

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051324\  
 Data File : VY018243.D  
 Acq On : 13 May 2024 15:48  
 Operator : SY/MD  
 Sample : P2403-02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: May 14 03:03:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 14 03:01:34 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 184148   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 323236   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 275236   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 121171   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 80571    | 59.474   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 118.940% |      |
| 35) Dibromofluoromethane    | 7.710  | 113   | 91144    | 53.653   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 107.300% |      |
| 50) Toluene-d8              | 10.179 | 98    | 359956   | 53.772   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 107.540% |      |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 111890   | 51.757   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 103.520% |      |

|                              |       |     |       |        |        |     |
|------------------------------|-------|-----|-------|--------|--------|-----|
| Target Compounds             |       |     |       |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 4971  | 3.404  | ug/l   | 96  |
| 3) Chloromethane             | 2.107 | 50  | 7741  | 3.960  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.241 | 62  | 8720  | 3.680  | ug/l   | 98  |
| 5) Bromomethane              | 2.644 | 94  | 6798  | 4.131  | ug/l   | 100 |
| 6) Chloroethane              | 2.784 | 64  | 5745  | 3.820  | ug/l   | 92  |
| 7) Trichlorofluoromethane    | 3.119 | 101 | 8655  | 3.118  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.528 | 74  | 3433  | 3.757  | ug/l   | 96  |
| 9) 1,1,2-Trichlorotrifluo... | 3.887 | 101 | 5362  | 3.031  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.082 | 142 | 6091  | 2.949  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.911 | 59  | 2735  | 20.198 | ug/l # | 90  |
| 12) 1,1-Dichloroethene       | 3.857 | 96  | 5820  | 3.268  | ug/l # | 74  |
| 13) Acrolein                 | 3.710 | 56  | 3837  | 26.276 | ug/l   | 93  |
| 14) Allyl chloride           | 4.460 | 41  | 7536  | 3.326  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.149 | 53  | 6674  | 18.992 | ug/l   | 96  |
| 16) Acetone                  | 3.936 | 43  | 5765  | 21.324 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.186 | 76  | 17498 | 3.609  | ug/l   | 96  |
| 18) Methyl Acetate           | 4.466 | 43  | 4009  | 5.206  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 5.204 | 73  | 13094 | 3.301  | ug/l # | 88  |
| 20) Methylene Chloride       | 4.704 | 84  | 28809 | 15.076 | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 6567  | 3.479  | ug/l # | 66  |
| 22) Diisopropyl ether        | 6.112 | 45  | 16433 | 3.419  | ug/l # | 95  |
| 23) Vinyl Acetate            | 6.051 | 43  | 48223 | 16.509 | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.003 | 63  | 9809  | 3.314  | ug/l   | 94  |
| 25) 2-Butanone               | 6.978 | 43  | 8909  | 20.616 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 6.972 | 77  | 9742  | 3.636  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 7295  | 3.270  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.326 | 49  | 4452  | 3.763  | ug/l # | 89  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 5594  | 19.610 | ug/l   | 92  |
| 30) Chloroform               | 7.496 | 83  | 9879  | 3.197  | ug/l   | 90  |
| 31) Cyclohexane              | 7.777 | 56  | 12401 | 4.413  | ug/l # | 72  |
| 32) 1,1,1-Trichloroethane    | 7.698 | 97  | 9400  | 3.394  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.911 | 75  | 7311  | 3.002  | ug/l   | 91  |
| 37) Ethyl Acetate            | 7.070 | 43  | 3659  | 3.570  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.893 | 117 | 7940  | 2.984  | ug/l   | 90  |
| 39) Methylcyclohexane        | 9.173 | 83  | 10657 | 3.033  | ug/l   | 91  |
| 40) Benzene                  | 8.161 | 78  | 24264 | 3.098  | ug/l   | 93  |

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 Sample : P2403-02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: May 14 03:03:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 14 03:01:34 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.295  | 41   | 1271     | 2.147   | ug/l # | 64       |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 5661     | 3.321   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 6799     | 3.236   | ug/l # | 87       |
| 44) Trichloroethene           | 8.935  | 130  | 5903     | 2.768   | ug/l   | 77       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 5333     | 3.114   | ug/l   | 94       |
| 46) Dibromomethane            | 9.301  | 93   | 3313     | 3.365   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 7378     | 3.031   | ug/l   | 87       |
| 48) Methyl methacrylate       | 9.295  | 41   | 3039     | 3.156   | ug/l # | 92       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 724      | 55.401  | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 17773    | 16.831  | ug/l   | 98       |
| 52) Toluene                   | 10.246 | 92   | 15607    | 3.095   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 6792     | 2.988   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 8242     | 2.966   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 4479     | 3.312   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 5984     | 3.258   | ug/l # | 92       |
| 57) 1,3-Dichloropropane       | 10.795 | 76   | 6974     | 3.168   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 13200    | 15.050  | ug/l   | 91       |
| 59) 2-Hexanone                | 10.831 | 43   | 11438    | 15.492  | ug/l   | 92       |
| 60) Dibromochloromethane      | 10.977 | 129  | 5066     | 2.887   | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 4140     | 3.250   | ug/l   | 94       |
| 64) Tetrachloroethene         | 10.715 | 164  | 5591     | 3.051   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 17158    | 3.061   | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 5256     | 2.899   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 28410    | 3.002   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.703 | 106  | 21797    | 5.824   | ug/l   | 100      |
| 69) o-Xylene                  | 12.032 | 106  | 10651    | 2.965   | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 16738    | 2.790   | ug/l   | 98       |
| 71) Bromoform                 | 12.203 | 173  | 2981     | 2.971   | ug/l # | 86       |
| 73) Isopropylbenzene          | 12.325 | 105  | 26109    | 2.874   | ug/l   | 93       |
| 74) N-amyl acetate            | 12.148 | 43   | 5757     | 3.053   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 4480     | 3.091   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.605 | 75   | 2771     | 2.857   | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 6500     | 3.114   | ug/l   | 94       |
| 78) n-propylbenzene           | 12.666 | 91   | 31717    | 3.001   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 17992    | 3.064   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 20949    | 2.924   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75   | 56576    | 112.386 | ug/l # | 16       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 18442    | 3.127   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 19990    | 3.025   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 20405    | 2.908   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 28164    | 2.906   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 22891    | 2.871   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 12698    | 3.150   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 12561    | 3.197   | ug/l   | 91       |
| 89) n-Butylbenzene            | 13.696 | 91   | 21419    | 2.968   | ug/l   | 97       |
| 90) Hexachloroethane          | 13.959 | 117  | 4904     | 3.135   | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 10284    | 2.969   | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 731      | 3.704   | ug/l   | 76       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 5030     | 2.583   | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 3101     | 2.886   | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 9670     | 2.710   | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 4766     | 2.982   | ug/l   | 97       |

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Sample : P2403-02  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 10 Sample Multiplier: 1

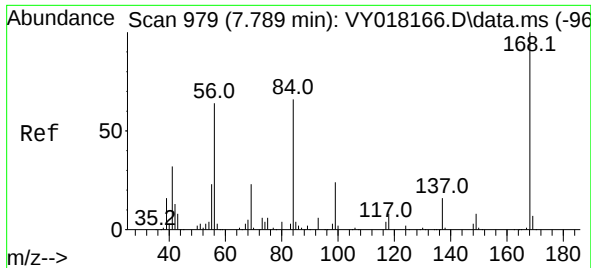
Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: May 14 03:03:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 14 03:01:34 2024  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

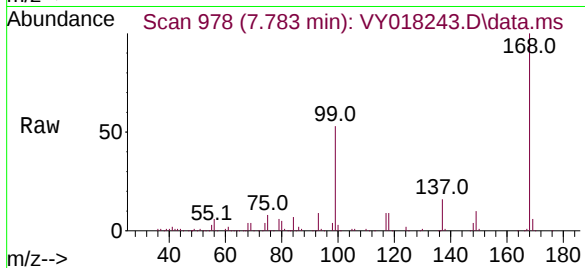
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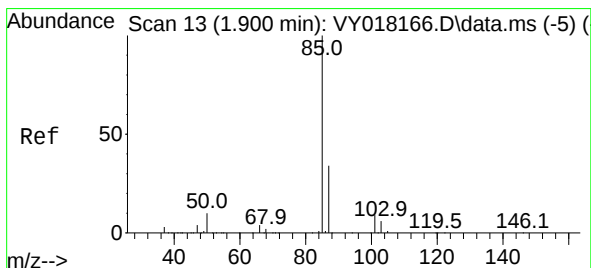
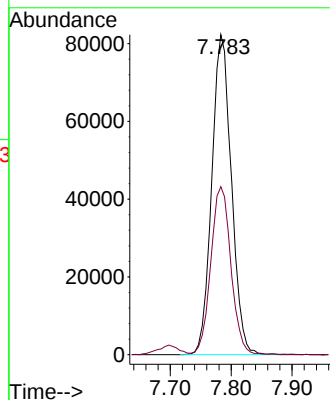
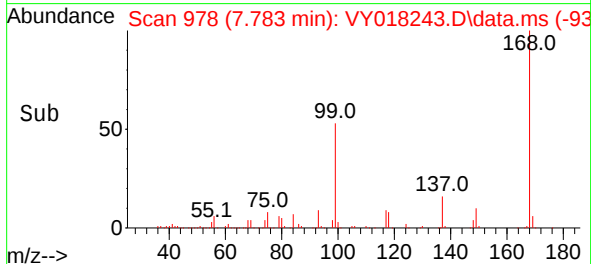


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

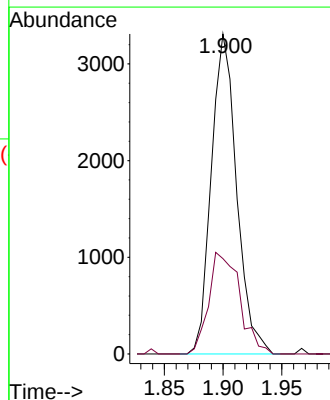
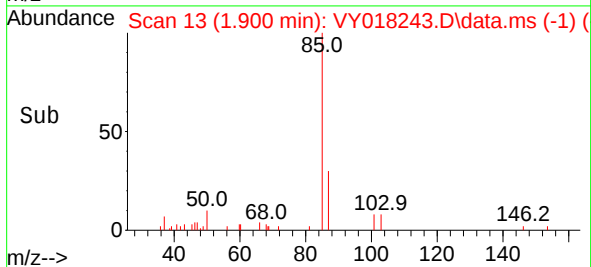
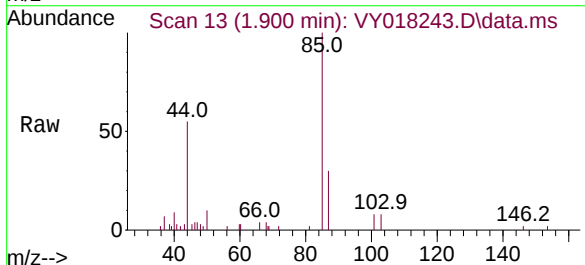


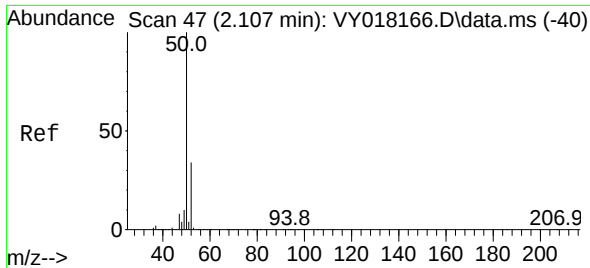
Tgt Ion:168 Resp: 184148  
Ion Ratio Lower Upper  
168 100  
99 52.5 39.1 58.7



#2  
Dichlorodifluoromethane  
Concen: 3.404 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

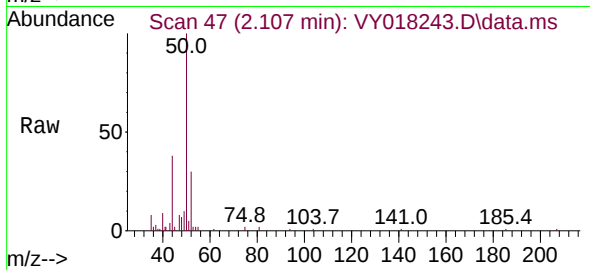
Tgt Ion: 85 Resp: 4971  
Ion Ratio Lower Upper  
85 100  
87 29.8 16.0 48.0



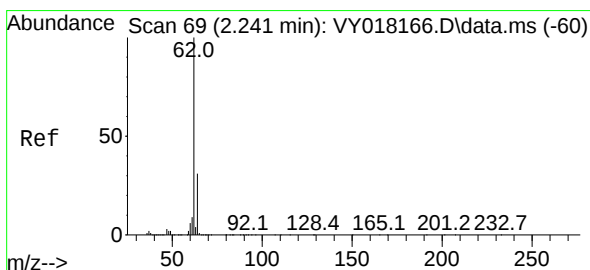
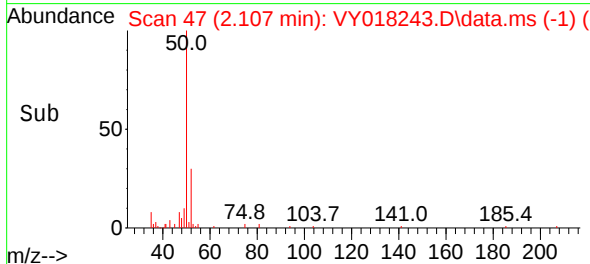
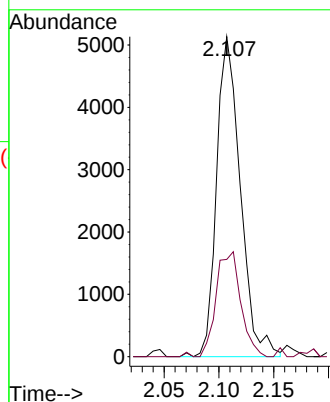


#3  
Chloromethane  
Concen: 3.960 ug/l  
RT: 2.107 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

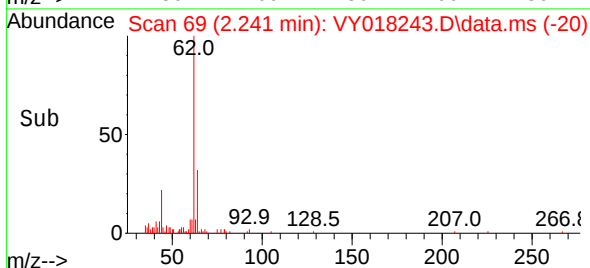
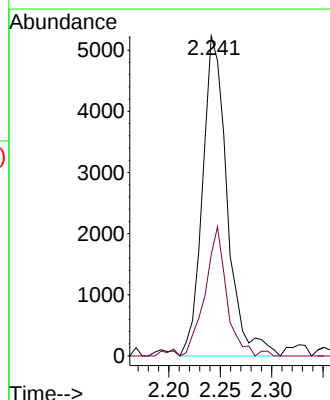
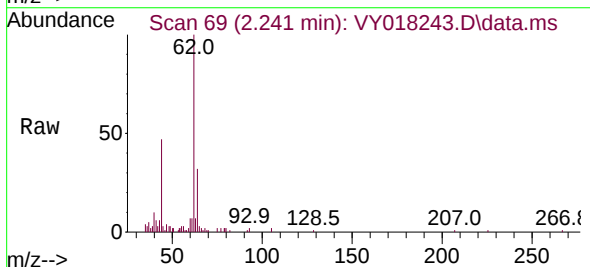


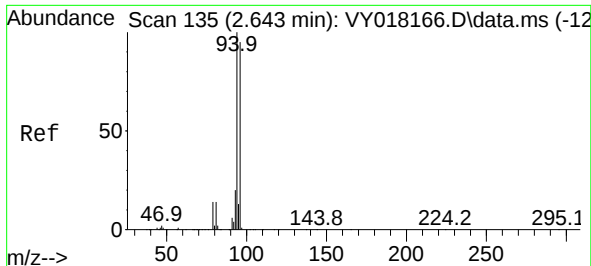
Tgt Ion: 50 Resp: 7741  
Ion Ratio Lower Upper  
50 100  
52 30.4 25.6 38.4



#4  
Vinyl Chloride  
Concen: 3.680 ug/l  
RT: 2.241 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 62 Resp: 8720  
Ion Ratio Lower Upper  
62 100  
64 31.6 26.1 39.1





#5

Bromomethane

Concen: 4.131 ug/l

RT: 2.644 min Scan# 14

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

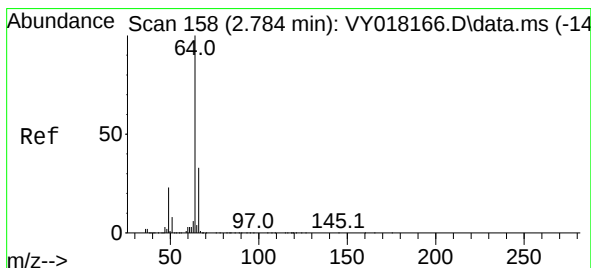
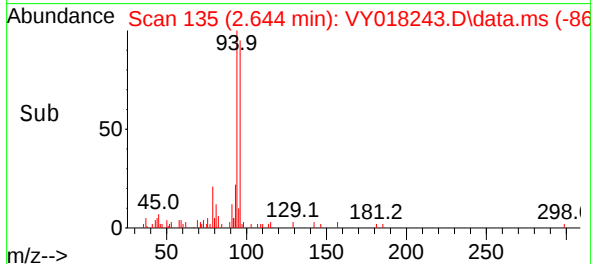
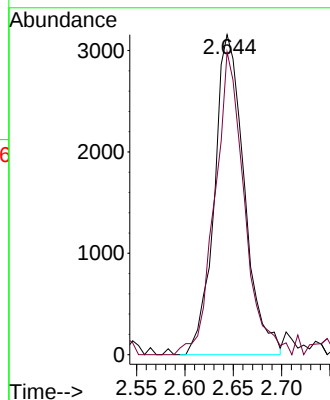
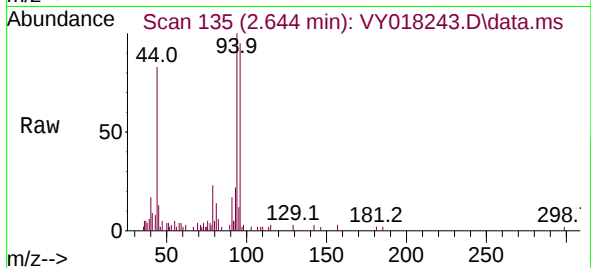
ClientSampleId :

Tgt Ion: 94 Resp: 6798

Ion Ratio Lower Upper

94 100

96 92.6 74.1 111.1



#6

Chloroethane

Concen: 3.820 ug/l

RT: 2.784 min Scan# 158

Delta R.T. 0.000 min

Lab File: VY018243.D

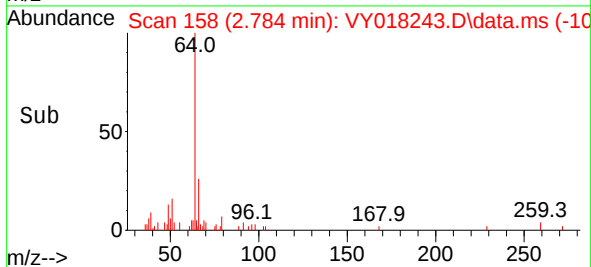
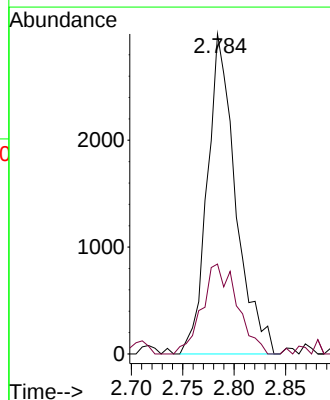
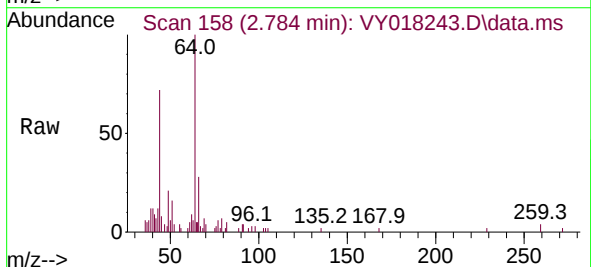
Acq: 13 May 2024 15:48

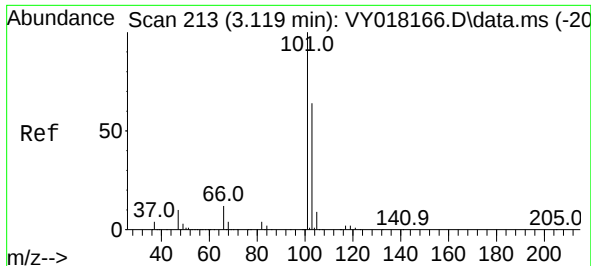
Tgt Ion: 64 Resp: 5745

Ion Ratio Lower Upper

64 100

66 28.1 26.1 39.1

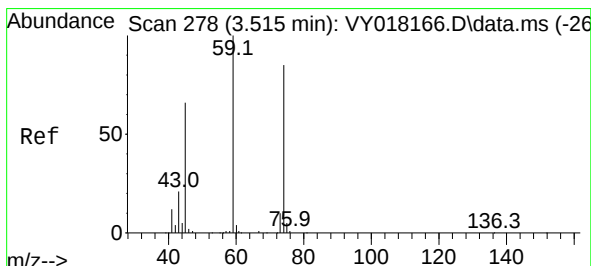
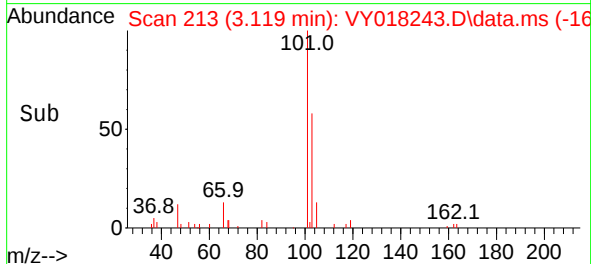
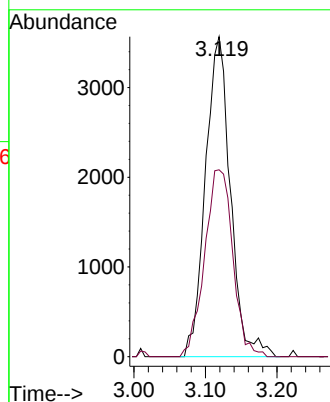
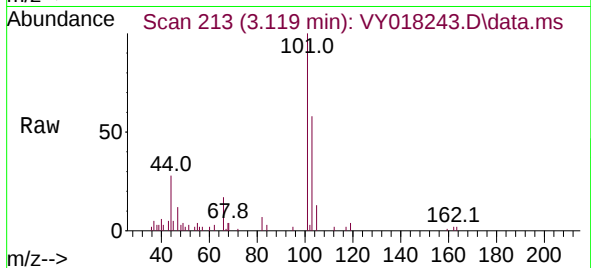




#7  
 Trichlorofluoromethane  
 Concen: 3.118 ug/l  
 RT: 3.119 min Scan# 213  
 Delta R.T. 0.000 min  
 Lab File: VY018243.D  
 Acq: 13 May 2024 15:48

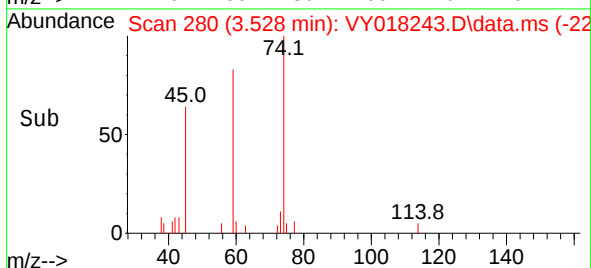
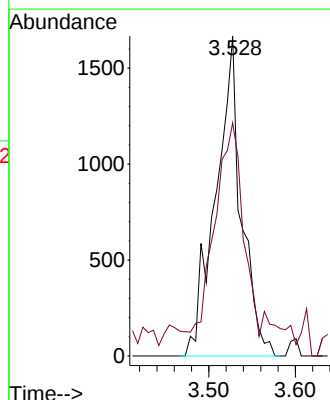
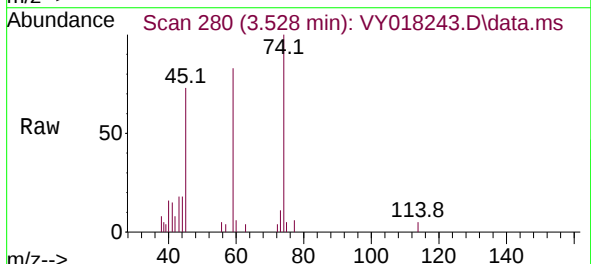
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

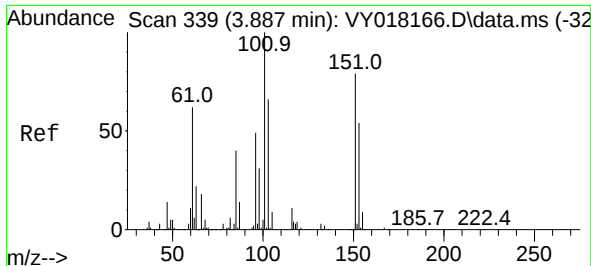
Tgt Ion:101 Resp: 8655  
 Ion Ratio Lower Upper  
 101 100  
 103 58.4 49.3 73.9



#8  
 Diethyl Ether  
 Concen: 3.757 ug/l  
 RT: 3.528 min Scan# 280  
 Delta R.T. 0.012 min  
 Lab File: VY018243.D  
 Acq: 13 May 2024 15:48

Tgt Ion: 74 Resp: 3433  
 Ion Ratio Lower Upper  
 74 100  
 45 86.1 41.3 124.1

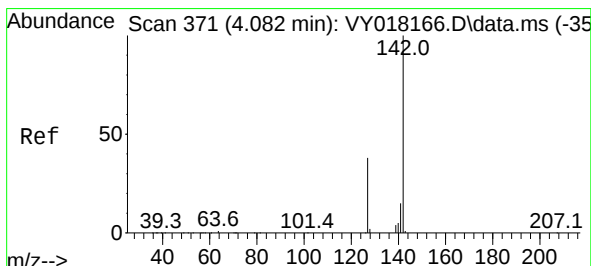
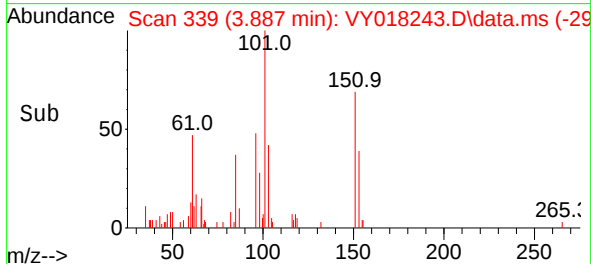
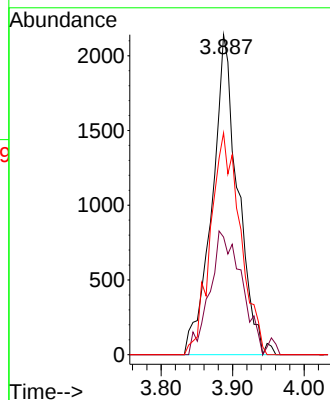
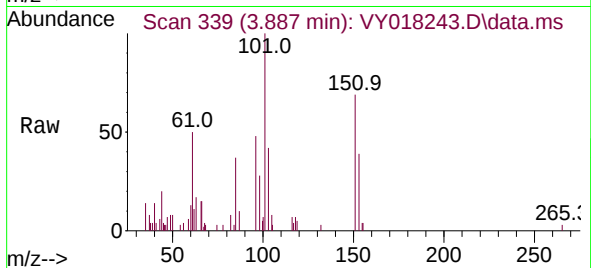




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 3.031 ug/l  
RT: 3.887 min Scan# 339  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

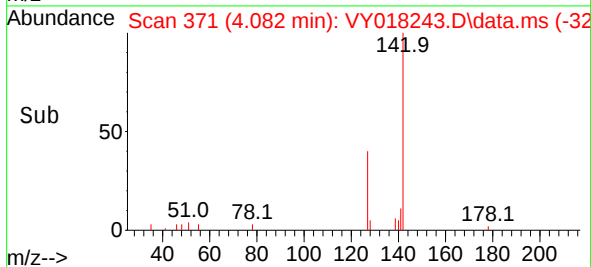
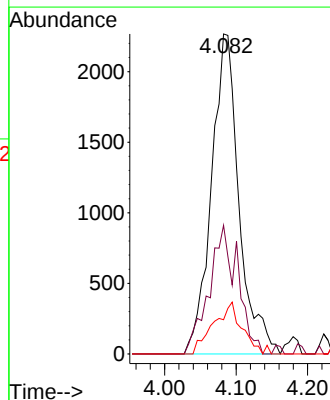
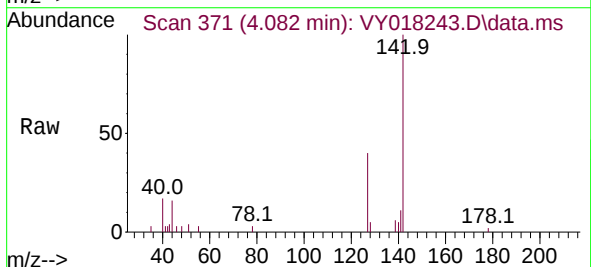
Instrument :  
MSVOA\_Y  
ClientSampleId :

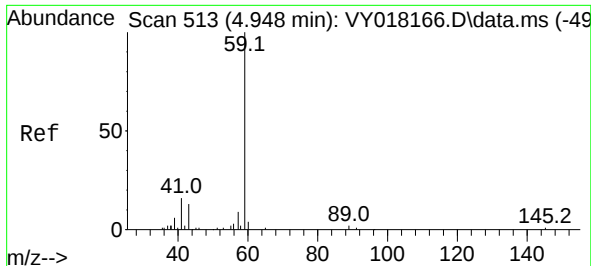
Tgt Ion:101 Resp: 5362  
Ion Ratio Lower Upper  
101 100  
85 47.5 34.5 51.7  
151 80.0 61.7 92.5



#10  
Methyl Iodide  
Concen: 2.949 ug/l  
RT: 4.082 min Scan# 371  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion:142 Resp: 6091  
Ion Ratio Lower Upper  
142 100  
127 41.8 32.8 49.2  
141 16.8 11.4 17.2

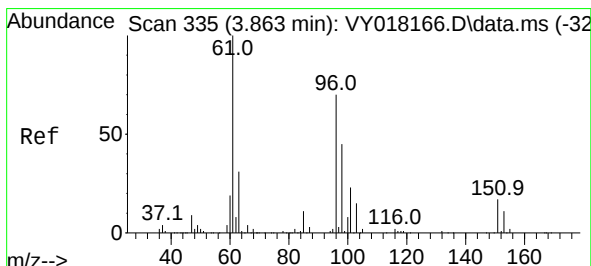
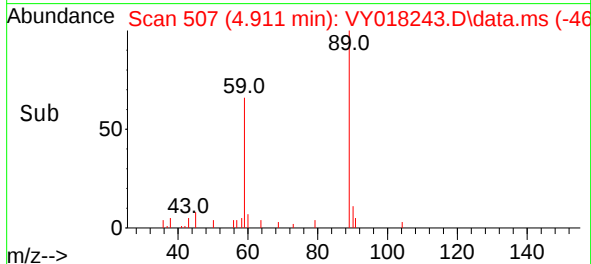
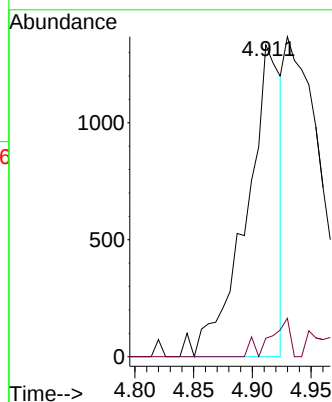
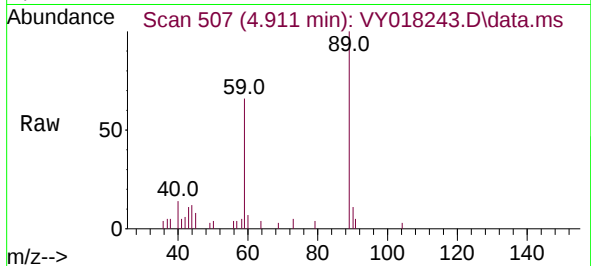




#11  
Tert butyl alcohol  
Concen: 20.198 ug/l  
RT: 4.911 min Scan# 513  
Delta R.T. -0.037 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

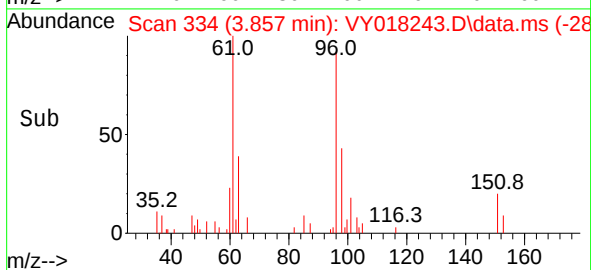
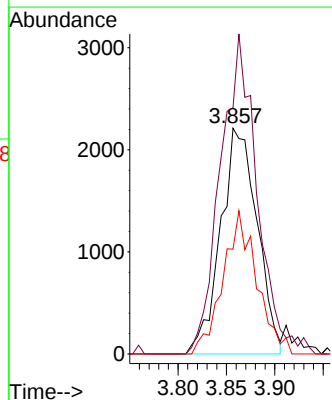
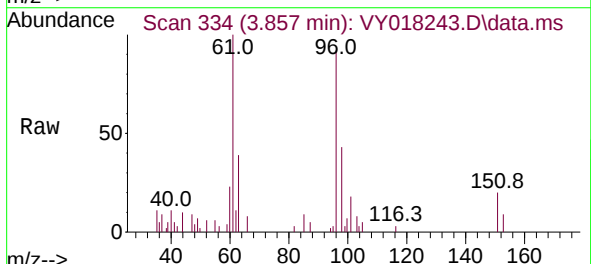
Instrument :  
MSVOA\_Y  
ClientSampleId :

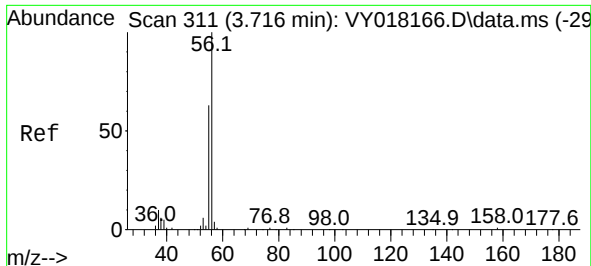
Tgt Ion: 59 Resp: 2735  
Ion Ratio Lower Upper  
59 100  
57 7.1 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 3.268 ug/l  
RT: 3.857 min Scan# 334  
Delta R.T. -0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

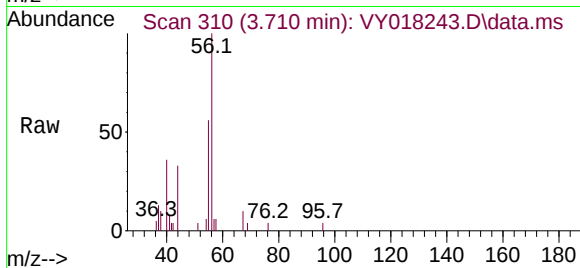
Tgt Ion: 96 Resp: 5820  
Ion Ratio Lower Upper  
96 100  
61 109.0 114.6 171.8#  
98 46.4 50.8 76.2#



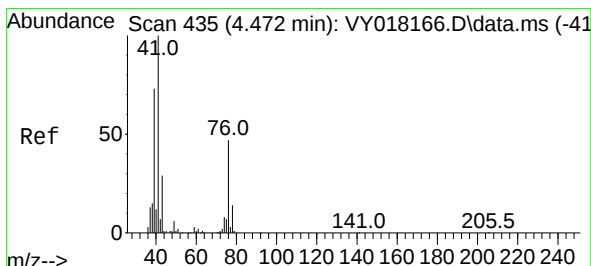
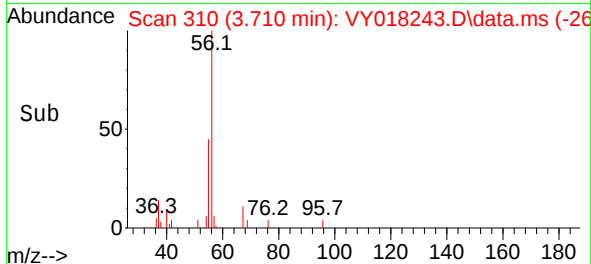
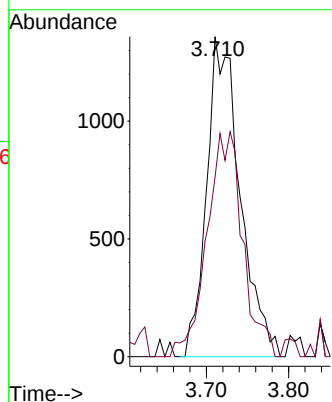


#13  
Acrolein  
Concen: 26.276 ug/l  
RT: 3.710 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

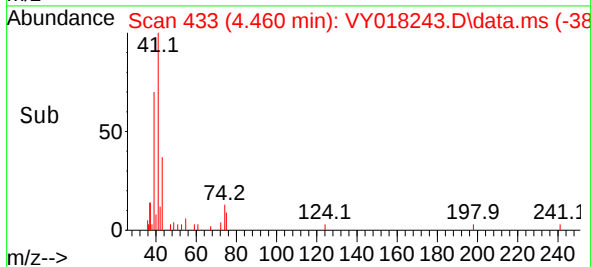
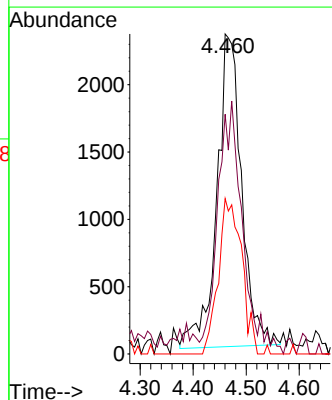
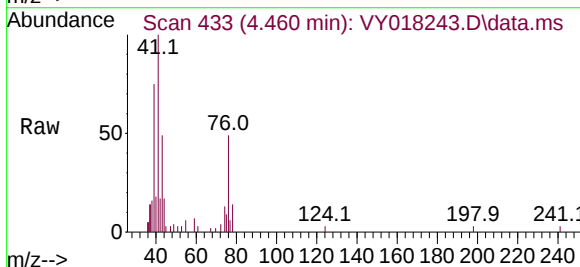


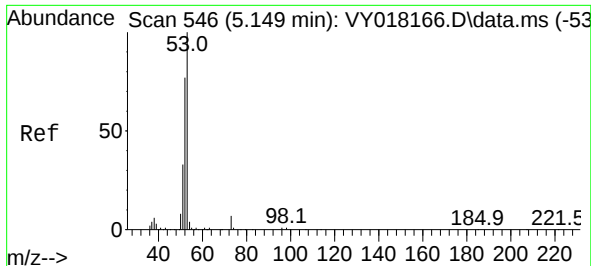
Tgt Ion: 56 Resp: 3837  
Ion Ratio Lower Upper  
56 100  
55 75.1 55.7 83.5



#14  
Allyl chloride  
Concen: 3.326 ug/l  
RT: 4.460 min Scan# 433  
Delta R.T. -0.012 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 41 Resp: 7536  
Ion Ratio Lower Upper  
41 100  
39 68.9 58.3 87.5  
76 46.7 39.0 58.6





#15

Acrylonitrile

Concen: 18.992 ug/l

RT: 5.149 min Scan# 546

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

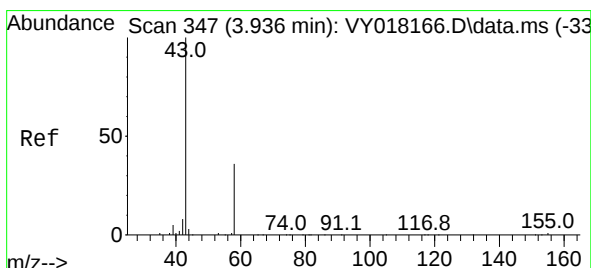
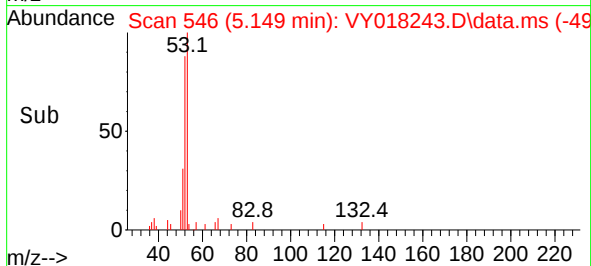
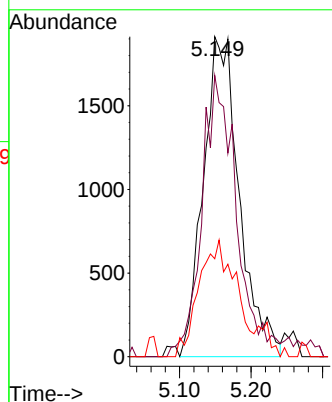
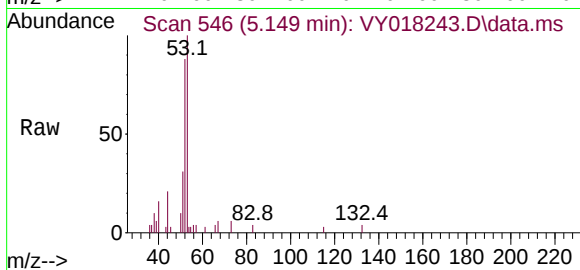
Tgt Ion: 53 Resp: 6674

Ion Ratio Lower Upper

53 100

52 84.6 64.7 97.1

51 37.5 28.4 42.6



#16

Acetone

Concen: 21.324 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY018243.D

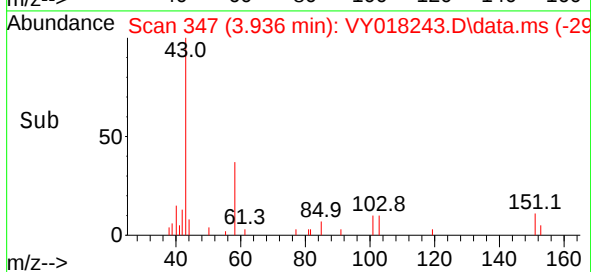
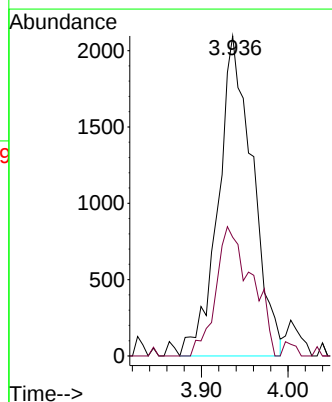
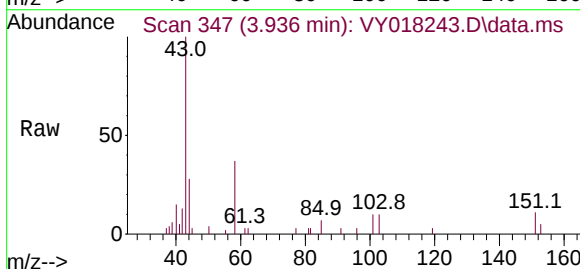
Acq: 13 May 2024 15:48

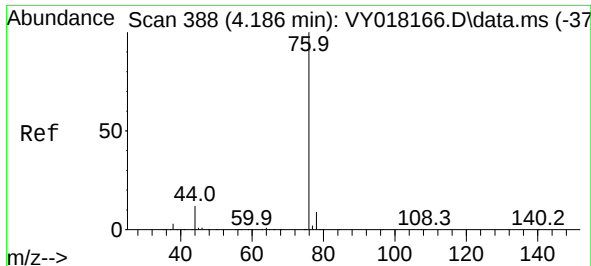
Tgt Ion: 43 Resp: 5765

Ion Ratio Lower Upper

43 100

58 37.1 31.7 47.5

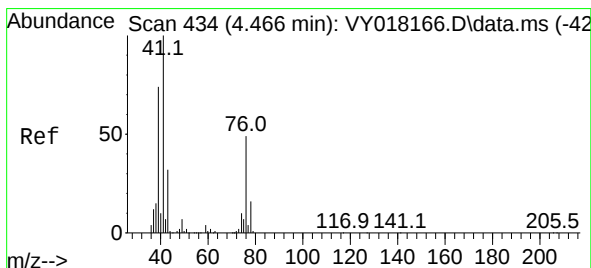
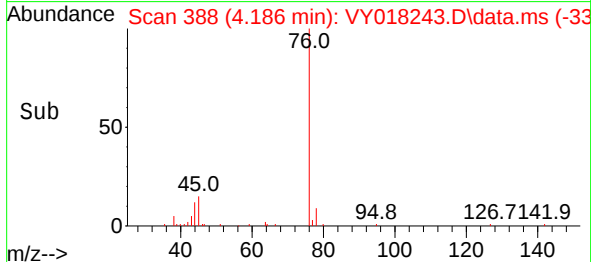
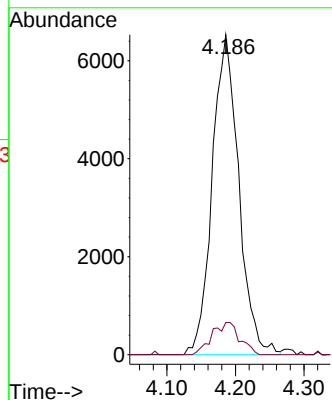
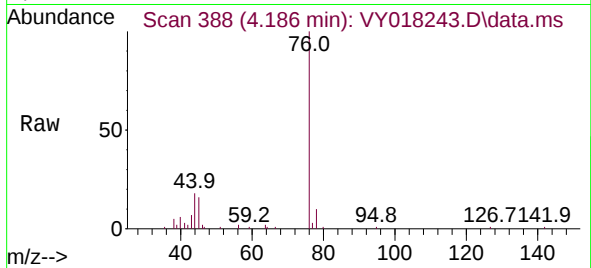




#17  
Carbon Disulfide  
Concen: 3.609 ug/l  
RT: 4.186 min Scan# 388  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

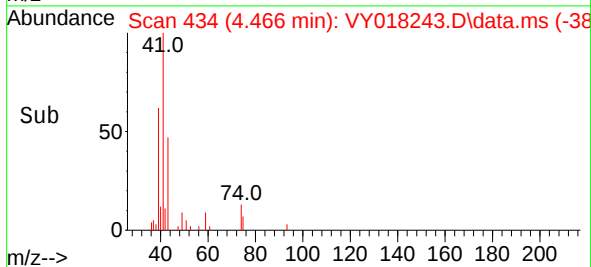
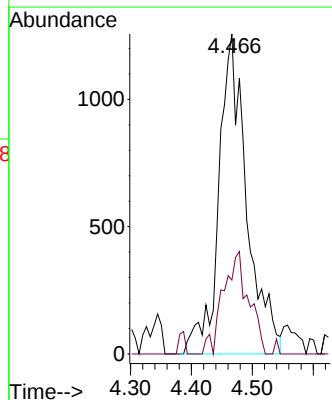
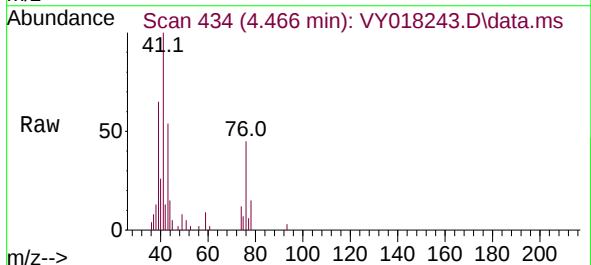
Instrument :  
MSVOA\_Y  
ClientSampleId :

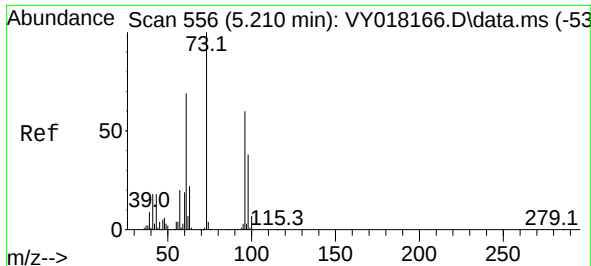
Tgt Ion: 76 Resp: 17498  
Ion Ratio Lower Upper  
76 100  
78 10.1 6.8 10.2



#18  
Methyl Acetate  
Concen: 5.206 ug/l  
RT: 4.466 min Scan# 434  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 43 Resp: 4009  
Ion Ratio Lower Upper  
43 100  
74 29.1 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 3.301 ug/l

RT: 5.204 min Scan# 51

Delta R.T. -0.006 min

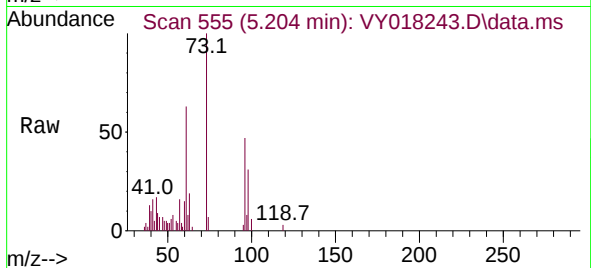
Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

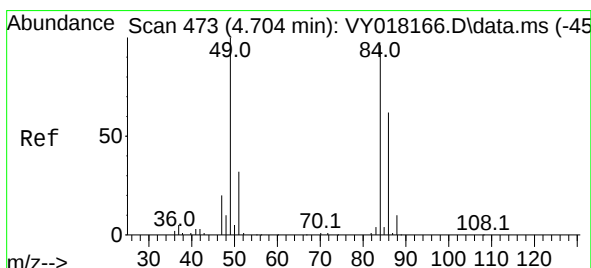
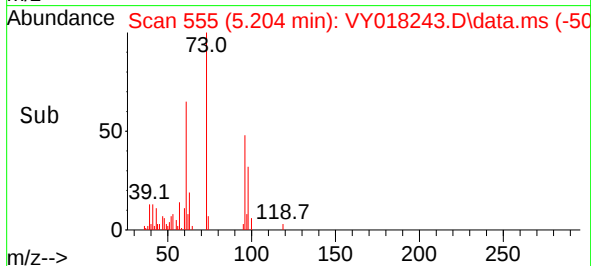
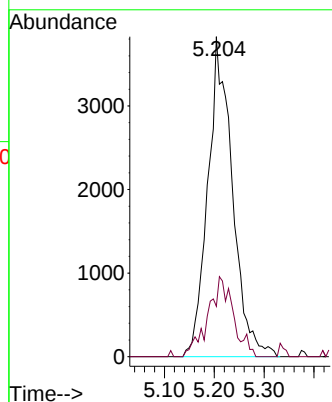


Tgt Ion: 73 Resp: 13094

Ion Ratio Lower Upper

73 100

57 15.7 17.3 25.9#



#20

Methylene Chloride

Concen: 15.076 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Tgt Ion: 84 Resp: 28809

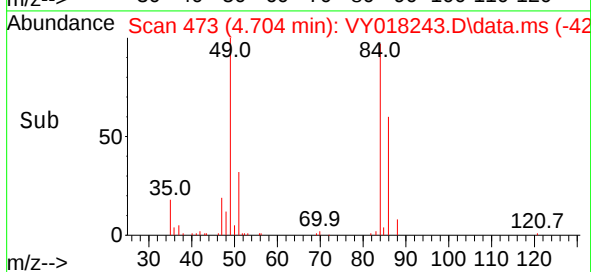
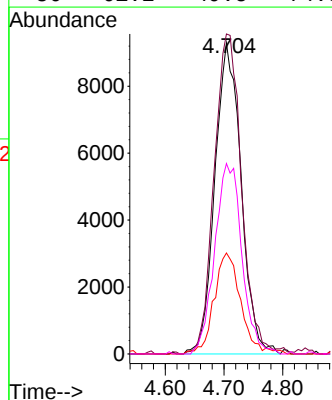
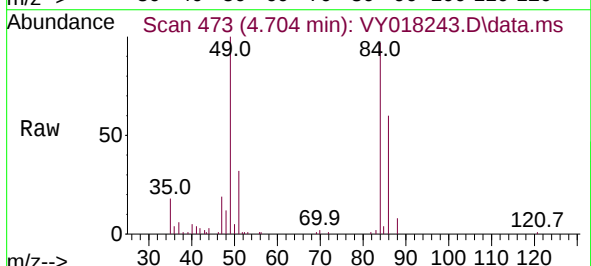
Ion Ratio Lower Upper

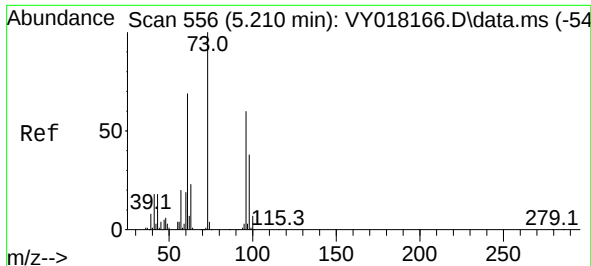
84 100

49 102.9 84.4 126.6

51 32.4 26.0 39.0

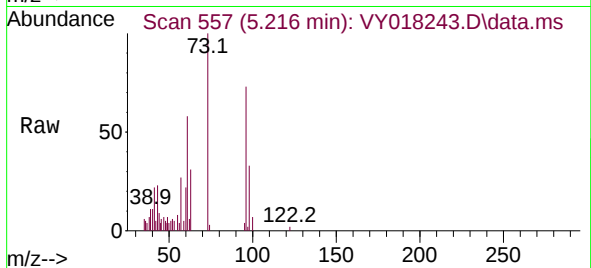
86 61.2 49.5 74.3



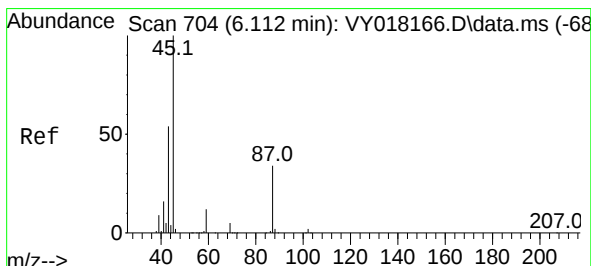
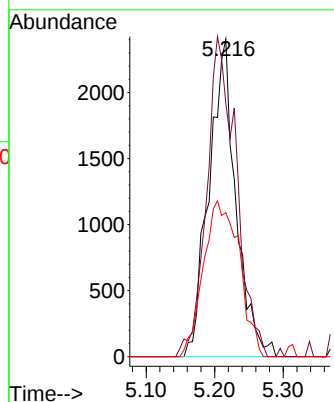
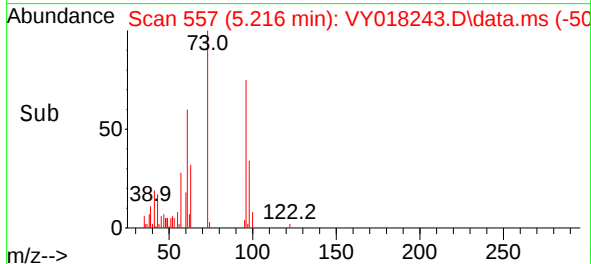


#21  
trans-1,2-Dichloroethene  
Concen: 3.479 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

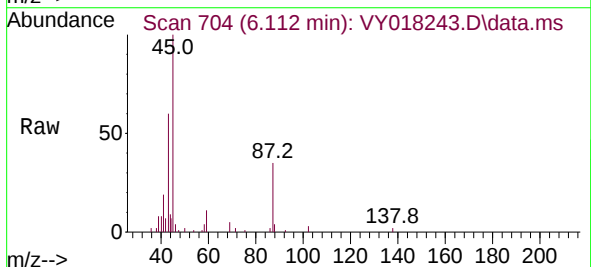
Instrument :  
MSVOA\_Y  
ClientSampleId :



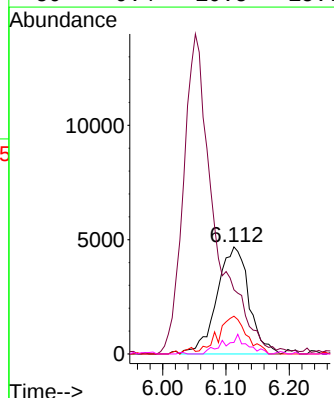
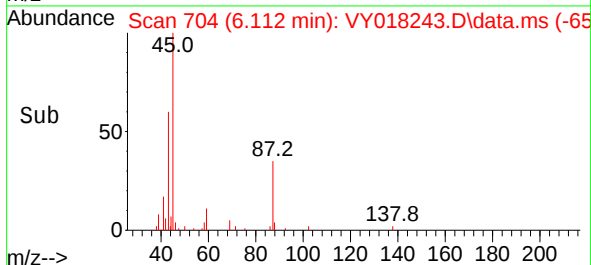
Tgt Ion: 96 Resp: 6567  
Ion Ratio Lower Upper  
96 100  
61 77.3 97.5 146.3#  
98 45.4 50.5 75.7#

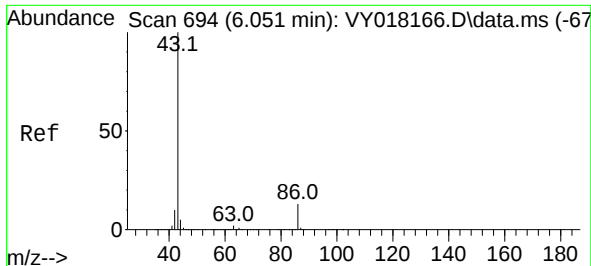


#22  
Diisopropyl ether  
Concen: 3.419 ug/l  
RT: 6.112 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48



Tgt Ion: 45 Resp: 16433  
Ion Ratio Lower Upper  
45 100  
43 54.9 42.2 63.2  
87 35.2 25.0 37.6  
59 9.4 10.5 15.7#

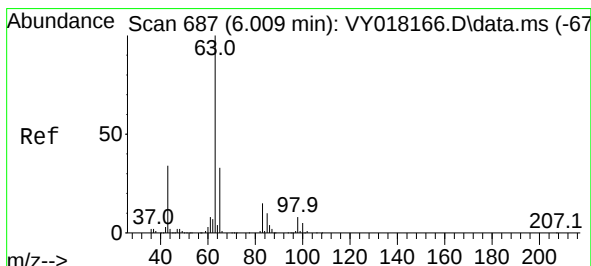
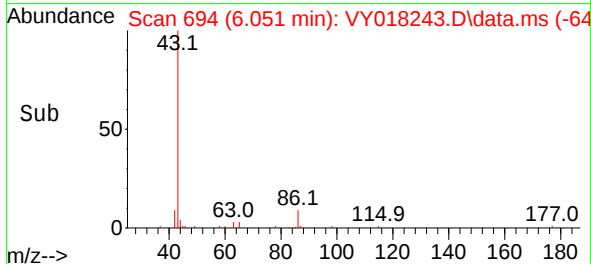
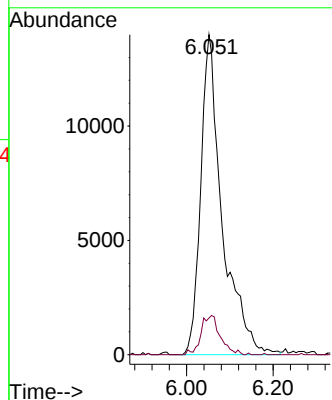
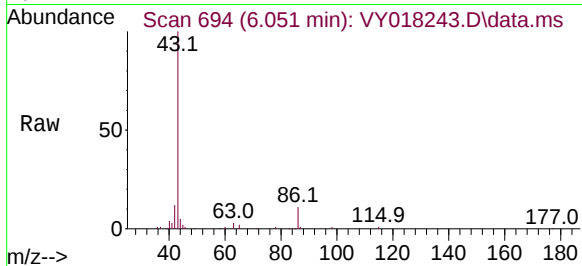




#23  
 Vinyl Acetate  
 Concen: 16.509 ug/l  
 RT: 6.051 min Scan# 694  
 Delta R.T. 0.000 min  
 Lab File: VY018243.D  
 Acq: 13 May 2024 15:48

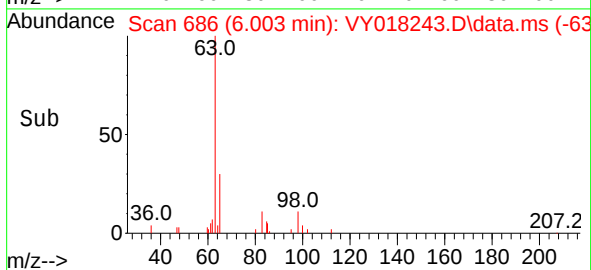
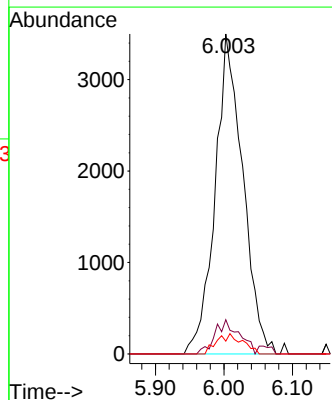
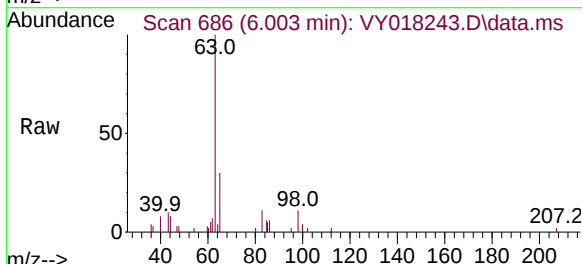
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

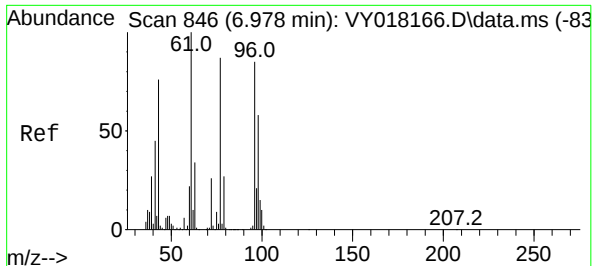
Tgt Ion: 43 Resp: 48223  
 Ion Ratio Lower Upper  
 43 100  
 86 11.4 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 3.314 ug/l  
 RT: 6.003 min Scan# 686  
 Delta R.T. -0.006 min  
 Lab File: VY018243.D  
 Acq: 13 May 2024 15:48

Tgt Ion: 63 Resp: 9809  
 Ion Ratio Lower Upper  
 63 100  
 98 10.7 4.0 12.2  
 100 4.0 2.6 8.0

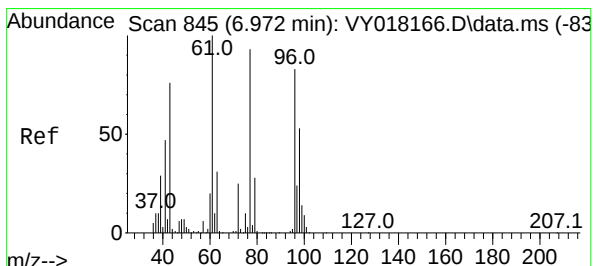
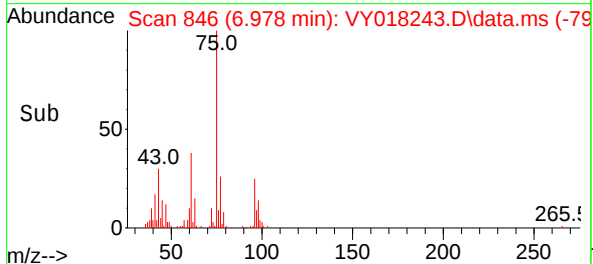
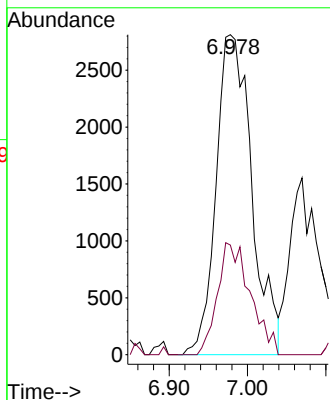
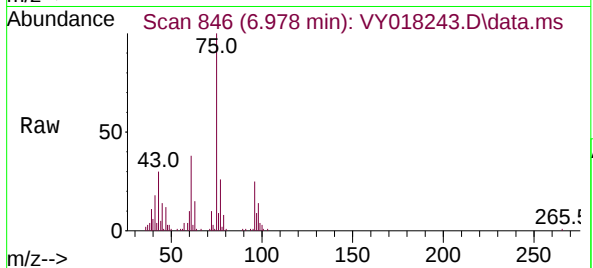




#25  
2-Butanone  
Concen: 20.616 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

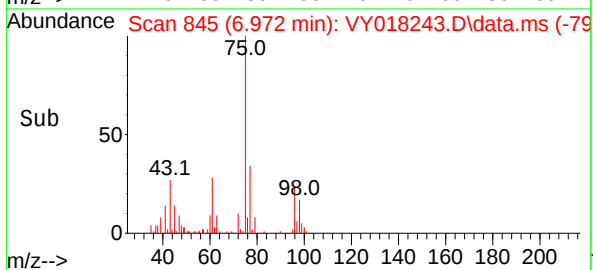
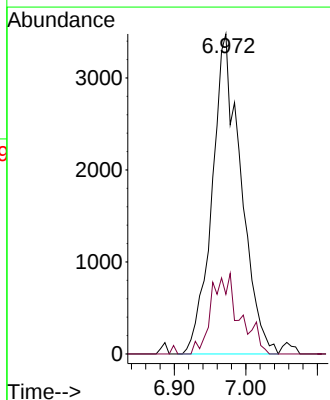
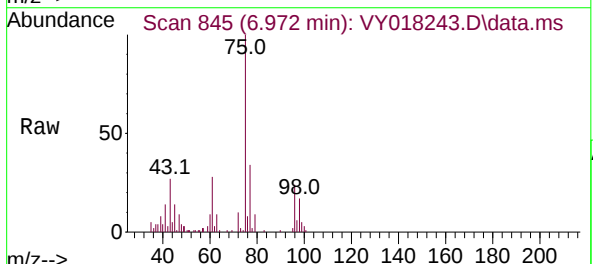
Instrument :  
MSVOA\_Y  
ClientSampleId :

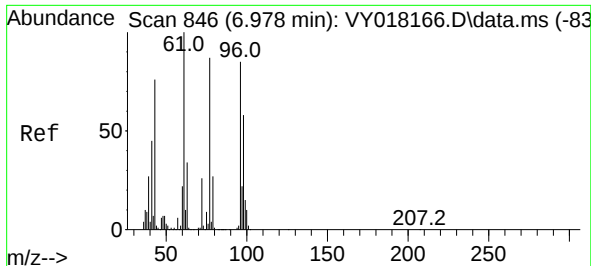
Tgt Ion: 43 Resp: 8909  
Ion Ratio Lower Upper  
43 100  
72 34.3 27.3 40.9



#26  
2,2-Dichloropropane  
Concen: 3.636 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 77 Resp: 9742  
Ion Ratio Lower Upper  
77 100  
97 24.6 12.0 36.1

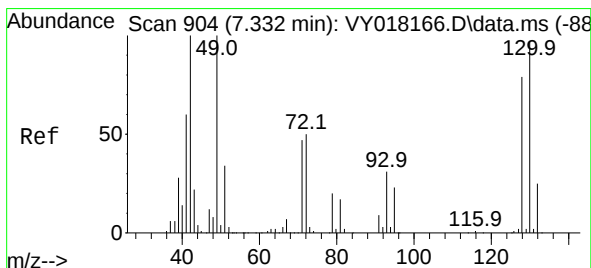
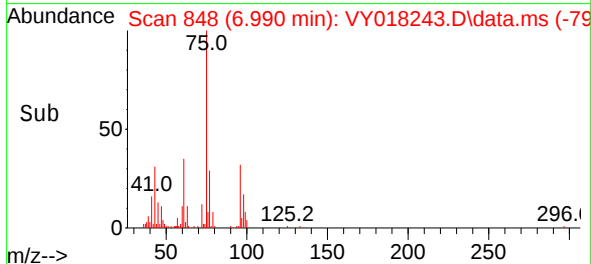
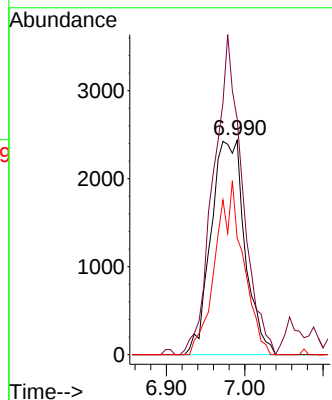
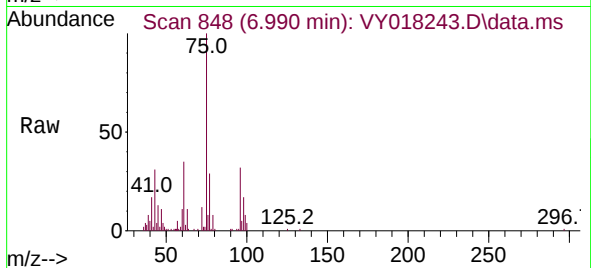




#27  
cis-1,2-Dichloroethene  
Concen: 3.270 ug/l  
RT: 6.990 min Scan# 846  
Delta R.T. 0.012 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

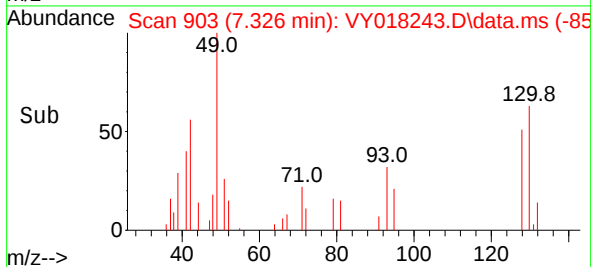
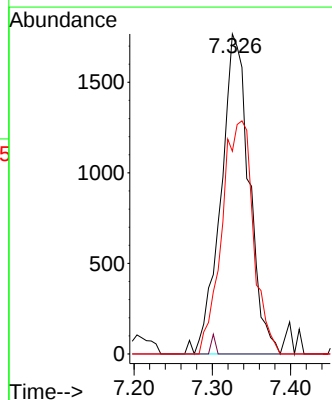
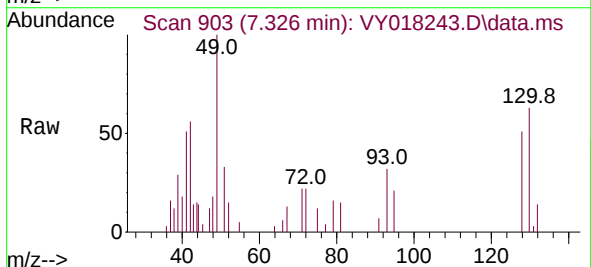
Instrument :  
MSVOA\_Y  
ClientSampleId :

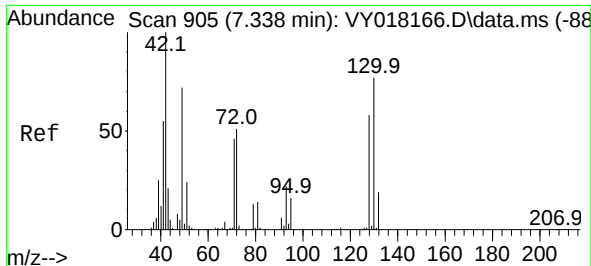
Tgt Ion: 96 Resp: 7295  
Ion Ratio Lower Upper  
96 100  
61 127.8 0.0 256.2  
98 66.6 0.0 130.0



#28  
Bromochloromethane  
Concen: 3.763 ug/l  
RT: 7.326 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 49 Resp: 4452  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.6  
130 80.6 72.7 109.1





#29

Tetrahydrofuran

Concen: 19.610 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

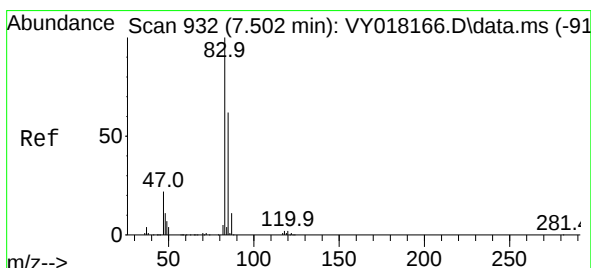
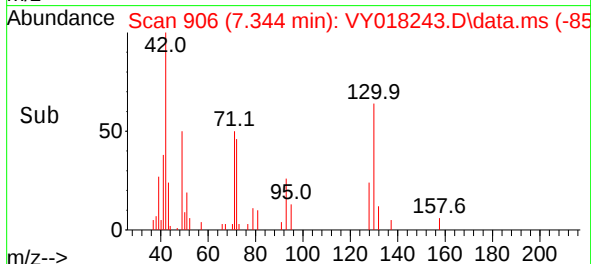
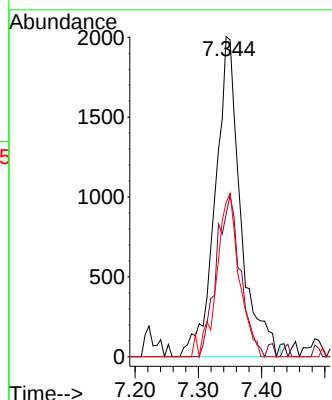
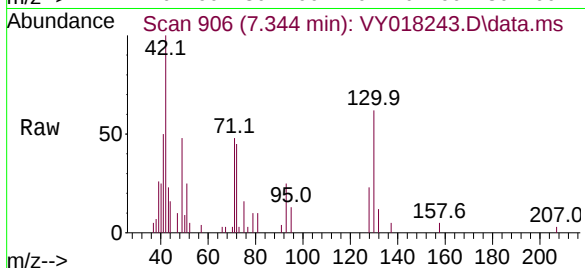
Tgt Ion: 42 Resp: 5594

Ion Ratio Lower Upper

42 100

72 47.6 43.0 64.4

71 45.3 40.8 61.2



#30

Chloroform

Concen: 3.197 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.006 min

Lab File: VY018243.D

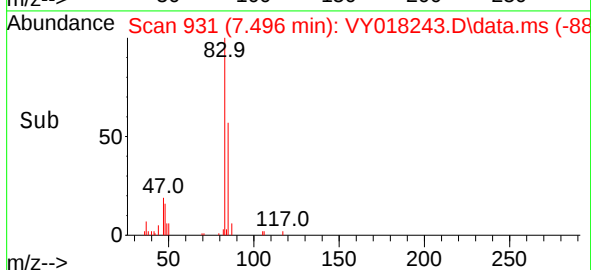
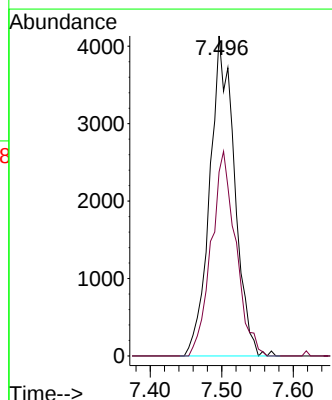
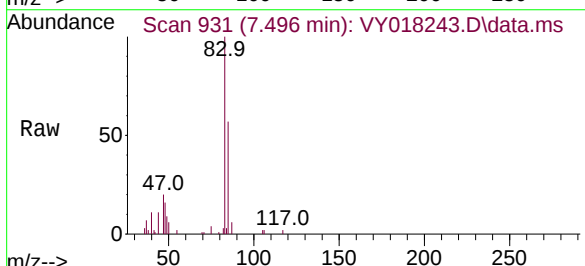
Acq: 13 May 2024 15:48

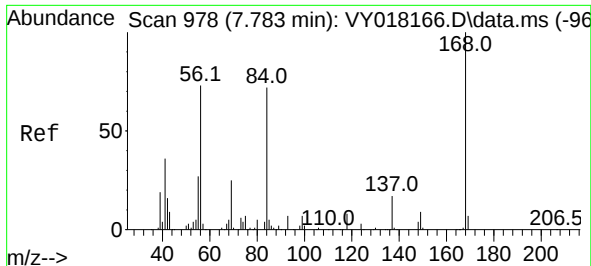
Tgt Ion: 83 Resp: 9879

Ion Ratio Lower Upper

83 100

85 57.5 52.2 78.4

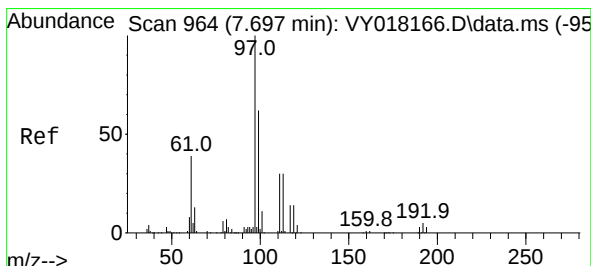
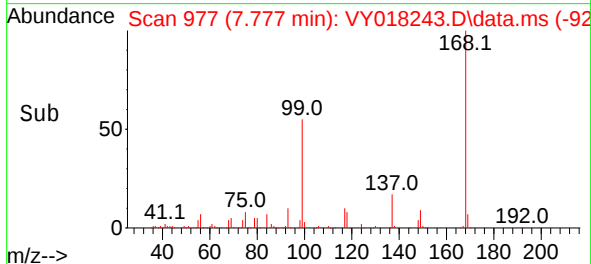
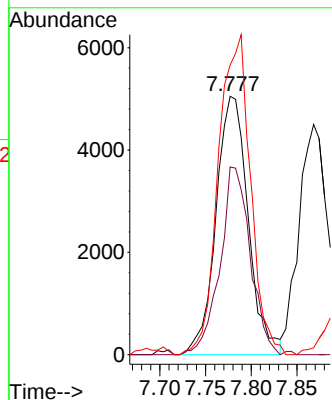
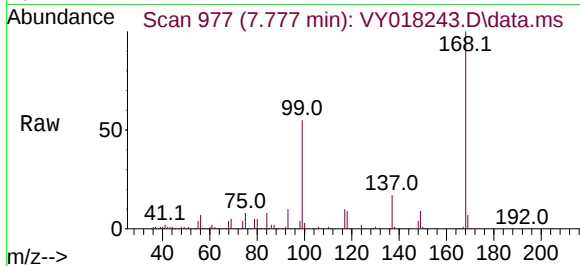




#31  
Cyclohexane  
Concen: 4.413 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

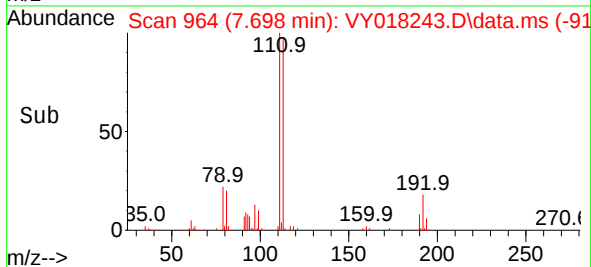
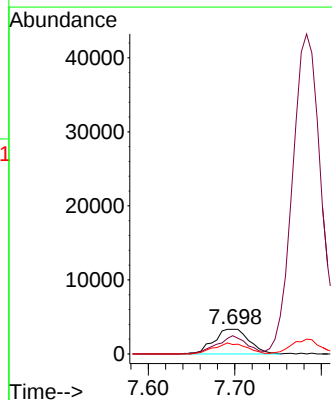
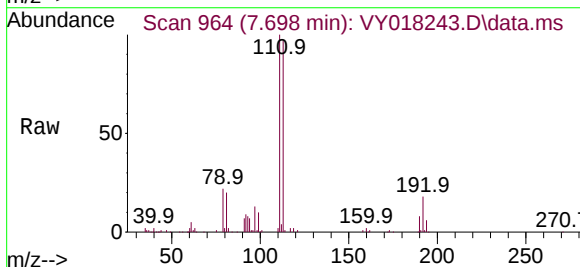
Instrument :  
MSVOA\_Y  
ClientSampleId :

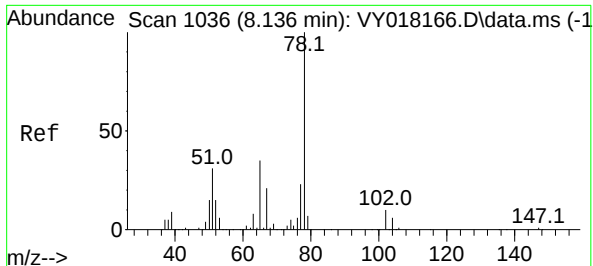
Tgt Ion: 56 Resp: 12401  
Ion Ratio Lower Upper  
56 100  
69 72.6 28.7 43.1#  
84 112.1 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 3.394 ug/l  
RT: 7.698 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 97 Resp: 9400  
Ion Ratio Lower Upper  
97 100  
99 63.4 50.3 75.5  
61 41.3 32.6 48.8

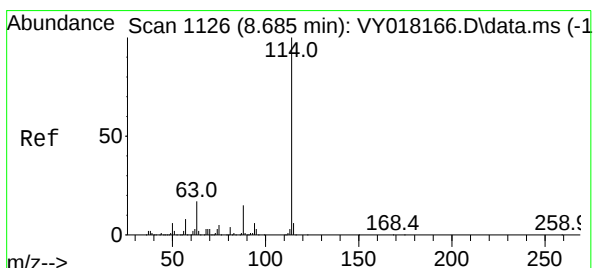
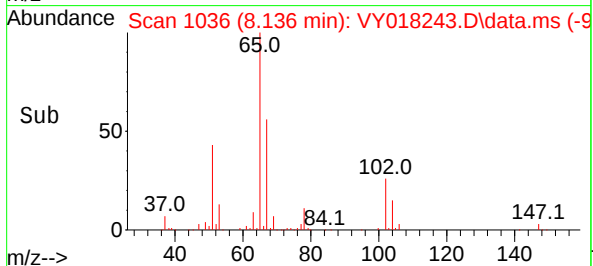
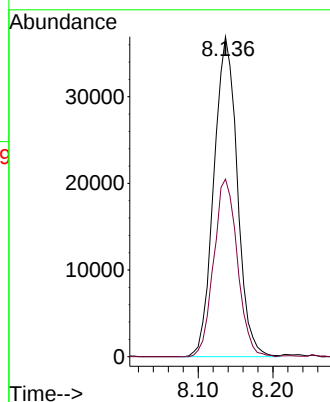
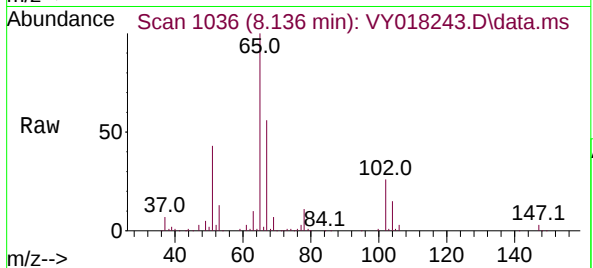




#33  
1,2-Dichloroethane-d4  
Concen: 59.474 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

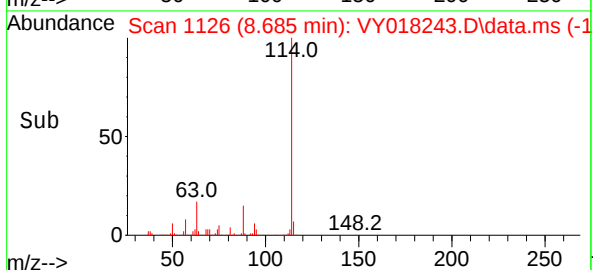
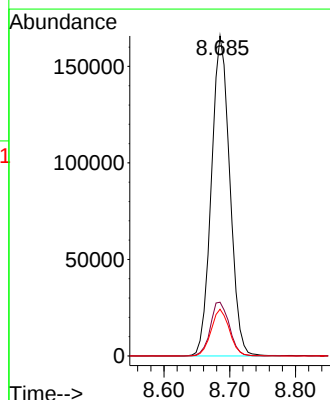
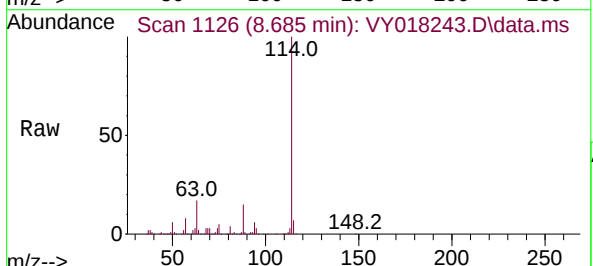
Instrument :  
MSVOA\_Y  
ClientSampleId :

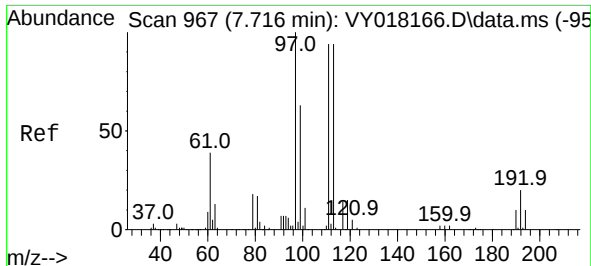
Tgt Ion: 65 Resp: 80571  
Ion Ratio Lower Upper  
65 100  
67 56.0 0.0 109.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion:114 Resp: 323236  
Ion Ratio Lower Upper  
114 100  
63 16.8 0.0 35.0  
88 14.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 53.653 ug/l

RT: 7.710 min Scan# 911

Delta R.T. -0.006 min

Lab File: VY018243.D

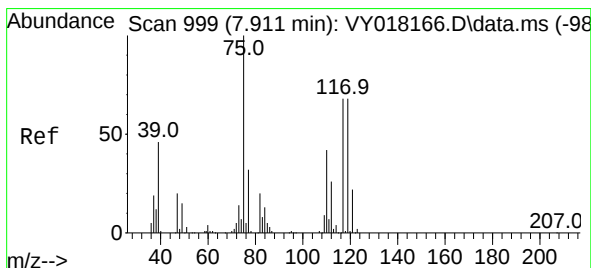
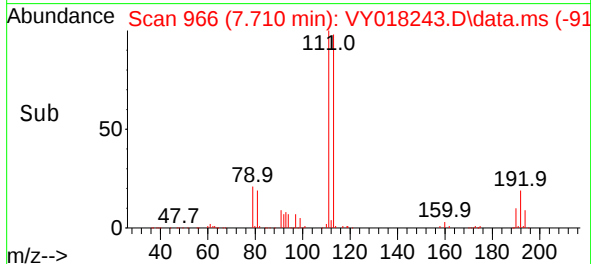
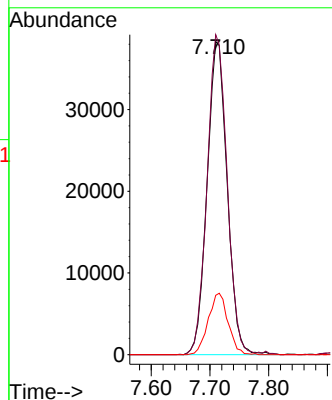
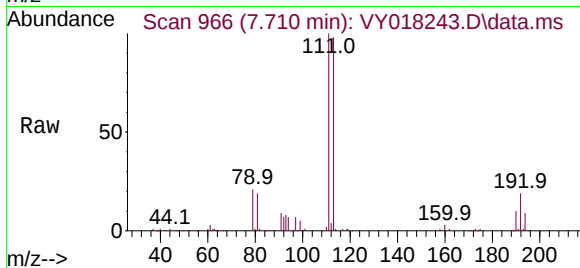
Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 91144 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.9 | 82.2  | 123.4 |
| 192      | 19.4  | 15.9  | 23.9  |



#36

1,1-Dichloropropene

Concen: 3.002 ug/l

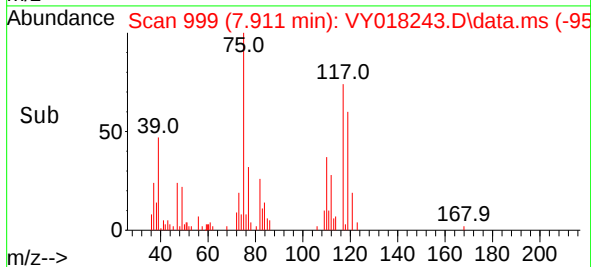
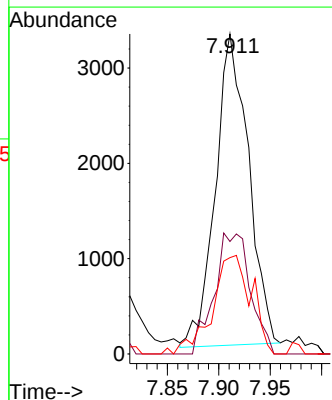
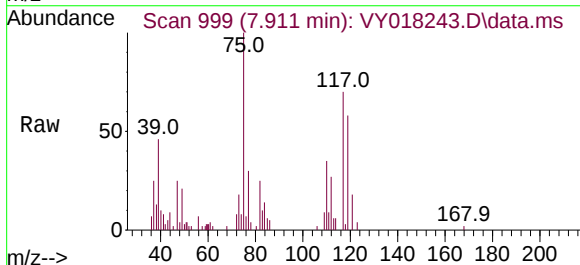
RT: 7.911 min Scan# 999

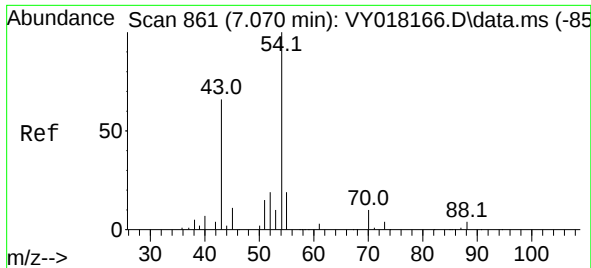
Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7311  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 42.4  | 19.0  | 57.0  |
| 77       | 37.5  | 25.3  | 37.9  |





#37

Ethyl Acetate

Concen: 3.570 ug/l

RT: 7.070 min Scan# 861

Delta R.T. 0.000 min

Lab File: VY018243.D

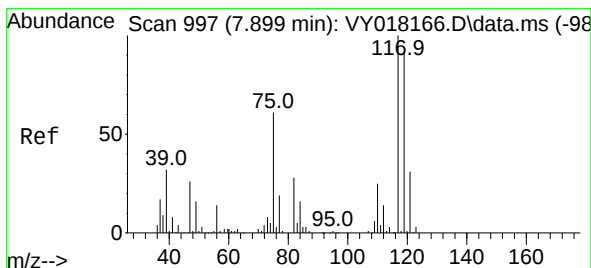
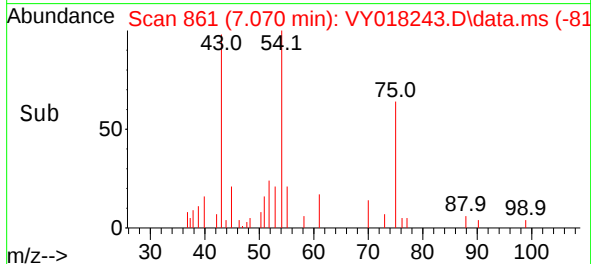
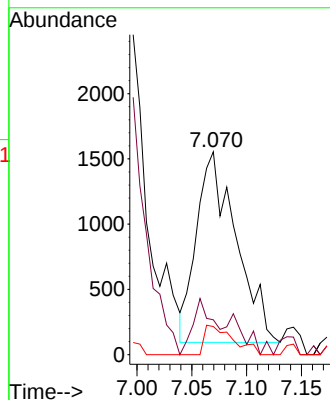
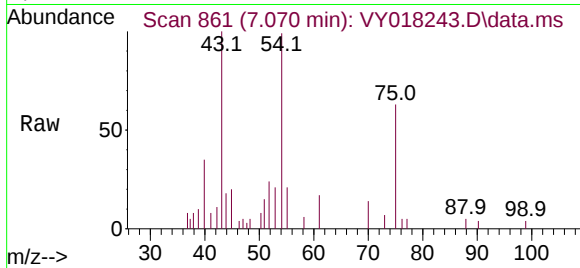
Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 43    | Resp: | 3659 |
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 61        | 15.0  | 12.6  | 19.0 |
| 70        | 11.1  | 7.8   | 11.8 |



#38

Carbon Tetrachloride

Concen: 2.984 ug/l

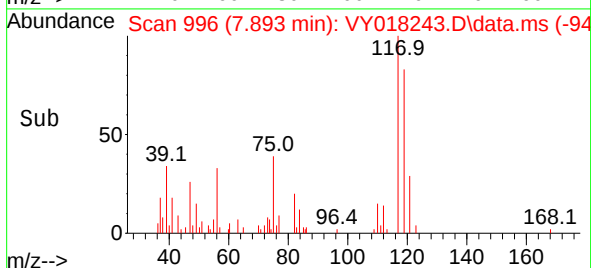
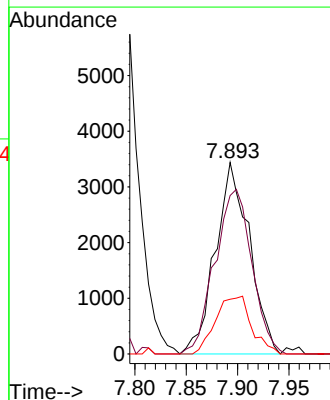
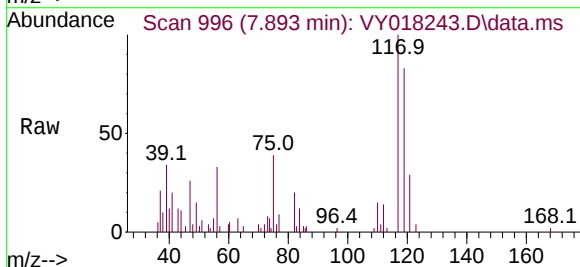
RT: 7.893 min Scan# 996

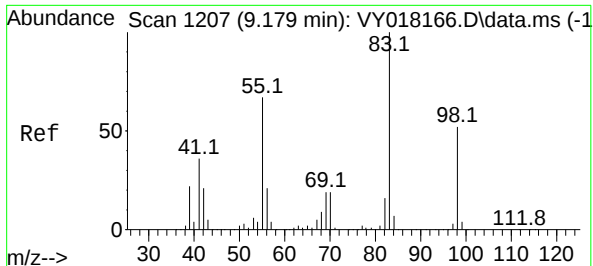
Delta R.T. -0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 7940  |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 82.7  | 75.8  | 113.6 |
| 121       | 28.6  | 24.0  | 36.0  |





#39

Methylcyclohexane

Concen: 3.033 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

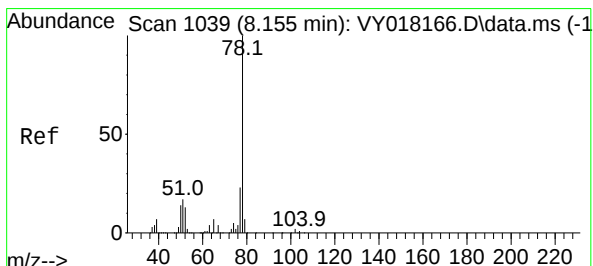
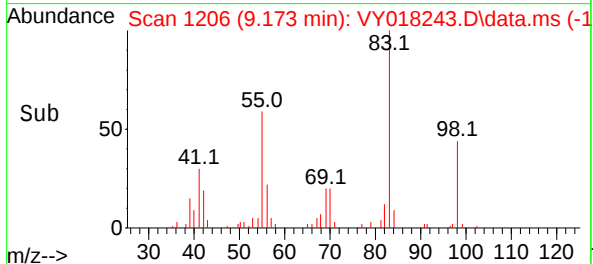
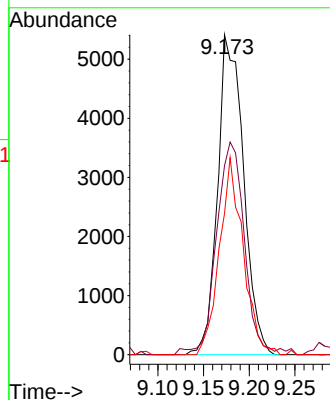
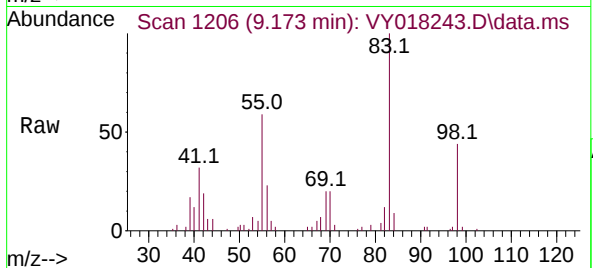
Tgt Ion: 83 Resp: 10657

Ion Ratio Lower Upper

83 100

55 57.1 51.5 77.3

98 44.1 40.5 60.7



#40

Benzene

Concen: 3.098 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY018243.D

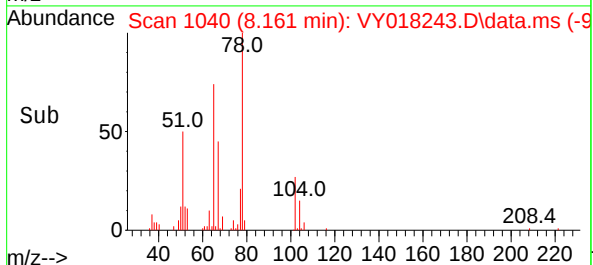
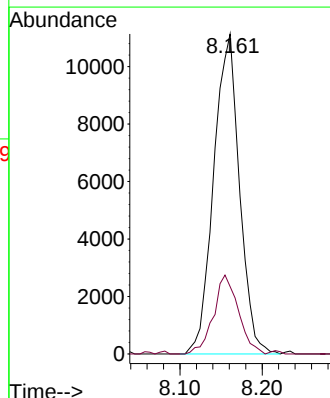
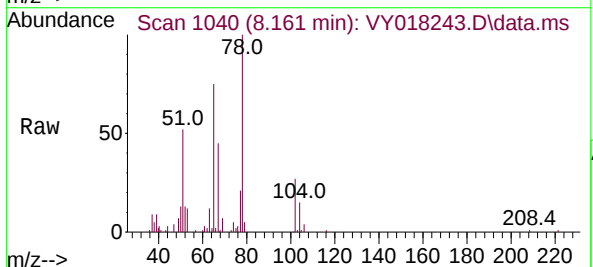
Acq: 13 May 2024 15:48

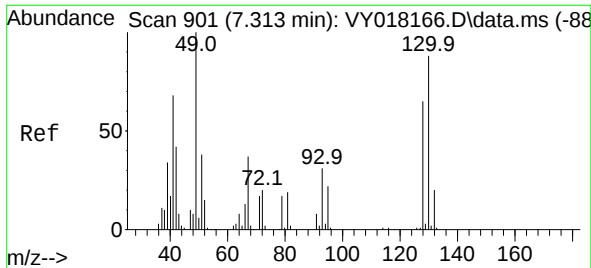
Tgt Ion: 78 Resp: 24264

Ion Ratio Lower Upper

78 100

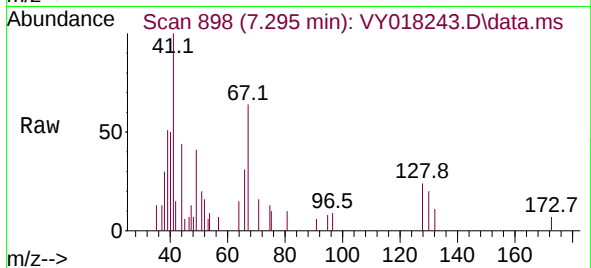
77 21.0 19.5 29.3



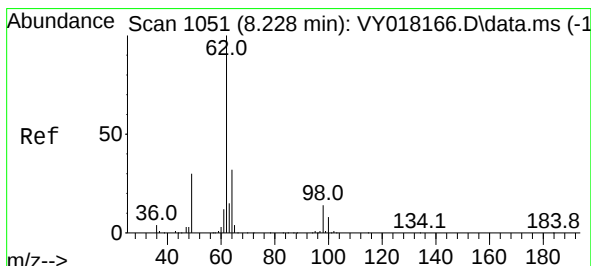
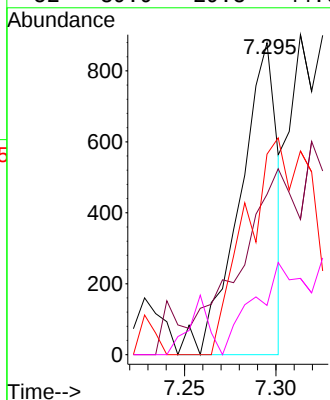
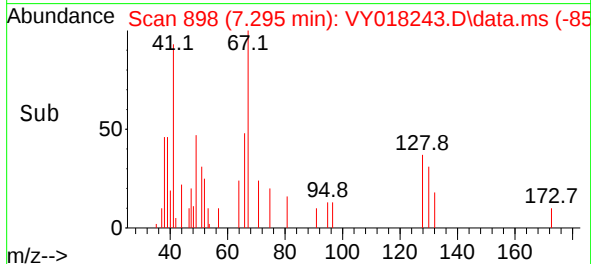


#41  
Methacrylonitrile  
Concen: 2.147 ug/l  
RT: 7.295 min Scan# 898  
Delta R.T. -0.018 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

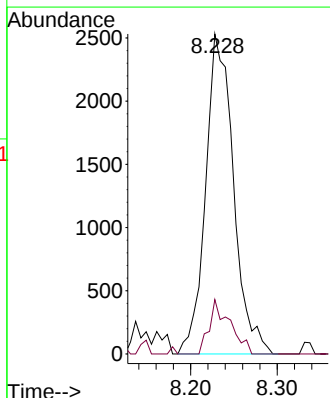
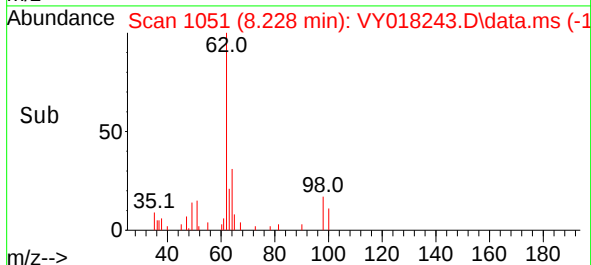
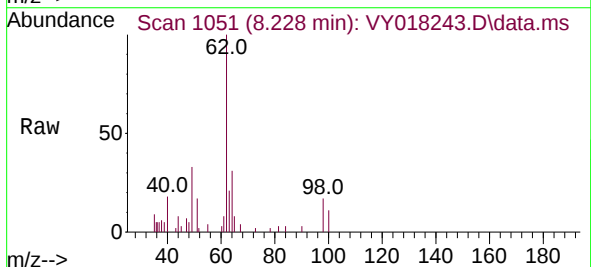


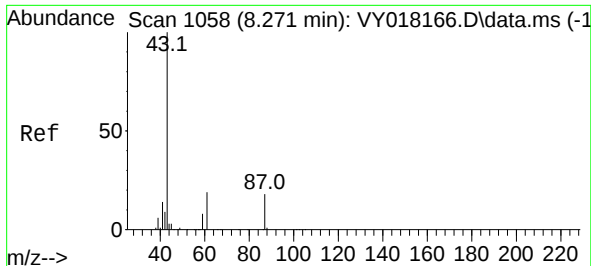
Tgt Ion: 41 Resp: 1271  
Ion Ratio Lower Upper  
41 100  
39 90.6 48.0 72.0#  
67 138.1 75.1 112.7#  
52 39.9 29.8 44.6



#42  
1,2-Dichloroethane  
Concen: 3.321 ug/l  
RT: 8.228 min Scan# 1051  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 62 Resp: 5661  
Ion Ratio Lower Upper  
62 100  
98 12.6 0.0 22.0





#43

Isopropyl Acetate

Concen: 3.236 ug/l

RT: 8.271 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

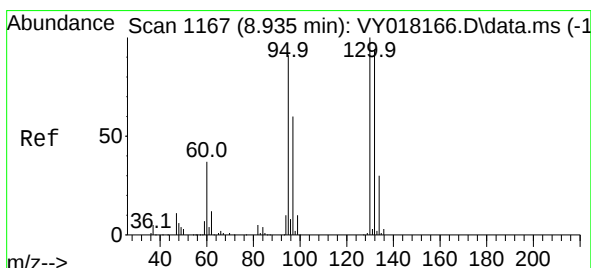
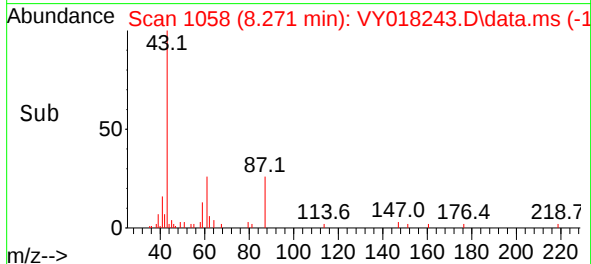
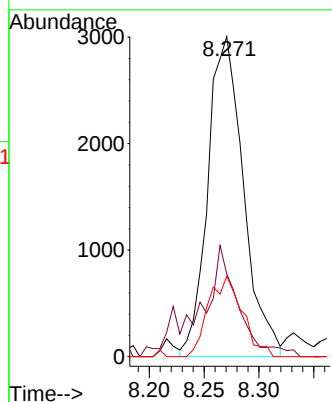
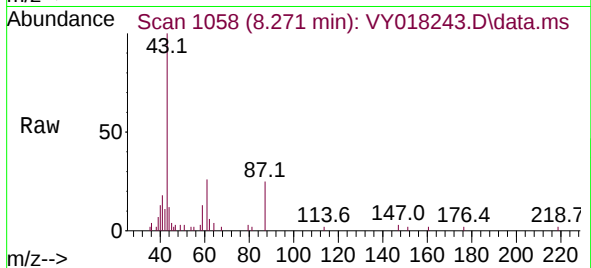
Tgt Ion: 43 Resp: 6799

Ion Ratio Lower Upper

43 100

61 28.5 27.9 41.9

87 24.0 13.1 19.7#



#44

Trichloroethene

Concen: 2.768 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VY018243.D

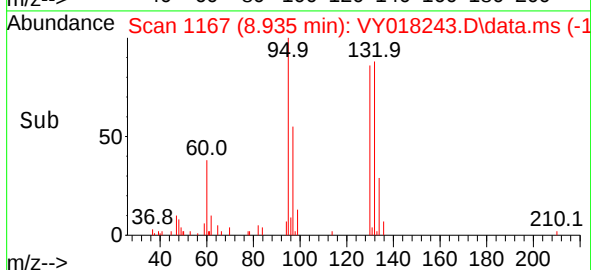
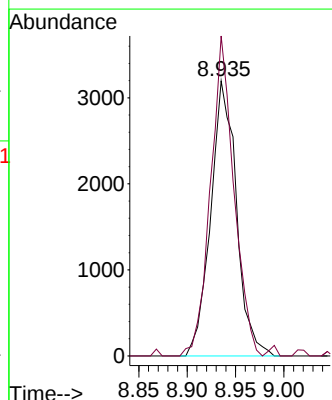
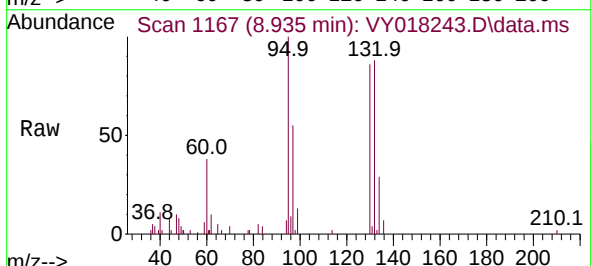
Acq: 13 May 2024 15:48

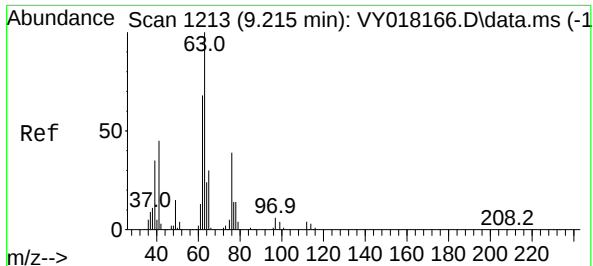
Tgt Ion:130 Resp: 5903

Ion Ratio Lower Upper

130 100

95 116.3 0.0 188.0

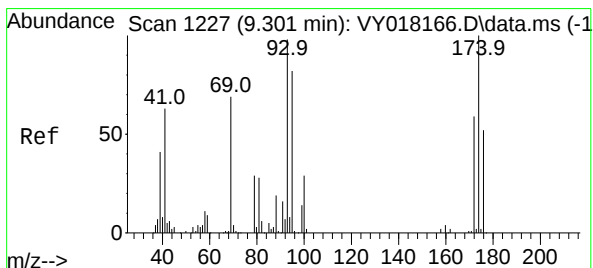
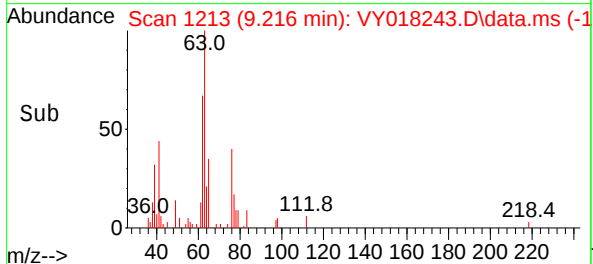
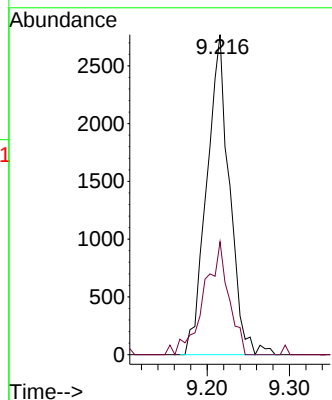
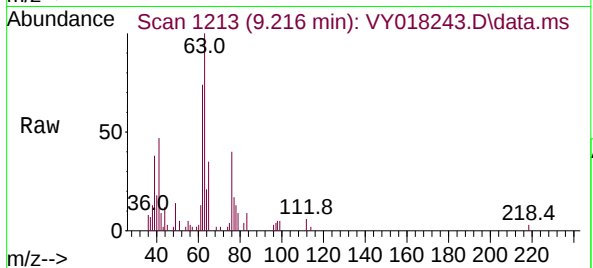




#45  
1,2-Dichloropropane  
Concen: 3.114 ug/l  
RT: 9.216 min Scan# 1213  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

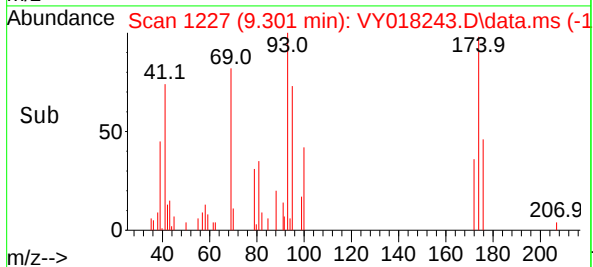
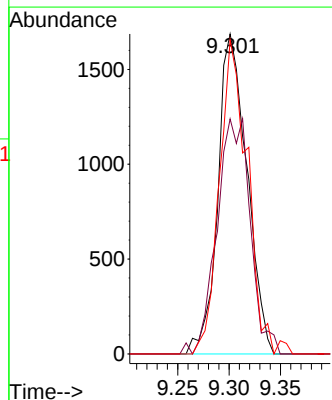
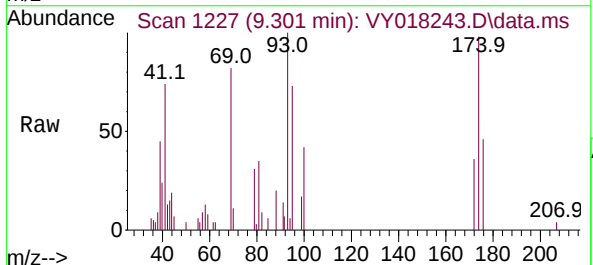
Instrument :  
MSVOA\_Y  
ClientSampleId :

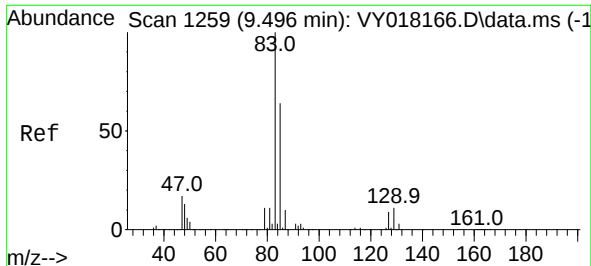
Tgt Ion: 63 Resp: 5333  
Ion Ratio Lower Upper  
63 100  
65 35.3 25.4 38.2



#46  
Dibromomethane  
Concen: 3.365 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 93 Resp: 3313  
Ion Ratio Lower Upper  
93 100  
95 84.5 66.2 99.4  
174 95.5 80.9 121.3

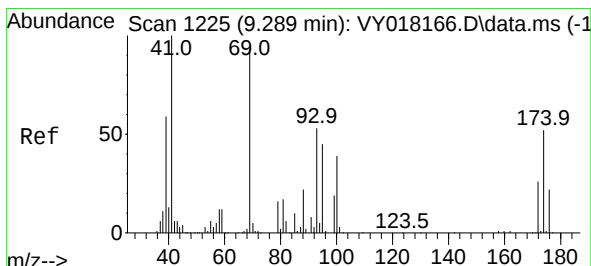
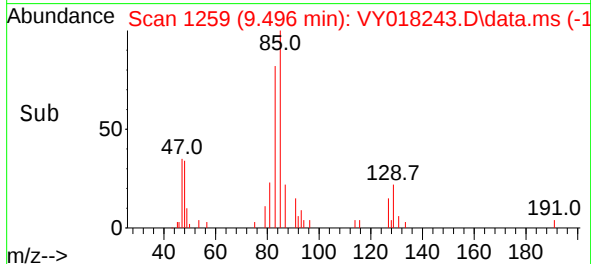
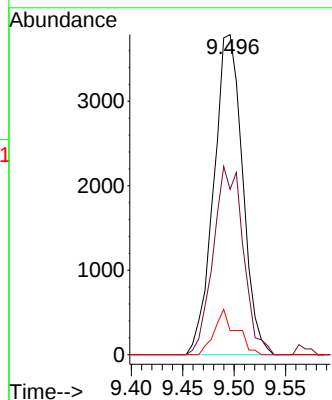
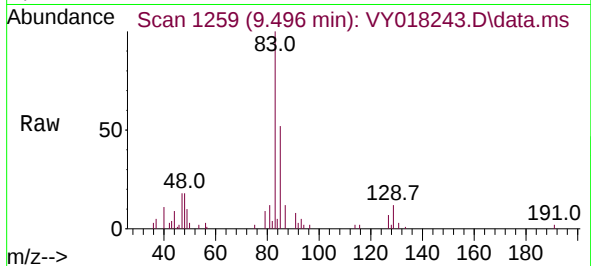




#47  
Bromodichloromethane  
Concen: 3.031 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

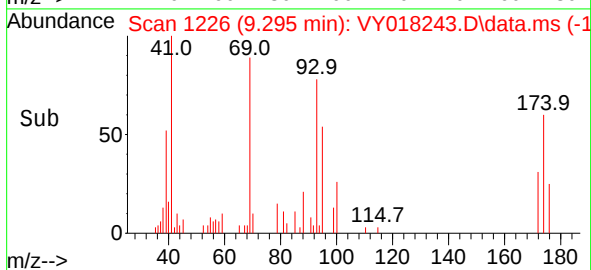
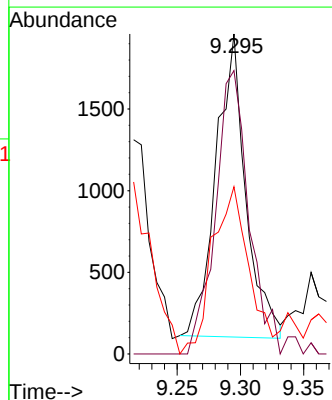
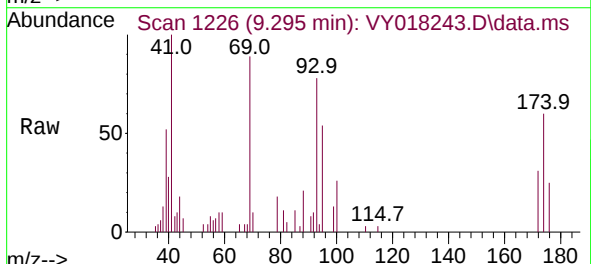
Instrument :  
MSVOA\_Y  
ClientSampleId :

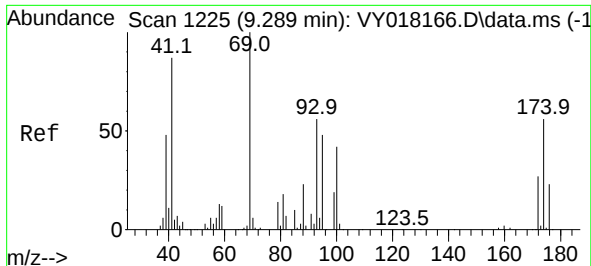
Tgt Ion: 83 Resp: 7378  
Ion Ratio Lower Upper  
83 100  
85 51.6 50.1 75.1  
127 7.5 7.4 11.0



#48  
Methyl methacrylate  
Concen: 3.156 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. 0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 41 Resp: 3039  
Ion Ratio Lower Upper  
41 100  
69 108.0 84.1 126.1  
39 67.4 43.6 65.4#





#49

1,4-Dioxane

Concen: 55.401 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

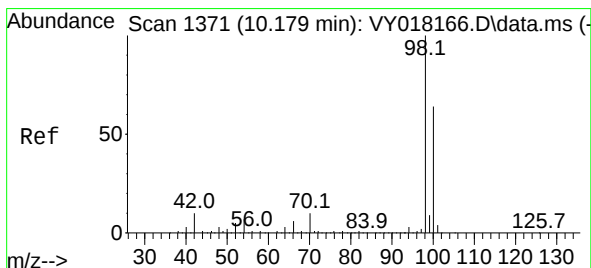
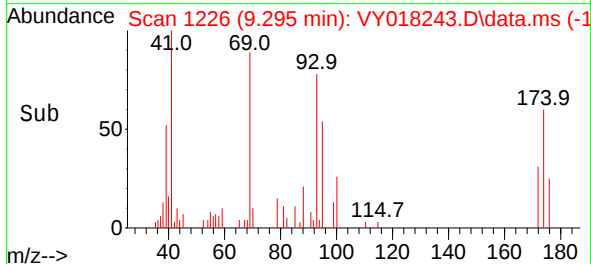
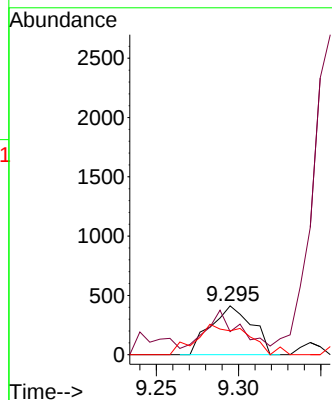
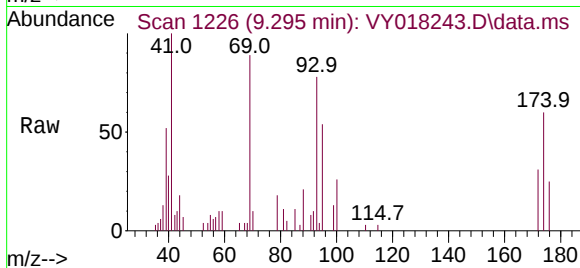
Tgt Ion: 88 Resp: 724

Ion Ratio Lower Upper

88 100

43 59.1 0.0 0.0#

58 78.0 49.3 73.9#



#50

Toluene-d8

Concen: 53.772 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY018243.D

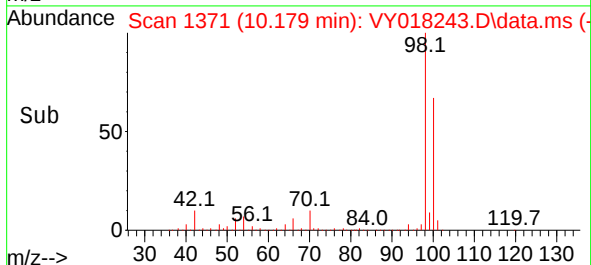
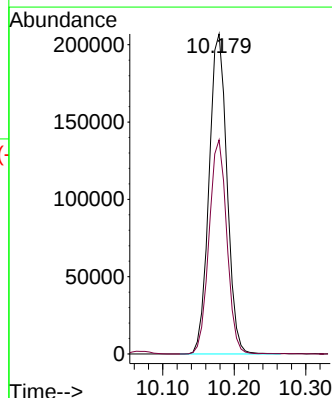
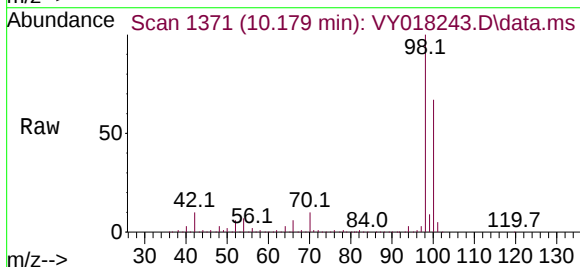
Acq: 13 May 2024 15:48

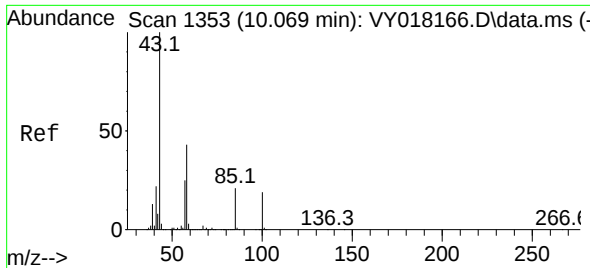
Tgt Ion: 98 Resp: 359956

Ion Ratio Lower Upper

98 100

100 66.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 16.831 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

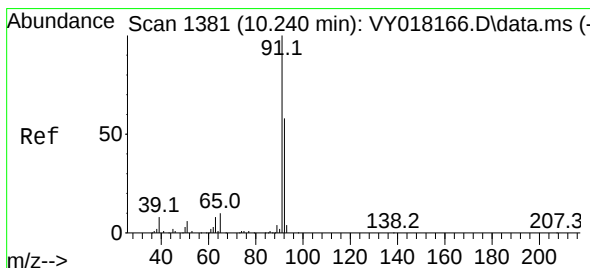
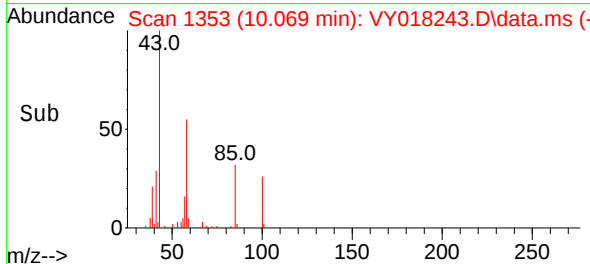
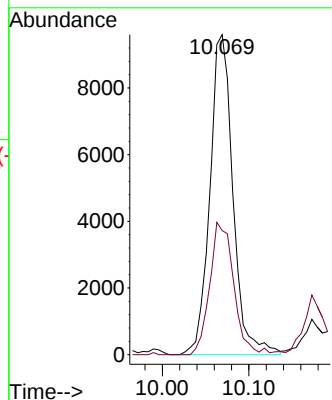
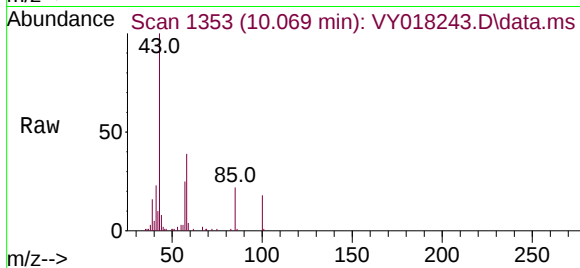
ClientSampleId :

Tgt Ion: 43 Resp: 17773

Ion Ratio Lower Upper

43 100

58 43.1 35.7 53.5



#52

Toluene

Concen: 3.095 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY018243.D

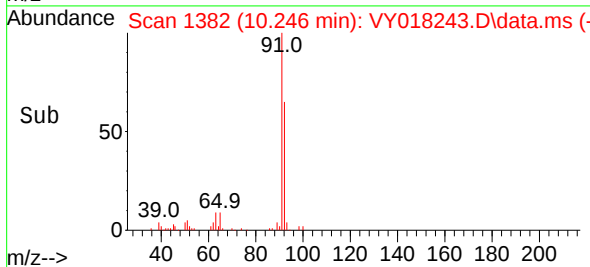
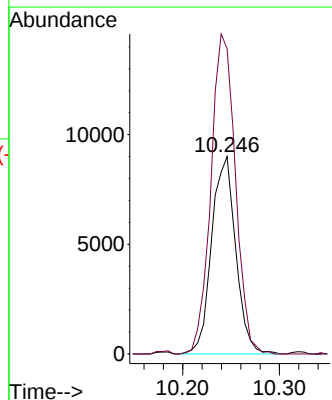
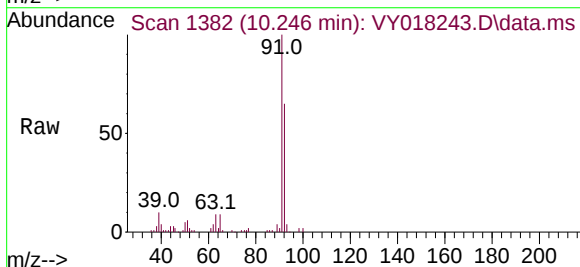
Acq: 13 May 2024 15:48

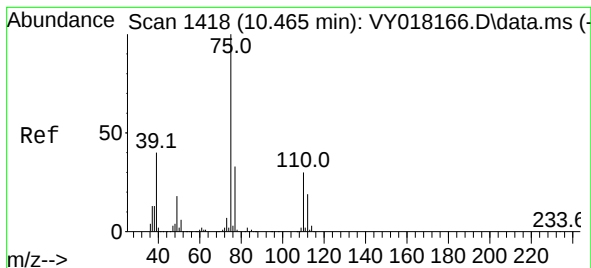
Tgt Ion: 92 Resp: 15607

Ion Ratio Lower Upper

92 100

91 164.9 139.0 208.6

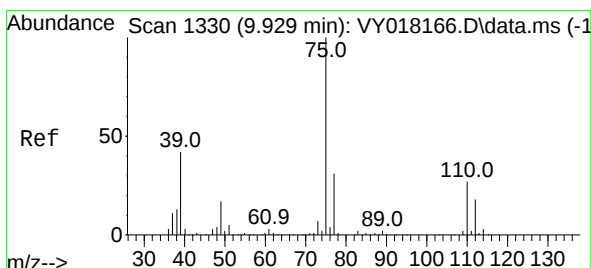
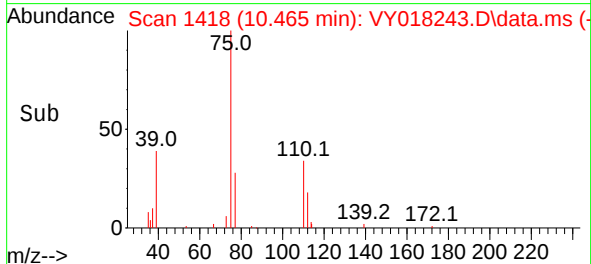
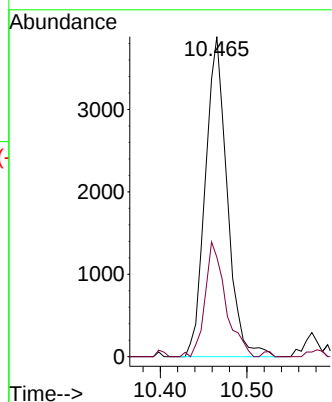
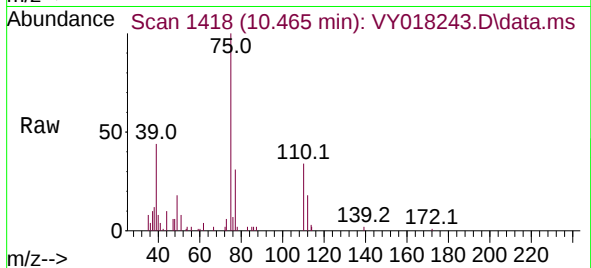




#53  
t-1,3-Dichloropropene  
Concen: 2.988 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

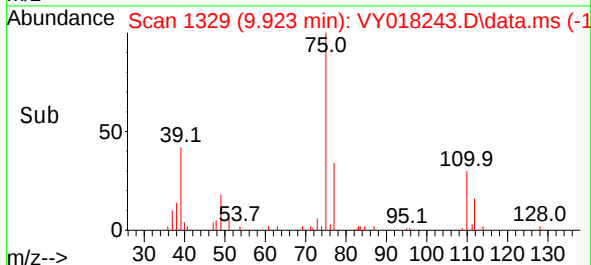
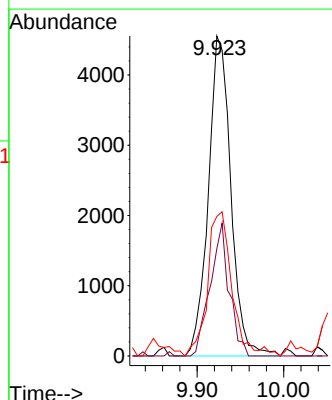
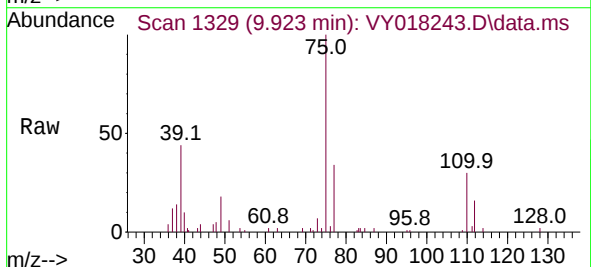
Instrument :  
MSVOA\_Y  
ClientSampleId :

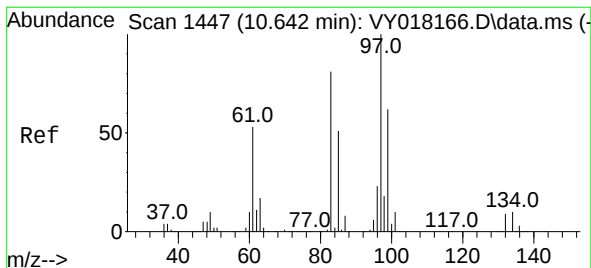
Tgt Ion: 75 Resp: 6792  
Ion Ratio Lower Upper  
75 100  
77 31.1 24.1 36.1



#54  
cis-1,3-Dichloropropene  
Concen: 2.966 ug/l  
RT: 9.923 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 75 Resp: 8242  
Ion Ratio Lower Upper  
75 100  
77 33.5 25.4 38.0  
39 43.6 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 3.312 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

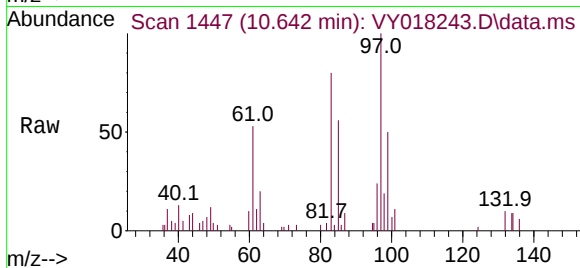
Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 97 Resp: 4479

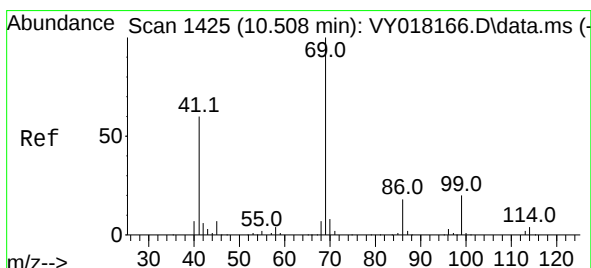
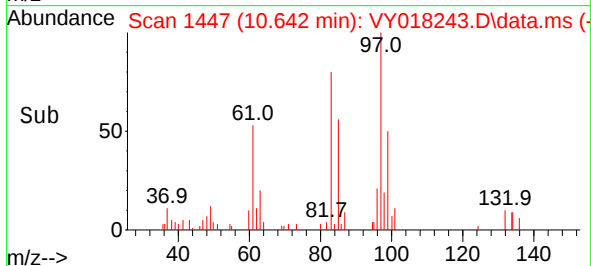
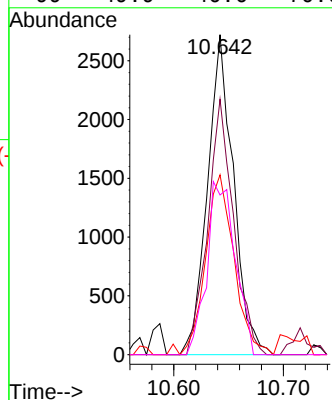
Ion Ratio Lower Upper

97 100

83 79.9 67.5 101.3

85 56.2 42.9 64.3

99 49.9 46.6 70.0



#56

Ethyl methacrylate

Concen: 3.258 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

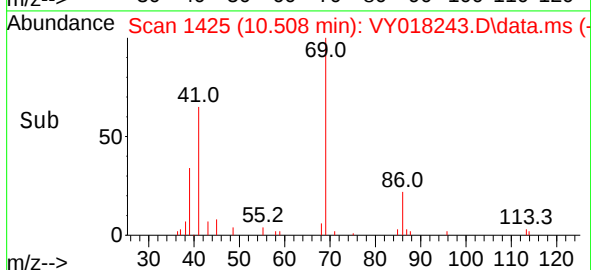
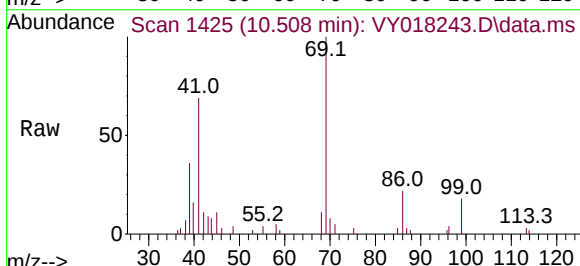
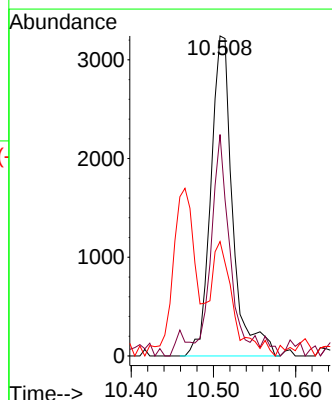
Tgt Ion: 69 Resp: 5984

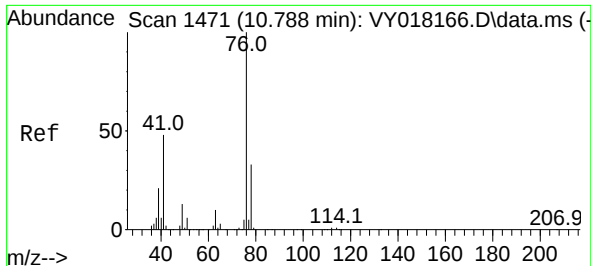
Ion Ratio Lower Upper

69 100

41 48.7 42.3 63.5

39 35.5 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 3.168 ug/l

RT: 10.795 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

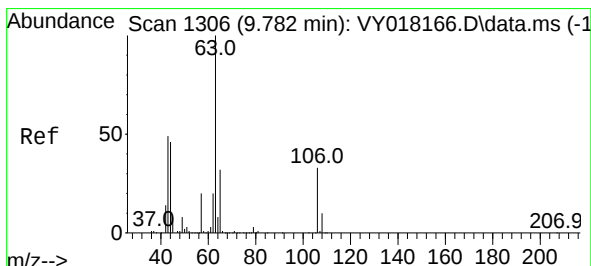
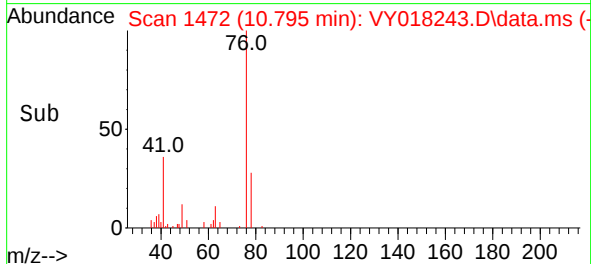
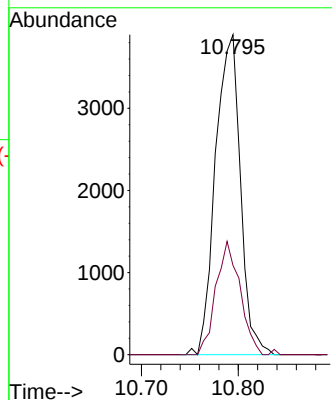
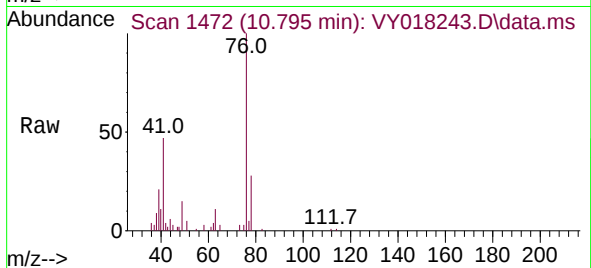
ClientSampleId :

Tgt Ion: 76 Resp: 6974

Ion Ratio Lower Upper

76 100

78 34.3 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 15.050 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY018243.D

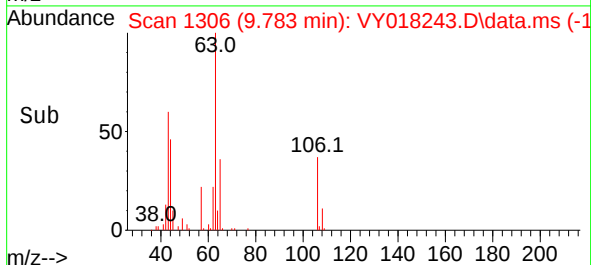
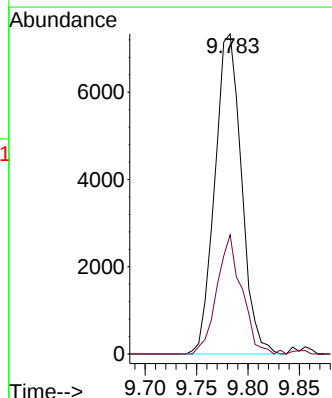
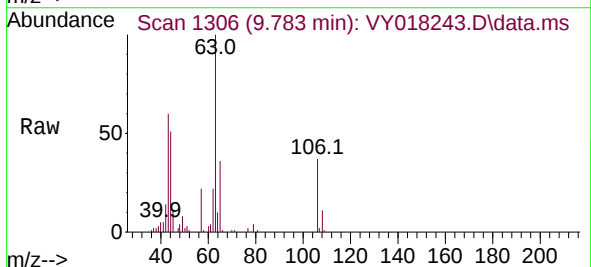
Acq: 13 May 2024 15:48

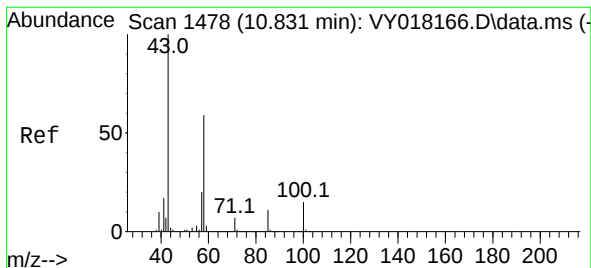
Tgt Ion: 63 Resp: 13200

Ion Ratio Lower Upper

63 100

106 34.7 23.7 35.5





#59

2-Hexanone

Concen: 15.492 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

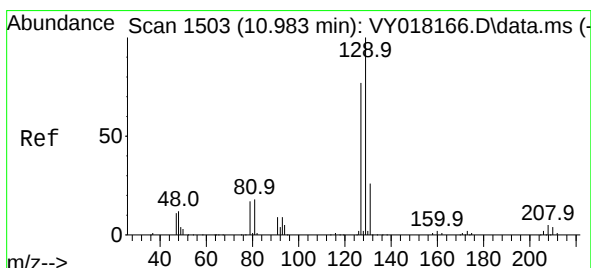
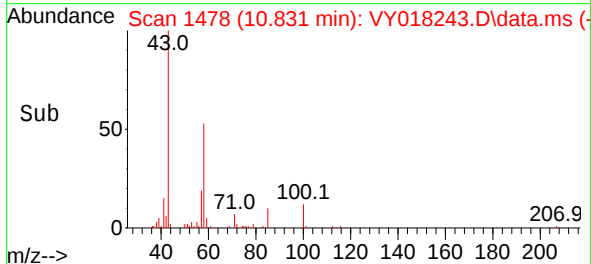
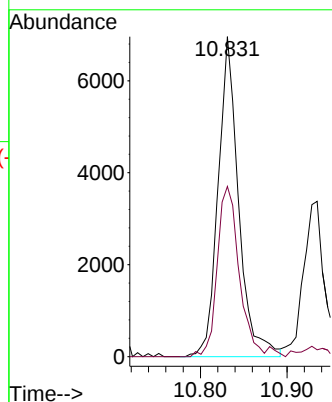
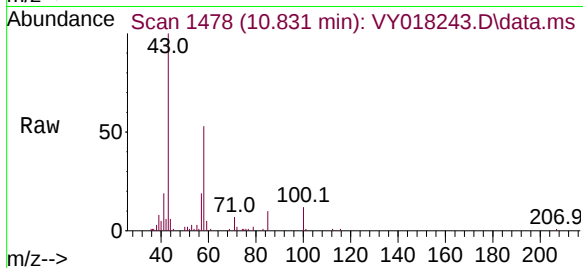
ClientSampleId :

Tgt Ion: 43 Resp: 11438

Ion Ratio Lower Upper

43 100

58 56.4 31.4 94.0



#60

Dibromochloromethane

Concen: 2.887 ug/l

RT: 10.977 min Scan# 1502

Delta R.T. -0.006 min

Lab File: VY018243.D

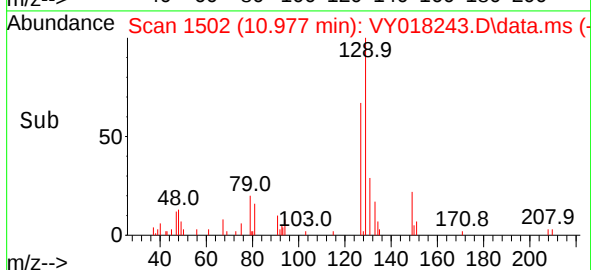
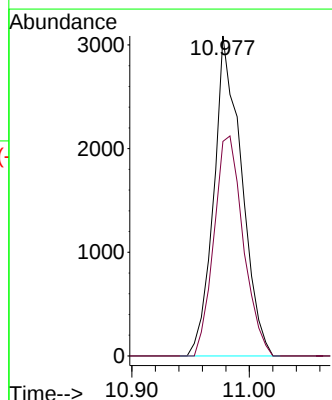
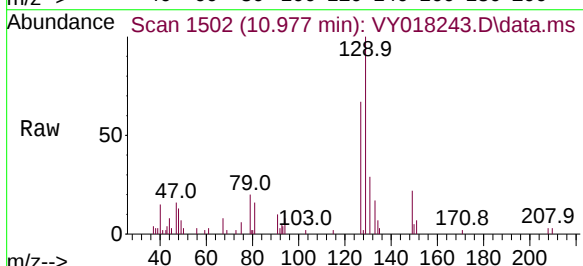
Acq: 13 May 2024 15:48

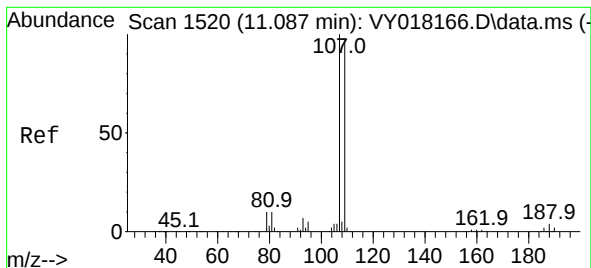
Tgt Ion: 129 Resp: 5066

Ion Ratio Lower Upper

129 100

127 72.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 3.250 ug/l

RT: 11.087 min Scan# 1520

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

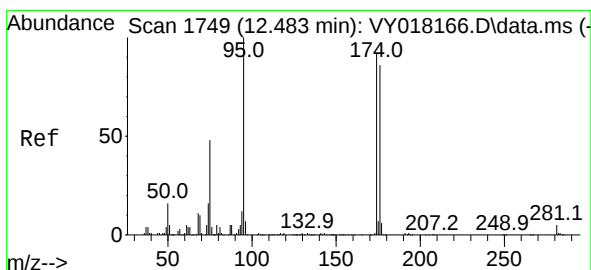
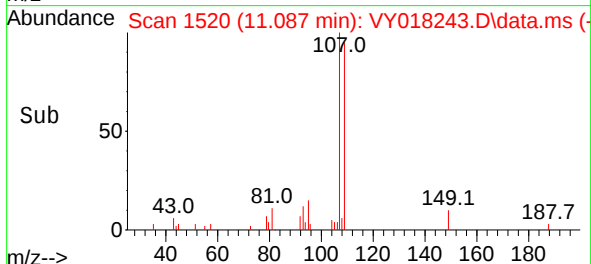
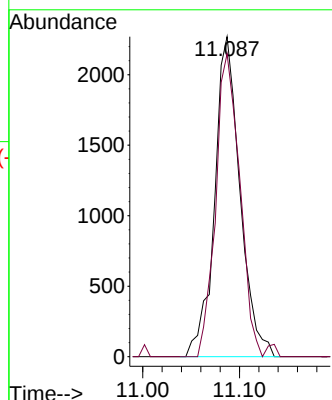
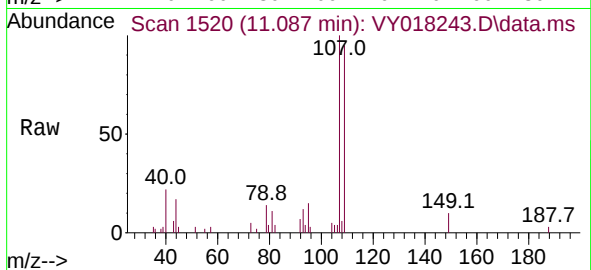
ClientSampleId :

Tgt Ion:107 Resp: 4140

Ion Ratio Lower Upper

107 100

109 89.4 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 51.757 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

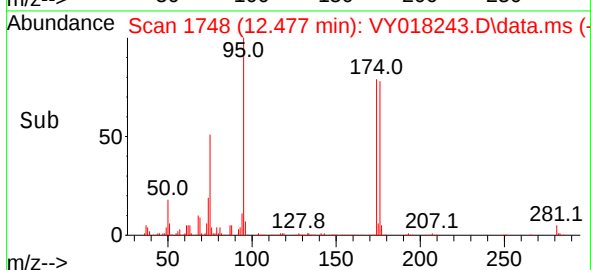
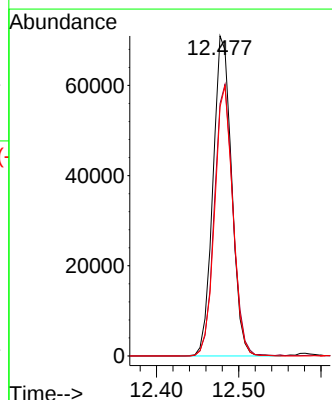
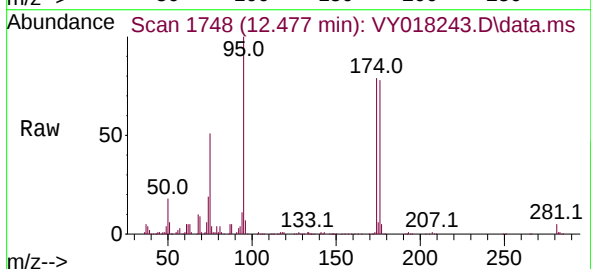
Tgt Ion: 95 Resp: 111890

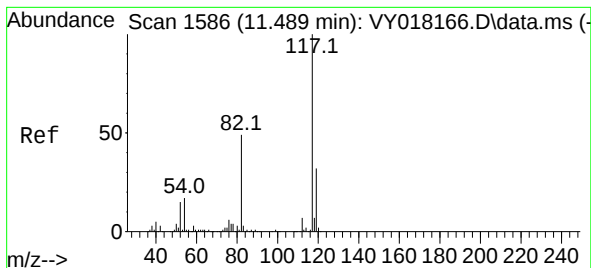
Ion Ratio Lower Upper

95 100

174 84.1 0.0 175.6

176 82.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

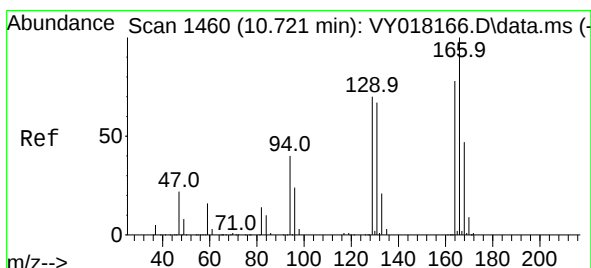
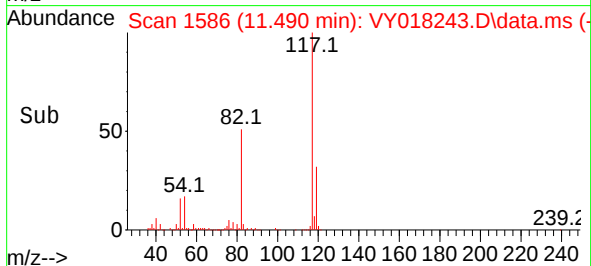
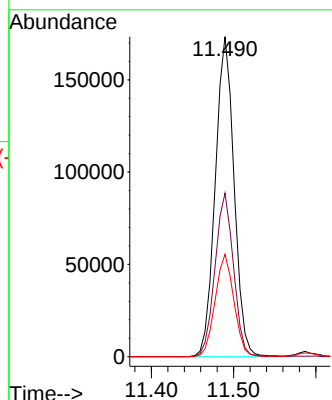
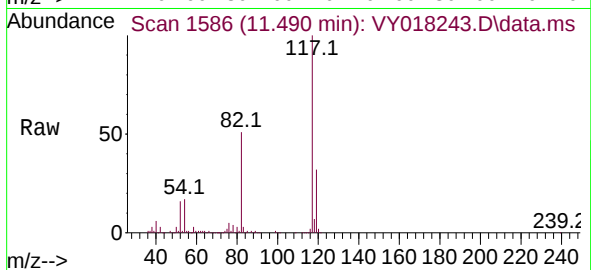
Tgt Ion:117 Resp: 275236

Ion Ratio Lower Upper

117 100

82 51.1 42.4 63.6

119 32.0 25.9 38.9



#64

Tetrachloroethene

Concen: 3.051 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Tgt Ion:164 Resp: 5591

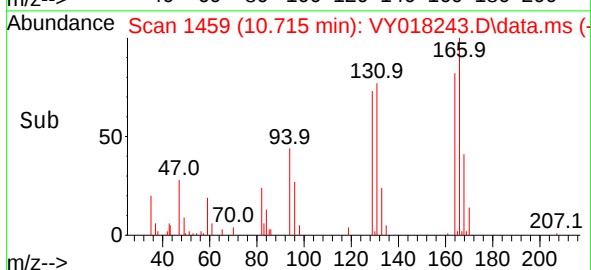
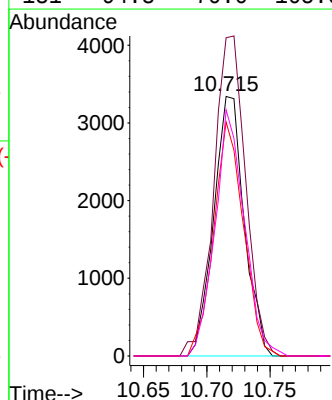
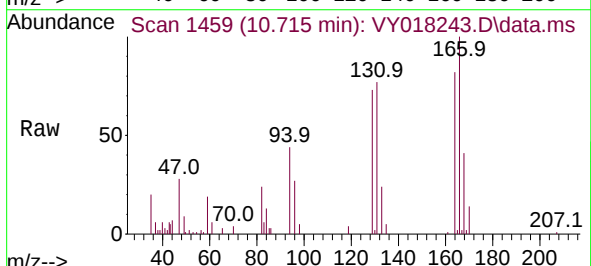
Ion Ratio Lower Upper

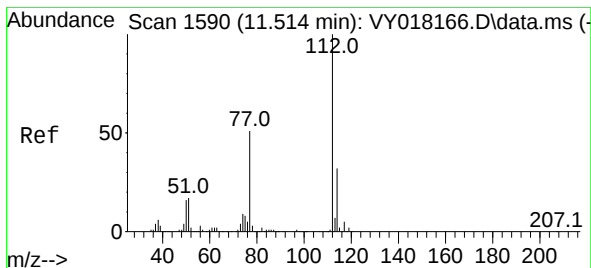
164 100

166 122.6 102.6 154.0

129 90.1 72.0 108.0

131 94.8 70.0 105.0





#65

Chlorobenzene

Concen: 3.061 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

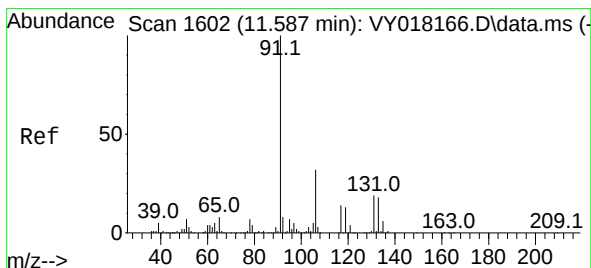
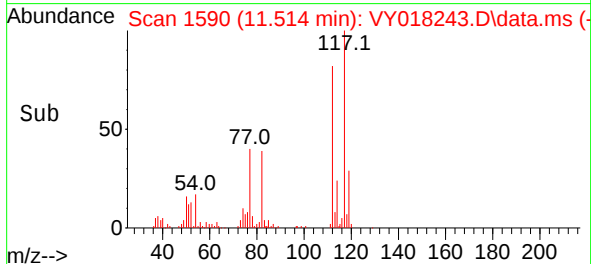
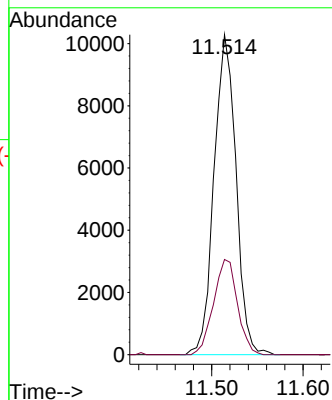
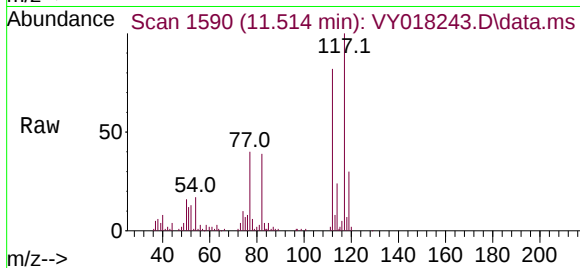
ClientSampleId :

Tgt Ion:112 Resp: 17158

Ion Ratio Lower Upper

112 100

114 29.7 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 2.899 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

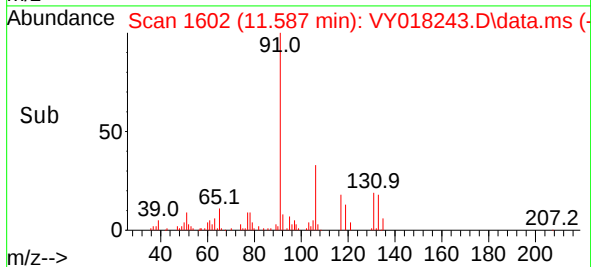
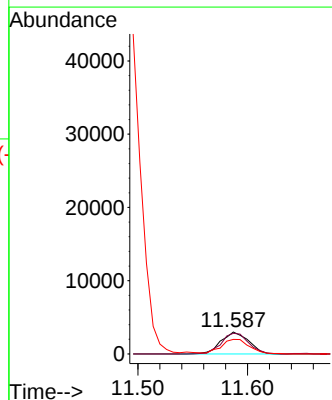
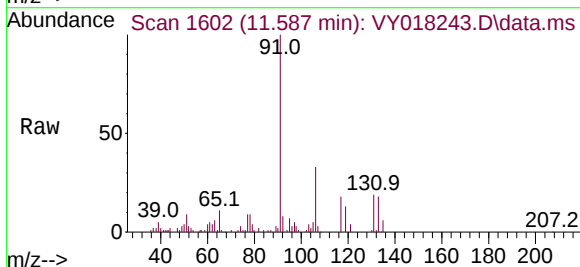
Tgt Ion:131 Resp: 5256

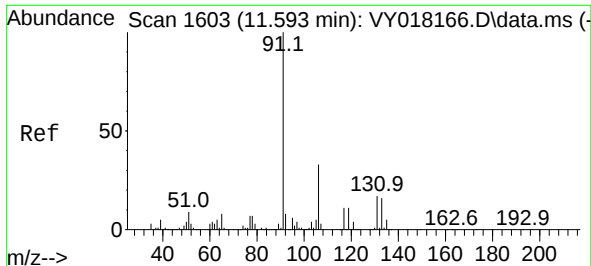
Ion Ratio Lower Upper

131 100

133 93.5 47.8 143.3

119 68.3 34.1 102.2





#67

Ethyl Benzene

Concen: 3.002 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

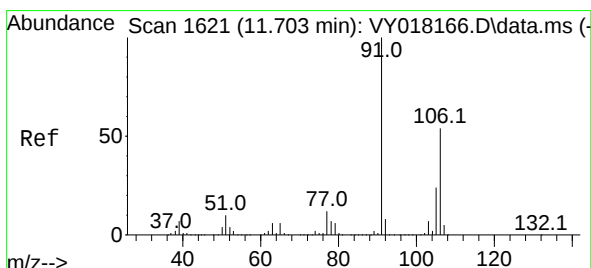
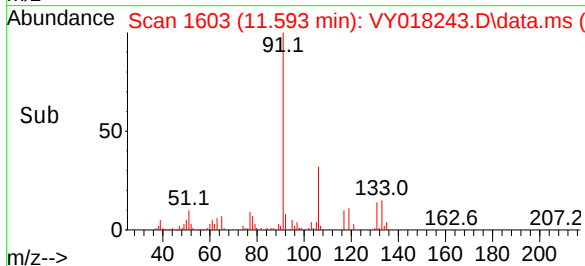
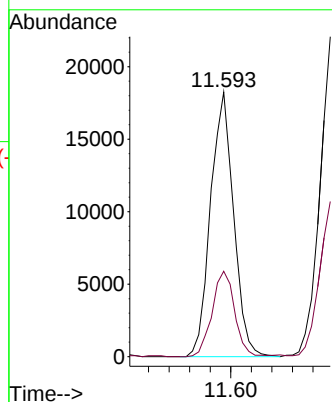
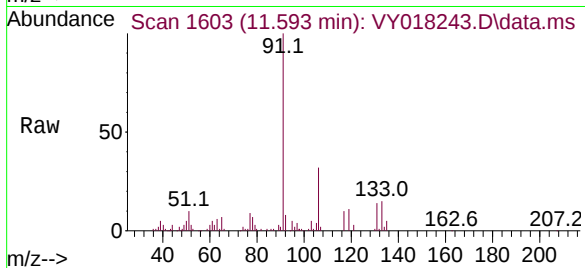
ClientSampleId :

Tgt Ion: 91 Resp: 28410

Ion Ratio Lower Upper

91 100

106 32.3 24.5 36.7



#68

m/p-Xylenes

Concen: 5.824 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY018243.D

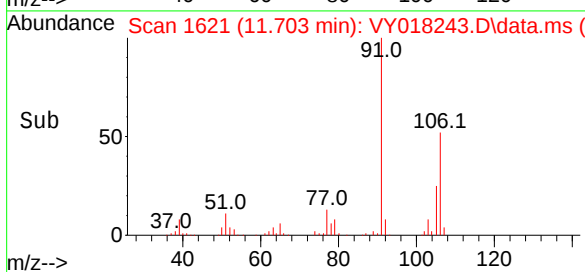
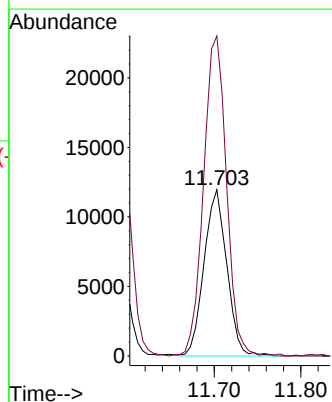
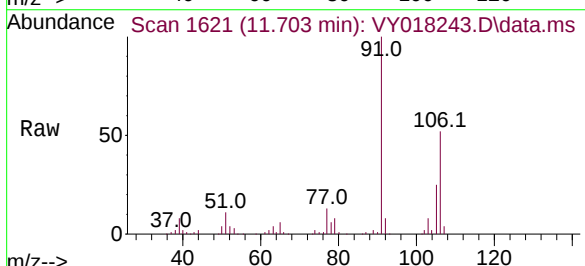
Acq: 13 May 2024 15:48

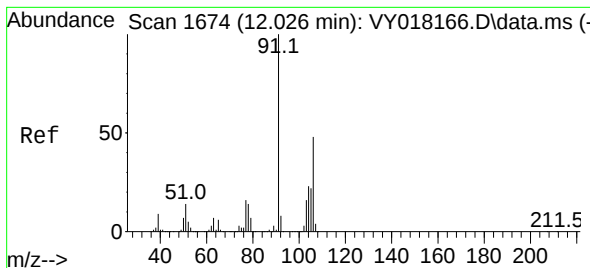
Tgt Ion:106 Resp: 21797

Ion Ratio Lower Upper

106 100

91 194.6 156.0 234.0





#69

o-Xylene

Concen: 2.965 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

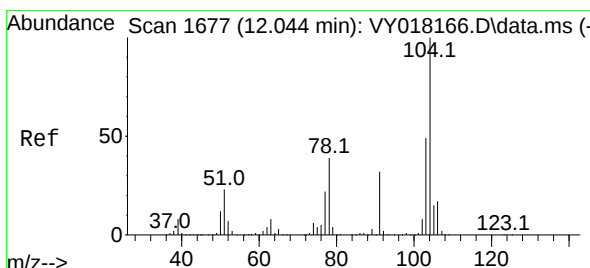
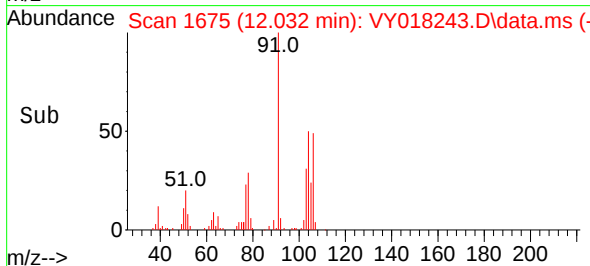
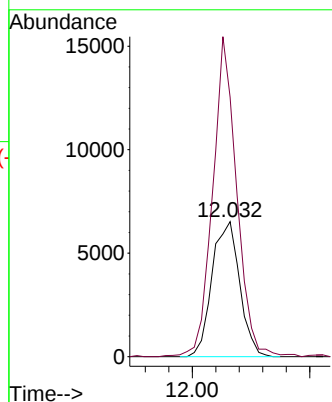
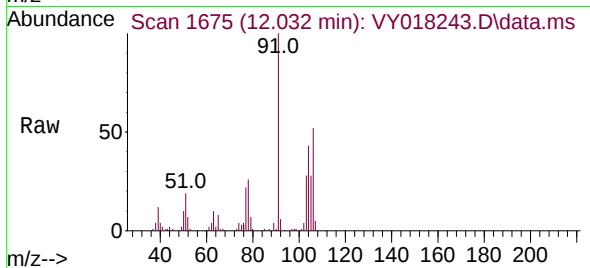
ClientSampleId :

Tgt Ion:106 Resp: 10651

Ion Ratio Lower Upper

106 100

91 206.3 103.6 310.8



#70

Styrene

Concen: 2.790 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

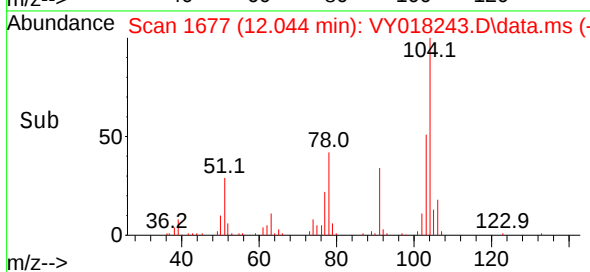
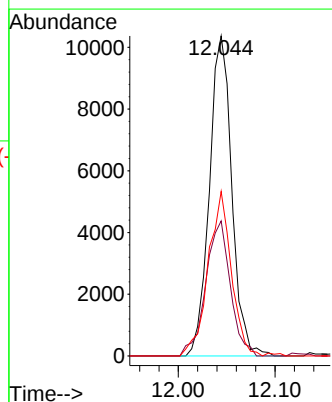
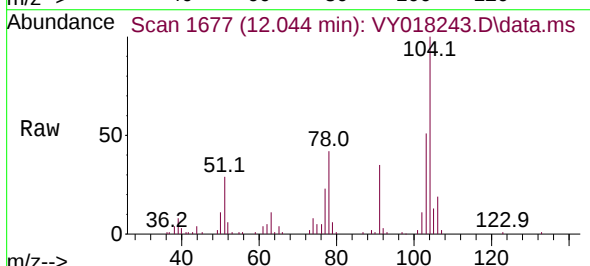
Tgt Ion:104 Resp: 16738

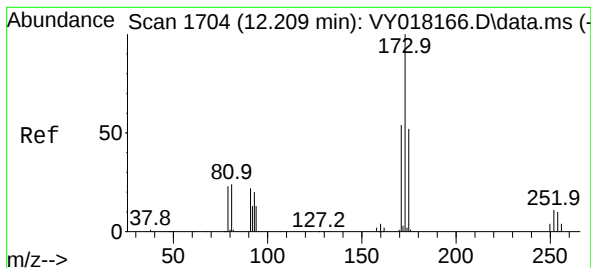
Ion Ratio Lower Upper

104 100

78 46.1 37.0 55.4

103 53.0 44.2 66.2





#71

Bromoform

Concen: 2.971 ug/l

RT: 12.203 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

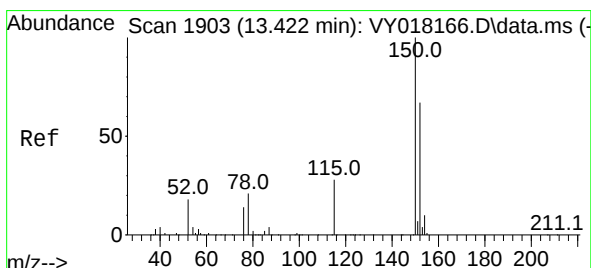
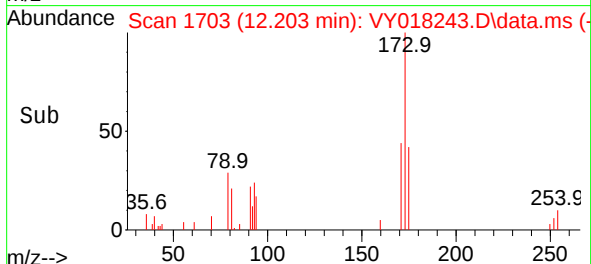
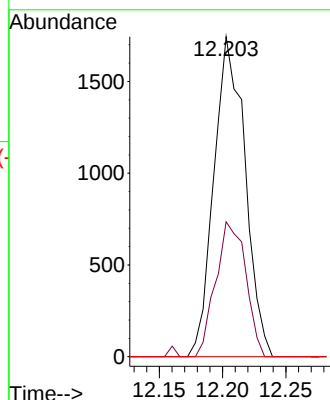
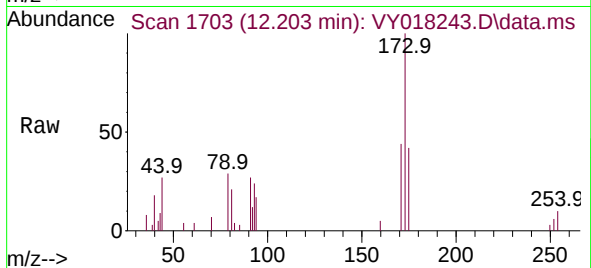
Tgt Ion:173 Resp: 2981

Ion Ratio Lower Upper

173 100

175 40.7 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

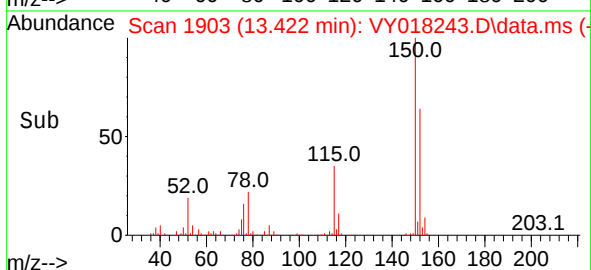
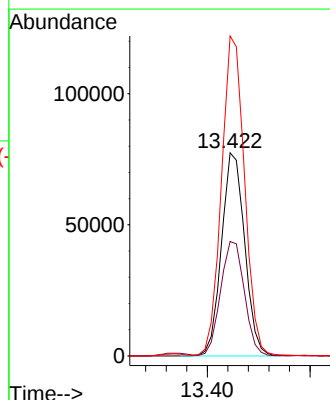
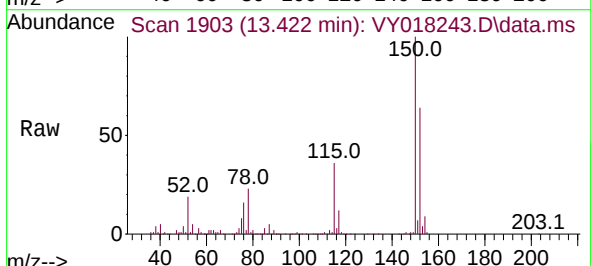
Tgt Ion:152 Resp: 121171

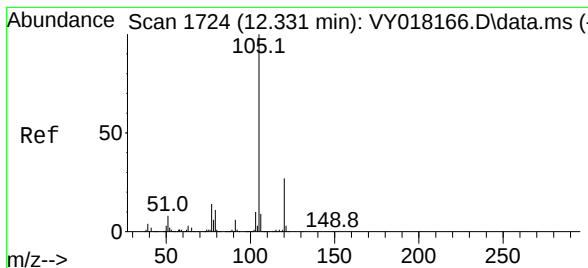
Ion Ratio Lower Upper

152 100

115 57.9 28.2 84.7

150 156.4 0.0 345.6





#73

Isopropylbenzene

Concen: 2.874 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

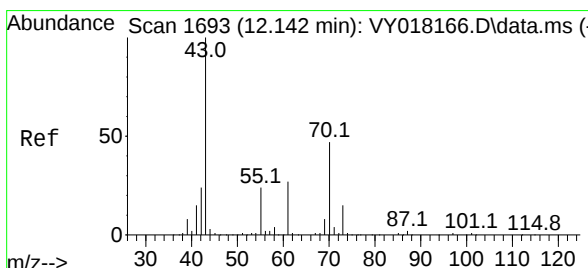
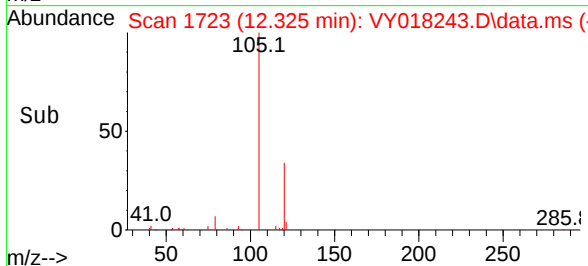
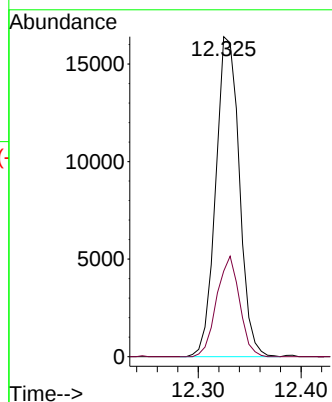
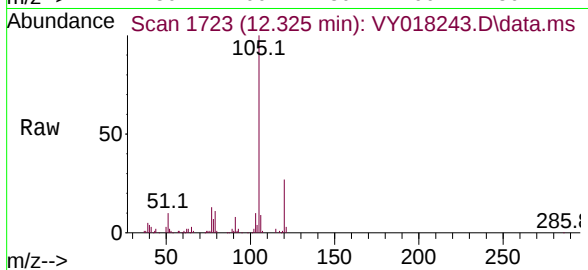
ClientSampleId :

Tgt Ion:105 Resp: 26109

Ion Ratio Lower Upper

105 100

120 30.4 13.4 40.1



#74

N-ethyl acetate

Concen: 3.053 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Tgt Ion: 43 Resp: 5757

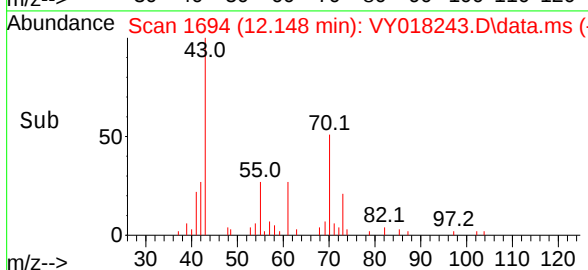
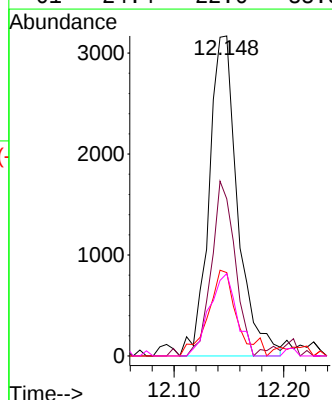
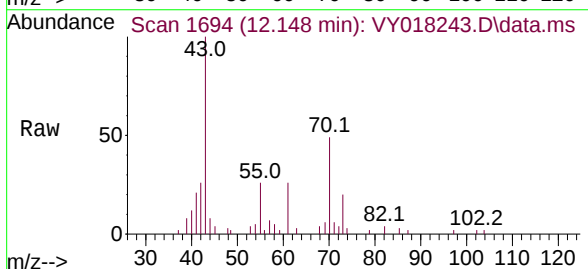
Ion Ratio Lower Upper

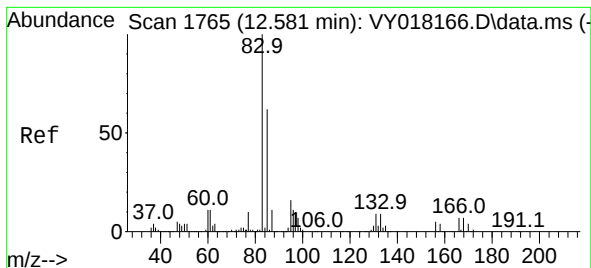
43 100

70 45.3 41.4 62.2

55 27.2 23.3 34.9

61 24.4 22.6 33.8

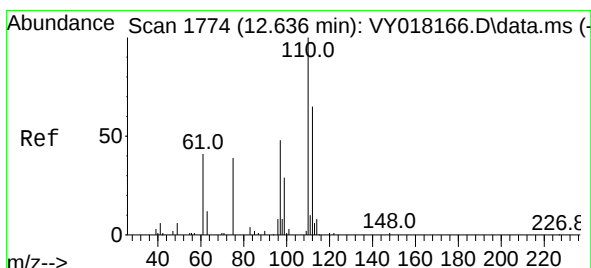
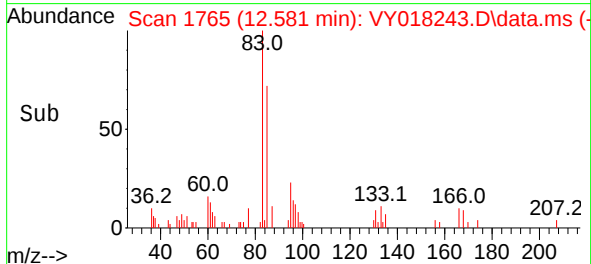
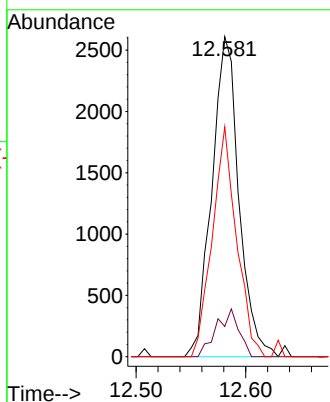
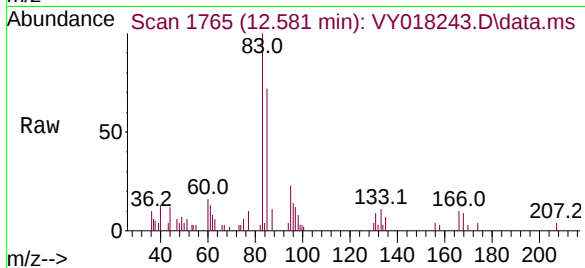




#75  
1,1,2,2-Tetrachloroethane  
Concen: 3.091 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

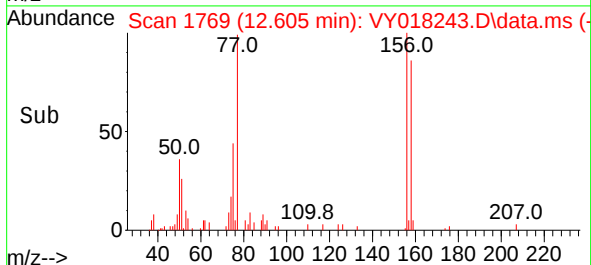
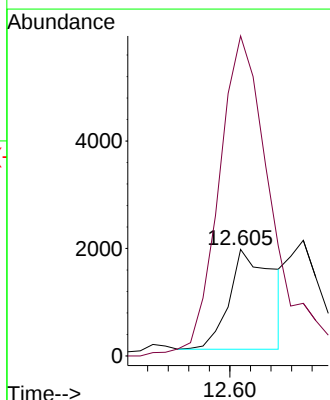
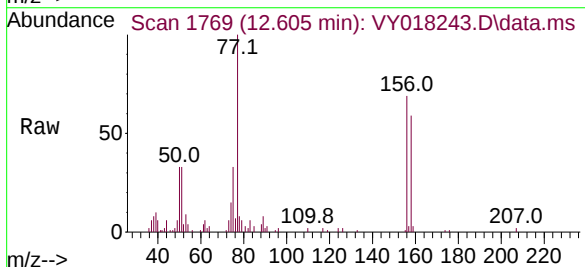
Instrument :  
MSVOA\_Y  
ClientSampleId :

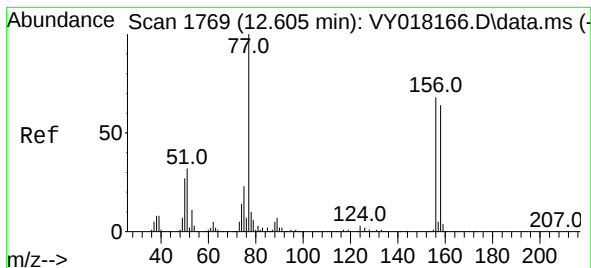
| Tgt Ion | 83    | Resp  | 4480  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 131     | 12.4  | 5.0   | 14.9  |
| 85      | 64.4  | 32.0  | 96.0  |



#76  
1,2,3-Trichloropropane  
Concen: 2.857 ug/l  
RT: 12.605 min Scan# 1769  
Delta R.T. -0.030 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

| Tgt Ion | 75    | Resp  | 2771  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 75      | 100   |       |       |
| 77      | 379.9 | 0.0   | 0.0#  |





#77

Bromobenzene

Concen: 3.114 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY018243.D

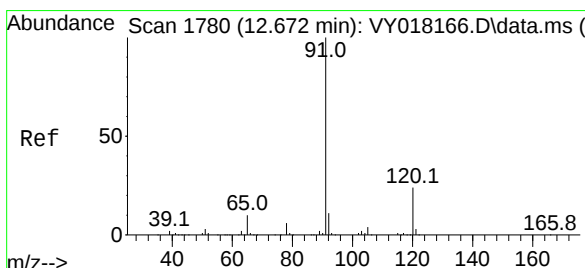
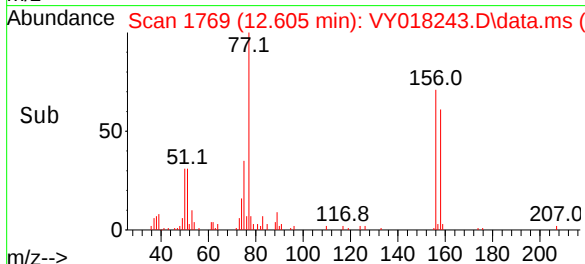
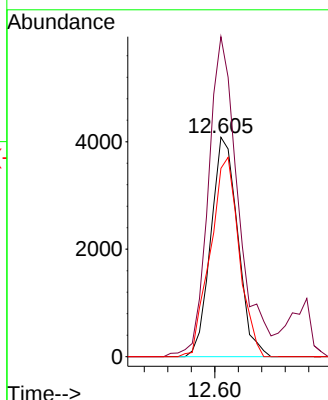
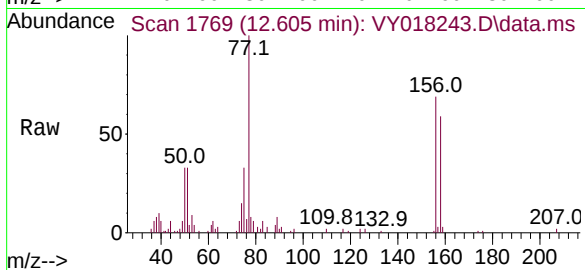
Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 6500  |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 162.0 | 87.1  | 261.3 |
| 158       | 96.9  | 48.6  | 145.9 |



#78

n-propylbenzene

Concen: 3.001 ug/l

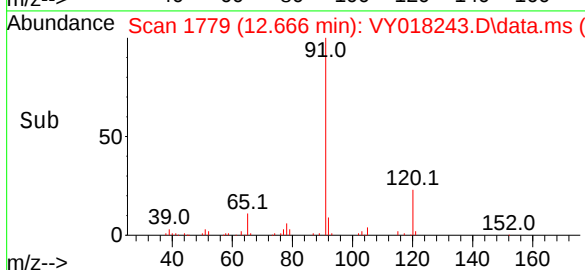
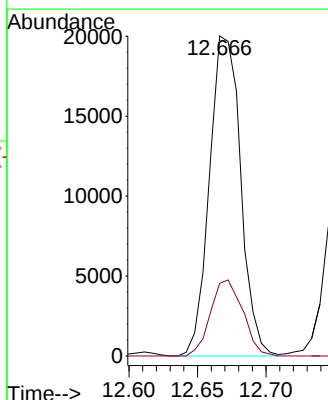
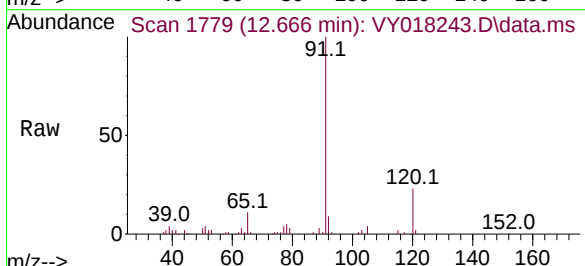
RT: 12.666 min Scan# 1779

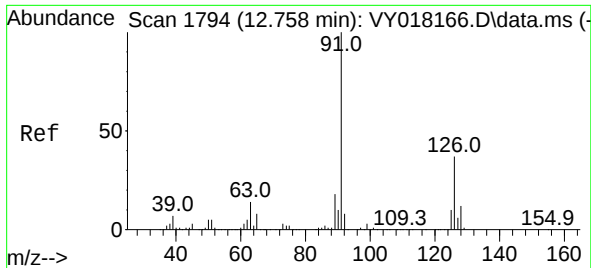
Delta R.T. -0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 31717 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 24.6  | 11.5  | 34.4  |





#79

2-Chlorotoluene

Concen: 3.064 ug/l

RT: 12.758 min Scan# 17992

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

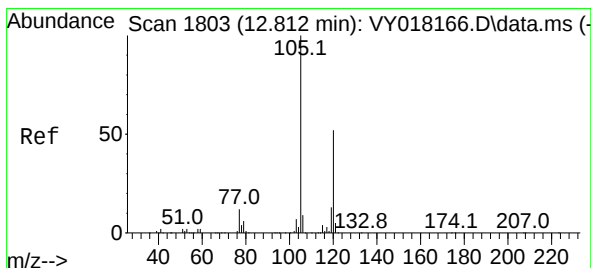
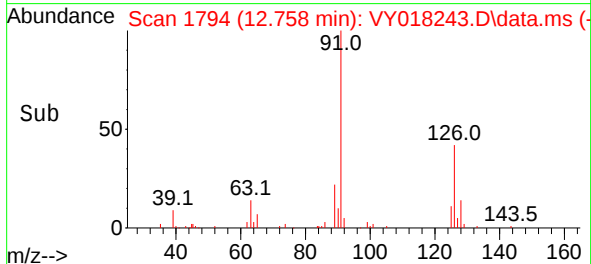
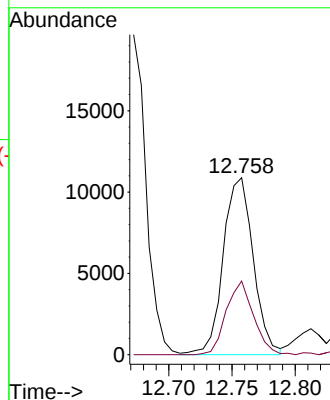
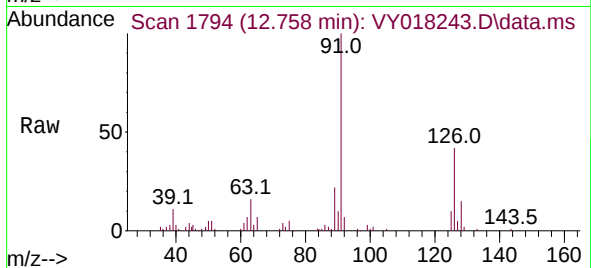
ClientSampleId :

Tgt Ion: 91 Resp: 17992

Ion Ratio Lower Upper

91 100

126 37.8 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 2.924 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY018243.D

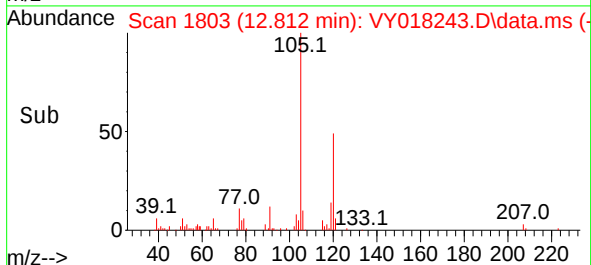
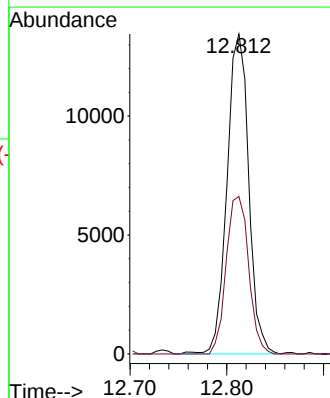
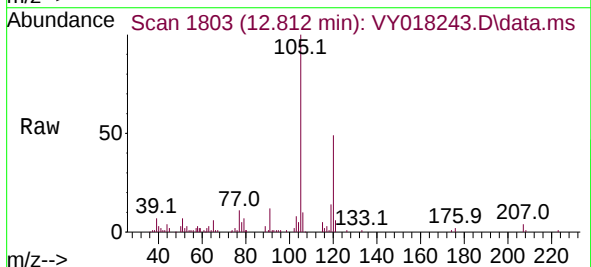
Acq: 13 May 2024 15:48

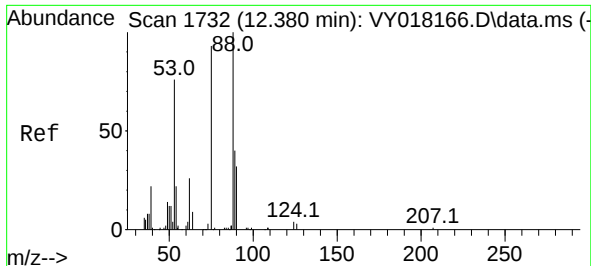
Tgt Ion:105 Resp: 20949

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.2

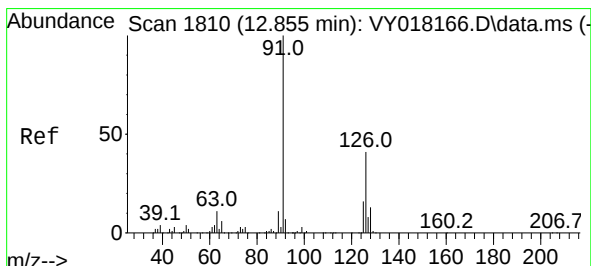
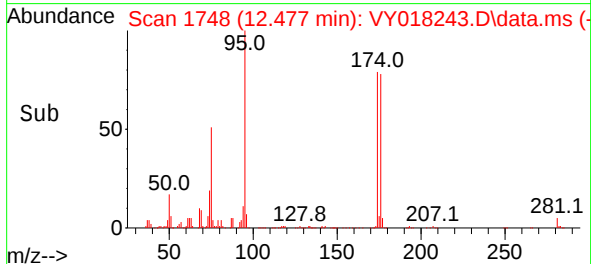
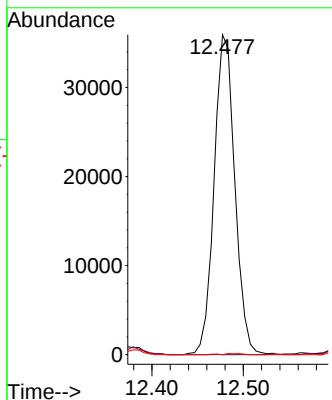
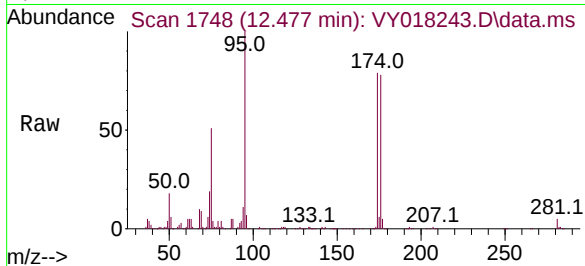




#81  
trans-1,4-Dichloro-2-butene  
Concen: 112.386 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

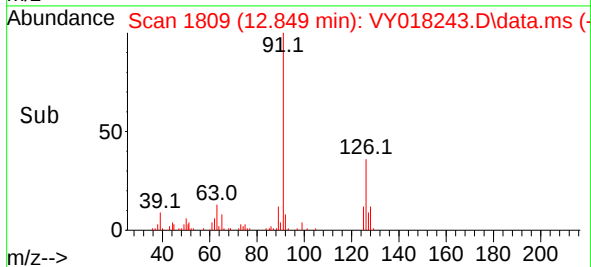
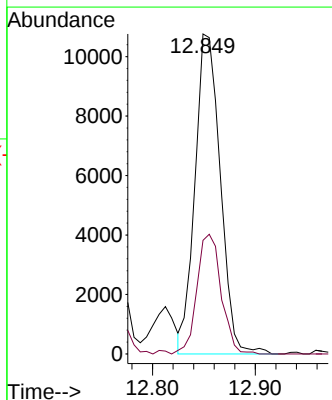
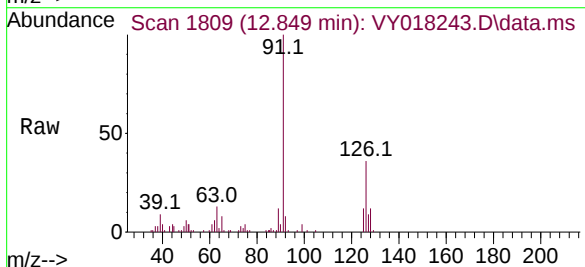
Instrument :  
MSVOA\_Y  
ClientSampleId :

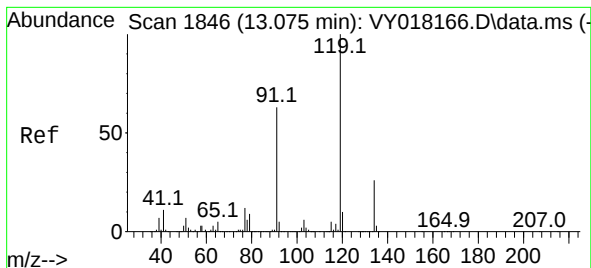
Tgt Ion: 75 Resp: 56576  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.4 35.8 53.6#



#82  
4-Chlorotoluene  
Concen: 3.127 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion: 91 Resp: 18442  
Ion Ratio Lower Upper  
91 100  
126 35.9 17.6 52.9





#83

tert-Butylbenzene

Concen: 3.025 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

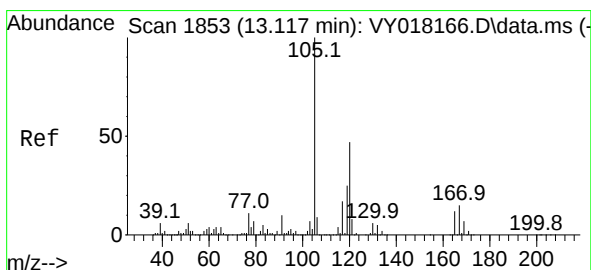
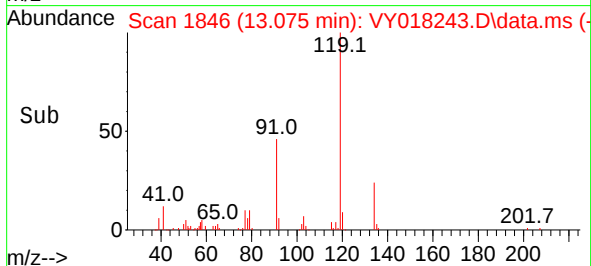
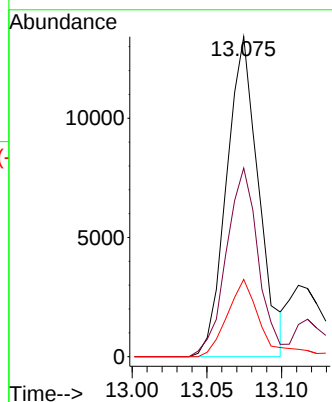
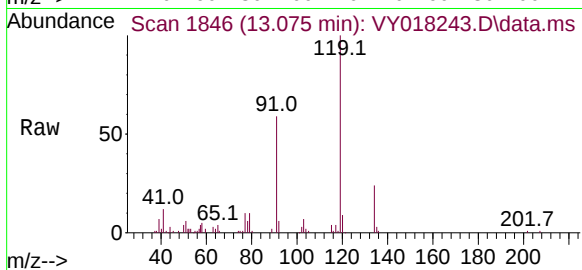
Tgt Ion:119 Resp: 19990

Ion Ratio Lower Upper

119 100

91 58.8 31.3 93.8

134 25.3 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 2.908 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY018243.D

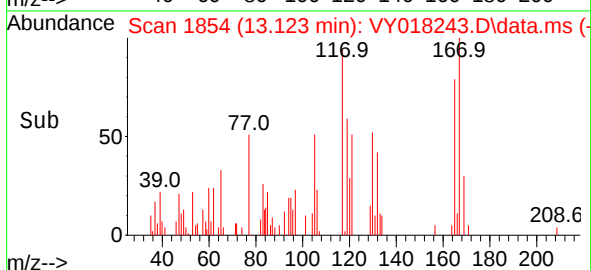
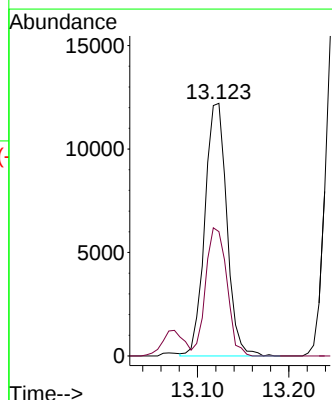
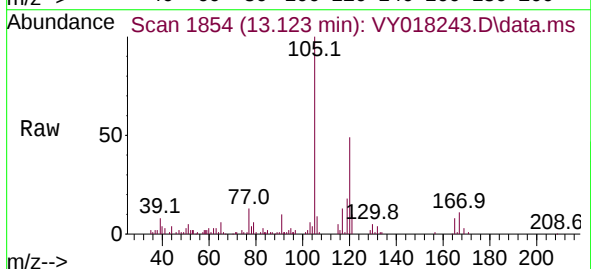
Acq: 13 May 2024 15:48

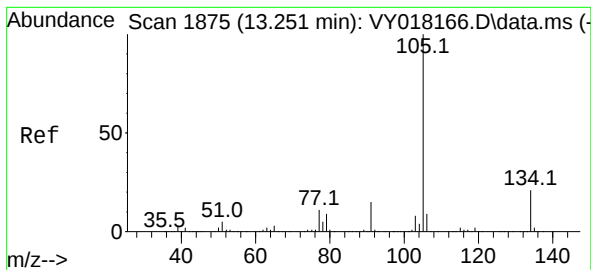
Tgt Ion:105 Resp: 20405

Ion Ratio Lower Upper

105 100

120 49.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 2.906 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

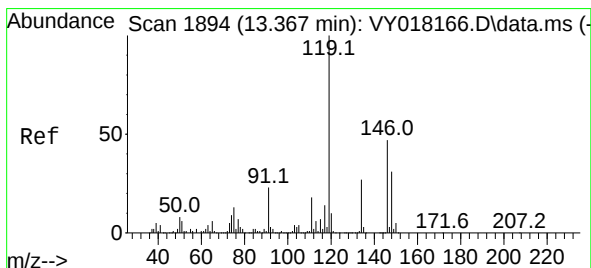
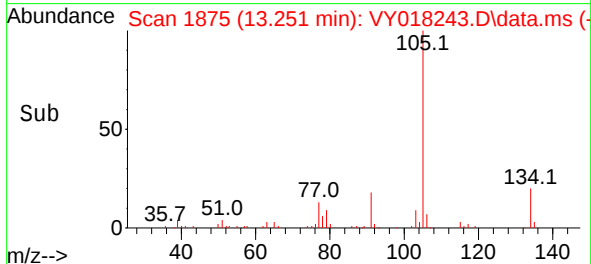
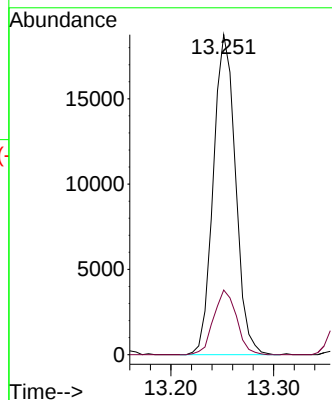
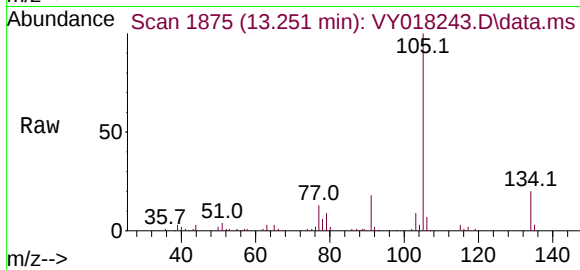
ClientSampleId :

Tgt Ion:105 Resp: 28164

Ion Ratio Lower Upper

105 100

134 20.9 10.1 30.1



#86

p-Isopropyltoluene

Concen: 2.871 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

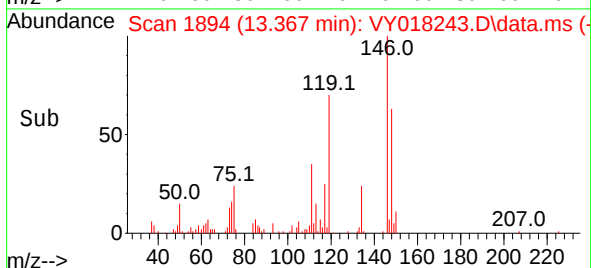
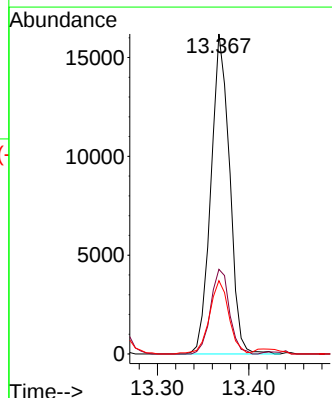
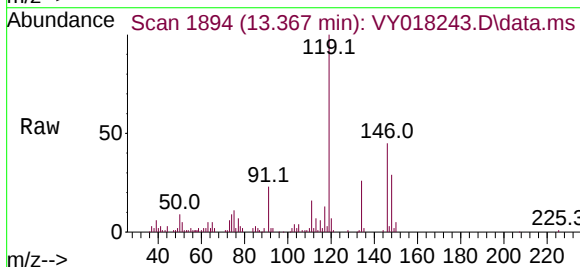
Tgt Ion:119 Resp: 22891

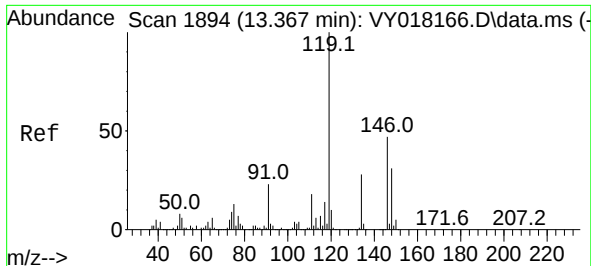
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 23.9 10.7 32.1

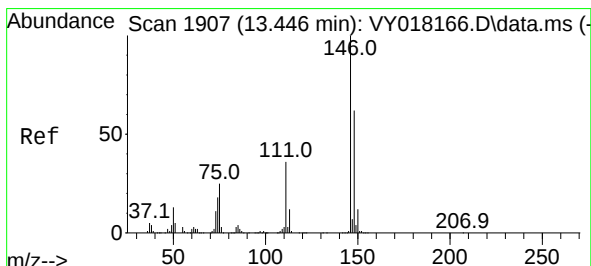
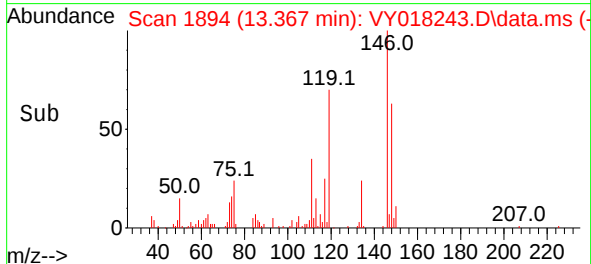
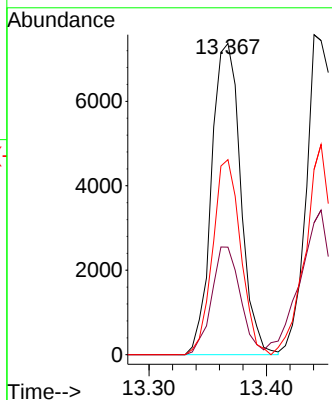
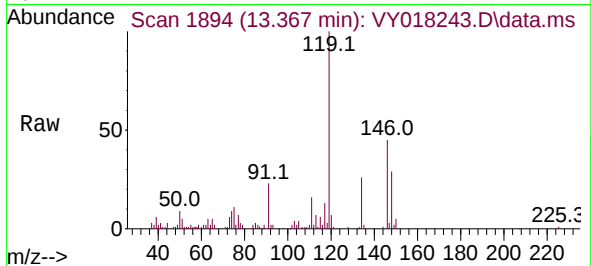




#87  
1,3-Dichlorobenzene  
Concen: 3.150 ug/l  
RT: 13.367 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

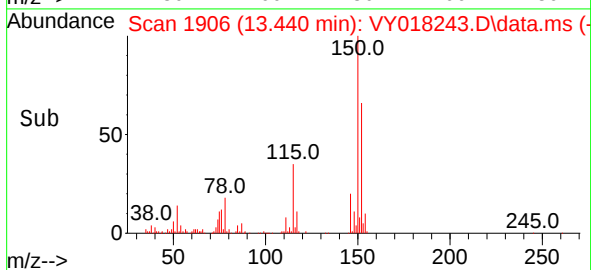
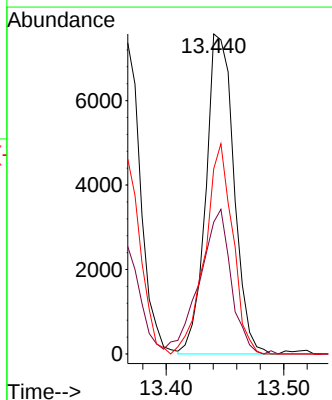
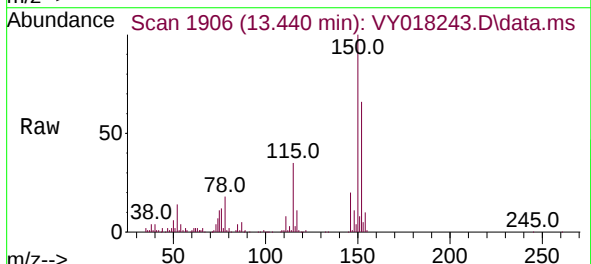
Instrument :  
MSVOA\_Y  
ClientSampleId :

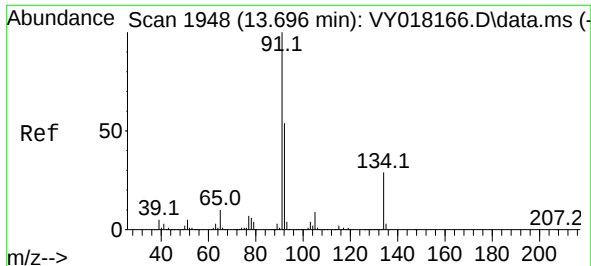
Tgt Ion:146 Resp: 12698  
Ion Ratio Lower Upper  
146 100  
111 34.3 19.0 57.0  
148 60.2 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 3.197 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: VY018243.D  
Acq: 13 May 2024 15:48

Tgt Ion:146 Resp: 12561  
Ion Ratio Lower Upper  
146 100  
111 50.8 18.4 55.4  
148 64.8 32.4 97.2





#89

n-Butylbenzene

Concen: 2.968 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY018243.D

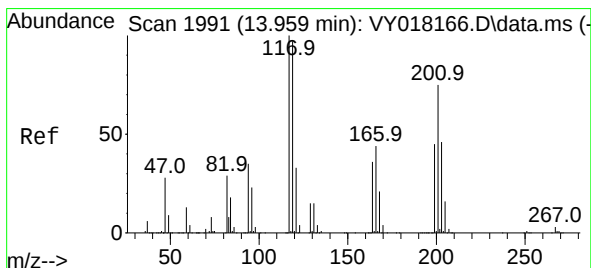
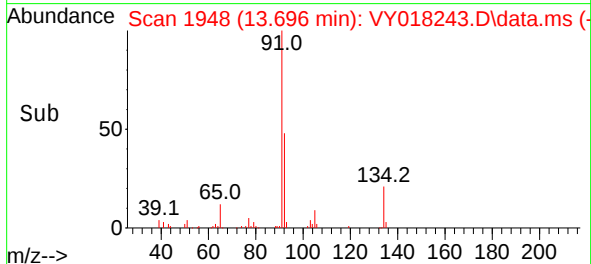
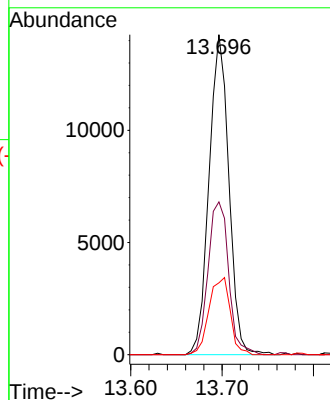
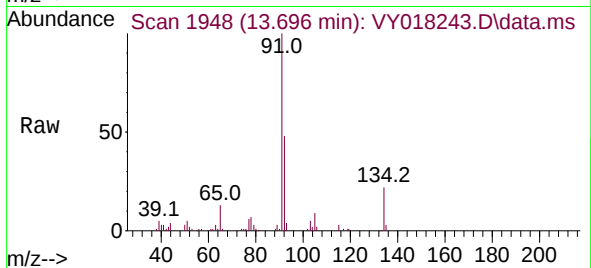
Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 21419 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 49.9  | 26.6  | 79.7  |
| 134      | 25.9  | 12.9  | 38.7  |



#90

Hexachloroethane

Concen: 3.135 ug/l

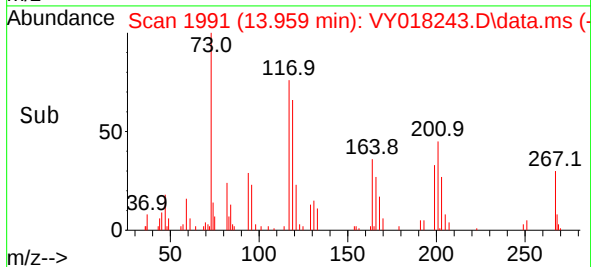
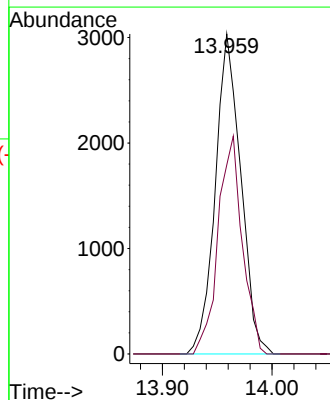
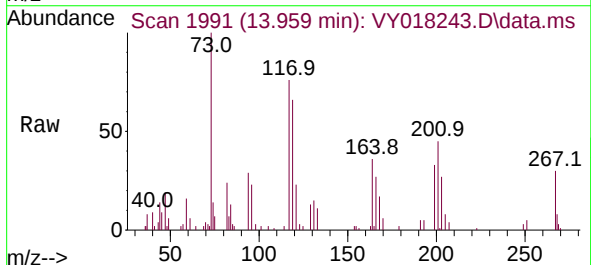
RT: 13.959 min Scan# 1991

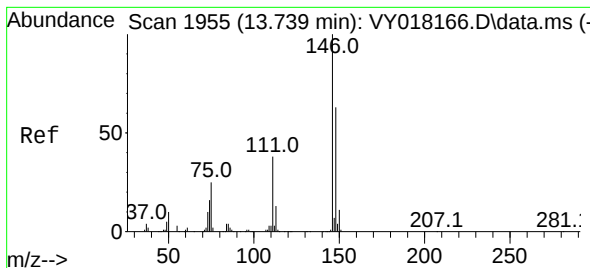
Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 4904  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 64.7  | 37.4  | 112.2 |





#91

1,2-Dichlorobenzene

Concen: 2.969 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

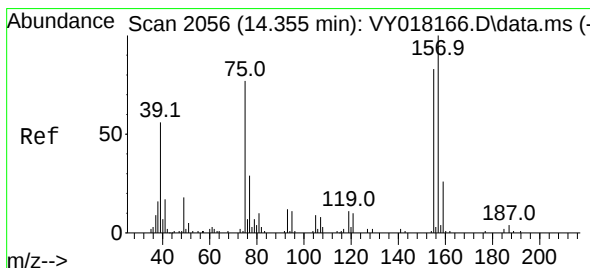
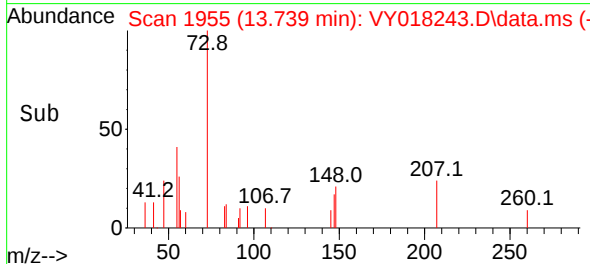
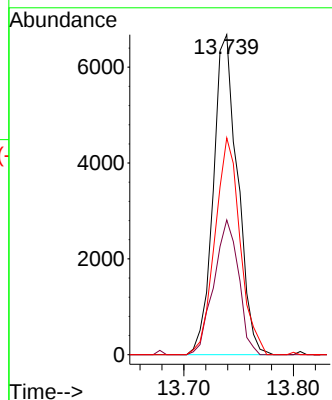
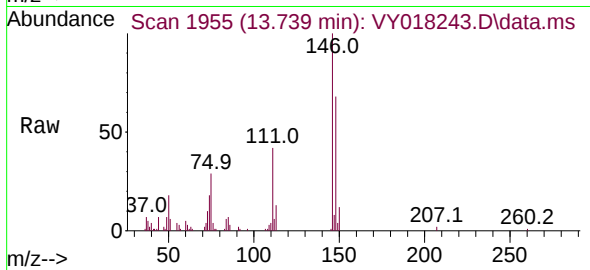
Tgt Ion:146 Resp: 10284

Ion Ratio Lower Upper

146 100

111 42.9 19.9 59.7

148 70.3 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.704 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

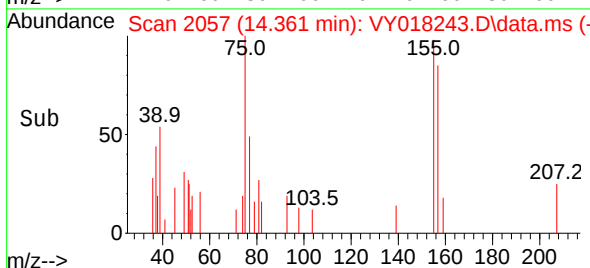
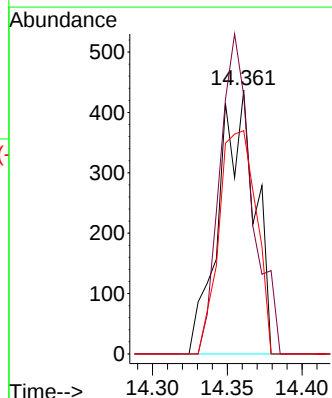
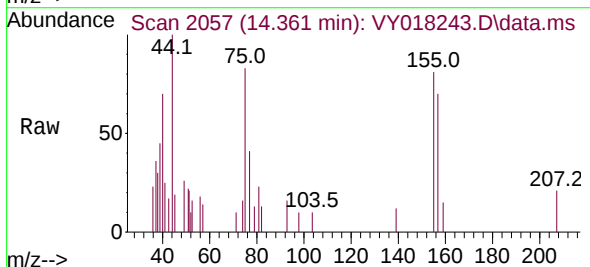
Tgt Ion: 75 Resp: 731

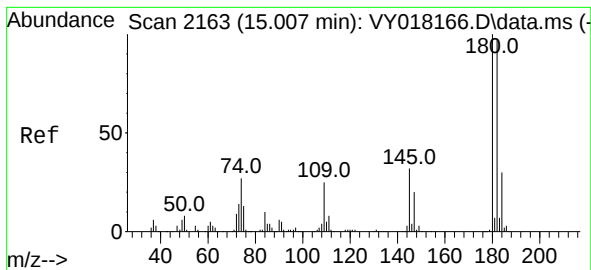
Ion Ratio Lower Upper

75 100

155 108.2 48.6 145.8

157 87.6 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 2.583 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY018243.D

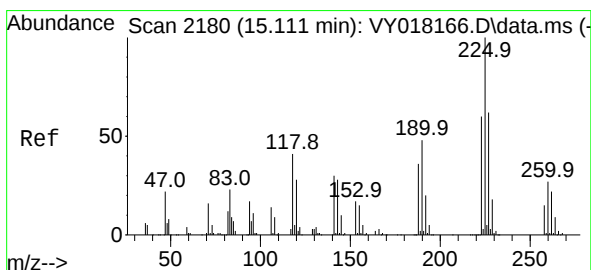
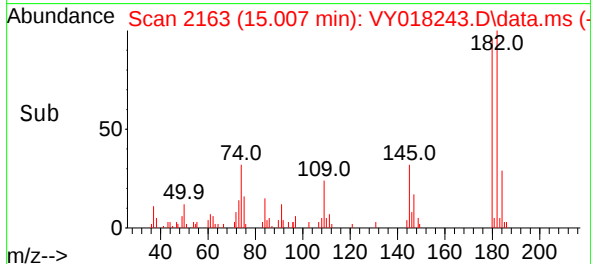
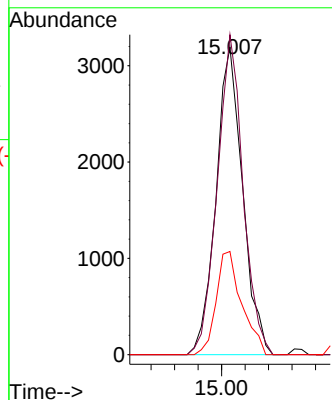
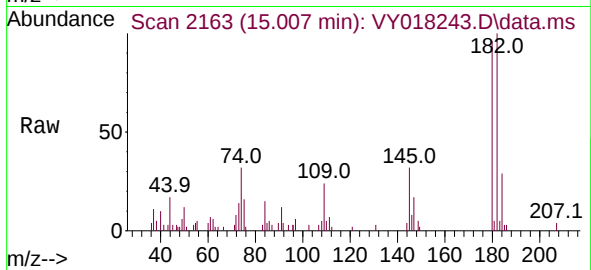
Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 5030  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 101.1 | 47.9  | 143.8 |
| 145       | 32.2  | 14.2  | 42.6  |



#94

Hexachlorobutadiene

Concen: 2.886 ug/l

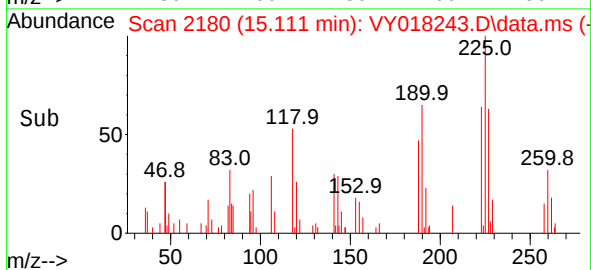
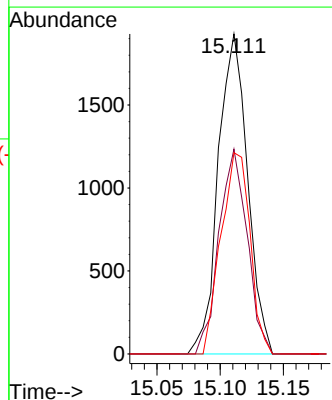
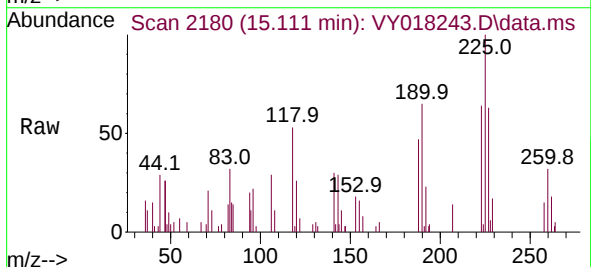
RT: 15.111 min Scan# 2180

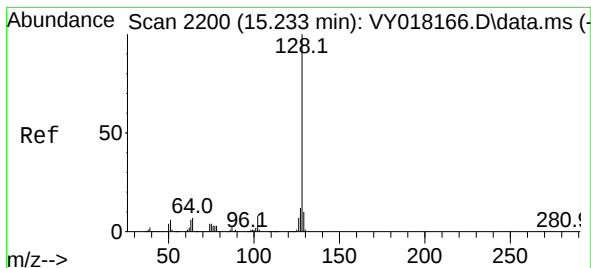
Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 3101 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 61.7  | 30.4  | 91.2 |
| 227       | 62.5  | 31.9  | 95.9 |





#95

Naphthalene

Concen: 2.710 ug/l

RT: 15.239 min Scan# 2200

Delta R.T. 0.006 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

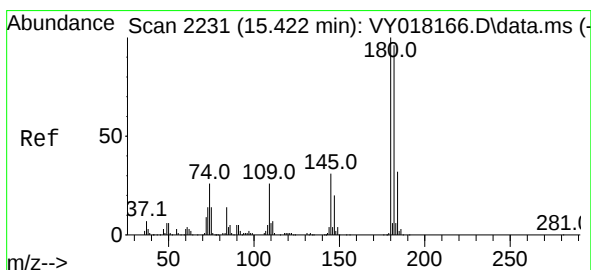
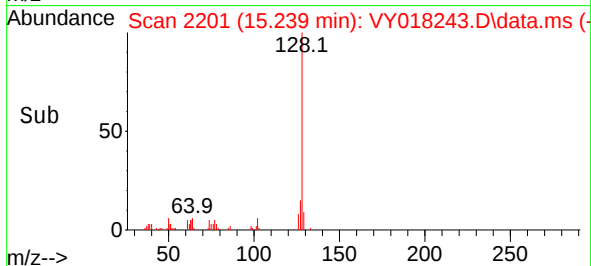
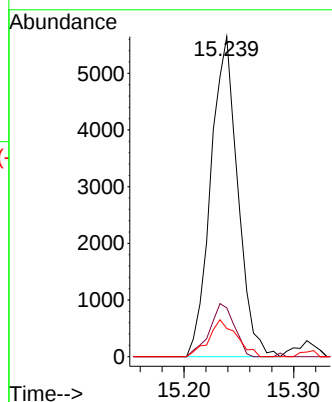
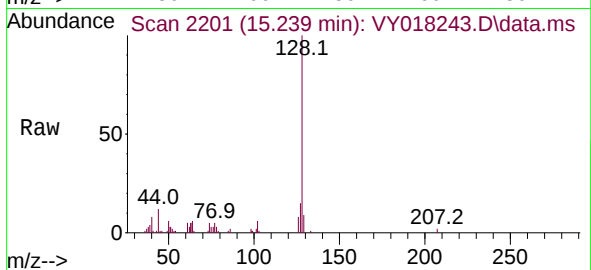
Tgt Ion:128 Resp: 9670

Ion Ratio Lower Upper

128 100

127 15.3 10.6 16.0

129 11.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.982 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY018243.D

Acq: 13 May 2024 15:48

Tgt Ion:180 Resp: 4766

Ion Ratio Lower Upper

180 100

182 97.5 47.6 142.9

145 32.8 15.4 46.1

