

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121624\  
 Data File : VL041758.D  
 Acq On : 16 Dec 2024 16:41  
 Operator : SY/MD  
 Sample : VSTDICC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Dec 19 06:16:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Dec 19 06:09:59 2024  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 65186    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.955 | 114  | 176856   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.878 | 117  | 160457   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 133687   | 9.998    | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.000% |

| Target Compounds              |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.496 | 85  | 152683 | 13.163 | ppbv   | 95     |
| 3) Chlorodifluoromethane      | 1.473 | 51  | 152455 | 14.341 | ppbv   | 98     |
| 4) Chloromethane              | 1.531 | 50  | 63517  | 13.996 | ppbv   | 98     |
| 5) Vinyl Chloride             | 1.577 | 62  | 62250  | 13.615 | ppbv   | 99     |
| 6) Bromomethane               | 1.667 | 94  | 30345  | 14.064 | ppbv   | 96     |
| 7) Chloroethane               | 1.703 | 64  | 25650  | 14.442 | ppbv   | 95     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 148190 | 14.274 | ppbv   | 99     |
| 9) Propene                    | 1.483 | 41  | 61515  | 13.351 | ppbv   | 99     |
| 10) Heptane                   | 4.978 | 43  | 168804 | 14.263 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.874 | 101 | 177984 | 14.446 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.136 | 101 | 135538 | 14.464 | ppbv   | 98     |
| 13) Ethanol                   | 1.719 | 45  | 3643   | 9.509  | ppbv   | 100    |
| 14) Bromoethene               | 1.780 | 108 | 47132  | 14.898 | ppbv   | 99     |
| 15) Acetone                   | 1.832 | 43  | 142980 | 11.273 | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.606 | 39  | 68311  | 13.678 | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 2.036 | 59  | 177908 | 14.140 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 57770  | 14.705 | ppbv   | 99     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 82211  | 10.802 | ppbv   | 99     |
| 20) Methylene Chloride        | 2.059 | 84  | 48356  | 13.371 | ppbv   | 99     |
| 21) Allyl Chloride            | 2.094 | 41  | 101528 | 14.760 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 2.337 | 96  | 65029  | 14.461 | ppbv   | 97     |
| 23) Vinyl Acetate             | 2.460 | 43  | 80795  | 14.661 | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 2.405 | 63  | 131030 | 14.394 | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.832 | 43  | 341429 | 14.402 | ppbv   | 100    |
| 26) Hexane                    | 2.823 | 57  | 128657 | 14.369 | ppbv   | 99     |
| 27) Carbon Disulfide          | 2.149 | 76  | 134963 | 16.726 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 2.438 | 73  | 100758 | 13.871 | ppbv   | 100    |
| 29) Chloroform                | 2.845 | 83  | 197713 | 14.489 | ppbv   | 99     |
| 30) Cyclohexane               | 3.855 | 84  | 110448 | 14.497 | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 132821 | 14.355 | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 3.366 | 97  | 204468 | 15.055 | ppbv   | 100    |
| 34) 2-Butanone                | 2.554 | 43  | 195439 | 13.736 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.761 | 117 | 206252 | 16.428 | ppbv   | 94     |
| 36) Benzene                   | 3.654 | 78  | 259630 | 14.192 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.214 | 62  | 166576 | 14.633 | ppbv   | 100    |
| 38) Trichloroethene           | 4.548 | 130 | 104184 | 13.525 | ppbv   | 95     |
| 39) 1,2-Dichloropropane       | 4.312 | 63  | 93624  | 14.150 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 4.577 | 88  | 44377  | 13.730 | ppbv # | 96     |
| 41) Tetrahydrofuran           | 3.052 | 42  | 113618 | 14.254 | ppbv   | 100    |
| 42) Bromodichloromethane      | 4.486 | 83  | 211145 | 16.123 | ppbv   | 96     |
| 43) Methyl Methacrylate       | 4.878 | 69  | 107165 | 15.374 | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane    | 4.638 | 57  | 445947 | 14.274 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.409 | 75  | 115159 | 15.973 | ppbv   | 97     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121624\  
 Data File : VL041758.D  
 Acq On : 16 Dec 2024 16:41  
 Operator : SY/MD  
 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

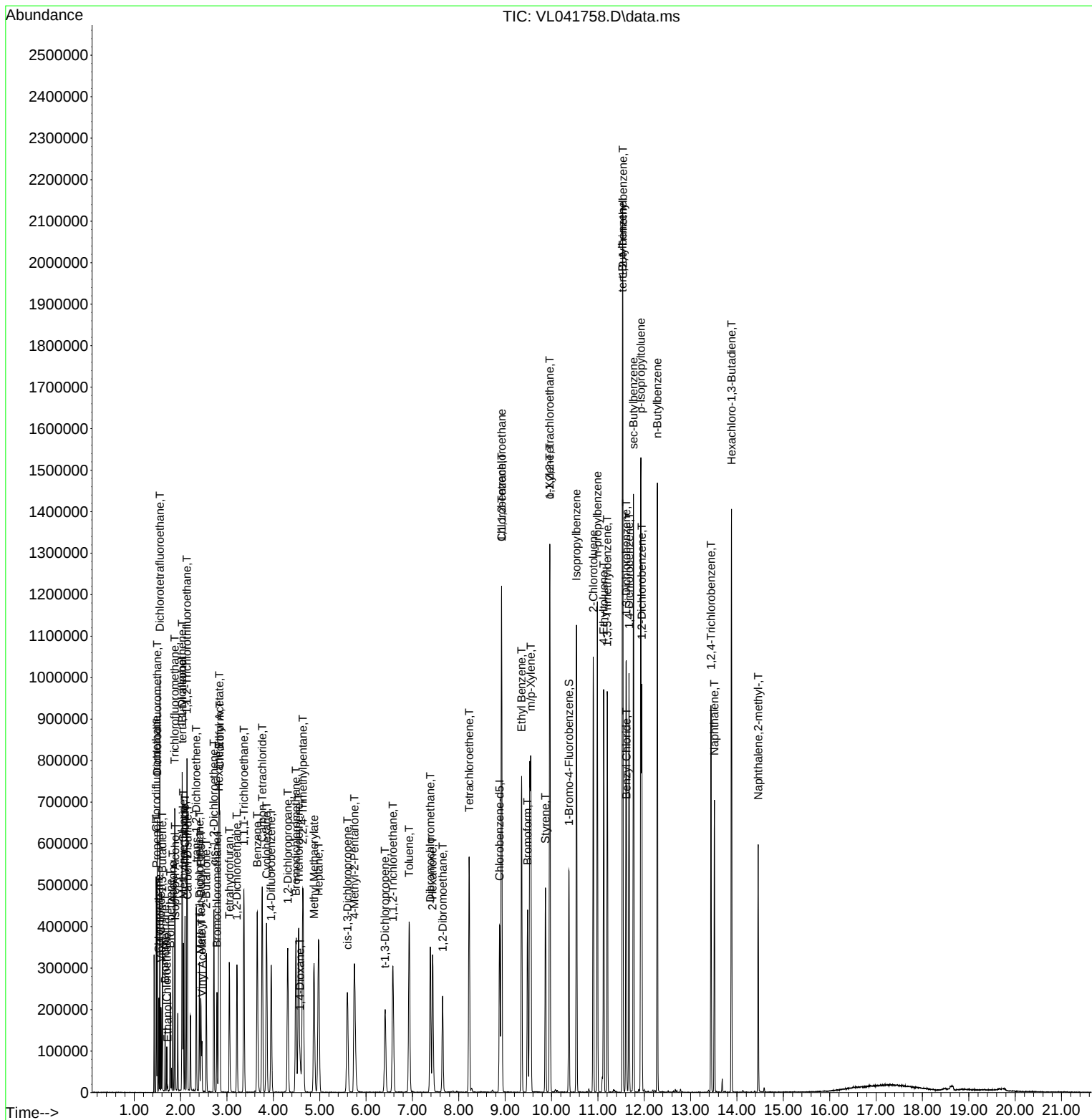
Instrument :  
 MSVOA\_L  
 ClientSampleId :

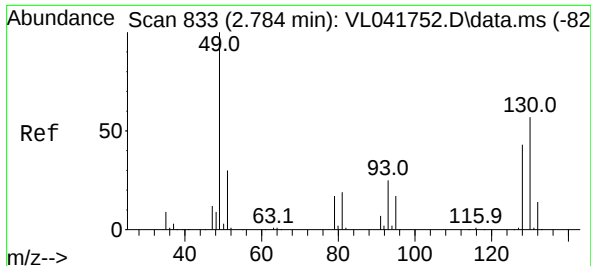
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Dec 19 06:09:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.600  | 75   | 143172   | 15.643 | ppbv   | 95       |
| 47) 1,1,2-Trichloroethane     | 6.580  | 97   | 98426    | 14.242 | ppbv   | 94       |
| 48) Dibromochloromethane      | 7.386  | 129  | 161661   | 17.131 | ppbv   | 100      |
| 49) Bromoform                 | 9.484  | 173  | 137786   | 17.838 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.749  | 43   | 285467   | 14.735 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.435  | 43   | 232363   | 14.798 | ppbv # | 100      |
| 52) Tetrachloroethene         | 8.225  | 164  | 93120    | 13.675 | ppbv   | 98       |
| 53) Toluene                   | 6.930  | 91   | 301428   | 14.533 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.652  | 107  | 139889   | 14.690 | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 8.924  | 131  | 128108   | 15.059 | ppbv   | 99       |
| 57) Chlorobenzene             | 8.924  | 112  | 227716   | 13.869 | ppbv   | 100      |
| 58) Ethyl Benzene             | 9.354  | 91   | 425852   | 14.742 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.552  | 91   | 363863   | 15.660 | ppbv # | 100      |
| 60) o-Xylene                  | 9.963  | 91   | 337891   | 14.506 | ppbv   | 100      |
| 61) Styrene                   | 9.869  | 104  | 165328   | 16.415 | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.539 | 105  | 506570   | 14.475 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.963  | 83   | 201057   | 13.790 | ppbv   | 100      |
| 64) n-propylbenzene           | 10.989 | 120  | 129200   | 14.602 | ppbv   | 97       |
| 65) tert-Butylbenzene         | 11.532 | 119  | 446690   | 14.148 | ppbv   | 98       |
| 66) Benzyl Chloride           | 11.617 | 91   | 45189    | 16.234 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 624565   | 14.295 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 528265   | 14.671 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.283 | 91   | 525377   | 15.101 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 387300   | 14.498 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.125 | 105  | 409822   | 14.934 | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.202 | 105  | 350895   | 15.383 | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 371476   | 15.144 | ppbv   | 96       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 219506   | 14.036 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 222290   | 14.388 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 205737   | 13.672 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 138481   | 12.412 | ppbv   | 100      |
| 79) Naphthalene               | 13.513 | 128  | 301006   | 17.611 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 161927   | 30.630 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 146340   | 15.669 | ppbv   | 99       |

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

Quant Time: Dec 19 06:16:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSV0A\_L\methods\VL121624AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A\_LFri Aug 26 06:05:16 2022  
QLast Update : Thu Dec 19 06:09:59 2024  
Response via : Initial Calibration

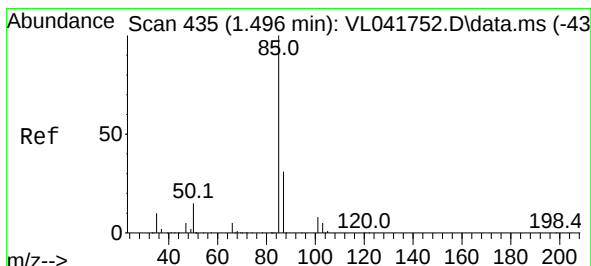
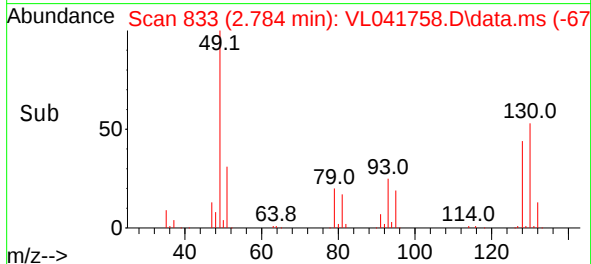
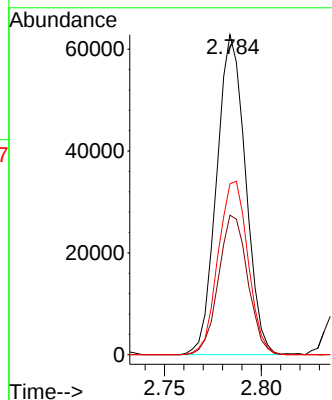
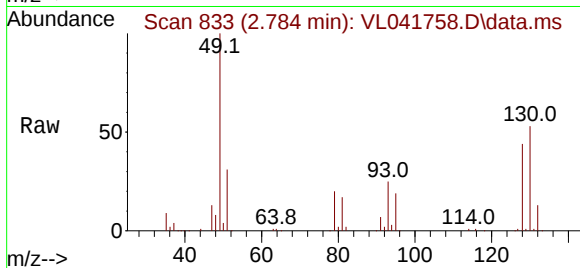




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 833  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

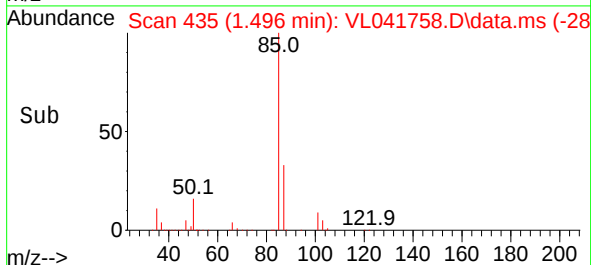
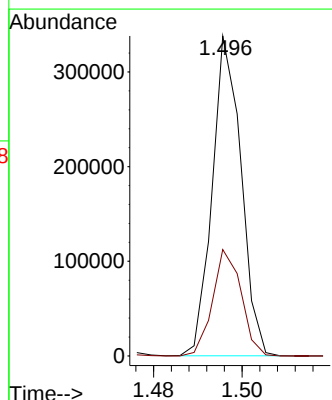
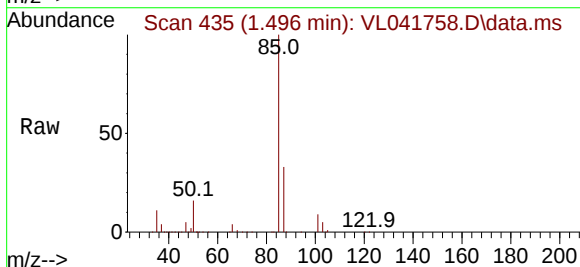
Instrument :  
MSVOA\_1  
ClientSampleId :

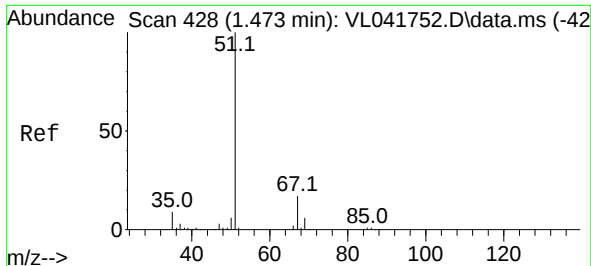
Tgt Ion: 49 Resp: 65186  
Ion Ratio Lower Upper  
49 100  
128 44.0 21.6 64.6  
130 56.0 28.3 85.0



#2  
Dichlorodifluoromethane  
Concen: 13.163 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

Tgt Ion: 85 Resp: 152683  
Ion Ratio Lower Upper  
85 100  
87 33.3 24.5 36.7

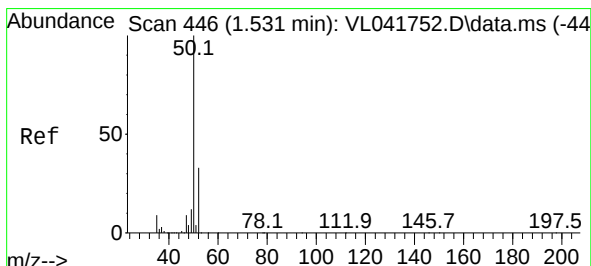
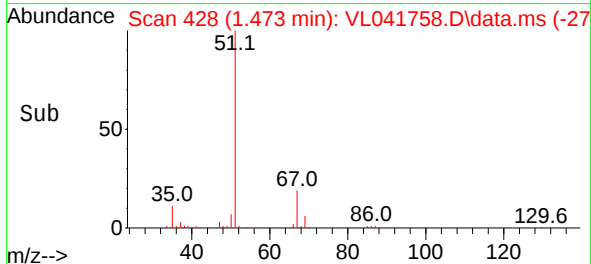
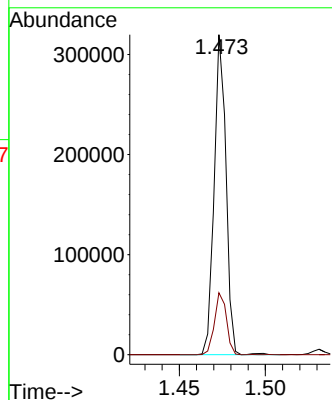
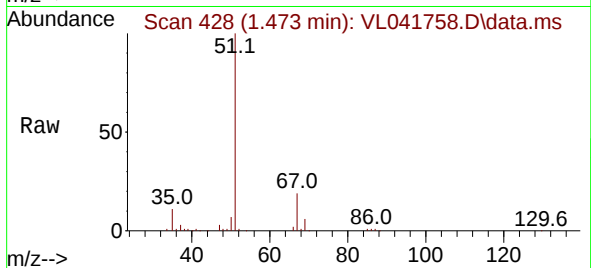




#3  
Chlorodifluoromethane  
Concen: 14.341 ppbv  
RT: 1.473 min Scan# 428  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

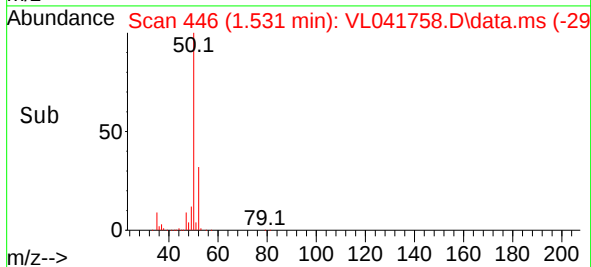
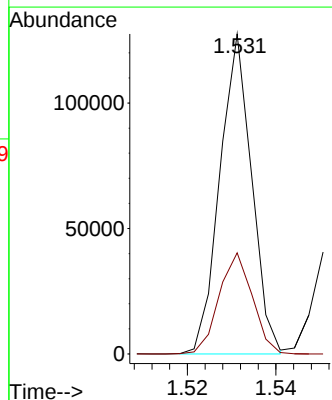
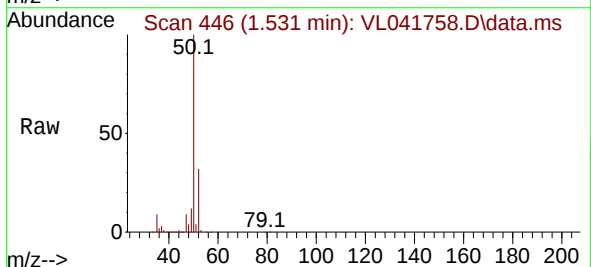
Instrument :  
MSVOA\_1  
ClientSampleId :

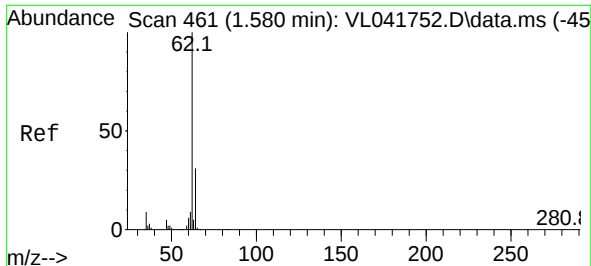
Tgt Ion: 51 Resp: 152455  
Ion Ratio Lower Upper  
51 100  
67 19.6 15.0 22.4



#4  
Chloromethane  
Concen: 13.996 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

Tgt Ion: 50 Resp: 63517  
Ion Ratio Lower Upper  
50 100  
52 31.5 26.2 39.2

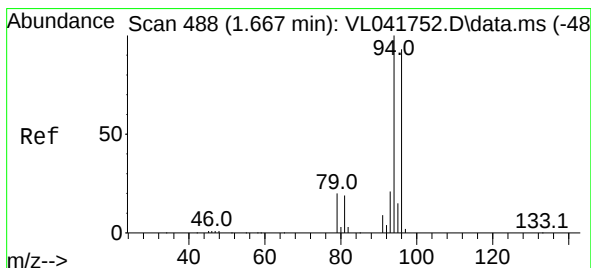
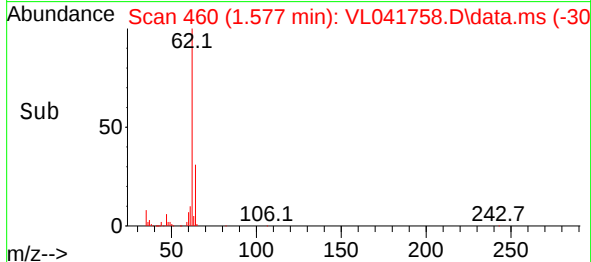
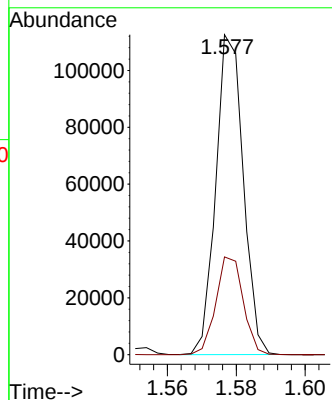
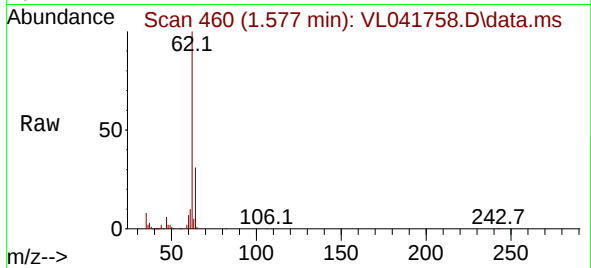




#5  
 Vinyl Chloride  
 Concen: 13.615 ppbv  
 RT: 1.577 min Scan# 461  
 Delta R.T. -0.003 min  
 Lab File: VL041758.D  
 Acq: 16 Dec 2024 16:41

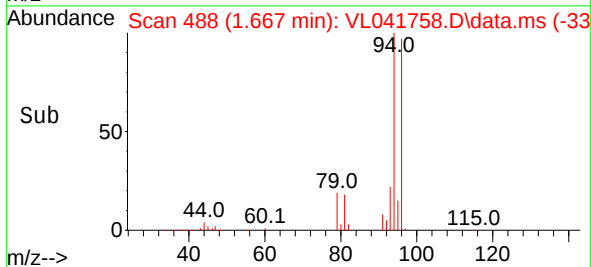
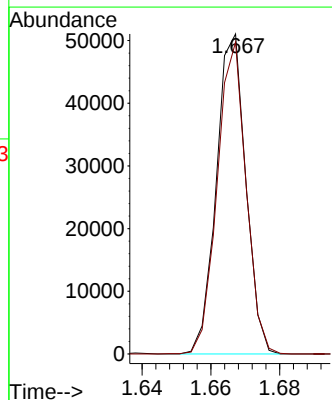
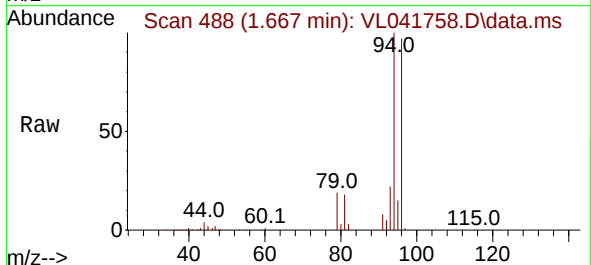
Instrument :  
 MSVOA\_1  
 ClientSampleId :

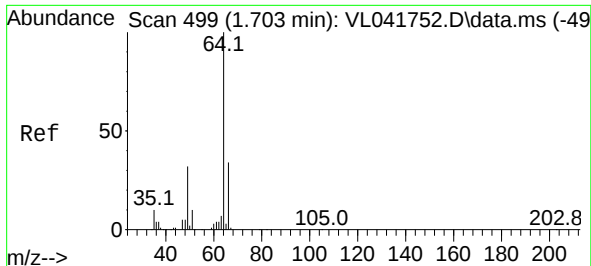
Tgt Ion: 62 Resp: 62250  
 Ion Ratio Lower Upper  
 62 100  
 64 30.6 25.1 37.7



#6  
 Bromomethane  
 Concen: 14.064 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.000 min  
 Lab File: VL041758.D  
 Acq: 16 Dec 2024 16:41

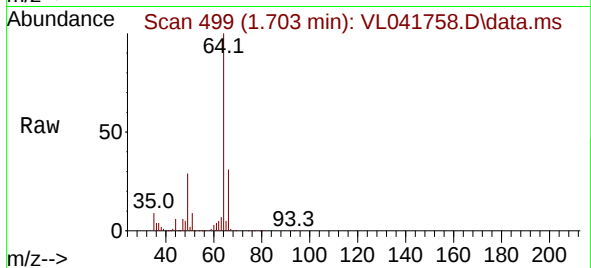
Tgt Ion: 94 Resp: 30345  
 Ion Ratio Lower Upper  
 94 100  
 96 97.3 74.7 112.1



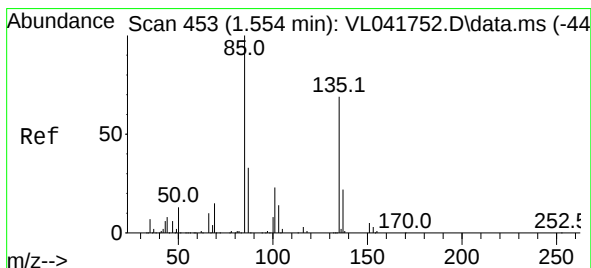
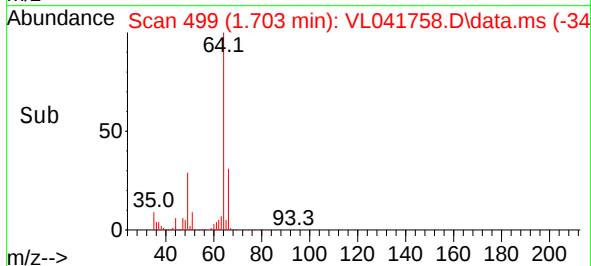
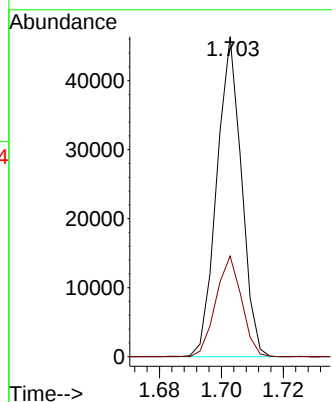


#7  
Chloroethane  
Concen: 14.442 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

Instrument :  
MSVOA\_L  
ClientSampleId :

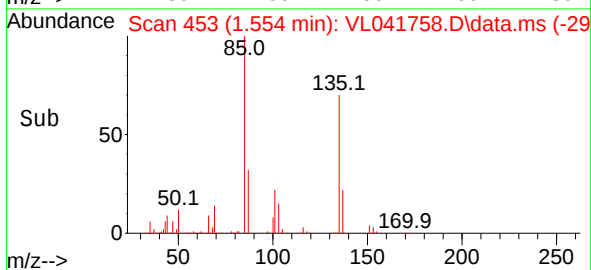
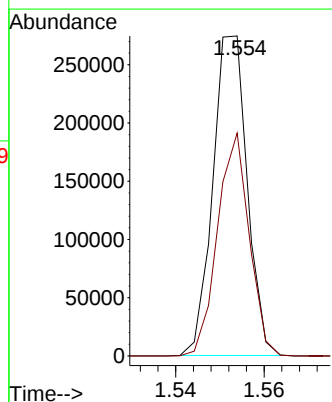
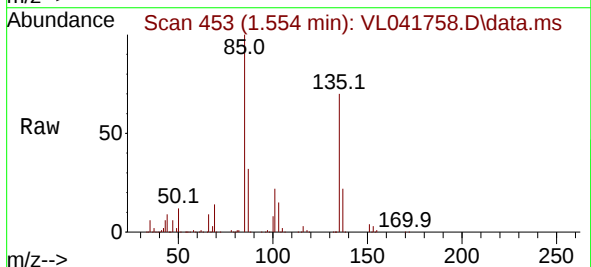


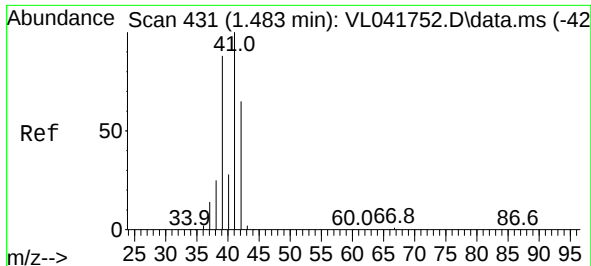
Tgt Ion: 64 Resp: 25650  
Ion Ratio Lower Upper  
64 100  
66 31.5 27.5 41.3



#8  
Dichlorotetrafluoroethane  
Concen: 14.274 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

Tgt Ion: 85 Resp: 148190  
Ion Ratio Lower Upper  
85 100  
135 64.1 51.9 77.9





#9

Propene

Concen: 13.351 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

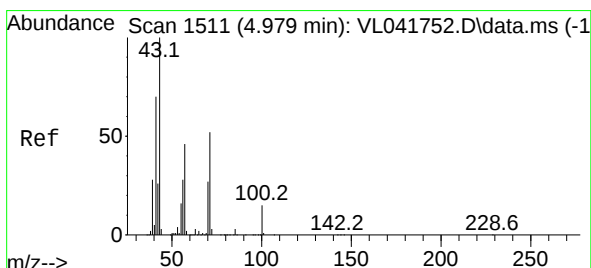
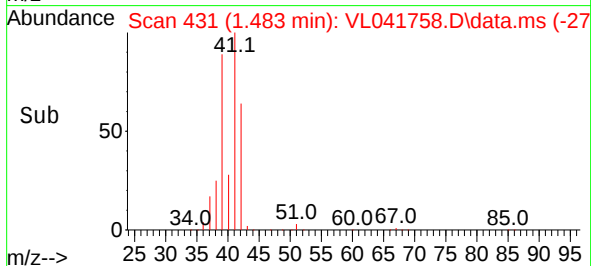
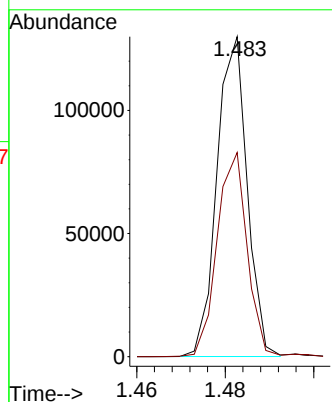
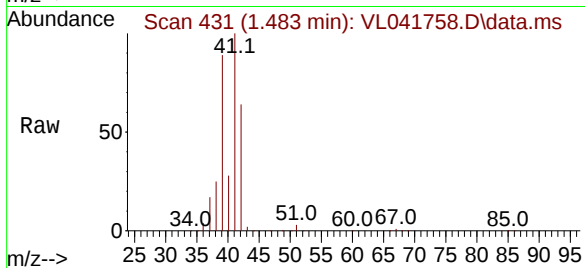
ClientSampleId :

Tgt Ion: 41 Resp: 61515

Ion Ratio Lower Upper

41 100

42 64.4 52.4 78.6



#10

Heptane

Concen: 14.263 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL041758.D

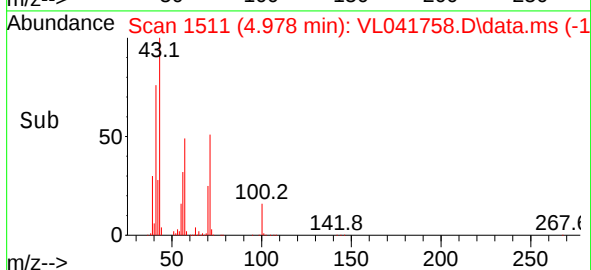
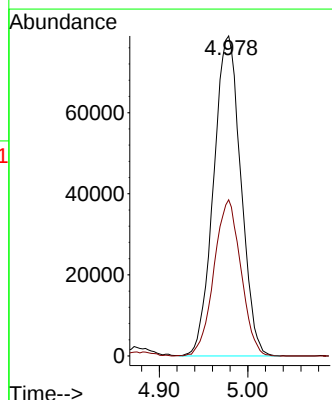
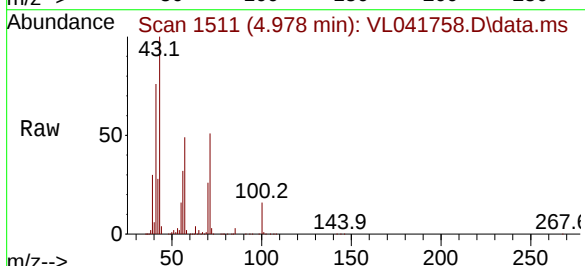
Acq: 16 Dec 2024 16:41

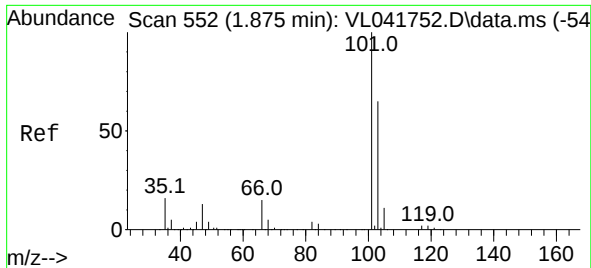
Tgt Ion: 43 Resp: 168804

Ion Ratio Lower Upper

43 100

57 48.2 38.5 57.7

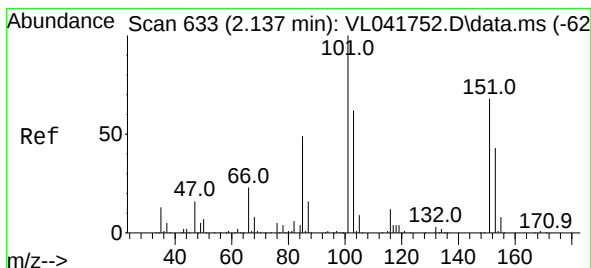
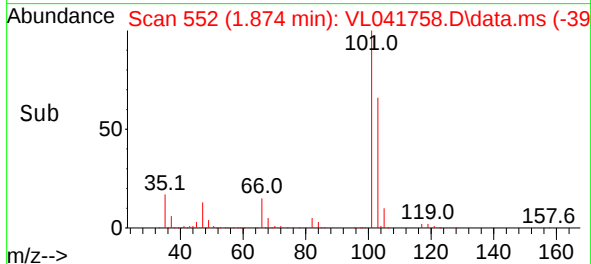
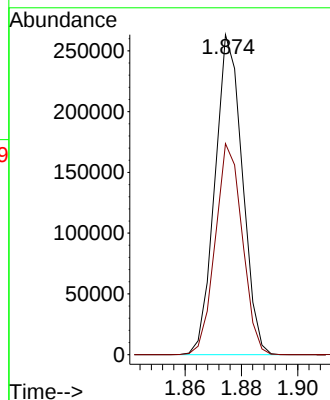
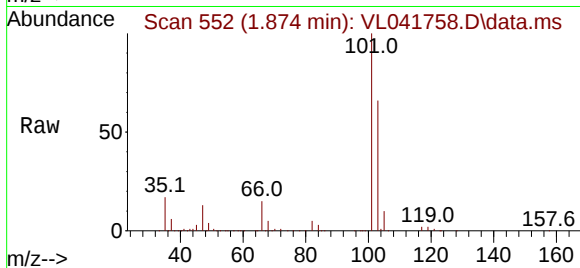




#11  
 Trichlorofluoromethane  
 Concen: 14.446 ppbv  
 RT: 1.874 min Scan# 511  
 Delta R.T. -0.000 min  
 Lab File: VL041758.D  
 Acq: 16 Dec 2024 16:41

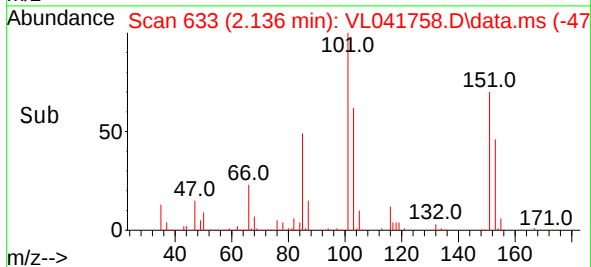
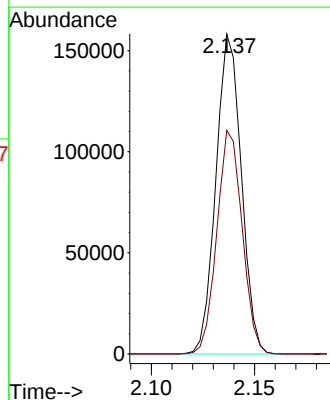
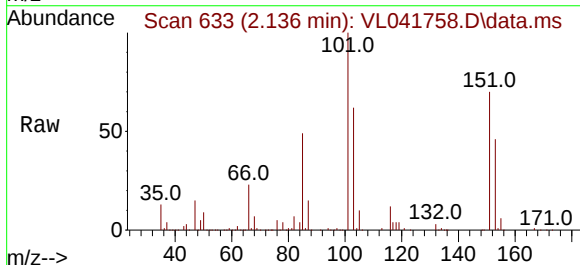
Instrument :  
 MSVOA\_L  
 ClientSampleId :

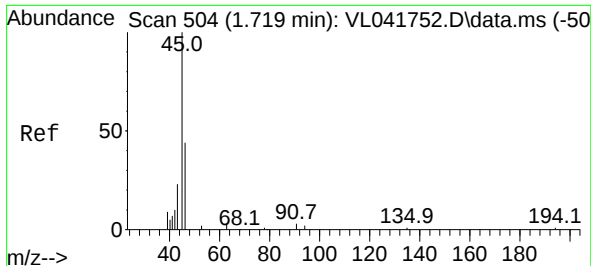
Tgt Ion:101 Resp: 177984  
 Ion Ratio Lower Upper  
 101 100  
 103 65.9 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 14.464 ppbv  
 RT: 2.136 min Scan# 633  
 Delta R.T. -0.000 min  
 Lab File: VL041758.D  
 Acq: 16 Dec 2024 16:41

Tgt Ion:101 Resp: 135538  
 Ion Ratio Lower Upper  
 101 100  
 151 69.6 56.8 85.2





#13

Ethanol

Concen: 9.509 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

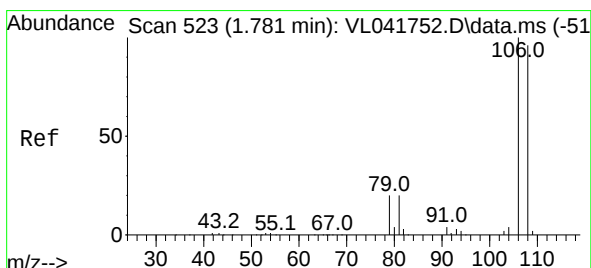
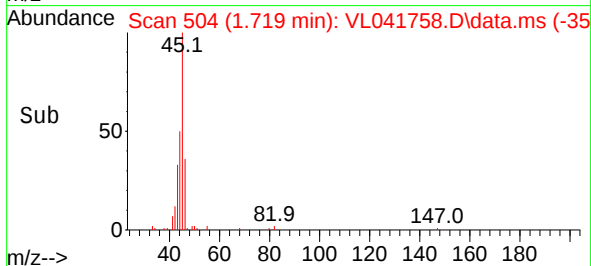
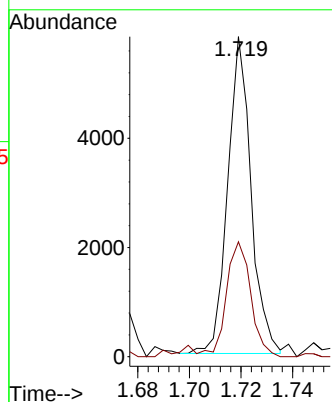
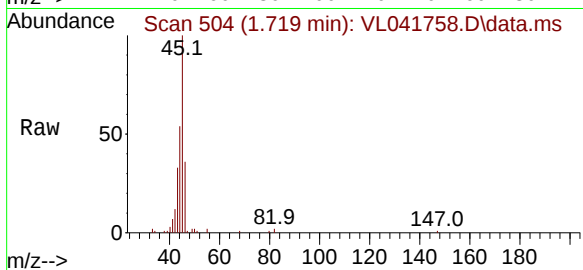
ClientSampleId :

Tgt Ion: 45 Resp: 3643

Ion Ratio Lower Upper

45 100

46 41.2 16.4 65.8



#14

Bromoethene

Concen: 14.898 ppbv

RT: 1.780 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

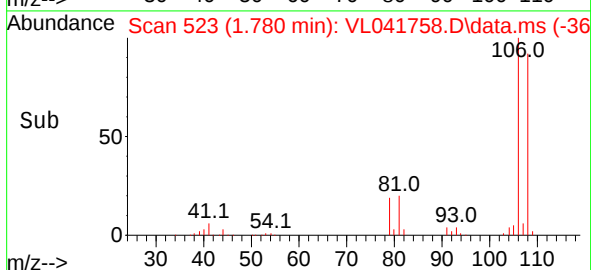
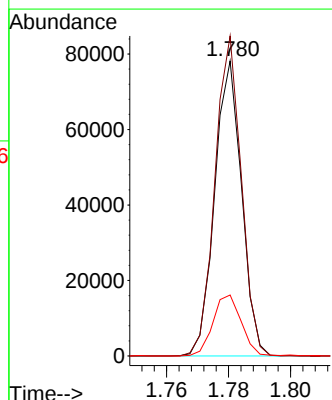
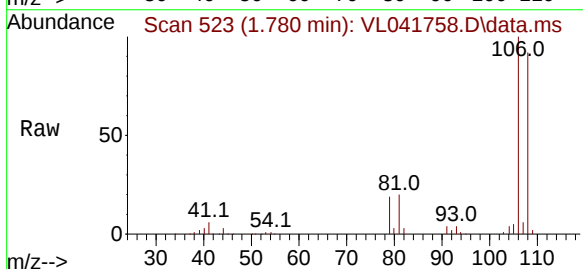
Tgt Ion: 108 Resp: 47132

Ion Ratio Lower Upper

108 100

106 105.9 84.1 126.1

79 22.1 17.4 26.0





#15

Acetone

Concen: 11.273 ppbv

RT: 1.832 min Scan# 539

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

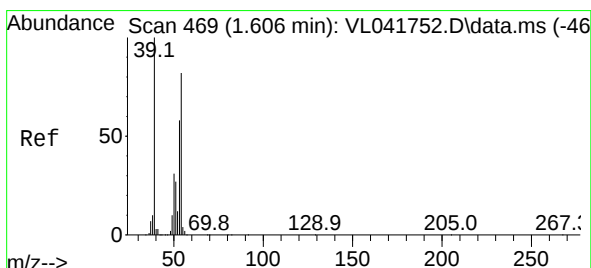
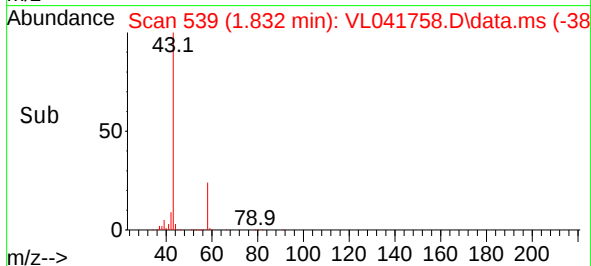
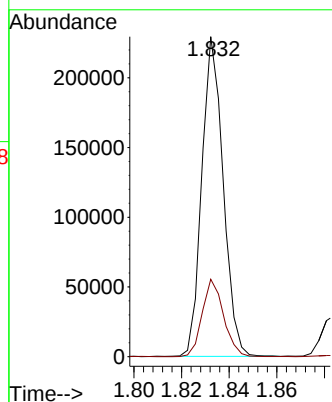
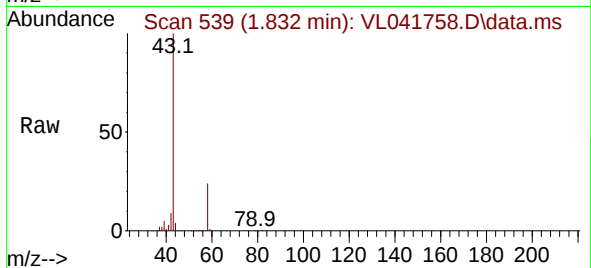
ClientSampleId :

Tgt Ion: 43 Resp: 142980

Ion Ratio Lower Upper

43 100

58 24.4 19.7 29.5



#16

1,3-Butadiene

Concen: 13.678 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL041758.D

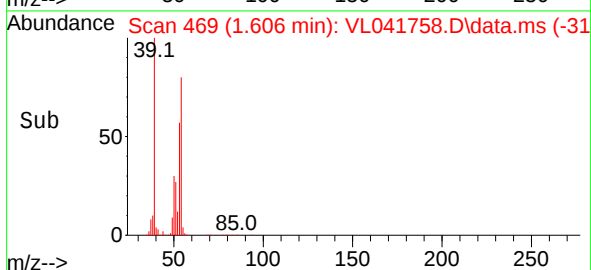
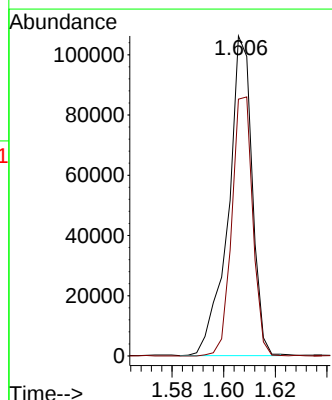
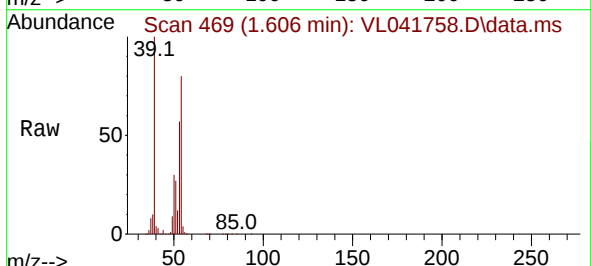
Acq: 16 Dec 2024 16:41

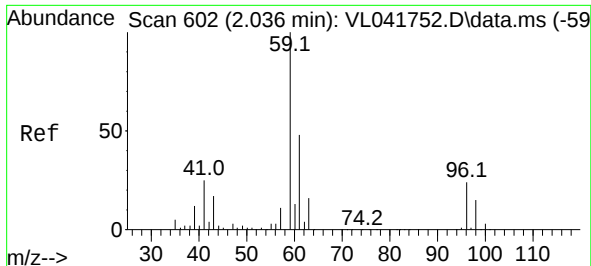
Tgt Ion: 39 Resp: 68311

Ion Ratio Lower Upper

39 100

54 71.3 58.4 87.6





#17

tert-Butyl alcohol

Concen: 14.140 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

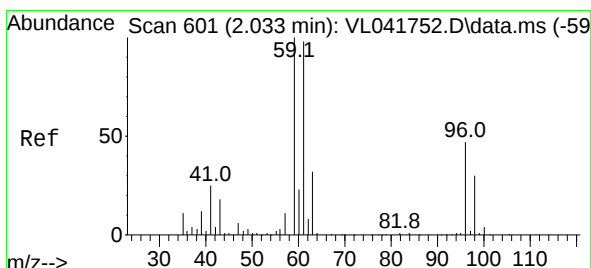
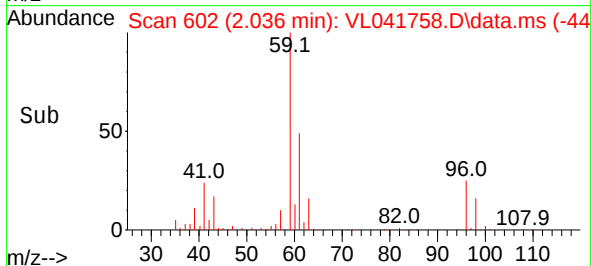
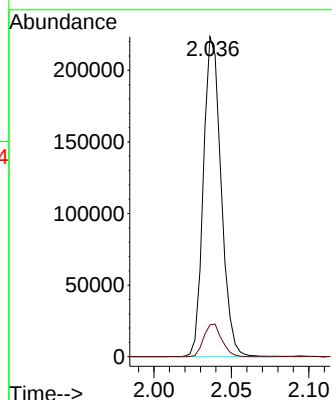
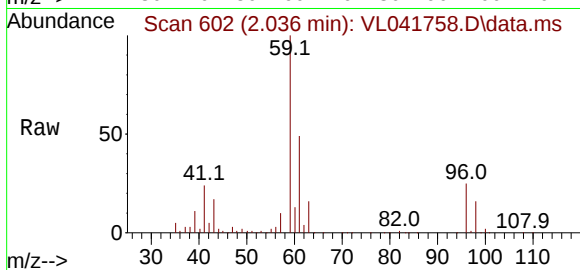
ClientSampleId :

Tgt Ion: 59 Resp: 177908

Ion Ratio Lower Upper

59 100

57 10.4 8.6 13.0



#18

1,1-Dichloroethene

Concen: 14.705 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

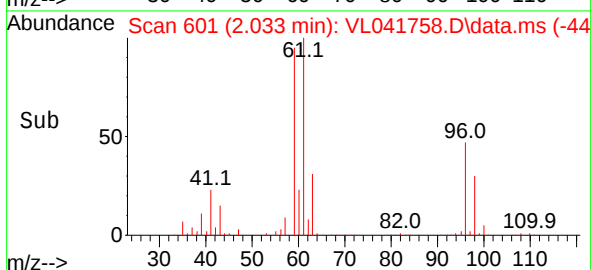
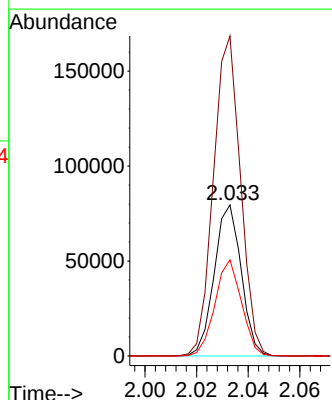
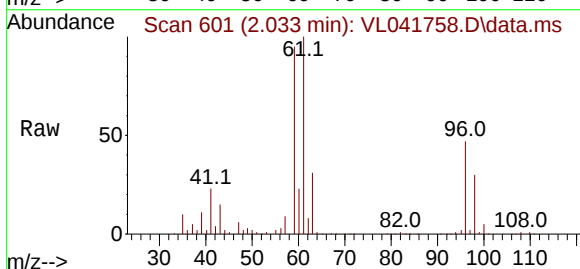
Tgt Ion: 96 Resp: 57770

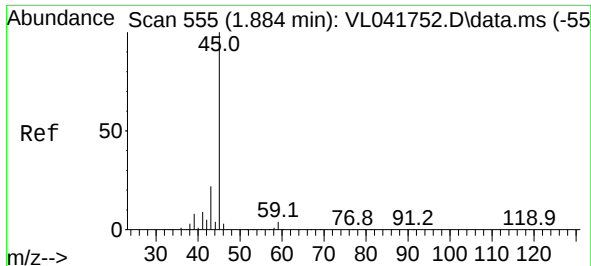
Ion Ratio Lower Upper

96 100

61 211.8 167.7 251.5

98 63.6 51.1 76.7





#19

Isopropyl Alcohol

Concen: 10.802 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

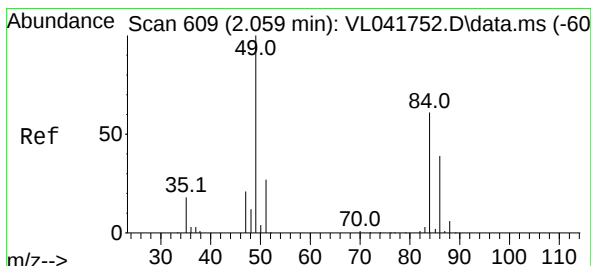
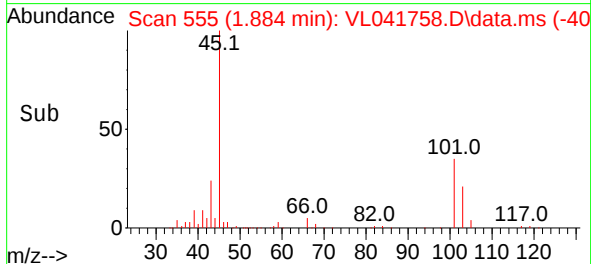
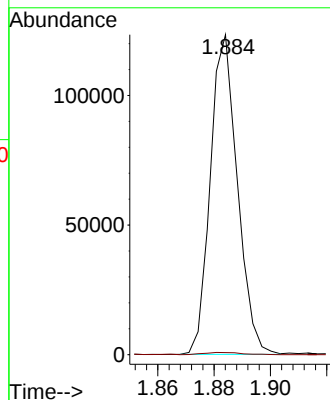
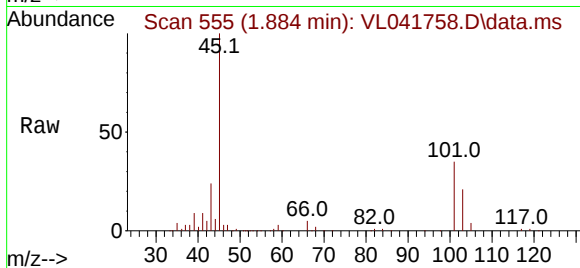
ClientSampleId :

Tgt Ion: 45 Resp: 82211

Ion Ratio Lower Upper

45 100

58 42.5 33.3 49.9



#20

Methylene Chloride

Concen: 13.371 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 84 Resp: 48356

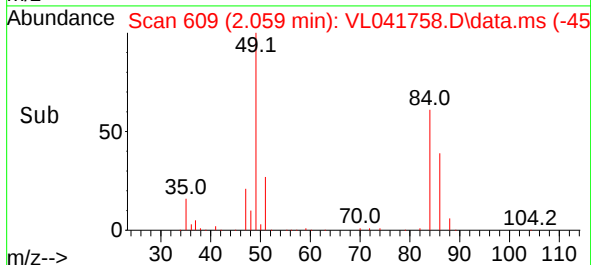
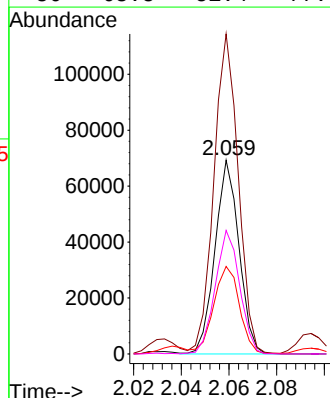
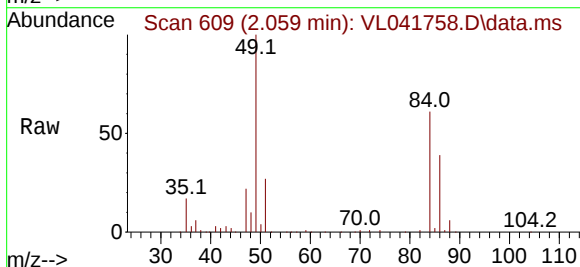
Ion Ratio Lower Upper

84 100

49 164.9 132.6 198.8

51 44.9 37.6 56.4

86 63.8 51.4 77.0





#21

Allyl Chloride

Concen: 14.760 ppbv

RT: 2.094 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

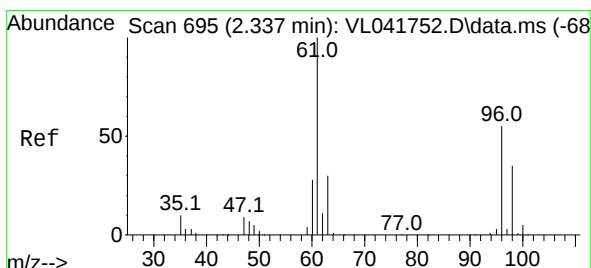
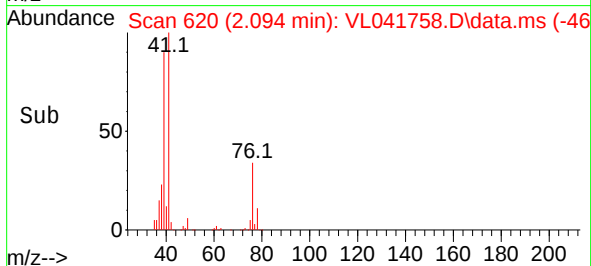
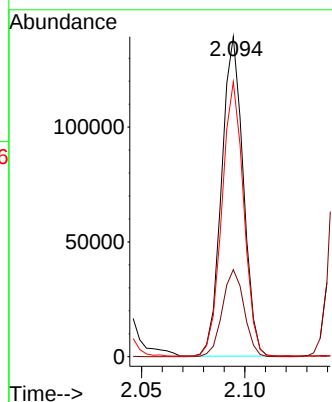
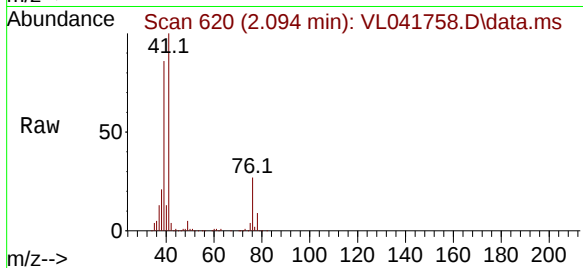
Tgt Ion: 41 Resp: 101528

Ion Ratio Lower Upper

41 100

76 27.3 22.3 33.5

39 86.2 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 14.461 ppbv

RT: 2.337 min Scan# 695

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

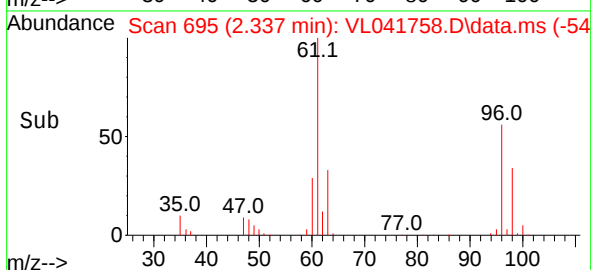
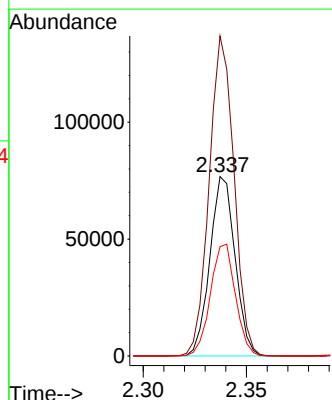
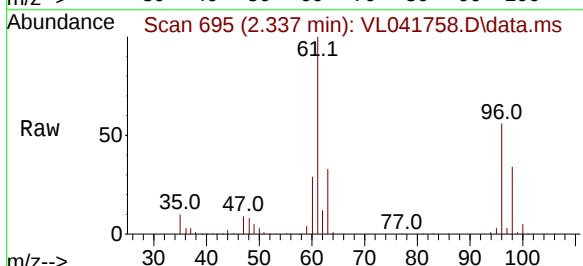
Tgt Ion: 96 Resp: 65029

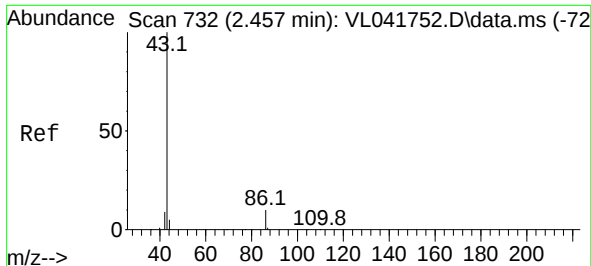
Ion Ratio Lower Upper

96 100

61 178.4 146.3 219.5

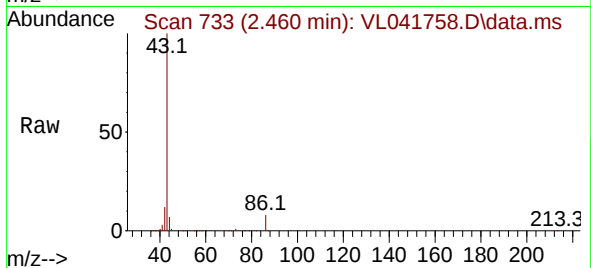
98 60.9 50.8 76.2



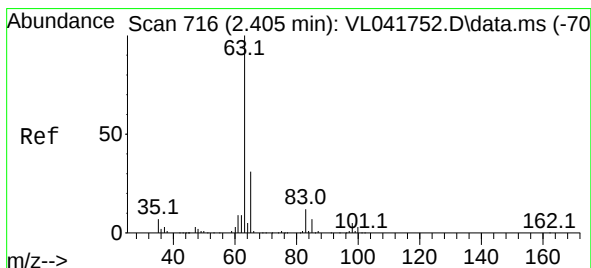
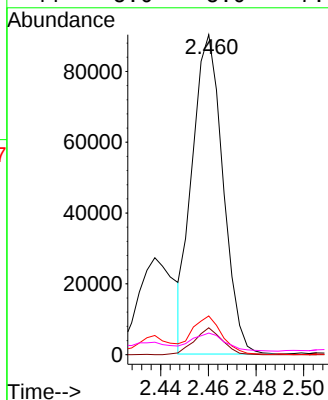
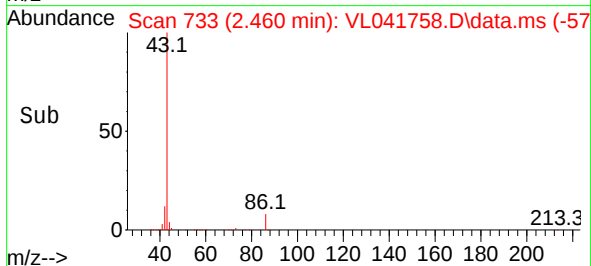


#23  
 Vinyl Acetate  
 Concen: 14.661 ppbv  
 RT: 2.460 min Scan# 716  
 Delta R.T. 0.003 min  
 Lab File: VL041758.D  
 Acq: 16 Dec 2024 16:41

Instrument :  
 MSVOA\_1  
 ClientSampleId :

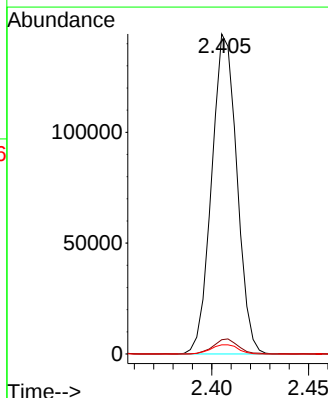
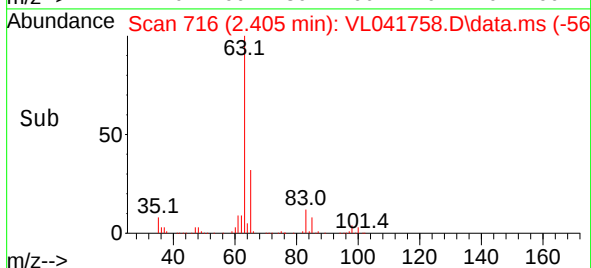
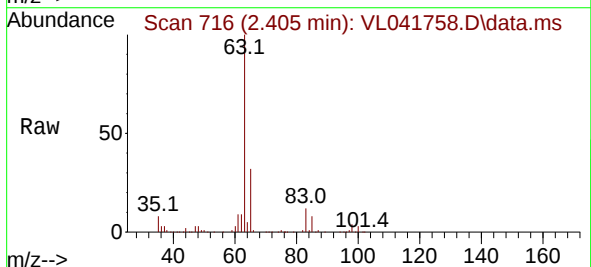


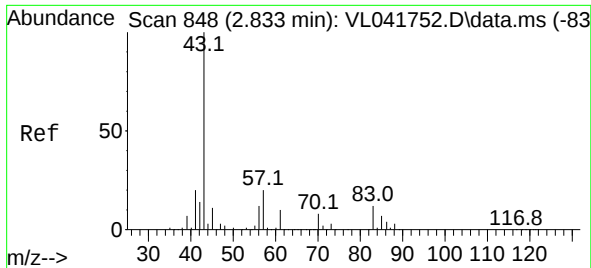
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 80795 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 8.4      | 6.6 10.0    |
| 42 11.8     | 8.2 12.2    |
| 44 5.6      | 5.0 7.4     |



#24  
 1,1-Dichloroethane  
 Concen: 14.394 ppbv  
 RT: 2.405 min Scan# 716  
 Delta R.T. -0.000 min  
 Lab File: VL041758.D  
 Acq: 16 Dec 2024 16:41

|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 131030 |
| Ion Ratio   | Lower Upper  |
| 63 100      |              |
| 98 4.5      | 2.3 6.8      |
| 100 2.8     | 1.4 4.2      |

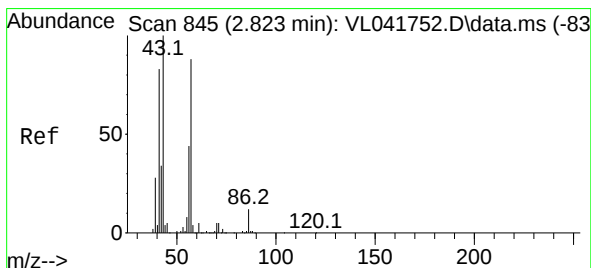
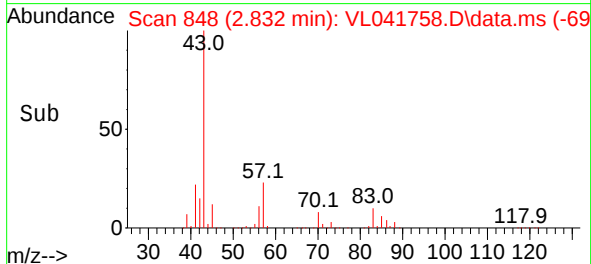
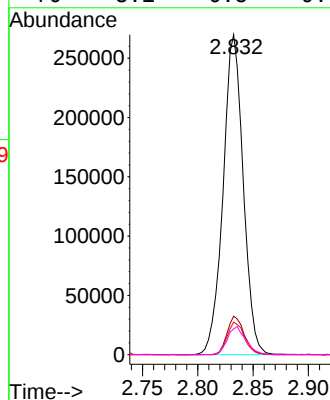
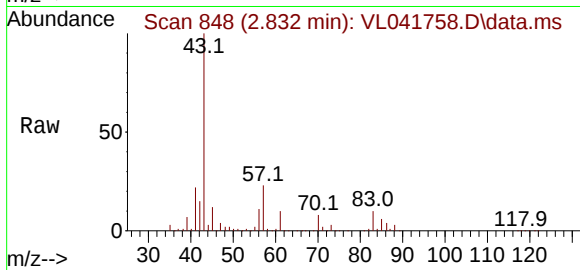




#25  
Ethyl Acetate  
Concen: 14.402 ppbv  
RT: 2.832 min Scan# 848  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

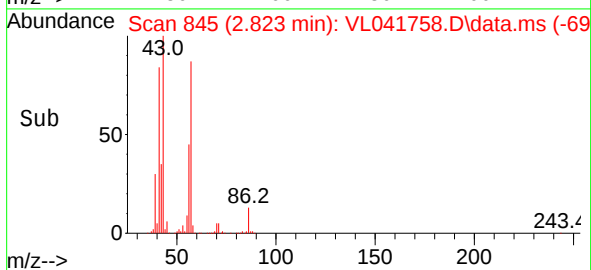
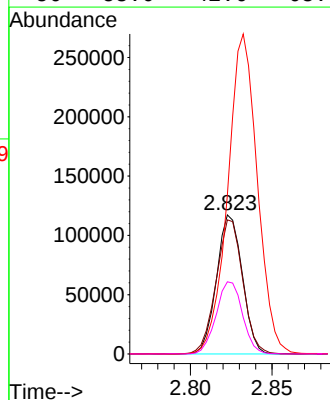
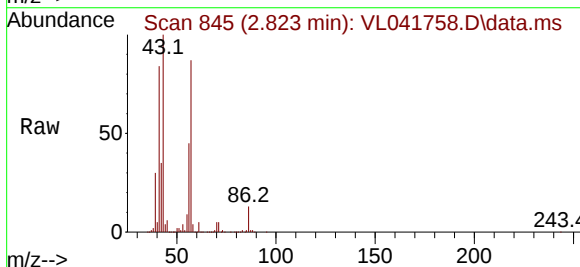
Instrument :  
MSVOA\_L  
ClientSampleId :

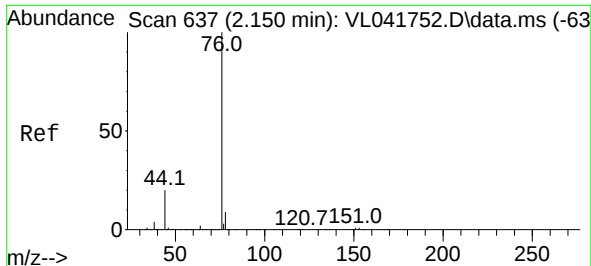
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 341429 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 10.3  | 8.1   | 12.1   |
| 61       | 8.7   | 7.0   | 10.6   |
| 70       | 8.1   | 6.5   | 9.7    |



#26  
Hexane  
Concen: 14.369 ppbv  
RT: 2.823 min Scan# 845  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 128657 |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 100.1 | 79.6  | 119.4  |
| 43       | 265.4 | 211.0 | 316.6  |
| 56       | 53.0  | 42.6  | 63.8   |





#27

Carbon Disulfide

Concen: 16.726 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

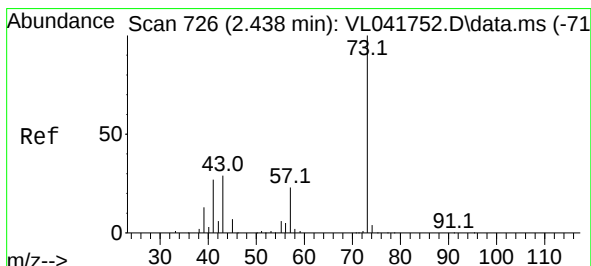
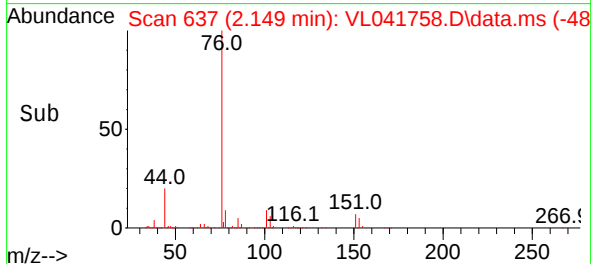
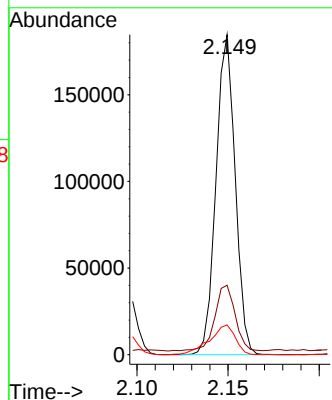
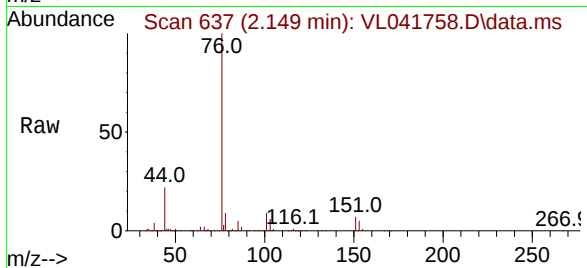
Tgt Ion: 76 Resp: 134963

Ion Ratio Lower Upper

76 100

44 22.4 17.6 26.4

78 12.5 10.2 15.4



#28

Methyl tert-Butyl Ether

Concen: 13.871 ppbv

RT: 2.438 min Scan# 726

Delta R.T. -0.000 min

Lab File: VL041758.D

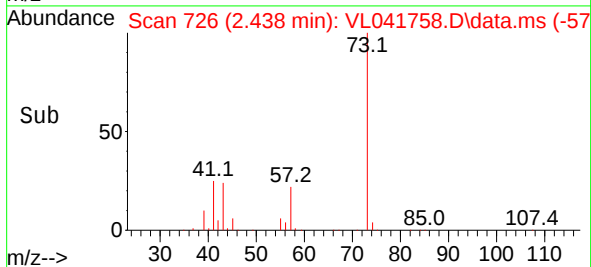
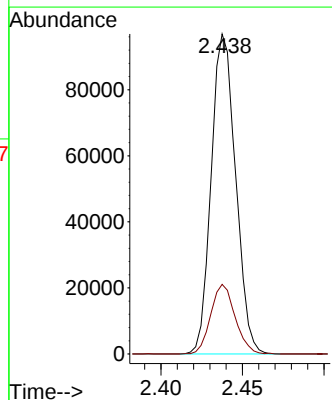
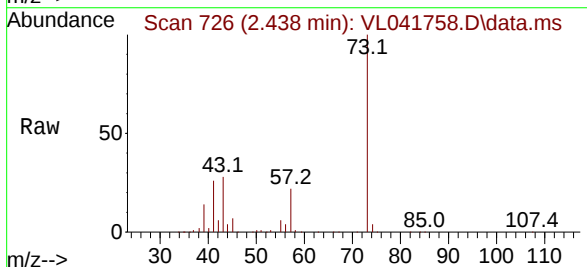
Acq: 16 Dec 2024 16:41

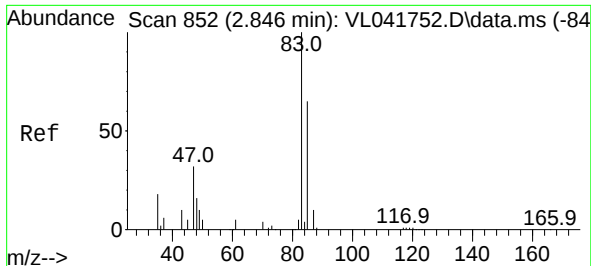
Tgt Ion: 73 Resp: 100758

Ion Ratio Lower Upper

73 100

57 21.8 17.6 26.4





#29

Chloroform

Concen: 14.489 ppbv

RT: 2.845 min Scan# 852

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

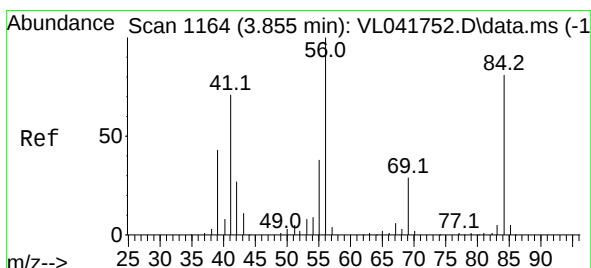
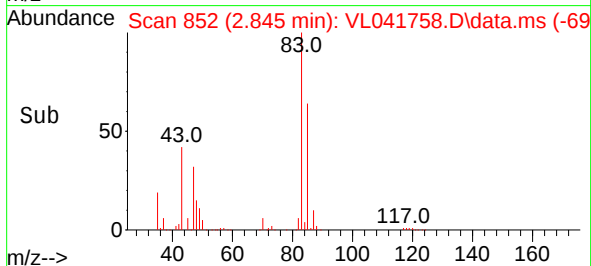
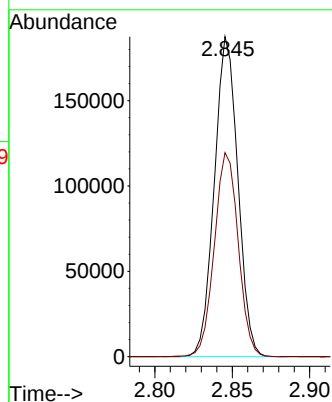
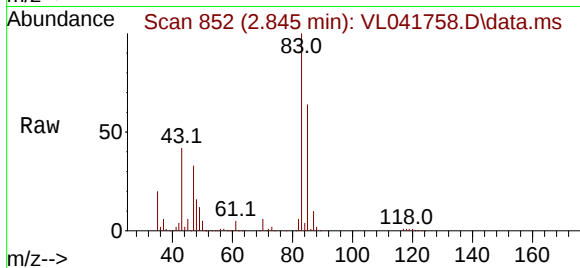
ClientSampleId :

Tgt Ion: 83 Resp: 197713

Ion Ratio Lower Upper

83 100

85 63.7 51.8 77.6



#30

Cyclohexane

Concen: 14.497 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

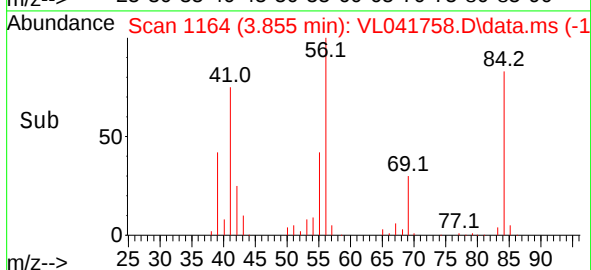
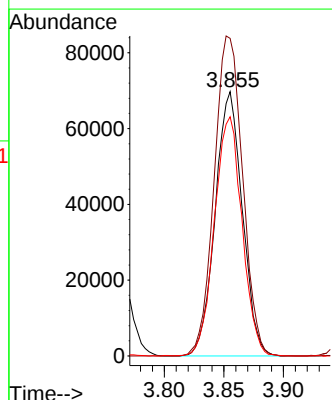
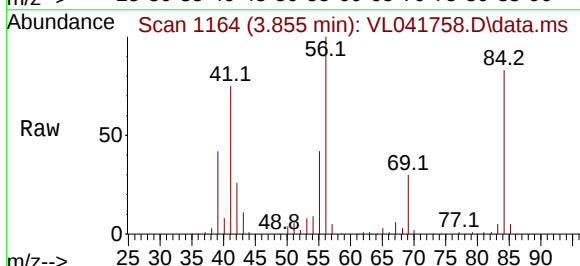
Tgt Ion: 84 Resp: 110448

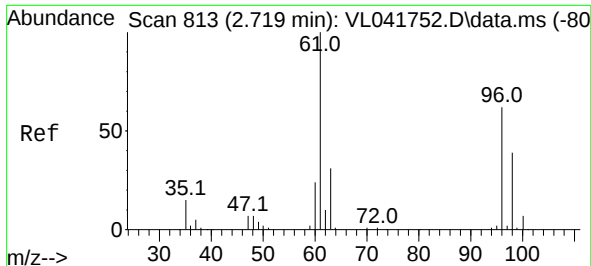
Ion Ratio Lower Upper

84 100

56 126.9 102.3 153.5

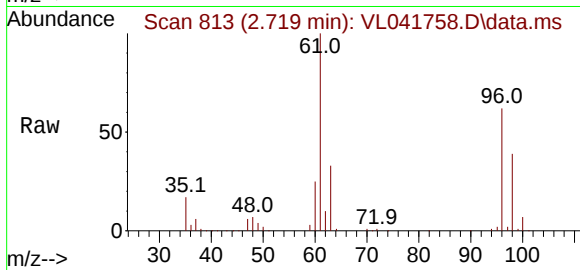
41 92.2 74.0 111.0



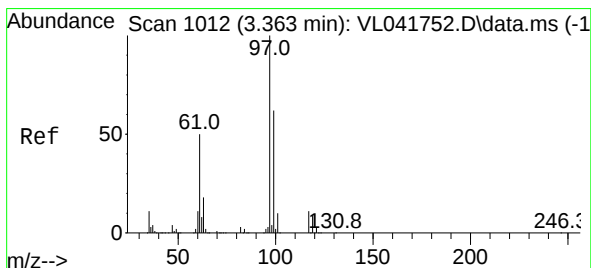
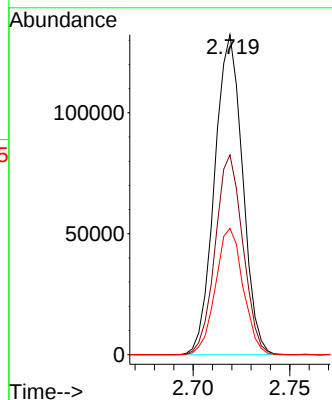
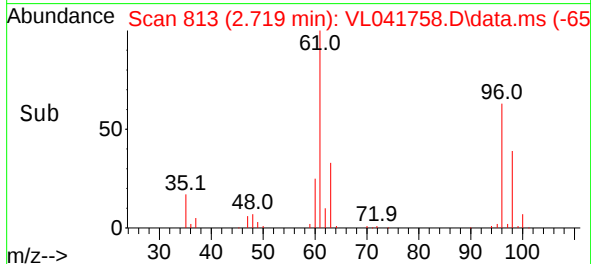


#31  
 cis-1,2-Dichloroethene  
 Concen: 14.355 ppbv  
 RT: 2.719 min Scan# 813  
 Delta R.T. -0.000 min  
 Lab File: VL041758.D  
 Acq: 16 Dec 2024 16:41

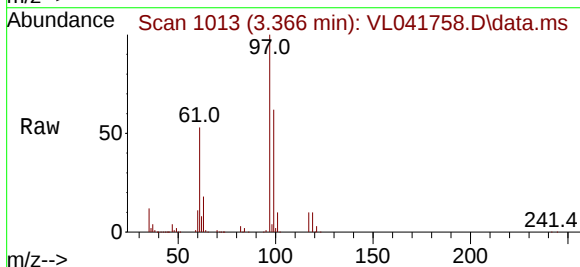
Instrument :  
 MSVOA\_L  
 ClientSampleId :



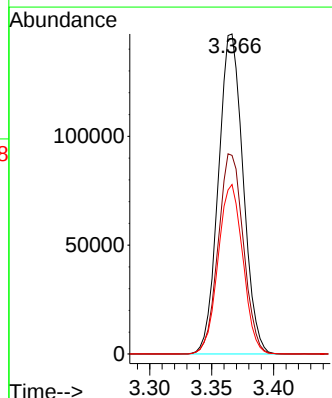
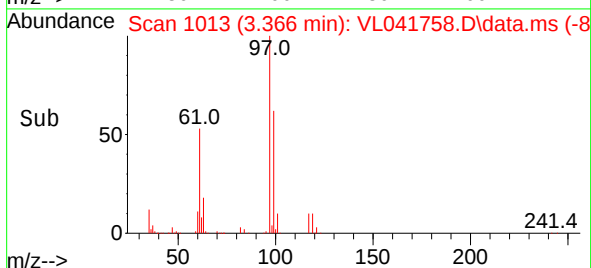
Tgt Ion: 61 Resp: 132821  
 Ion Ratio Lower Upper  
 61 100  
 96 62.4 49.7 74.5  
 98 39.4 30.8 46.2

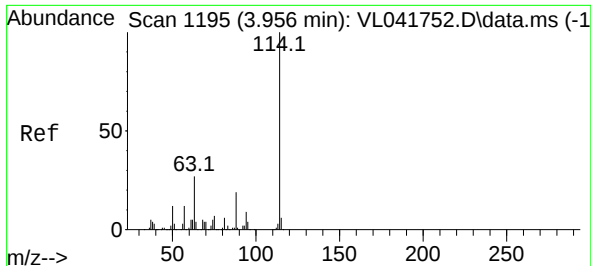


#32  
 1,1,1-Trichloroethane  
 Concen: 15.055 ppbv  
 RT: 3.366 min Scan# 1013  
 Delta R.T. 0.003 min  
 Lab File: VL041758.D  
 Acq: 16 Dec 2024 16:41



Tgt Ion: 97 Resp: 204468  
 Ion Ratio Lower Upper  
 97 100  
 99 63.6 51.0 76.4  
 61 53.1 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

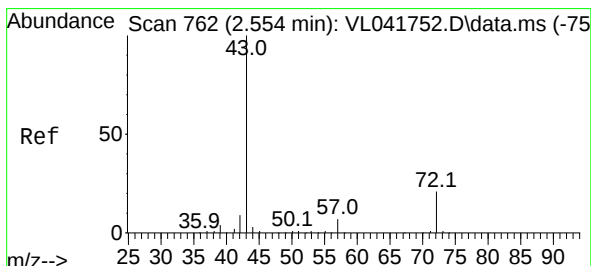
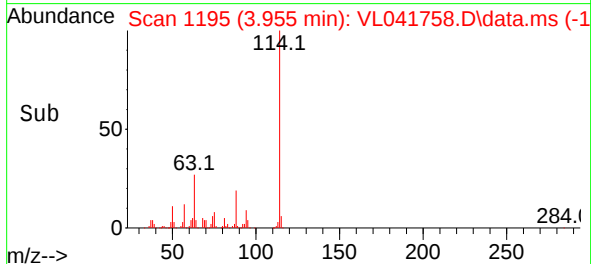
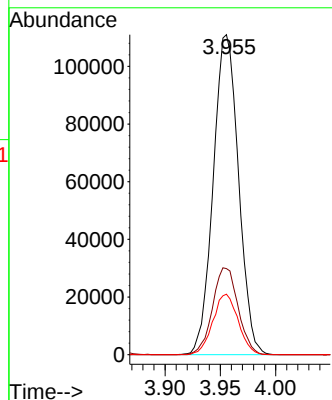
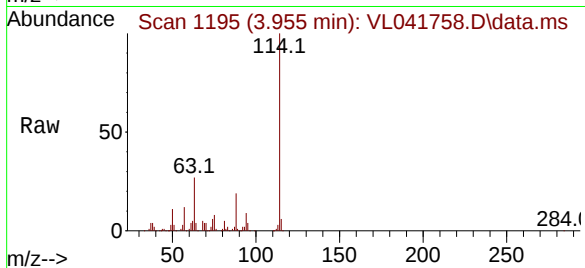
Tgt Ion:114 Resp: 176856

Ion Ratio Lower Upper

114 100

63 27.5 21.8 32.8

88 18.9 14.8 22.2



#34

2-Butanone

Concen: 13.736 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.000 min

Lab File: VL041758.D

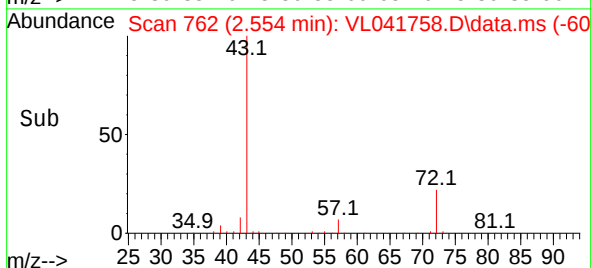
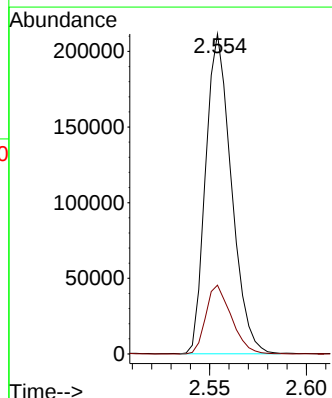
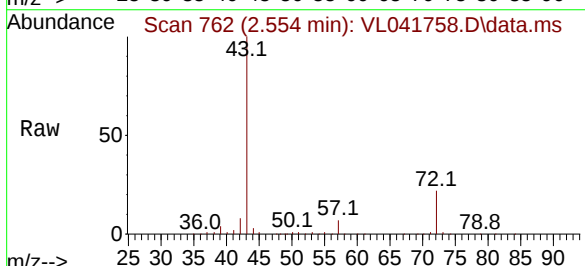
Acq: 16 Dec 2024 16:41

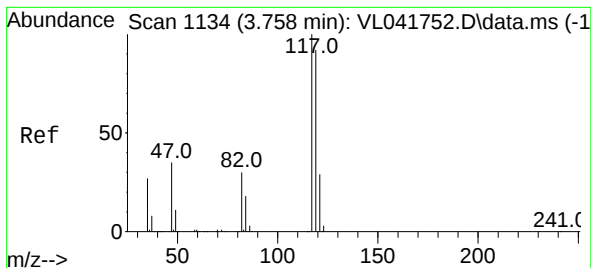
Tgt Ion: 43 Resp: 195439

Ion Ratio Lower Upper

43 100

72 21.4 16.8 25.2





#35

Carbon Tetrachloride

Concen: 16.428 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

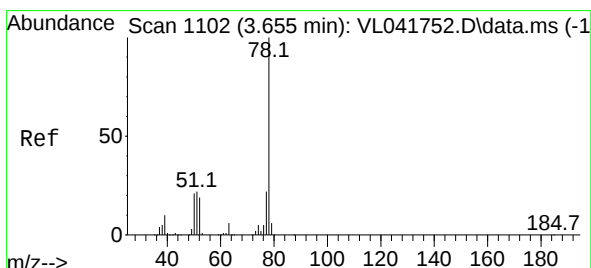
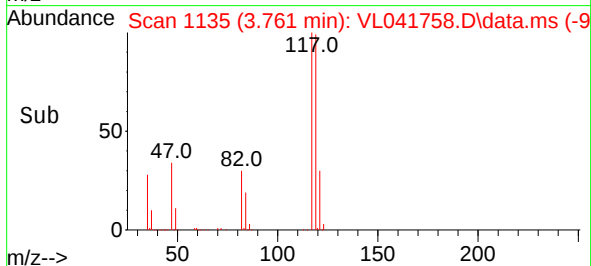
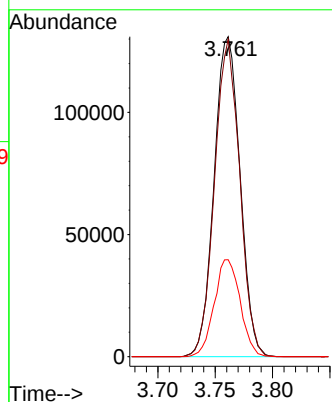
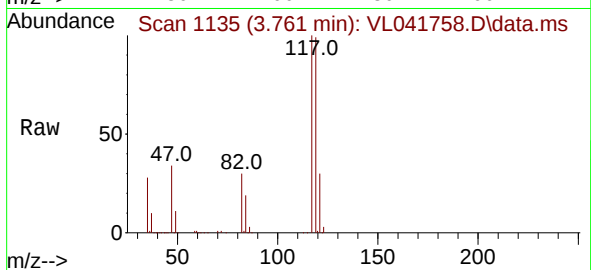
Tgt Ion:117 Resp: 206252

Ion Ratio Lower Upper

117 100

119 99.2 73.7 110.5

121 30.3 23.0 34.4



#36

Benzene

Concen: 14.192 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

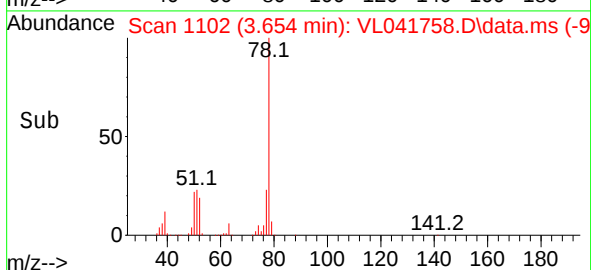
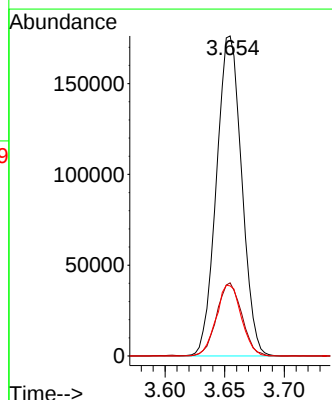
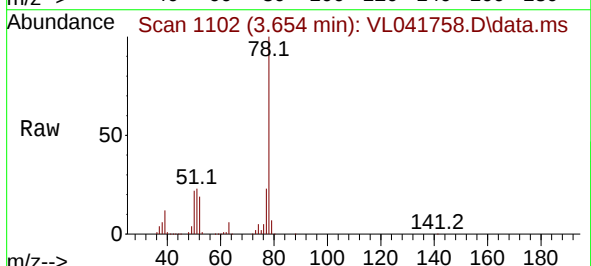
Tgt Ion: 78 Resp: 259630

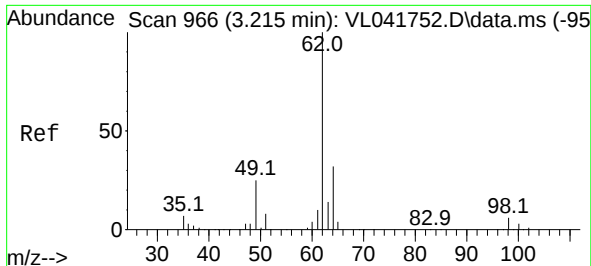
Ion Ratio Lower Upper

78 100

77 22.8 17.8 26.6

50 21.9 17.2 25.8





#37

1,2-Dichloroethane

Concen: 14.633 ppbv

RT: 3.214 min Scan# 9

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

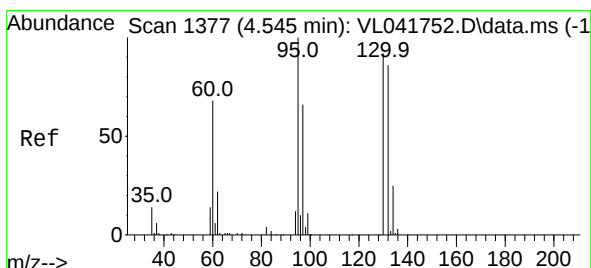
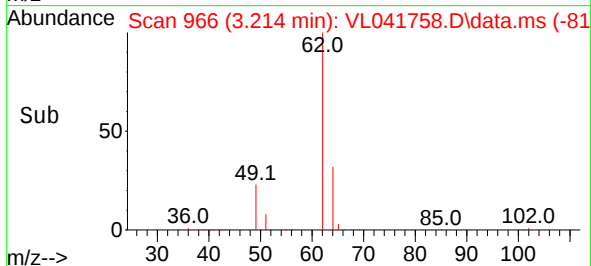
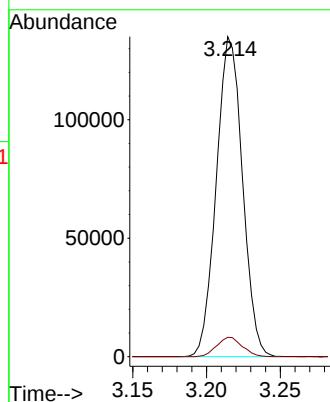
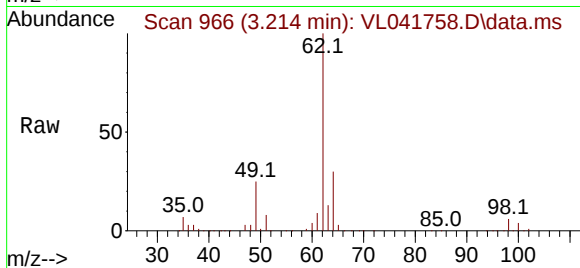
ClientSampleId :

Tgt Ion: 62 Resp: 166576

Ion Ratio Lower Upper

62 100

98 5.9 4.7 7.1



#38

Trichloroethene

Concen: 13.525 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion:130 Resp: 104184

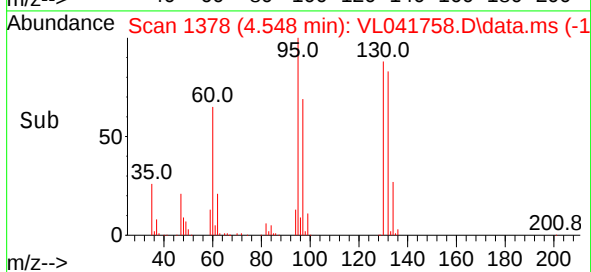
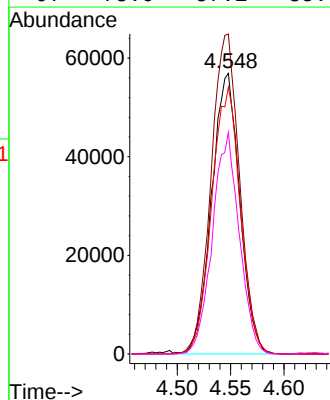
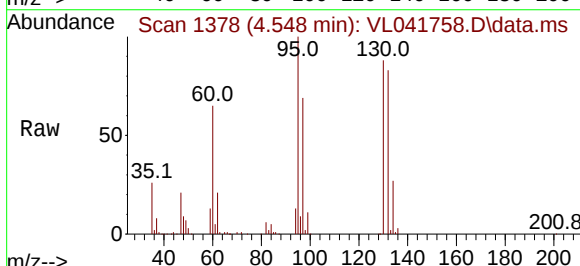
Ion Ratio Lower Upper

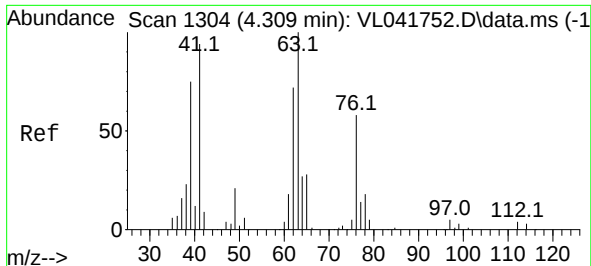
130 100

95 114.0 87.0 130.6

132 95.0 75.0 112.6

97 78.9 57.2 85.8





#39

1,2-Dichloropropane

Concen: 14.150 ppbv

RT: 4.312 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

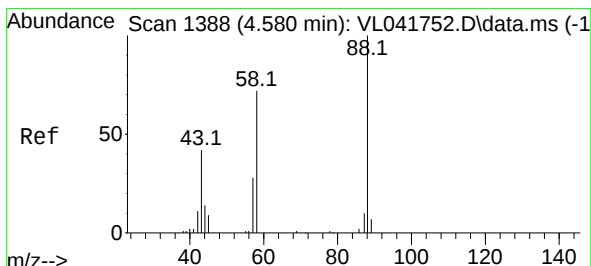
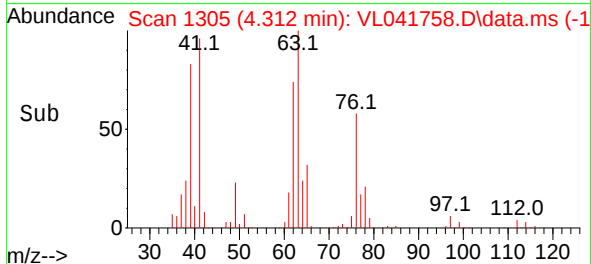
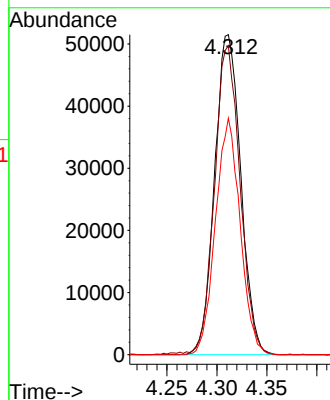
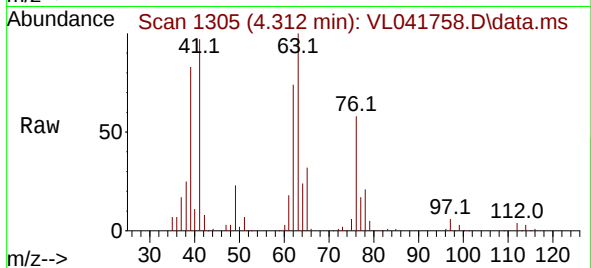
Tgt Ion: 63 Resp: 93624

Ion Ratio Lower Upper

63 100

41 96.6 75.3 112.9

62 73.9 57.3 85.9



#40

1,4-Dioxane

Concen: 13.730 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 88 Resp: 44377

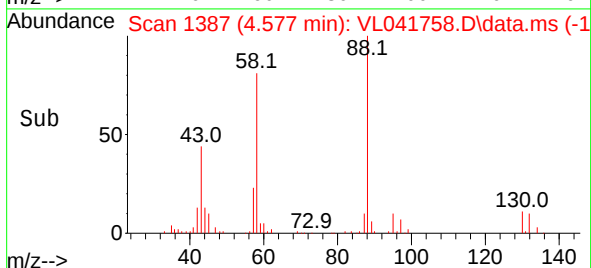
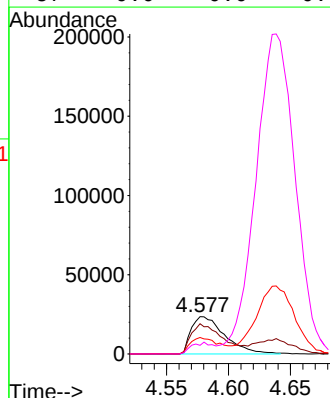
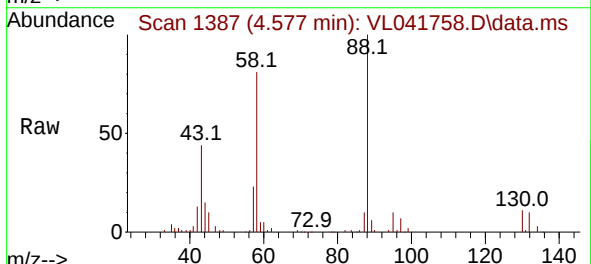
Ion Ratio Lower Upper

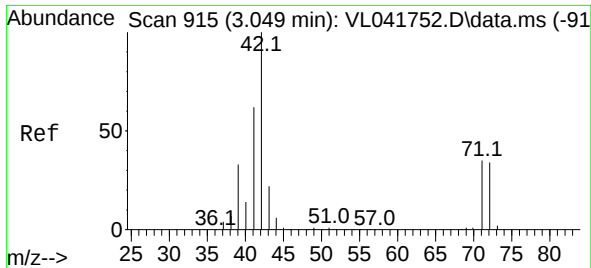
88 100

58 77.8 61.0 91.6

43 42.4 29.4 44.0

57 0.0 0.0 0.0

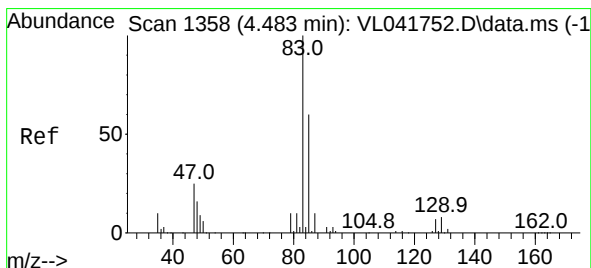
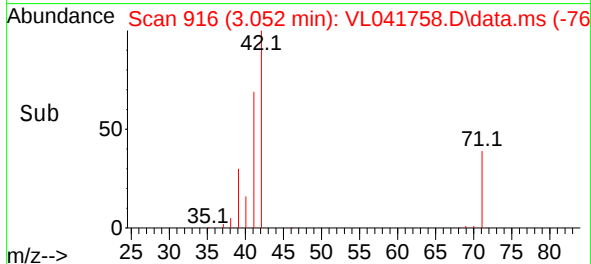
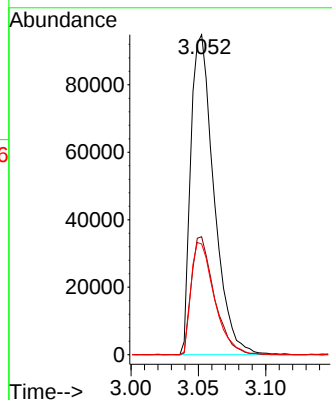
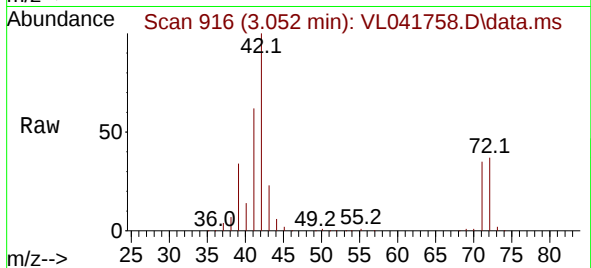




#41  
Tetrahydrofuran  
Concen: 14.254 ppbv  
RT: 3.052 min Scan# 915  
Delta R.T. 0.003 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

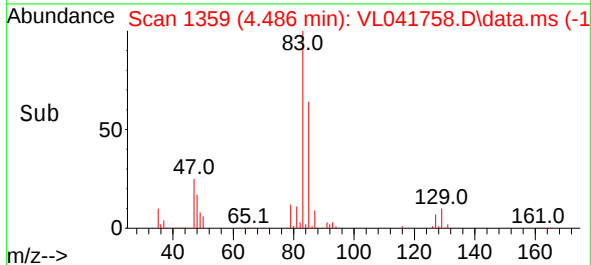
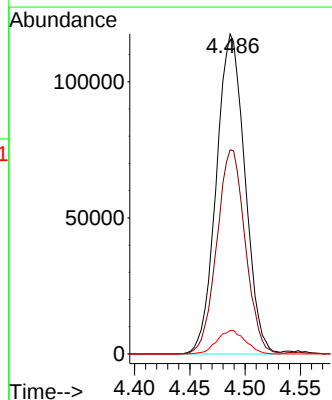
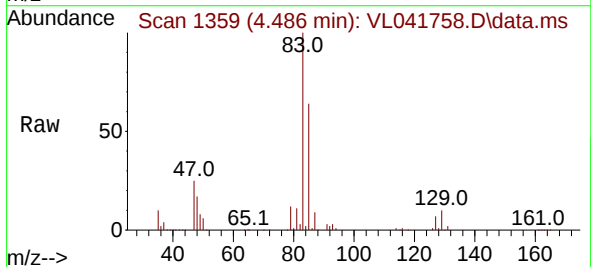
Instrument :  
MSVOA\_L  
ClientSampleId :

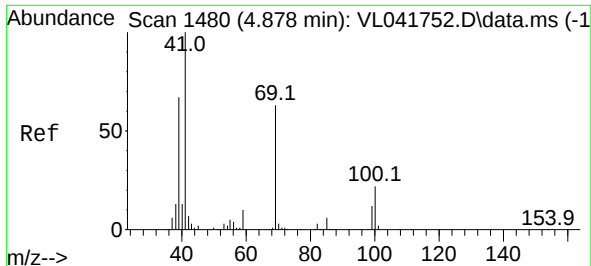
Tgt Ion: 42 Resp: 113618  
Ion Ratio Lower Upper  
42 100  
72 36.4 29.1 43.7  
71 35.3 28.4 42.6



#42  
Bromodichloromethane  
Concen: 16.123 ppbv  
RT: 4.486 min Scan# 1359  
Delta R.T. 0.003 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

Tgt Ion: 83 Resp: 211145  
Ion Ratio Lower Upper  
83 100  
85 63.7 48.0 72.0  
127 7.3 5.8 8.8





#43

Methyl Methacrylate

Concen: 15.374 ppbv

RT: 4.878 min Scan# 1480

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

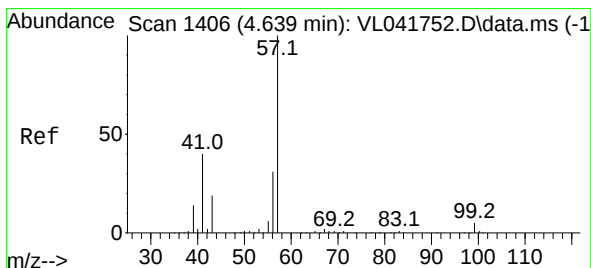
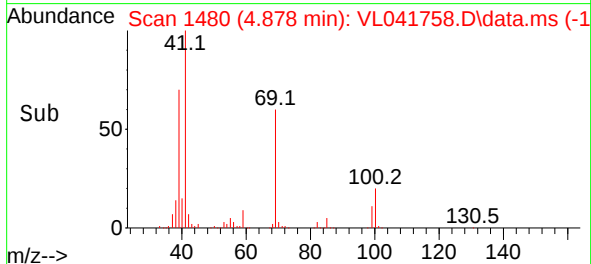
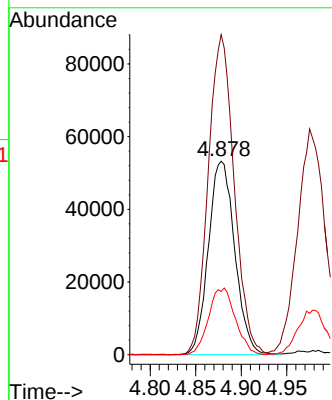
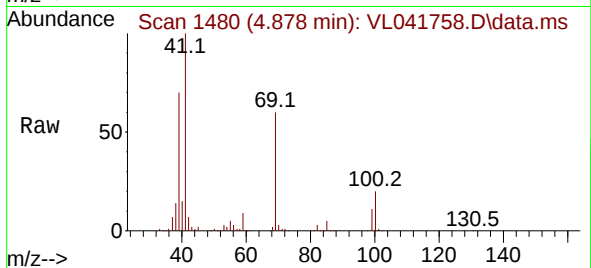
Tgt Ion: 69 Resp: 107165

Ion Ratio Lower Upper

69 100

41 162.6 130.3 195.5

100 35.0 28.3 42.5



#44

2,2,4-Trimethylpentane

Concen: 14.274 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

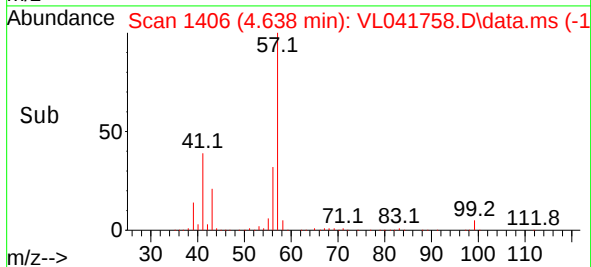
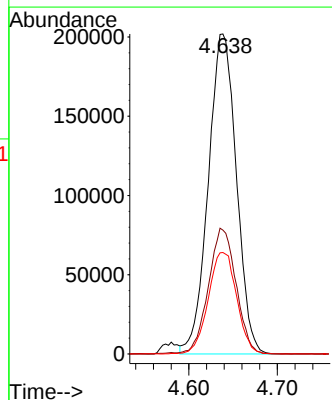
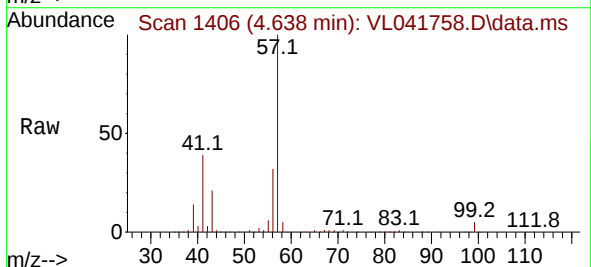
Tgt Ion: 57 Resp: 445947

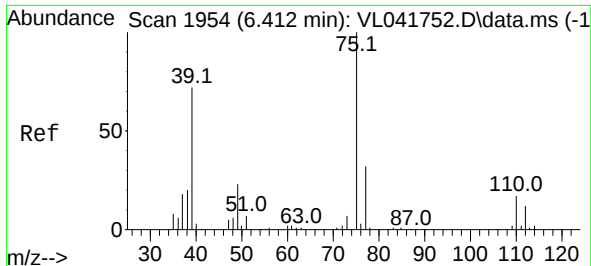
Ion Ratio Lower Upper

57 100

41 38.8 30.7 46.1

56 32.1 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 15.973 ppbv

RT: 6.409 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

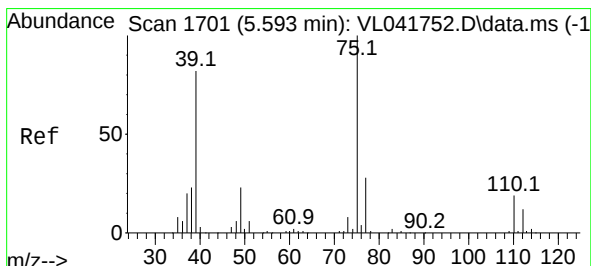
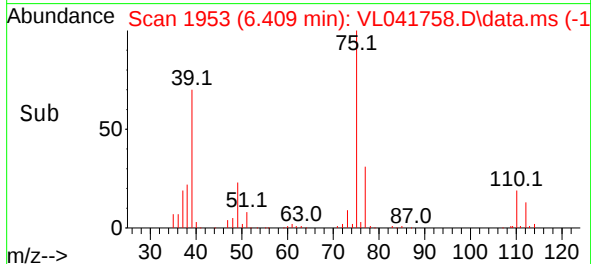
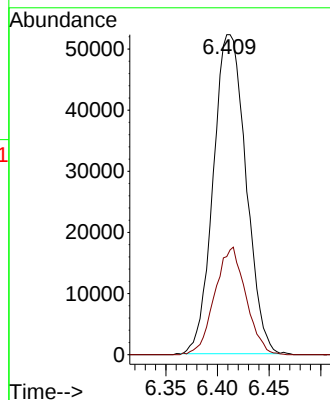
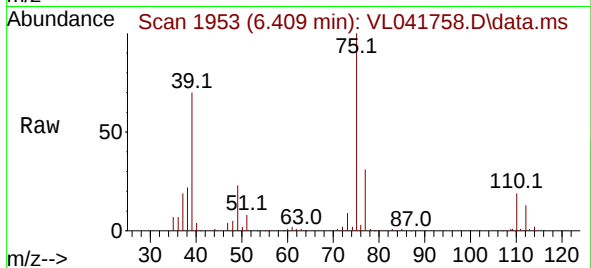
ClientSampleId :

Tgt Ion: 75 Resp: 115159

Ion Ratio Lower Upper

75 100

77 30.6 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 15.643 ppbv

RT: 5.600 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

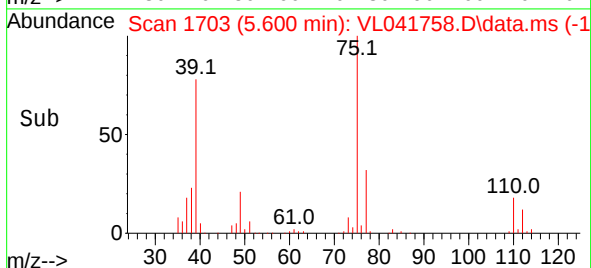
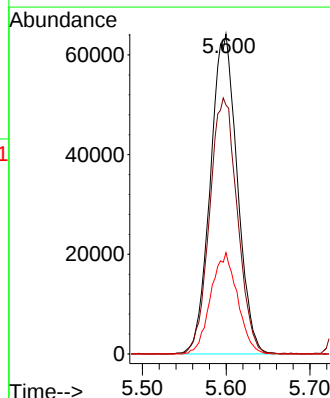
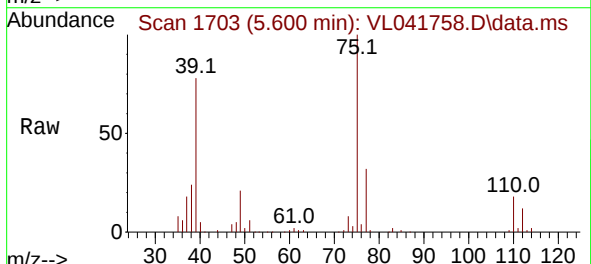
Tgt Ion: 75 Resp: 143172

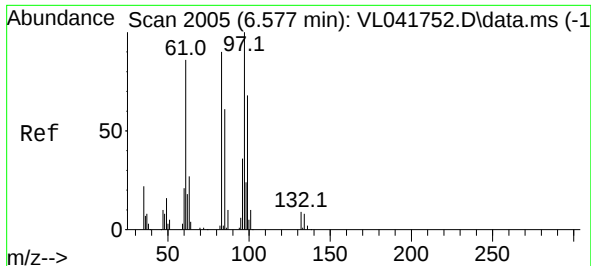
Ion Ratio Lower Upper

75 100

39 77.8 65.2 97.8

77 31.6 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 14.242 ppbv

RT: 6.580 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 97 Resp: 98426

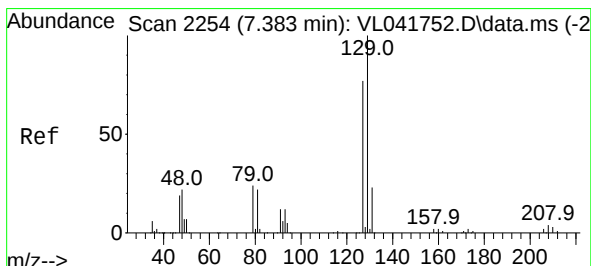
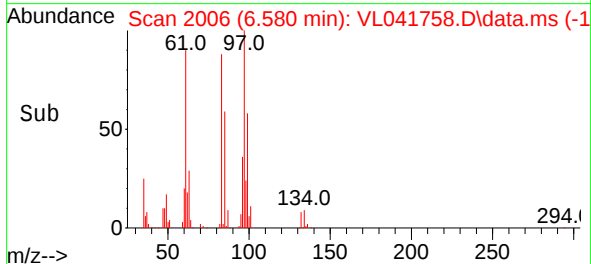
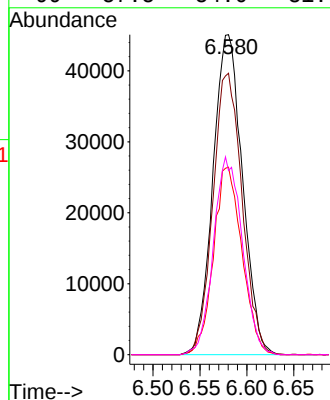
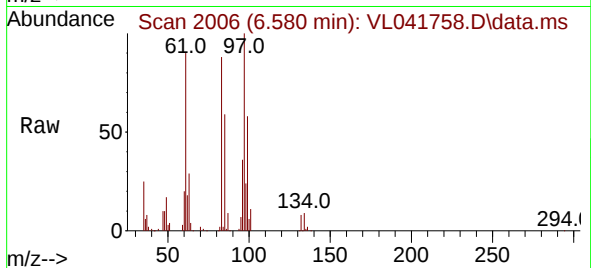
Ion Ratio Lower Upper

97 100

83 88.0 72.3 108.5

85 58.6 48.5 72.7

99 57.5 54.0 81.0



#48

Dibromochloromethane

Concen: 17.131 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VL041758.D

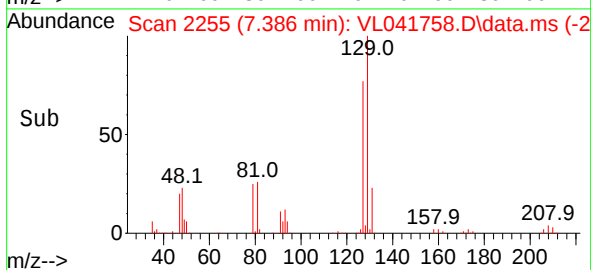
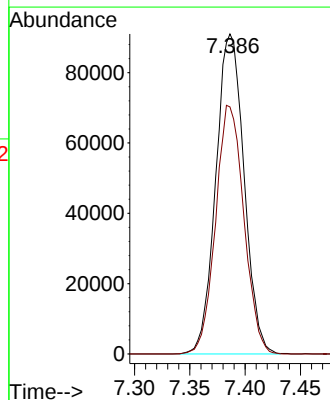
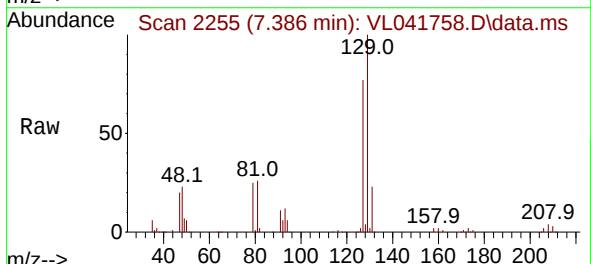
Acq: 16 Dec 2024 16:41

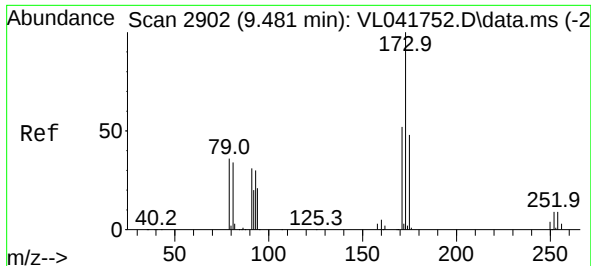
Tgt Ion: 129 Resp: 161661

Ion Ratio Lower Upper

129 100

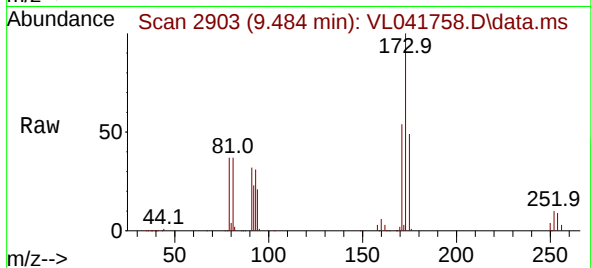
127 77.6 38.8 116.3



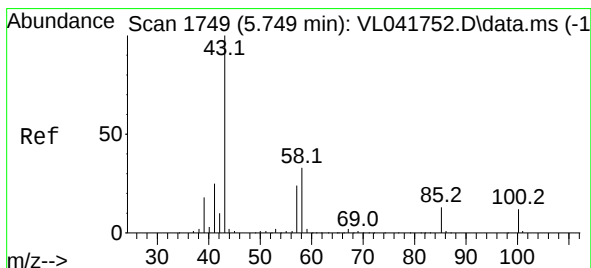
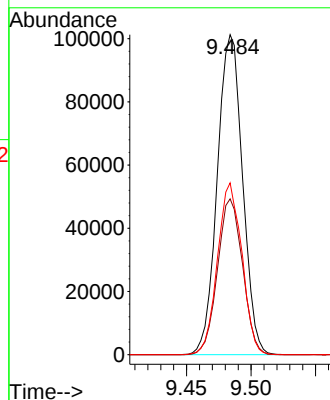
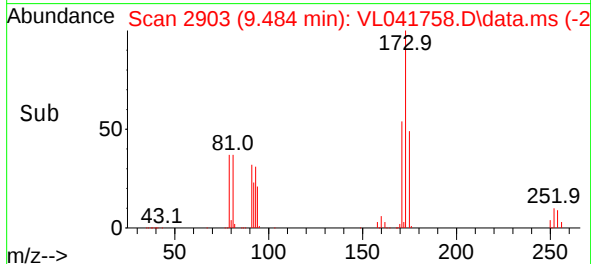


#49  
Bromoform  
Concen: 17.838 ppbv  
RT: 9.484 min Scan# 2902  
Delta R.T. 0.003 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

Instrument :  
MSVOA\_L  
ClientSampleId :

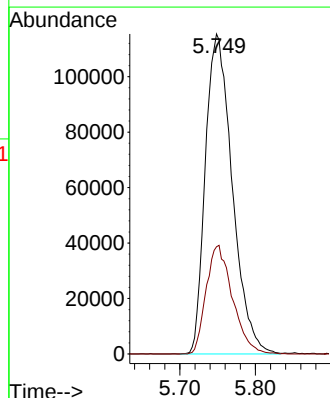
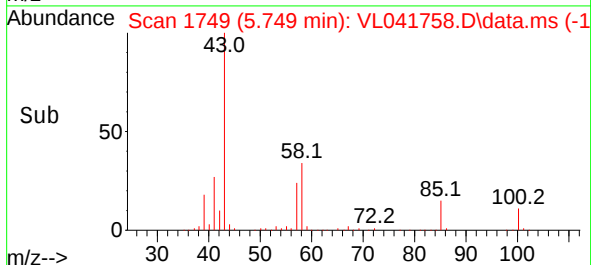
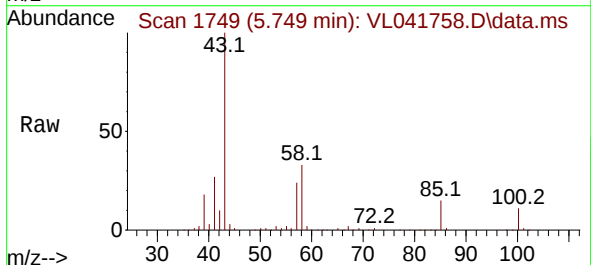


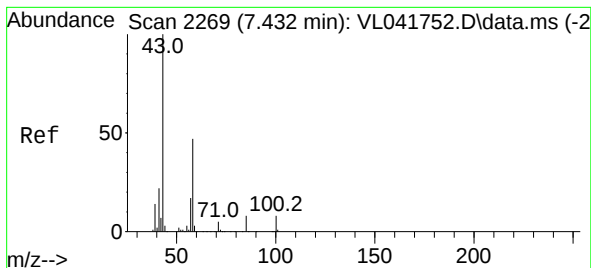
Tgt Ion:173 Resp: 137786  
Ion Ratio Lower Upper  
173 100  
175 48.2 38.2 57.2  
171 51.8 41.1 61.7



#50  
4-Methyl-2-Pentanone  
Concen: 14.735 ppbv  
RT: 5.749 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

Tgt Ion: 43 Resp: 285467  
Ion Ratio Lower Upper  
43 100  
58 33.2 26.8 40.2





#51

2-Hexanone

Concen: 14.798 ppbv

RT: 7.435 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

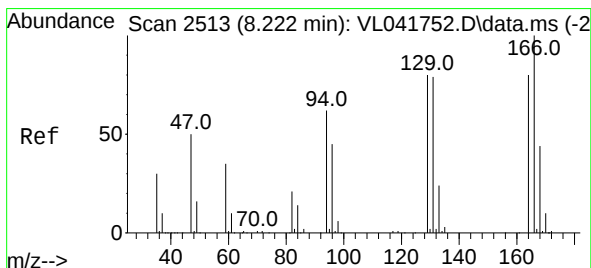
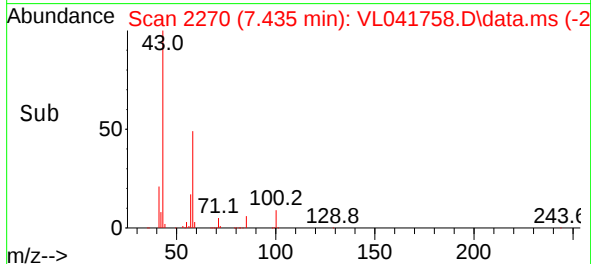
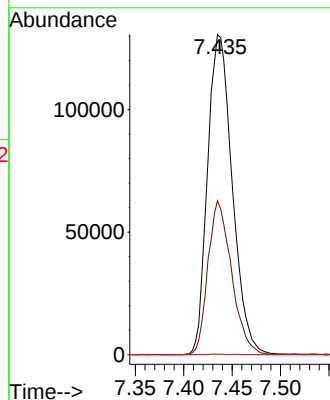
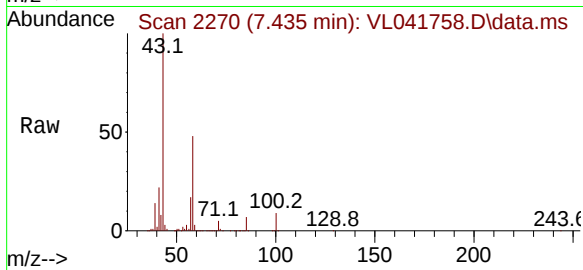
Tgt Ion: 43 Resp: 232363

Ion Ratio Lower Upper

43 100

58 46.0 36.6 55.0

98 0.2 0.1 0.1#



#52

Tetrachloroethene

Concen: 13.675 ppbv

RT: 8.225 min Scan# 2514

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 164 Resp: 93120

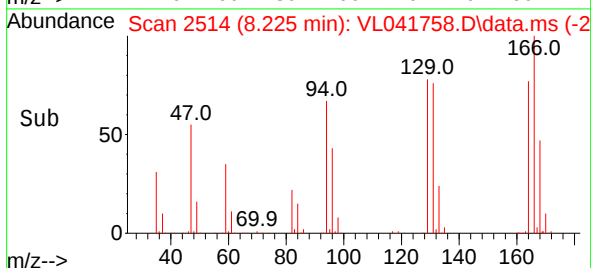
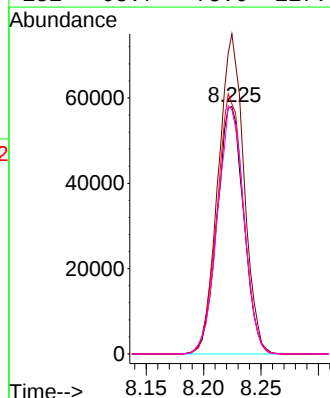
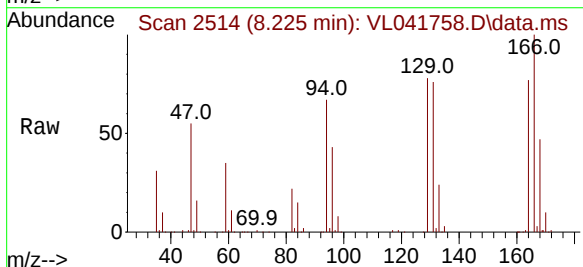
Ion Ratio Lower Upper

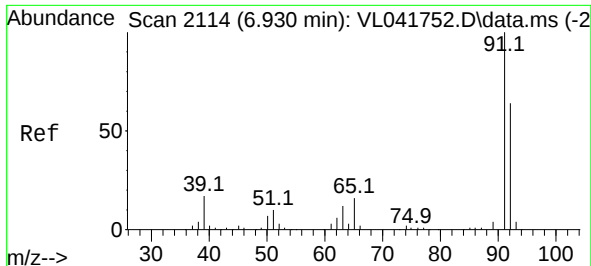
164 100

166 129.3 99.8 149.6

129 101.1 79.6 119.4

131 98.7 78.6 117.8





#53

Toluene

Concen: 14.533 ppbv

RT: 6.930 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

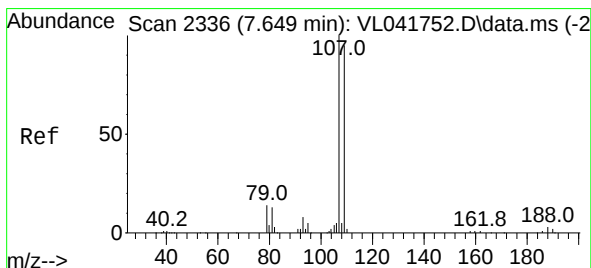
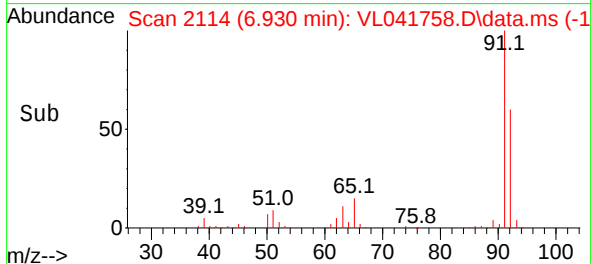
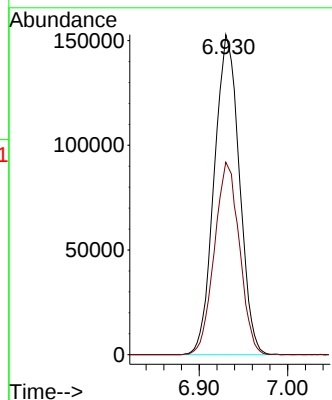
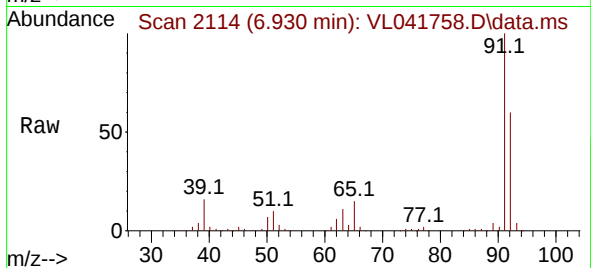
ClientSampleId :

Tgt Ion: 91 Resp: 301428

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 14.690 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VL041758.D

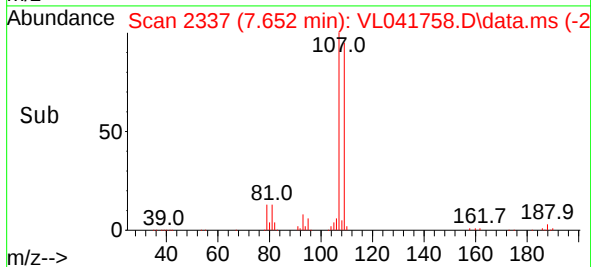
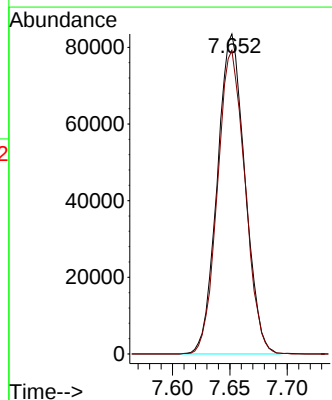
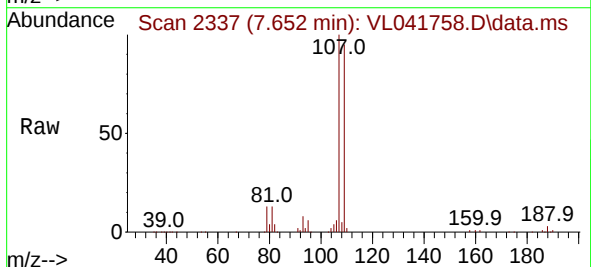
Acq: 16 Dec 2024 16:41

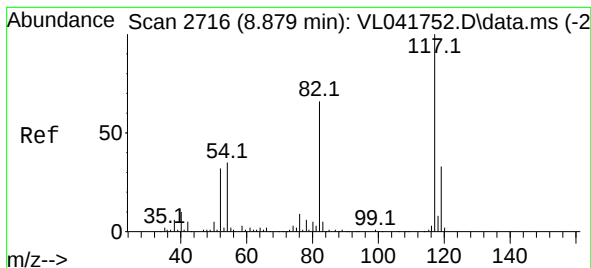
Tgt Ion:107 Resp: 139889

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

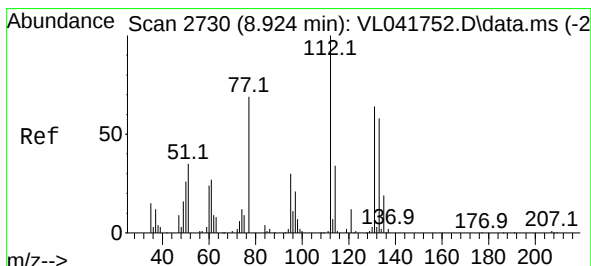
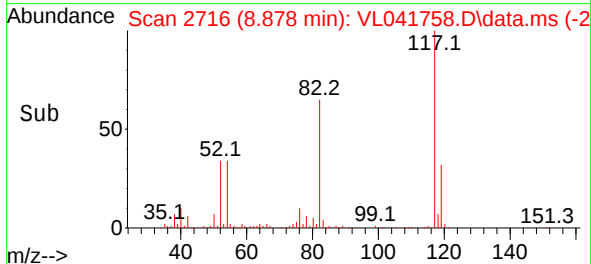
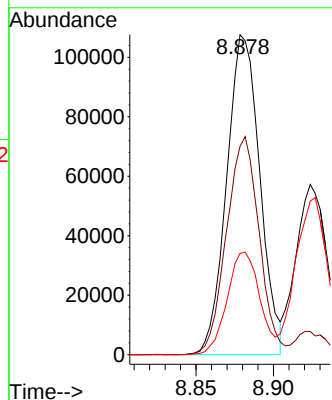
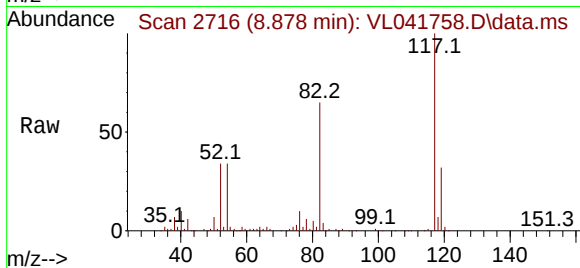
Tgt Ion:117 Resp: 160457

Ion Ratio Lower Upper

117 100

82 67.5 53.8 80.8

119 31.6 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 15.059 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

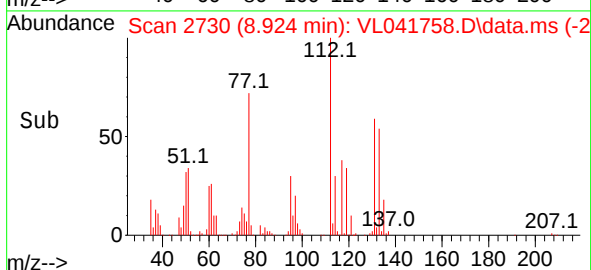
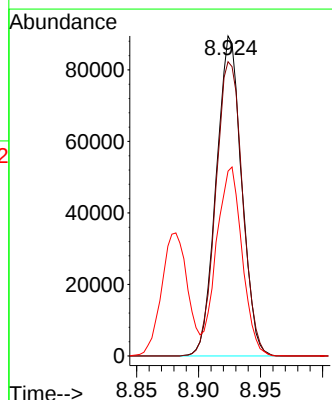
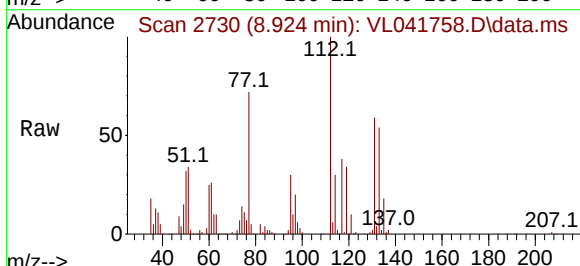
Tgt Ion:131 Resp: 128108

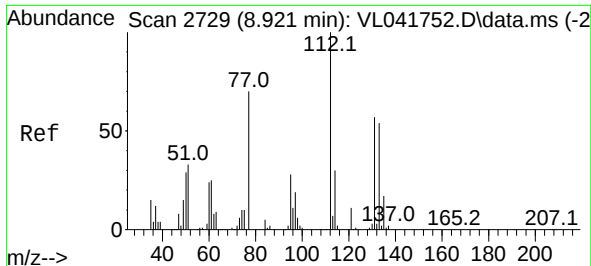
Ion Ratio Lower Upper

131 100

133 96.7 76.8 115.2

119 59.9 49.0 73.6





#57

Chlorobenzene

Concen: 13.869 ppbv

RT: 8.924 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

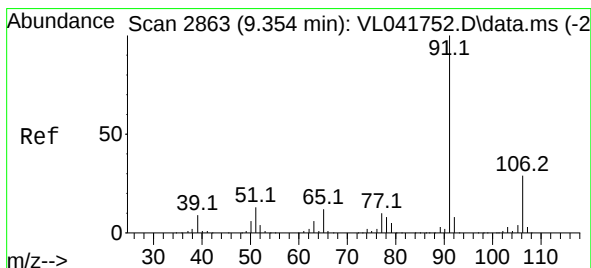
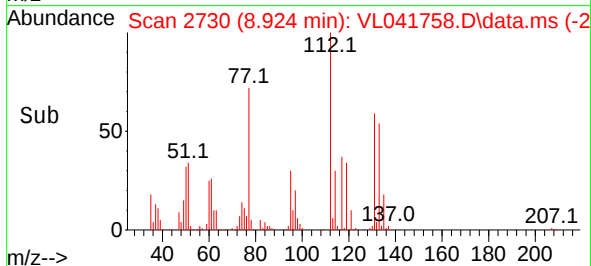
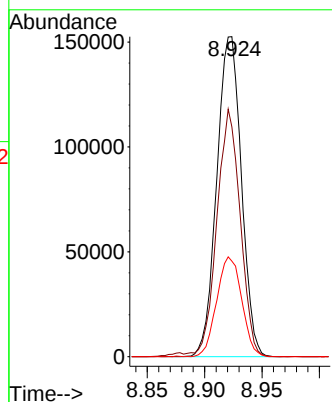
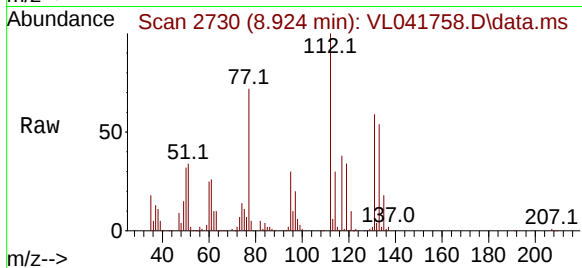
Tgt Ion:112 Resp: 227716

Ion Ratio Lower Upper

112 100

77 71.8 57.4 86.0

114 29.8 27.4 33.4



#58

Ethyl Benzene

Concen: 14.742 ppbv

RT: 9.354 min Scan# 2863

Delta R.T. -0.000 min

Lab File: VL041758.D

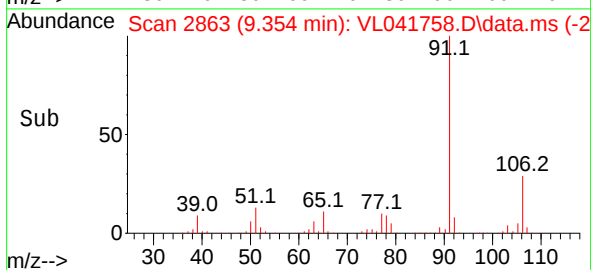
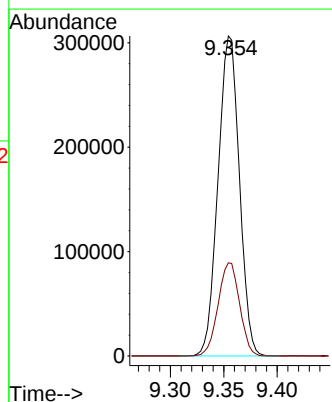
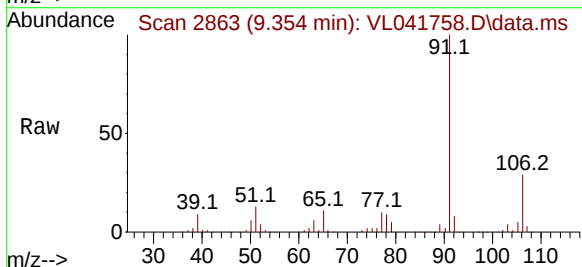
Acq: 16 Dec 2024 16:41

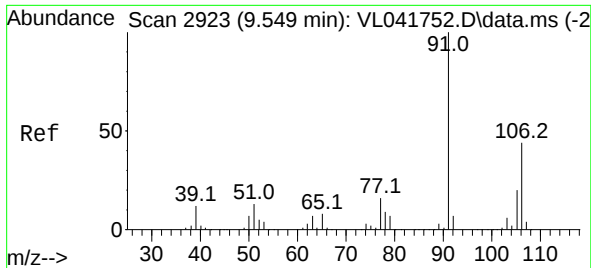
Tgt Ion: 91 Resp: 425852

Ion Ratio Lower Upper

91 100

106 29.1 23.5 35.3





#59

m/p-Xylene

Concen: 15.660 ppbv

RT: 9.552 min Scan# 2923

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_1

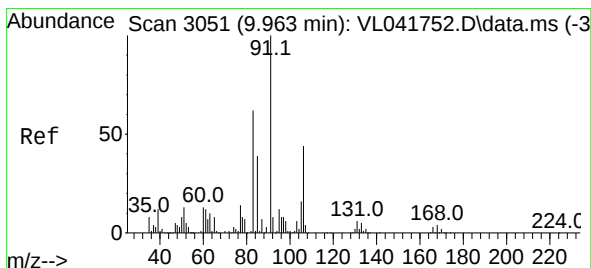
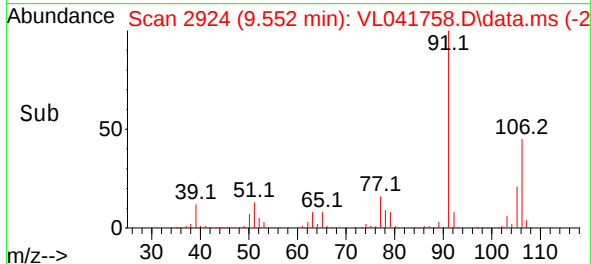
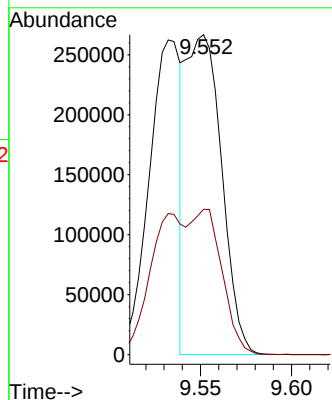
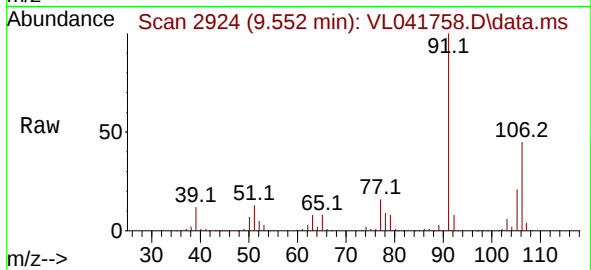
ClientSampleId :

Tgt Ion: 91 Resp: 363863

Ion Ratio Lower Upper

91 100

106 83.6 0.0 0.0#



#60

o-Xylene

Concen: 14.506 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041758.D

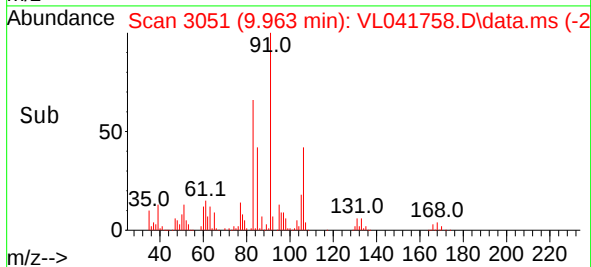
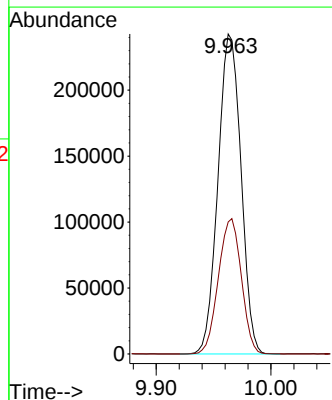
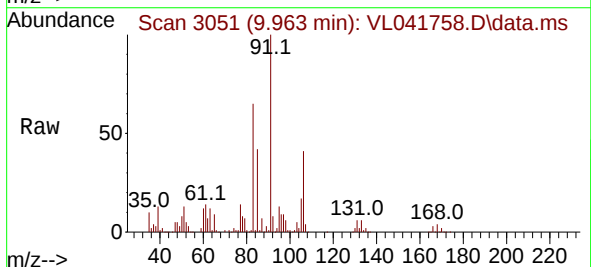
Acq: 16 Dec 2024 16:41

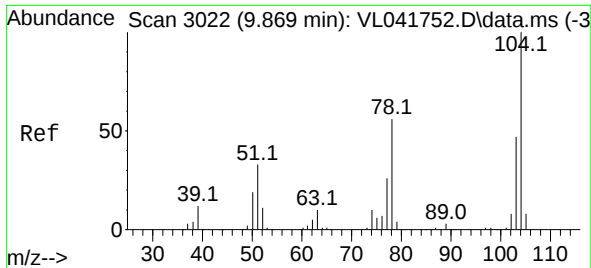
Tgt Ion: 91 Resp: 337891

Ion Ratio Lower Upper

91 100

106 42.2 21.1 63.4

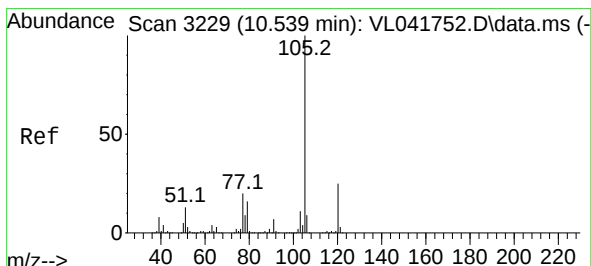
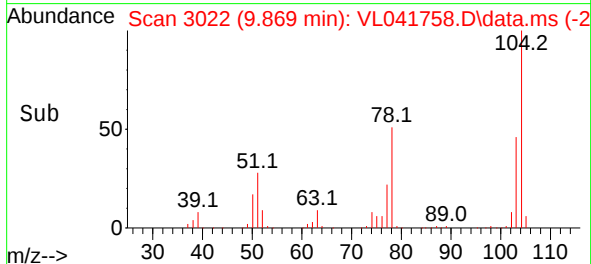
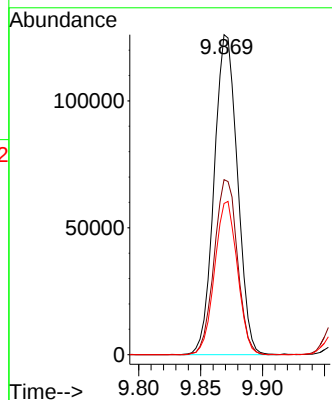
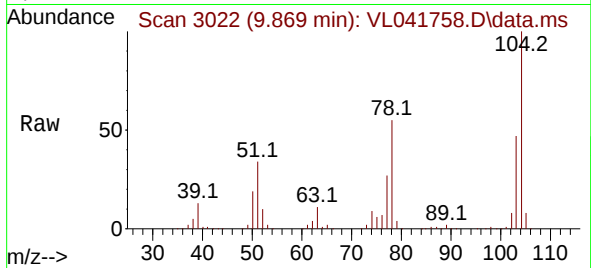




#61  
Styrene  
Concen: 16.415 ppbv  
RT: 9.869 min Scan# 3022  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

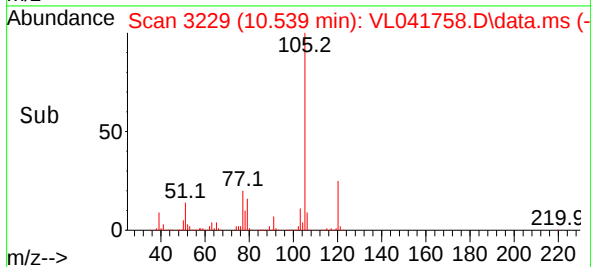
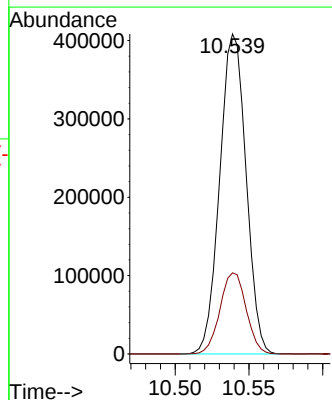
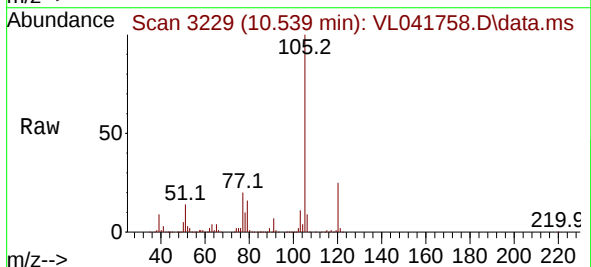
Instrument :  
MSVOA\_L  
ClientSampleId :

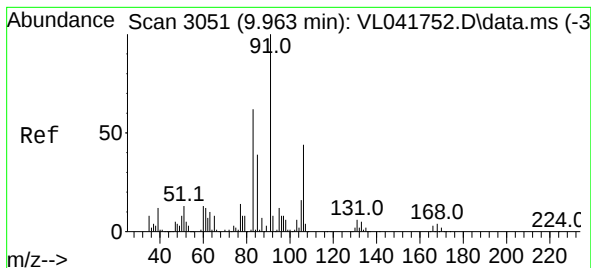
Tgt Ion:104 Resp: 165328  
Ion Ratio Lower Upper  
104 100  
78 54.5 43.8 65.6  
103 46.9 37.8 56.6



#62  
Isopropylbenzene  
Concen: 14.475 ppbv  
RT: 10.539 min Scan# 3229  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 506570  
Ion Ratio Lower Upper  
105 100  
120 25.2 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 13.790 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

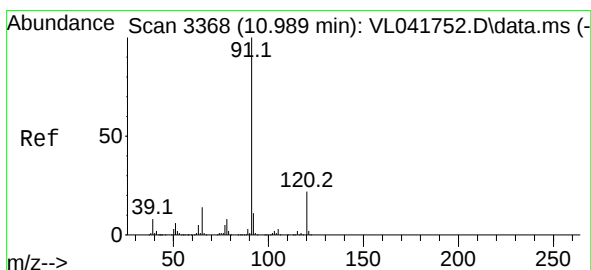
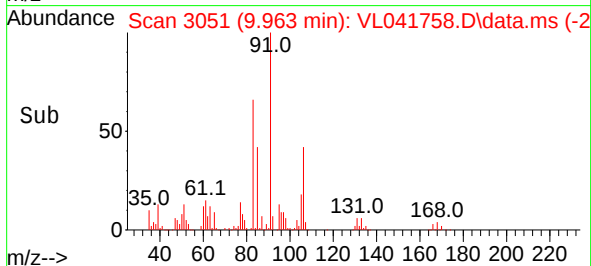
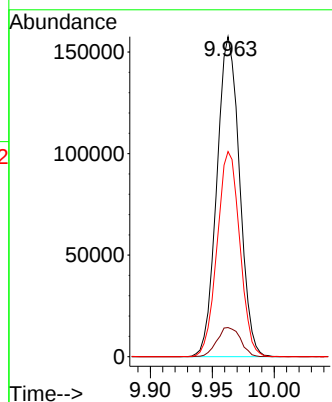
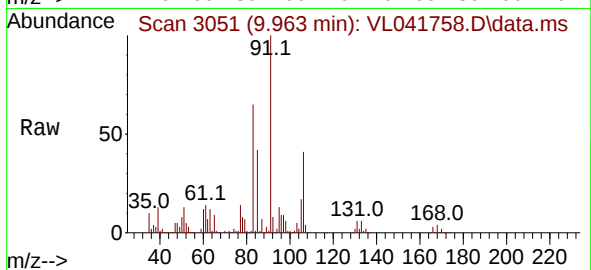
Tgt Ion: 83 Resp: 201057

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

85 64.0 32.0 96.2



#64

n-propylbenzene

Concen: 14.602 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. -0.000 min

Lab File: VL041758.D

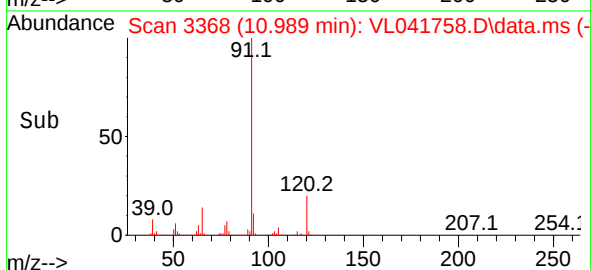
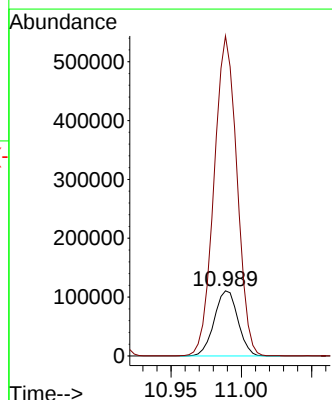
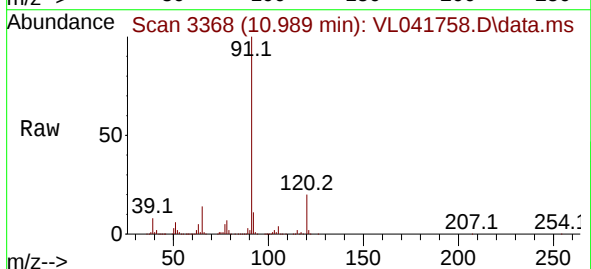
Acq: 16 Dec 2024 16:41

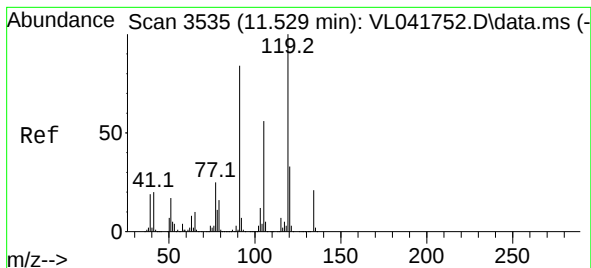
Tgt Ion:120 Resp: 129200

Ion Ratio Lower Upper

120 100

91 475.8 387.3 580.9





#65

tert-Butylbenzene

Concen: 14.148 ppbv

RT: 11.532 min Scan# 3535

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

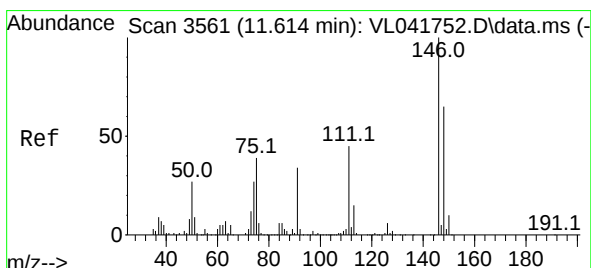
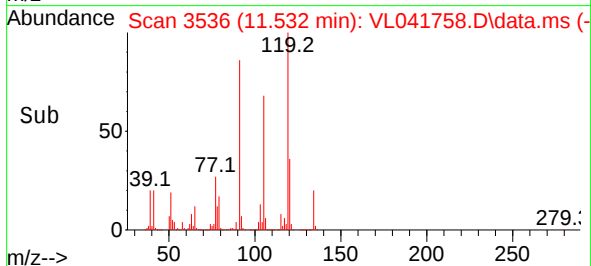
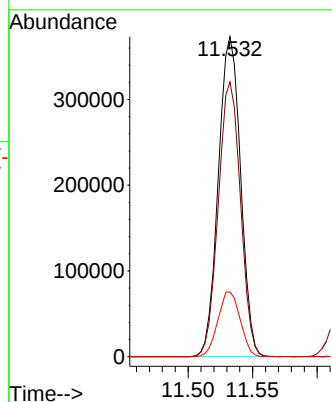
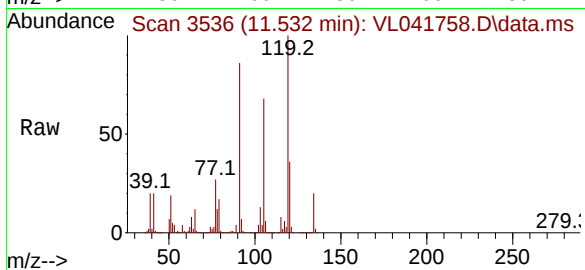
Tgt Ion:119 Resp: 446690

Ion Ratio Lower Upper

119 100

91 85.7 67.0 100.4

134 20.3 16.5 24.7



#66

Benzyl Chloride

Concen: 16.234 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

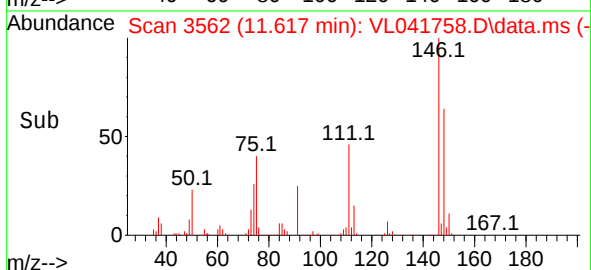
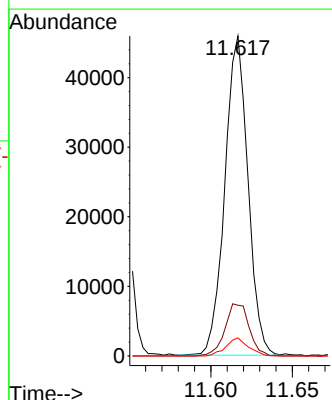
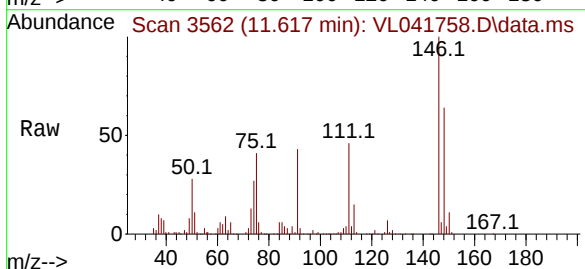
Tgt Ion: 91 Resp: 45189

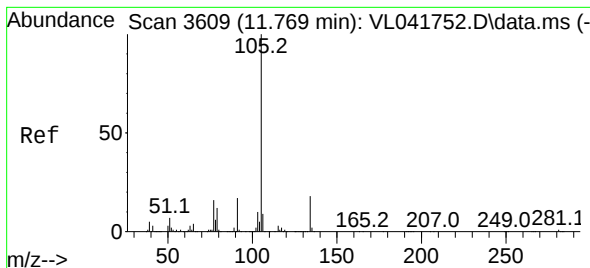
Ion Ratio Lower Upper

91 100

126 17.1 13.9 20.9

128 5.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 14.295 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

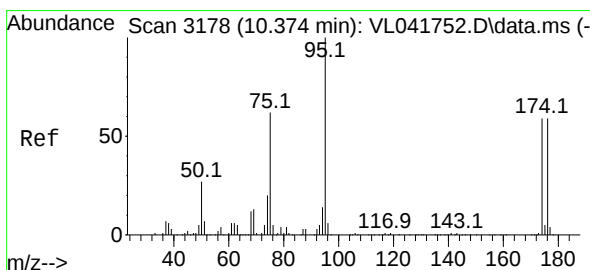
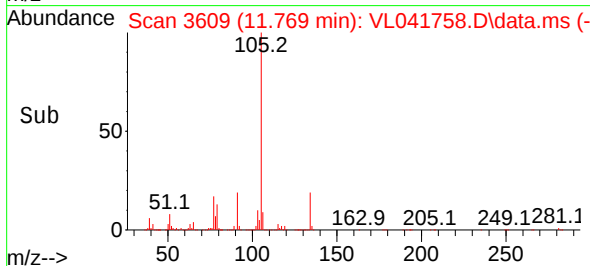
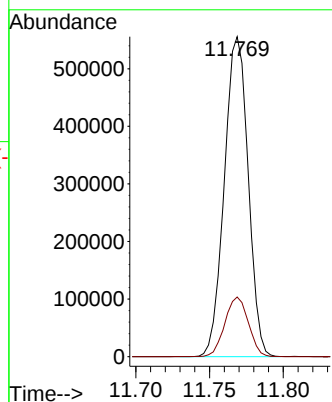
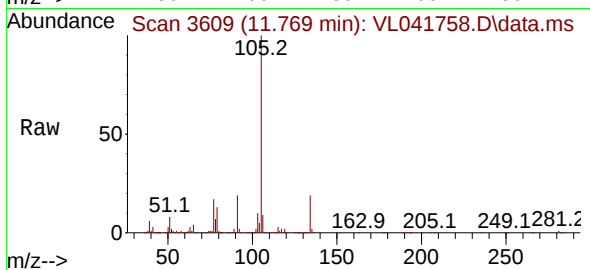
ClientSampleId :

Tgt Ion:105 Resp: 624565

Ion Ratio Lower Upper

105 100

134 18.5 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.998 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

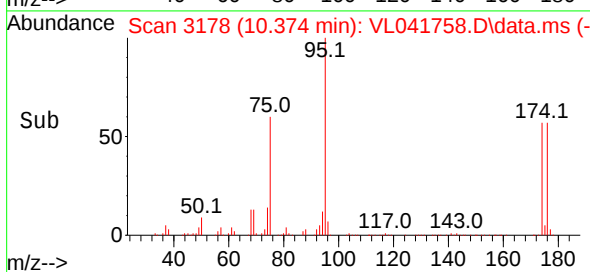
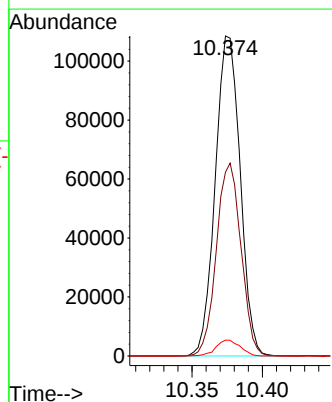
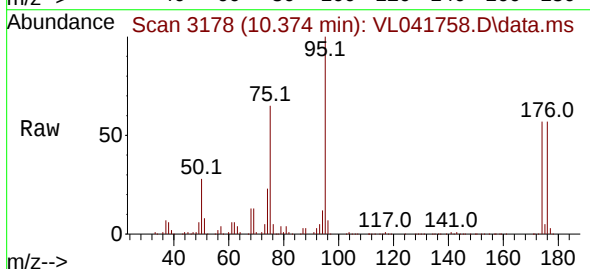
Tgt Ion: 95 Resp: 133687

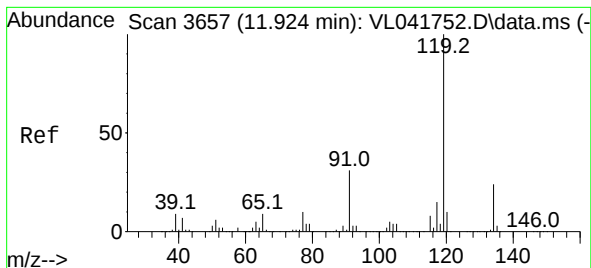
Ion Ratio Lower Upper

95 100

174 59.4 47.6 71.4

175 4.8 3.7 5.5





#69

p-Isopropyltoluene

Concen: 14.671 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

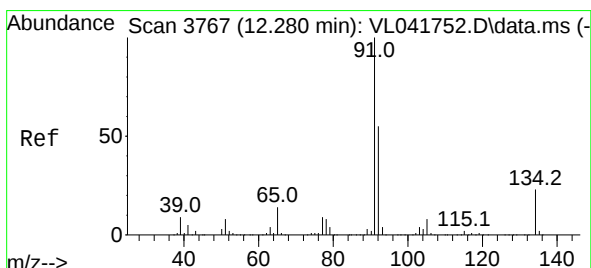
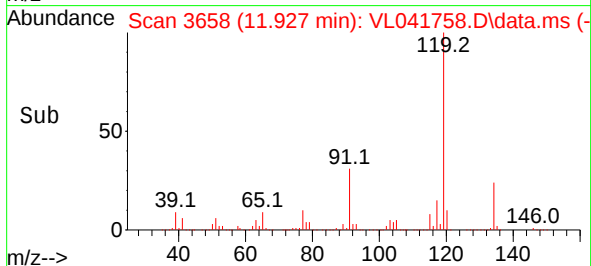
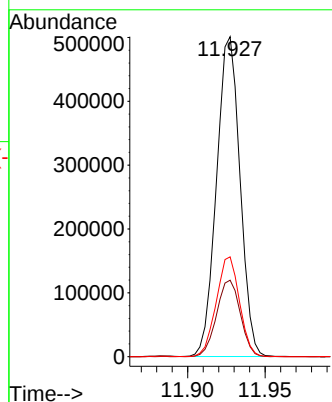
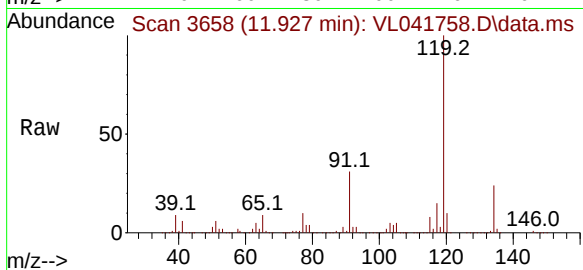
Tgt Ion:119 Resp: 528265

Ion Ratio Lower Upper

119 100

134 24.3 19.6 29.4

91 31.0 24.4 36.6



#70

n-Butylbenzene

Concen: 15.101 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

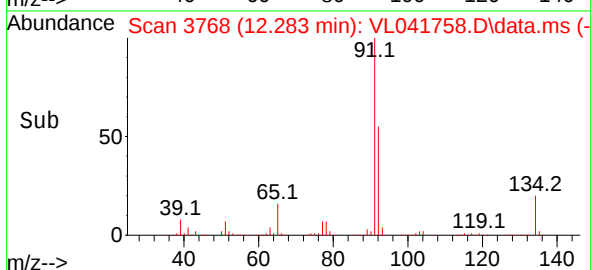
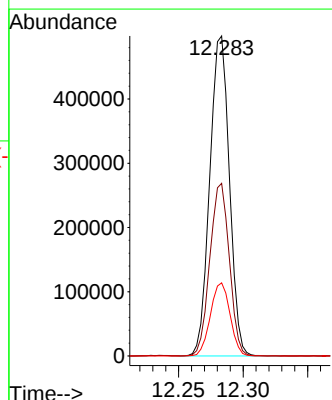
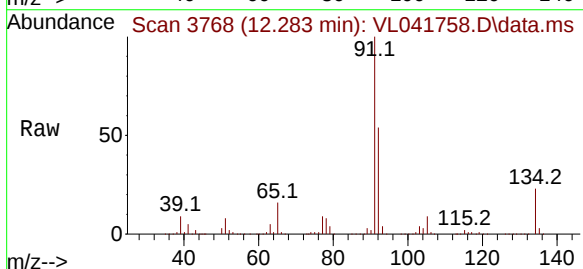
Tgt Ion: 91 Resp: 525377

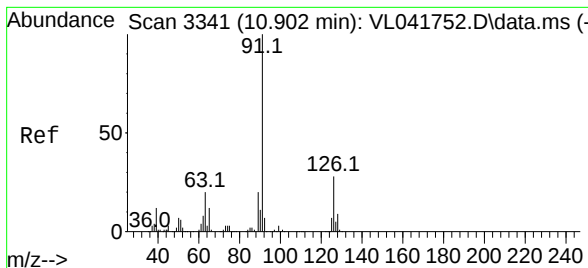
Ion Ratio Lower Upper

91 100

92 53.8 43.2 64.8

134 22.8 18.2 27.4





#71

2-Chlorotoluene

Concen: 14.498 ppbv

RT: 10.901 min Scan# 3410

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

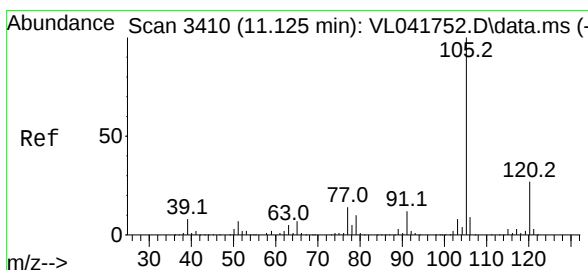
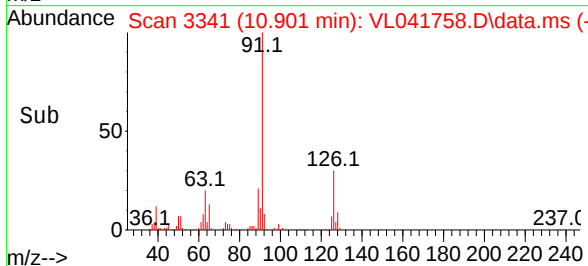
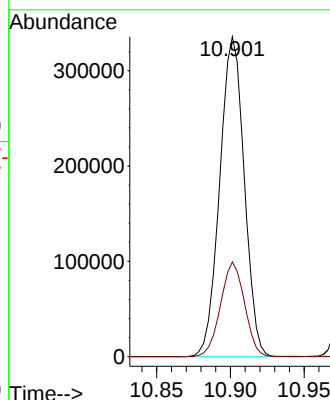
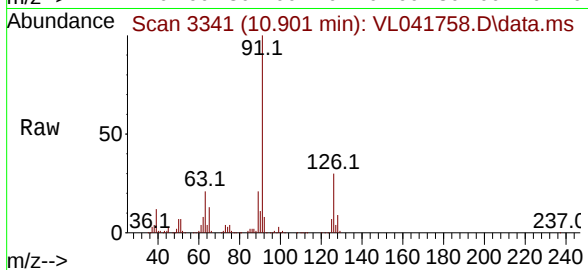
ClientSampleId :

Tgt Ion: 91 Resp: 387300

Ion Ratio Lower Upper

91 100

126 29.0 11.6 46.4



#72

4-Ethyltoluene

Concen: 14.934 ppbv

RT: 11.125 min Scan# 3410

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 409822

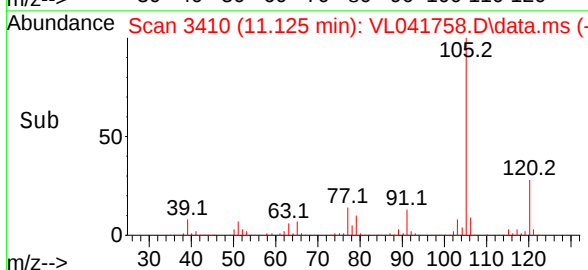
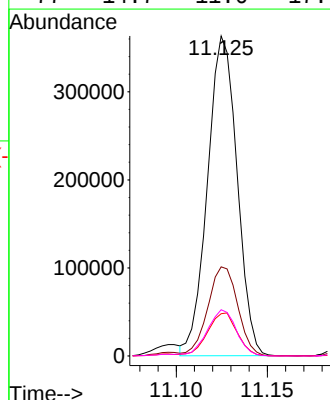
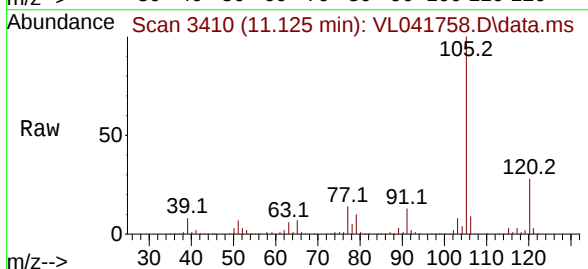
Ion Ratio Lower Upper

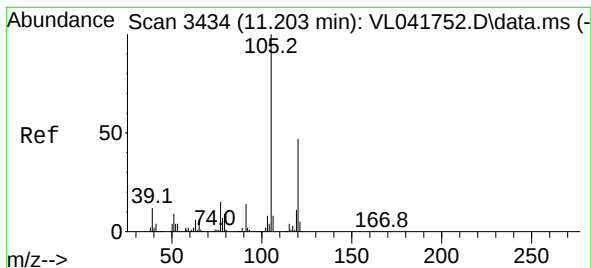
105 100

120 29.2 23.3 34.9

91 13.9 10.9 16.3

77 14.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 15.383 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

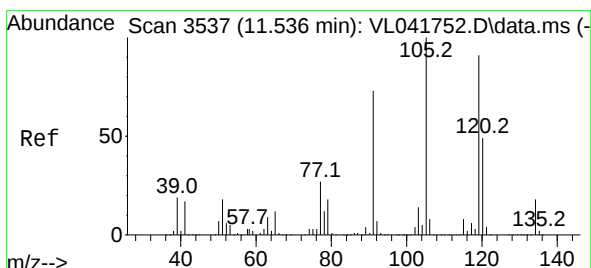
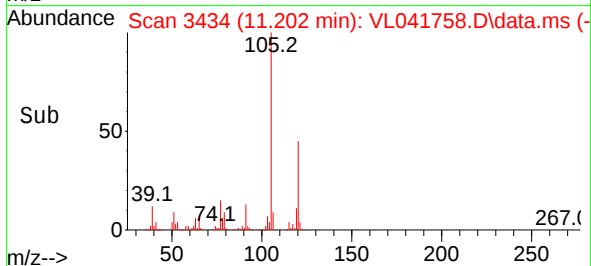
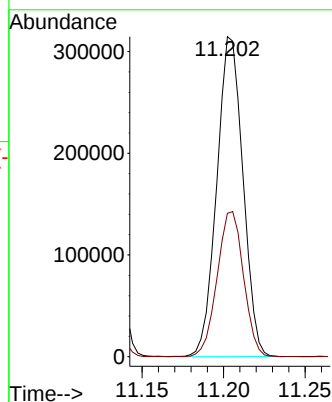
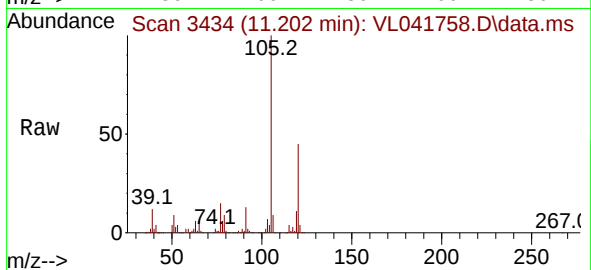
ClientSampleId :

Tgt Ion:105 Resp: 350895

Ion Ratio Lower Upper

105 100

120 44.8 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 15.144 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 371476

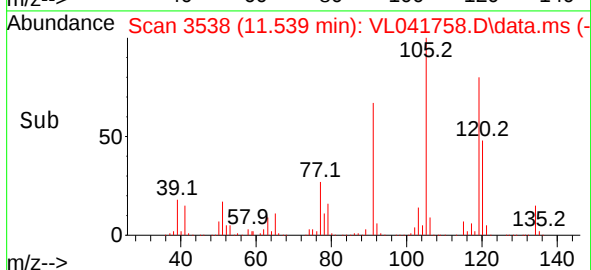
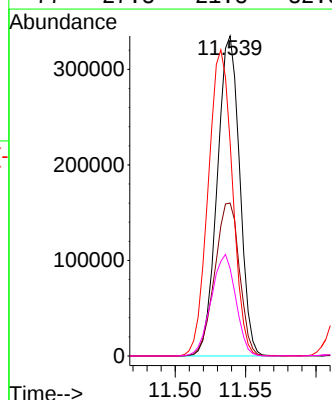
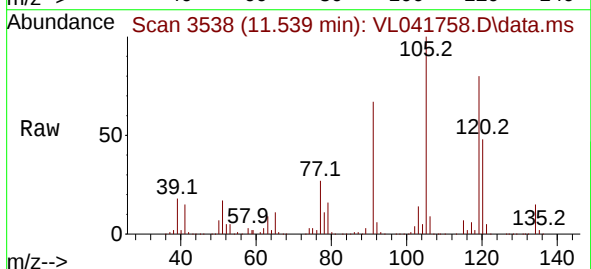
Ion Ratio Lower Upper

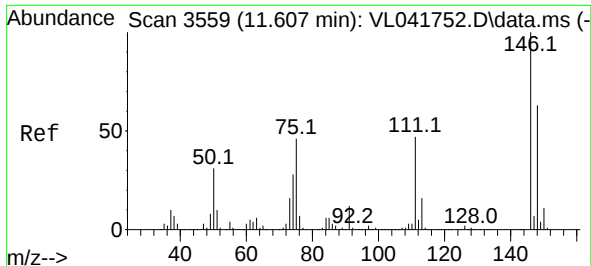
105 100

120 47.8 39.0 58.4

91 66.6 58.1 87.1

77 27.3 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 14.036 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :

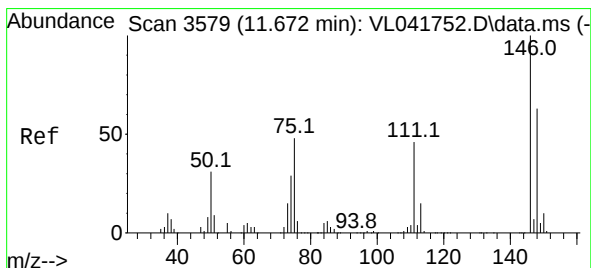
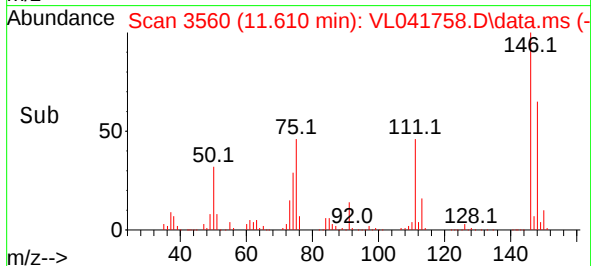
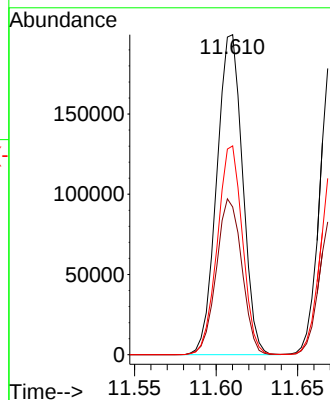
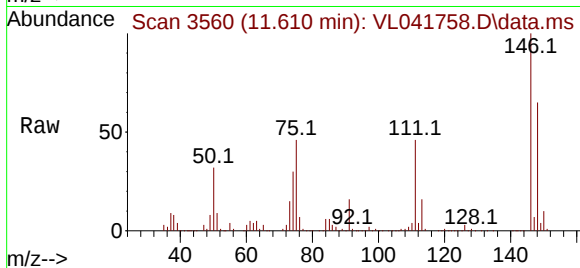
Tgt Ion:146 Resp: 219506

Ion Ratio Lower Upper

146 100

111 48.2 23.4 70.3

148 63.5 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 14.388 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

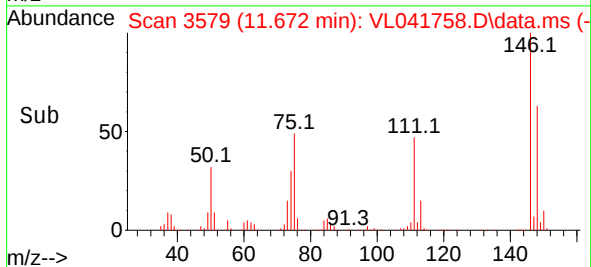
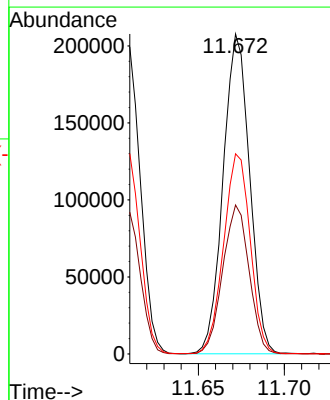
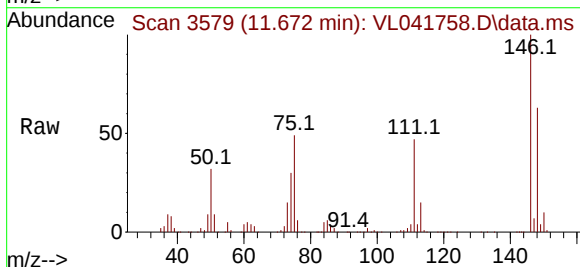
Tgt Ion:146 Resp: 222290

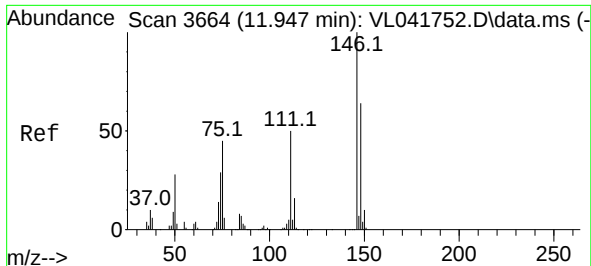
Ion Ratio Lower Upper

146 100

111 46.6 22.7 68.1

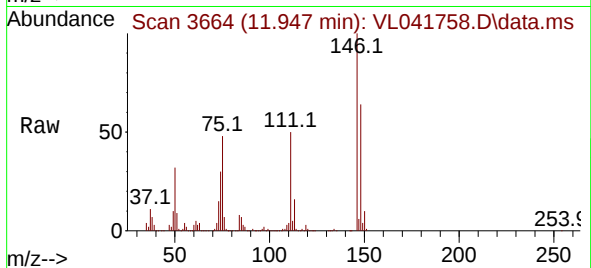
148 63.2 31.4 94.0



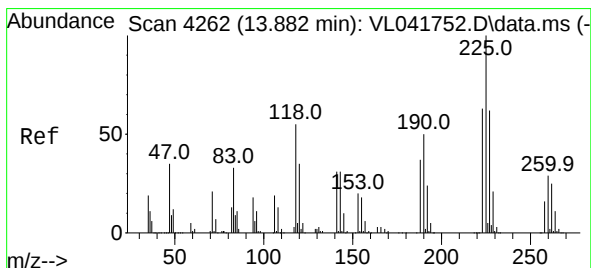
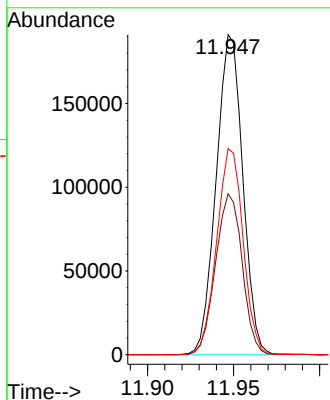
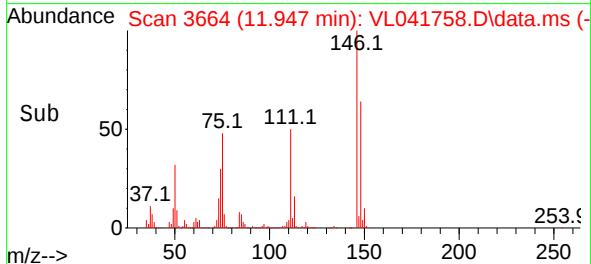


#77  
1,2-Dichlorobenzene  
Concen: 13.672 ppbv  
RT: 11.947 min Scan# 3664  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41

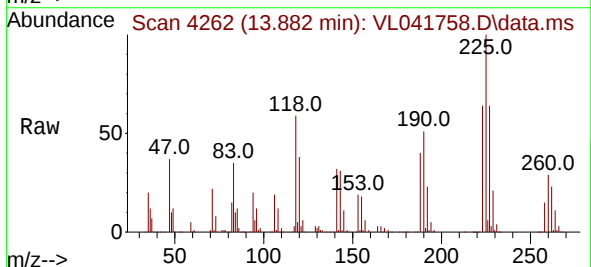
Instrument :  
MSVOA\_L  
ClientSampleId :



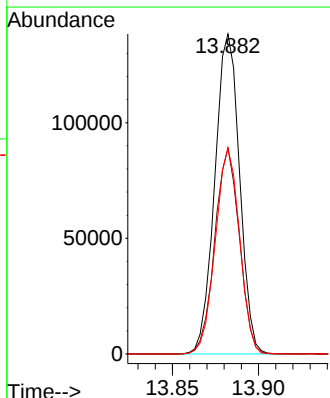
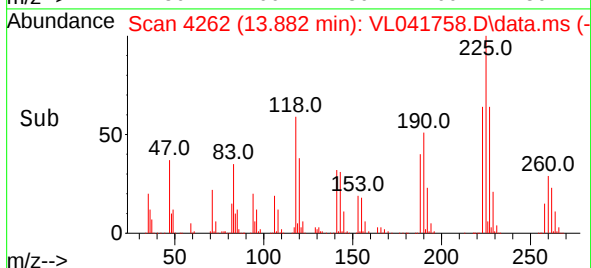
Tgt Ion:146 Resp: 205737  
Ion Ratio Lower Upper  
146 100  
111 50.4 24.8 74.3  
148 63.9 31.8 95.4

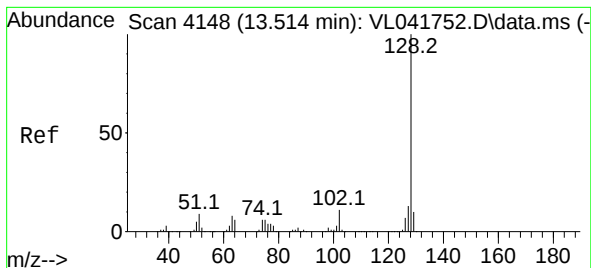


#78  
Hexachloro-1,3-Butadiene  
Concen: 12.412 ppbv  
RT: 13.882 min Scan# 4262  
Delta R.T. -0.000 min  
Lab File: VL041758.D  
Acq: 16 Dec 2024 16:41



Tgt Ion:225 Resp: 138481  
Ion Ratio Lower Upper  
225 100  
223 63.7 50.5 75.7  
227 63.1 50.3 75.5





#79

Naphthalene

Concen: 17.611 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

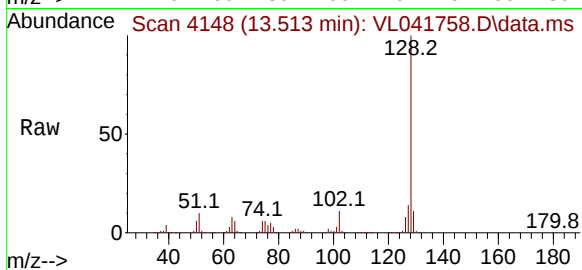
Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :



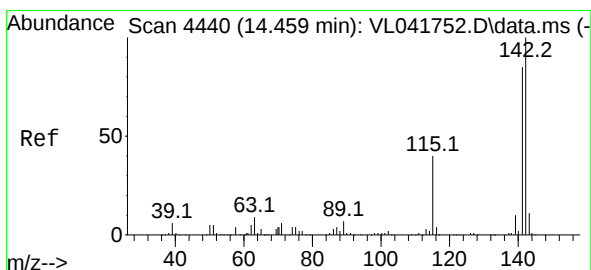
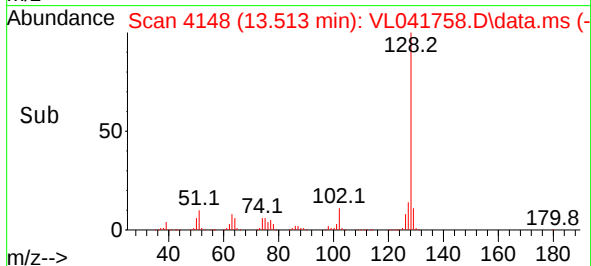
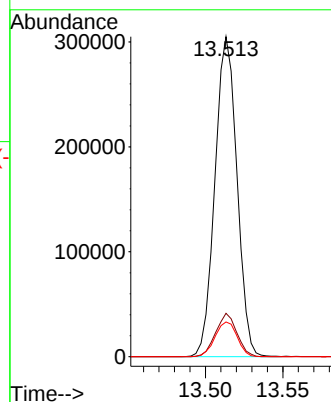
Tgt Ion:128 Resp: 301006

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 10.9 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 30.630 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

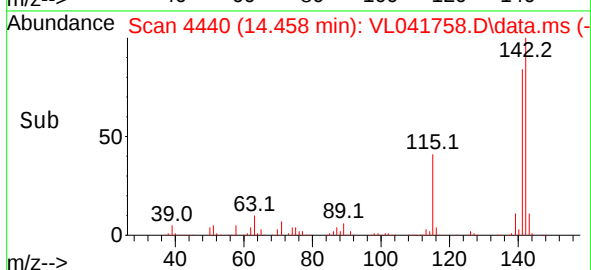
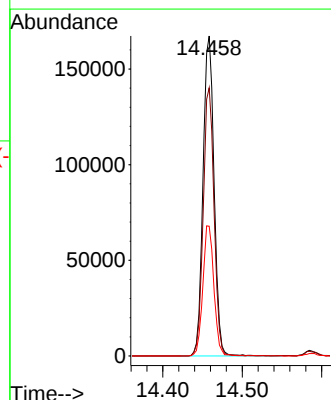
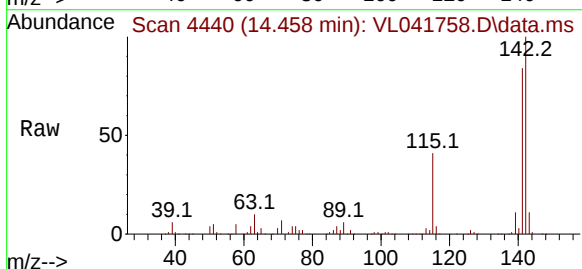
Tgt Ion:142 Resp: 161927

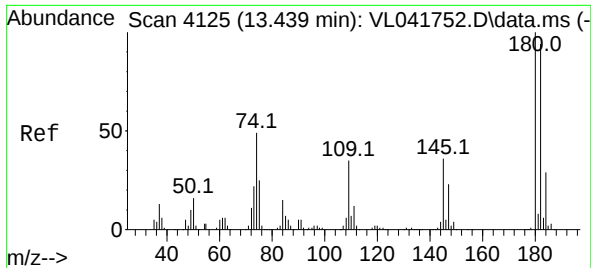
Ion Ratio Lower Upper

142 100

141 82.6 68.4 102.6

115 40.9 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 15.669 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

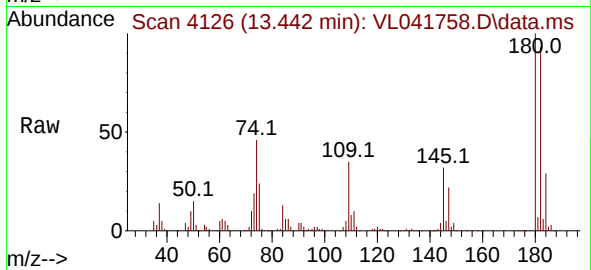
Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:180 Resp: 146340

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.6

184 30.0 23.8 35.8

