

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL020325\  
 Data File : VL041958.D  
 Acq On : 03 Feb 2025 10:48  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Feb 04 02:30:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jan 14 23:15:42 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.791 | 49   | 157470   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.962 | 114  | 429487   | 10.000 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 8.885 | 117  | 371333   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 10.381 | 95    | 289698   | 9.905    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.100% |

| Target Compounds              |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 218366 | 10.181 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.477 | 51  | 231387 | 10.298 | ppbv   | 99     |
| 4) Chloromethane              | 1.535 | 50  | 86482  | 10.721 | ppbv   | 97     |
| 5) Vinyl Chloride             | 1.580 | 62  | 83248  | 10.188 | ppbv   | 98     |
| 6) Bromomethane               | 1.667 | 94  | 38248  | 9.822  | ppbv   | 99     |
| 7) Chloroethane               | 1.706 | 64  | 34164  | 10.747 | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 186350 | 9.941  | ppbv   | 99     |
| 9) Propene                    | 1.483 | 41  | 95902  | 10.361 | ppbv   | 98     |
| 10) Heptane                   | 4.985 | 43  | 266975 | 10.790 | ppbv   | 97     |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 212261 | 9.513  | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 162930 | 9.317  | ppbv   | 99     |
| 13) Ethanol                   | 1.722 | 45  | 4416   | 6.513  | ppbv   | 99     |
| 14) Bromoethene               | 1.784 | 108 | 60620  | 9.468  | ppbv   | 100    |
| 15) Acetone                   | 1.836 | 43  | 176459 | 9.330  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 86792  | 10.224 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 206522 | 8.872  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 74437  | 9.444  | ppbv   | 93     |
| 19) Isopropyl Alcohol         | 1.888 | 45  | 101008 | 9.007  | ppbv   | 94     |
| 20) Methylene Chloride        | 2.062 | 84  | 62977  | 8.426  | ppbv   | 95     |
| 21) Allyl Chloride            | 2.098 | 41  | 126741 | 9.677  | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 86281  | 9.700  | ppbv   | 97     |
| 23) Vinyl Acetate             | 2.467 | 43  | 84390  | 9.001  | ppbv # | 98     |
| 24) 1,1-Dichloroethane        | 2.412 | 63  | 171515 | 9.969  | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.839 | 43  | 552271 | 10.829 | ppbv   | 100    |
| 26) Hexane                    | 2.829 | 57  | 216097 | 10.713 | ppbv   | 95     |
| 27) Carbon Disulfide          | 2.153 | 76  | 200432 | 10.041 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 149839 | 9.719  | ppbv   | 100    |
| 29) Chloroform                | 2.852 | 83  | 333879 | 10.471 | ppbv   | 100    |
| 30) Cyclohexane               | 3.862 | 84  | 183180 | 10.470 | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 2.723 | 61  | 208686 | 9.825  | ppbv   | 95     |
| 32) 1,1,1-Trichloroethane     | 3.370 | 97  | 318650 | 10.444 | ppbv   | 99     |
| 34) 2-Butanone                | 2.561 | 43  | 312946 | 11.458 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.765 | 117 | 320703 | 11.888 | ppbv   | 99     |
| 36) Benzene                   | 3.661 | 78  | 444350 | 11.280 | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 3.221 | 62  | 241263 | 10.905 | ppbv   | 99     |
| 38) Trichloroethene           | 4.551 | 130 | 175365 | 11.218 | ppbv   | 90     |
| 39) 1,2-Dichloropropane       | 4.322 | 63  | 155514 | 11.255 | ppbv   | 98     |
| 40) 1,4-Dioxane               | 4.590 | 88  | 74675  | 10.701 | ppbv # | 97     |
| 41) Tetrahydrofuran           | 3.059 | 42  | 174208 | 11.736 | ppbv   | 98     |
| 42) Bromodichloromethane      | 4.496 | 83  | 344670 | 11.620 | ppbv   | 96     |
| 43) Methyl Methacrylate       | 4.888 | 69  | 156216 | 10.675 | ppbv   | 95     |
| 44) 2,2,4-Trimethylpentane    | 4.645 | 57  | 751181 | 11.790 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.425 | 75  | 148089 | 10.811 | ppbv   | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL020325\  
 Data File : VL041958.D  
 Acq On : 03 Feb 2025 10:48  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

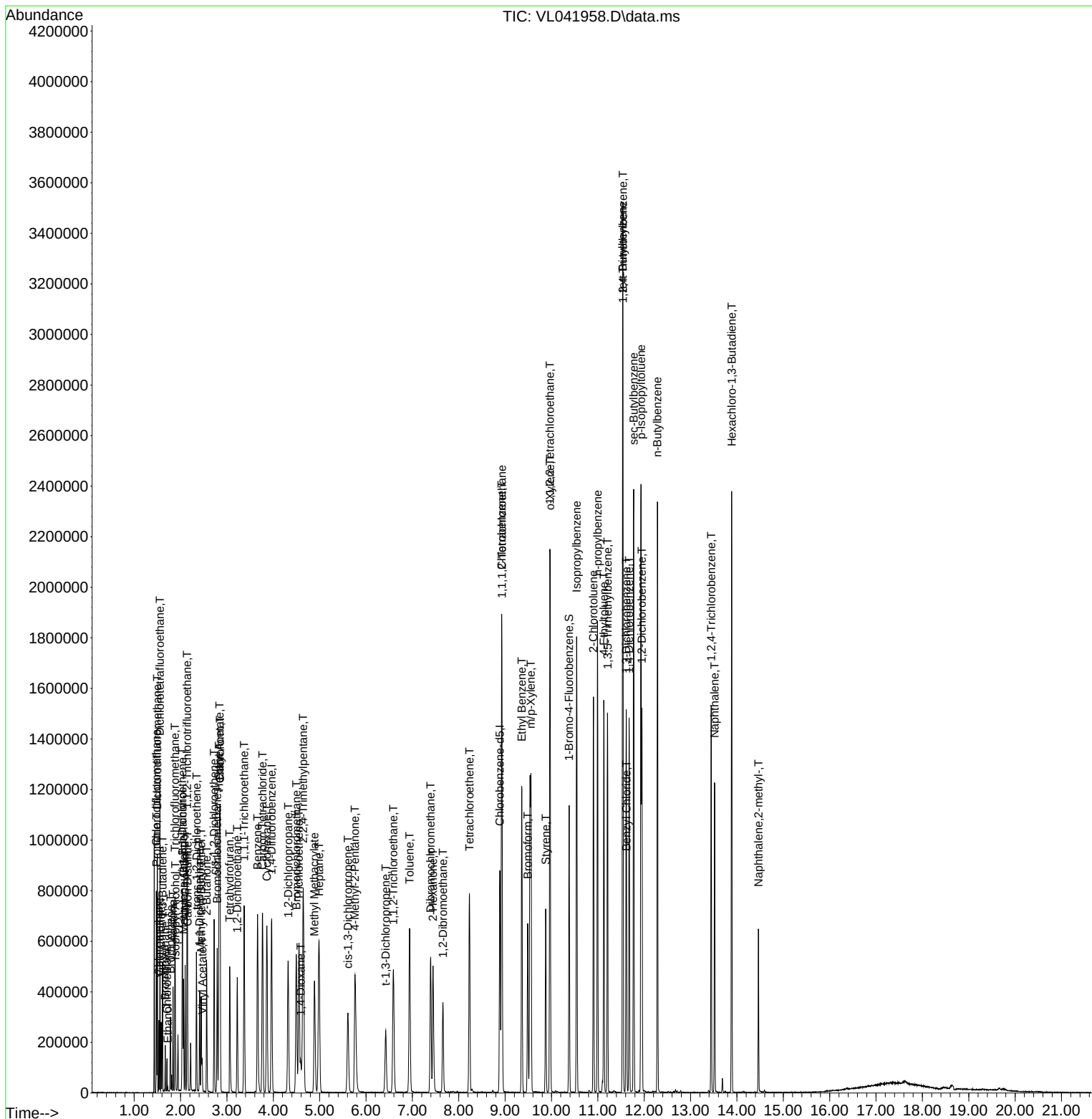
Instrument :  
 MSVOA\_L  
 ClientSampleId :

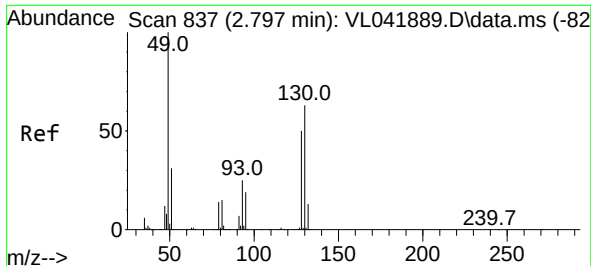
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jan 14 23:15:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.610  | 75   | 202762   | 11.274 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 6.590  | 97   | 167097   | 11.410 | ppbv   | 98       |
| 48) Dibromochloromethane      | 7.393  | 129  | 269437   | 11.924 | ppbv   | 99       |
| 49) Bromoform                 | 9.487  | 173  | 225054   | 12.125 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.762  | 43   | 428753   | 11.499 | ppbv   | 98       |
| 51) 2-Hexanone                | 7.445  | 43   | 336693   | 11.752 | ppbv # | 96       |
| 52) Tetrachloroethene         | 8.231  | 164  | 139466   | 10.211 | ppbv   | 95       |
| 53) Toluene                   | 6.940  | 91   | 483814   | 11.275 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.659  | 107  | 229203   | 11.384 | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 8.931  | 131  | 220185   | 11.885 | ppbv   | 99       |
| 57) Chlorobenzene             | 8.927  | 112  | 386374   | 11.280 | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.358  | 91   | 669174   | 11.531 | ppbv   | 97       |
| 59) m/p-Xylene                | 9.555  | 91   | 534248   | 11.485 | ppbv # | 31       |
| 60) o-Xylene                  | 9.969  | 91   | 555194   | 12.025 | ppbv   | 98       |
| 61) Styrene                   | 9.876  | 104  | 246355   | 11.895 | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.542 | 105  | 834260   | 11.677 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 362310   | 12.280 | ppbv   | 99       |
| 64) n-propylbenzene           | 10.992 | 120  | 215585   | 11.942 | ppbv   | 98       |
| 65) tert-Butylbenzene         | 11.536 | 119  | 746398   | 11.464 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.620 | 91   | 44973    | 11.160 | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.772 | 105  | 1044912  | 11.655 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 867909   | 11.756 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.284 | 91   | 848499   | 11.589 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.905 | 91   | 615388   | 11.644 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 658660   | 11.926 | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 566361   | 11.613 | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 616177   | 11.666 | ppbv   | 90       |
| 75) 1,3-Dichlorobenzene       | 11.614 | 146  | 357966   | 11.437 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 352145   | 11.500 | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 355386   | 11.457 | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 247691   | 9.729  | ppbv   | 99       |
| 79) Naphthalene               | 13.517 | 128  | 553420   | 10.407 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.465 | 142  | 173813   | 6.894  | ppbv   | 97       |
| 81) 1,2,4-Trichlorobenzene    | 13.446 | 180  | 251038   | 9.671  | ppbv   | 98       |

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

Quant Time: Feb 04 02:30:31 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Tue Jan 14 23:15:42 2025  
Response via : Initial Calibration

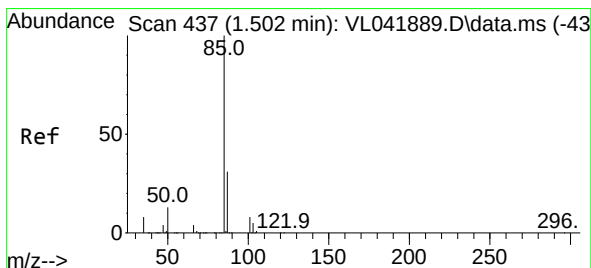
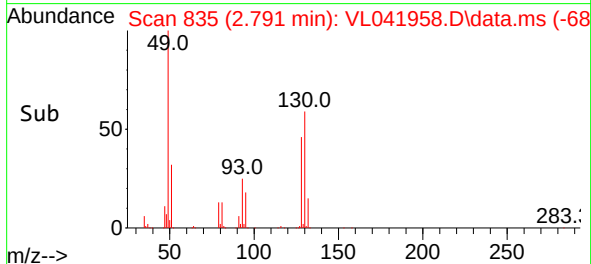
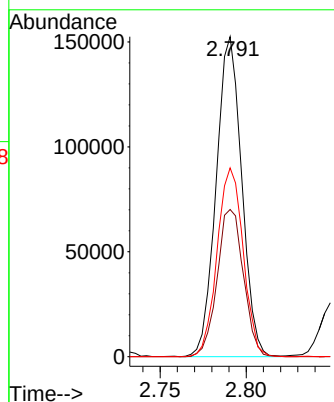
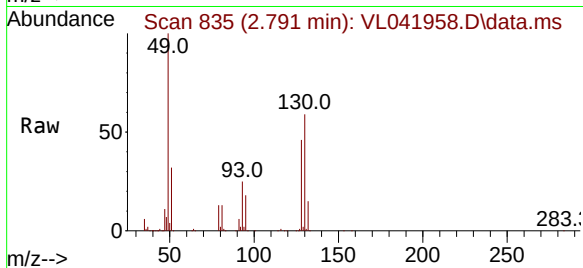




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 2.791 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

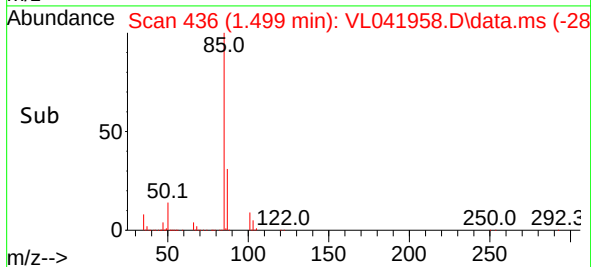
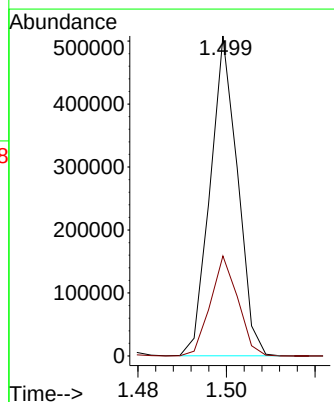
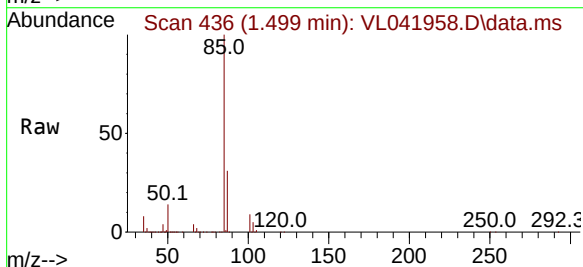
Instrument :  
 MSVOA\_L  
 ClientSampleId :

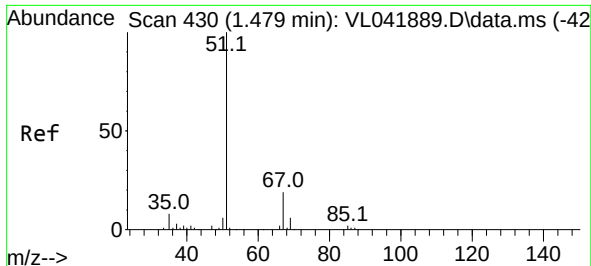
Tgt Ion: 49 Resp: 157470  
 Ion Ratio Lower Upper  
 49 100  
 128 47.3 24.3 73.0  
 130 60.1 31.1 93.2



#2  
 Dichlorodifluoromethane  
 Concen: 10.181 ppbv  
 RT: 1.499 min Scan# 436  
 Delta R.T. -0.003 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

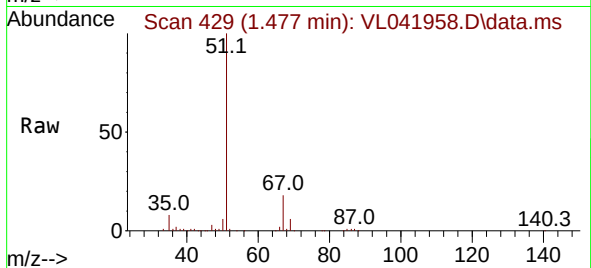
Tgt Ion: 85 Resp: 218366  
 Ion Ratio Lower Upper  
 85 100  
 87 31.3 24.9 37.3



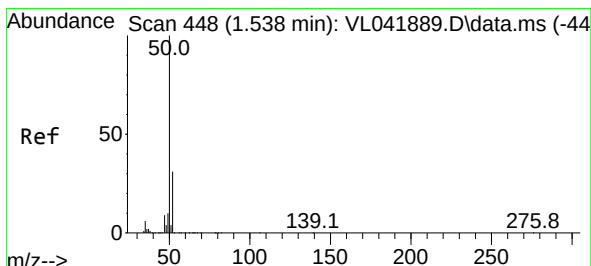
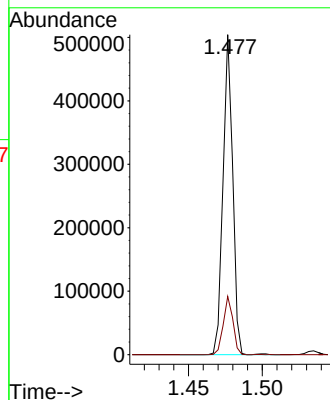
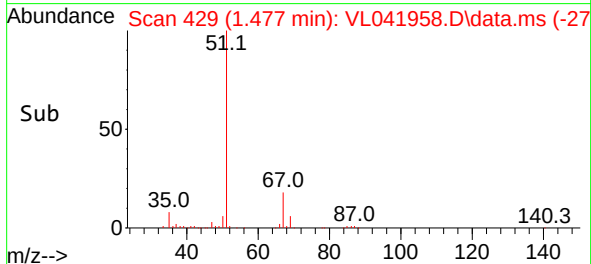


#3  
Chlorodifluoromethane  
Concen: 10.298 ppbv  
RT: 1.477 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Instrument :  
MSVOA\_L  
ClientSampleId :

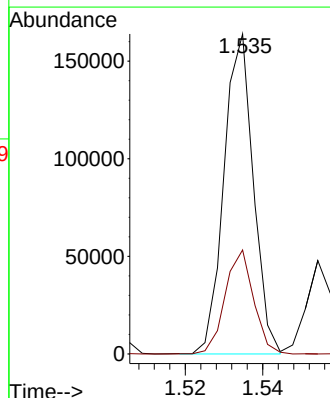
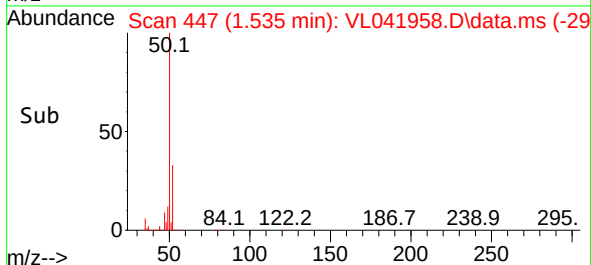
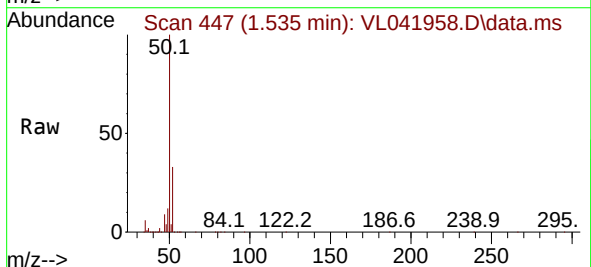


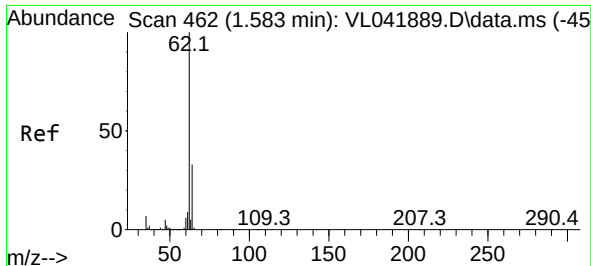
Tgt Ion: 51 Resp: 231387  
Ion Ratio Lower Upper  
51 100  
67 18.2 15.0 22.4



#4  
Chloromethane  
Concen: 10.721 ppbv  
RT: 1.535 min Scan# 447  
Delta R.T. -0.003 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 50 Resp: 86482  
Ion Ratio Lower Upper  
50 100  
52 32.5 24.6 36.8

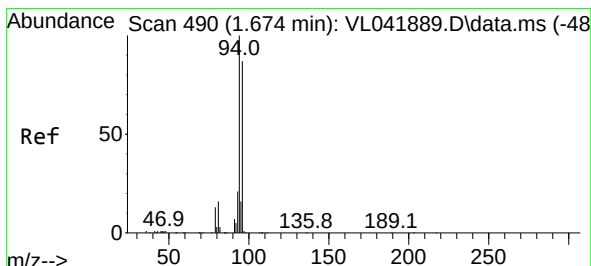
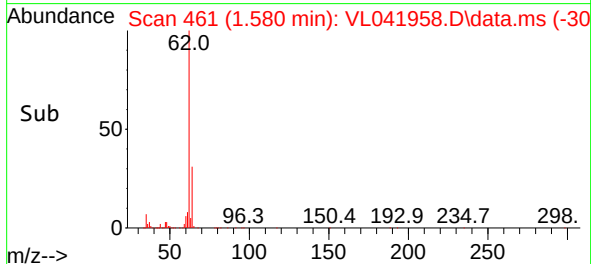
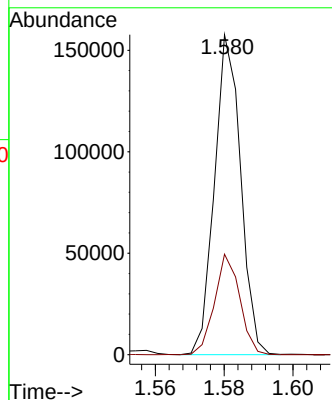
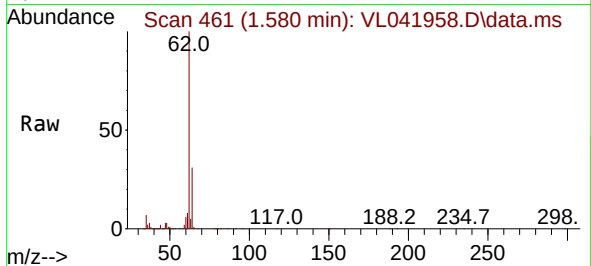




#5  
Vinyl Chloride  
Concen: 10.188 ppbv  
RT: 1.580 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

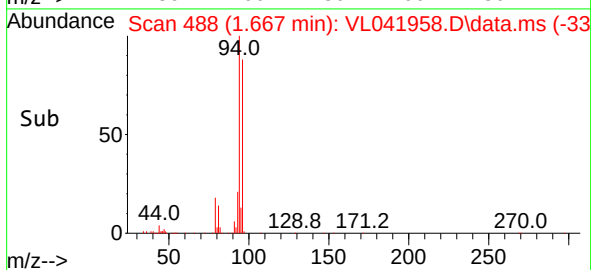
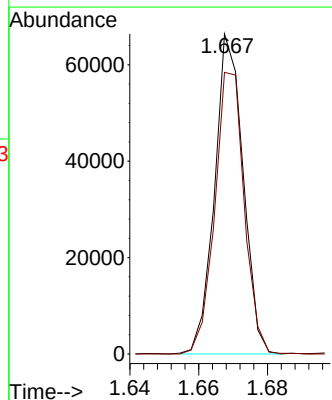
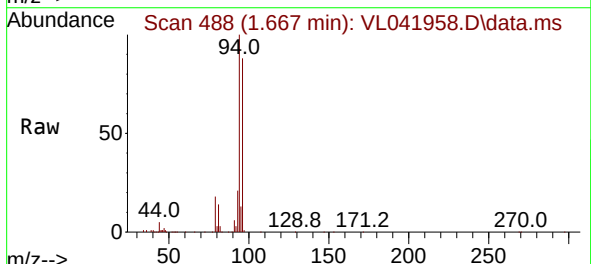
Instrument :  
MSVOA\_L  
ClientSampleId :

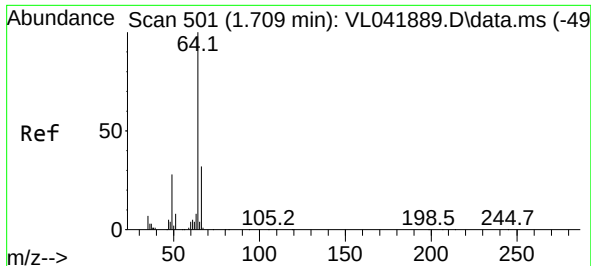
Tgt Ion: 62 Resp: 83248  
Ion Ratio Lower Upper  
62 100  
64 31.4 26.1 39.1



#6  
Bromomethane  
Concen: 9.822 ppbv  
RT: 1.667 min Scan# 488  
Delta R.T. -0.006 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 94 Resp: 38248  
Ion Ratio Lower Upper  
94 100  
96 88.0 69.5 104.3

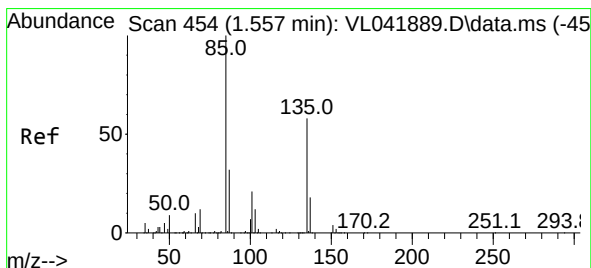
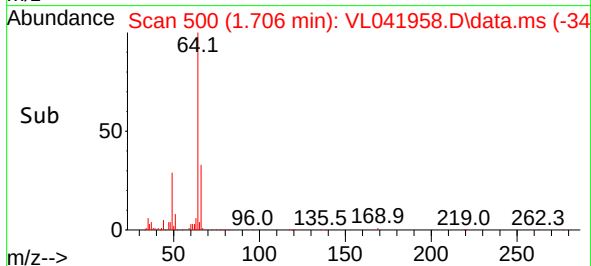
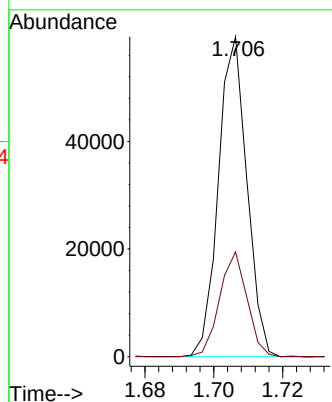
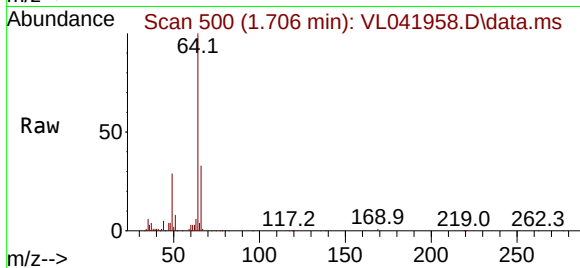




#7  
Chloroethane  
Concen: 10.747 ppbv  
RT: 1.706 min Scan# 501  
Delta R.T. -0.003 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

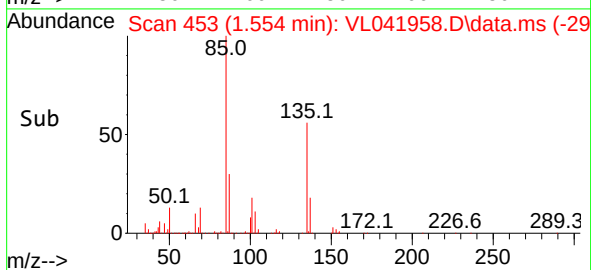
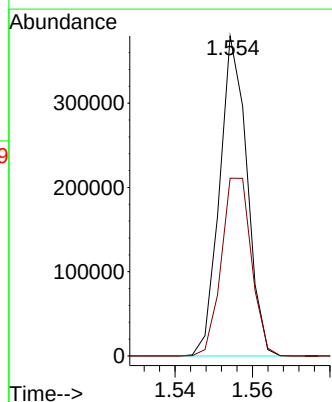
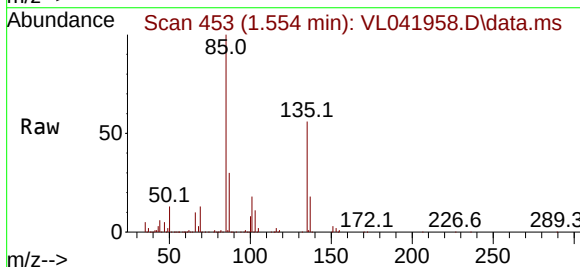
Instrument :  
MSVOA\_L  
ClientSampleId :

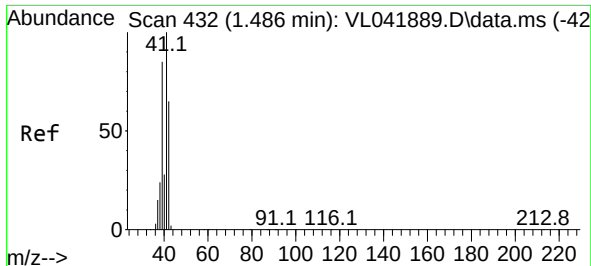
Tgt Ion: 64 Resp: 34164  
Ion Ratio Lower Upper  
64 100  
66 32.7 25.7 38.5



#8  
Dichlorotetrafluoroethane  
Concen: 9.941 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.003 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 85 Resp: 186350  
Ion Ratio Lower Upper  
85 100  
135 61.4 50.0 75.0





#9

Propene

Concen: 10.361 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

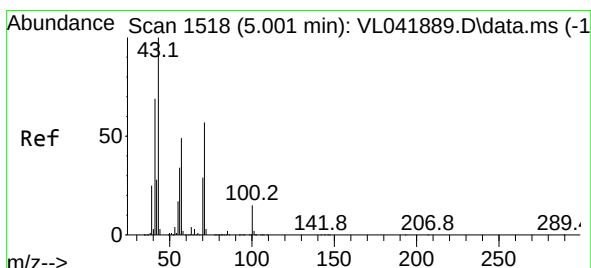
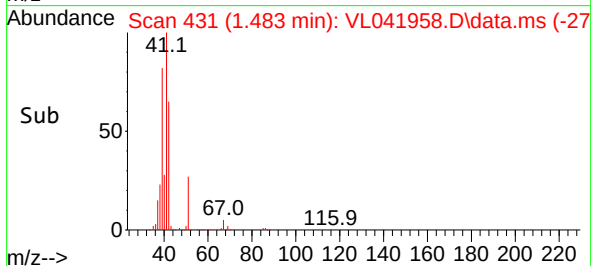
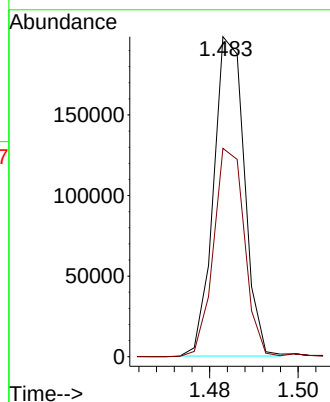
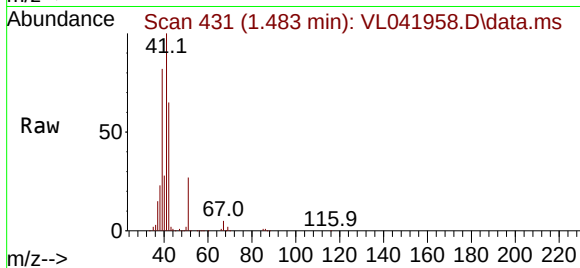
ClientSampleId :

Tgt Ion: 41 Resp: 95902

Ion Ratio Lower Upper

41 100

42 66.7 52.0 78.0



#10

Heptane

Concen: 10.790 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.016 min

Lab File: VL041958.D

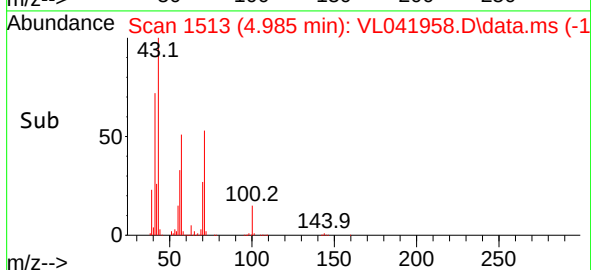
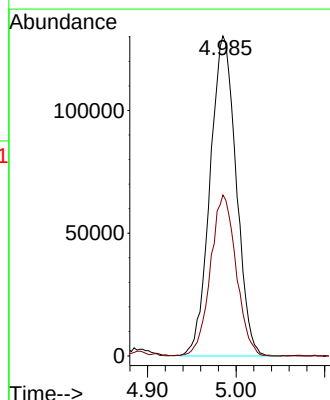
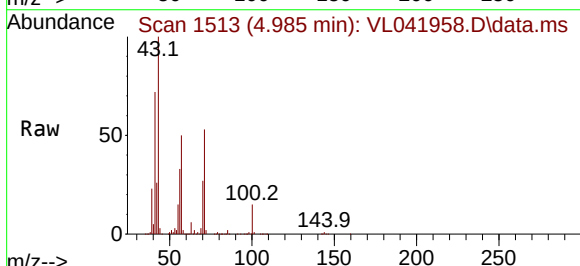
Acq: 03 Feb 2025 10:48

Tgt Ion: 43 Resp: 266975

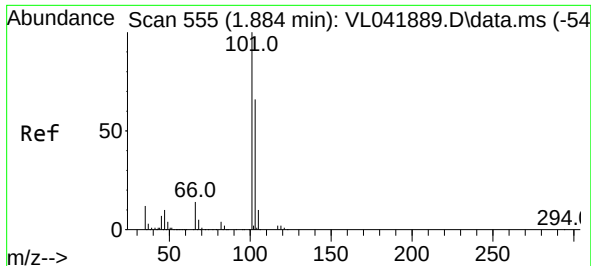
Ion Ratio Lower Upper

43 100

57 49.2 41.0 61.4

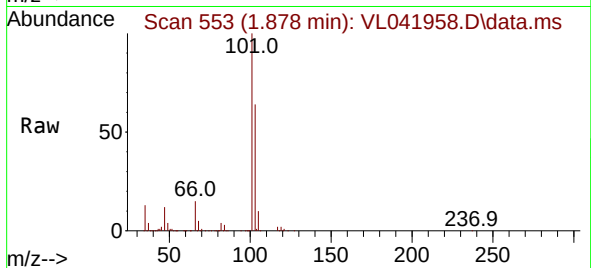




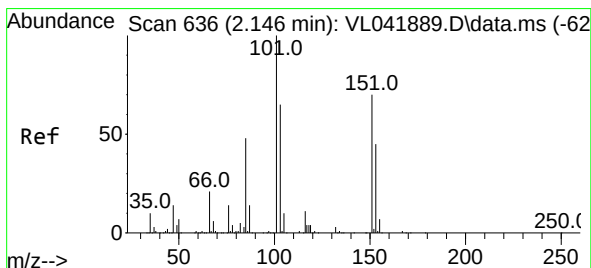
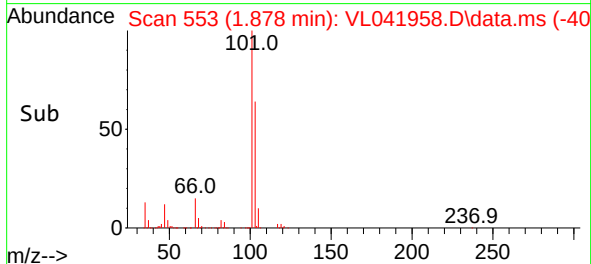
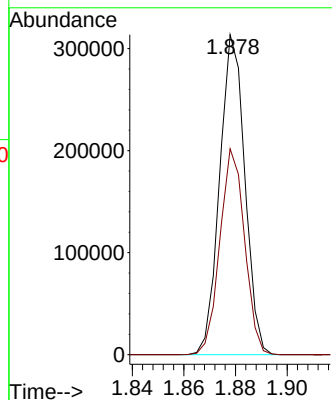


#11  
 Trichlorofluoromethane  
 Concen: 9.513 ppbv  
 RT: 1.878 min Scan# 511  
 Delta R.T. -0.006 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

Instrument :  
 MSVOA\_L  
 ClientSampleId :

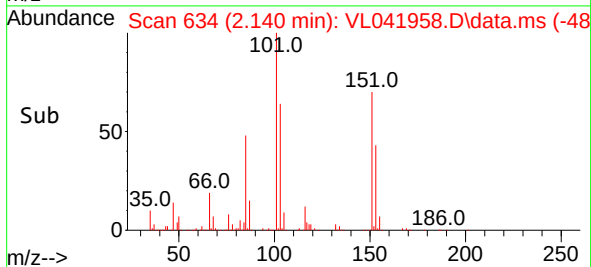
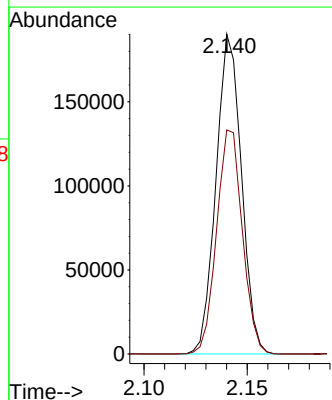
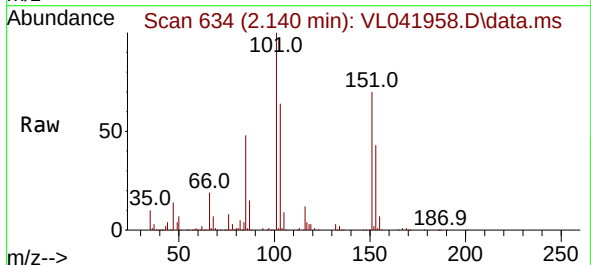


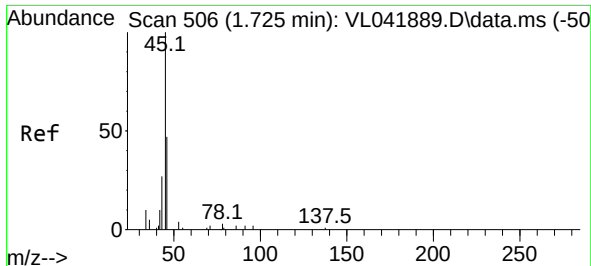
Tgt Ion:101 Resp: 212261  
 Ion Ratio Lower Upper  
 101 100  
 103 64.4 53.1 79.7



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.317 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. -0.006 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

Tgt Ion:101 Resp: 162930  
 Ion Ratio Lower Upper  
 101 100  
 151 71.0 56.1 84.1





#13

Ethanol

Concen: 6.513 ppbv

RT: 1.722 min Scan# 506

Delta R.T. -0.003 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

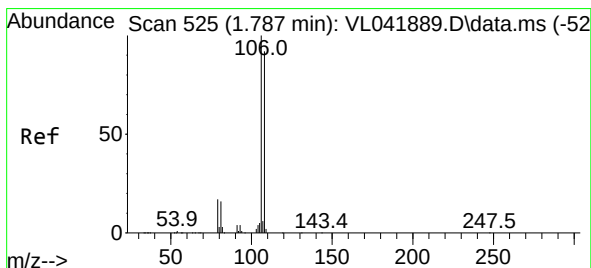
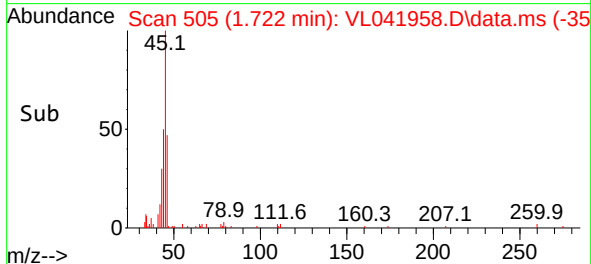
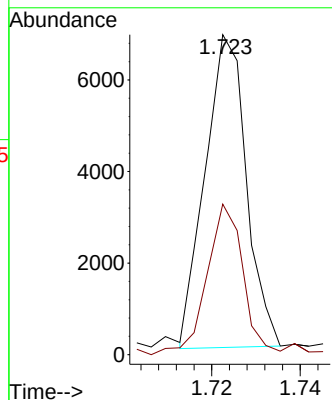
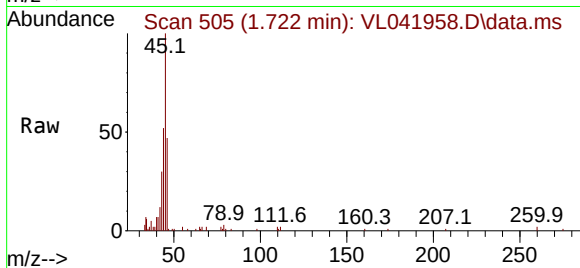
ClientSampleId :

Tgt Ion: 45 Resp: 4416

Ion Ratio Lower Upper

45 100

46 44.6 18.1 72.5



#14

Bromoethene

Concen: 9.468 ppbv

RT: 1.784 min Scan# 524

Delta R.T. -0.003 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

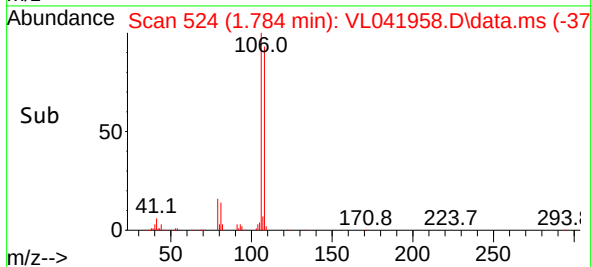
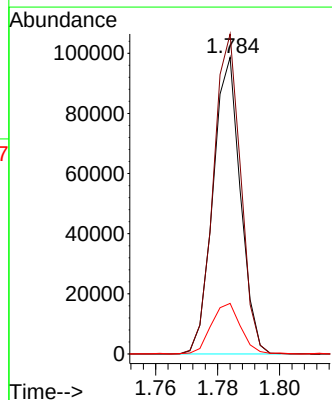
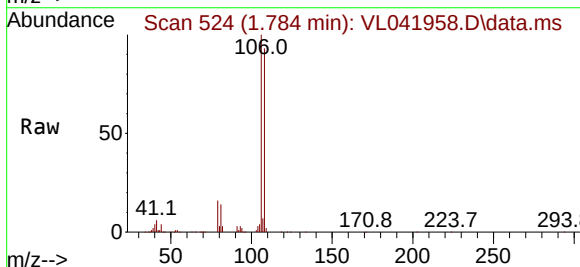
Tgt Ion: 108 Resp: 60620

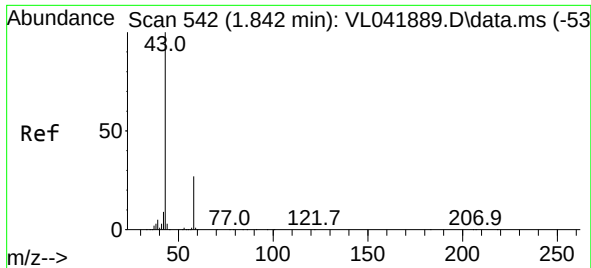
Ion Ratio Lower Upper

108 100

106 107.0 85.5 128.3

79 18.6 15.3 22.9





#15

Acetone

Concen: 9.330 ppbv

RT: 1.836 min Scan# 54

Delta R.T. -0.006 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

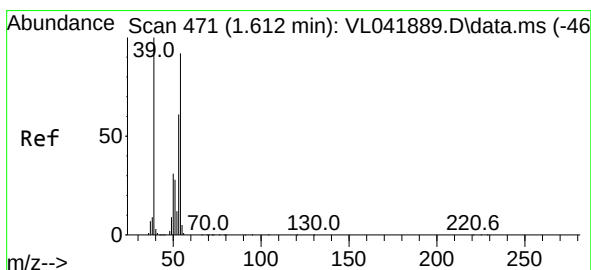
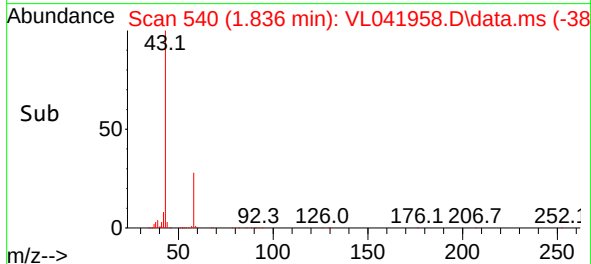
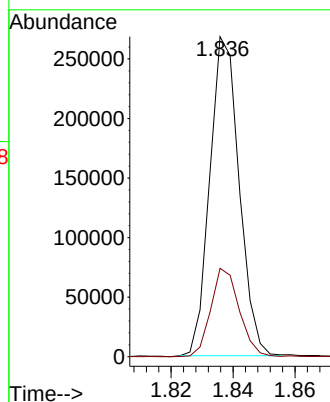
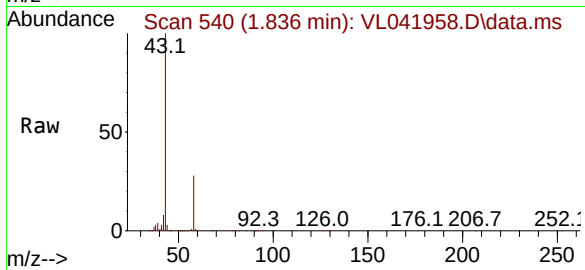
ClientSampleId :

Tgt Ion: 43 Resp: 176459

Ion Ratio Lower Upper

43 100

58 27.1 21.9 32.9



#16

1,3-Butadiene

Concen: 10.224 ppbv

RT: 1.609 min Scan# 470

Delta R.T. -0.003 min

Lab File: VL041958.D

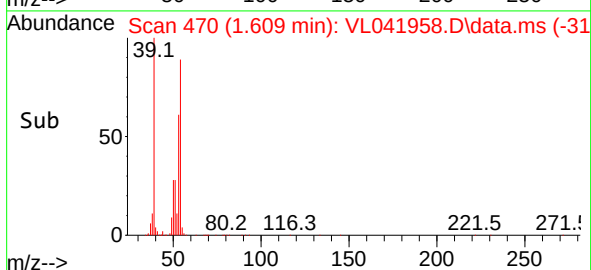
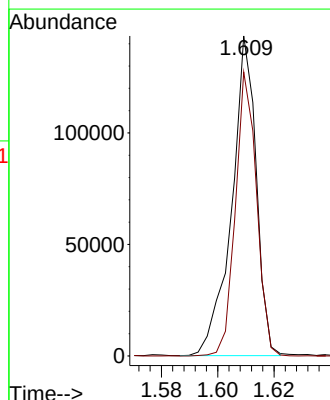
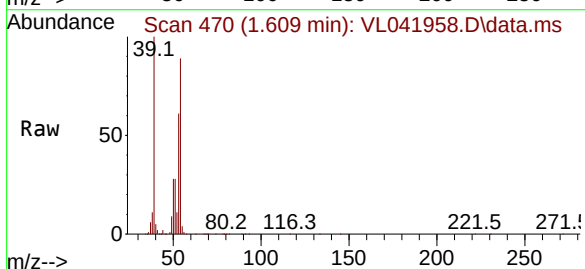
Acq: 03 Feb 2025 10:48

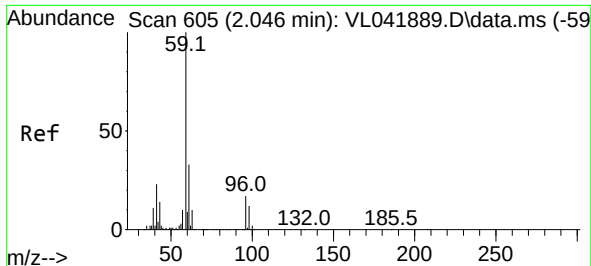
Tgt Ion: 39 Resp: 86792

Ion Ratio Lower Upper

39 100

54 76.3 61.6 92.4





#17

tert-Butyl alcohol

Concen: 8.872 ppbv

RT: 2.043 min Scan# 605

Delta R.T. -0.003 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

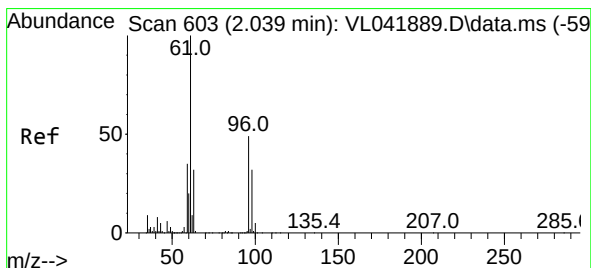
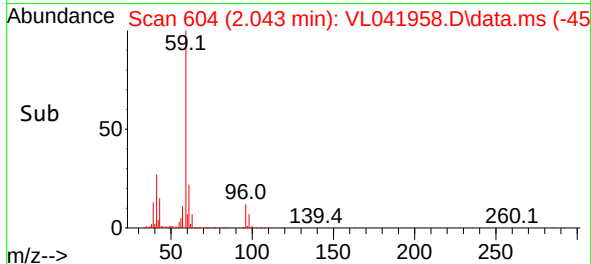
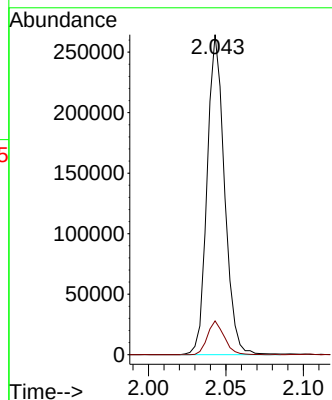
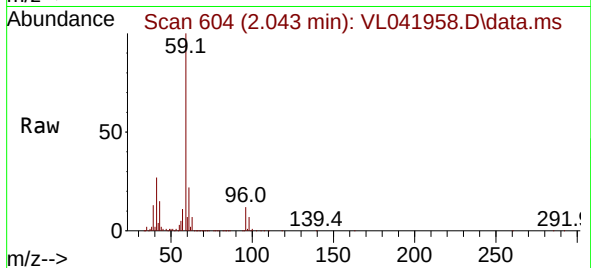
ClientSampleId :

Tgt Ion: 59 Resp: 206522

Ion Ratio Lower Upper

59 100

57 10.1 7.8 11.8



#18

1,1-Dichloroethene

Concen: 9.444 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.003 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

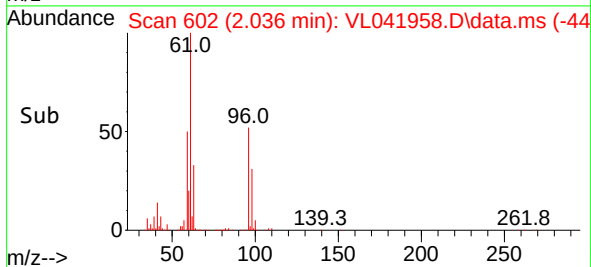
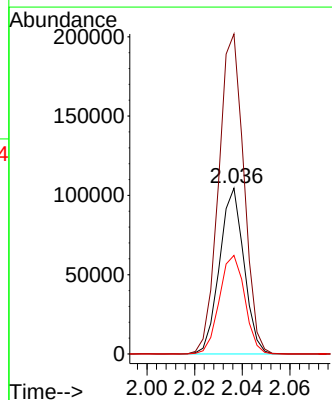
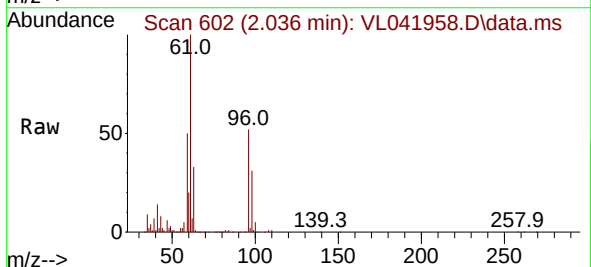
Tgt Ion: 96 Resp: 74437

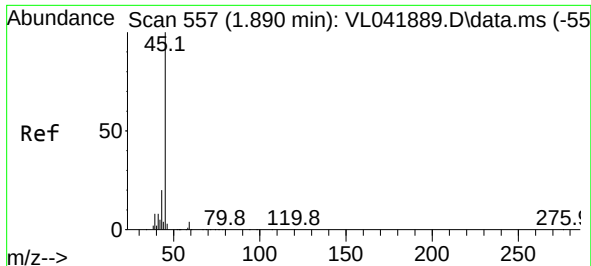
Ion Ratio Lower Upper

96 100

61 193.1 163.1 244.7

98 59.5 52.7 79.1

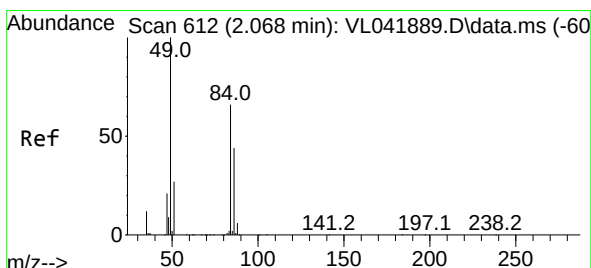
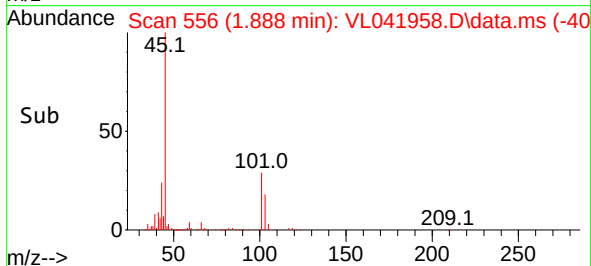
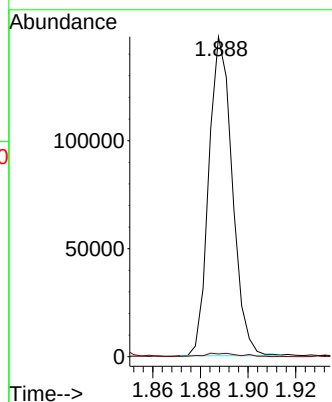
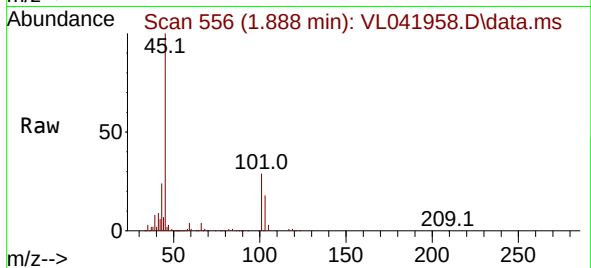




#19  
Isopropyl Alcohol  
Concen: 9.007 ppbv  
RT: 1.888 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

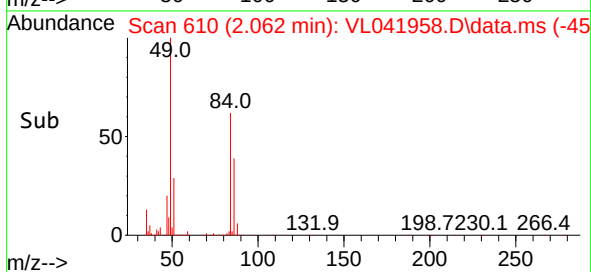
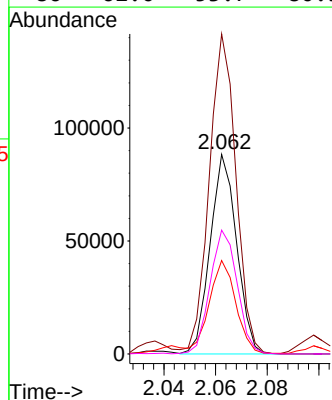
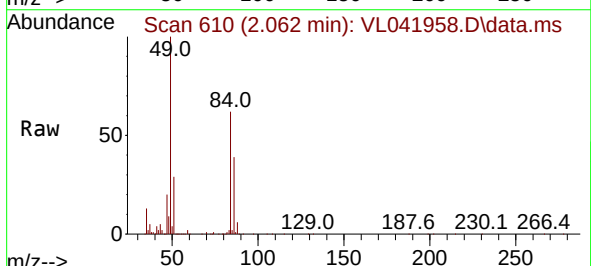
Instrument :  
MSVOA\_L  
ClientSampleId :

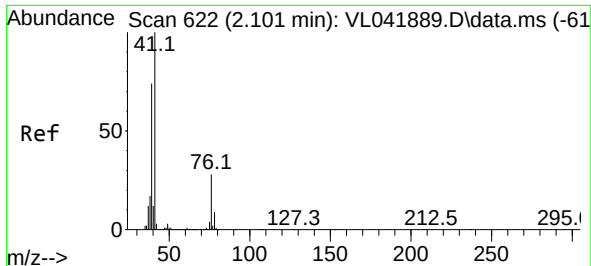
Tgt Ion: 45 Resp: 101008  
Ion Ratio Lower Upper  
45 100  
58 47.4 35.0 52.6



#20  
Methylene Chloride  
Concen: 8.426 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. -0.006 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 84 Resp: 62977  
Ion Ratio Lower Upper  
84 100  
49 159.9 123.1 184.7  
51 46.6 35.8 53.8  
86 62.0 53.7 80.5

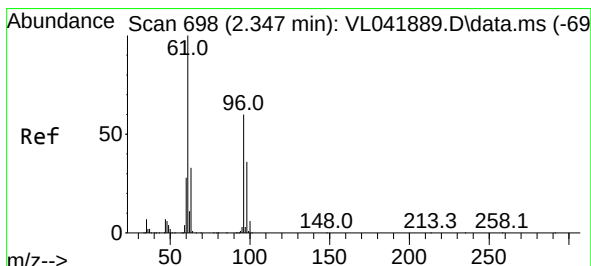
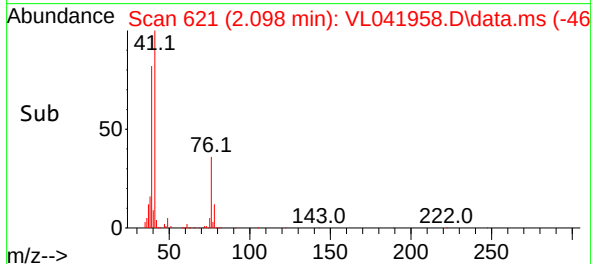
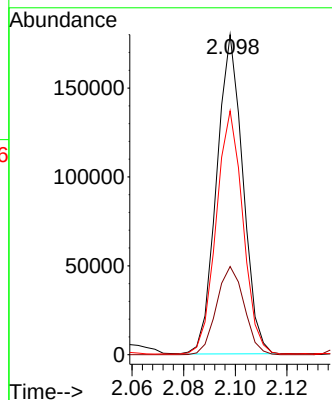
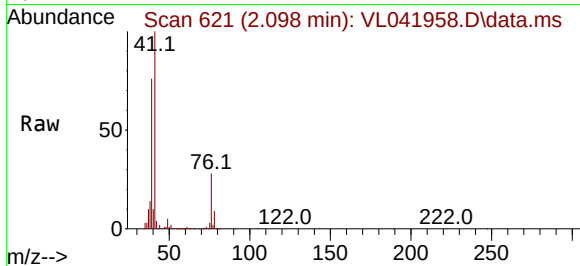




#21  
 Allyl Chloride  
 Concen: 9.677 ppbv  
 RT: 2.098 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

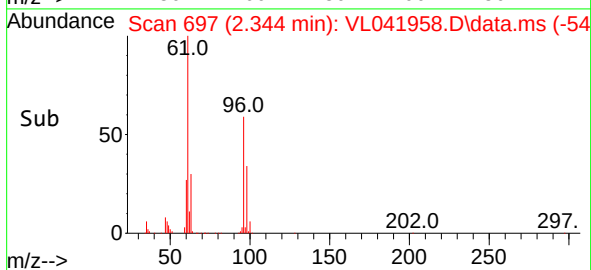
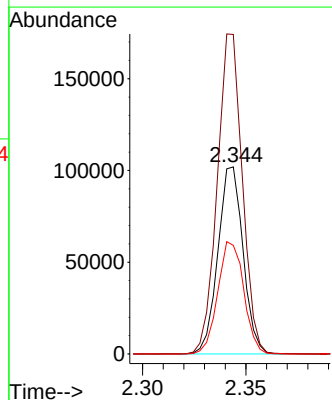
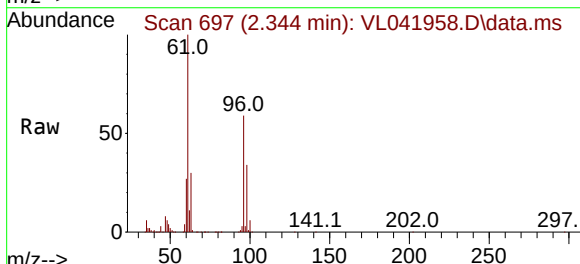
Instrument :  
 MSVOA\_L  
 ClientSampleId :

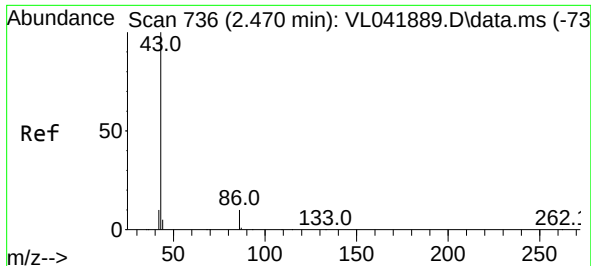
Tgt Ion: 41 Resp: 126741  
 Ion Ratio Lower Upper  
 41 100  
 76 29.1 24.2 36.4  
 39 77.8 60.6 91.0



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.700 ppbv  
 RT: 2.344 min Scan# 697  
 Delta R.T. -0.003 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

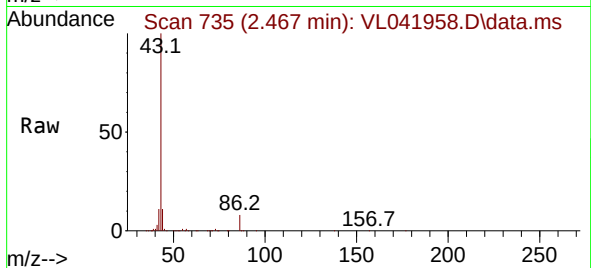
Tgt Ion: 96 Resp: 86281  
 Ion Ratio Lower Upper  
 96 100  
 61 170.9 134.5 201.7  
 98 58.1 48.9 73.3



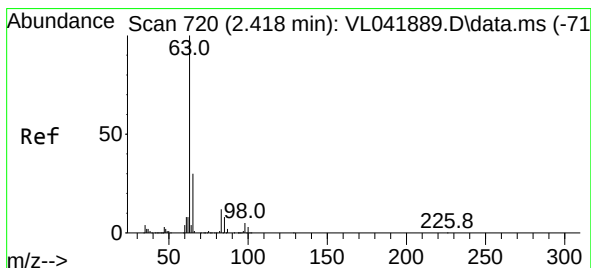
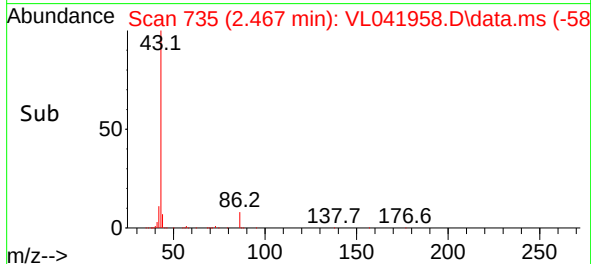
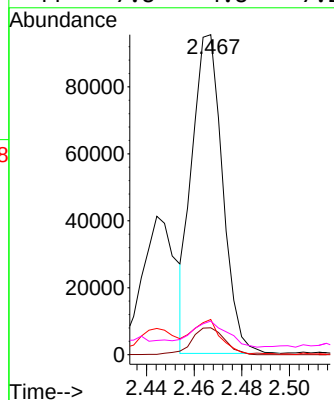


#23  
 Vinyl Acetate  
 Concen: 9.001 ppbv  
 RT: 2.467 min Scan# 718  
 Delta R.T. -0.003 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

Instrument :  
 MSVOA\_L  
 ClientSampleId :

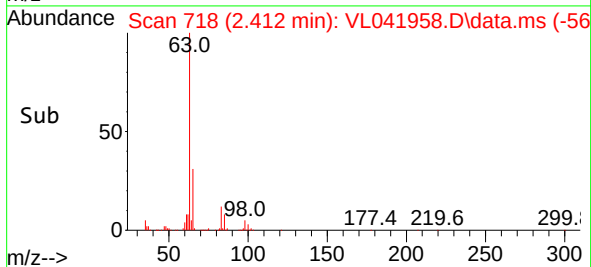
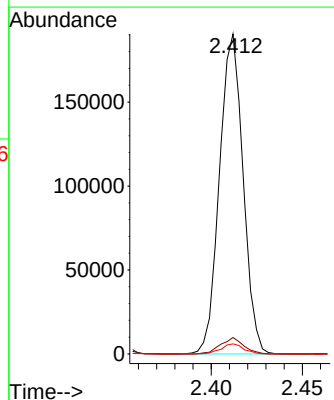
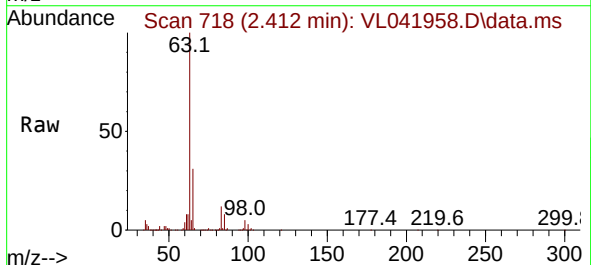


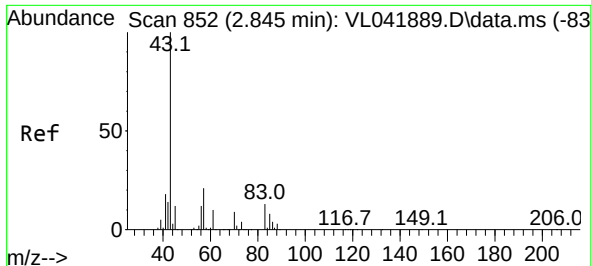
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 84390 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 8.5      | 6.2 9.4     |
| 42 10.4     | 8.5 12.7    |
| 44 7.8      | 4.8 7.2#    |



#24  
 1,1-Dichloroethane  
 Concen: 9.969 ppbv  
 RT: 2.412 min Scan# 718  
 Delta R.T. -0.006 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

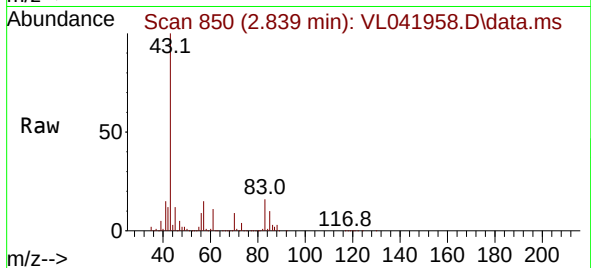
|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 171515 |
| Ion Ratio   | Lower Upper  |
| 63 100      |              |
| 98 5.2      | 2.6 7.8      |
| 100 3.1     | 1.4 4.2      |





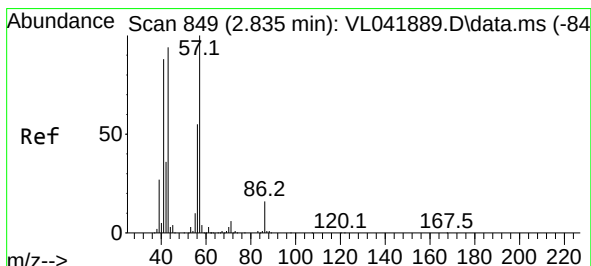
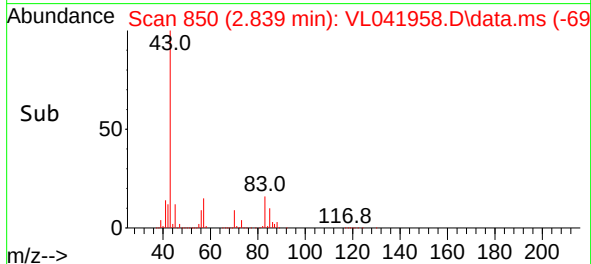
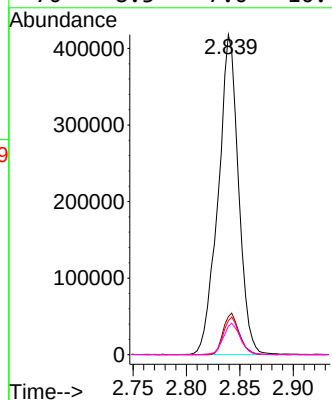
#25  
Ethyl Acetate  
Concen: 10.829 ppbv  
RT: 2.839 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 43 Resp: 552271

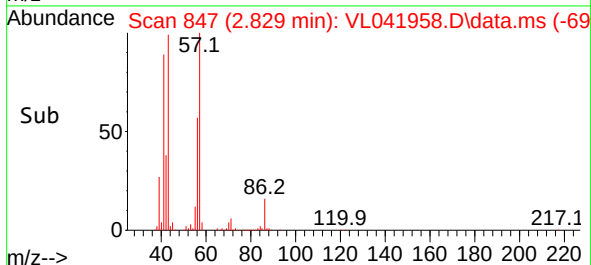
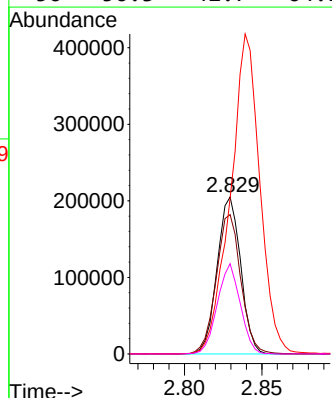
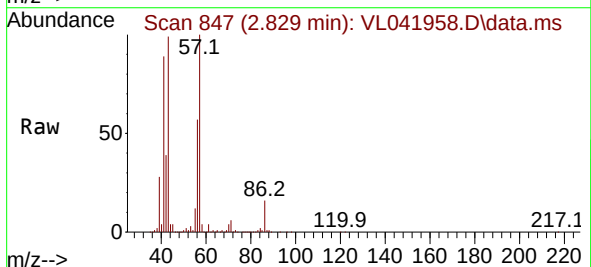
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.3  | 8.2   | 12.2  |
| 61  | 9.3   | 7.4   | 11.0  |
| 70  | 8.3   | 7.0   | 10.4  |



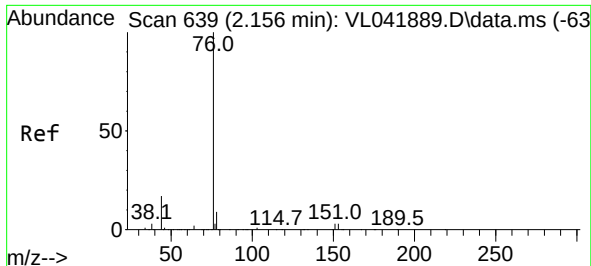
#26  
Hexane  
Concen: 10.713 ppbv  
RT: 2.829 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 57 Resp: 216097

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 93.5  | 73.8  | 110.8 |
| 43  | 257.6 | 197.3 | 295.9 |
| 56  | 56.3  | 42.7  | 64.1  |



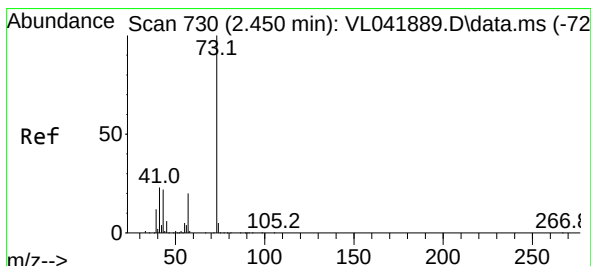
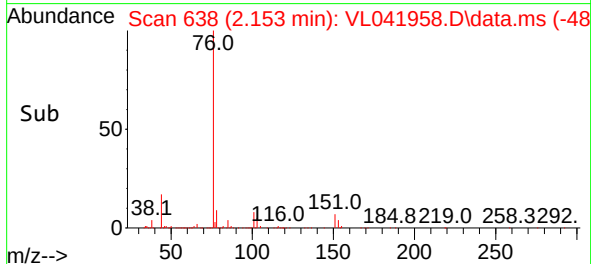
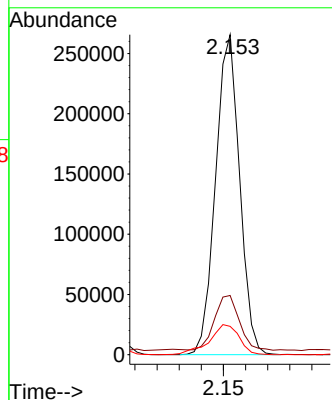
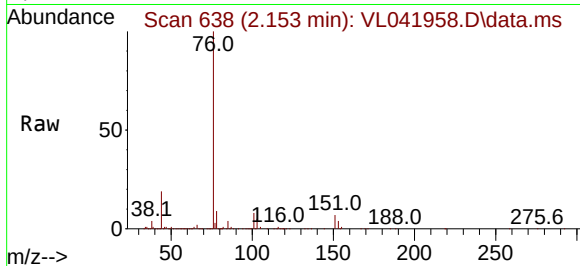




#27  
Carbon Disulfide  
Concen: 10.041 ppbv  
RT: 2.153 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

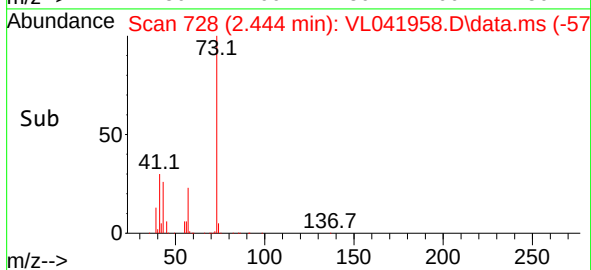
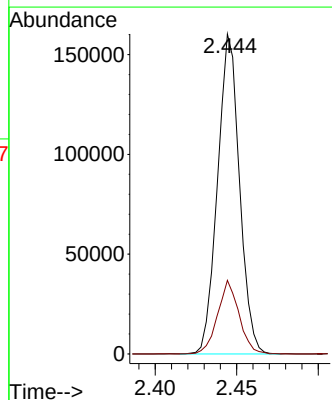
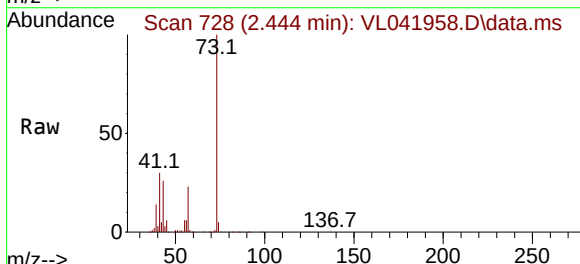
Instrument :  
MSVOA\_L  
ClientSampleId :

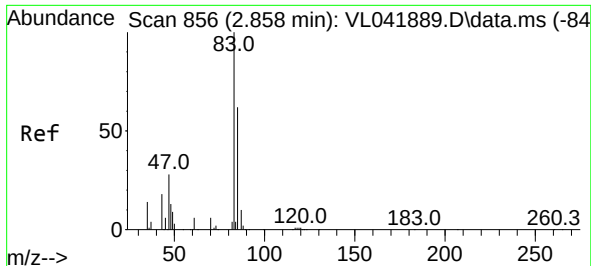
Tgt Ion: 76 Resp: 200432  
Ion Ratio Lower Upper  
76 100  
44 18.6 15.4 23.0  
78 11.7 9.3 13.9



#28  
Methyl tert-Butyl Ether  
Concen: 9.719 ppbv  
RT: 2.444 min Scan# 728  
Delta R.T. -0.006 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 73 Resp: 149839  
Ion Ratio Lower Upper  
73 100  
57 22.7 18.1 27.1





#29

Chloroform

Concen: 10.471 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

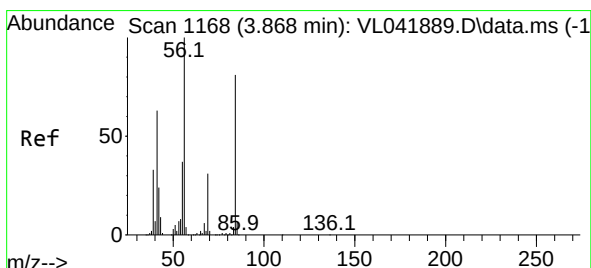
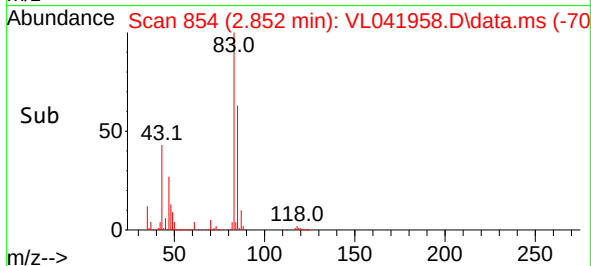
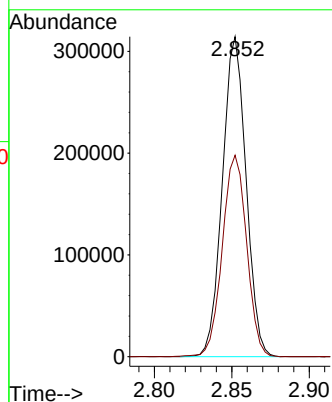
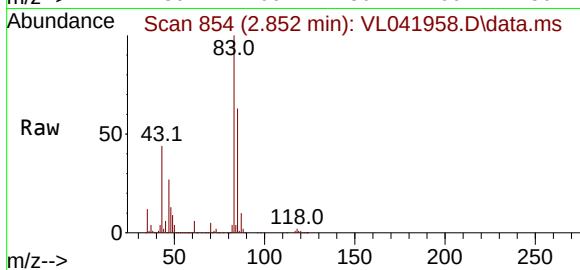
ClientSampleId :

Tgt Ion: 83 Resp: 333879

Ion Ratio Lower Upper

83 100

85 63.0 50.1 75.1



#30

Cyclohexane

Concen: 10.470 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. -0.006 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

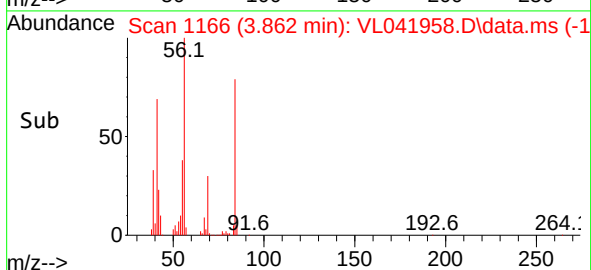
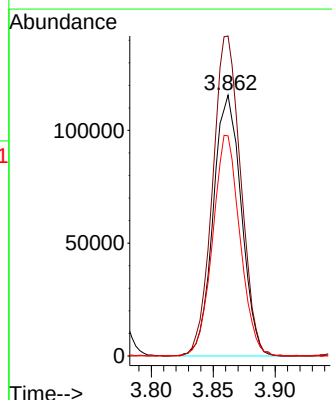
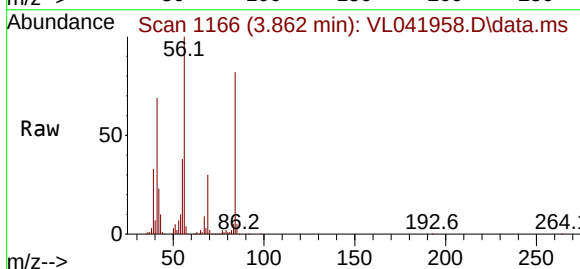
Tgt Ion: 84 Resp: 183180

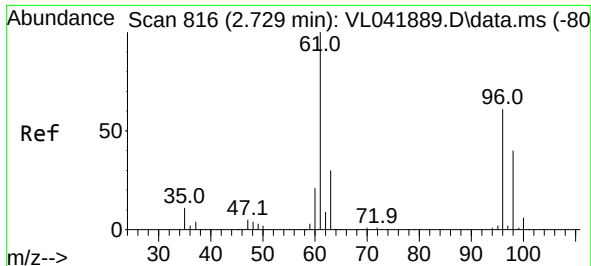
Ion Ratio Lower Upper

84 100

56 122.7 99.3 148.9

41 82.4 64.3 96.5

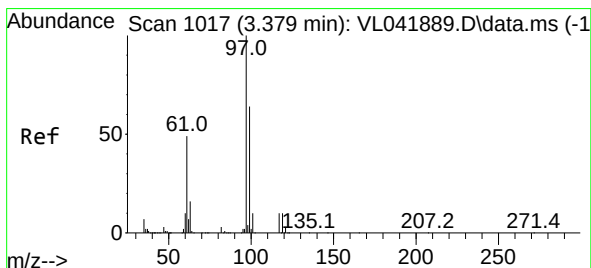
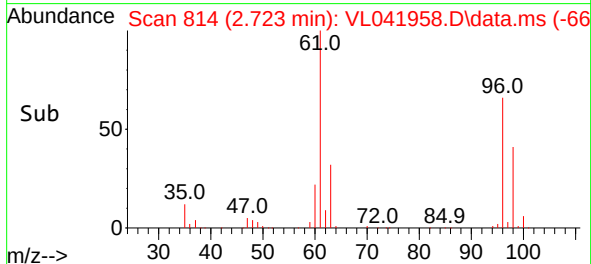
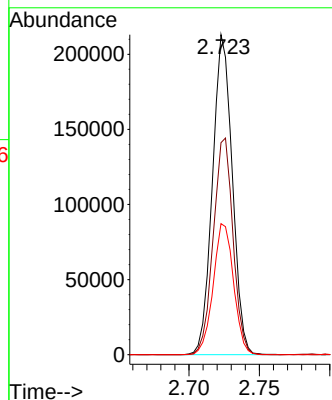
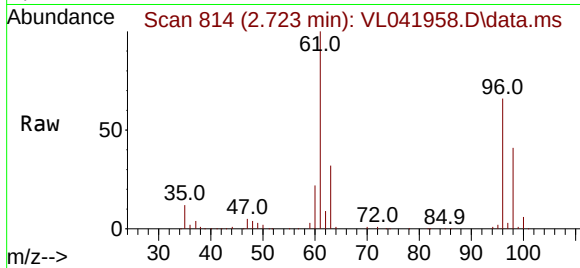




#31  
 cis-1,2-Dichloroethene  
 Concen: 9.825 ppbv  
 RT: 2.723 min Scan# 816  
 Delta R.T. -0.006 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

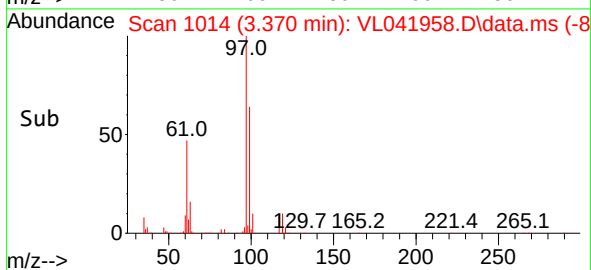
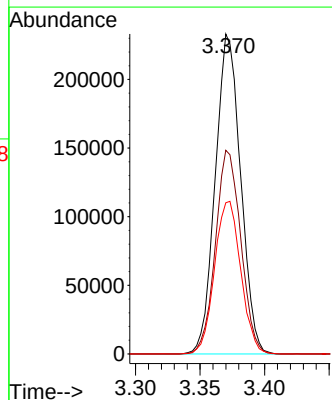
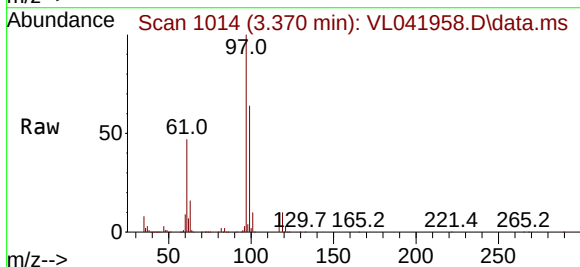
Instrument :  
 MSVOA\_L  
 ClientSampleId :

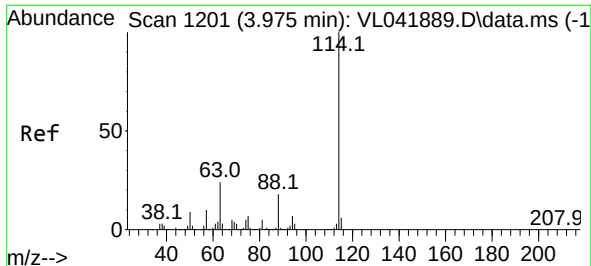
Tgt Ion: 61 Resp: 208686  
 Ion Ratio Lower Upper  
 61 100  
 96 66.2 48.7 73.1  
 98 40.9 31.6 47.4



#32  
 1,1,1-Trichloroethane  
 Concen: 10.444 ppbv  
 RT: 3.370 min Scan# 1014  
 Delta R.T. -0.009 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

Tgt Ion: 97 Resp: 318650  
 Ion Ratio Lower Upper  
 97 100  
 99 63.6 51.1 76.7  
 61 49.3 39.0 58.6

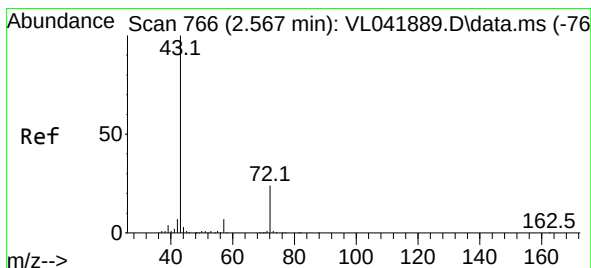
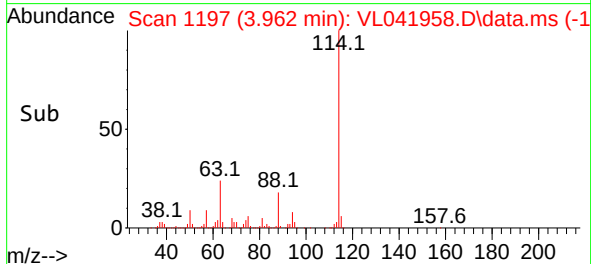
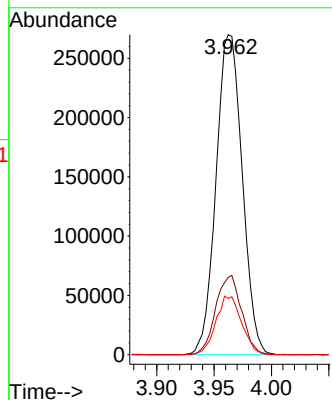
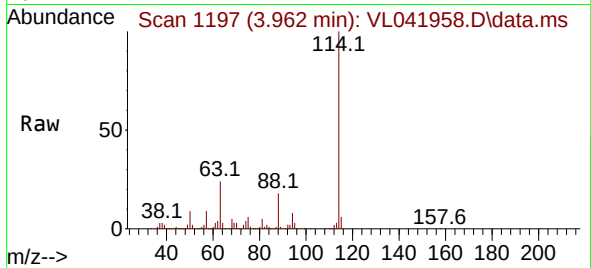




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 3.962 min Scan# 1197  
 Delta R.T. -0.013 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

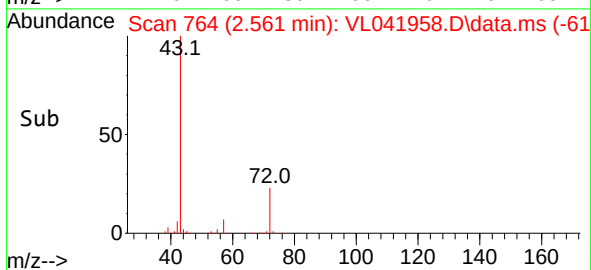
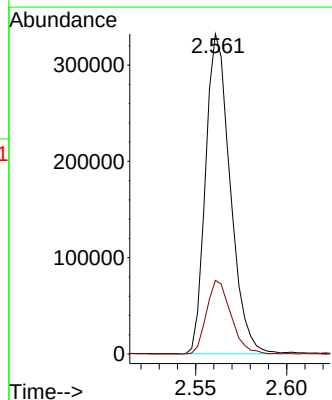
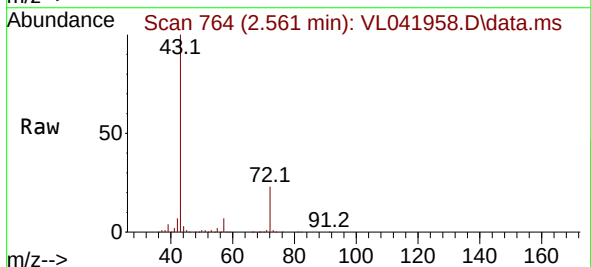
Instrument :  
 MSVOA\_L  
 ClientSampleId :

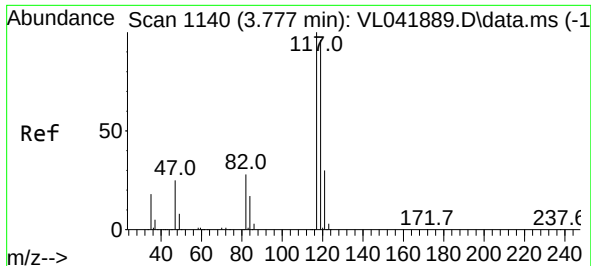
Tgt Ion:114 Resp: 429487  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 19.8 29.6  
 88 17.9 14.4 21.6



#34  
 2-Butanone  
 Concen: 11.458 ppbv  
 RT: 2.561 min Scan# 764  
 Delta R.T. -0.006 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

Tgt Ion: 43 Resp: 312946  
 Ion Ratio Lower Upper  
 43 100  
 72 22.9 18.6 28.0

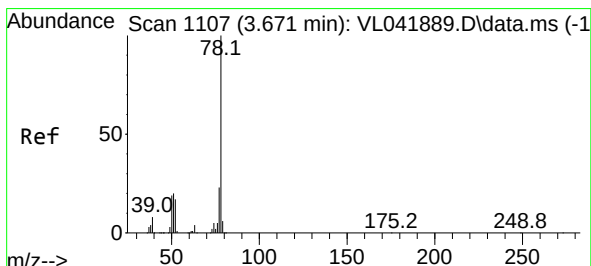
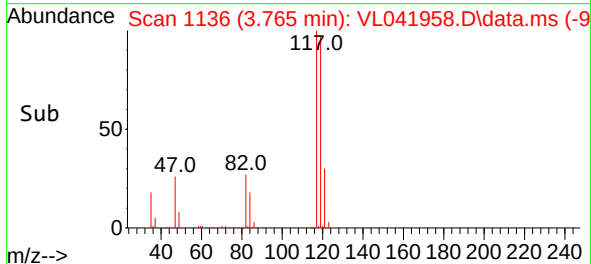
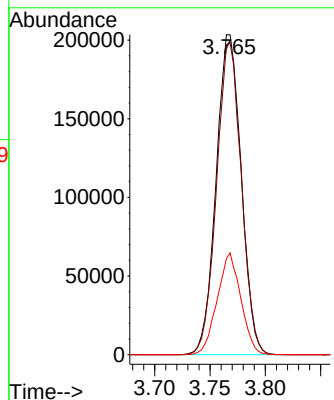
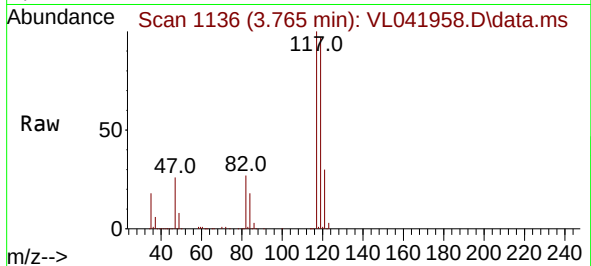




#35  
Carbon Tetrachloride  
Concen: 11.888 ppbv  
RT: 3.765 min Scan# 1136  
Delta R.T. -0.013 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

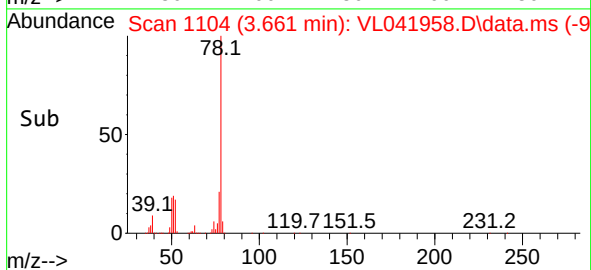
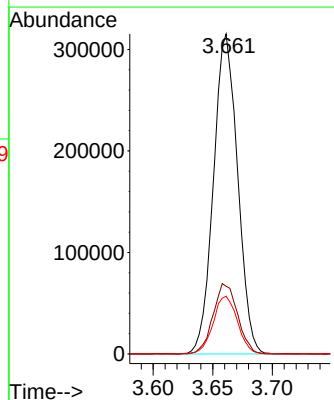
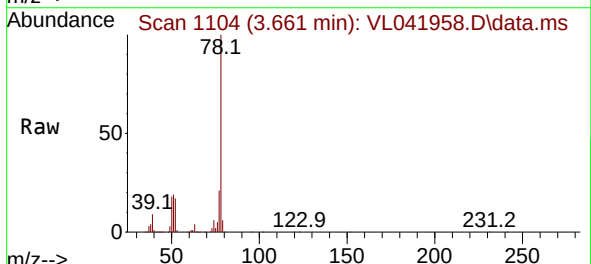
Instrument :  
MSVOA\_L  
ClientSampleId :

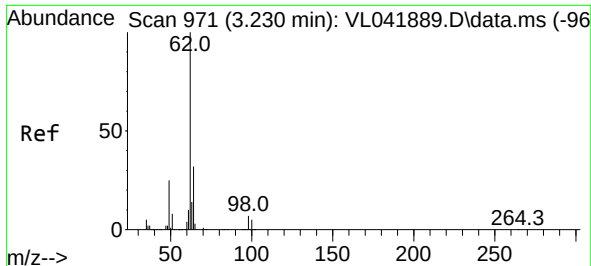
Tgt Ion:117 Resp: 320703  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.9 115.3  
121 30.0 23.8 35.6



#36  
Benzene  
Concen: 11.280 ppbv  
RT: 3.661 min Scan# 1104  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 78 Resp: 444350  
Ion Ratio Lower Upper  
78 100  
77 21.2 18.1 27.1  
50 18.1 15.2 22.8





#37

1,2-Dichloroethane

Concen: 10.905 ppbv

RT: 3.221 min Scan# 91

Delta R.T. -0.009 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

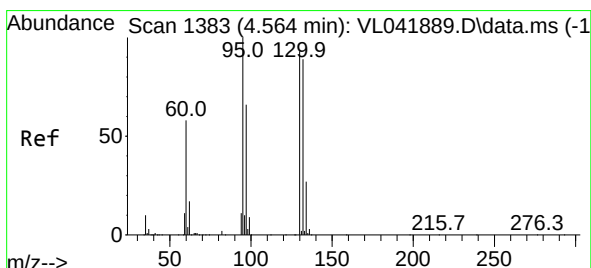
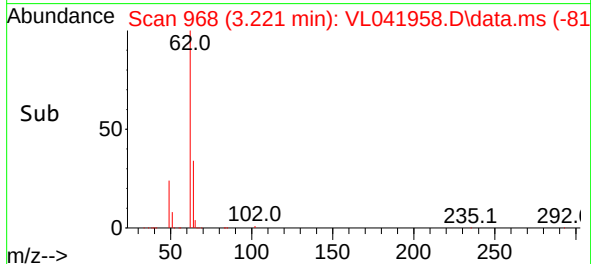
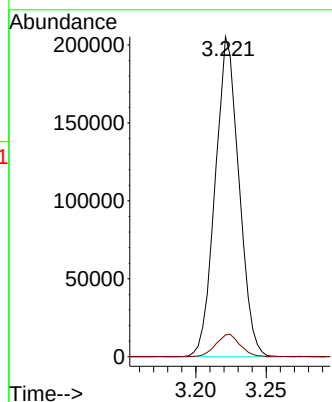
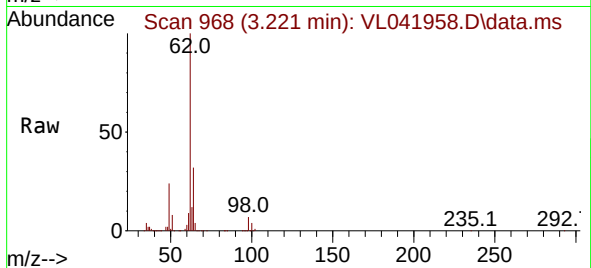
ClientSampleId :

Tgt Ion: 62 Resp: 241263

Ion Ratio Lower Upper

62 100

98 7.1 5.4 8.0



#38

Trichloroethene

Concen: 11.218 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. -0.013 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Tgt Ion:130 Resp: 175365

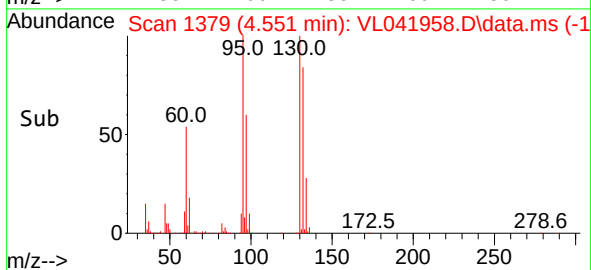
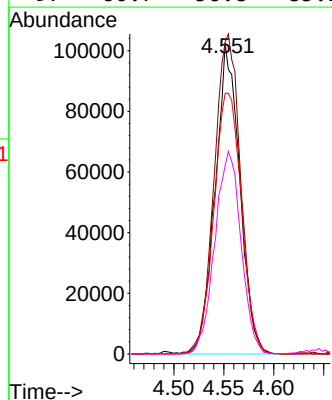
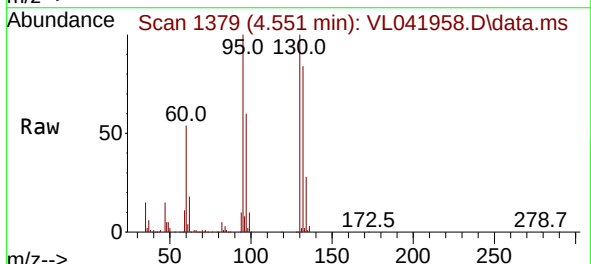
Ion Ratio Lower Upper

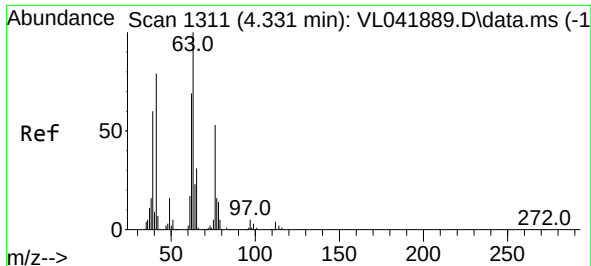
130 100

95 100.4 85.8 128.8

132 83.9 76.5 114.7

97 60.7 56.8 85.2





#39

1,2-Dichloropropane

Concen: 11.255 ppbv

RT: 4.322 min Scan# 11

Delta R.T. -0.009 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

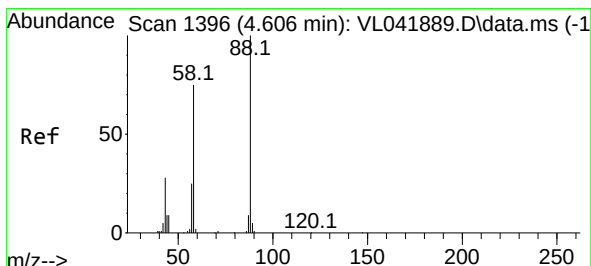
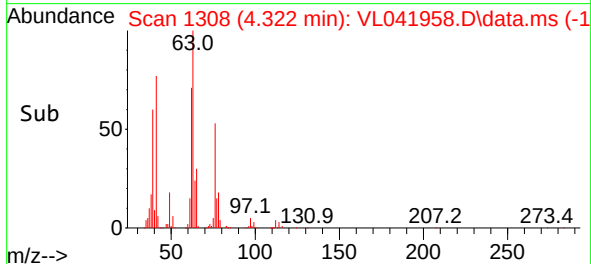
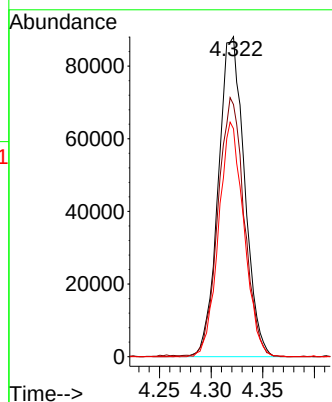
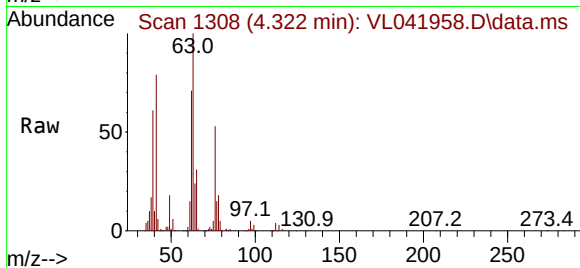
Tgt Ion: 63 Resp: 155514

Ion Ratio Lower Upper

63 100

41 78.7 63.7 95.5

62 71.2 55.4 83.2



#40

1,4-Dioxane

Concen: 10.701 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. -0.016 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Tgt Ion: 88 Resp: 74675

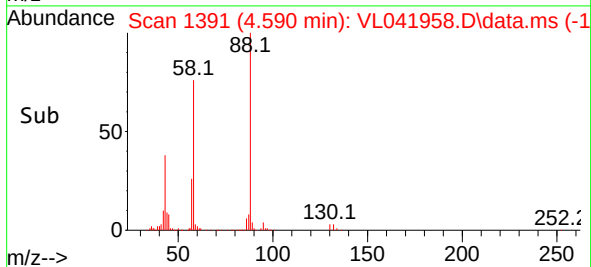
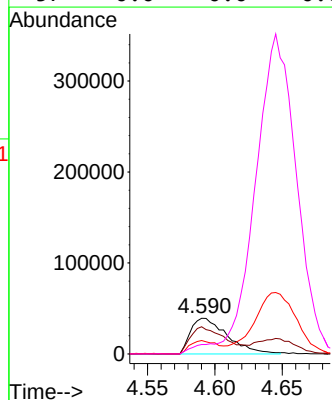
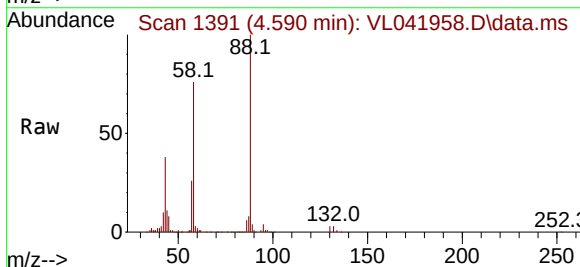
Ion Ratio Lower Upper

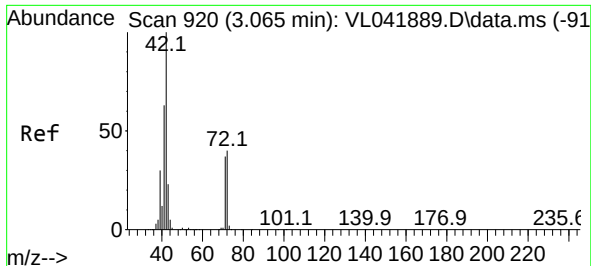
88 100

58 74.7 62.1 93.1

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.736 ppbv

RT: 3.059 min Scan# 918

Delta R.T. -0.006 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

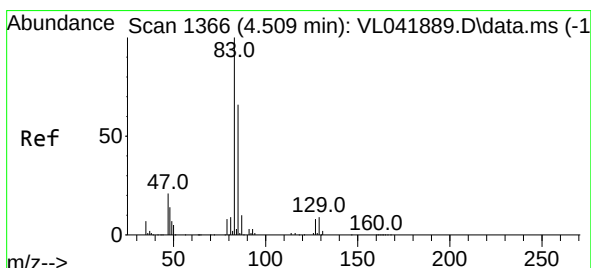
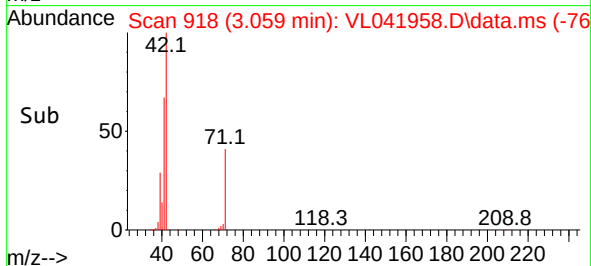
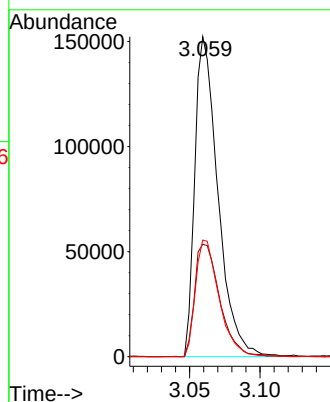
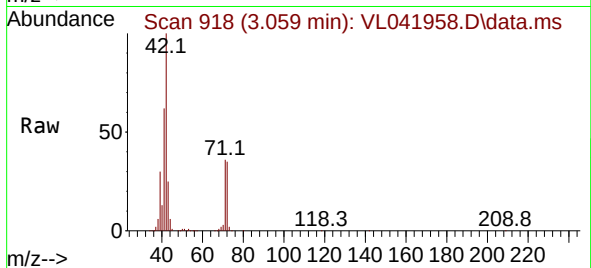
Tgt Ion: 42 Resp: 174208

Ion Ratio Lower Upper

42 100

72 38.3 32.3 48.5

71 37.2 29.9 44.9



#42

Bromodichloromethane

Concen: 11.620 ppbv

RT: 4.496 min Scan# 1362

Delta R.T. -0.013 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

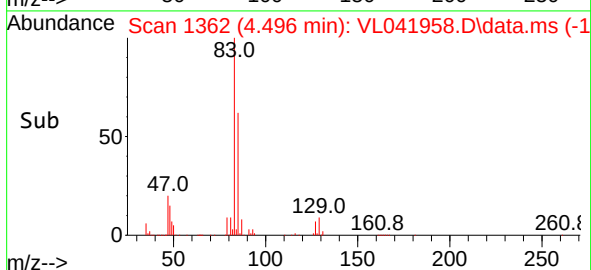
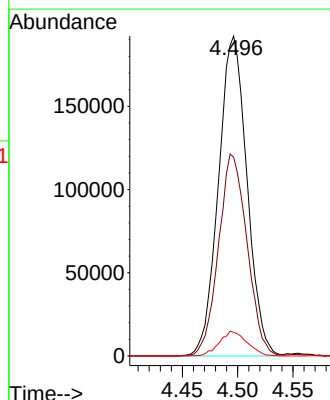
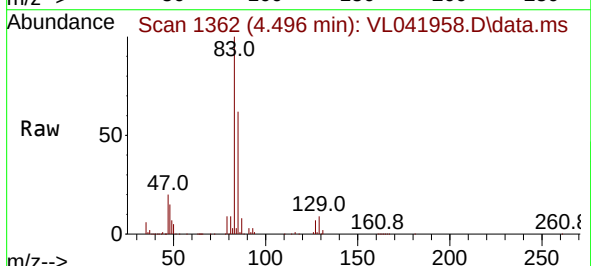
Tgt Ion: 83 Resp: 344670

Ion Ratio Lower Upper

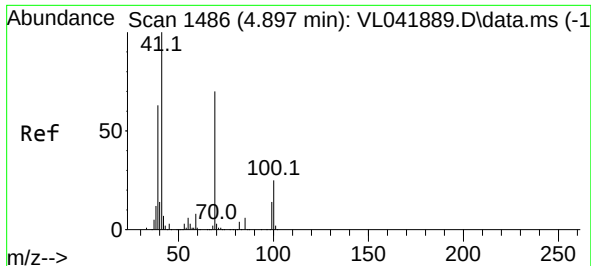
83 100

85 62.2 52.6 78.8

127 7.4 6.4 9.6



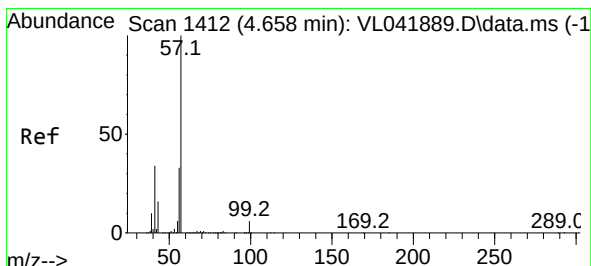
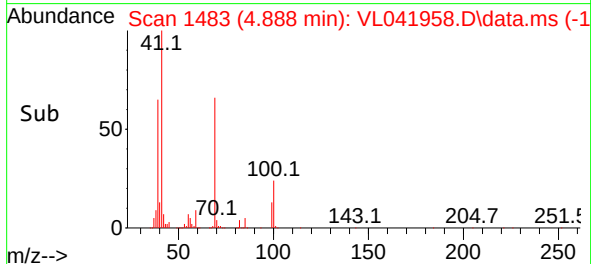
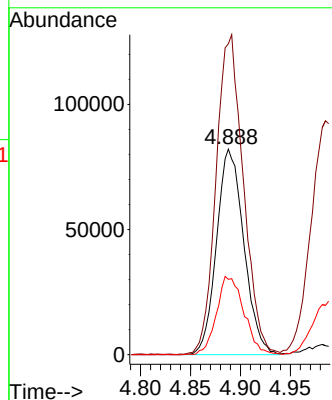
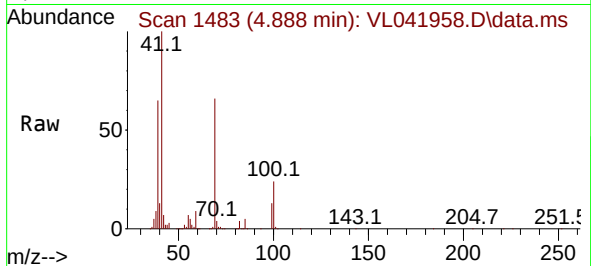




#43  
Methyl Methacrylate  
Concen: 10.675 ppbv  
RT: 4.888 min Scan# 1483  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

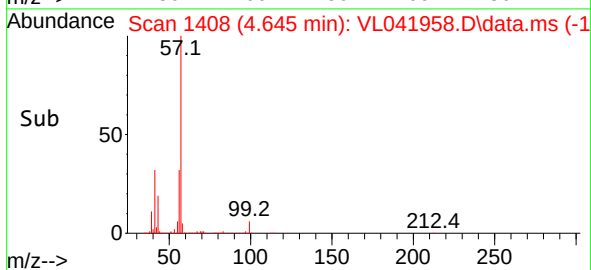
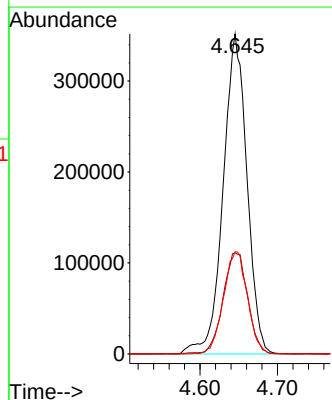
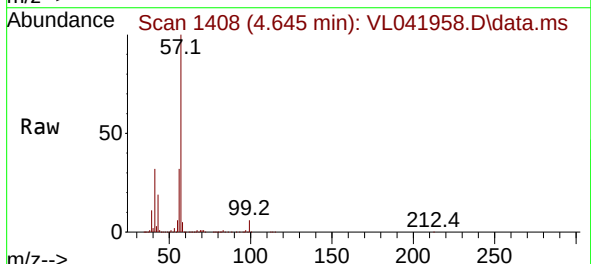
Instrument :  
MSVOA\_L  
ClientSampleId :

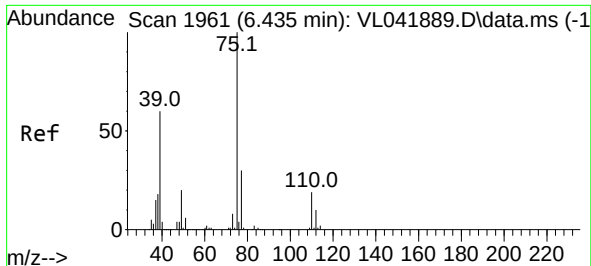
Tgt Ion: 69 Resp: 156216  
Ion Ratio Lower Upper  
69 100  
41 154.9 118.6 177.8  
100 38.1 29.3 43.9



#44  
2,2,4-Trimethylpentane  
Concen: 11.790 ppbv  
RT: 4.645 min Scan# 1408  
Delta R.T. -0.013 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 57 Resp: 751181  
Ion Ratio Lower Upper  
57 100  
41 32.9 26.6 40.0  
56 32.2 25.4 38.2

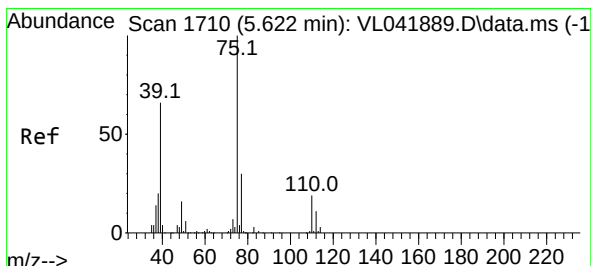
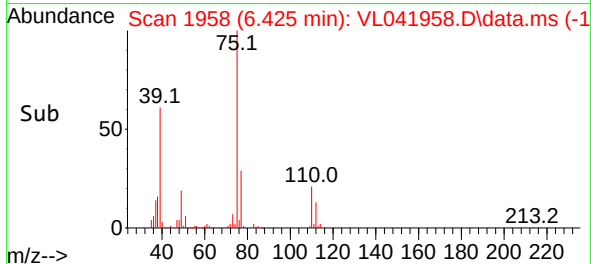
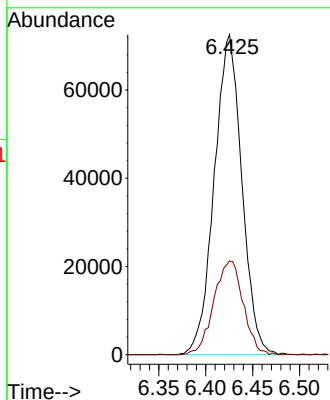
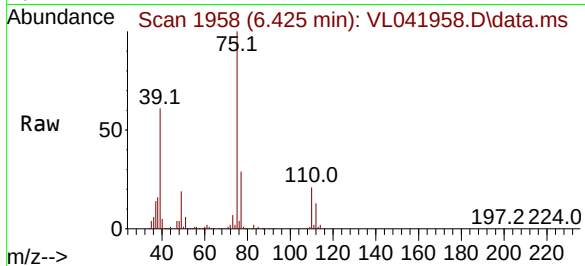




#45  
t-1,3-Dichloropropene  
Concen: 10.811 ppbv  
RT: 6.425 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

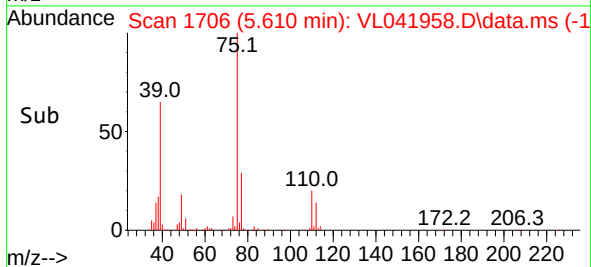
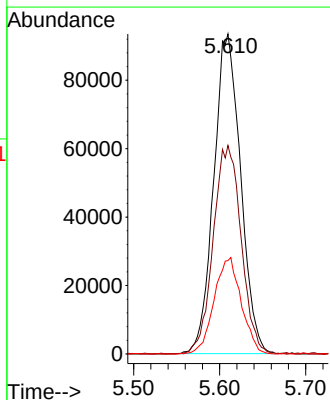
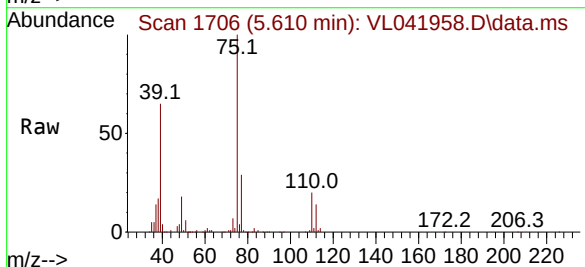
Instrument :  
MSVOA\_L  
ClientSampleId :

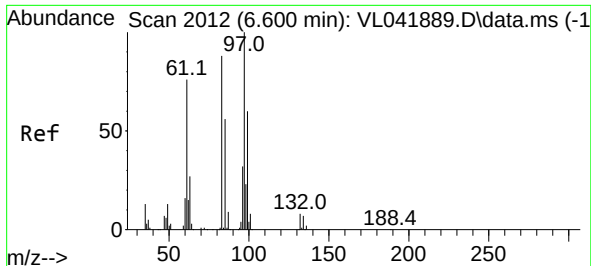
Tgt Ion: 75 Resp: 148089  
Ion Ratio Lower Upper  
75 100  
77 29.2 24.3 36.5



#46  
cis-1,3-Dichloropropene  
Concen: 11.274 ppbv  
RT: 5.610 min Scan# 1706  
Delta R.T. -0.013 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 75 Resp: 202762  
Ion Ratio Lower Upper  
75 100  
39 65.1 53.1 79.7  
77 29.2 23.8 35.8





#47

1,1,2-Trichloroethane

Concen: 11.410 ppbv

RT: 6.590 min Scan# 2012

Delta R.T. -0.009 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 97 Resp: 167097

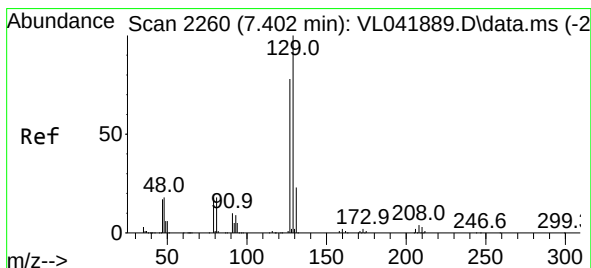
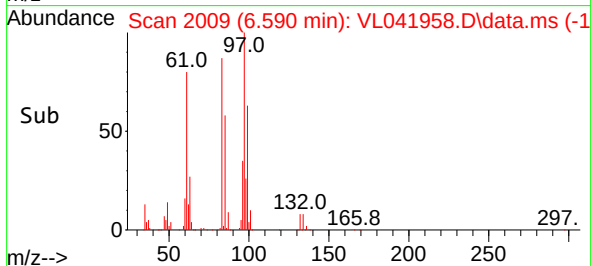
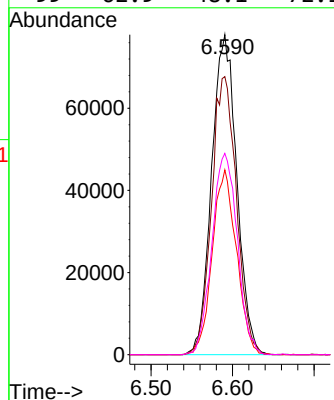
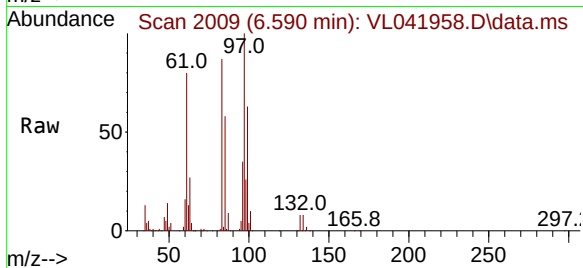
Ion Ratio Lower Upper

97 100

83 86.9 70.4 105.6

85 57.8 45.0 67.4

99 62.9 48.1 72.1



#48

Dibromochloromethane

Concen: 11.924 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. -0.009 min

Lab File: VL041958.D

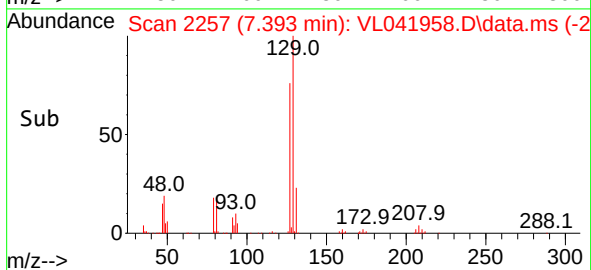
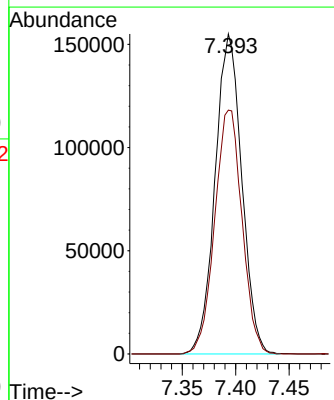
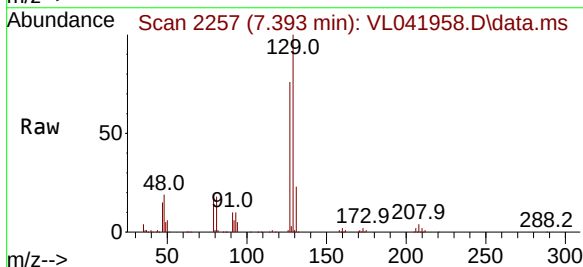
Acq: 03 Feb 2025 10:48

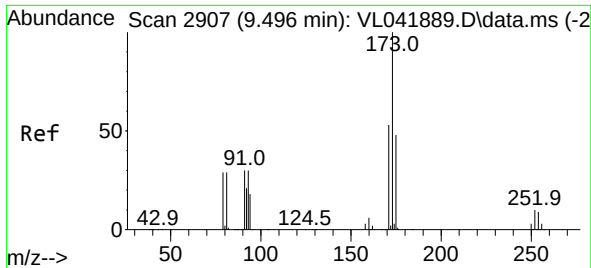
Tgt Ion: 129 Resp: 269437

Ion Ratio Lower Upper

129 100

127 77.9 39.3 117.8

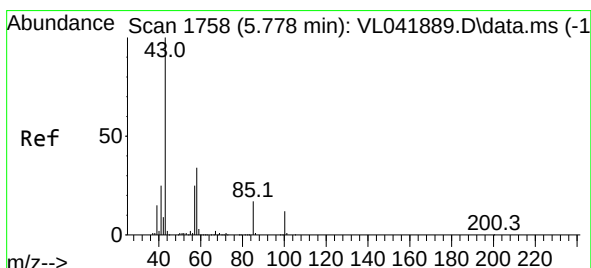
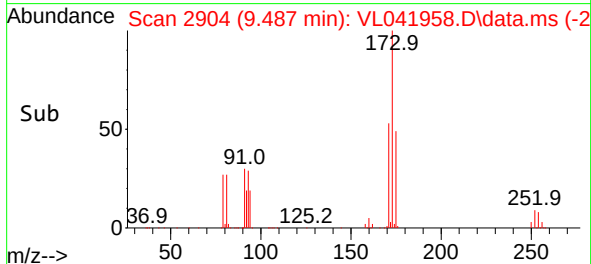
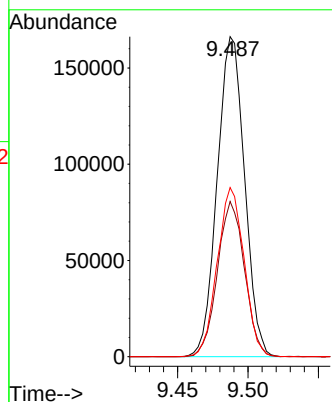
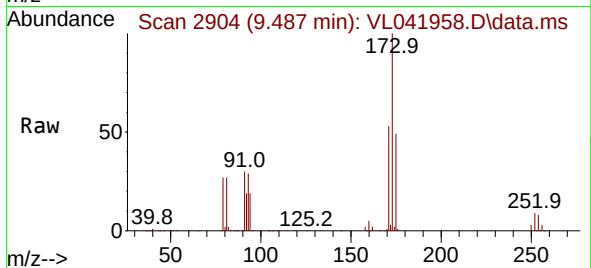




#49  
Bromoform  
Concen: 12.125 ppbv  
RT: 9.487 min Scan# 2904  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

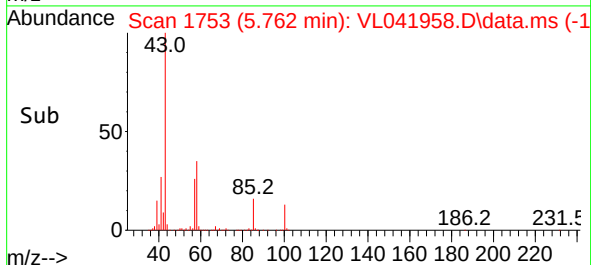
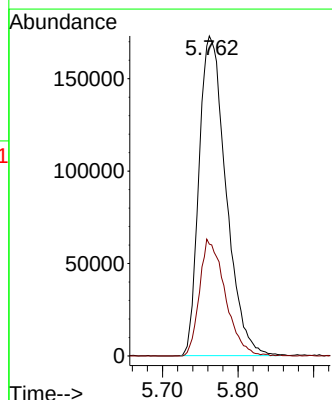
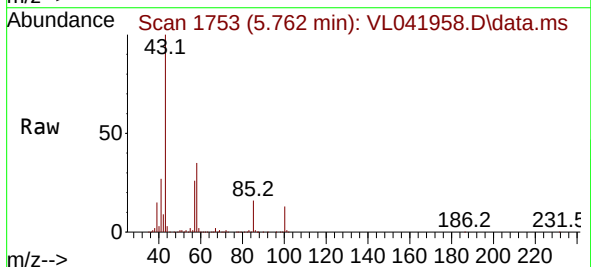
Instrument :  
MSVOA\_L  
ClientSampleId :

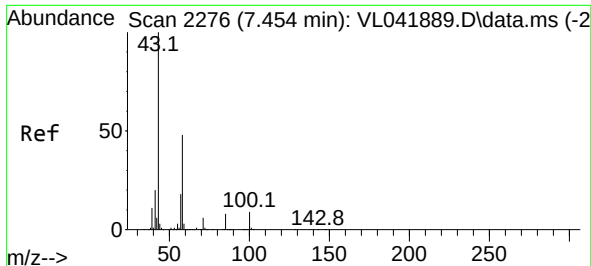
Tgt Ion:173 Resp: 225054  
Ion Ratio Lower Upper  
173 100  
175 48.0 38.4 57.6  
171 51.9 41.4 62.2



#50  
4-Methyl-2-Pentanone  
Concen: 11.499 ppbv  
RT: 5.762 min Scan# 1753  
Delta R.T. -0.016 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 43 Resp: 428753  
Ion Ratio Lower Upper  
43 100  
58 34.9 29.0 43.6

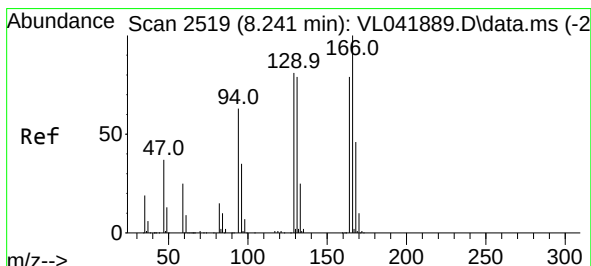
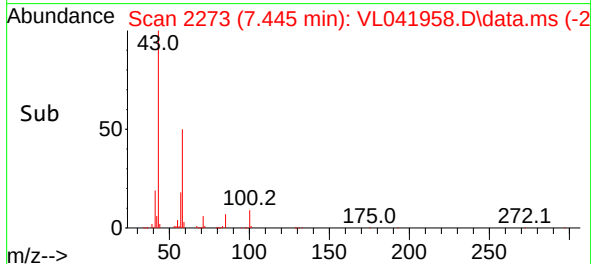
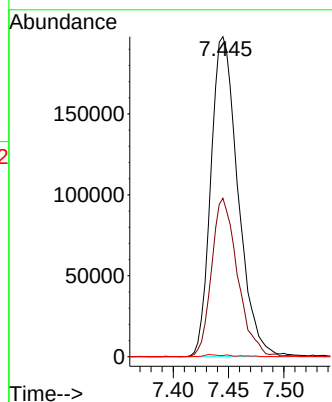
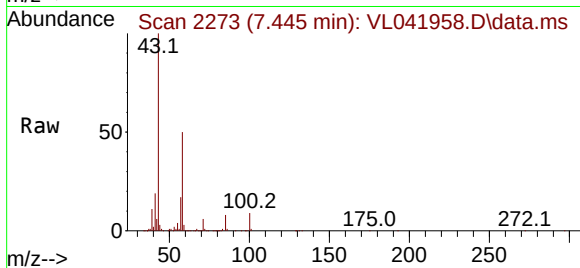




#51  
2-Hexanone  
Concen: 11.752 ppbv  
RT: 7.445 min Scan# 211  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

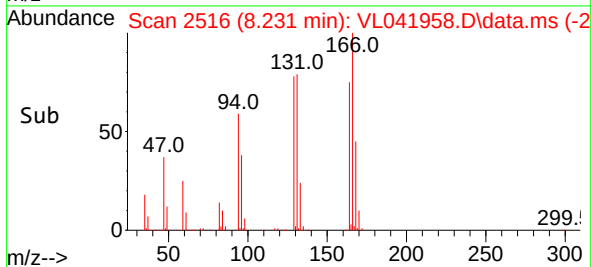
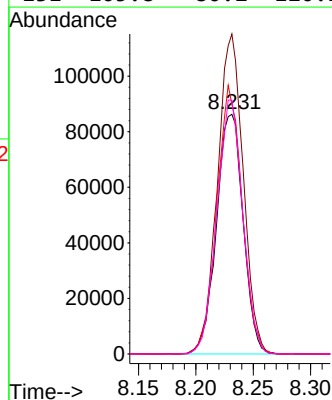
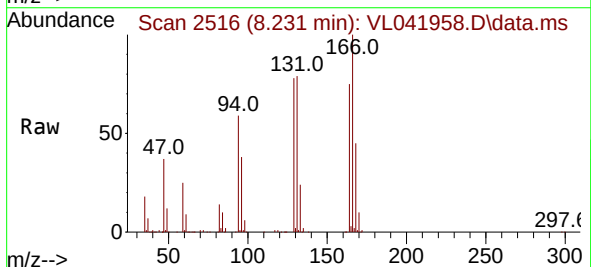
Instrument :  
MSVOA\_L  
ClientSampleId :

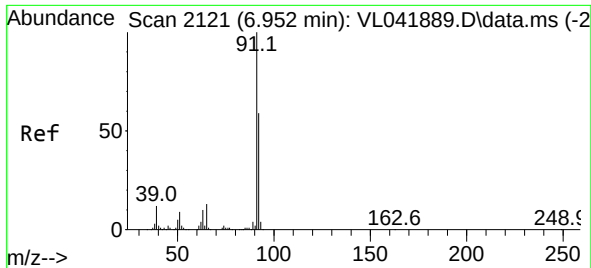
Tgt Ion: 43 Resp: 336693  
Ion Ratio Lower Upper  
43 100  
58 47.8 40.4 60.6  
98 0.7 0.2 0.2#



#52  
Tetrachloroethene  
Concen: 10.211 ppbv  
RT: 8.231 min Scan# 2516  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion:164 Resp: 139466  
Ion Ratio Lower Upper  
164 100  
166 133.5 100.8 151.2  
129 104.1 82.0 123.0  
131 105.8 80.2 120.2

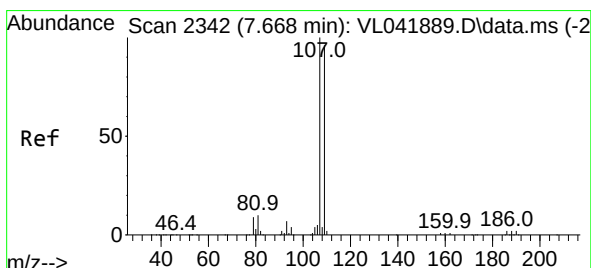
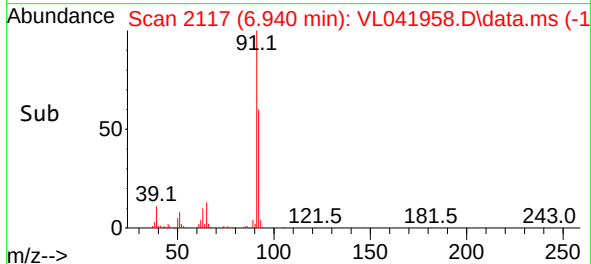
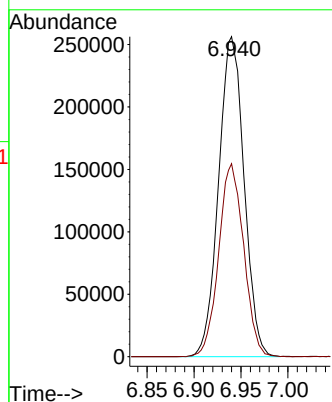
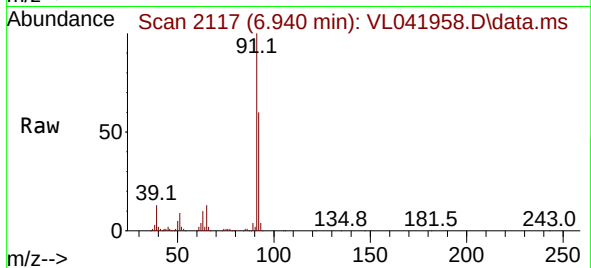




#53  
Toluene  
Concen: 11.275 ppbv  
RT: 6.940 min Scan# 2121  
Delta R.T. -0.013 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

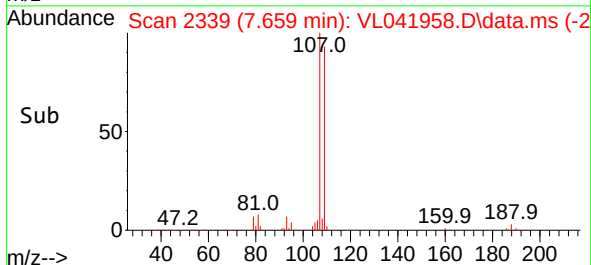
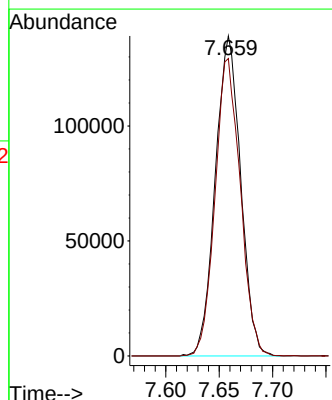
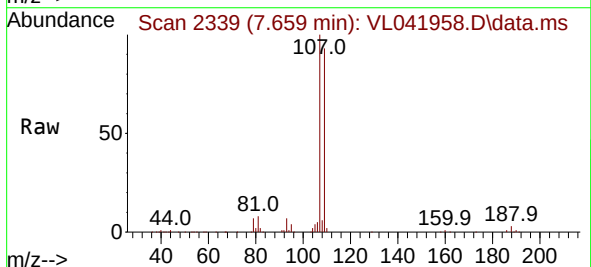
Instrument :  
MSVOA\_L  
ClientSampleId :

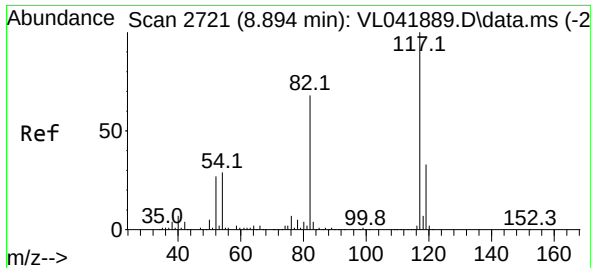
Tgt Ion: 91 Resp: 483814  
Ion Ratio Lower Upper  
91 100  
92 59.1 47.4 71.0



#54  
1,2-Dibromoethane  
Concen: 11.384 ppbv  
RT: 7.659 min Scan# 2339  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 107 Resp: 229203  
Ion Ratio Lower Upper  
107 100  
109 93.0 76.7 115.1

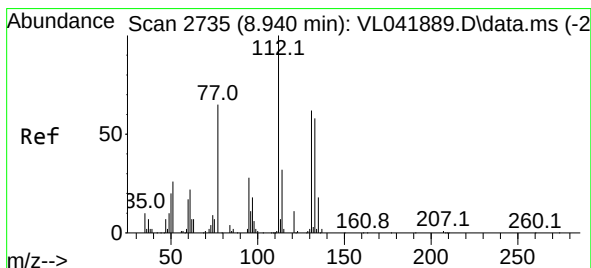
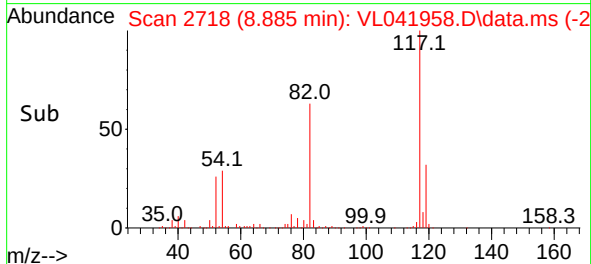
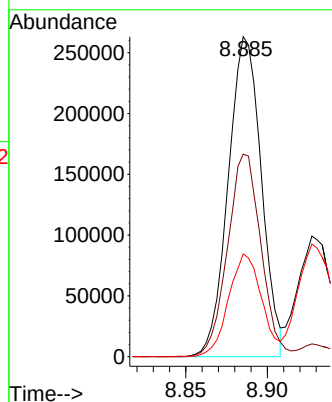
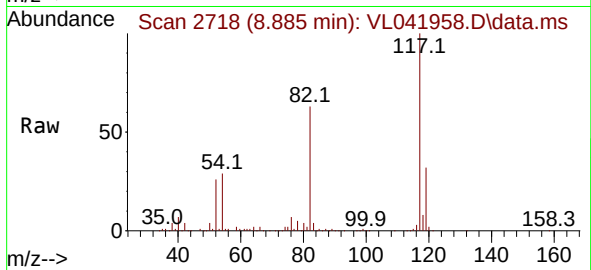




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.885 min Scan# 2718  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

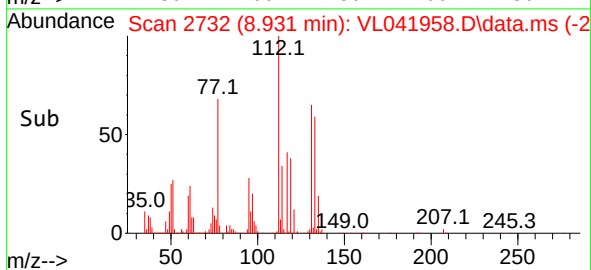
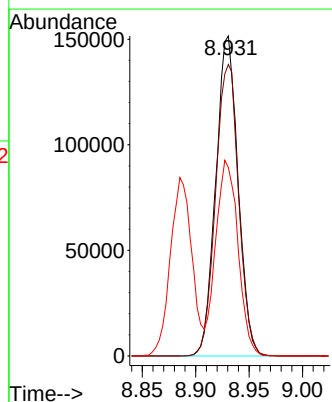
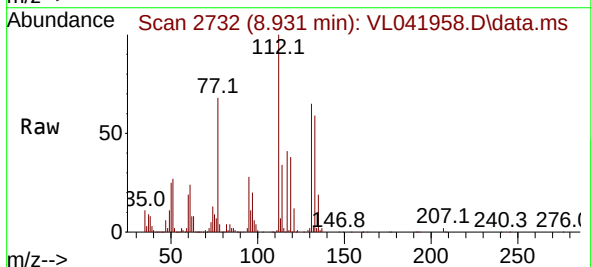
Instrument :  
MSVOA\_L  
ClientSampleId :

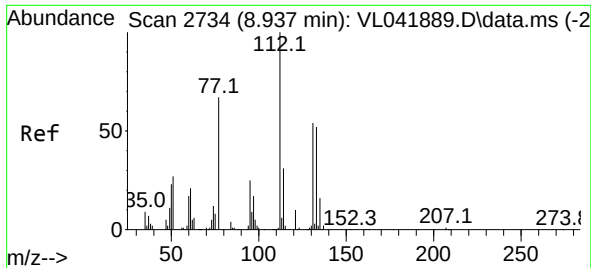
Tgt Ion:117 Resp: 371333  
Ion Ratio Lower Upper  
117 100  
82 67.6 54.2 81.4  
119 33.2 25.0 37.6



#56  
1,1,1,2-Tetrachloroethane  
Concen: 11.885 ppbv  
RT: 8.931 min Scan# 2732  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion:131 Resp: 220185  
Ion Ratio Lower Upper  
131 100  
133 94.3 76.0 114.0  
119 61.3 49.7 74.5

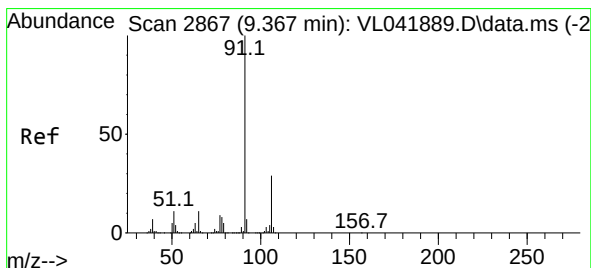
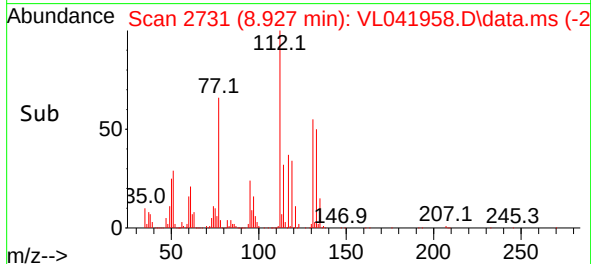
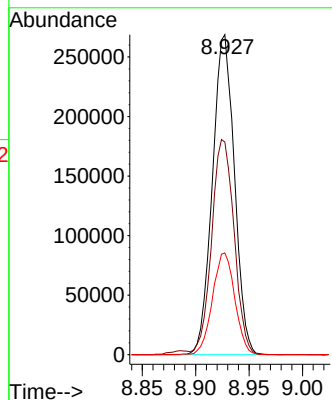
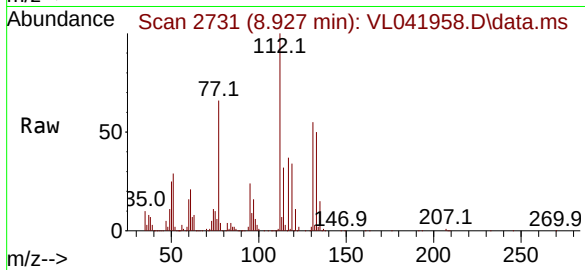




#57  
Chlorobenzene  
Concen: 11.280 ppbv  
RT: 8.927 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

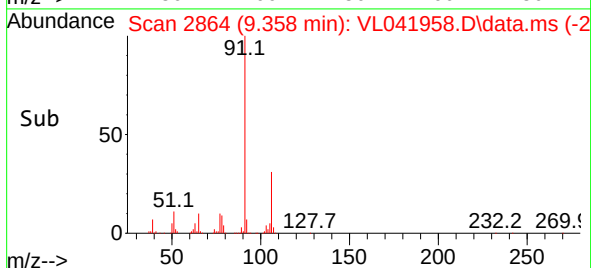
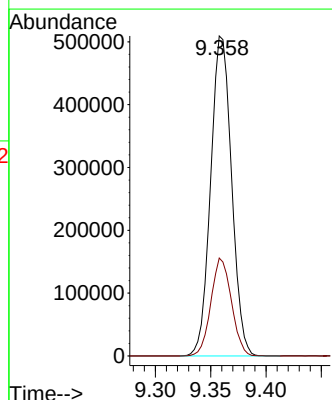
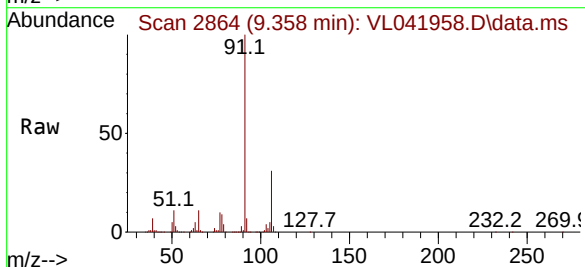
Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion:112 Resp: 386374  
Ion Ratio Lower Upper  
112 100  
77 66.4 54.6 82.0  
114 31.8 28.2 34.4

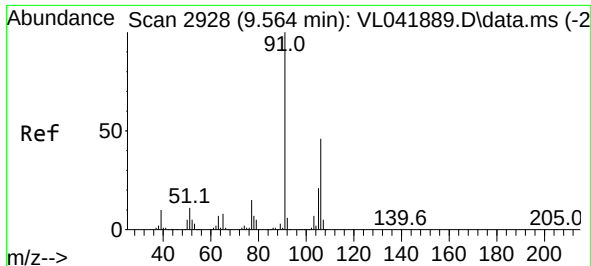


#58  
Ethyl Benzene  
Concen: 11.531 ppbv  
RT: 9.358 min Scan# 2864  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 91 Resp: 669174  
Ion Ratio Lower Upper  
91 100  
106 30.6 23.1 34.7







#59

m/p-Xylene

Concen: 11.485 ppbv

RT: 9.555 min Scan# 29

Delta R.T. -0.009 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

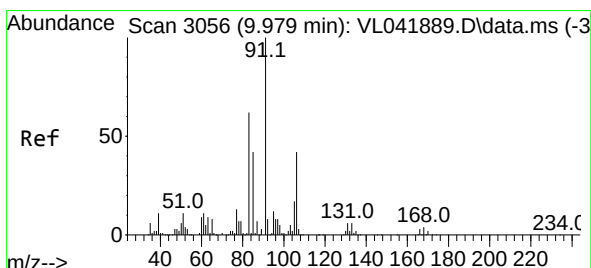
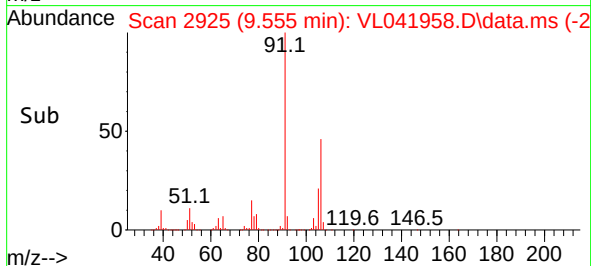
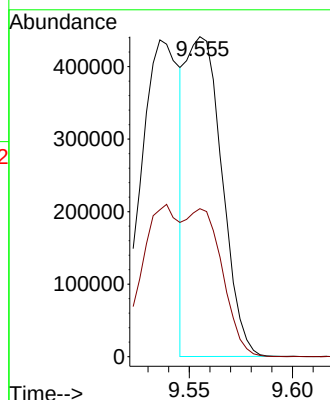
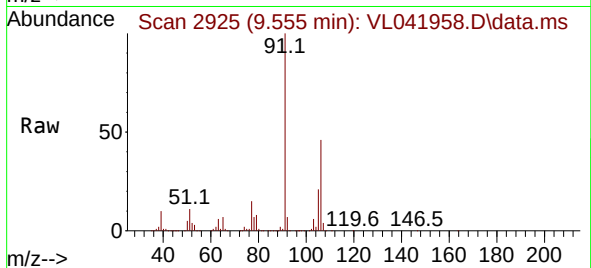
ClientSampleId :

Tgt Ion: 91 Resp: 534248

Ion Ratio Lower Upper

91 100

106 0.0 36.0 54.0#



#60

o-Xylene

Concen: 12.025 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.009 min

Lab File: VL041958.D

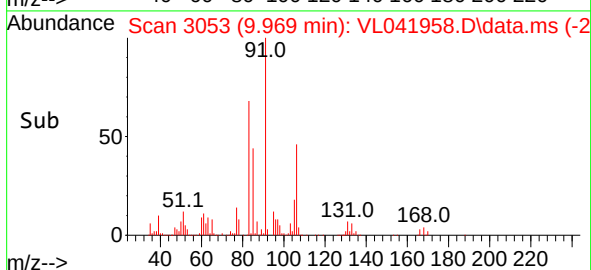
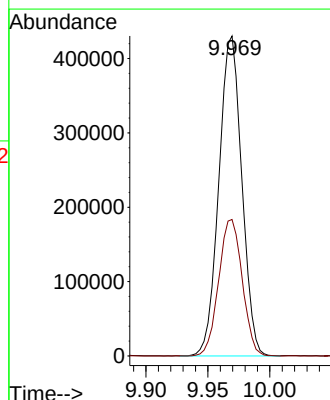
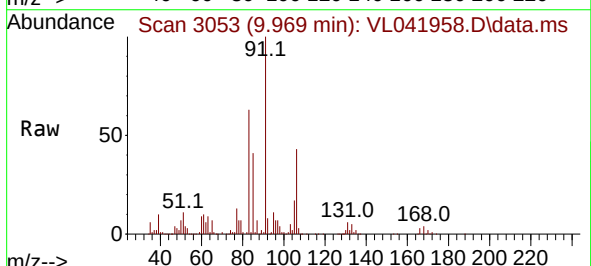
Acq: 03 Feb 2025 10:48

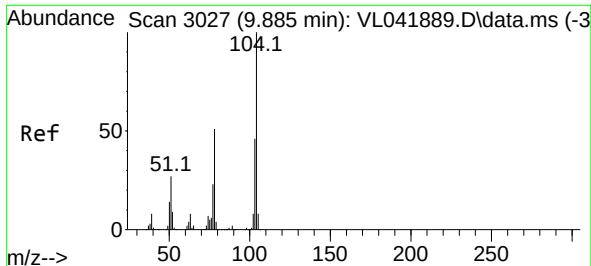
Tgt Ion: 91 Resp: 555194

Ion Ratio Lower Upper

91 100

106 43.9 21.3 63.9





#61

Styrene

Concen: 11.895 ppbv

RT: 9.876 min Scan# 3027

Delta R.T. -0.009 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

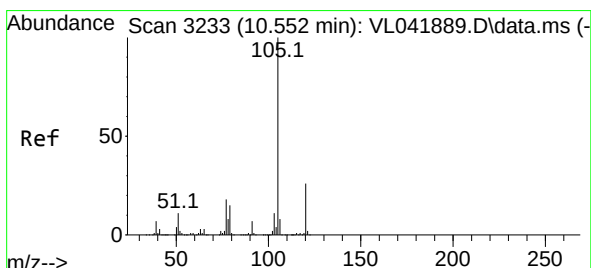
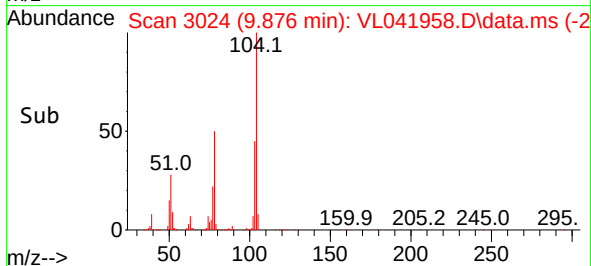
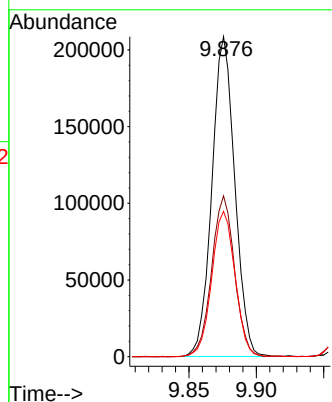
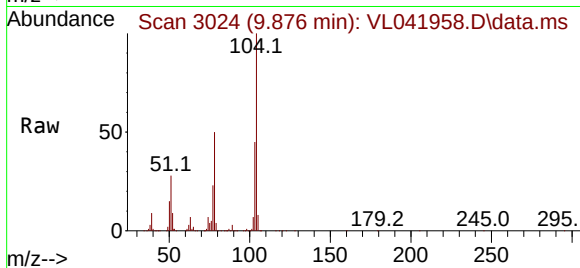
Tgt Ion:104 Resp: 246355

Ion Ratio Lower Upper

104 100

78 50.4 41.0 61.6

103 46.5 37.2 55.8



#62

Isopropylbenzene

Concen: 11.677 ppbv

RT: 10.542 min Scan# 3230

Delta R.T. -0.009 min

Lab File: VL041958.D

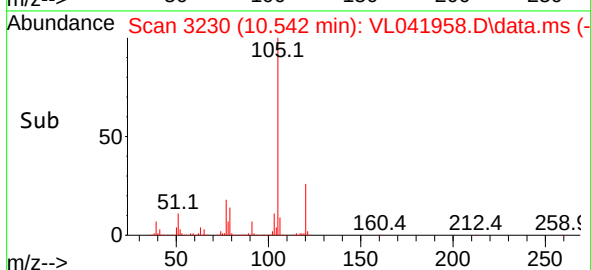
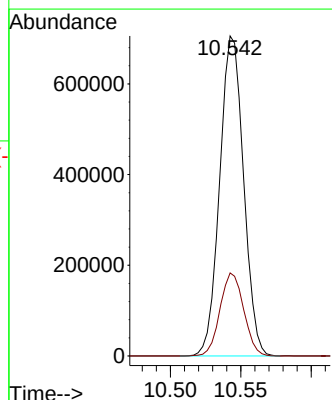
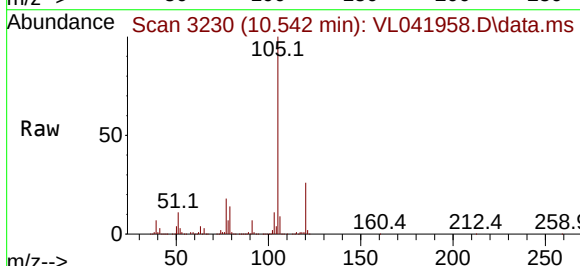
Acq: 03 Feb 2025 10:48

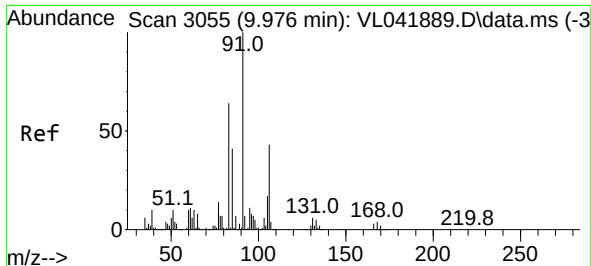
Tgt Ion:105 Resp: 834260

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

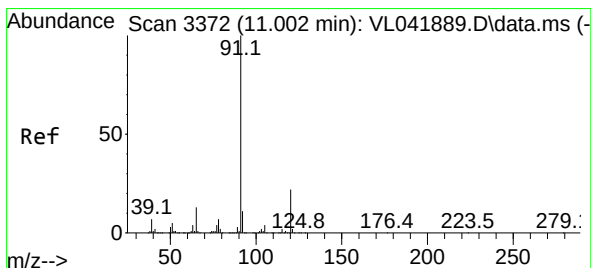
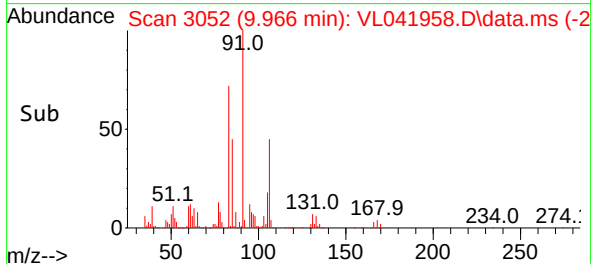
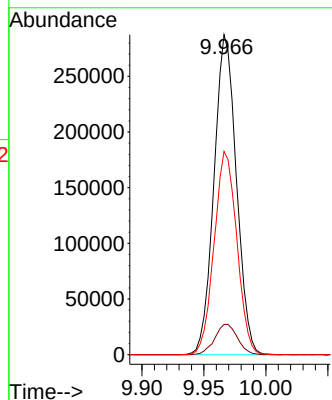
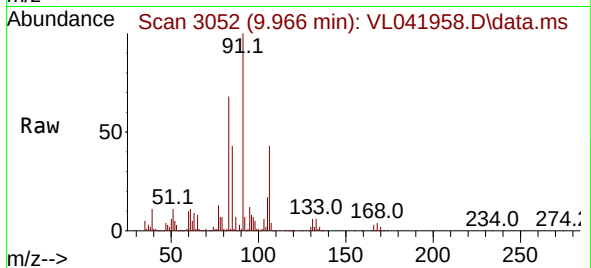




#63  
1,1,2,2-Tetrachloroethane  
Concen: 12.280 ppbv  
RT: 9.966 min Scan# 3055  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

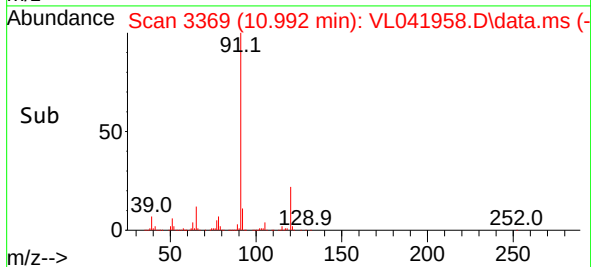
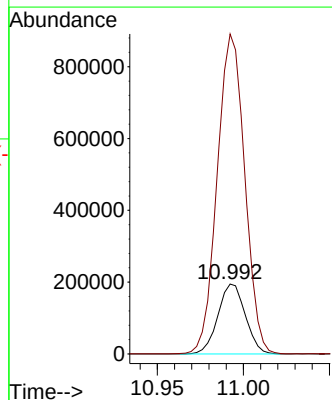
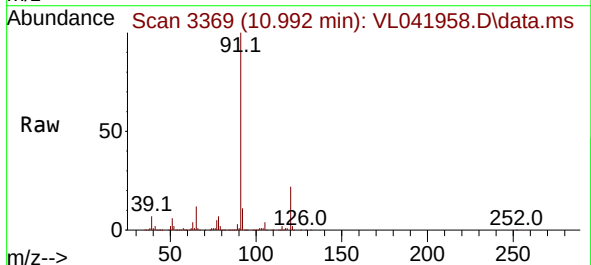
Instrument :  
MSVOA\_L  
ClientSampleId :

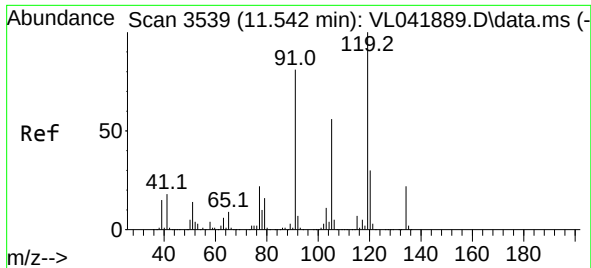
Tgt Ion: 83 Resp: 362310  
Ion Ratio Lower Upper  
83 100  
131 9.7 4.8 14.4  
85 64.3 32.4 97.2



#64  
n-propylbenzene  
Concen: 11.942 ppbv  
RT: 10.992 min Scan# 3369  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 120 Resp: 215585  
Ion Ratio Lower Upper  
120 100  
91 461.7 374.1 561.1

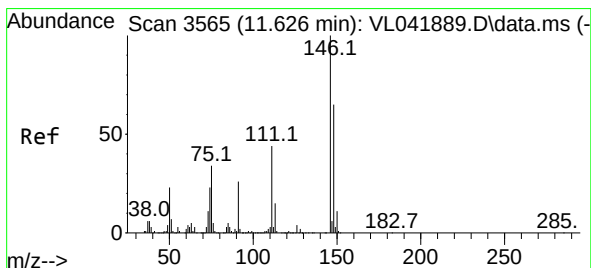
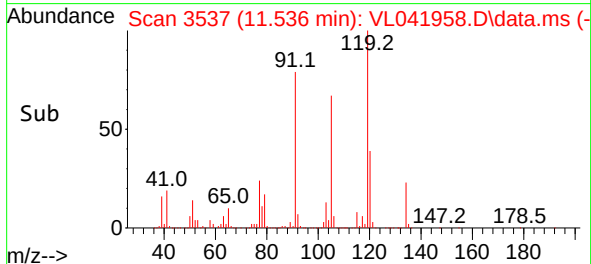
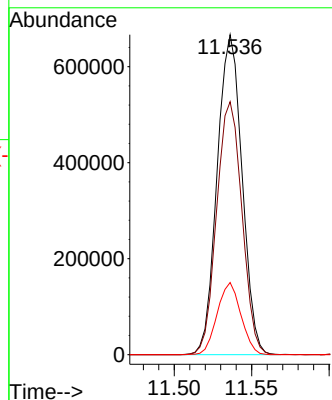
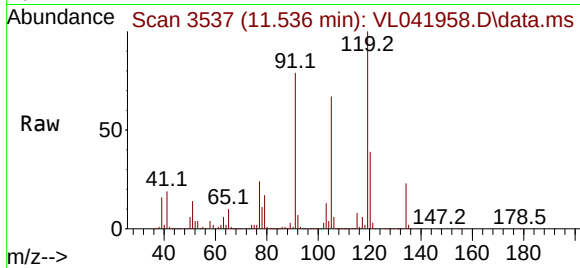




#65  
tert-Butylbenzene  
Concen: 11.464 ppbv  
RT: 11.536 min Scan# 3537  
Delta R.T. -0.006 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

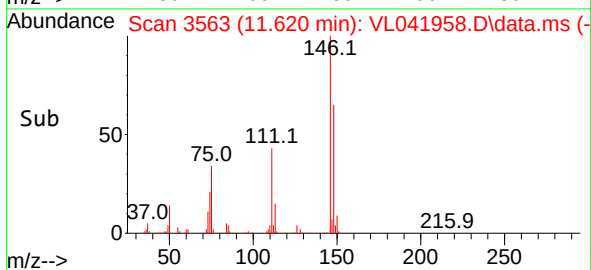
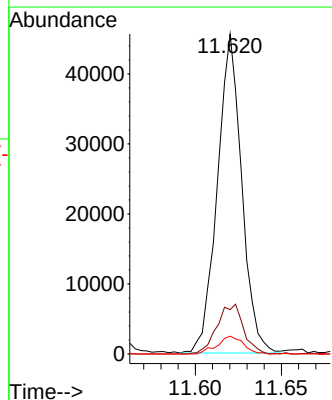
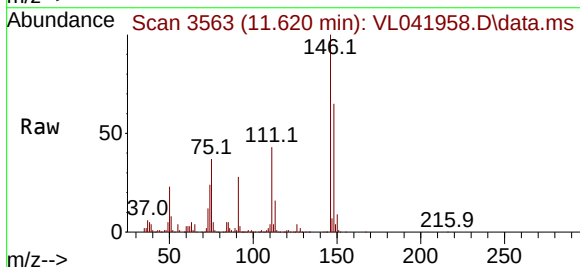
Instrument :  
MSVOA\_L  
ClientSampleId :

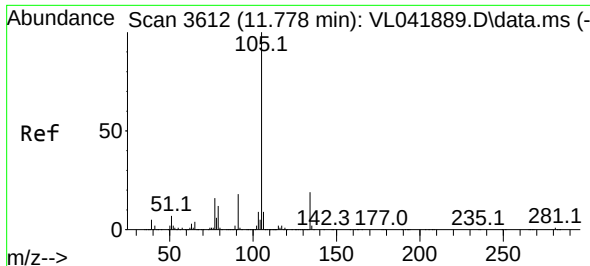
Tgt Ion:119 Resp: 746398  
Ion Ratio Lower Upper  
119 100  
91 80.2 64.6 97.0  
134 21.4 16.8 25.2



#66  
Benzyl Chloride  
Concen: 11.160 ppbv  
RT: 11.620 min Scan# 3563  
Delta R.T. -0.006 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 91 Resp: 44973  
Ion Ratio Lower Upper  
91 100  
126 17.0 14.1 21.1  
128 6.0 4.3 6.5

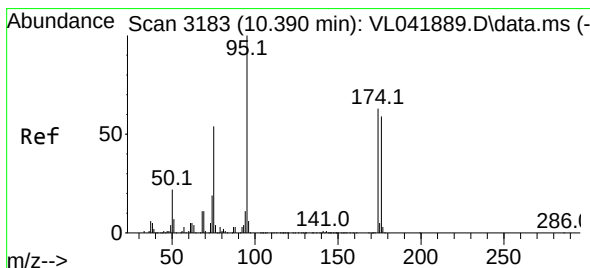
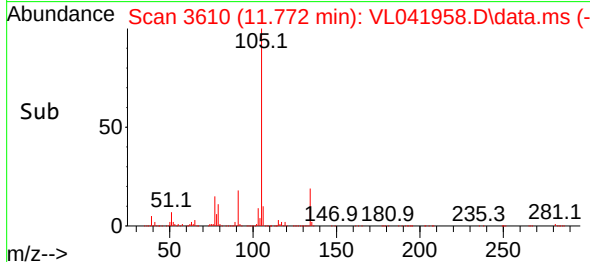
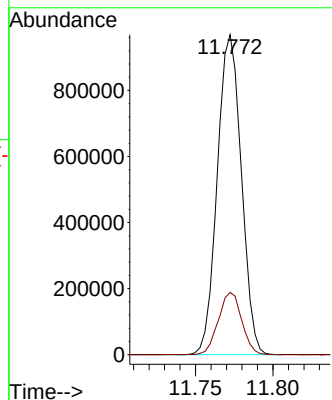
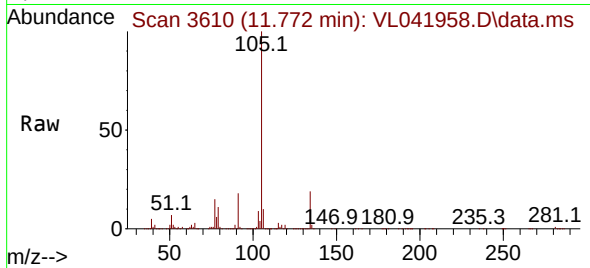




#67  
 sec-Butylbenzene  
 Concen: 11.655 ppbv  
 RT: 11.772 min Scan# 3610  
 Delta R.T. -0.006 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

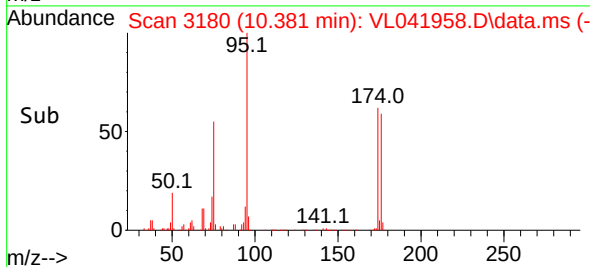
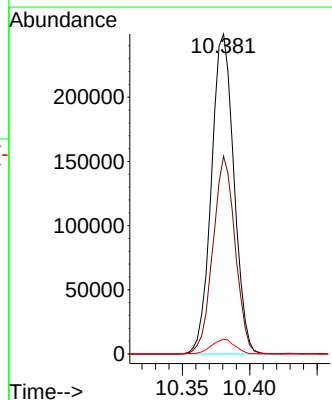
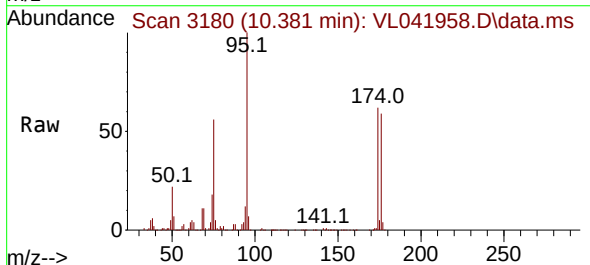
Instrument :  
 MSVOA\_L  
 ClientSampleId :

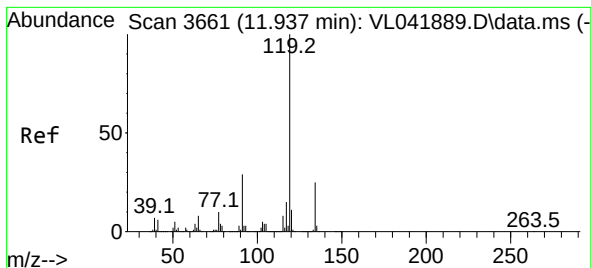
Tgt Ion:105 Resp: 1044912  
 Ion Ratio Lower Upper  
 105 100  
 134 19.0 15.1 22.7



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.905 ppbv  
 RT: 10.381 min Scan# 3180  
 Delta R.T. -0.009 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

Tgt Ion: 95 Resp: 289698  
 Ion Ratio Lower Upper  
 95 100  
 174 61.1 49.0 73.4  
 175 4.8 3.8 5.8

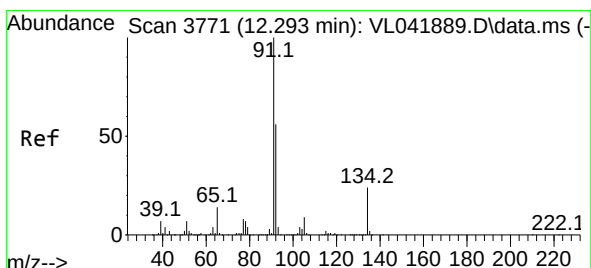
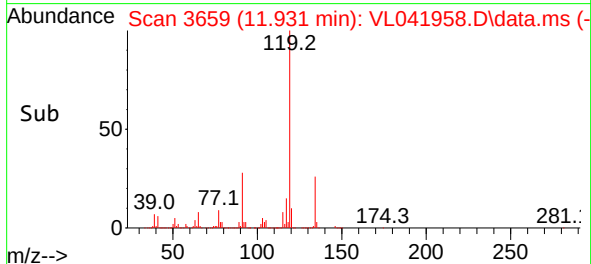
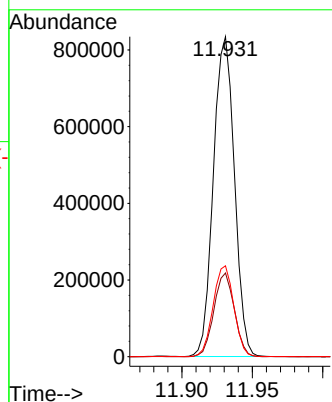
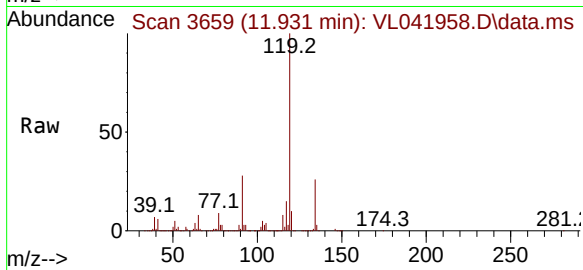




#69  
p-Isopropyltoluene  
Concen: 11.756 ppbv  
RT: 11.931 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

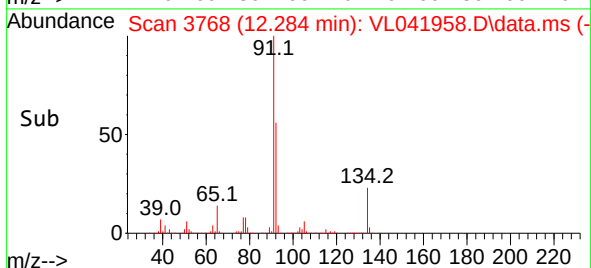
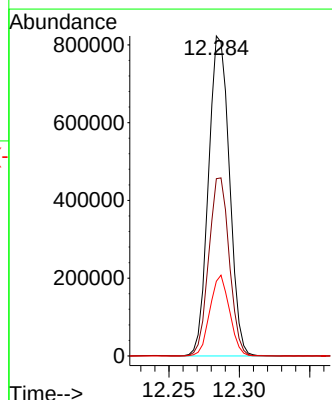
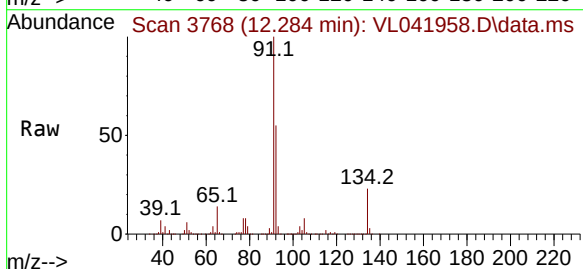
Instrument :  
MSVOA\_L  
ClientSampleId :

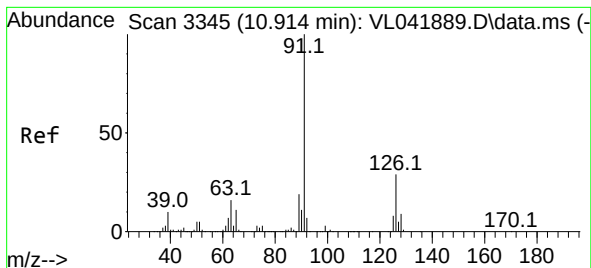
Tgt Ion:119 Resp: 867909  
Ion Ratio Lower Upper  
119 100  
134 25.5 19.8 29.6  
91 28.1 23.0 34.4



#70  
n-Butylbenzene  
Concen: 11.589 ppbv  
RT: 12.284 min Scan# 3768  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion: 91 Resp: 848499  
Ion Ratio Lower Upper  
91 100  
92 54.8 43.8 65.6  
134 23.7 19.0 28.6





#71

2-Chlorotoluene

Concen: 11.644 ppbv

RT: 10.905 min Scan# 31

Delta R.T. -0.009 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

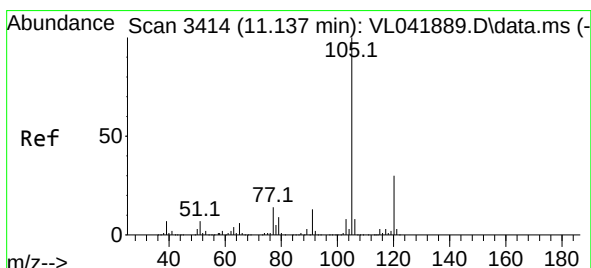
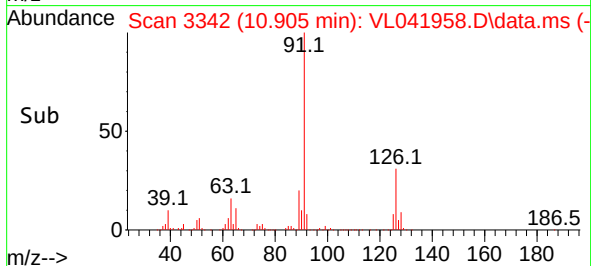
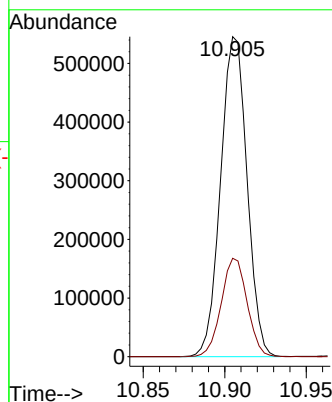
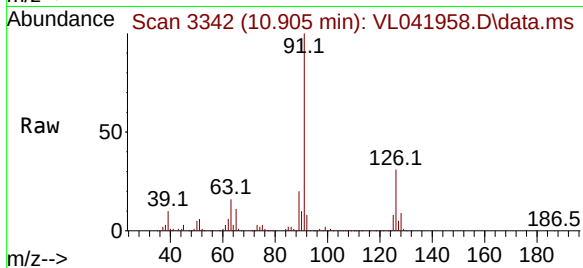
ClientSampleId :

Tgt Ion: 91 Resp: 615388

Ion Ratio Lower Upper

91 100

126 30.1 11.7 46.7



#72

4-Ethyltoluene

Concen: 11.926 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. -0.009 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Tgt Ion:105 Resp: 658660

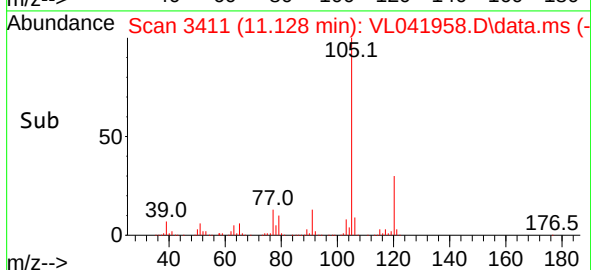
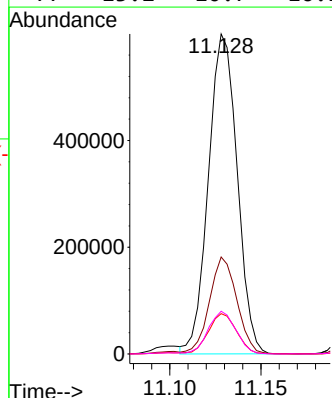
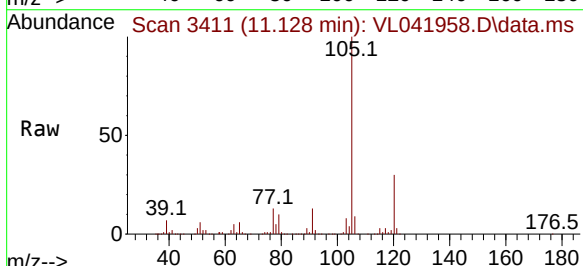
Ion Ratio Lower Upper

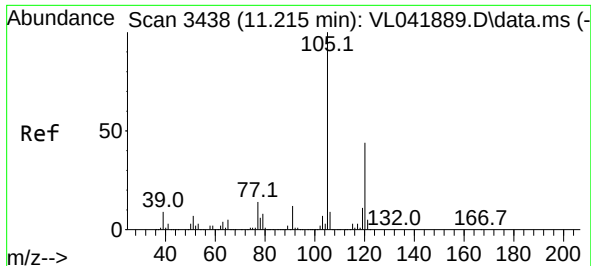
105 100

120 29.5 23.7 35.5

91 12.7 10.2 15.2

77 13.2 10.7 16.1

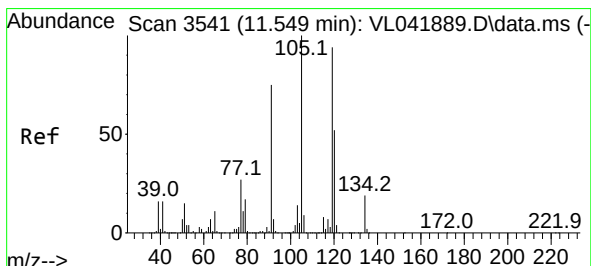
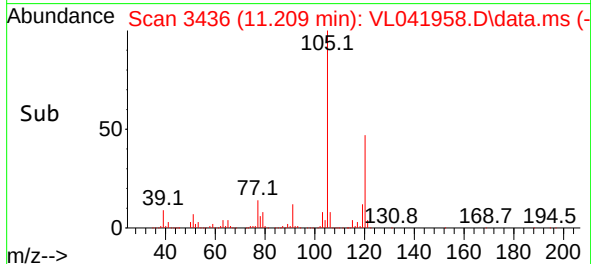
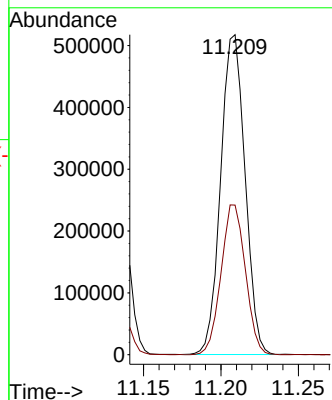
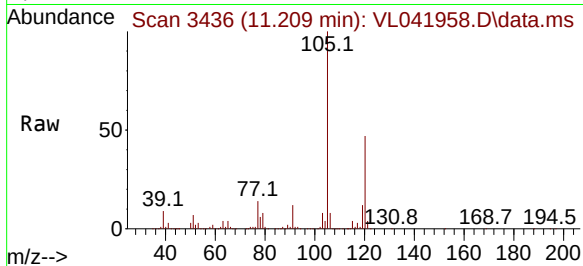




#73  
 1,3,5-Trimethylbenzene  
 Concen: 11.613 ppbv  
 RT: 11.209 min Scan# 34  
 Delta R.T. -0.006 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

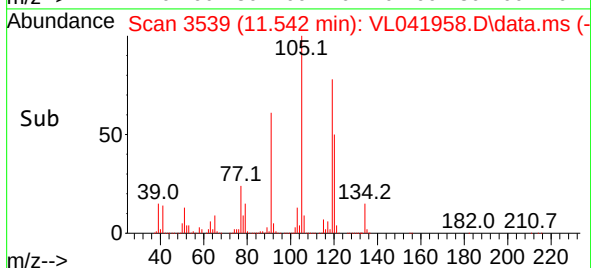
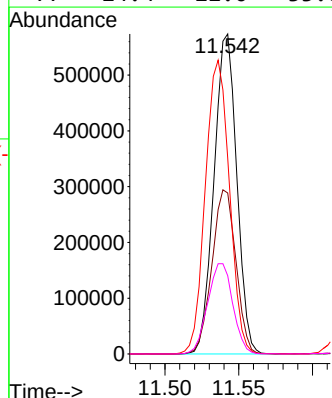
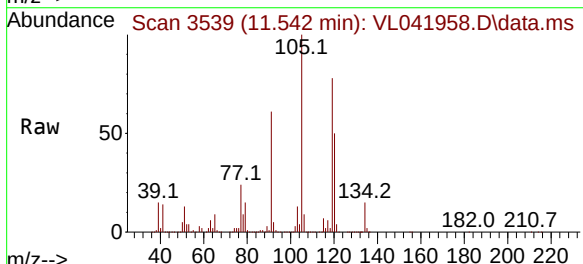
Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tgt Ion:105 Resp: 566361  
 Ion Ratio Lower Upper  
 105 100  
 120 46.8 35.4 53.2

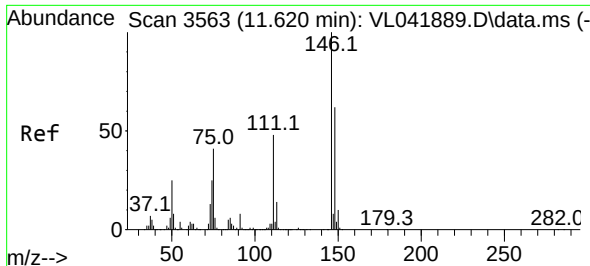


#74  
 1,2,4-Trimethylbenzene  
 Concen: 11.666 ppbv  
 RT: 11.542 min Scan# 3539  
 Delta R.T. -0.006 min  
 Lab File: VL041958.D  
 Acq: 03 Feb 2025 10:48

Tgt Ion:105 Resp: 616177  
 Ion Ratio Lower Upper  
 105 100  
 120 50.3 41.4 62.2  
 91 61.1 60.2 90.2  
 77 24.4 22.0 33.0



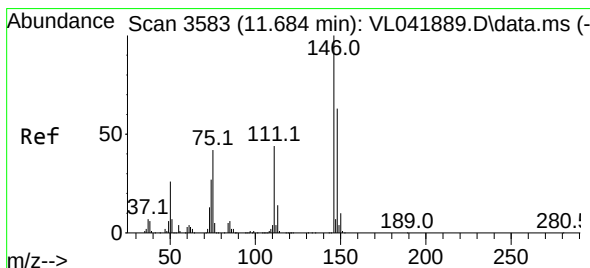
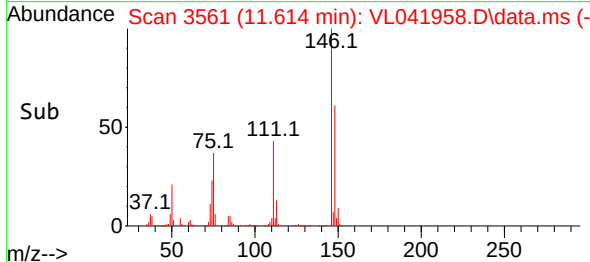
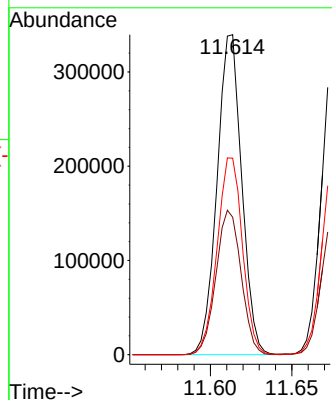
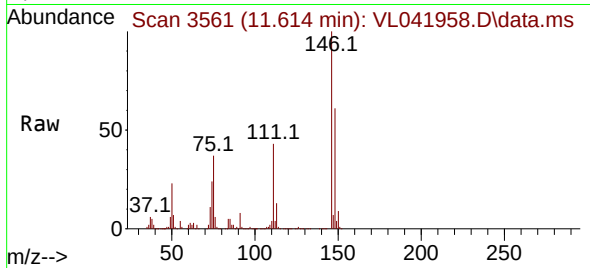




#75  
1,3-Dichlorobenzene  
Concen: 11.437 ppbv  
RT: 11.614 min Scan# 3561  
Delta R.T. -0.006 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

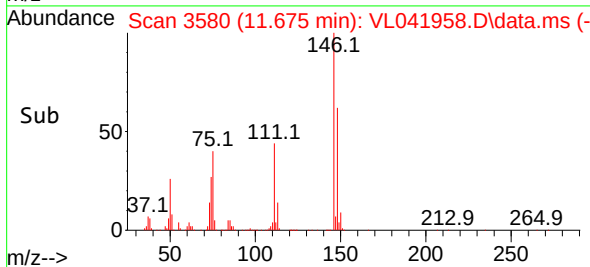
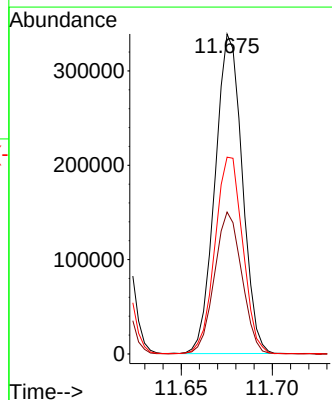
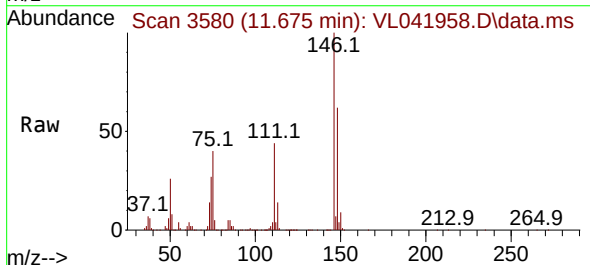
Instrument :  
MSVOA\_L  
ClientSampleId :

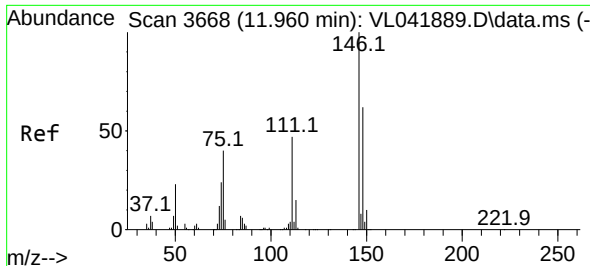
Tgt Ion:146 Resp: 357966  
Ion Ratio Lower Upper  
146 100  
111 45.9 23.6 70.8  
148 63.0 31.4 94.0



#76  
1,4-Dichlorobenzene  
Concen: 11.500 ppbv  
RT: 11.675 min Scan# 3580  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion:146 Resp: 352145  
Ion Ratio Lower Upper  
146 100  
111 44.8 22.4 67.0  
148 63.2 31.9 95.5

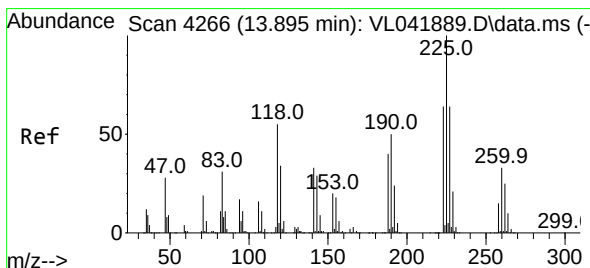
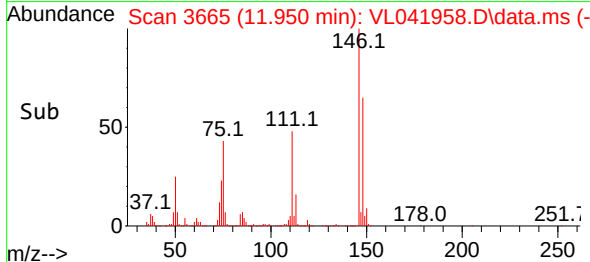
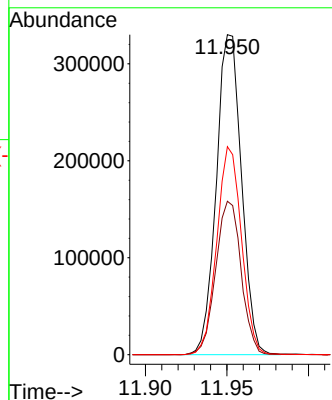
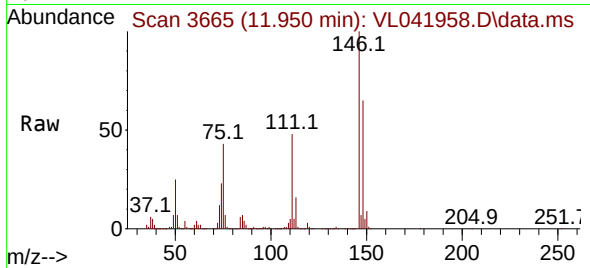




#77  
1,2-Dichlorobenzene  
Concen: 11.457 ppbv  
RT: 11.950 min Scan# 3665  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

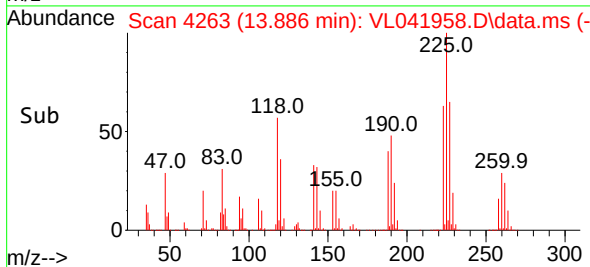
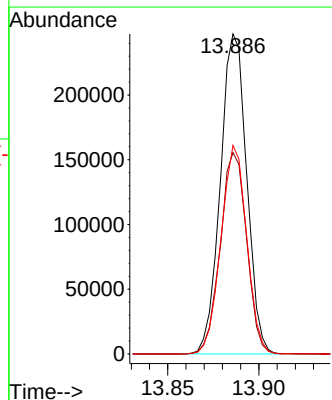
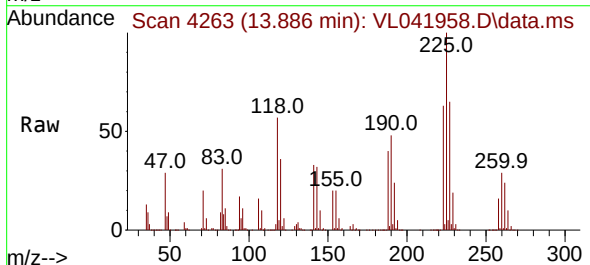
Instrument :  
MSVOA\_L  
ClientSampleId :

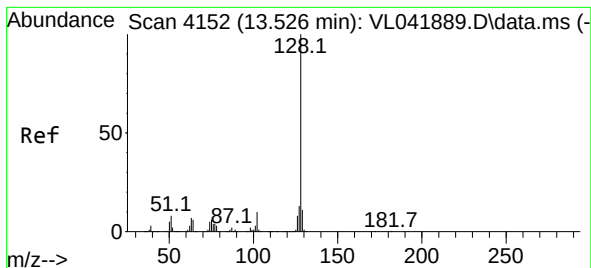
Tgt Ion:146 Resp: 355386  
Ion Ratio Lower Upper  
146 100  
111 48.3 24.2 72.6  
148 63.6 31.7 95.1



#78  
Hexachloro-1,3-Butadiene  
Concen: 9.729 ppbv  
RT: 13.886 min Scan# 4263  
Delta R.T. -0.009 min  
Lab File: VL041958.D  
Acq: 03 Feb 2025 10:48

Tgt Ion:225 Resp: 247691  
Ion Ratio Lower Upper  
225 100  
223 63.0 50.8 76.2  
227 63.8 50.3 75.5





#79

Naphthalene

Concen: 10.407 ppbv

RT: 13.517 min Scan# 4152

Delta R.T. -0.009 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

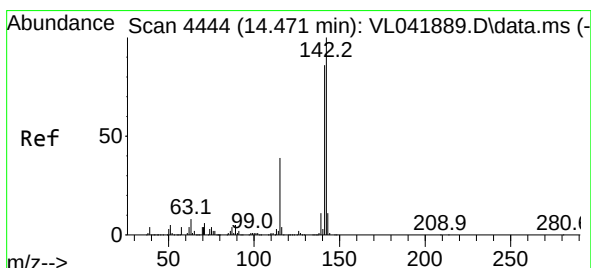
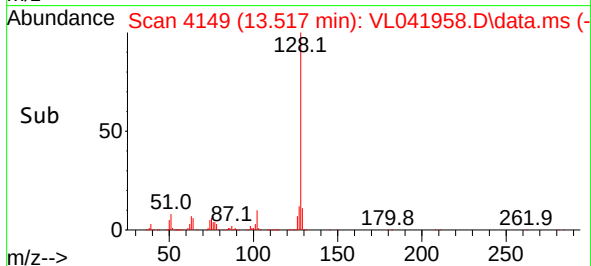
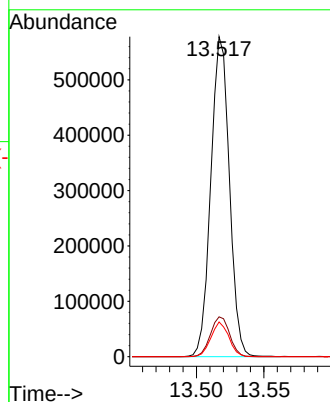
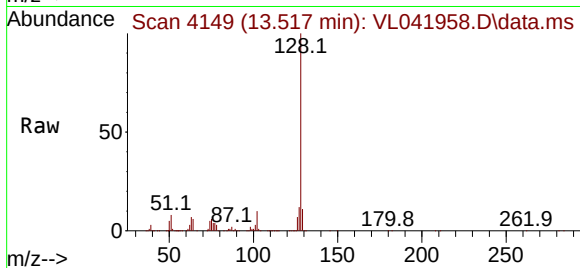
Tgt Ion:128 Resp: 553420

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.8 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 6.894 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. -0.006 min

Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

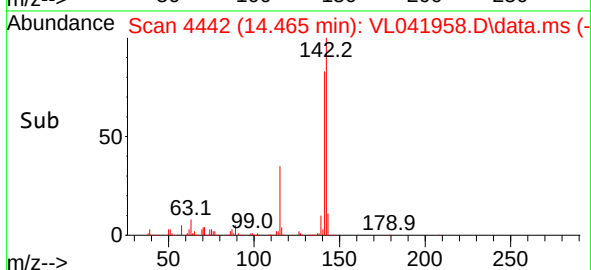
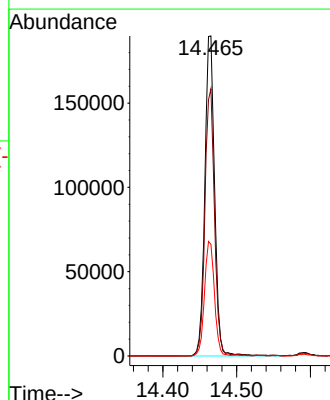
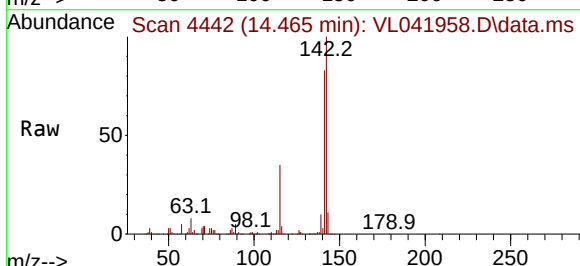
Tgt Ion:142 Resp: 173813

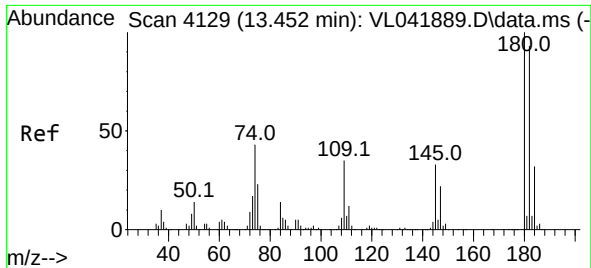
Ion Ratio Lower Upper

142 100

141 82.6 68.1 102.1

115 37.0 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 9.671 ppbv

RT: 13.446 min Scan# 41

Delta R.T. -0.006 min

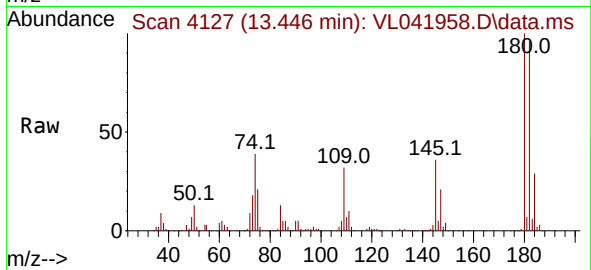
Lab File: VL041958.D

Acq: 03 Feb 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:180 Resp: 251038

Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.6

184 29.7 24.9 37.3

