

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081224\  
 Data File : VL041527.D  
 Acq On : 12 Aug 2024 8:46  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Aug 13 02:09:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Aug 13 02:09:20 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.188  | 49   | 948929   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.651  | 114  | 2600579  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.465 | 117  | 3090471  | 10.000 | ppbv  | # 0.00   |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.773 | 95    | 1870101  | 7.863    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 78.600% |

| Target Compounds              |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.729 | 85  | 997402  | 6.110  | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 2.674 | 51  | 1138655 | 10.080 | ppbv   | 99     |
| 4) Chloromethane              | 2.812 | 50  | 619455  | 10.310 | ppbv   | 96     |
| 5) Vinyl Chloride             | 2.922 | 62  | 621840  | 10.500 | ppbv   | 99     |
| 6) Bromomethane               | 3.121 | 94  | 324573  | 10.663 | ppbv   | 99     |
| 7) Chloroethane               | 3.198 | 64  | 211114  | 10.329 | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 2.857 | 85  | 1418259 | 9.805  | ppbv   | 98     |
| 9) Propene                    | 2.693 | 41  | 519155  | 10.004 | ppbv   | 100    |
| 10) Heptane                   | 7.577 | 43  | 1304292 | 11.186 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.562 | 101 | 1461566 | 10.081 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 4.066 | 101 | 1066072 | 10.212 | ppbv   | 99     |
| 13) Ethanol                   | 3.243 | 45  | 22169   | 4.780  | ppbv # | 51     |
| 14) Bromoethene               | 3.365 | 108 | 425269  | 10.449 | ppbv   | 97     |
| 15) Acetone                   | 3.468 | 43  | 1110391 | 10.299 | ppbv   | 100    |
| 16) 1,3-Butadiene             | 2.986 | 39  | 610988  | 10.607 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 3.877 | 59  | 1169878 | 11.897 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.880 | 96  | 469860  | 10.521 | ppbv   | 98     |
| 19) Isopropyl Alcohol         | 3.574 | 45  | 691176  | 10.965 | ppbv   | 99     |
| 20) Methylene Chloride        | 3.931 | 84  | 392216  | 9.755  | ppbv   | 98     |
| 21) Allyl Chloride            | 3.996 | 41  | 772532  | 10.926 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.443 | 96  | 500475  | 11.208 | ppbv   | 99     |
| 23) Vinyl Acetate             | 4.626 | 43  | 987621  | 11.994 | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 4.561 | 63  | 1050452 | 10.834 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.201 | 43  | 2334339 | 10.898 | ppbv   | 100    |
| 26) Hexane                    | 5.211 | 57  | 965613  | 10.867 | ppbv   | 99     |
| 27) Carbon Disulfide          | 4.124 | 76  | 1148948 | 11.053 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 4.584 | 73  | 620342  | 11.071 | ppbv   | 99     |
| 29) Chloroform                | 5.272 | 83  | 1516034 | 10.460 | ppbv   | 97     |
| 30) Cyclohexane               | 6.600 | 84  | 825630  | 11.410 | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 5.076 | 61  | 946511  | 10.783 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.002 | 97  | 1493406 | 10.586 | ppbv   | 100    |
| 34) 2-Butanone                | 4.783 | 43  | 1378498 | 10.958 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 6.494 | 117 | 1559323 | 10.871 | ppbv   | 100    |
| 36) Benzene                   | 6.368 | 78  | 2053064 | 10.804 | ppbv   | 100    |
| 37) 1,2-Dichloroethane        | 5.806 | 62  | 1149797 | 10.811 | ppbv   | 100    |
| 38) Trichloroethene           | 7.291 | 130 | 948439  | 10.895 | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 7.073 | 63  | 790468  | 10.865 | ppbv   | 100    |
| 40) 1,4-Dioxane               | 7.288 | 88  | 315670  | 10.801 | ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.555 | 42  | 838835  | 11.659 | ppbv   | 98     |
| 42) Bromodichloromethane      | 7.249 | 83  | 1668411 | 10.864 | ppbv   | 98     |
| 43) Methyl Methacrylate       | 7.475 | 69  | 808557  | 11.866 | ppbv   | 96     |
| 44) 2,2,4-Trimethylpentane    | 7.327 | 57  | 3460189 | 10.902 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 8.709 | 75  | 835718  | 13.325 | ppbv   | 98     |

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 Acq On : 12 Aug 2024 8:46  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

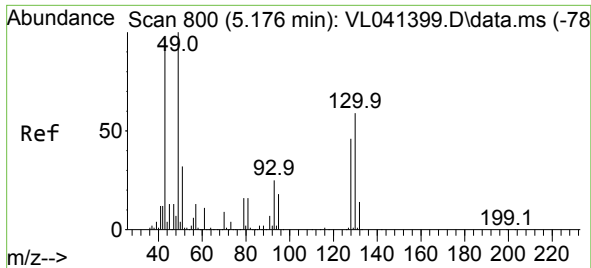
Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Aug 13 02:09:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Aug 13 02:09:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.143  | 75   | 1117986  | 12.344 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 8.899  | 97   | 846976   | 10.562 | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.709  | 129  | 1435054  | 11.108 | ppbv   | 99       |
| 49) Bromoform                 | 12.407 | 173  | 1244113  | 11.401 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.179  | 43   | 2281073  | 11.493 | ppbv   | 99       |
| 51) 2-Hexanone                | 9.548  | 43   | 1863230  | 12.415 | ppbv   | 99       |
| 52) Tetrachloroethene         | 10.609 | 164  | 774992   | 10.555 | ppbv   | 96       |
| 53) Toluene                   | 9.220  | 91   | 2400814  | 11.343 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.005 | 107  | 1243024  | 11.646 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.507 | 131  | 1053113  | 8.787  | ppbv # | 55       |
| 57) Chlorobenzene             | 11.523 | 112  | 1877092  | 8.531  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.085 | 91   | 3229692  | 9.067  | ppbv   | 98       |
| 59) m/p-Xylene                | 12.371 | 91   | 2966831  | 9.648  | ppbv # | 40       |
| 60) o-Xylene                  | 13.056 | 91   | 2634952  | 9.058  | ppbv   | 99       |
| 61) Styrene                   | 12.896 | 104  | 1285721  | 9.797  | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.027 | 105  | 3824563  | 8.649  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.043 | 83   | 1605022  | 8.738  | ppbv   | 99       |
| 64) n-propylbenzene           | 14.912 | 120  | 1036299  | 8.964  | ppbv   | 97       |
| 65) tert-Butylbenzene         | 16.088 | 119  | 3458283  | 8.658  | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.326 | 91   | 278383   | 10.866 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 16.635 | 105  | 4833640  | 8.784  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 16.992 | 119  | 4069168  | 8.911  | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.883 | 91   | 4208009  | 8.989  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 14.799 | 91   | 2902468  | 8.900  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.188 | 105  | 3172041  | 9.262  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.346 | 105  | 2711766  | 9.192  | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 16.104 | 105  | 3037676  | 8.856  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.326 | 146  | 1883631  | 8.736  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.471 | 146  | 1835391  | 8.791  | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 17.140 | 146  | 1832533  | 8.574  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.631 | 225  | 1390607  | 7.629  | ppbv   | 100      |
| 79) Naphthalene               | 21.381 | 128  | 3085623  | 10.192 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.368 | 142  | 2619024  | 10.320 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.133 | 180  | 1625845  | 9.025  | ppbv   | 100      |

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

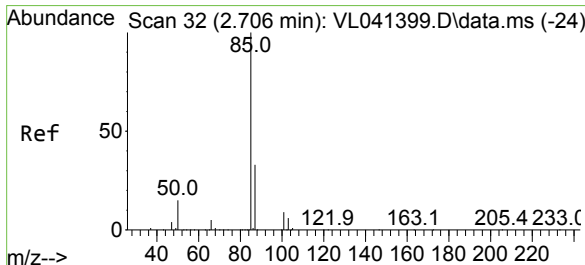
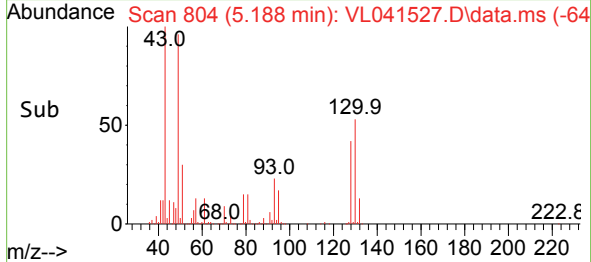
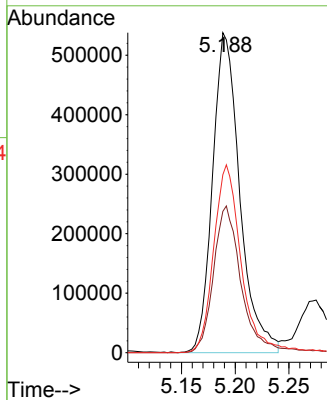
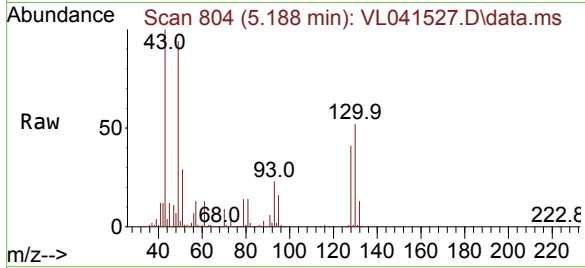




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.188 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

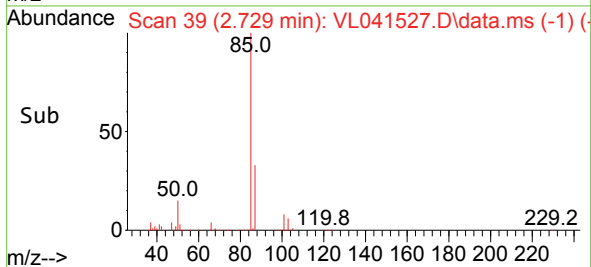
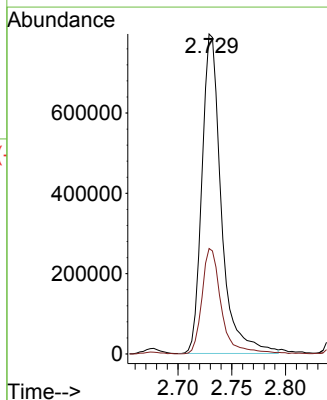
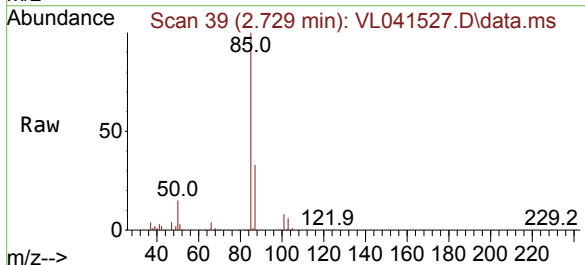
Instrument :  
MSVOA\_L  
ClientSampleId :

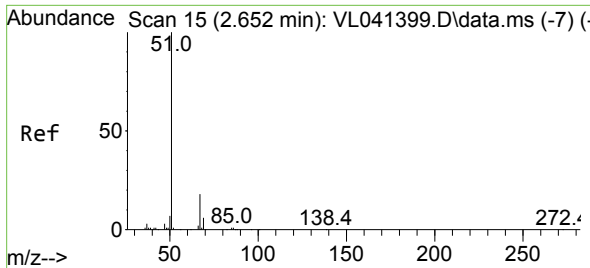
Tgt Ion: 49 Resp: 948929  
Ion Ratio Lower Upper  
49 100  
128 47.3 23.8 71.4  
130 60.7 30.8 92.4



#2  
Dichlorodifluoromethane  
Concen: 6.110 ppbv  
RT: 2.729 min Scan# 39  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion: 85 Resp: 997402  
Ion Ratio Lower Upper  
85 100  
87 32.9 26.0 39.0

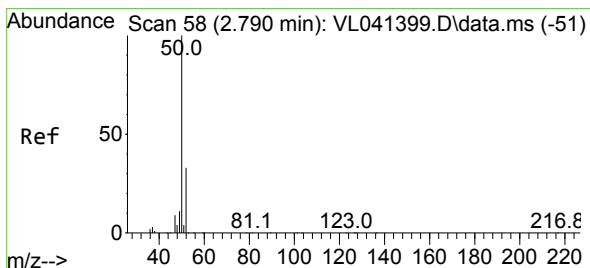
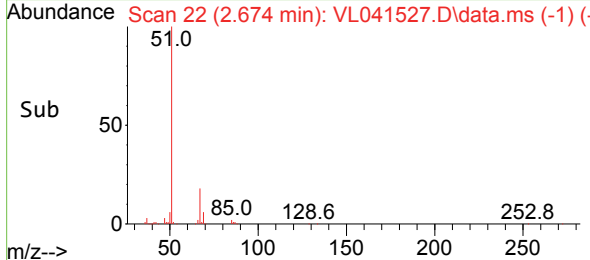
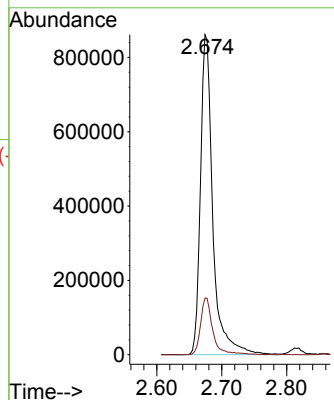
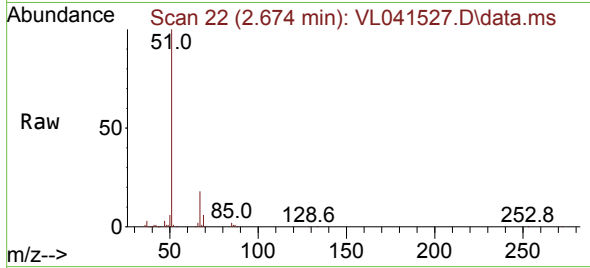




#3  
Chlorodifluoromethane  
Concen: 10.080 ppbv  
RT: 2.674 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

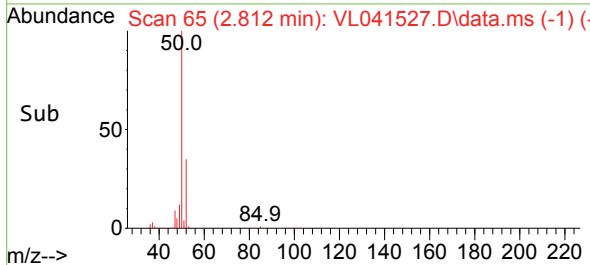
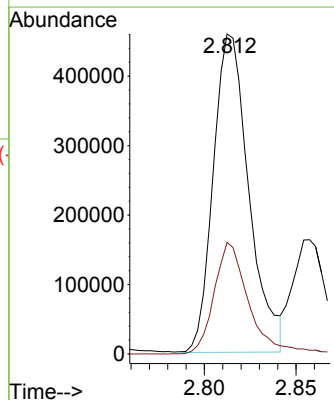
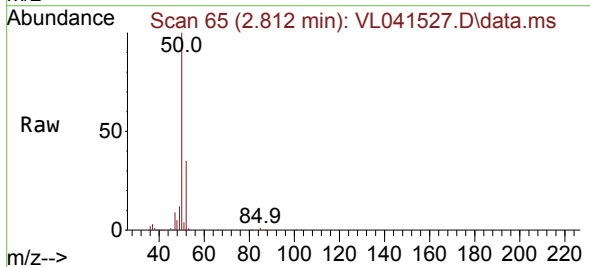
Instrument :  
MSVOA\_L  
ClientSampleId :

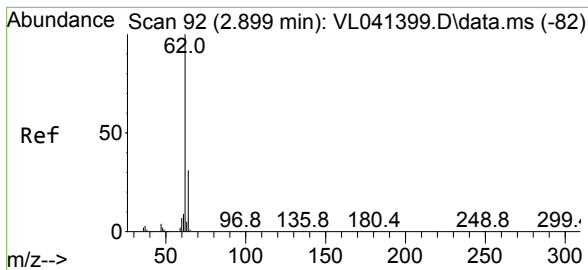
Tgt Ion: 51 Resp: 1138655  
Ion Ratio Lower Upper  
51 100  
67 17.7 14.5 21.7



#4  
Chloromethane  
Concen: 10.310 ppbv  
RT: 2.812 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion: 50 Resp: 619455  
Ion Ratio Lower Upper  
50 100  
52 35.1 26.1 39.1

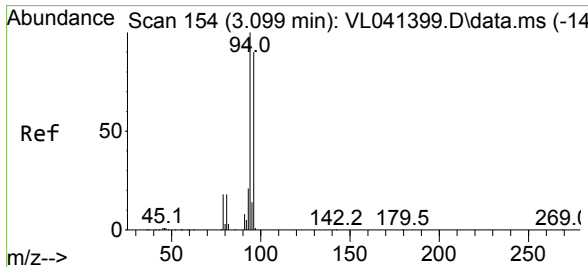
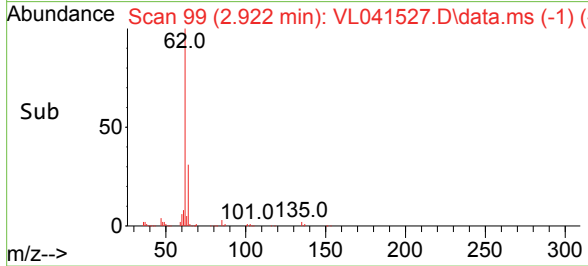
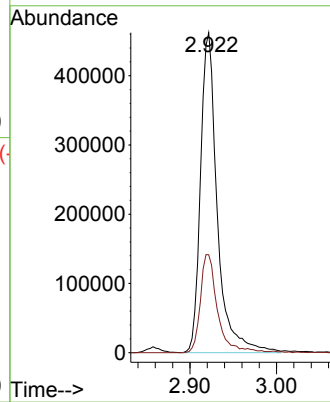
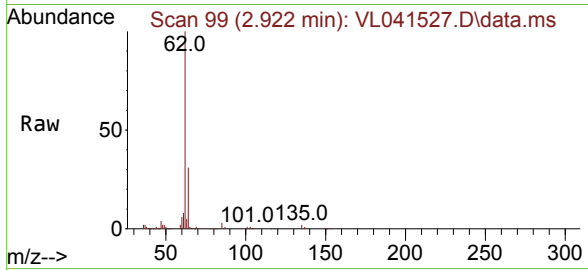




#5  
 Vinyl Chloride  
 Concen: 10.500 ppbv  
 RT: 2.922 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

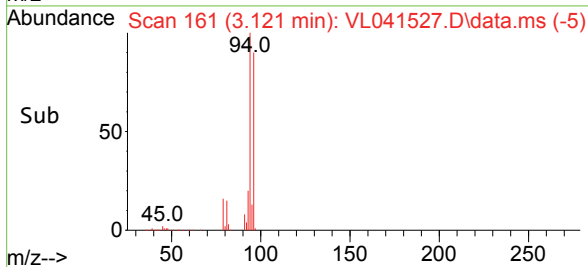
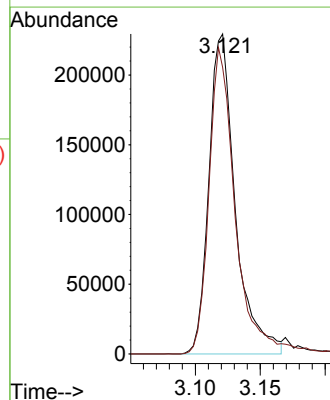
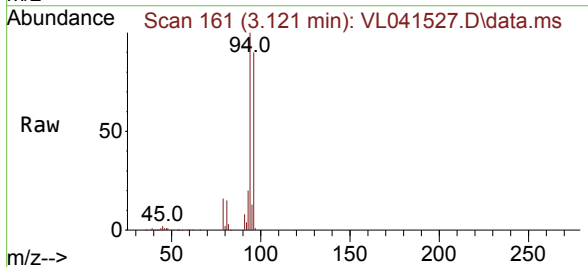
Instrument :  
 MSVOA\_L  
 ClientSampleId :

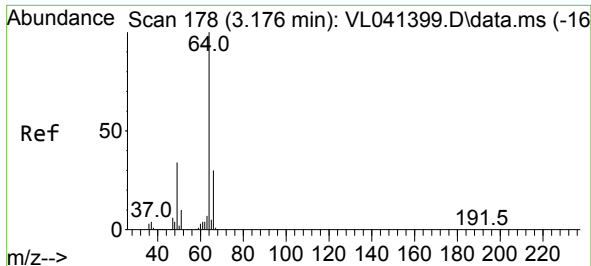
Tgt Ion: 62 Resp: 621840  
 Ion Ratio Lower Upper  
 62 100  
 64 30.6 25.0 37.4



#6  
 Bromomethane  
 Concen: 10.663 ppbv  
 RT: 3.121 min Scan# 161  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

Tgt Ion: 94 Resp: 324573  
 Ion Ratio Lower Upper  
 94 100  
 96 89.6 72.3 108.5

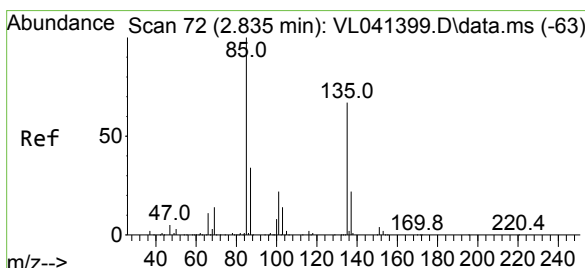
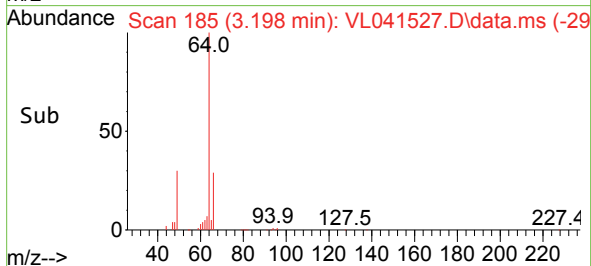
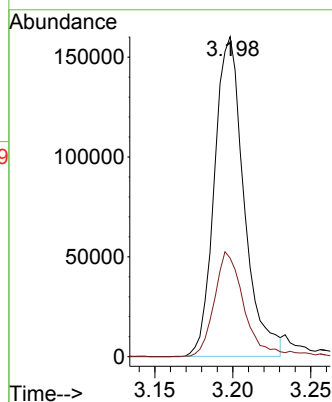
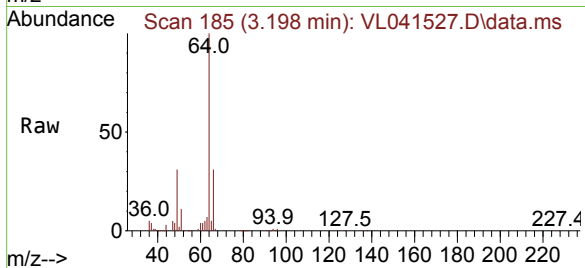




#7  
Chloroethane  
Concen: 10.329 ppbv  
RT: 3.198 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

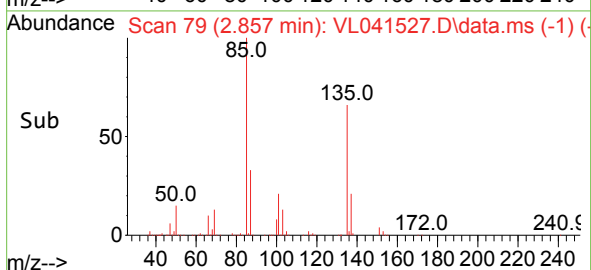
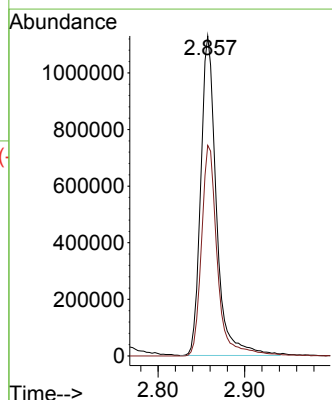
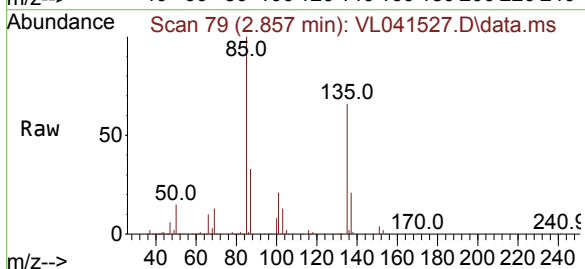
Instrument :  
MSVOA\_L  
ClientSampleId :

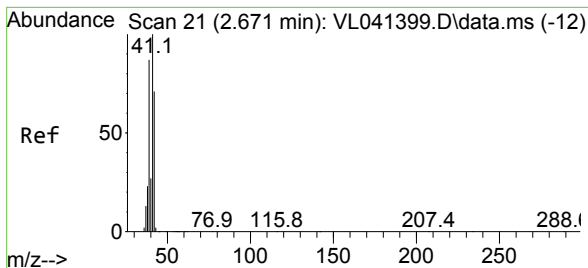
Tgt Ion: 64 Resp: 211114  
Ion Ratio Lower Upper  
64 100  
66 30.8 24.2 36.2



#8  
Dichlorotetrafluoroethane  
Concen: 9.805 ppbv  
RT: 2.857 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion: 85 Resp: 1418259  
Ion Ratio Lower Upper  
85 100  
135 67.4 55.4 83.0





#9

Propene

Concen: 10.004 ppbv

RT: 2.693 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

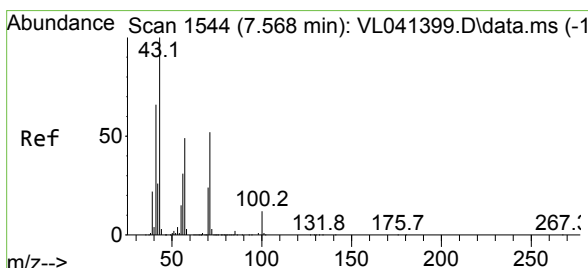
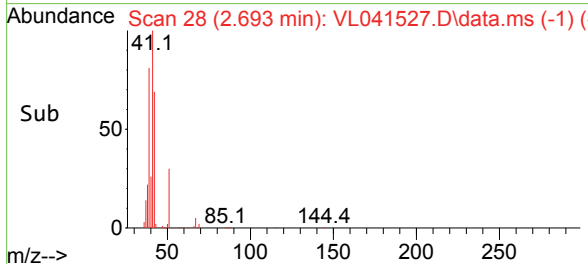
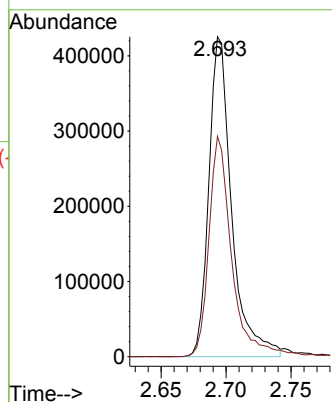
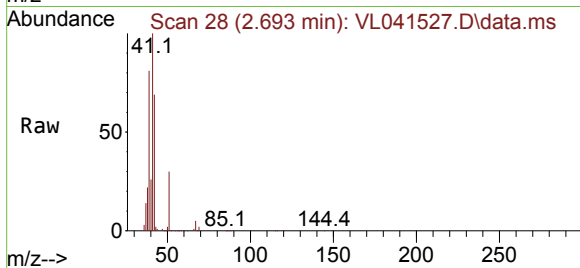
ClientSampleId :

Tgt Ion: 41 Resp: 519155

Ion Ratio Lower Upper

41 100

42 69.7 55.9 83.9



#10

Heptane

Concen: 11.186 ppbv

RT: 7.577 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VL041527.D

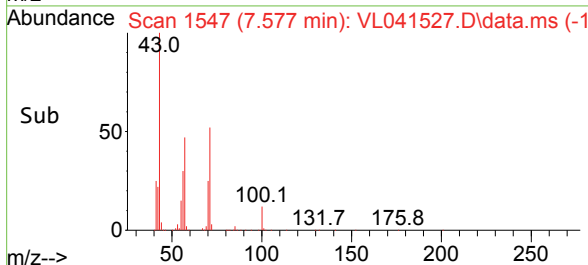
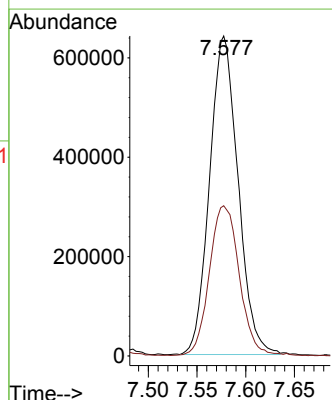
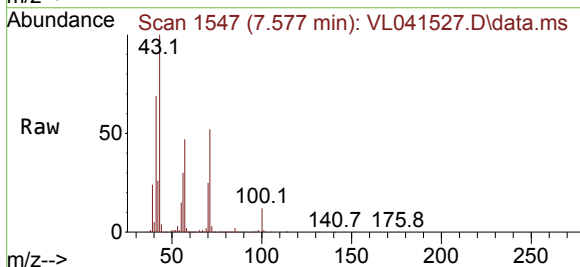
Acq: 12 Aug 2024 8:46

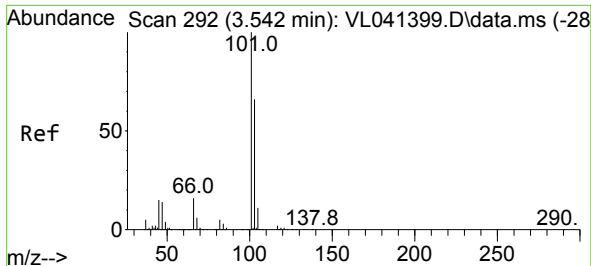
Tgt Ion: 43 Resp: 1304292

Ion Ratio Lower Upper

43 100

57 49.6 40.5 60.7

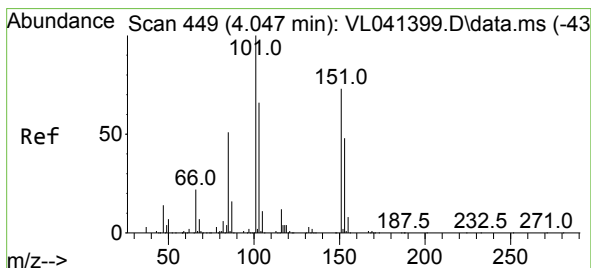
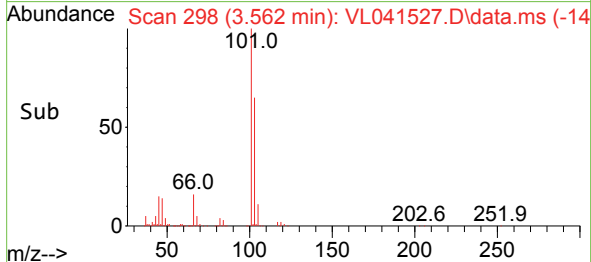
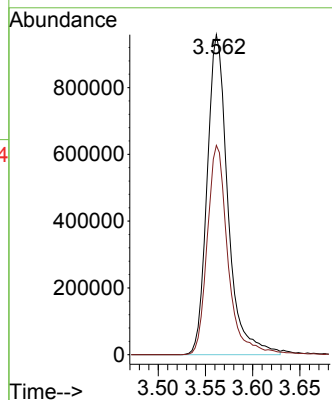
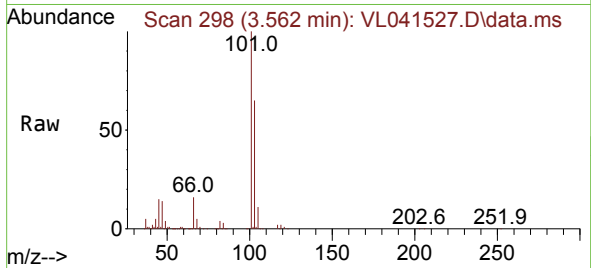




#11  
 Trichlorofluoromethane  
 Concen: 10.081 ppbv  
 RT: 3.562 min Scan# 292  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

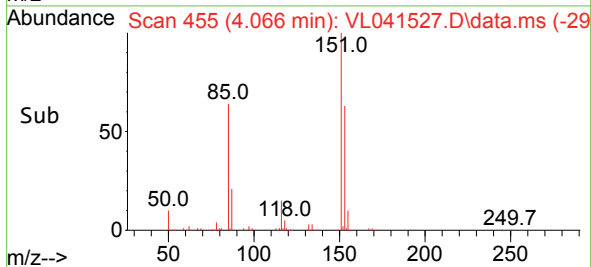
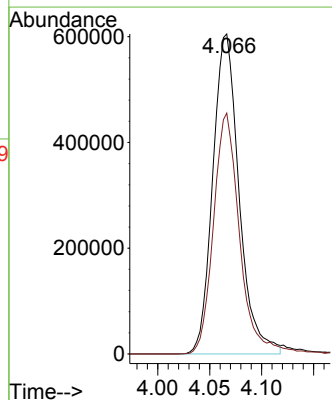
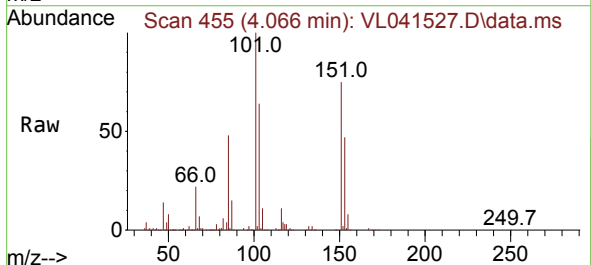
Instrument :  
 MSVOA\_L  
 ClientSampleId :

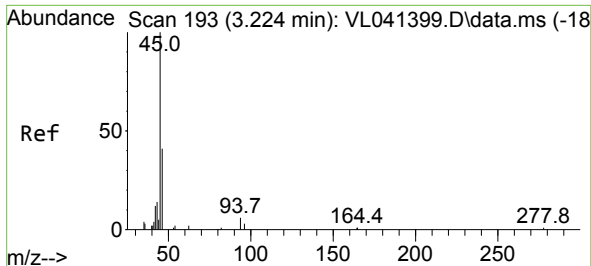
Tgt Ion:101 Resp: 1461566  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 52.6 79.0



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.212 ppbv  
 RT: 4.066 min Scan# 455  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

Tgt Ion:101 Resp: 1066072  
 Ion Ratio Lower Upper  
 101 100  
 151 75.4 59.4 89.2

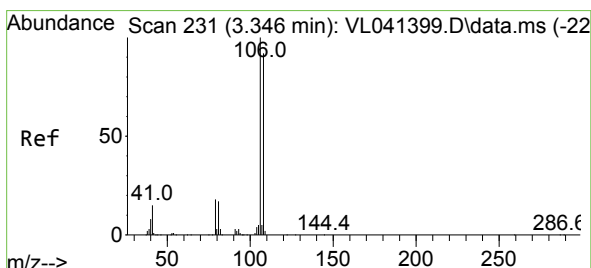
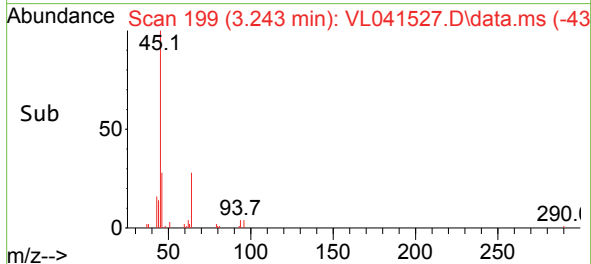
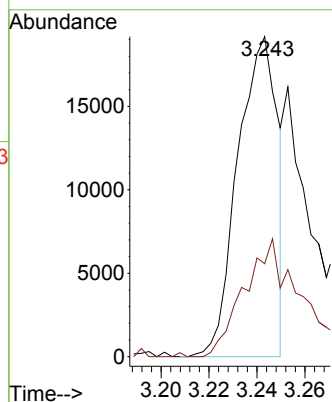
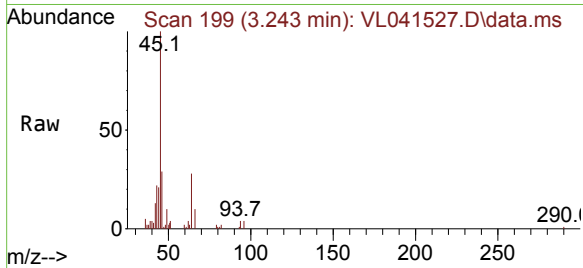




#13  
Ethanol  
Concen: 4.780 ppbv  
RT: 3.243 min Scan# 193  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

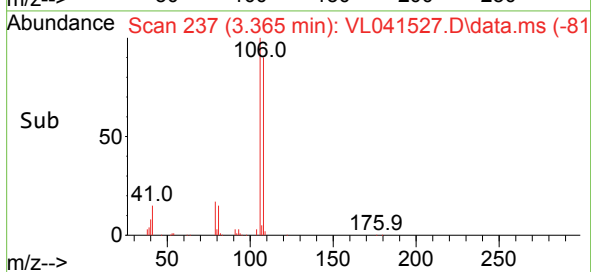
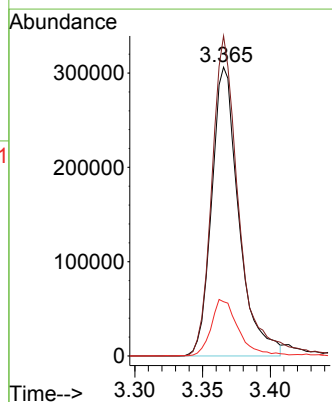
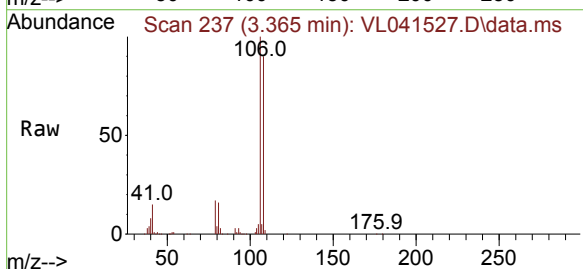
Instrument :  
MSVOA\_L  
ClientSampleId :

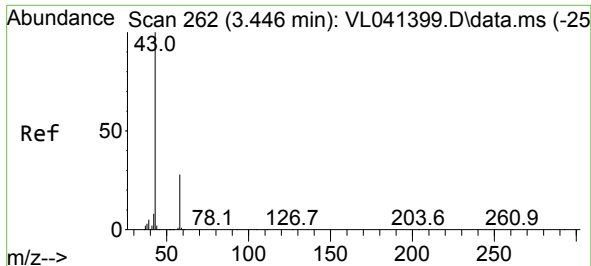
Tgt Ion: 45 Resp: 22169  
Ion Ratio Lower Upper  
45 100  
46 61.4 13.4 53.4#



#14  
Bromoethene  
Concen: 10.449 ppbv  
RT: 3.365 min Scan# 237  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion:108 Resp: 425269  
Ion Ratio Lower Upper  
108 100  
106 111.6 86.9 130.3  
79 20.7 16.2 24.4





#15

Acetone

Concen: 10.299 ppbv

RT: 3.468 min Scan# 2

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

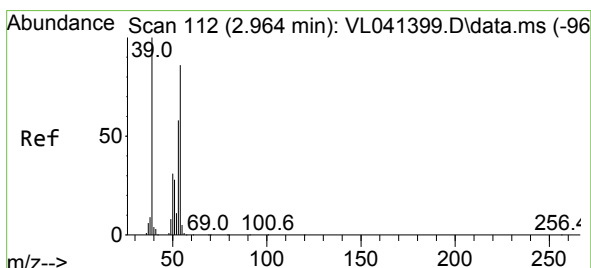
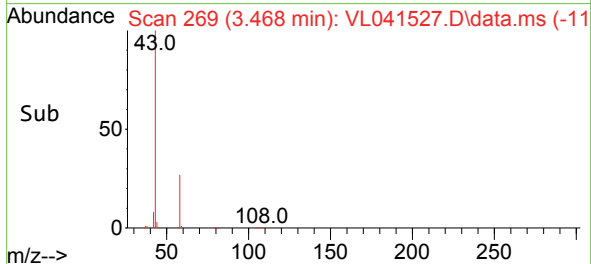
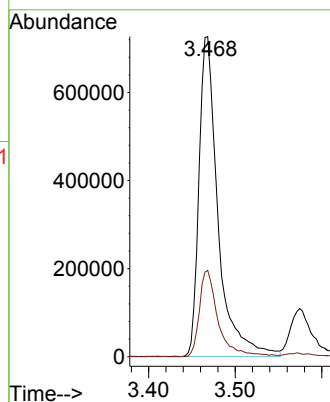
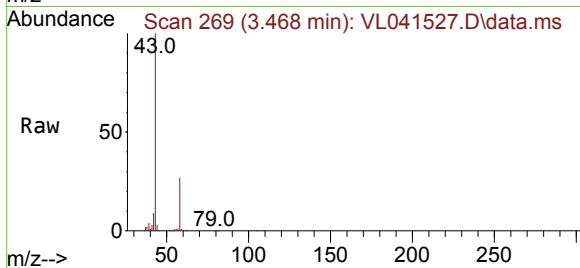
ClientSampleId :

Tgt Ion: 43 Resp: 1110391

Ion Ratio Lower Upper

43 100

58 26.6 21.4 32.2



#16

1,3-Butadiene

Concen: 10.607 ppbv

RT: 2.986 min Scan# 119

Delta R.T. 0.000 min

Lab File: VL041527.D

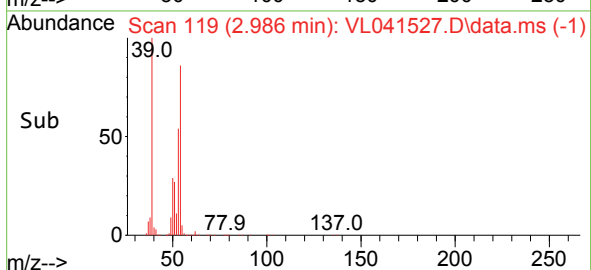
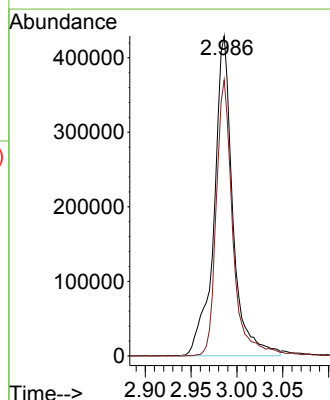
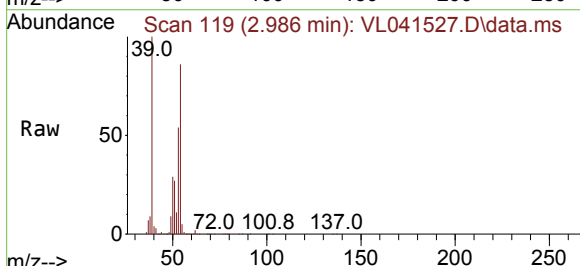
Acq: 12 Aug 2024 8:46

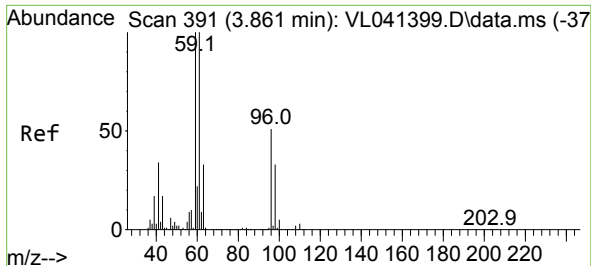
Tgt Ion: 39 Resp: 610988

Ion Ratio Lower Upper

39 100

54 77.1 62.5 93.7

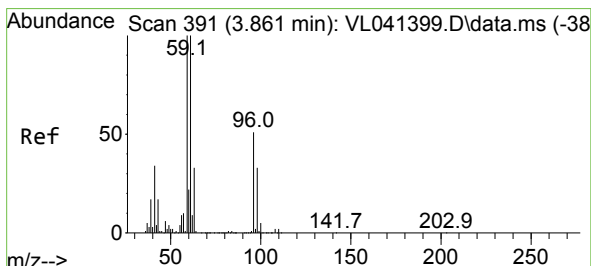
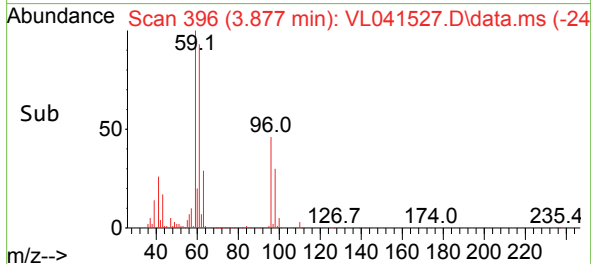
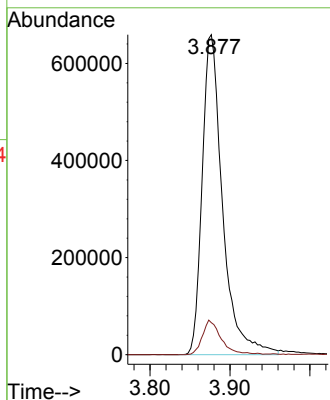
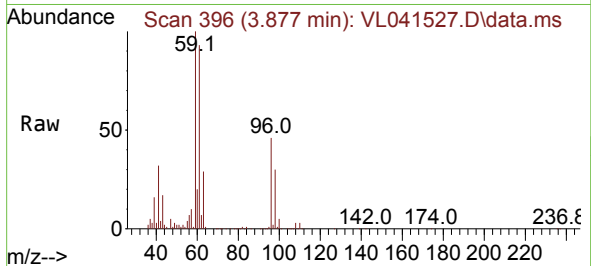




#17  
tert-Butyl alcohol  
Concen: 11.897 ppbv  
RT: 3.877 min Scan# 396  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

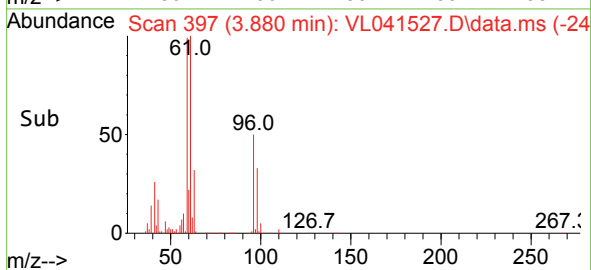
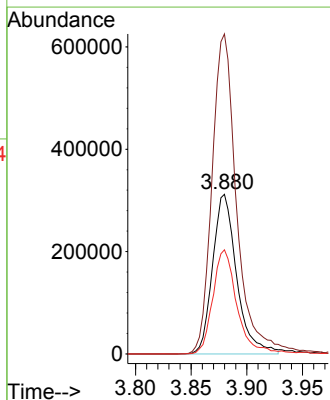
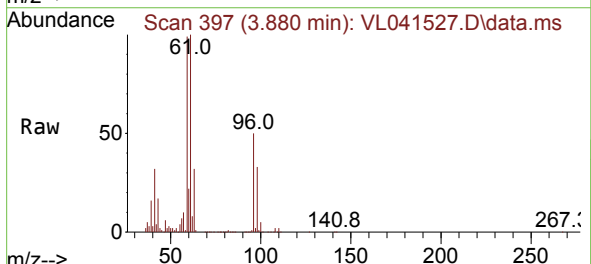
Instrument :  
MSVOA\_L  
ClientSampleId :

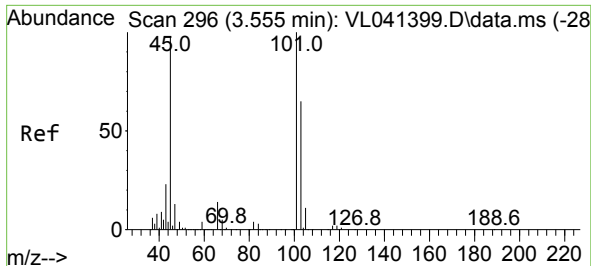
Tgt Ion: 59 Resp: 1169878  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.6 12.8



#18  
1,1-Dichloroethene  
Concen: 10.521 ppbv  
RT: 3.880 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

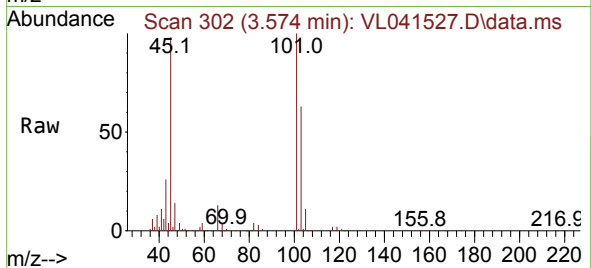
Tgt Ion: 96 Resp: 469860  
Ion Ratio Lower Upper  
96 100  
61 200.5 157.5 236.3  
98 65.3 51.2 76.8



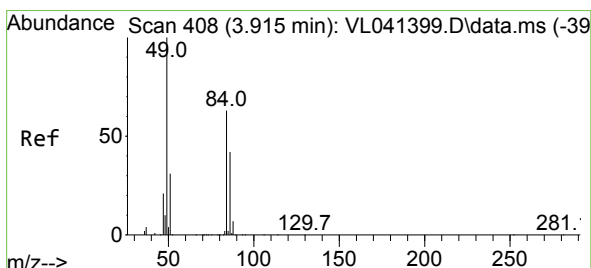
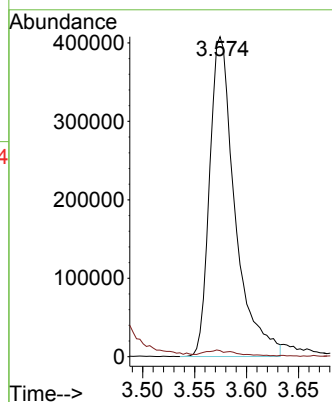
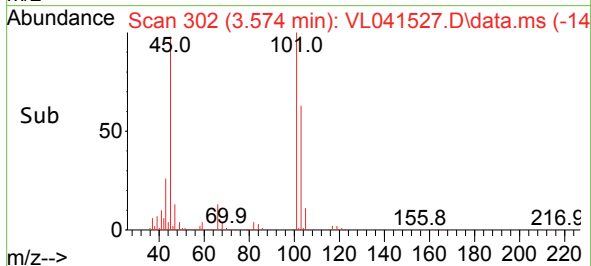


#19  
Isopropyl Alcohol  
Concen: 10.965 ppbv  
RT: 3.574 min Scan# 301  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

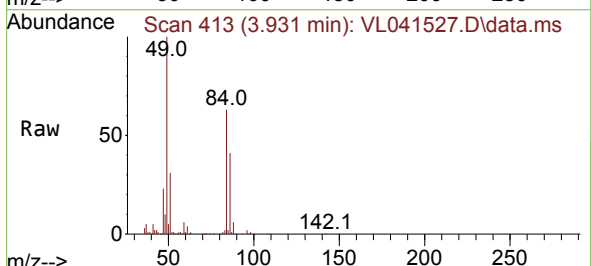
Instrument :  
MSVOA\_L  
ClientSampleId :



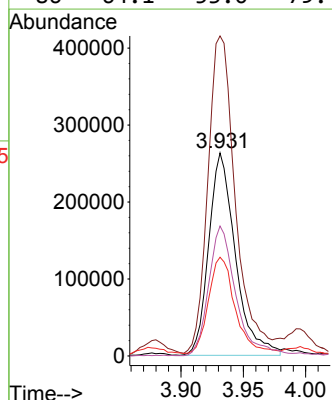
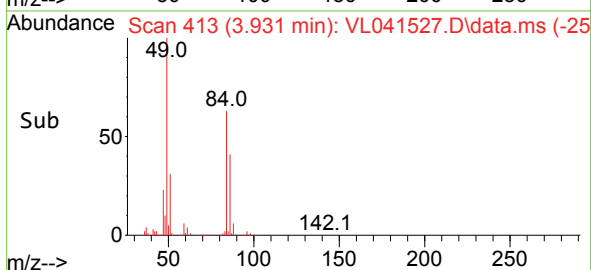
Tgt Ion: 45 Resp: 691176  
Ion Ratio Lower Upper  
45 100  
58 2.9 1.9 2.9

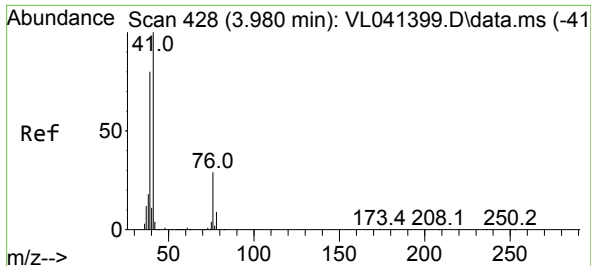


#20  
Methylene Chloride  
Concen: 9.755 ppbv  
RT: 3.931 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46



Tgt Ion: 84 Resp: 392216  
Ion Ratio Lower Upper  
84 100  
49 156.5 126.6 190.0  
51 47.3 38.6 58.0  
86 64.1 53.0 79.4

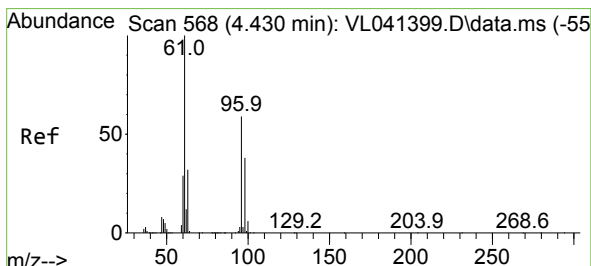
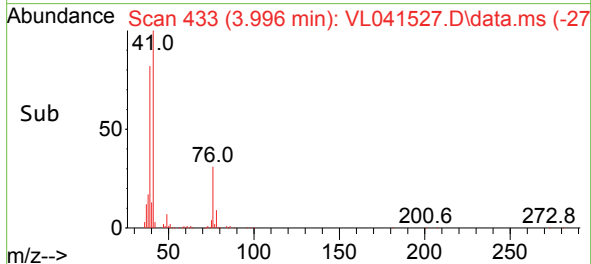
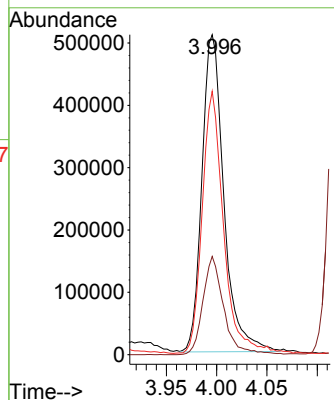
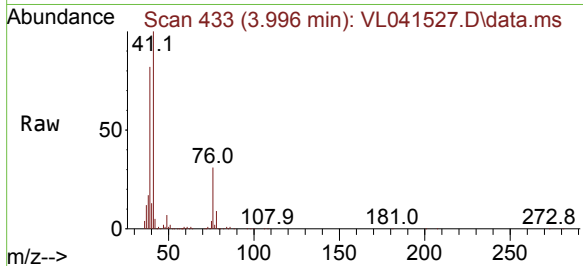




#21  
 Allyl Chloride  
 Concen: 10.926 ppbv  
 RT: 3.996 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

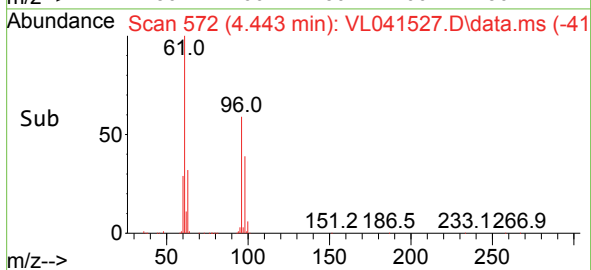
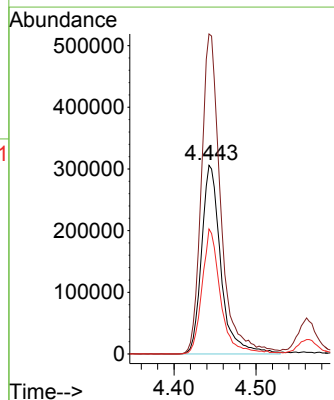
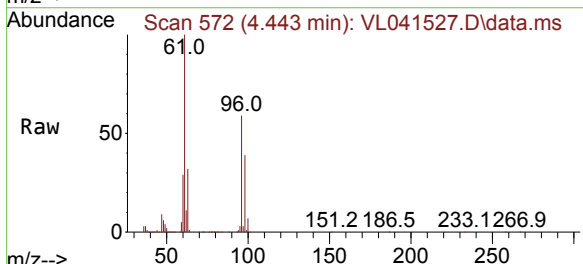
Instrument :  
 MSVOA\_L  
 ClientSampleId :

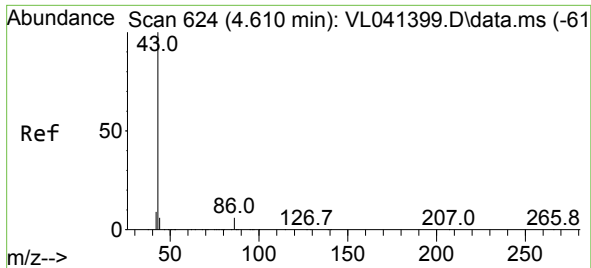
Tgt Ion: 41 Resp: 772532  
 Ion Ratio Lower Upper  
 41 100  
 76 29.3 23.7 35.5  
 39 81.0 64.3 96.5



#22  
 trans-1,2-Dichloroethene  
 Concen: 11.208 ppbv  
 RT: 4.443 min Scan# 572  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

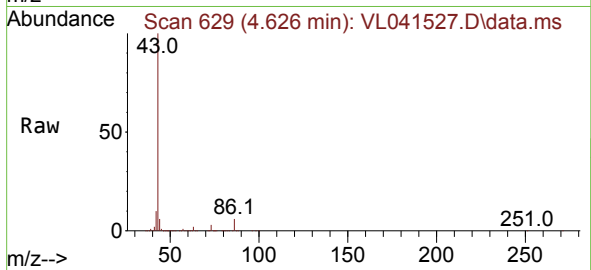
Tgt Ion: 96 Resp: 500475  
 Ion Ratio Lower Upper  
 96 100  
 61 169.5 135.4 203.2  
 98 66.3 51.0 76.4





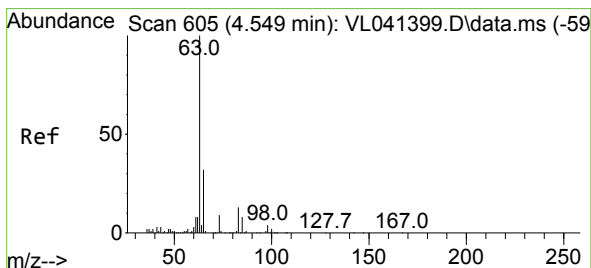
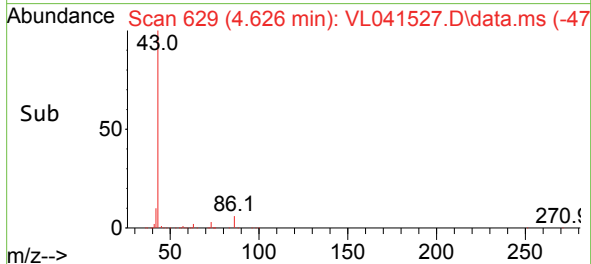
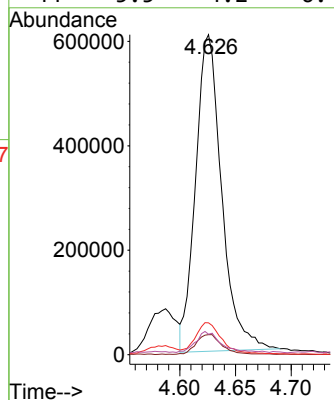
#23  
 Vinyl Acetate  
 Concen: 11.994 ppbv  
 RT: 4.626 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

Instrument :  
 MSVOA\_L  
 ClientSampleId :



Tgt Ion: 43 Resp: 987621

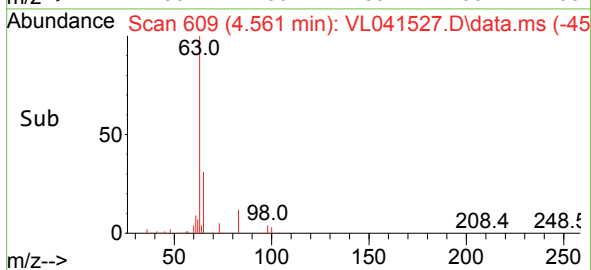
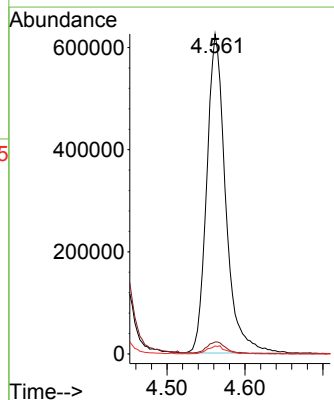
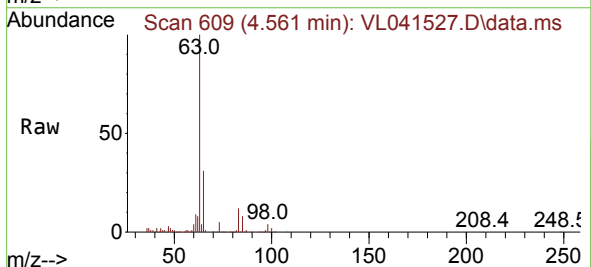
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 6.2   | 4.6   | 6.8   |
| 42  | 9.9   | 7.9   | 11.9  |
| 44  | 5.5   | 4.2   | 6.4   |

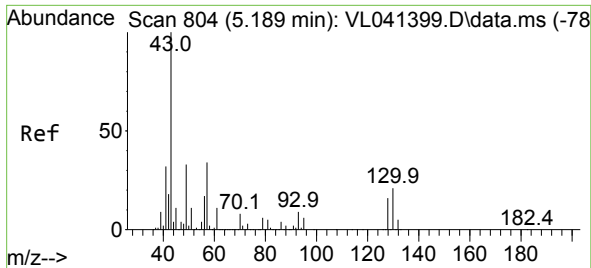


#24  
 1,1-Dichloroethane  
 Concen: 10.834 ppbv  
 RT: 4.561 min Scan# 609  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

Tgt Ion: 63 Resp: 1050452

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.7   | 2.0   | 6.0   |
| 100 | 2.4   | 1.2   | 3.6   |

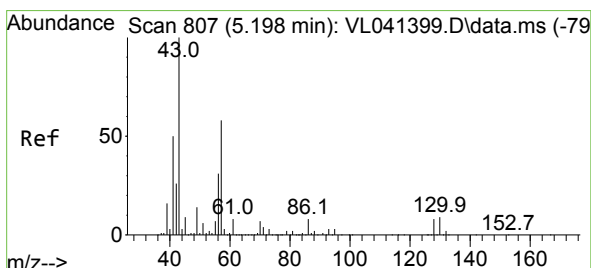
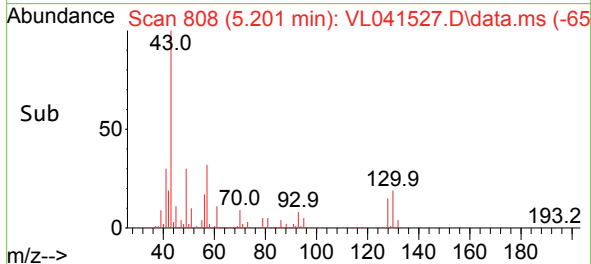
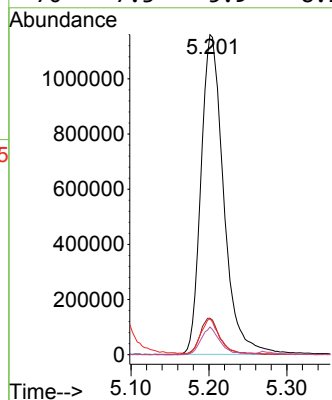
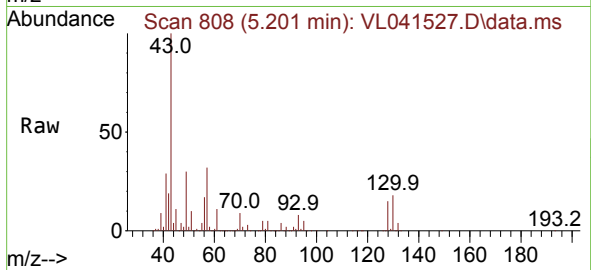




#25  
Ethyl Acetate  
Concen: 10.898 ppbv  
RT: 5.201 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

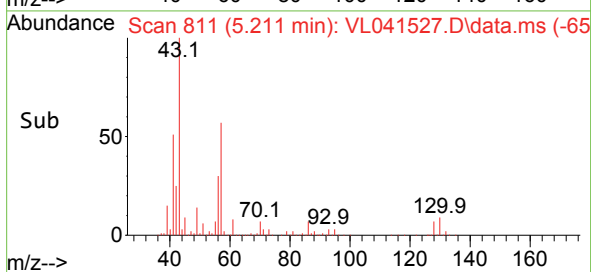
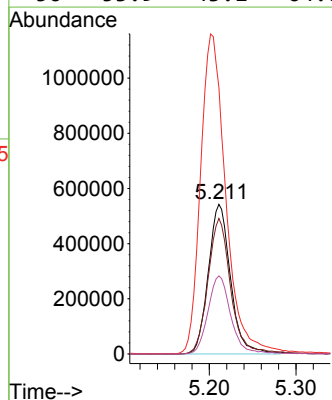
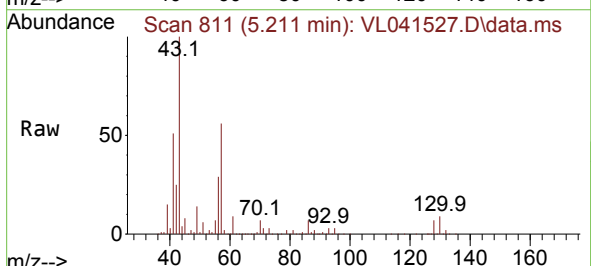
Instrument :  
MSVOA\_L  
ClientSampleId :

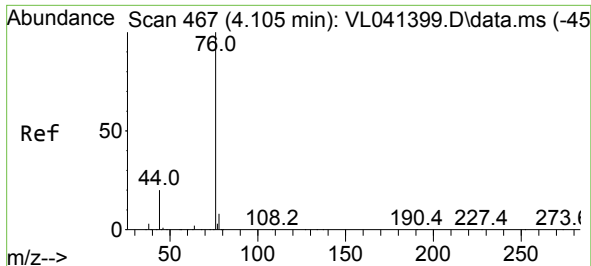
Tgt Ion: 43 Resp: 2334339  
Ion Ratio Lower Upper  
43 100  
45 10.4 8.5 12.7  
61 10.1 8.0 12.0  
70 7.3 5.9 8.9



#26  
Hexane  
Concen: 10.867 ppbv  
RT: 5.211 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion: 57 Resp: 965613  
Ion Ratio Lower Upper  
57 100  
41 93.3 74.0 111.0  
43 244.8 193.6 290.4  
56 53.9 43.1 64.7

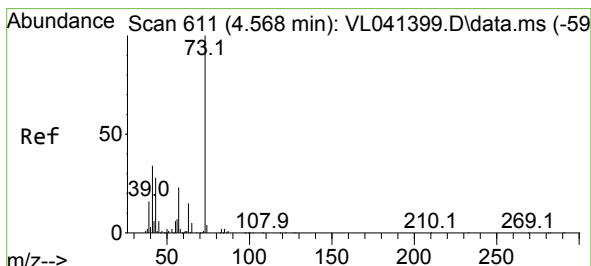
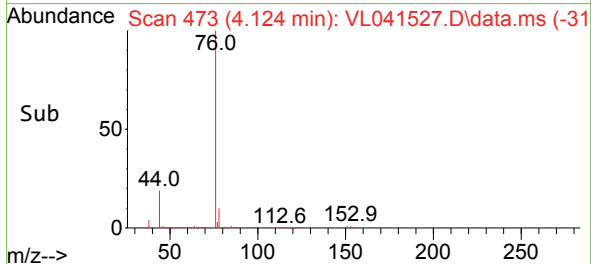
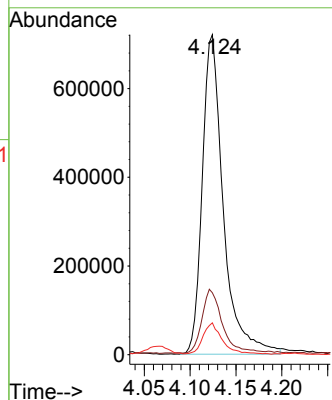
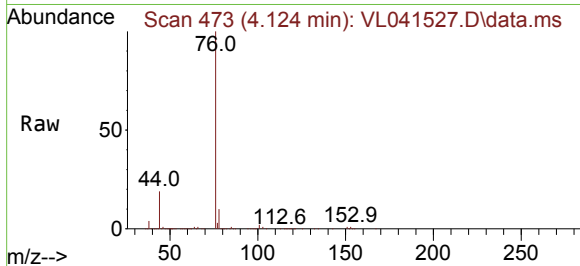




#27  
Carbon Disulfide  
Concen: 11.053 ppbv  
RT: 4.124 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

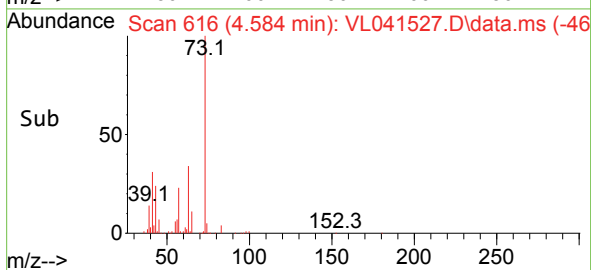
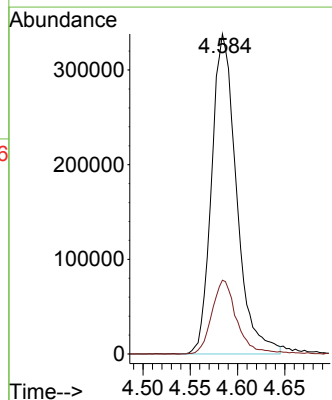
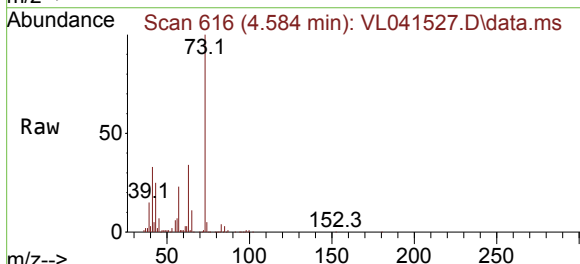
Instrument :  
MSVOA\_L  
ClientSampleId :

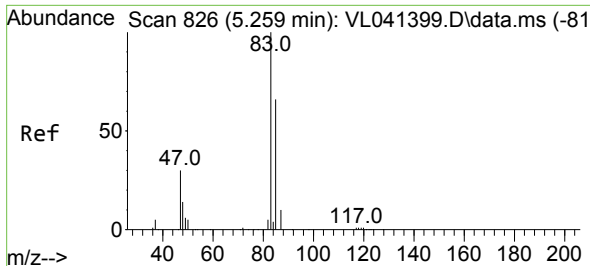
Tgt Ion: 76 Resp: 1148948  
Ion Ratio Lower Upper  
76 100  
44 20.0 15.6 23.4  
78 9.4 7.7 11.5



#28  
Methyl tert-Butyl Ether  
Concen: 11.071 ppbv  
RT: 4.584 min Scan# 616  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion: 73 Resp: 620342  
Ion Ratio Lower Upper  
73 100  
57 23.3 18.9 28.3

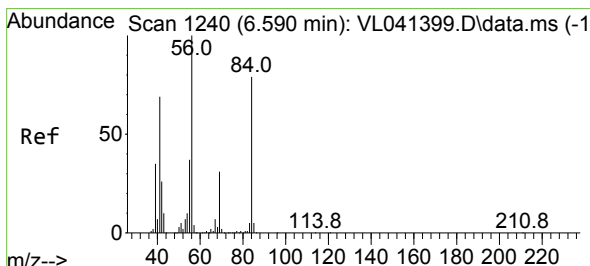
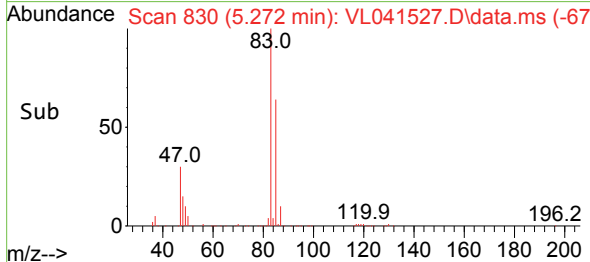
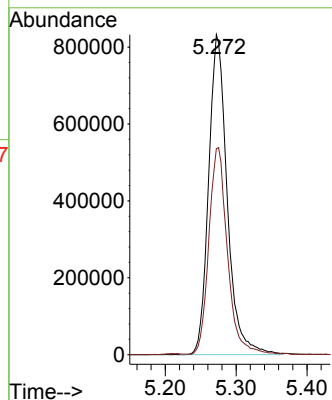
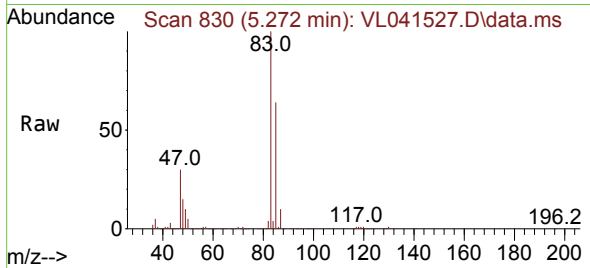




#29  
Chloroform  
Concen: 10.460 ppbv  
RT: 5.272 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

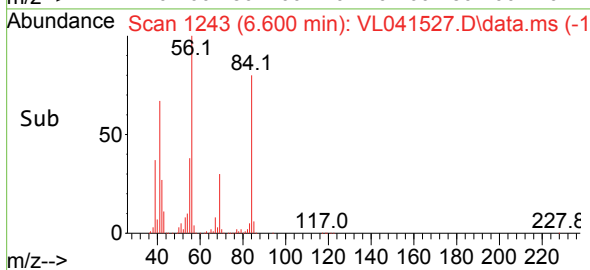
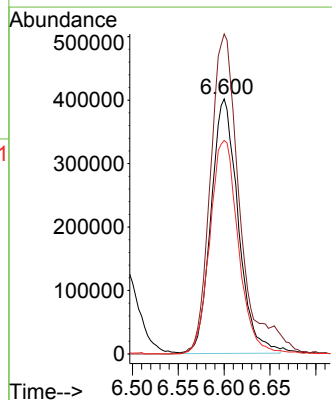
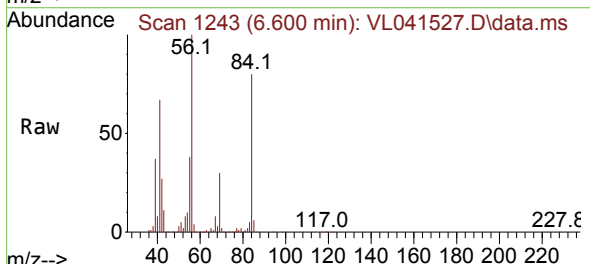
Instrument :  
MSVOA\_L  
ClientSampleId :

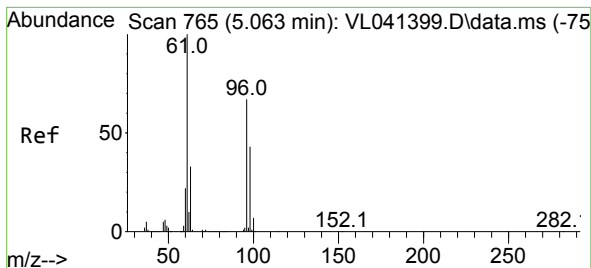
Tgt Ion: 83 Resp: 1516034  
Ion Ratio Lower Upper  
83 100  
85 64.1 53.1 79.7



#30  
Cyclohexane  
Concen: 11.410 ppbv  
RT: 6.600 min Scan# 1243  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion: 84 Resp: 825630  
Ion Ratio Lower Upper  
84 100  
56 136.8 111.2 166.8  
41 88.1 70.3 105.5





#31

cis-1,2-Dichloroethene

Concen: 10.783 ppbv

RT: 5.076 min Scan# 765

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

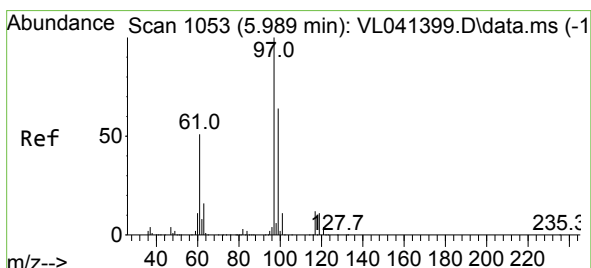
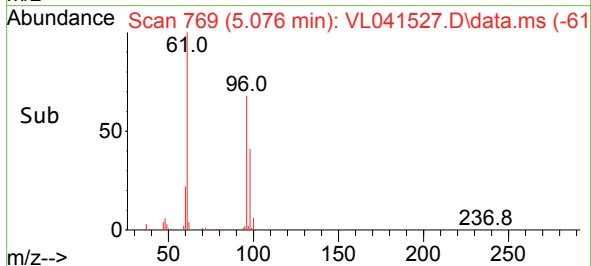
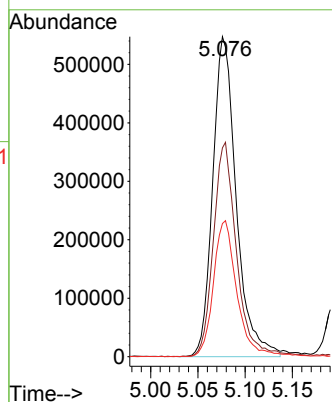
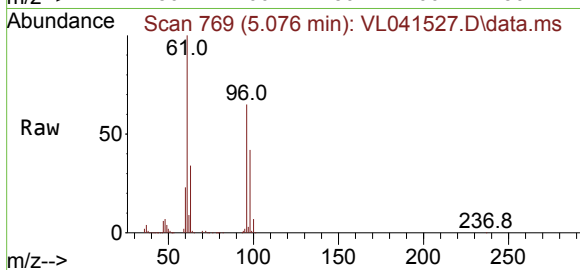
Tgt Ion: 61 Resp: 946511

Ion Ratio Lower Upper

61 100

96 65.2 53.4 80.2

98 41.5 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 10.586 ppbv

RT: 6.002 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

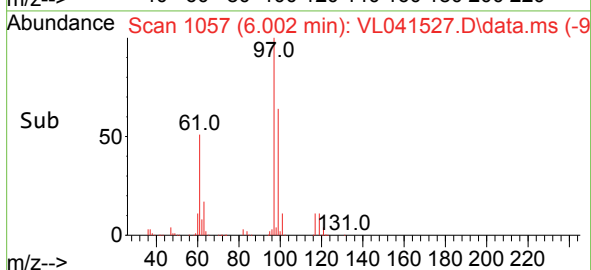
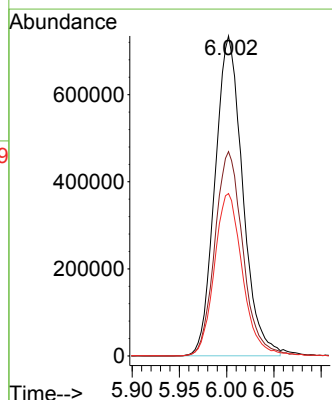
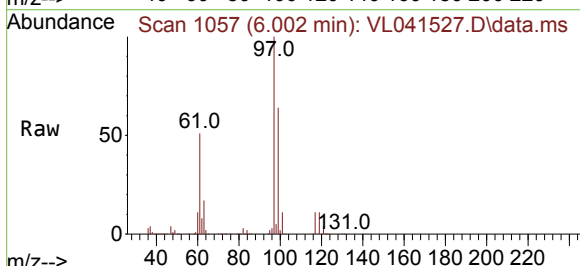
Tgt Ion: 97 Resp: 1493406

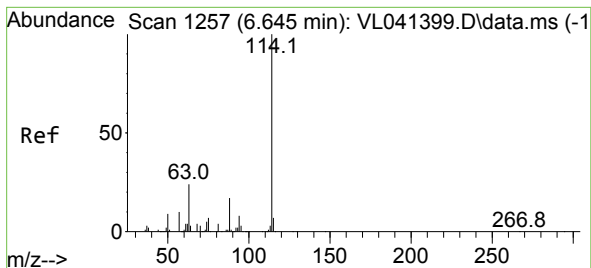
Ion Ratio Lower Upper

97 100

99 65.3 52.0 78.0

61 52.1 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

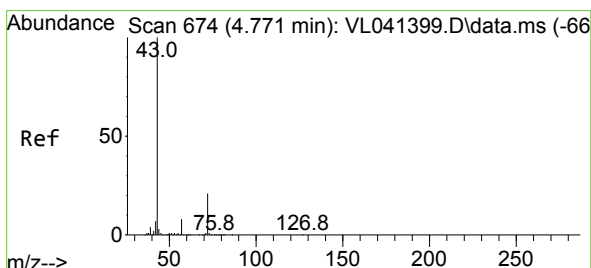
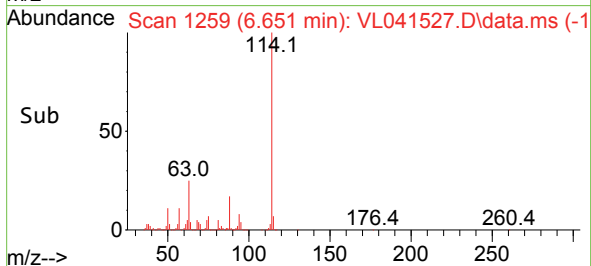
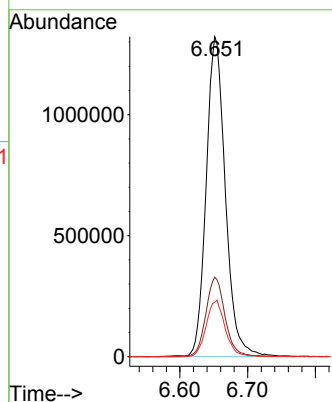
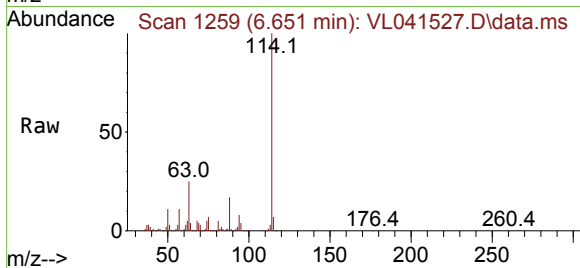
Tgt Ion:114 Resp: 2600579

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 17.5 14.3 21.5



#34

2-Butanone

Concen: 10.958 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.000 min

Lab File: VL041527.D

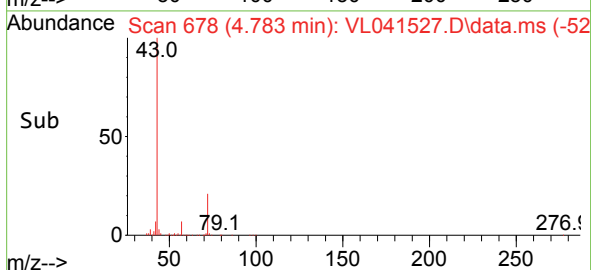
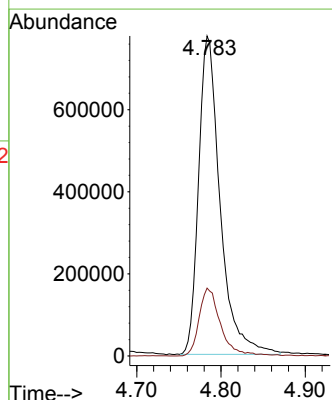
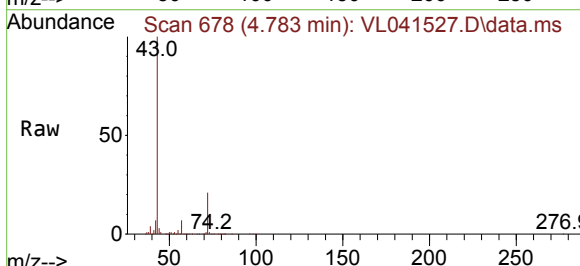
Acq: 12 Aug 2024 8:46

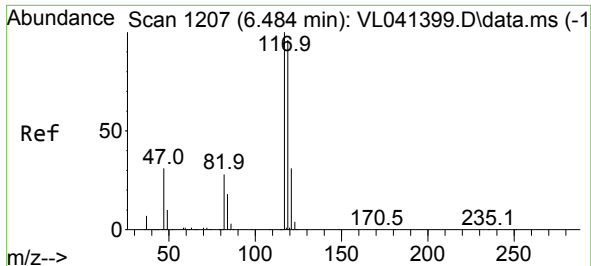
Tgt Ion: 43 Resp: 1378498

Ion Ratio Lower Upper

43 100

72 21.4 17.3 25.9

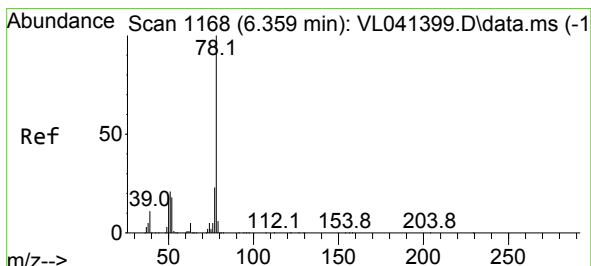
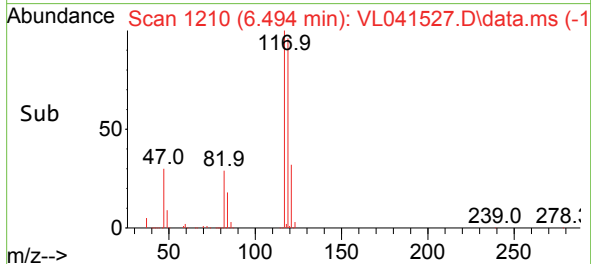
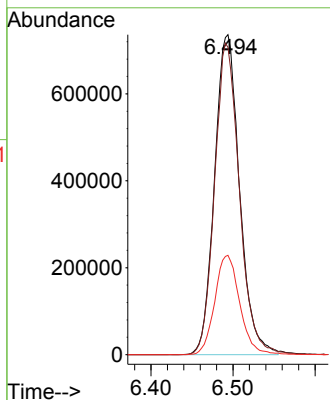
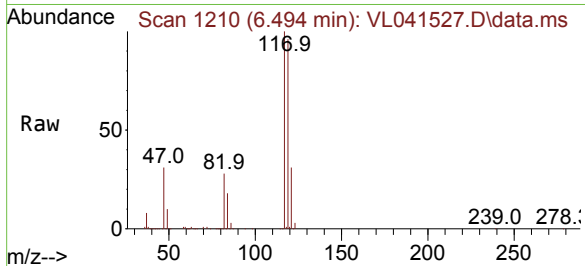




#35  
Carbon Tetrachloride  
Concen: 10.871 ppbv  
RT: 6.494 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

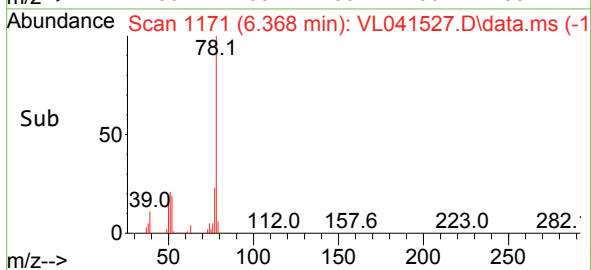
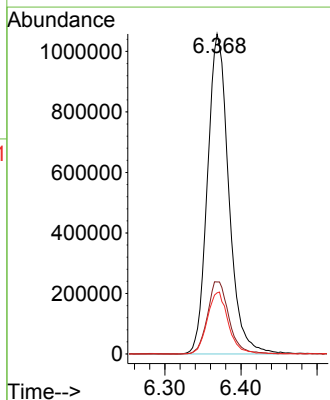
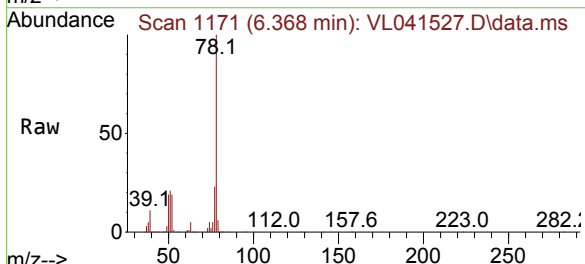
Instrument :  
MSVOA\_L  
ClientSampleId :

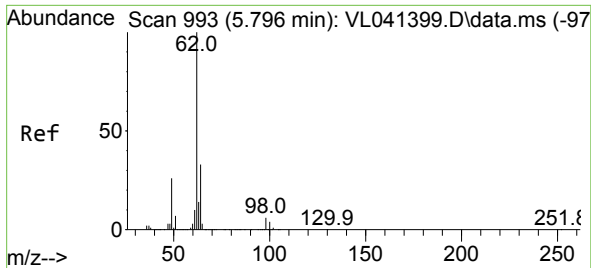
Tgt Ion:117 Resp: 1559323  
Ion Ratio Lower Upper  
117 100  
119 96.0 76.6 115.0  
121 31.1 25.1 37.7



#36  
Benzene  
Concen: 10.804 ppbv  
RT: 6.368 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion: 78 Resp: 2053064  
Ion Ratio Lower Upper  
78 100  
77 22.5 18.1 27.1  
50 19.1 15.5 23.3

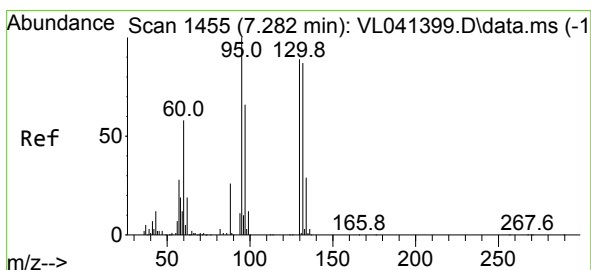
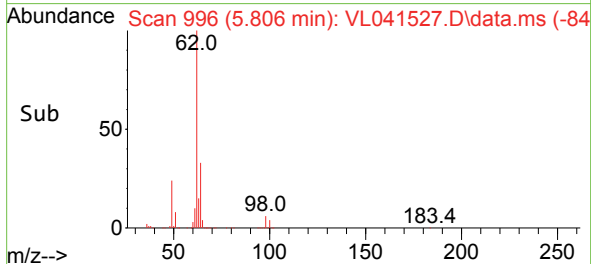
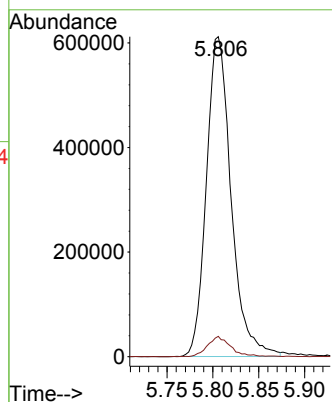
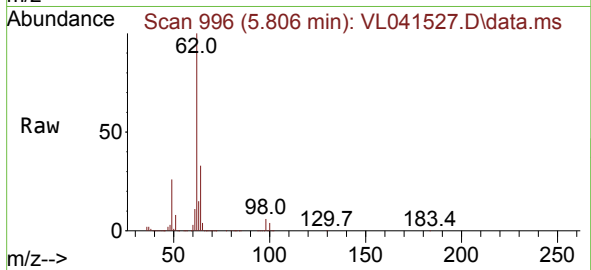




#37  
1,2-Dichloroethane  
Concen: 10.811 ppbv  
RT: 5.806 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

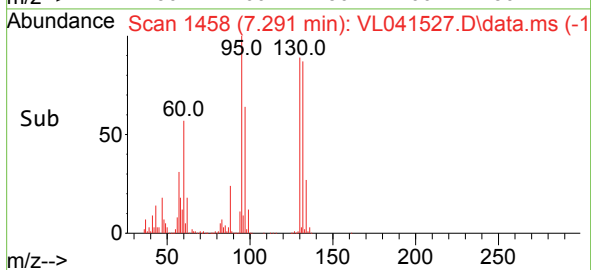
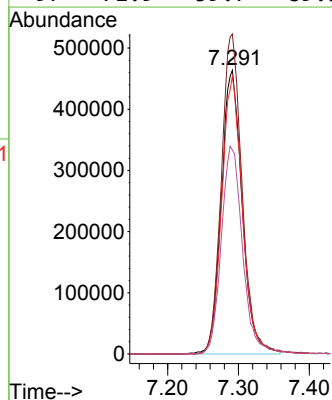
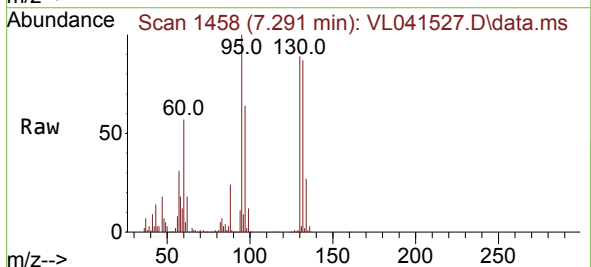
Instrument :  
MSVOA\_L  
ClientSampleId :

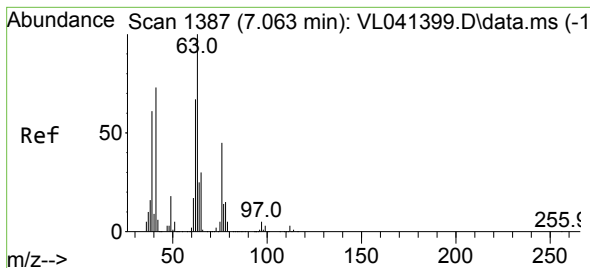
Tgt Ion: 62 Resp: 1149797  
Ion Ratio Lower Upper  
62 100  
98 6.1 5.0 7.4



#38  
Trichloroethene  
Concen: 10.895 ppbv  
RT: 7.291 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion:130 Resp: 948439  
Ion Ratio Lower Upper  
130 100  
95 112.8 90.2 135.2  
132 97.9 78.1 117.1  
97 71.9 59.7 89.5





#39

1,2-Dichloropropane

Concen: 10.865 ppbv

RT: 7.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

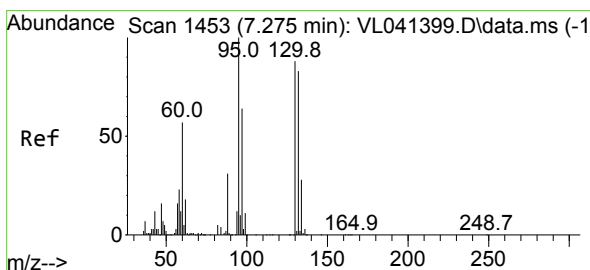
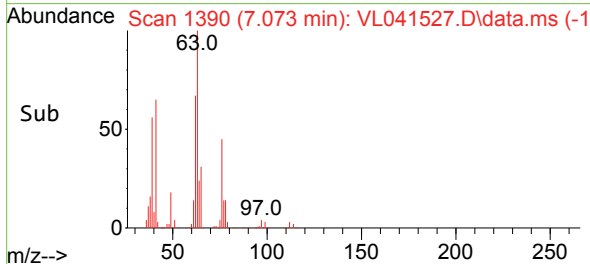
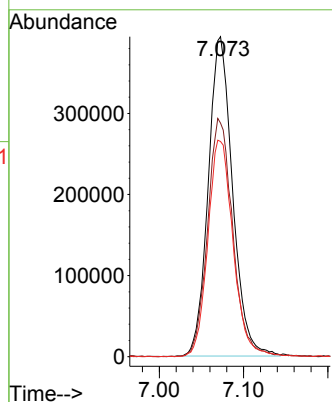
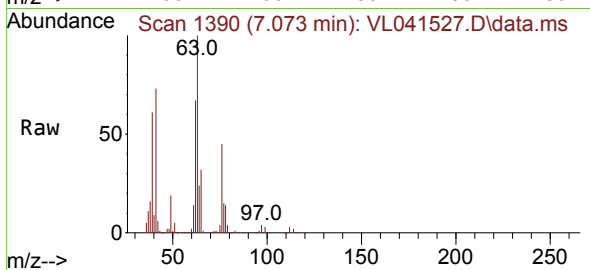
Tgt Ion: 63 Resp: 790468

Ion Ratio Lower Upper

63 100

41 72.9 58.3 87.5

62 67.3 53.9 80.9



#40

1,4-Dioxane

Concen: 10.801 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Tgt Ion: 88 Resp: 315670

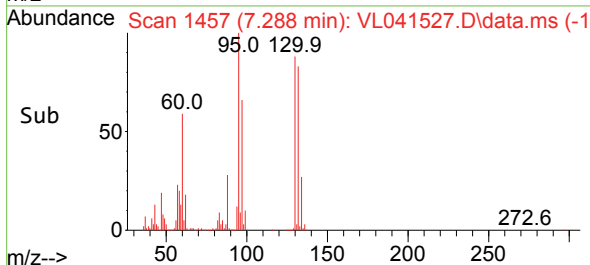
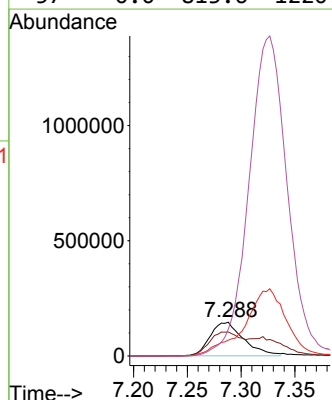
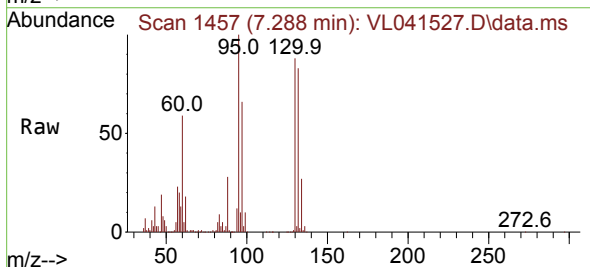
Ion Ratio Lower Upper

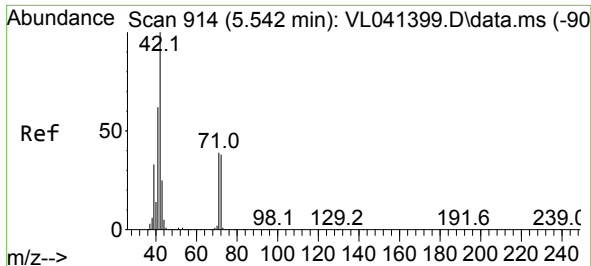
88 100

58 126.9 95.8 143.6

43 0.0 188.2 282.2#

57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 11.659 ppbv

RT: 5.555 min Scan# 914

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

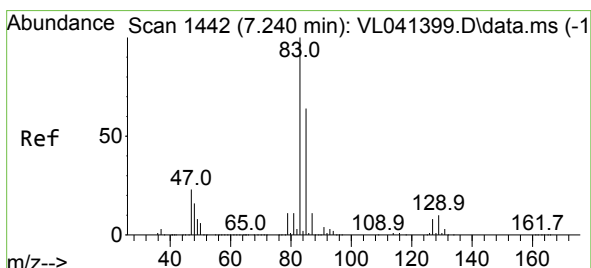
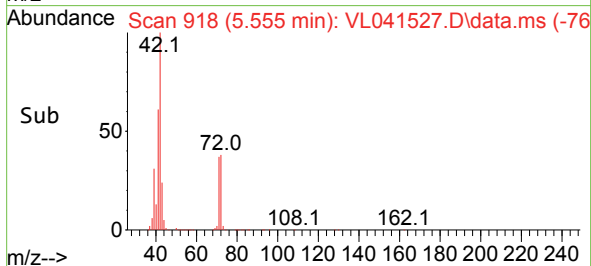
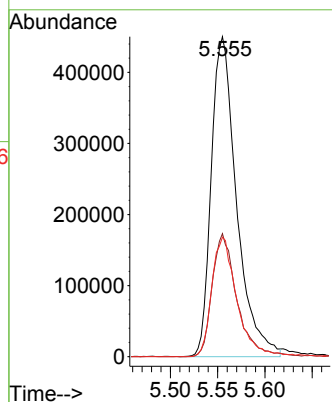
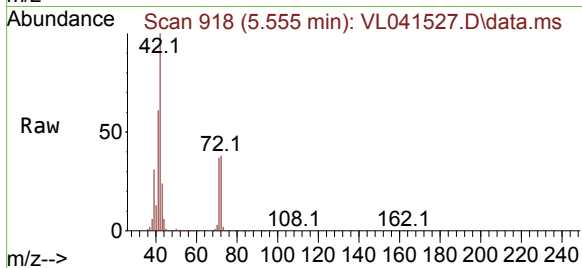
Tgt Ion: 42 Resp: 838835

Ion Ratio Lower Upper

42 100

72 37.7 31.2 46.8

71 37.5 30.5 45.7



#42

Bromodichloromethane

Concen: 10.864 ppbv

RT: 7.249 min Scan# 1445

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

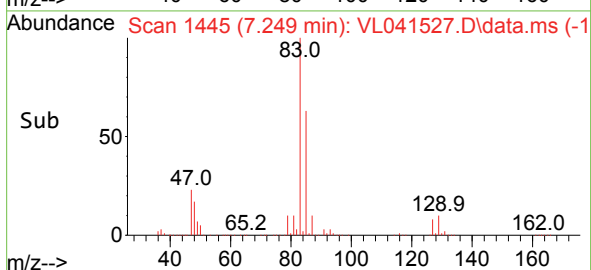
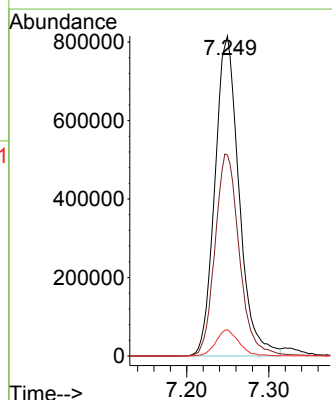
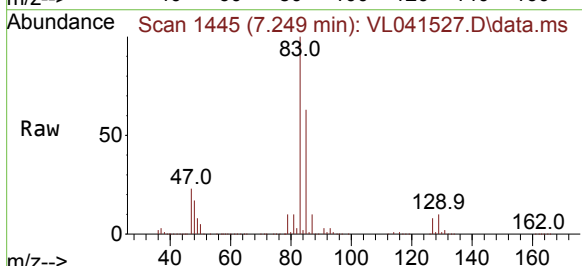
Tgt Ion: 83 Resp: 1668411

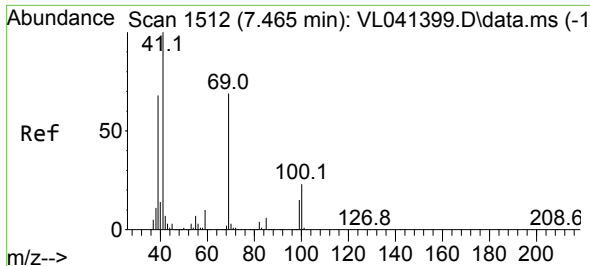
Ion Ratio Lower Upper

83 100

85 62.8 51.4 77.0

127 8.2 6.7 10.1

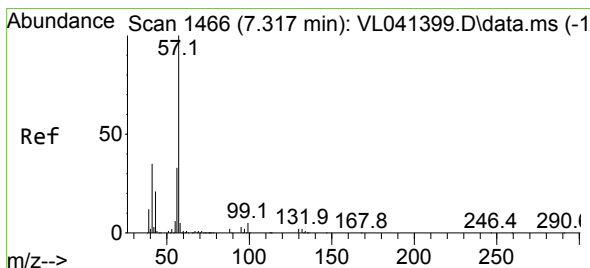
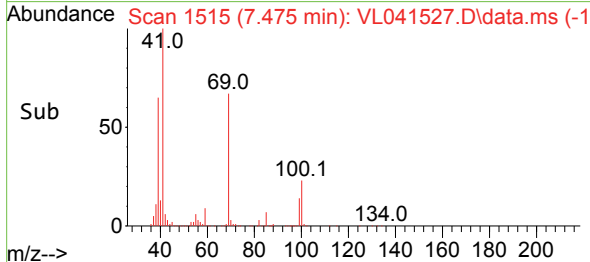
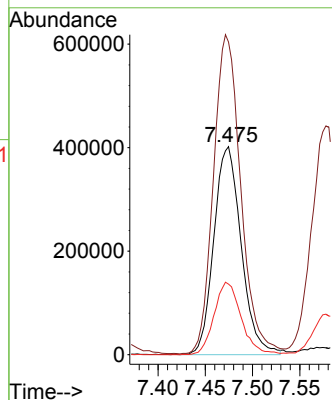
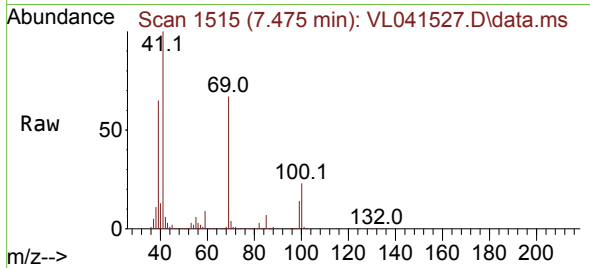




#43  
Methyl Methacrylate  
Concen: 11.866 ppbv  
RT: 7.475 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

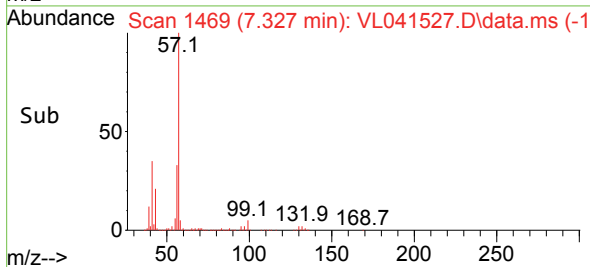
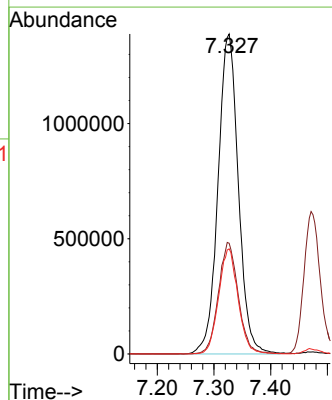
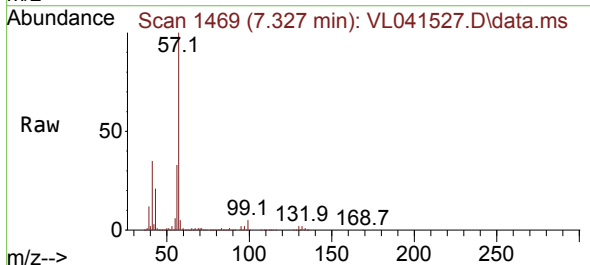
Instrument :  
MSVOA\_L  
ClientSampleId :

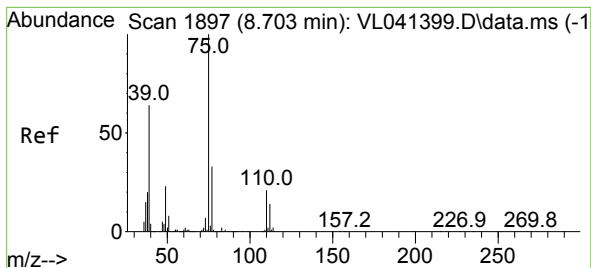
Tgt Ion: 69 Resp: 808557  
Ion Ratio Lower Upper  
69 100  
41 153.9 118.7 178.1  
100 34.5 27.0 40.4



#44  
2,2,4-Trimethylpentane  
Concen: 10.902 ppbv  
RT: 7.327 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion: 57 Resp: 3460189  
Ion Ratio Lower Upper  
57 100  
41 33.9 27.0 40.6  
56 31.5 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 13.325 ppbv

RT: 8.709 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

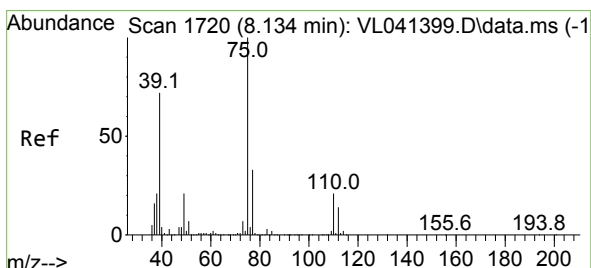
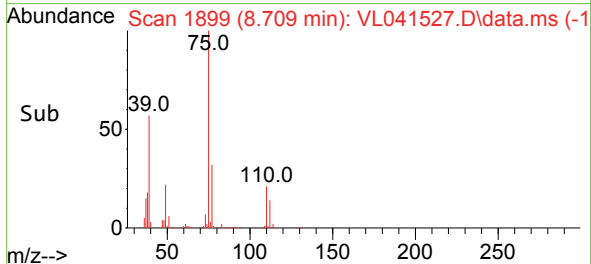
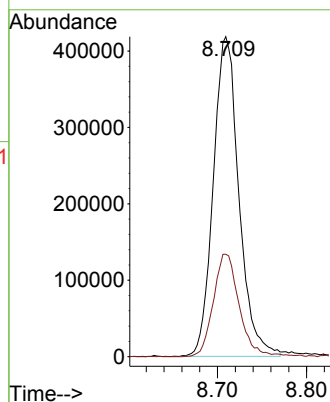
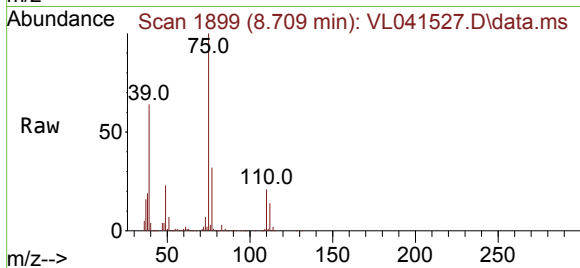
ClientSampleId :

Tgt Ion: 75 Resp: 835718

Ion Ratio Lower Upper

75 100

77 32.0 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 12.344 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

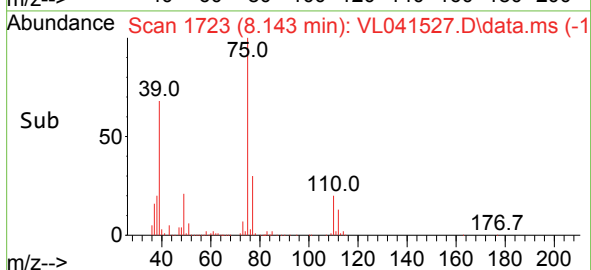
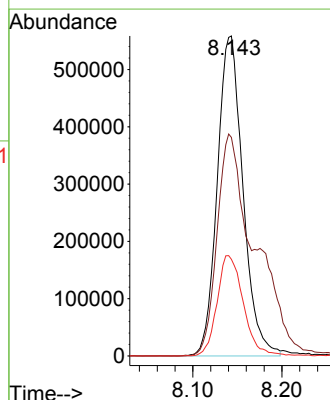
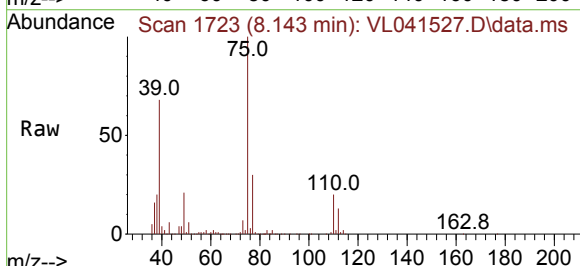
Tgt Ion: 75 Resp: 1117986

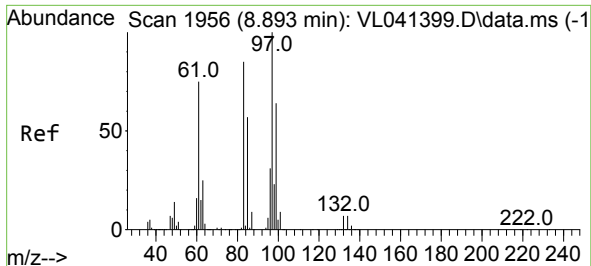
Ion Ratio Lower Upper

75 100

39 68.3 57.3 85.9

77 30.2 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 10.562 ppbv

RT: 8.899 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 97 Resp: 846976

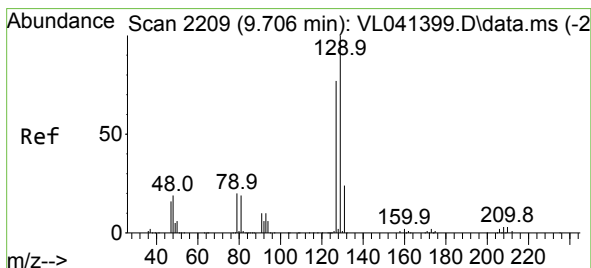
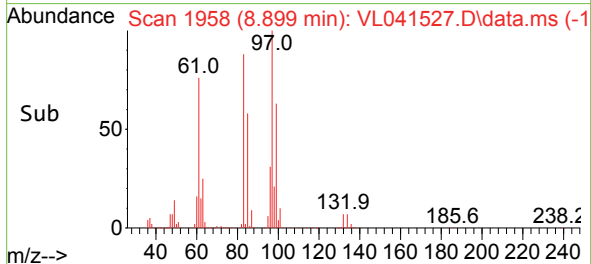
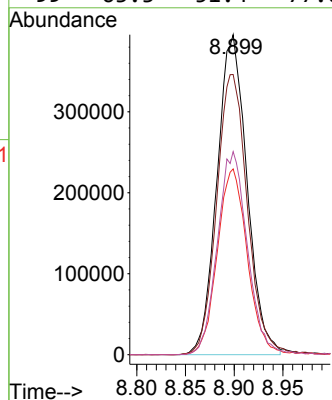
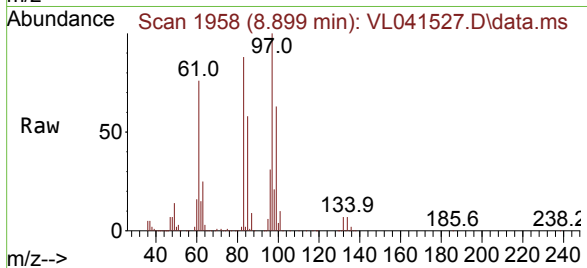
Ion Ratio Lower Upper

97 100

83 87.4 67.6 101.4

85 58.0 45.9 68.9

99 63.3 51.4 77.0



#48

Dibromochloromethane

Concen: 11.108 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VL041527.D

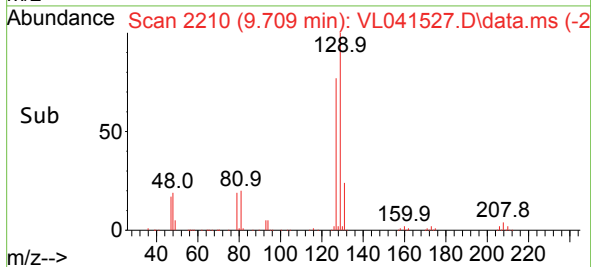
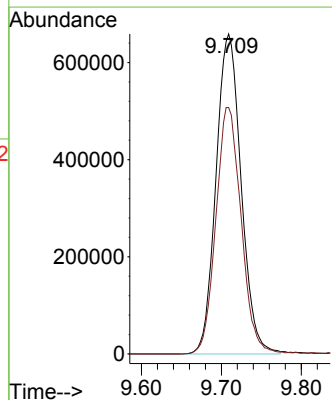
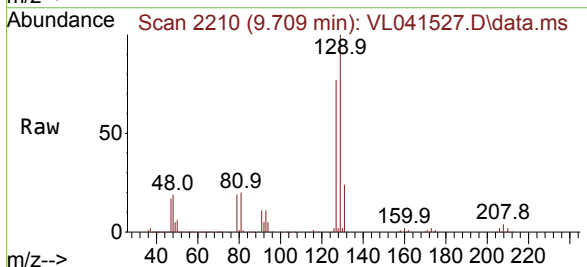
Acq: 12 Aug 2024 8:46

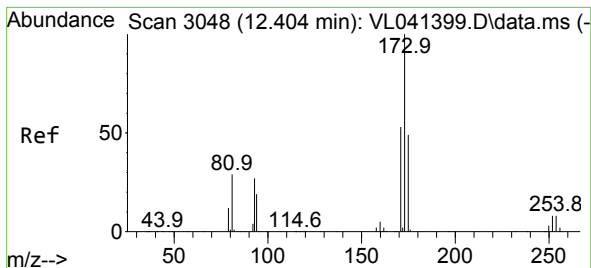
Tgt Ion: 129 Resp: 1435054

Ion Ratio Lower Upper

129 100

127 78.0 39.3 117.8





#49

Bromoform

Concen: 11.401 ppbv

RT: 12.407 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

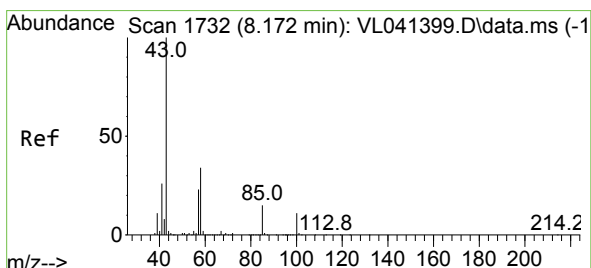
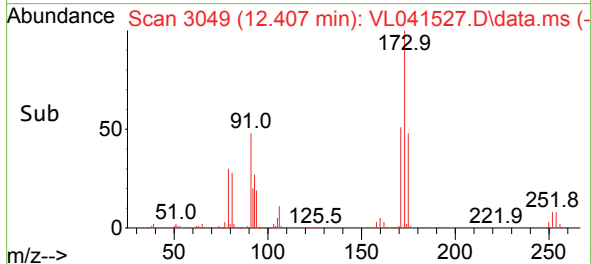
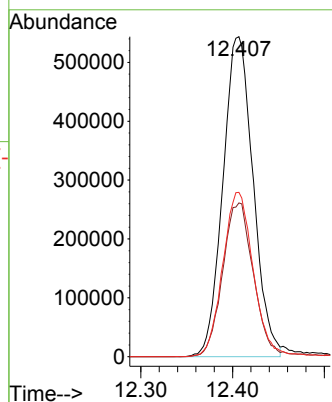
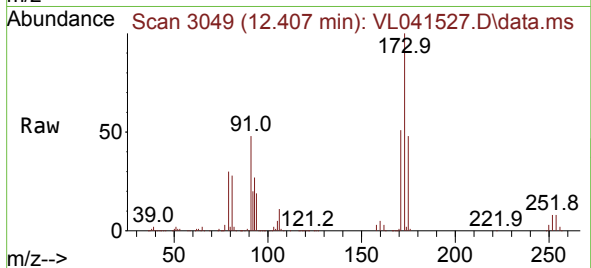
Tgt Ion:173 Resp: 1244113

Ion Ratio Lower Upper

173 100

175 50.2 39.9 59.9

171 52.7 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 11.493 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VL041527.D

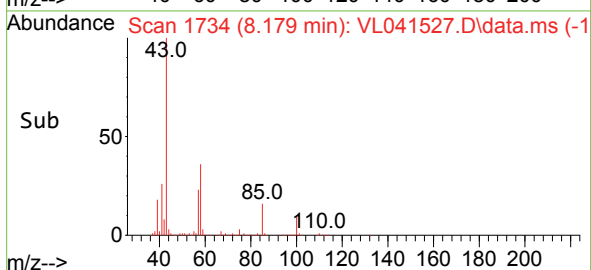
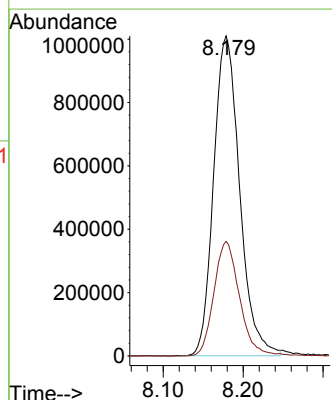
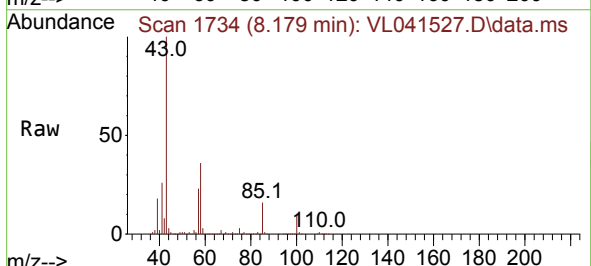
Acq: 12 Aug 2024 8:46

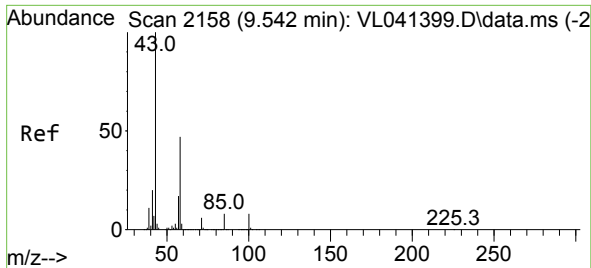
Tgt Ion: 43 Resp: 2281073

Ion Ratio Lower Upper

43 100

58 35.5 27.9 41.9

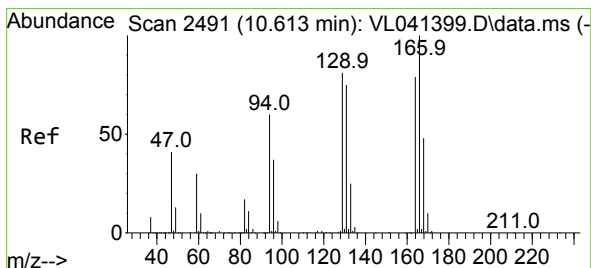
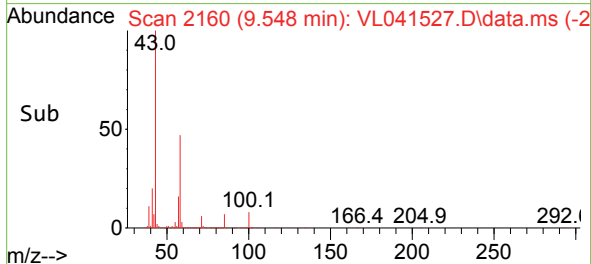
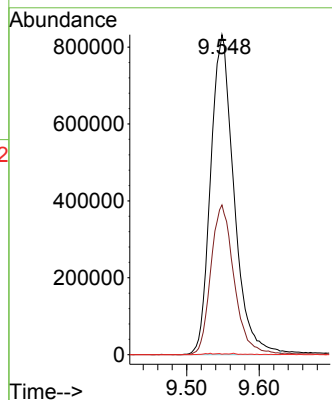
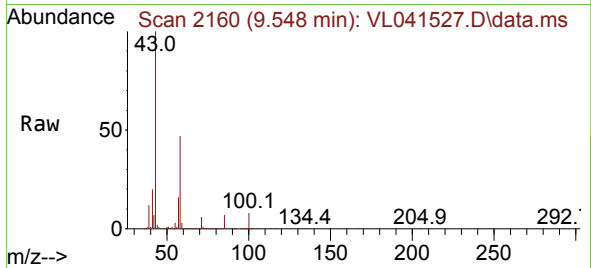




#51  
2-Hexanone  
Concen: 12.415 ppbv  
RT: 9.548 min Scan# 2158  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

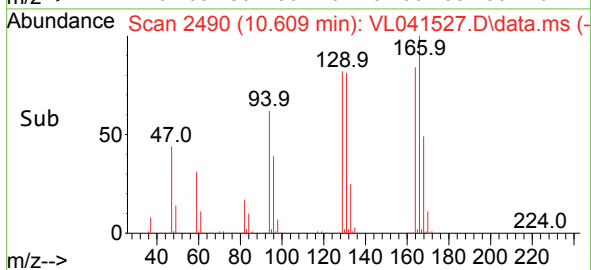
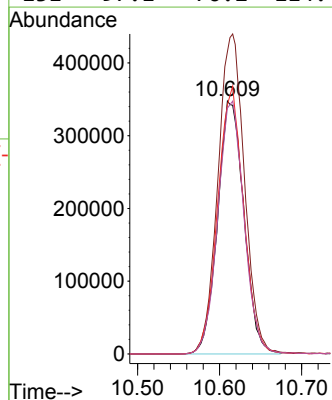
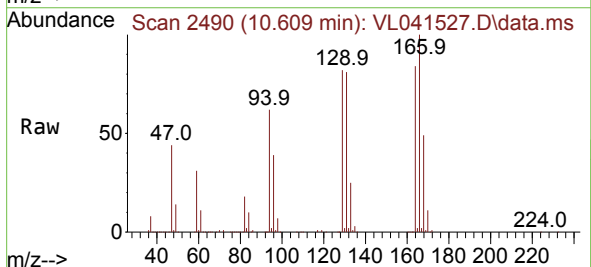
Instrument :  
MSVOA\_L  
ClientSampleId :

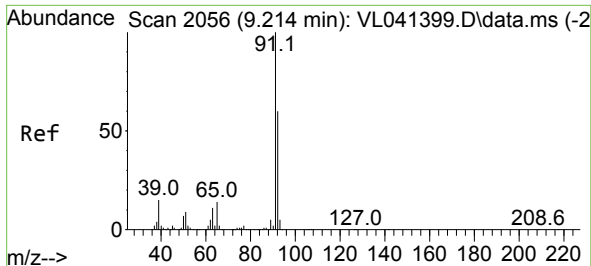
Tgt Ion: 43 Resp: 1863230  
Ion Ratio Lower Upper  
43 100  
58 47.2 38.2 57.2  
98 0.4 0.3 0.5



#52  
Tetrachloroethene  
Concen: 10.555 ppbv  
RT: 10.609 min Scan# 2490  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion:164 Resp: 774992  
Ion Ratio Lower Upper  
164 100  
166 119.5 101.1 151.7  
129 98.5 81.7 122.5  
131 97.1 76.2 114.4

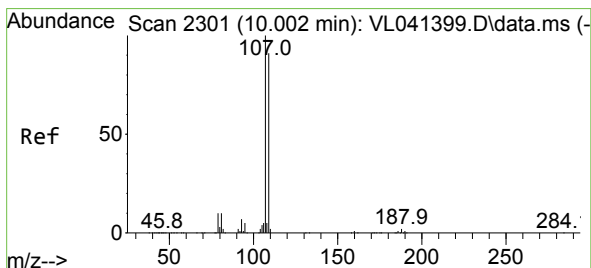
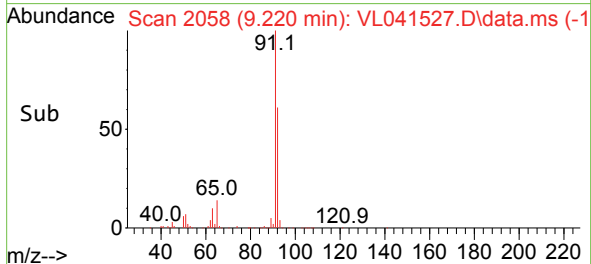
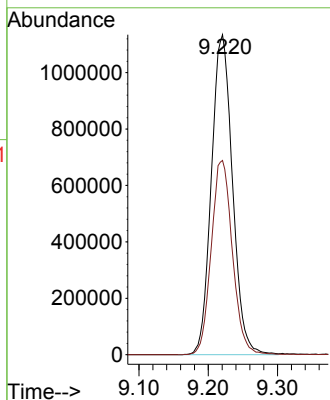
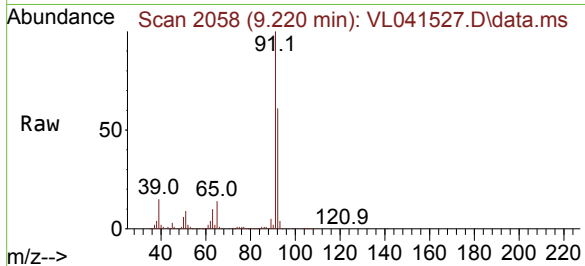




#53  
Toluene  
Concen: 11.343 ppbv  
RT: 9.220 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

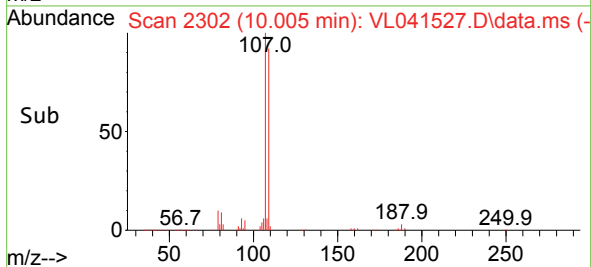
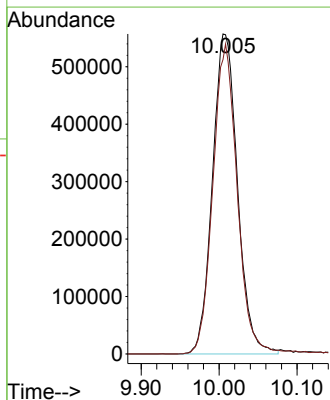
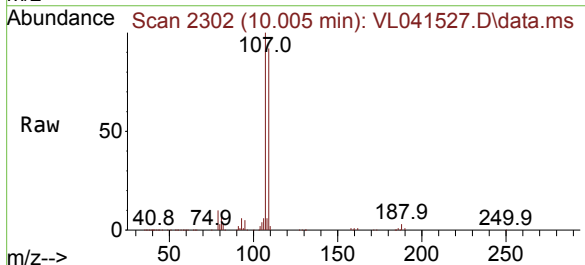
Instrument :  
MSVOA\_L  
ClientSampleId :

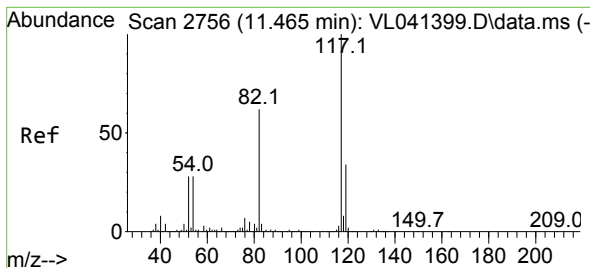
Tgt Ion: 91 Resp: 2400814  
Ion Ratio Lower Upper  
91 100  
92 60.9 48.7 73.1



#54  
1,2-Dibromoethane  
Concen: 11.646 ppbv  
RT: 10.005 min Scan# 2302  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

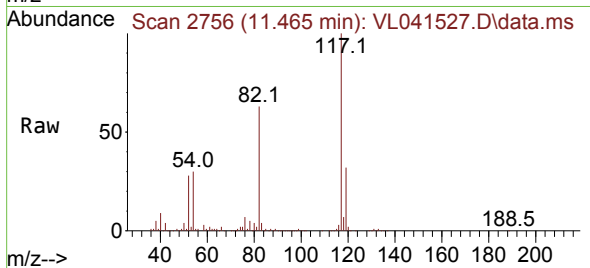
Tgt Ion: 107 Resp: 1243024  
Ion Ratio Lower Upper  
107 100  
109 92.0 72.7 109.1



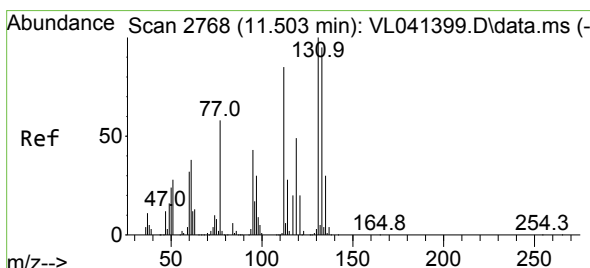
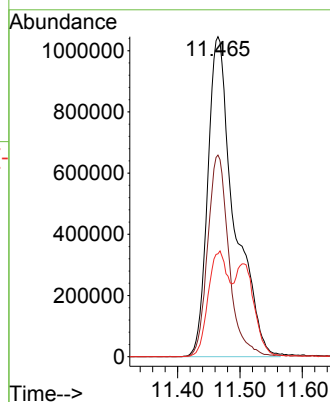
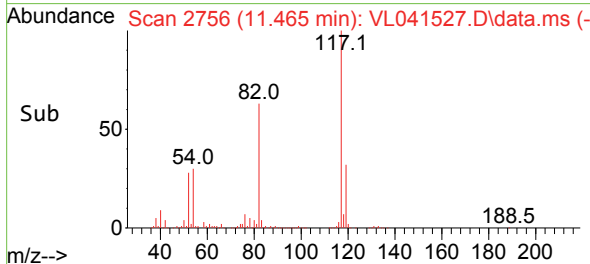


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.465 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

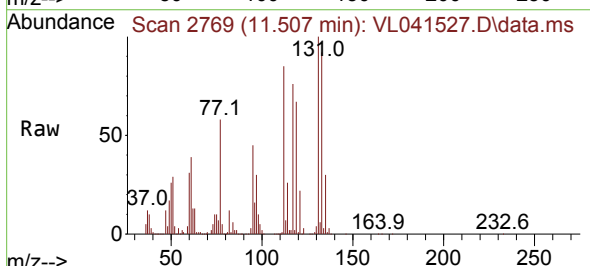
Instrument :  
MSVOA\_L  
ClientSampleId :



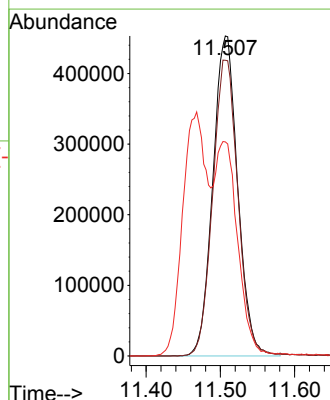
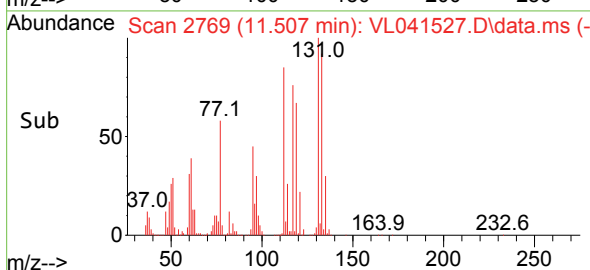
Tgt Ion:117 Resp: 3090471  
Ion Ratio Lower Upper  
117 100  
82 50.9 51.0 76.6#  
119 25.8 45.2 67.8#

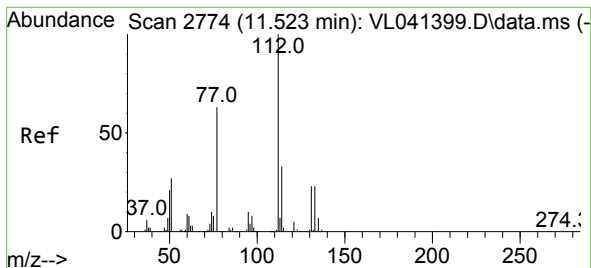


#56  
1,1,1,2-Tetrachloroethane  
Concen: 8.787 ppbv  
RT: 11.507 min Scan# 2769  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46



Tgt Ion:131 Resp: 1053113  
Ion Ratio Lower Upper  
131 100  
133 94.7 77.0 115.4  
119 59.0 121.5 182.3#





#57

Chlorobenzene

Concen: 8.531 ppbv

RT: 11.523 min Scan# 21

Delta R.T. 0.000 min

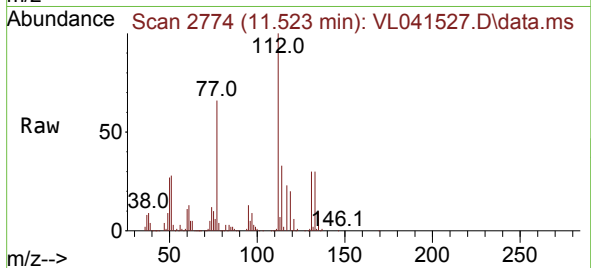
Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :



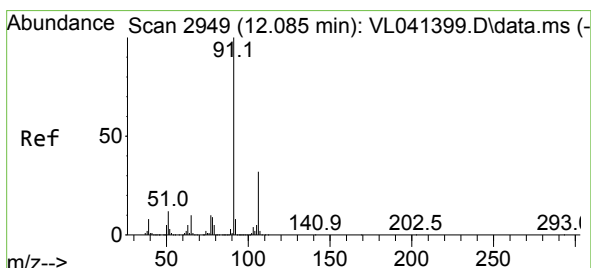
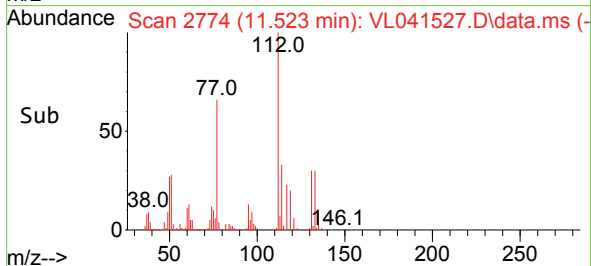
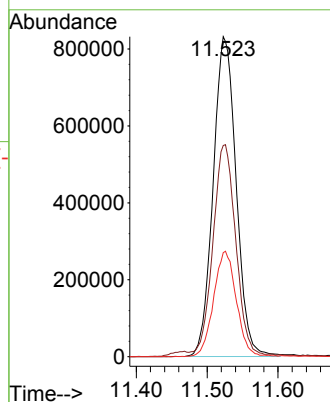
Tgt Ion:112 Resp: 1877092

Ion Ratio Lower Upper

112 100

77 65.4 51.1 76.7

114 32.5 29.5 36.1



#58

Ethyl Benzene

Concen: 9.067 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VL041527.D

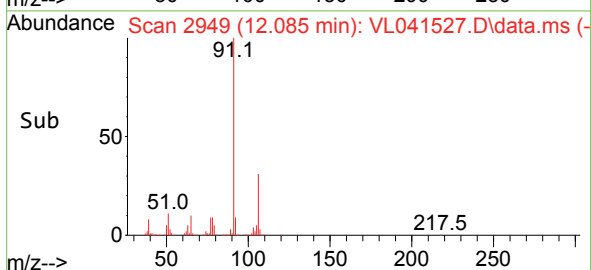
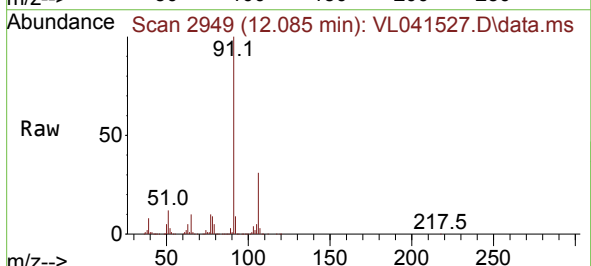
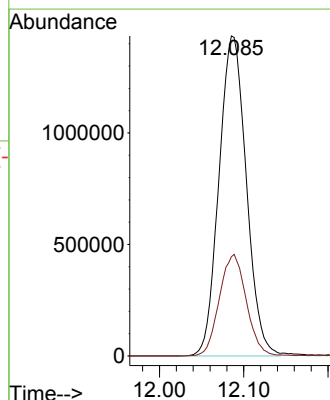
Acq: 12 Aug 2024 8:46

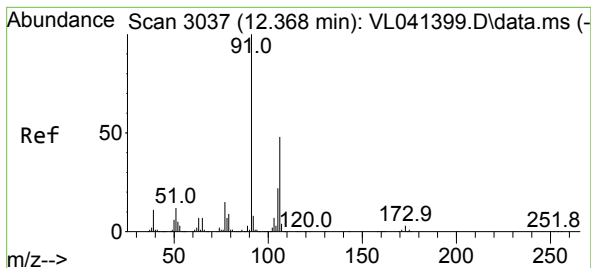
Tgt Ion: 91 Resp: 3229692

Ion Ratio Lower Upper

91 100

106 31.0 25.8 38.8





#59

m/p-Xylene

Concen: 9.648 ppbv

RT: 12.371 min Scan# 3038

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

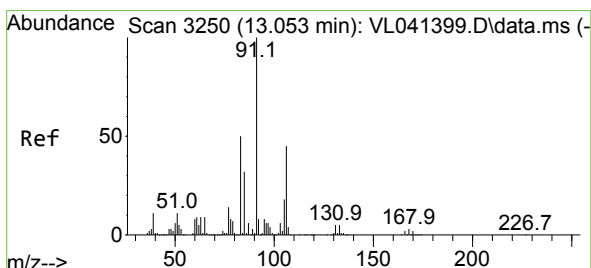
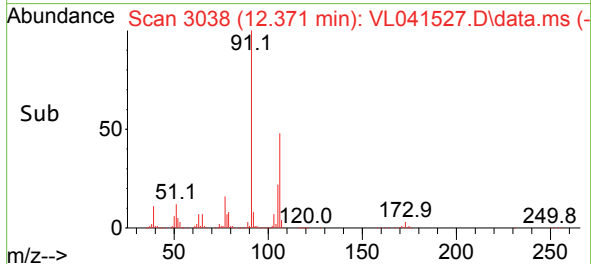
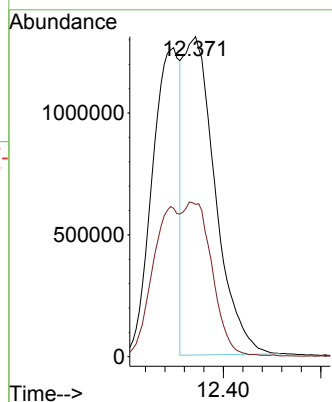
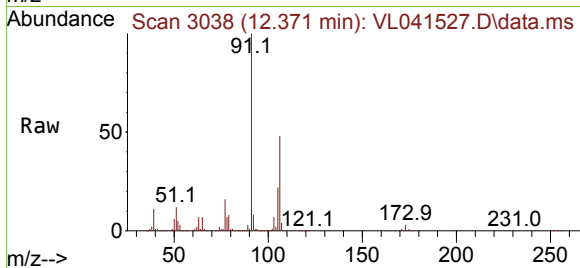
ClientSampleId :

Tgt Ion: 91 Resp: 2966831

Ion Ratio Lower Upper

91 100

106 84.8 36.3 54.5#



#60

o-Xylene

Concen: 9.058 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. 0.000 min

Lab File: VL041527.D

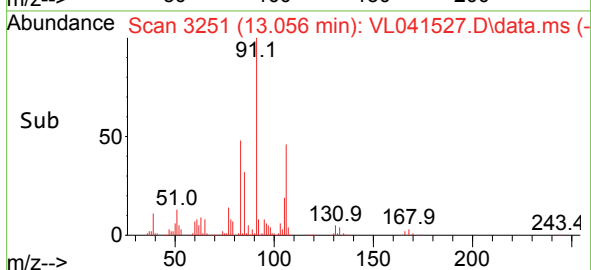
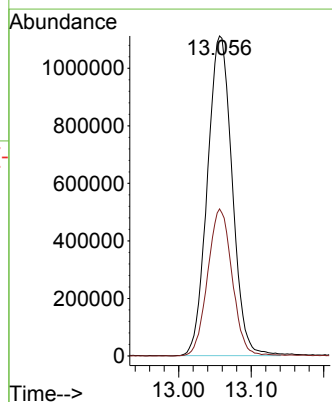
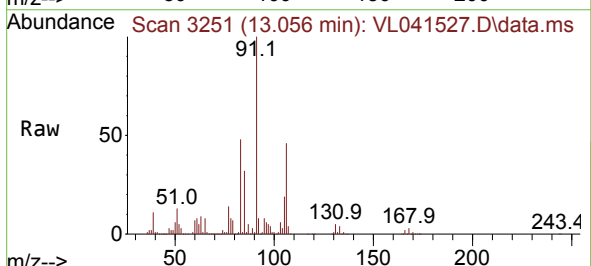
Acq: 12 Aug 2024 8:46

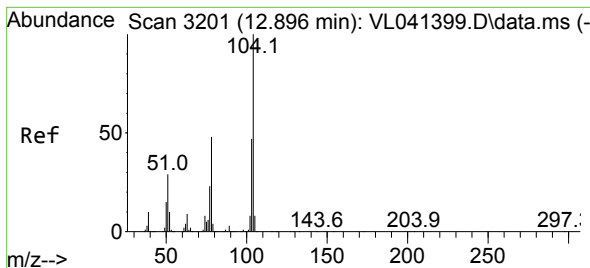
Tgt Ion: 91 Resp: 2634952

Ion Ratio Lower Upper

91 100

106 45.9 23.1 69.3





#61

Styrene

Concen: 9.797 ppbv

RT: 12.896 min Scan# 31

Delta R.T. 0.000 min

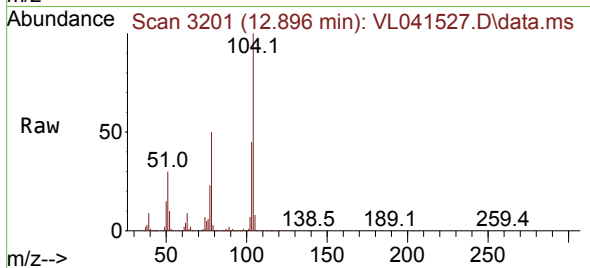
Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :



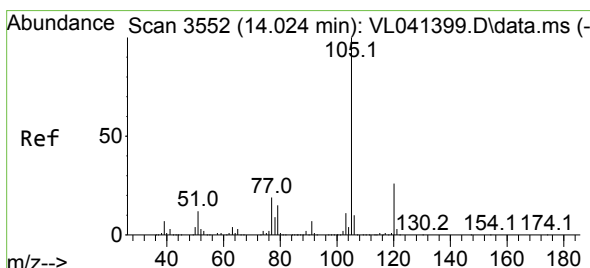
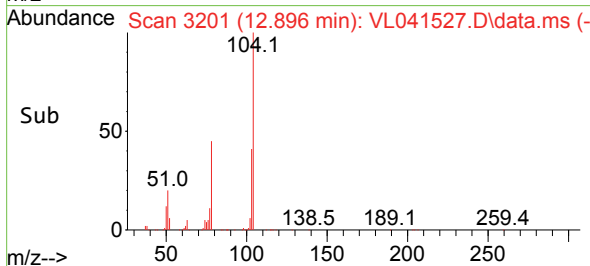
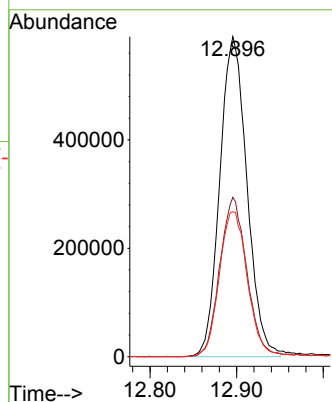
Tgt Ion:104 Resp: 1285721

Ion Ratio Lower Upper

104 100

78 50.1 40.8 61.2

103 47.5 38.2 57.4



#62

Isopropylbenzene

Concen: 8.649 ppbv

RT: 14.027 min Scan# 3553

Delta R.T. 0.000 min

Lab File: VL041527.D

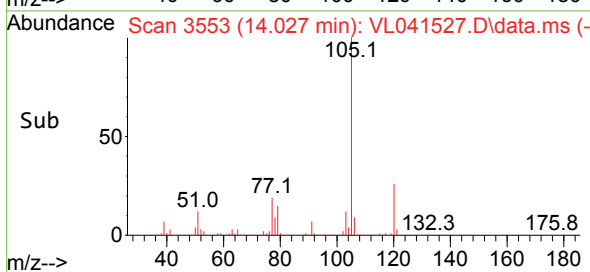
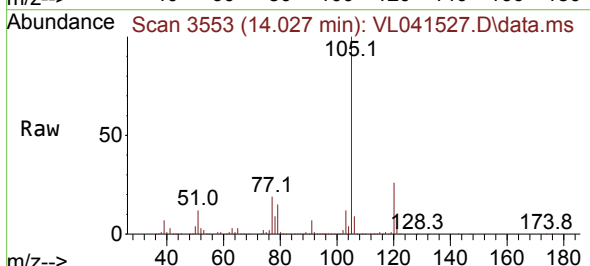
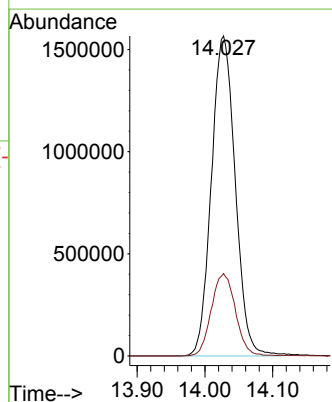
Acq: 12 Aug 2024 8:46

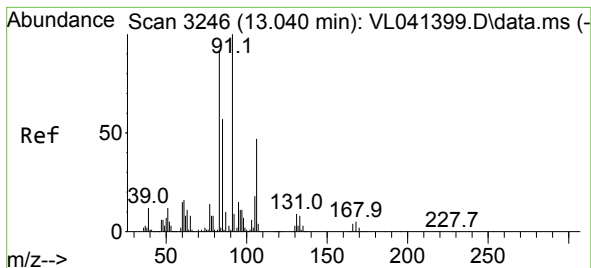
Tgt Ion:105 Resp: 3824563

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

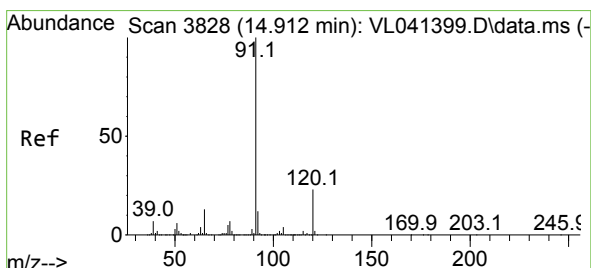
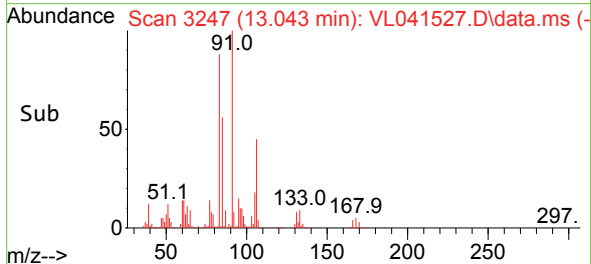
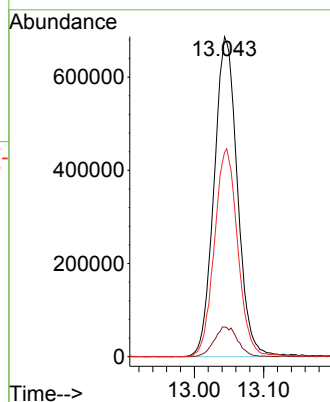
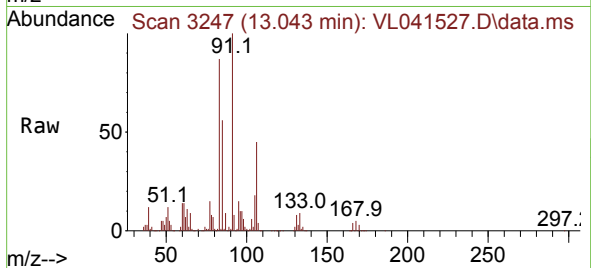




#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.738 ppbv  
RT: 13.043 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

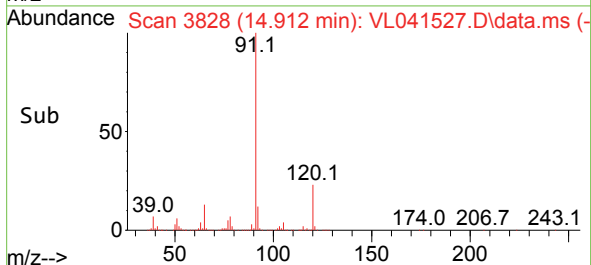
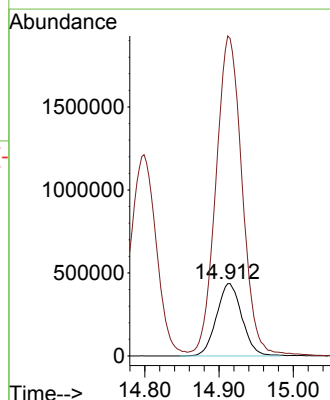
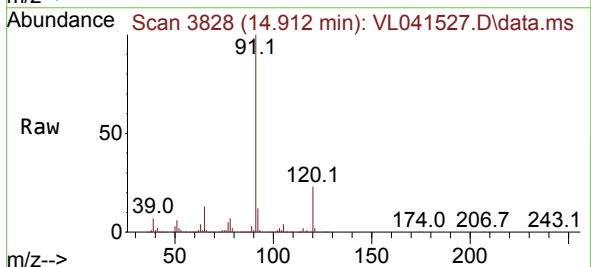
Instrument :  
MSVOA\_L  
ClientSampleId :

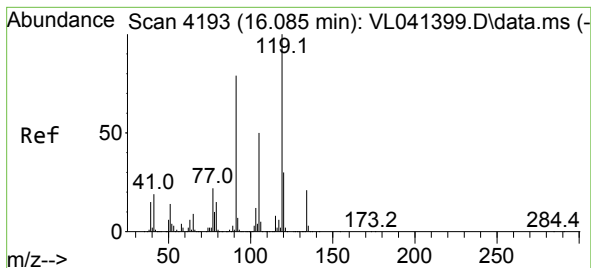
Tgt Ion: 83 Resp: 1605022  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.8 14.4  
85 65.8 32.6 98.0



#64  
n-propylbenzene  
Concen: 8.964 ppbv  
RT: 14.912 min Scan# 3828  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion:120 Resp: 1036299  
Ion Ratio Lower Upper  
120 100  
91 458.6 361.4 542.0





#65

tert-Butylbenzene

Concen: 8.658 ppbv

RT: 16.088 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

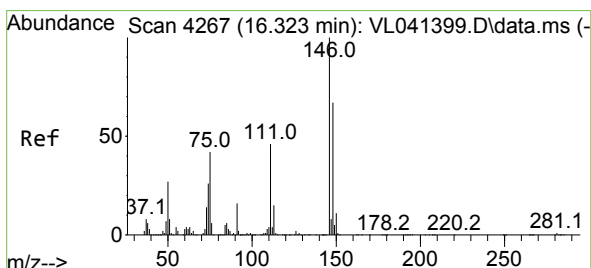
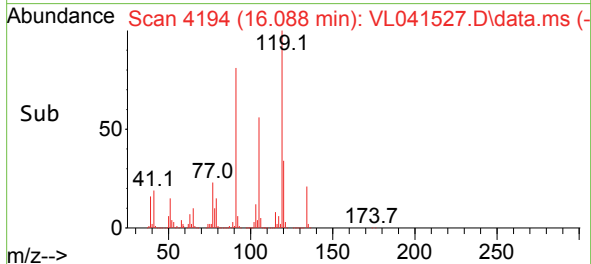
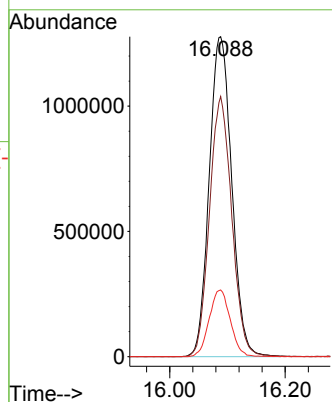
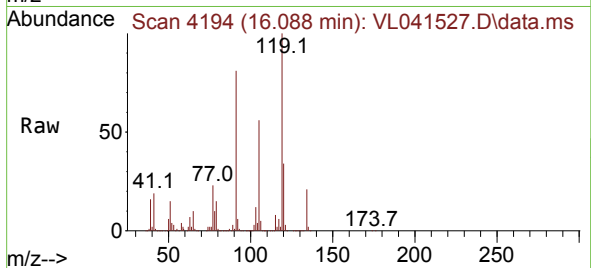
Tgt Ion:119 Resp: 3458283

Ion Ratio Lower Upper

119 100

91 80.5 64.2 96.2

134 19.6 15.7 23.5



#66

Benzyl Chloride

Concen: 10.866 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

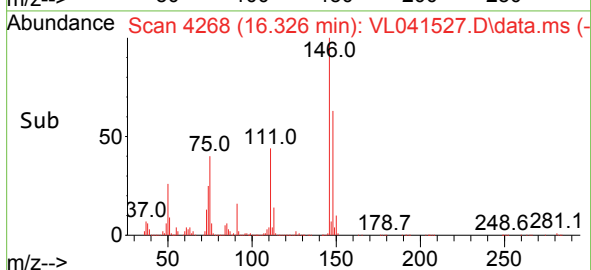
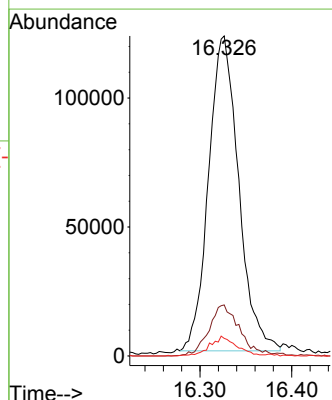
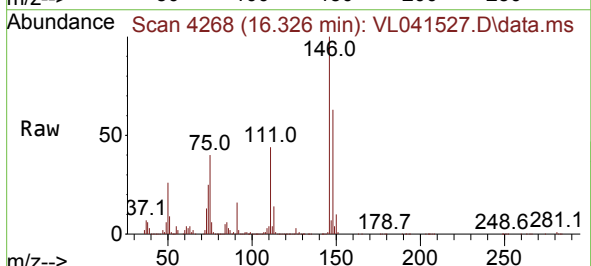
Tgt Ion: 91 Resp: 278383

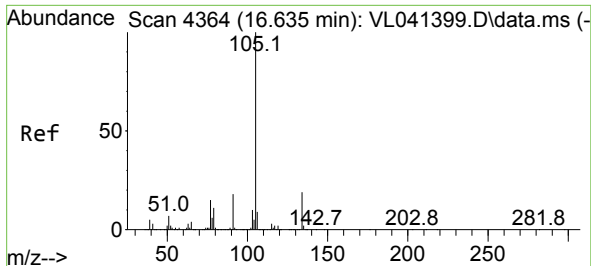
Ion Ratio Lower Upper

91 100

126 17.1 13.8 20.8

128 5.8 4.4 6.6

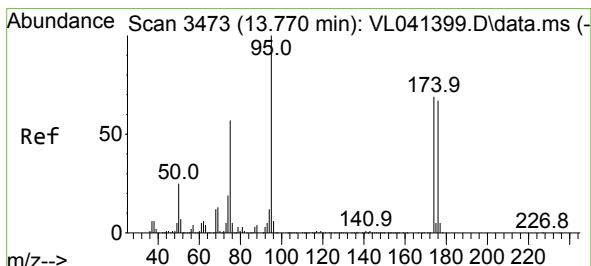
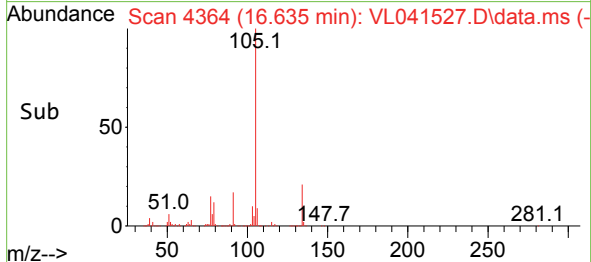
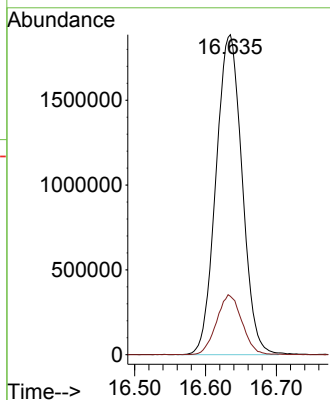
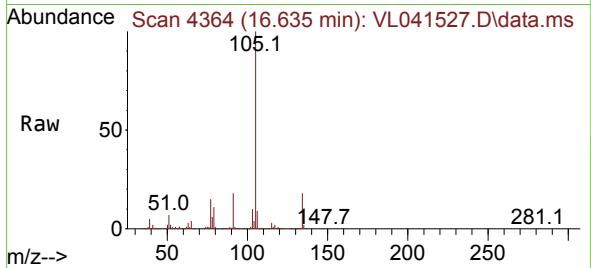




#67  
 sec-Butylbenzene  
 Concen: 8.784 ppbv  
 RT: 16.635 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

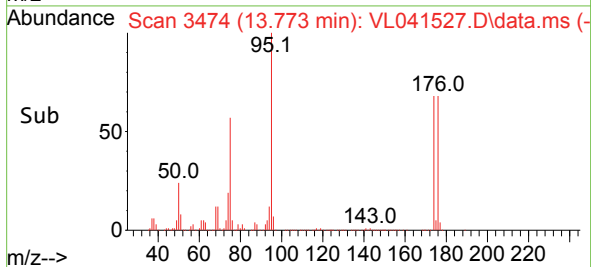
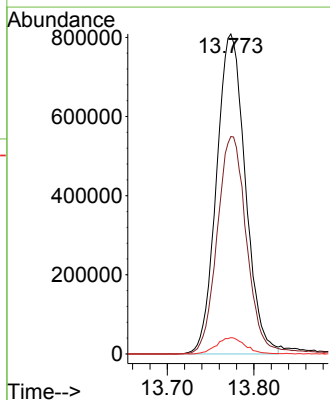
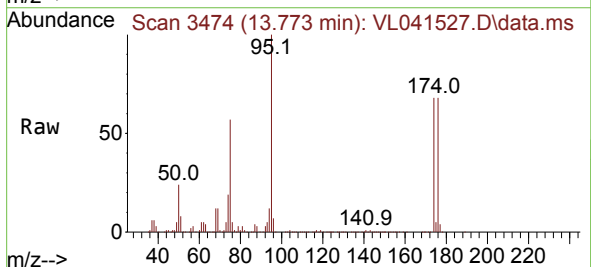
Instrument :  
 MSVOA\_L  
 ClientSampleId :

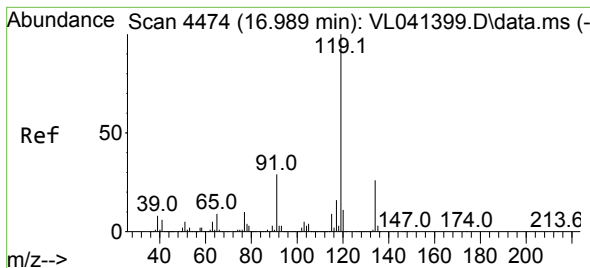
Tgt Ion:105 Resp: 4833640  
 Ion Ratio Lower Upper  
 105 100  
 134 18.3 14.5 21.7



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 7.863 ppbv  
 RT: 13.773 min Scan# 3474  
 Delta R.T. 0.000 min  
 Lab File: VL041527.D  
 Acq: 12 Aug 2024 8:46

Tgt Ion: 95 Resp: 1870101  
 Ion Ratio Lower Upper  
 95 100  
 174 70.5 56.3 84.5  
 175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 8.911 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

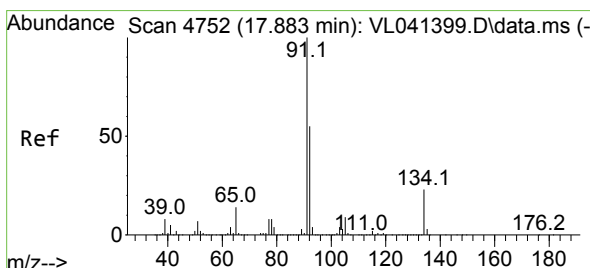
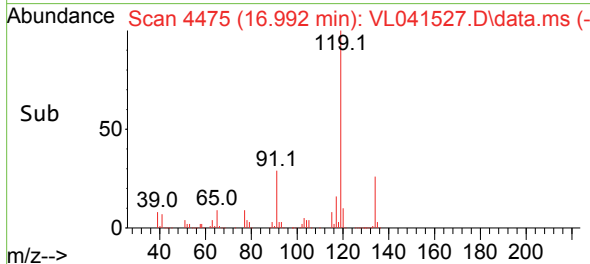
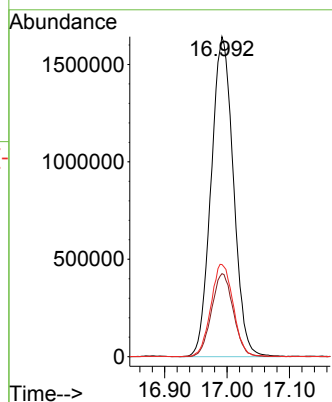
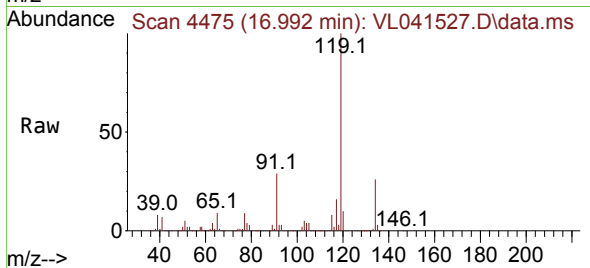
Tgt Ion:119 Resp: 4069168

Ion Ratio Lower Upper

119 100

134 25.5 20.5 30.7

91 28.9 23.2 34.8



#70

n-Butylbenzene

Concen: 8.989 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

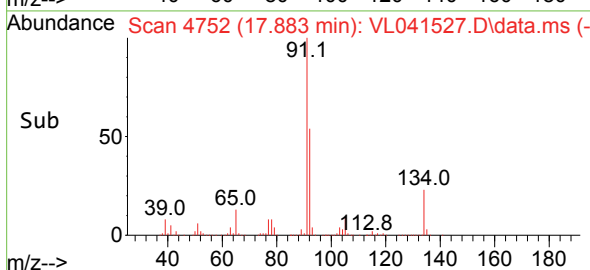
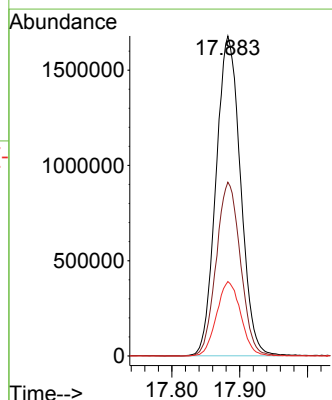
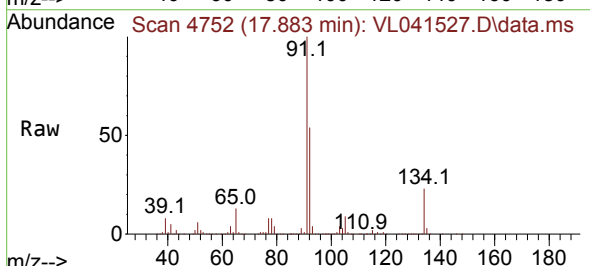
Tgt Ion: 91 Resp: 4208009

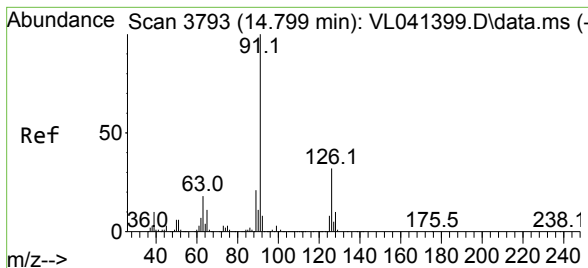
Ion Ratio Lower Upper

91 100

92 53.8 43.2 64.8

134 23.1 18.5 27.7

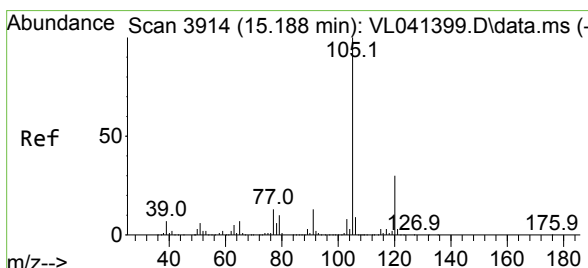
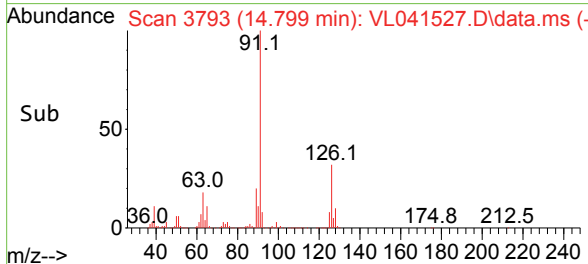
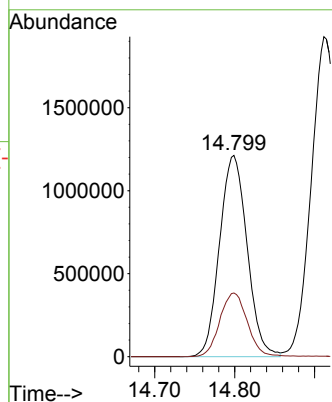
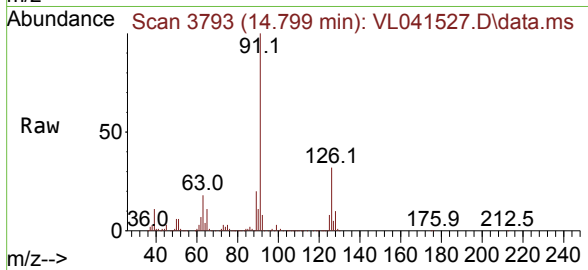




#71  
2-Chlorotoluene  
Concen: 8.900 ppbv  
RT: 14.799 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

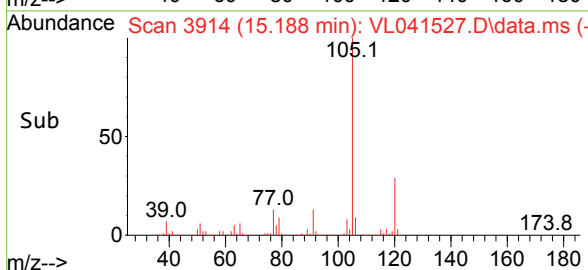
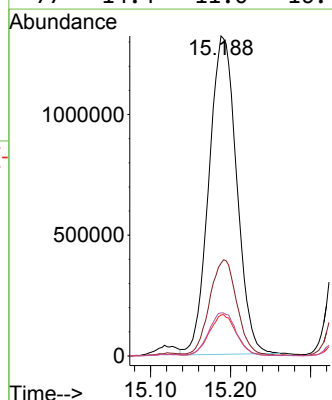
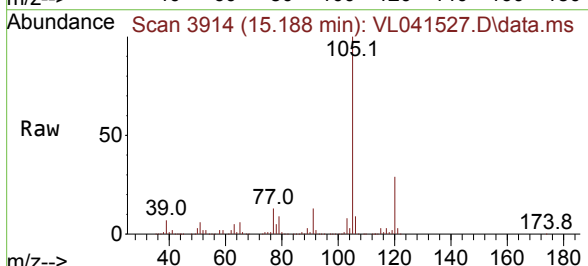
Instrument :  
MSVOA\_L  
ClientSampleId :

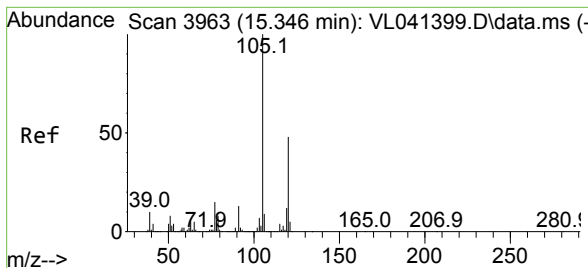
Tgt Ion: 91 Resp: 2902468  
Ion Ratio Lower Upper  
91 100  
126 32.1 12.7 50.9



#72  
4-Ethyltoluene  
Concen: 9.262 ppbv  
RT: 15.188 min Scan# 3914  
Delta R.T. 0.000 min  
Lab File: VL041527.D  
Acq: 12 Aug 2024 8:46

Tgt Ion: 105 Resp: 3172041  
Ion Ratio Lower Upper  
105 100  
120 31.1 24.2 36.2  
91 12.7 10.4 15.6  
77 14.4 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 9.192 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

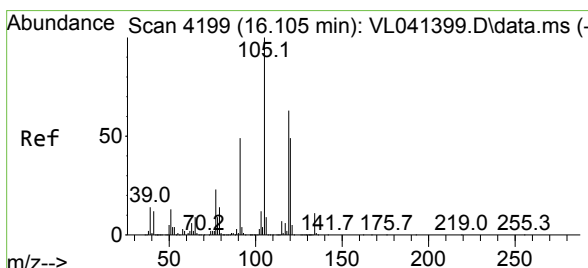
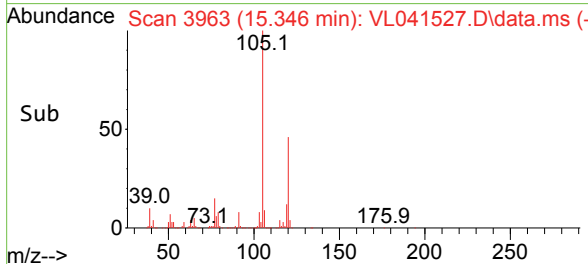
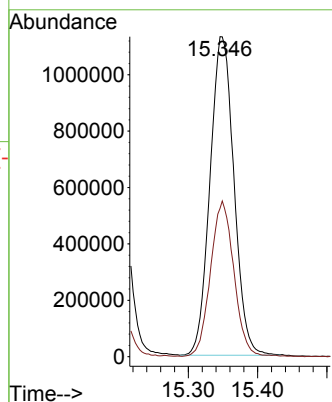
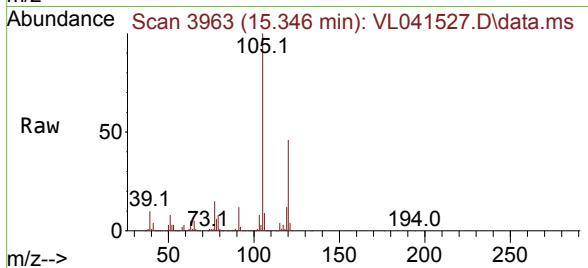
ClientSampleId :

Tgt Ion:105 Resp: 2711766

Ion Ratio Lower Upper

105 100

120 46.4 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 8.856 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Tgt Ion:105 Resp: 3037676

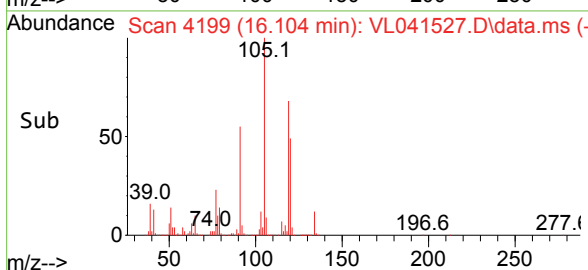
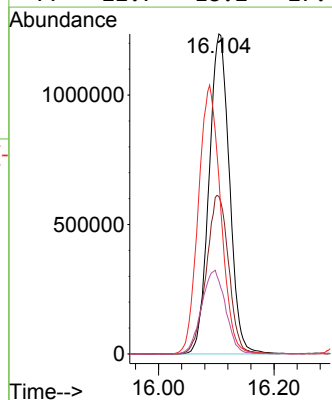
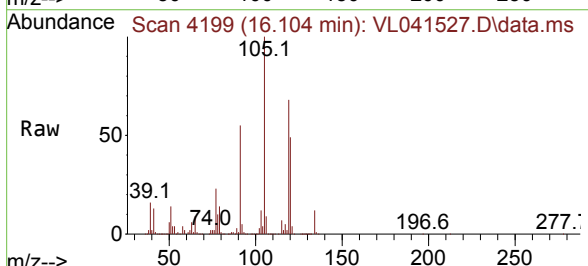
Ion Ratio Lower Upper

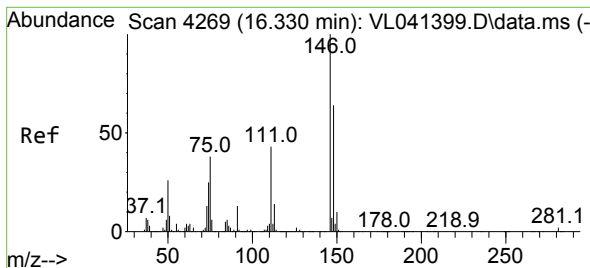
105 100

120 49.1 39.5 59.3

91 54.8 39.8 59.8

77 22.7 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 8.736 ppbv

RT: 16.326 min Scan# 4269

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

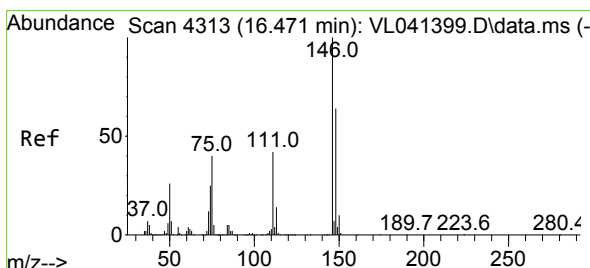
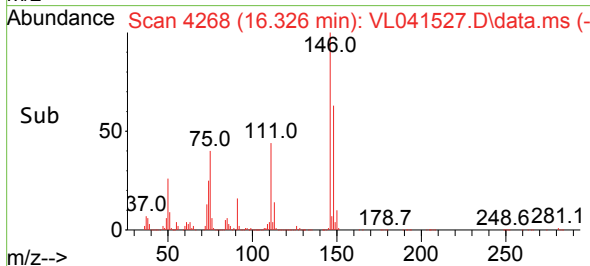
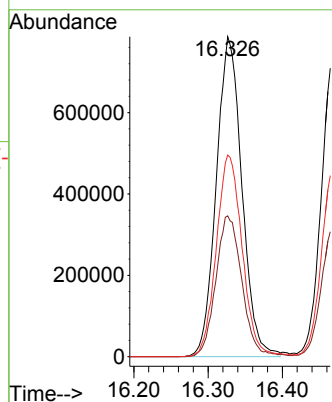
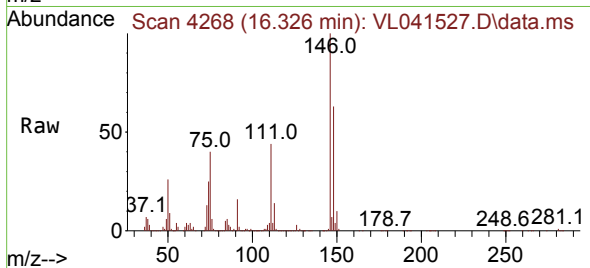
Tgt Ion:146 Resp: 1883631

Ion Ratio Lower Upper

146 100

111 44.8 22.6 67.8

148 63.9 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 8.791 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

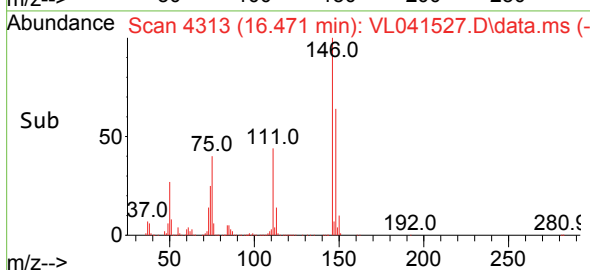
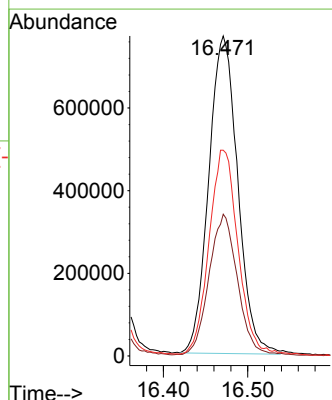
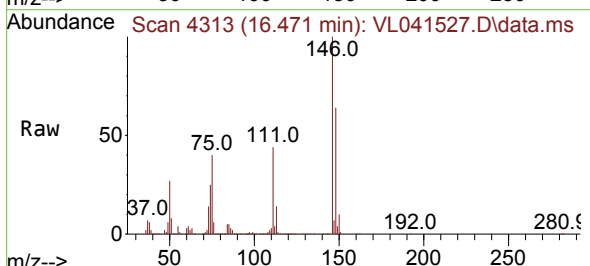
Tgt Ion:146 Resp: 1835391

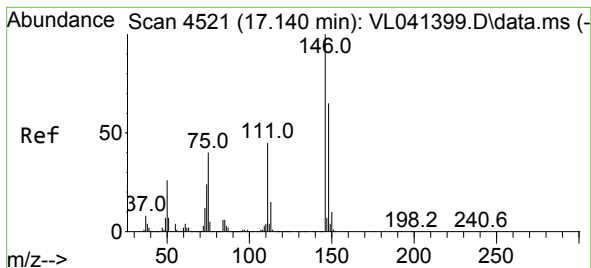
Ion Ratio Lower Upper

146 100

111 44.4 22.4 67.0

148 65.9 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 8.574 ppbv

RT: 17.140 min Scan# 4521

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

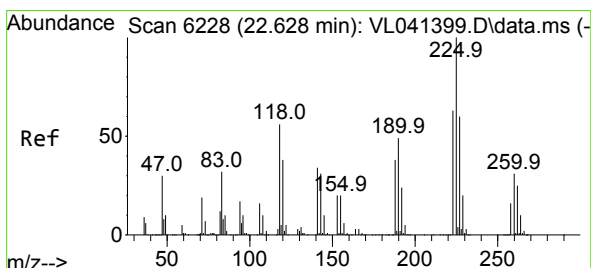
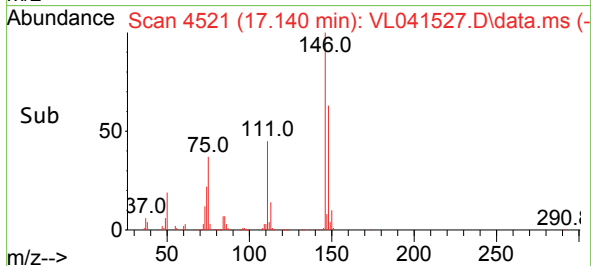
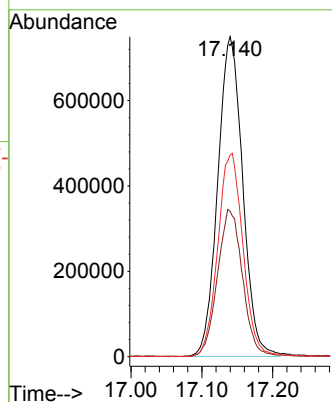
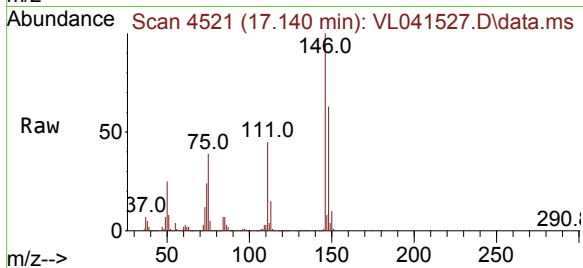
Tgt Ion:146 Resp: 1832533

Ion Ratio Lower Upper

146 100

111 46.4 23.4 70.0

148 64.2 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 7.629 ppbv

RT: 22.631 min Scan# 6229

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

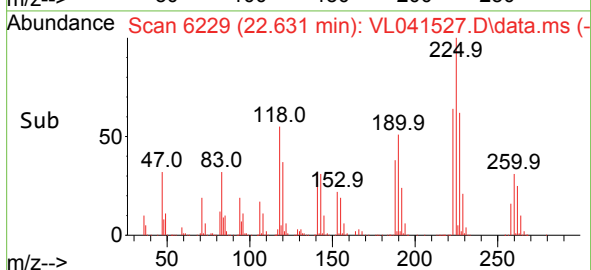
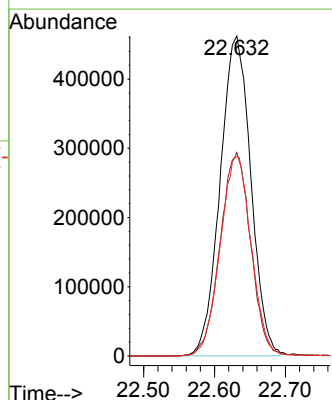
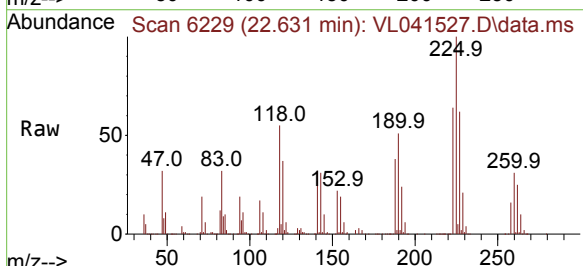
Tgt Ion:225 Resp: 1390607

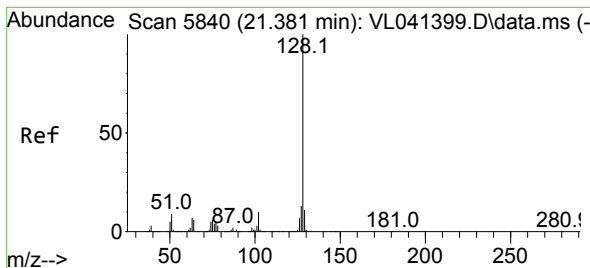
Ion Ratio Lower Upper

225 100

223 63.5 50.6 76.0

227 63.4 50.8 76.2





#79

Naphthalene

Concen: 10.192 ppbv

RT: 21.381 min Scan# 5840

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :

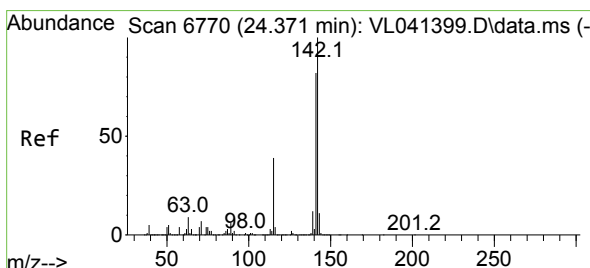
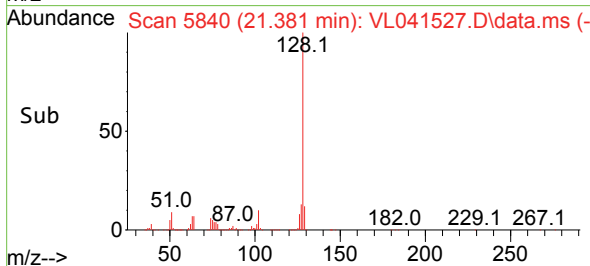
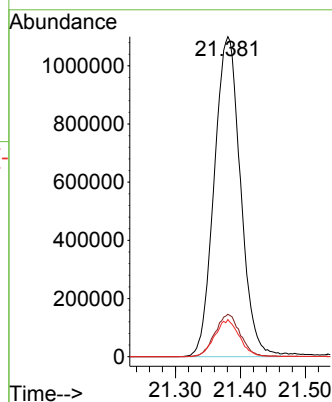
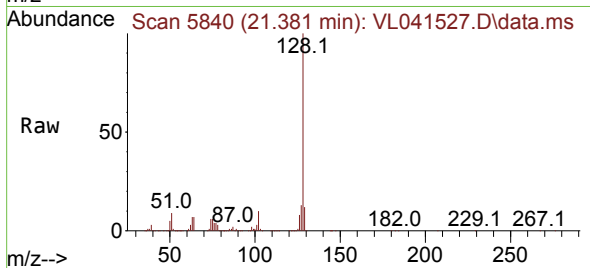
Tgt Ion:128 Resp: 3085623

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.6 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 10.320 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. 0.000 min

Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

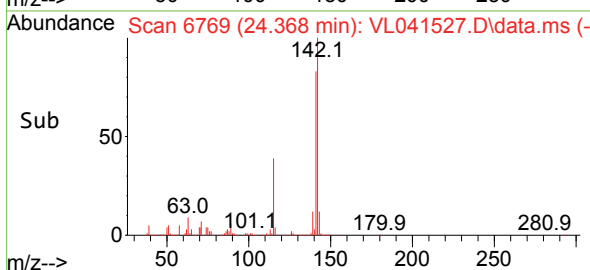
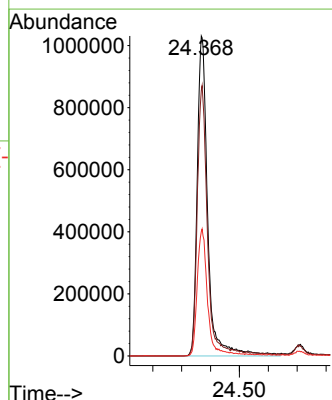
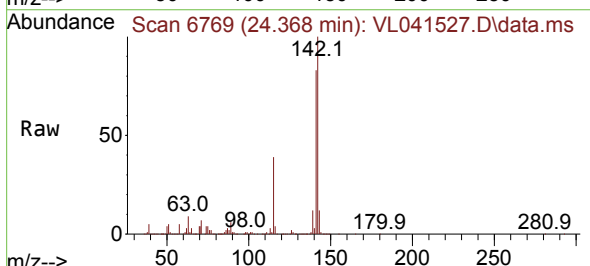
Tgt Ion:142 Resp: 2619024

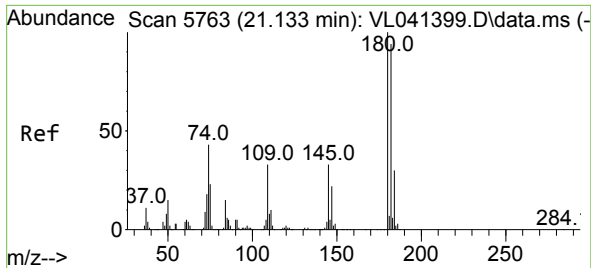
Ion Ratio Lower Upper

142 100

141 83.3 67.0 100.4

115 39.3 32.2 48.2





#81

1,2,4-Trichlorobenzene

Concen: 9.025 ppbv

RT: 21.133 min Scan# 51

Delta R.T. 0.000 min

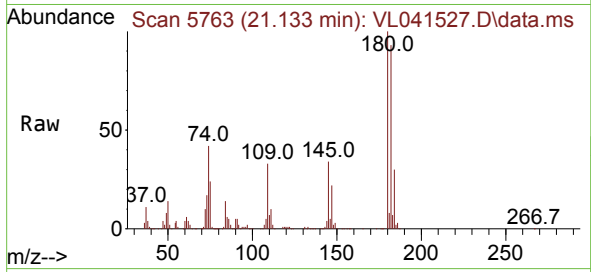
Lab File: VL041527.D

Acq: 12 Aug 2024 8:46

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:180 Resp: 1625845

Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

184 31.0 24.5 36.7

