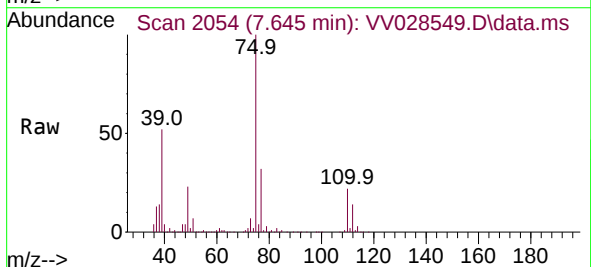
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

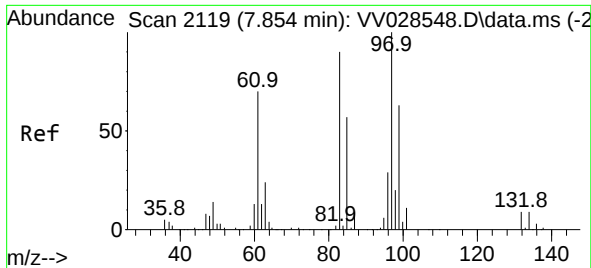
Tgt Ion: 91 Resp: 753167  
Ion Ratio Lower Upper  
91 100  
92 57.7 40.7 75.5



#44  
trans-1,3-Dichloropropene  
Concen: 12.089 ug/L  
RT: 7.645 min Scan# 2054  
Delta R.T. -0.019 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 75 Resp: 216602  
Ion Ratio Lower Upper  
75 100  
77 31.7 21.7 40.3



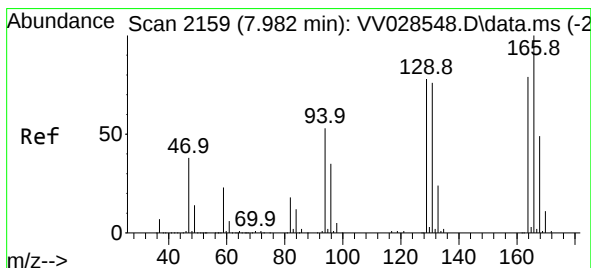
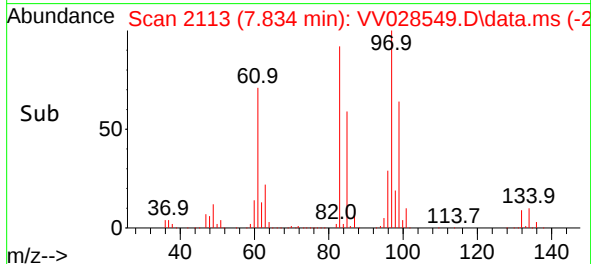
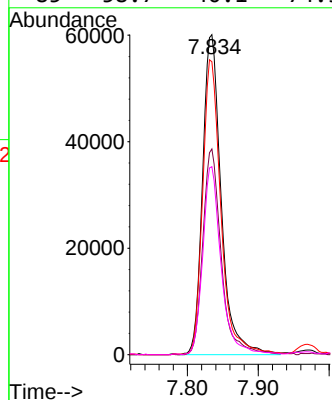
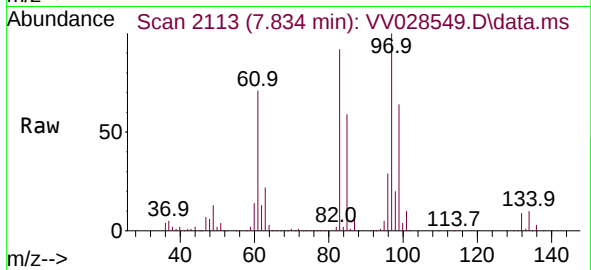


#45  
1,1,2-Trichloroethane  
Concen: 10.317 ug/L  
RT: 7.834 min Scan# 2113  
Delta R.T. -0.019 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

Tgt Ion: 97 Resp: 110052

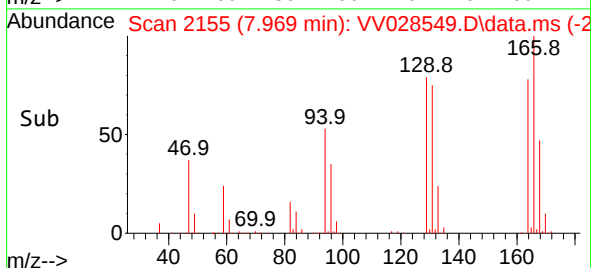
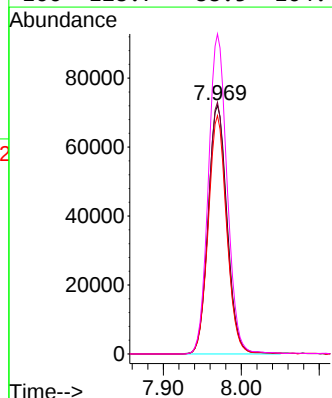
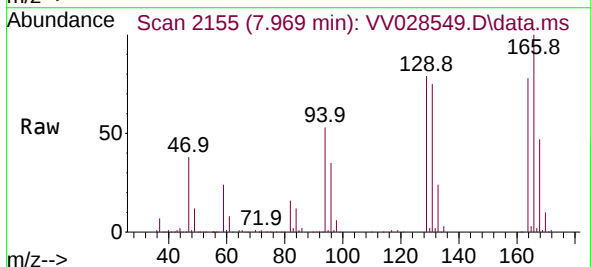
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.3  | 44.4  | 82.4  |
| 83  | 91.6  | 63.1  | 117.1 |
| 85  | 58.7  | 40.1  | 74.5  |

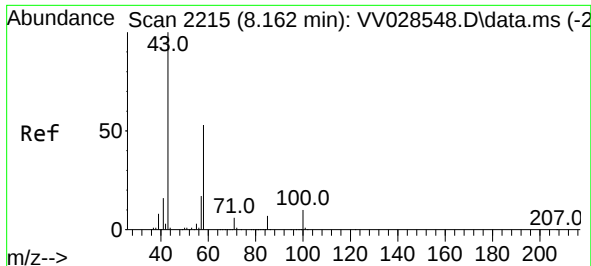


#47  
Tetrachloroethene  
Concen: 9.315 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. -0.013 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 164 Resp: 121828

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 101.2 | 69.3  | 128.7 |
| 131 | 95.9  | 67.3  | 125.1 |
| 166 | 128.7 | 88.5  | 164.4 |

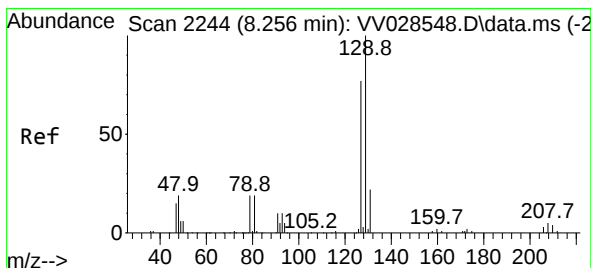
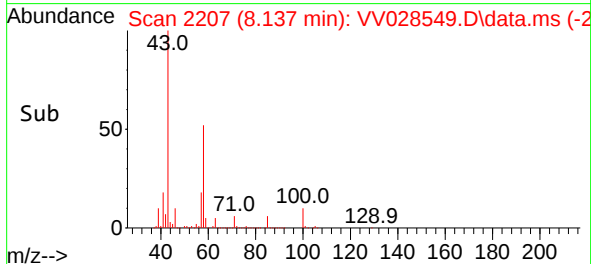
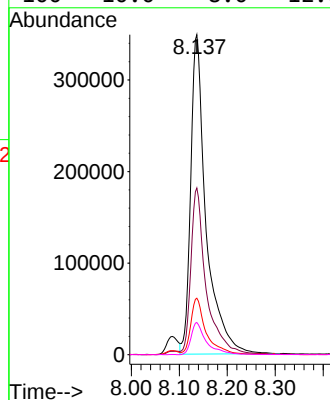
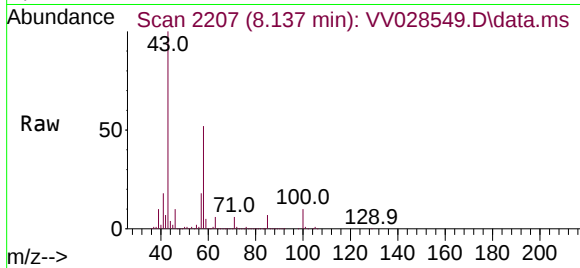




#48  
2-Hexanone  
Concen: 154.621 ug/L  
RT: 8.137 min Scan# 21  
Delta R.T. -0.026 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

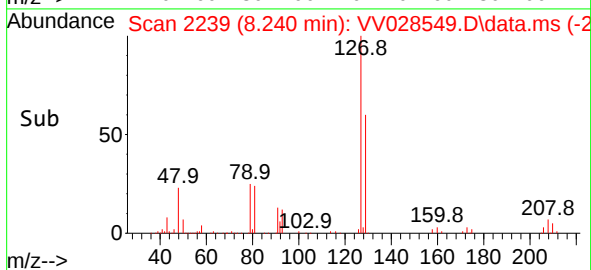
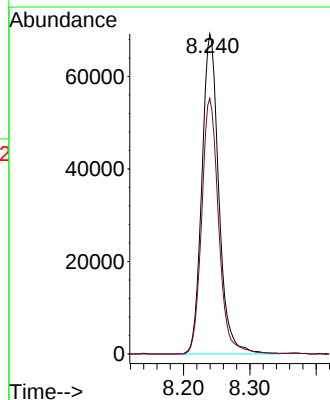
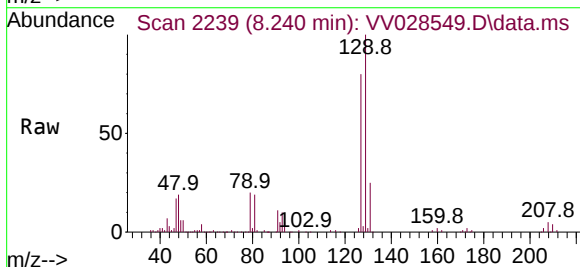
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

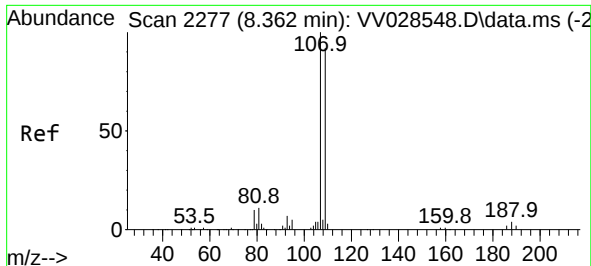
Tgt Ion: 43 Resp: 778682  
Ion Ratio Lower Upper  
43 100  
58 51.5 42.5 63.7  
57 17.3 14.5 21.7  
100 10.0 8.0 12.0



#49  
Dibromochloromethane  
Concen: 9.504 ug/L  
RT: 8.240 min Scan# 2239  
Delta R.T. -0.016 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 129 Resp: 122560  
Ion Ratio Lower Upper  
129 100  
127 79.8 53.8 100.0





#50

1,2-Dibromoethane

Concen: 10.472 ug/L

RT: 8.346 min Scan# 21

Delta R.T. -0.016 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010261

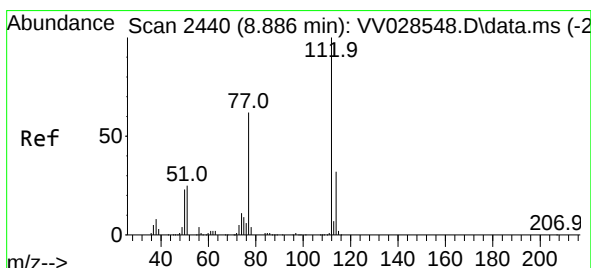
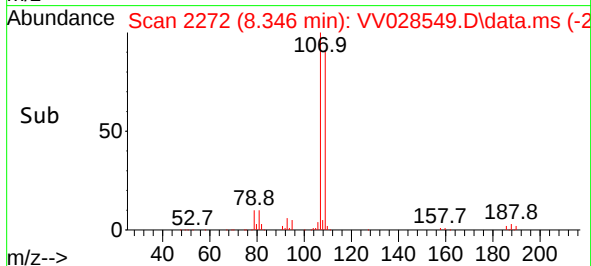
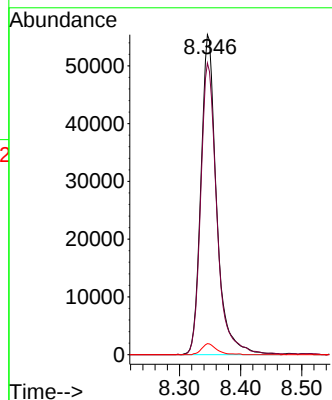
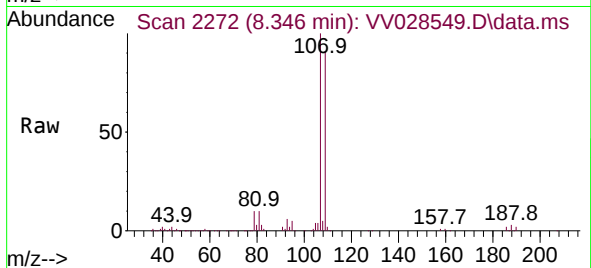
Tgt Ion:107 Resp: 98728

Ion Ratio Lower Upper

107 100

109 91.1 64.1 119.1

188 3.4 3.3 4.9



#51

Chlorobenzene

Concen: 10.640 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. -0.013 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

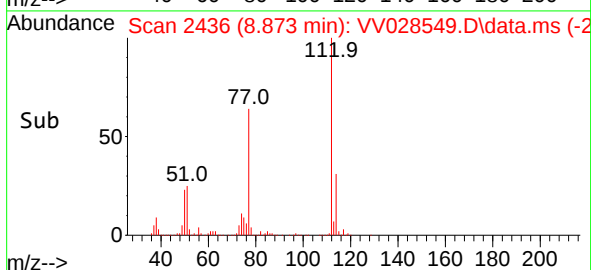
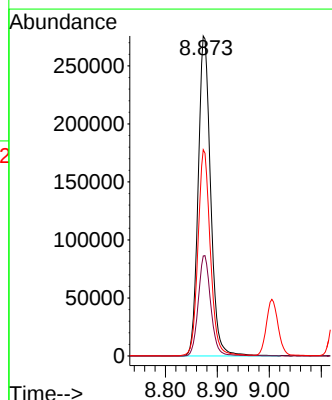
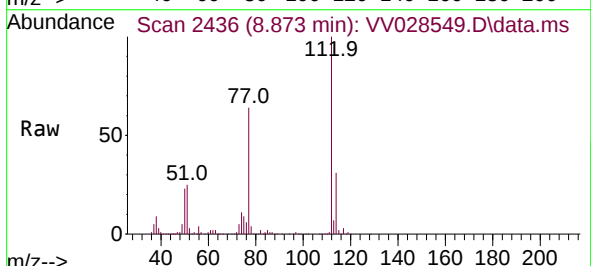
Tgt Ion:112 Resp: 458895

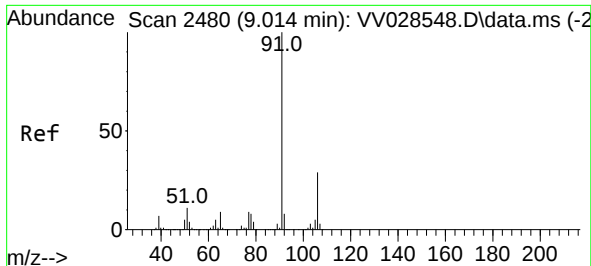
Ion Ratio Lower Upper

112 100

114 31.3 22.4 41.6

77 64.5 50.2 75.2

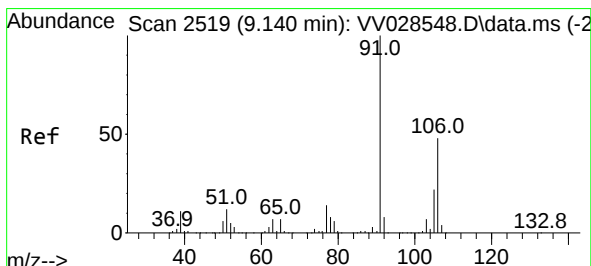
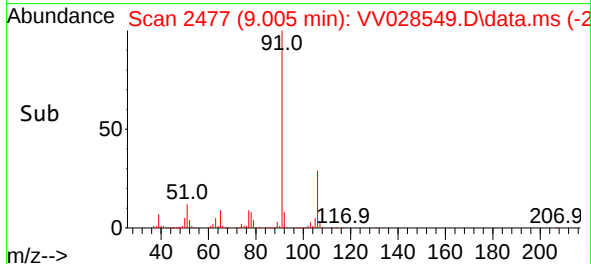
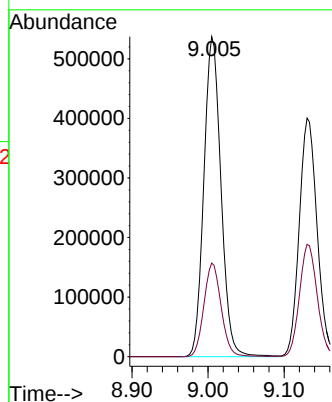
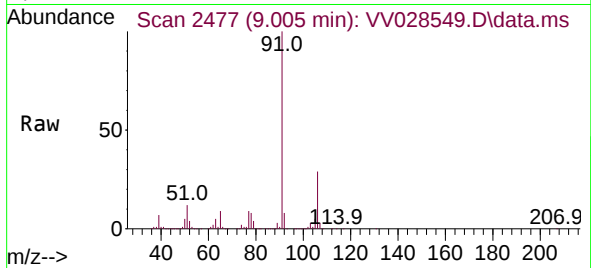




#52  
Ethylbenzene  
Concen: 12.068 ug/L  
RT: 9.005 min Scan# 2480  
Delta R.T. -0.010 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

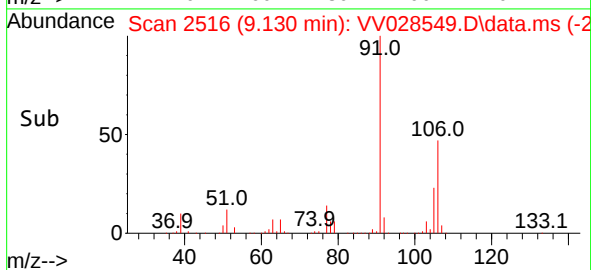
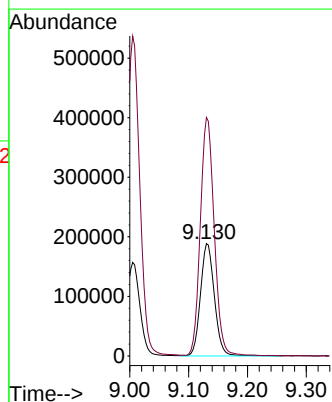
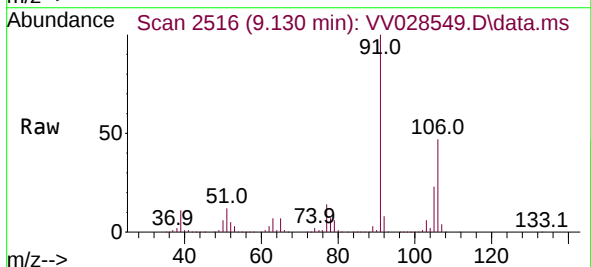
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

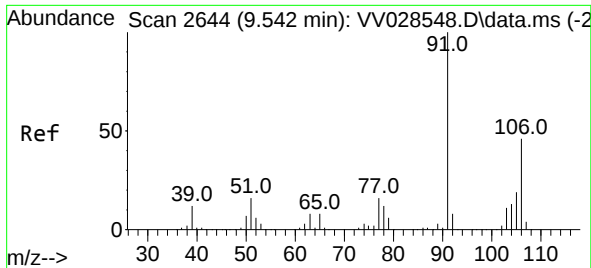
Tgt Ion: 91 Resp: 841803  
Ion Ratio Lower Upper  
91 100  
106 29.3 20.3 37.7



#53  
m,p-Xylene  
Concen: 11.391 ug/L  
RT: 9.130 min Scan# 2516  
Delta R.T. -0.010 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 106 Resp: 309356  
Ion Ratio Lower Upper  
106 100  
91 212.3 146.9 272.9

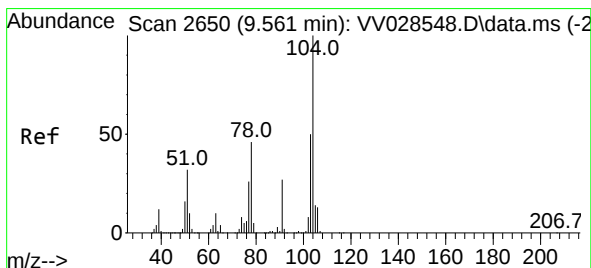
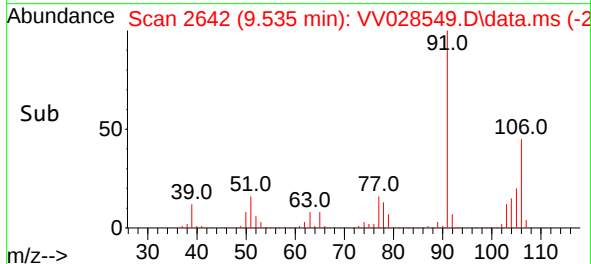
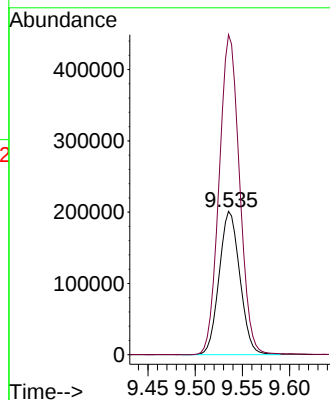
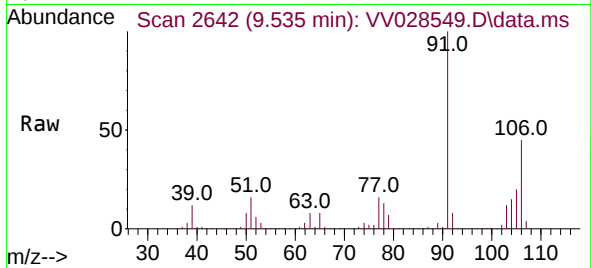




#54  
o-Xylene  
Concen: 11.759 ug/L  
RT: 9.535 min Scan# 2642  
Delta R.T. -0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

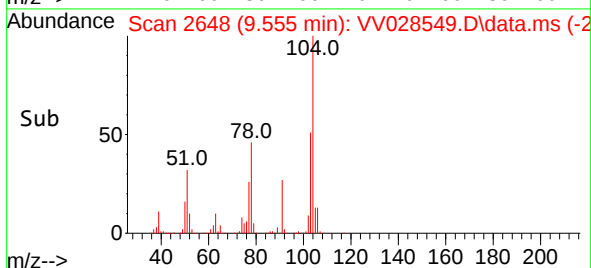
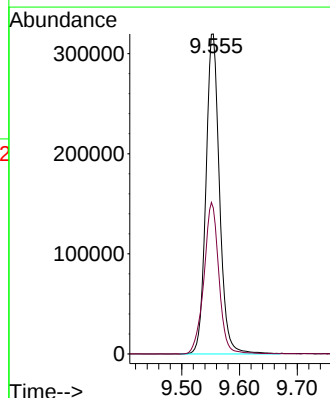
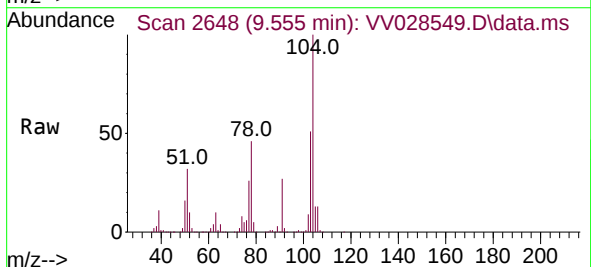
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

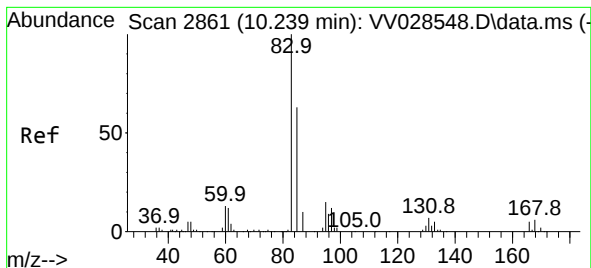
Tgt Ion:106 Resp: 306476  
Ion Ratio Lower Upper  
106 100  
91 223.3 151.4 281.2



#55  
Styrene  
Concen: 11.837 ug/L  
RT: 9.555 min Scan# 2648  
Delta R.T. -0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion:104 Resp: 523446  
Ion Ratio Lower Upper  
104 100  
78 45.6 32.3 60.1

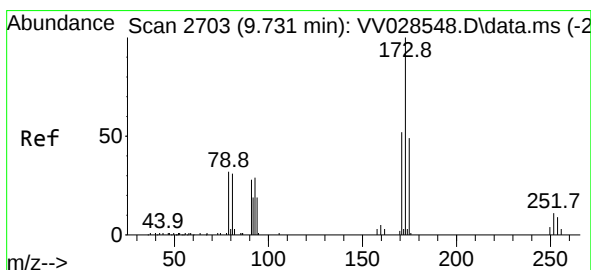
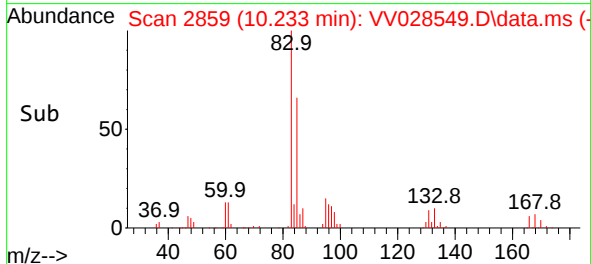
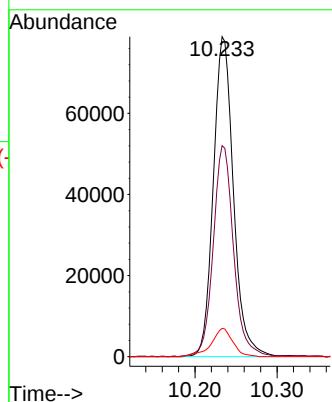
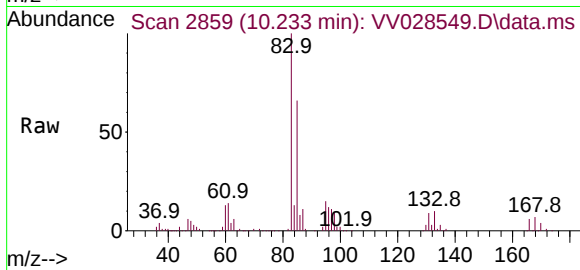




#57  
1,1,2,2-Tetrachloroethane  
Concen: 11.140 ug/L  
RT: 10.233 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

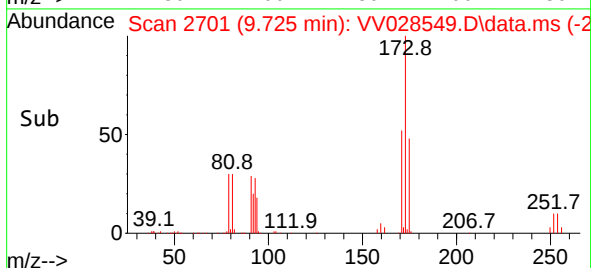
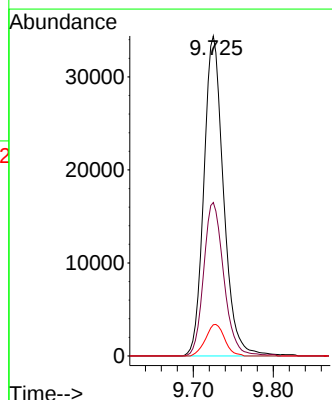
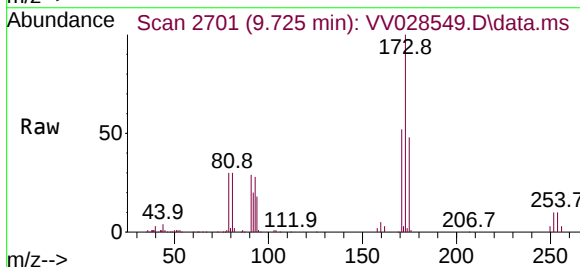
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

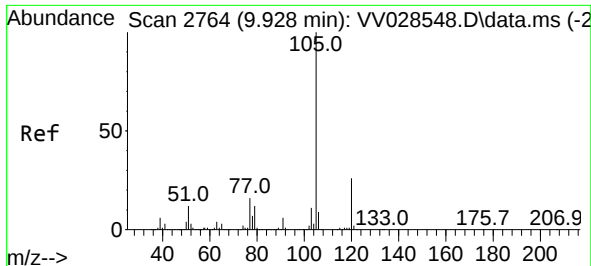
Tgt Ion: 83 Resp: 134449  
Ion Ratio Lower Upper  
83 100  
85 66.0 44.3 82.3  
131 8.9 6.4 9.6



#59  
Bromoform  
Concen: 8.981 ug/L  
RT: 9.725 min Scan# 2701  
Delta R.T. -0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 173 Resp: 58996  
Ion Ratio Lower Upper  
173 100  
175 49.0 39.4 59.0  
254 9.6 7.4 11.2

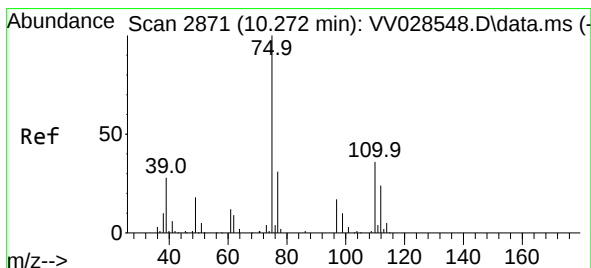
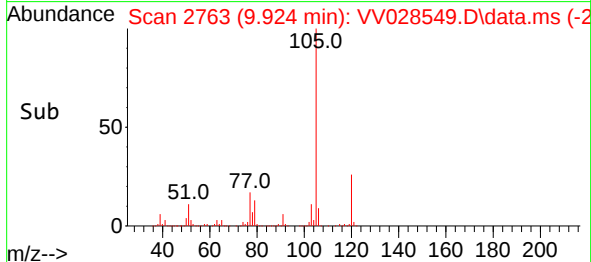
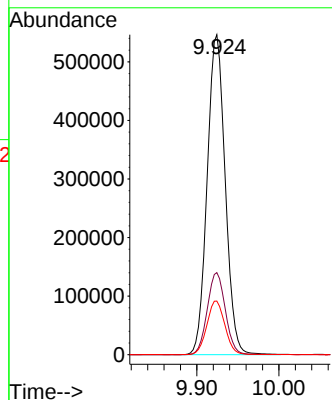
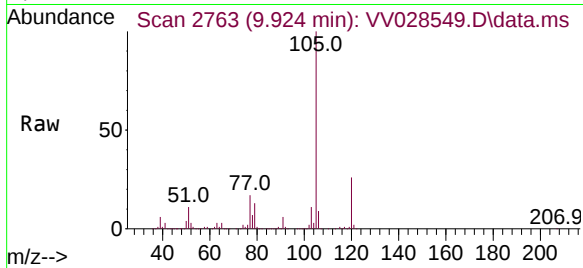




#60  
Isopropylbenzene  
Concen: 12.516 ug/L  
RT: 9.924 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

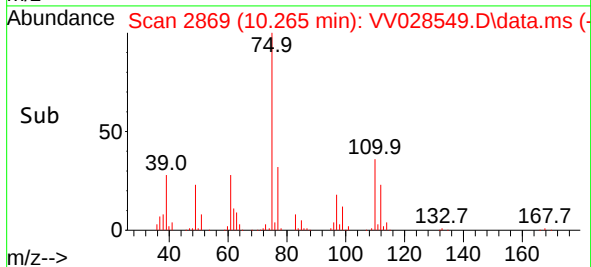
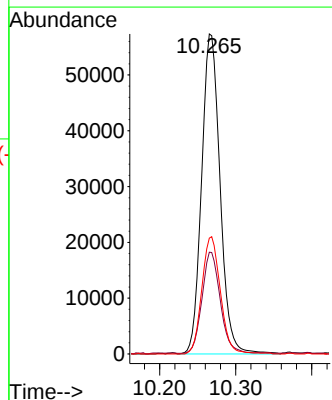
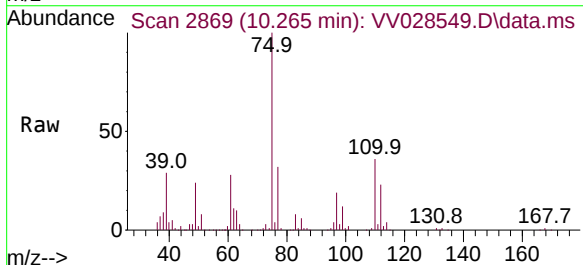
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

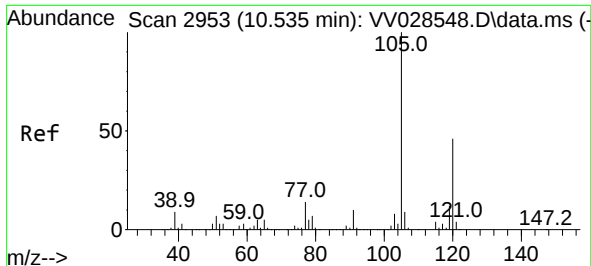
Tgt Ion:105 Resp: 835002  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.7 31.1  
77 16.8 13.1 19.7



#61  
1,2,3-Trichloropropane  
Concen: 11.607 ug/L  
RT: 10.265 min Scan# 2869  
Delta R.T. -0.006 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion: 75 Resp: 96791  
Ion Ratio Lower Upper  
75 100  
77 31.2 24.6 37.0  
110 36.6 28.3 42.5





#62

1,3,5-Trimethylbenzene

Concen: 12.912 ug/L

RT: 10.532 min Scan# 2953

Delta R.T. -0.003 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

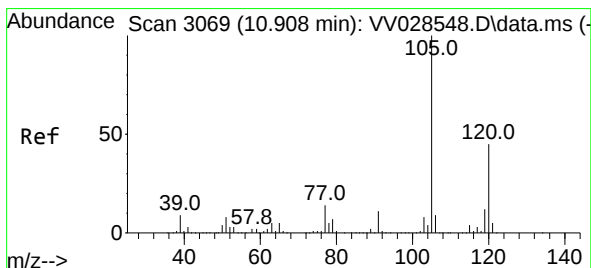
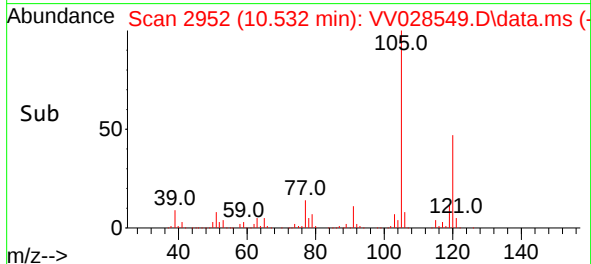
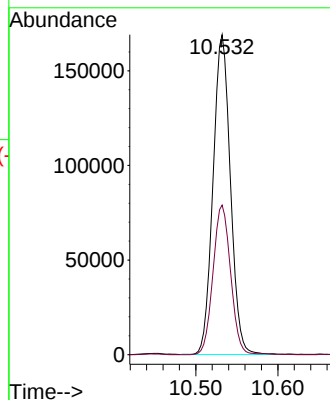
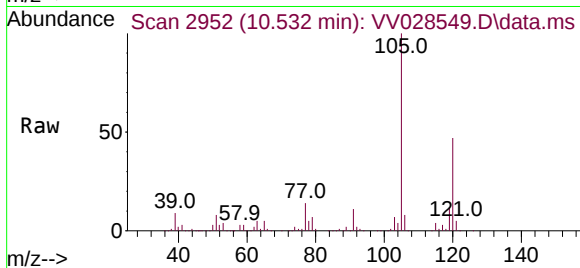
VSTD010261

Tgt Ion:105 Resp: 249158

Ion Ratio Lower Upper

105 100

120 47.5 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 12.785 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. -0.003 min

Lab File: VV028549.D

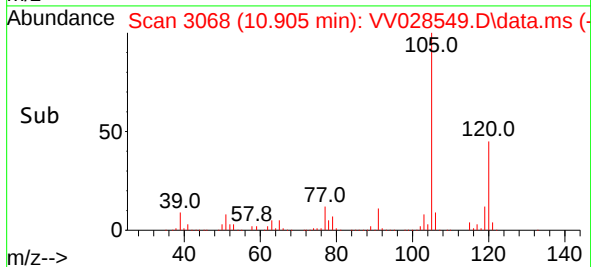
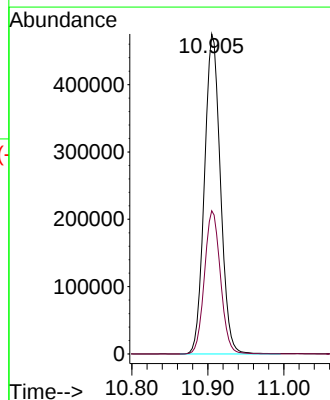
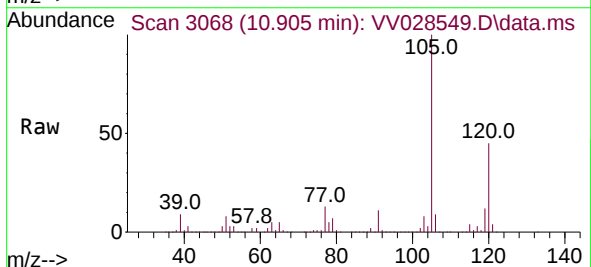
Acq: 14 Oct 2022 13:20

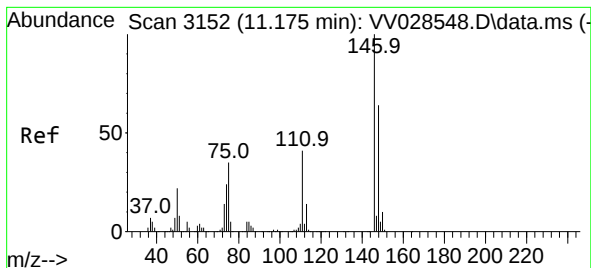
Tgt Ion:105 Resp: 694037

Ion Ratio Lower Upper

105 100

120 44.8 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 10.951 ug/L

RT: 11.172 min Scan# 3152

Delta R.T. -0.003 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010261

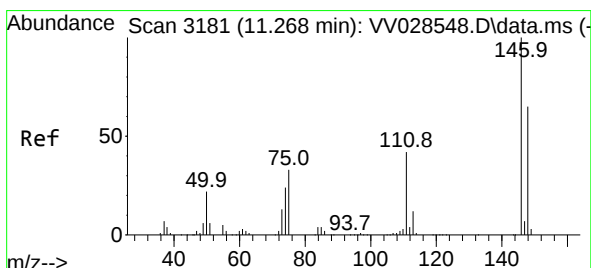
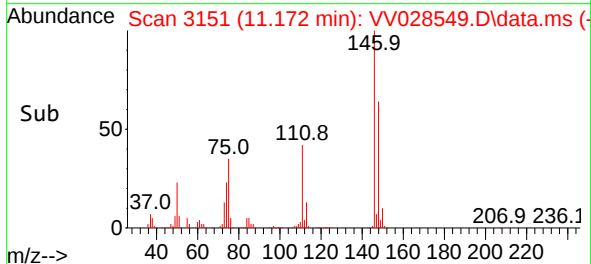
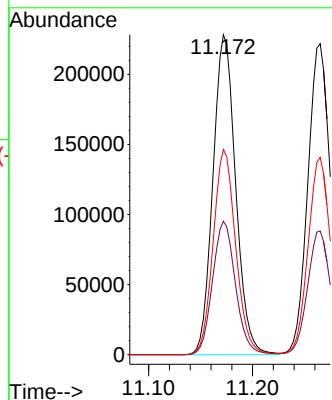
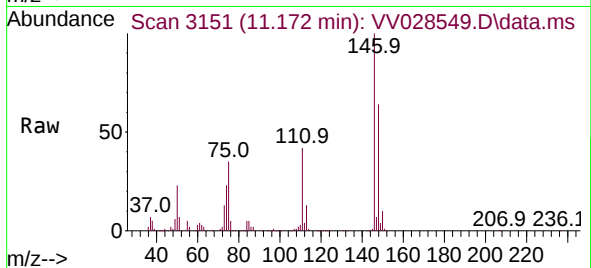
Tgt Ion:146 Resp: 346992

Ion Ratio Lower Upper

146 100

111 41.7 28.5 52.9

148 64.1 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 10.907 ug/L

RT: 11.265 min Scan# 3180

Delta R.T. -0.003 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

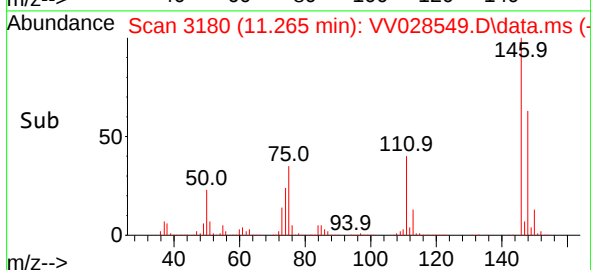
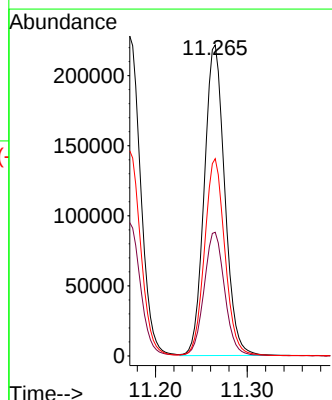
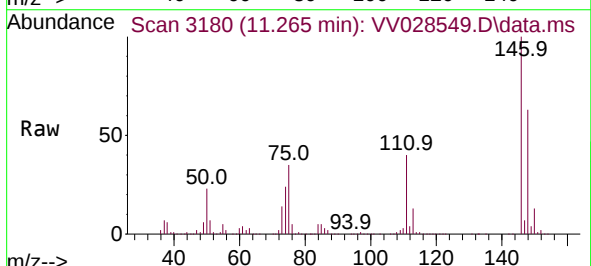
Tgt Ion:146 Resp: 344056

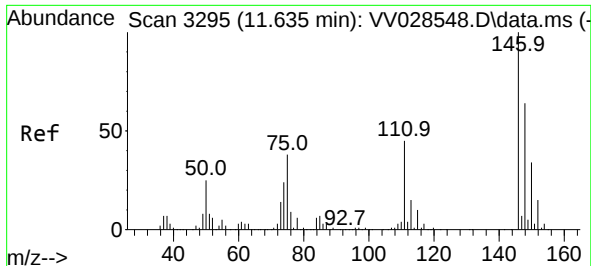
Ion Ratio Lower Upper

146 100

111 39.8 29.4 54.6

148 63.4 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 10.737 ug/L

RT: 11.635 min Scan# 3295

Delta R.T. 0.000 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010261

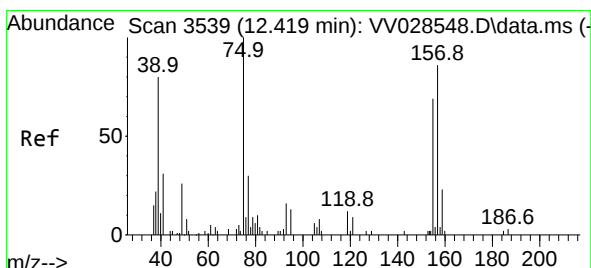
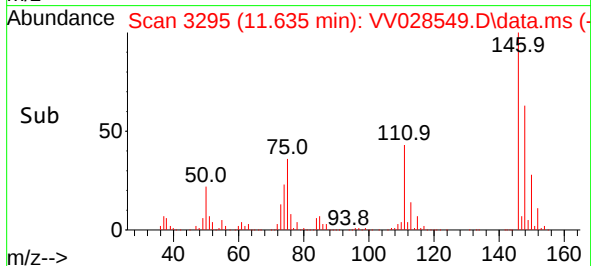
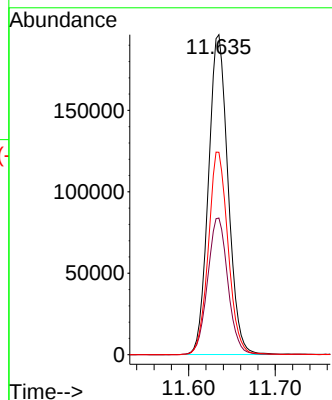
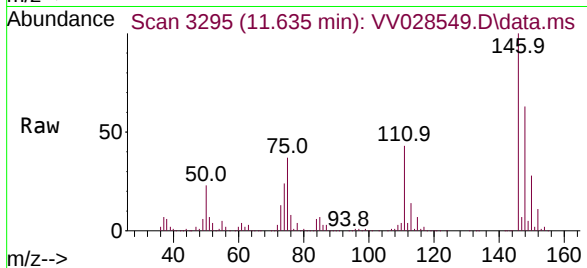
Tgt Ion:146 Resp: 309102

Ion Ratio Lower Upper

146 100

111 42.7 35.7 53.5

148 63.2 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 10.710 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

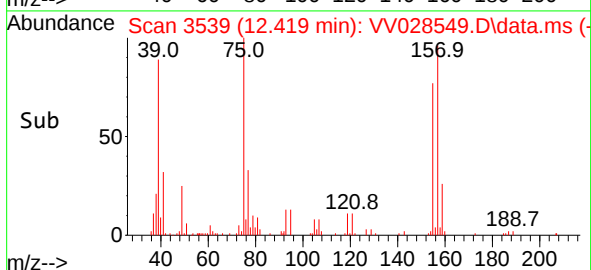
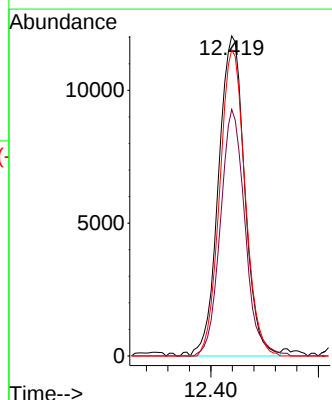
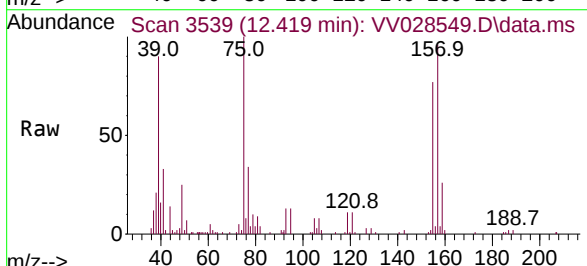
Tgt Ion: 75 Resp: 20355

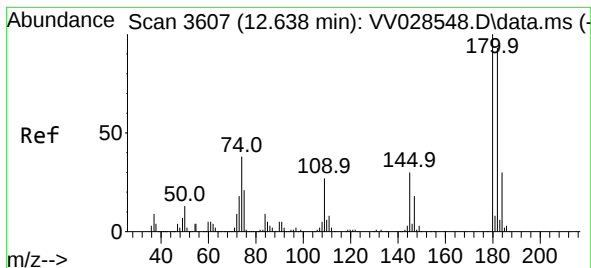
Ion Ratio Lower Upper

75 100

155 77.1 55.2 82.8

157 95.8 68.6 103.0





#69

1,3,5-Trichlorobenzene

Concen: 10.447 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. -0.003 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010261

Tgt Ion:180 Resp: 260577

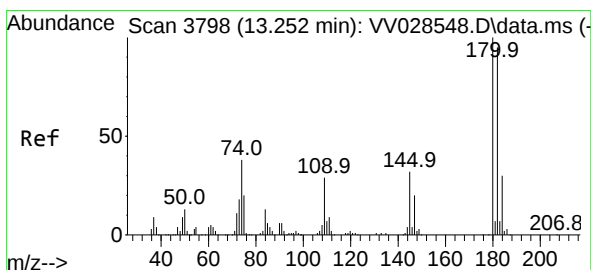
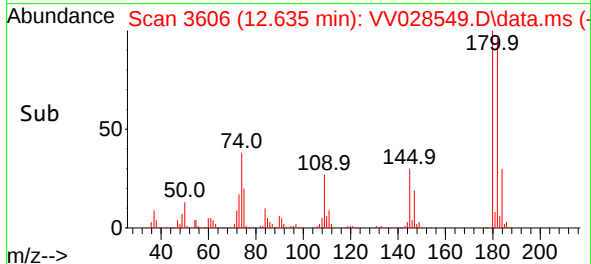
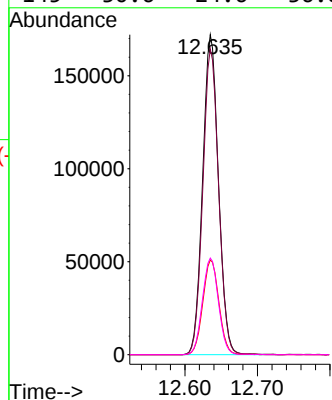
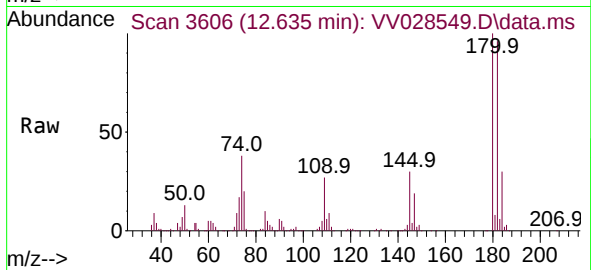
Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

184 30.1 23.8 35.8

145 30.6 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 10.864 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. -0.003 min

Lab File: VV028549.D

Acq: 14 Oct 2022 13:20

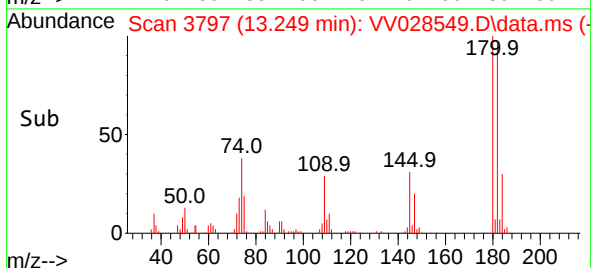
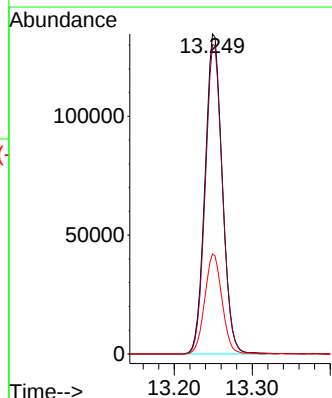
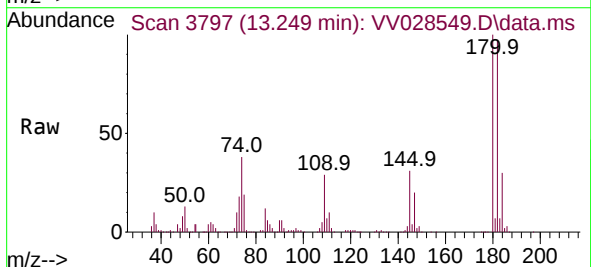
Tgt Ion:180 Resp: 207257

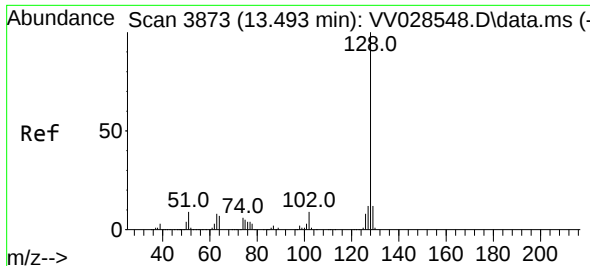
Ion Ratio Lower Upper

180 100

182 96.2 74.2 111.2

145 31.2 25.3 37.9

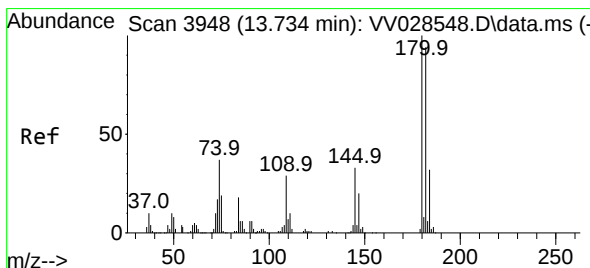
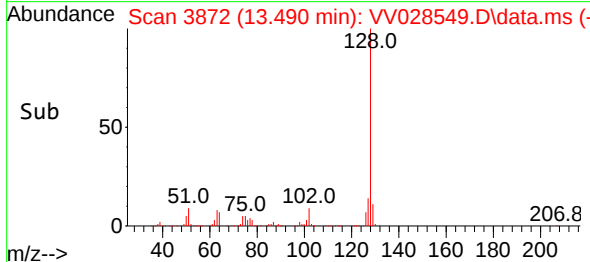
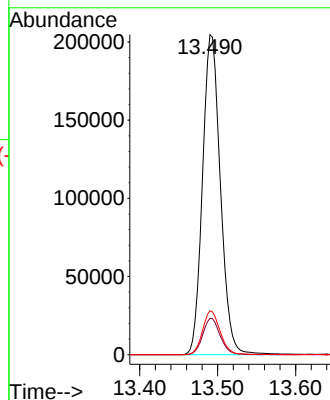
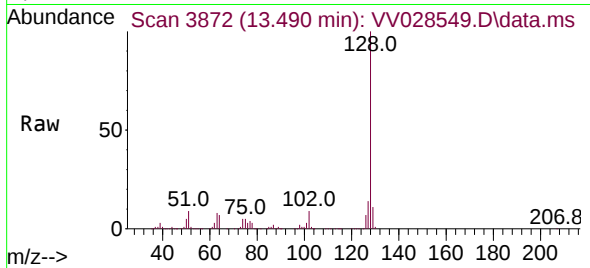




#71  
Naphthalene  
Concen: 10.802 ug/L  
RT: 13.490 min Scan# 3873  
Delta R.T. -0.003 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010261

Tgt Ion:128 Resp: 326365  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.0 13.6  
127 13.4 10.1 15.1



#72  
1,2,3-Trichlorobenzene  
Concen: 10.340 ug/L  
RT: 13.731 min Scan# 3947  
Delta R.T. -0.003 min  
Lab File: VV028549.D  
Acq: 14 Oct 2022 13:20

Tgt Ion:180 Resp: 175509  
Ion Ratio Lower Upper  
180 100  
182 93.5 76.3 114.5  
145 32.9 25.8 38.8

