

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL031124\  
 Data File : VL041087.D  
 Acq On : 11 Mar 2024 14:15  
 Operator : SY/MD  
 Sample : VSTDICC0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.03

Quant Time: Mar 12 05:52:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL031124AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Mar 12 05:47:21 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.198  | 49   | 1385346  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.664  | 114  | 3497943  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.481 | 117  | 3062886  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.796 | 95    | 2416662  | 10.092   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.900% |

| Target Compounds              |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.725 | 85  | 8302   | 0.031 | ppbv   | 95     |
| 3) Chlorodifluoromethane      | 2.671 | 51  | 7149   | 0.035 | ppbv   | 96     |
| 4) Chloromethane              | 2.812 | 50  | 2785   | 0.036 | ppbv # | 86     |
| 5) Vinyl Chloride             | 2.915 | 62  | 2637   | 0.034 | ppbv # | 78     |
| 6) Bromomethane               | 3.111 | 94  | 549    | 0.018 | ppbv # | 1      |
| 7) Chloroethane               | 3.192 | 64  | 1058   | 0.038 | ppbv # | 89     |
| 8) Dichlorotetrafluoroethane  | 2.854 | 85  | 6062   | 0.032 | ppbv   | 97     |
| 9) Propene                    | 2.693 | 41  | 3665   | 0.054 | ppbv   | 89     |
| 10) Heptane                   | 7.590 | 43  | 975    | 0.006 | ppbv # | 1      |
| 11) Trichlorofluoromethane    | 3.558 | 101 | 6276   | 0.031 | ppbv   | 91     |
| 12) 1,1,2-Trichlorotrifluo... | 4.063 | 101 | 1688   | 0.011 | ppbv # | 15     |
| 13) Ethanol                   | 3.237 | 45  | 108    | 0.006 | ppbv # | 38     |
| 14) Bromoethene               | 3.365 | 108 | 473    | 0.008 | ppbv # | 1      |
| 15) Acetone                   | 3.446 | 43  | 117    | 0.001 | ppbv # | 48     |
| 16) 1,3-Butadiene             | 2.983 | 39  | 1123   | 0.015 | ppbv # | 21     |
| 17) tert-Butyl alcohol        | 3.915 | 59  | 1923   | 0.016 | ppbv # | 70     |
| 18) 1,1-Dichloroethene        | 3.883 | 96  | 1385   | 0.021 | ppbv # | 58     |
| 19) Isopropyl Alcohol         | 3.590 | 45  | 541    | 0.006 | ppbv # | 1      |
| 20) Methylene Chloride        | 3.931 | 84  | 3897   | 0.063 | ppbv # | 86     |
| 21) Allyl Chloride            | 3.999 | 41  | 2350   | 0.026 | ppbv # | 1      |
| 22) trans-1,2-Dichloroethene  | 4.446 | 96  | 1376   | 0.018 | ppbv # | 16     |
| 23) Vinyl Acetate             | 4.632 | 43  | 674    | 0.004 | ppbv # | 81     |
| 24) 1,1-Dichloroethane        | 4.568 | 63  | 2307   | 0.014 | ppbv # | 89     |
| 25) Ethyl Acetate             | 5.208 | 43  | 1324   | 0.005 | ppbv # | 74     |
| 26) Hexane                    | 5.217 | 57  | 1520   | 0.012 | ppbv # | 1      |
| 27) Carbon Disulfide          | 4.131 | 76  | 1819   | 0.012 | ppbv # | 53     |
| 28) Methyl tert-Butyl Ether   | 4.603 | 73  | 786    | 0.007 | ppbv # | 53     |
| 29) Chloroform                | 5.262 | 83  | 1142   | 0.005 | ppbv   | 96     |
| 30) Cyclohexane               | 6.606 | 84  | 311    | 0.003 | ppbv # | 1      |
| 31) cis-1,2-Dichloroethene    | 5.082 | 61  | 1910   | 0.015 | ppbv # | 92     |
| 32) 1,1,1-Trichloroethane     | 6.008 | 97  | 3170   | 0.016 | ppbv # | 27     |
| 34) 2-Butanone                | 4.787 | 43  | 220    | 0.001 | ppbv # | 54     |
| 35) Carbon Tetrachloride      | 6.500 | 117 | 3002   | 0.015 | ppbv # | 23     |
| 36) Benzene                   | 6.381 | 78  | 2273   | 0.009 | ppbv # | 49     |
| 37) 1,2-Dichloroethane        | 5.815 | 62  | 1718   | 0.011 | ppbv # | 83     |
| 38) Trichloroethene           | 7.301 | 130 | 1782   | 0.018 | ppbv # | 42     |
| 39) 1,2-Dichloropropane       | 6.661 | 63  | 887528 | 8.524 | ppbv # | 22     |
| 40) 1,4-Dioxane               | 7.272 | 88  | 91     | 0.002 | ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.565 | 42  | 85     | 0.001 | ppbv # | 1      |
| 42) Bromodichloromethane      | 7.256 | 83  | 3484   | 0.016 | ppbv # | 84     |
| 43) Methyl Methacrylate       | 7.487 | 69  | 610    | 0.006 | ppbv # | 1      |
| 44) 2,2,4-Trimethylpentane    | 7.333 | 57  | 1939   | 0.004 | ppbv # | 41     |
| 45) t-1,3-Dichloropropene     | 8.728 | 75  | 387    | 0.006 | ppbv # | 43     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL031124\  
 Data File : VL041087.D  
 Acq On : 11 Mar 2024 14:15  
 Operator : SY/MD  
 Sample : VSTDICC0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

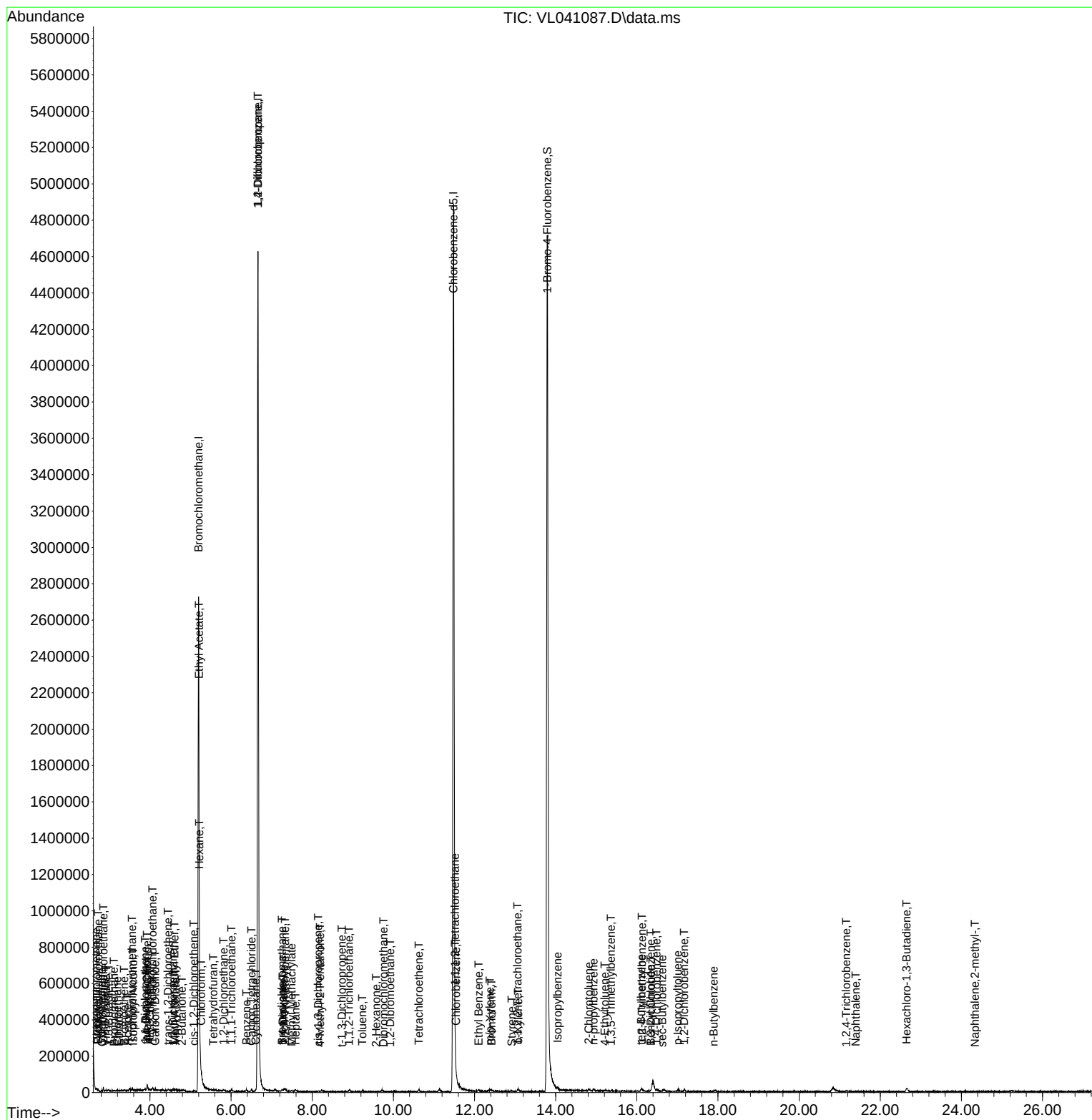
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.03

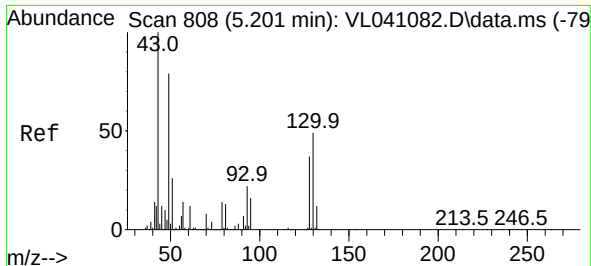
Quant Time: Mar 12 05:52:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL031124AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Mar 12 05:47:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.150  | 75   | 745      | 0.009 | ppbv # | 60       |
| 47) 1,1,2-Trichloroethane     | 8.905  | 97   | 2690     | 0.024 | ppbv # | 51       |
| 48) Dibromochloromethane      | 9.757  | 129  | 134      | 0.001 | ppbv   | 87       |
| 49) Bromoform                 | 12.416 | 173  | 919      | 0.006 | ppbv # | 27       |
| 50) 4-Methyl-2-Pentanone      | 8.191  | 43   | 332      | 0.001 | ppbv # | 39       |
| 51) 2-Hexanone                | 9.577  | 43   | 38       | 0.000 | ppbv # | 31       |
| 52) Tetrachloroethene         | 10.629 | 164  | 592      | 0.007 | ppbv # | 29       |
| 53) Toluene                   | 9.233  | 91   | 2942     | 0.010 | ppbv # | 20       |
| 54) 1,2-Dibromoethane         | 9.921  | 107  | 79       | 0.001 | ppbv   | 85       |
| 56) 1,1,1,2-Tetrachloroethane | 11.523 | 131  | 640      | 0.005 | ppbv # | 1        |
| 57) Chlorobenzene             | 11.545 | 112  | 879      | 0.004 | ppbv # | 38       |
| 58) Ethyl Benzene             | 12.105 | 91   | 5763     | 0.016 | ppbv # | 58       |
| 59) m/p-Xylene                | 12.378 | 91   | 4941     | 0.016 | ppbv # | 44       |
| 60) o-Xylene                  | 13.079 | 91   | 2331     | 0.008 | ppbv   | 66       |
| 61) Styrene                   | 12.915 | 104  | 625      | 0.005 | ppbv # | 1        |
| 62) Isopropylbenzene          | 14.047 | 105  | 5007     | 0.011 | ppbv # | 61       |
| 63) 1,1,2,2-Tetrachloroethane | 13.056 | 83   | 769      | 0.003 | ppbv # | 24       |
| 64) n-propylbenzene           | 14.931 | 120  | 386      | 0.003 | ppbv # | 1        |
| 65) tert-Butylbenzene         | 16.111 | 119  | 1073     | 0.003 | ppbv # | 16       |
| 66) Benzyl Chloride           | 16.346 | 91   | 152      | 0.006 | ppbv # | 66       |
| 67) sec-Butylbenzene          | 16.628 | 105  | 563      | 0.001 | ppbv   | 96       |
| 69) p-Isopropyltoluene        | 17.008 | 119  | 1279     | 0.003 | ppbv # | 46       |
| 70) n-Butylbenzene            | 17.892 | 91   | 928      | 0.002 | ppbv # | 33       |
| 71) 2-Chlorotoluene           | 14.815 | 91   | 3531     | 0.010 | ppbv # | 44       |
| 72) 4-Ethyltoluene            | 15.207 | 105  | 1144     | 0.003 | ppbv # | 55       |
| 73) 1,3,5-Trimethylbenzene    | 15.362 | 105  | 1347     | 0.005 | ppbv # | 31       |
| 74) 1,2,4-Trimethylbenzene    | 16.127 | 105  | 1125     | 0.003 | ppbv # | 47       |
| 75) 1,3-Dichlorobenzene       | 16.342 | 146  | 535      | 0.003 | ppbv # | 22       |
| 76) 1,4-Dichlorobenzene       | 16.487 | 146  | 698      | 0.004 | ppbv # | 1        |
| 77) 1,2-Dichlorobenzene       | 17.162 | 146  | 2279     | 0.012 | ppbv # | 42       |
| 78) Hexachloro-1,3-Butadiene  | 22.644 | 225  | 1912     | 0.015 | ppbv # | 46       |
| 79) Naphthalene               | 21.397 | 128  | 138      | 0.001 | ppbv # | 1        |
| 80) Naphthalene,2-methyl-     | 24.336 | 142  | 94       | 0.004 | ppbv # | 3        |
| 81) 1,2,4-Trichlorobenzene    | 21.162 | 180  | 418      | 0.004 | ppbv # | 11       |

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

Quant Time: Mar 12 05:52:13 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL031124AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Tue Mar 12 05:47:21 2024  
Response via : Initial Calibration

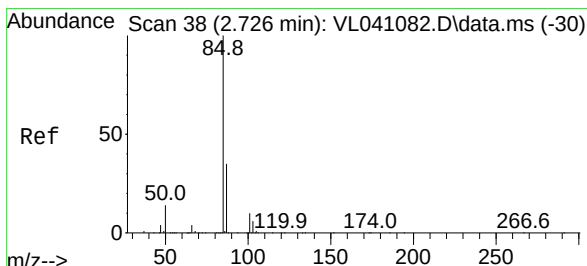
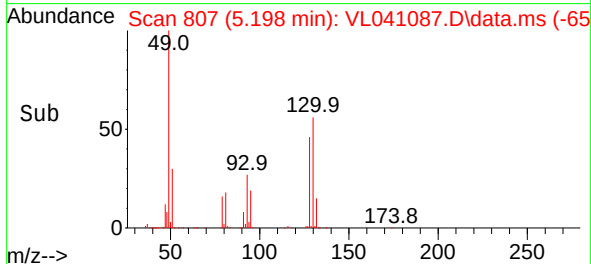
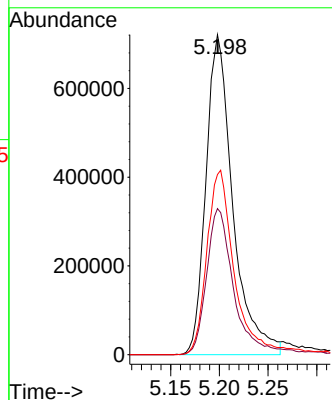
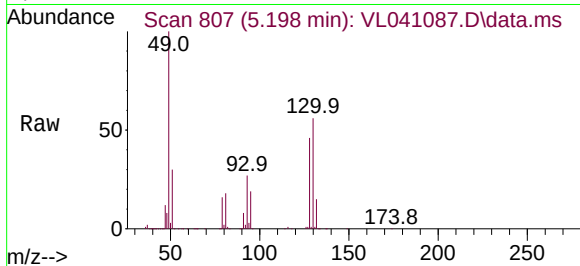




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.198 min Scan# 80  
Delta R.T. -0.003 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

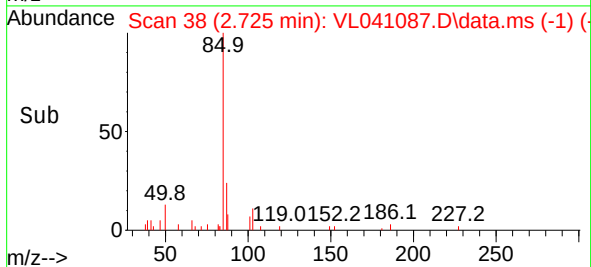
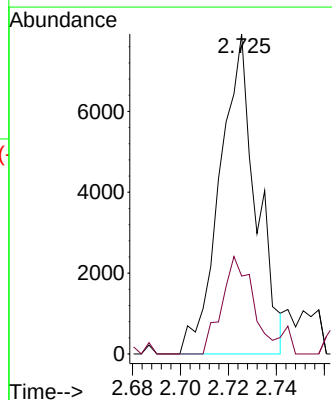
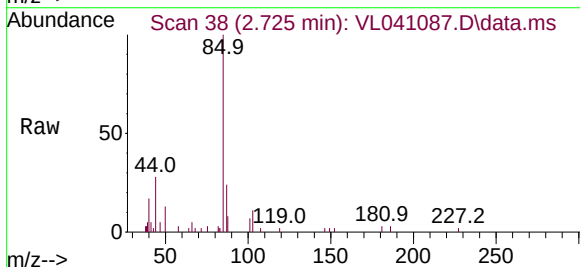
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

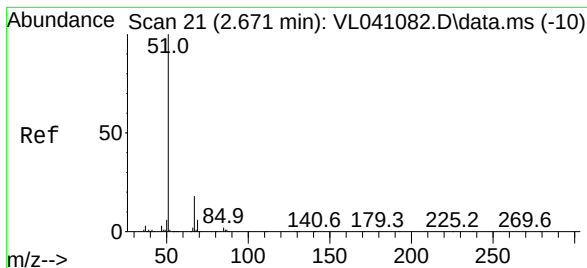
Tgt Ion: 49 Resp: 1385346  
Ion Ratio Lower Upper  
49 100  
128 47.6 23.8 71.5  
130 61.8 30.3 90.9



#2  
Dichlorodifluoromethane  
Concen: 0.031 ppbv  
RT: 2.725 min Scan# 38  
Delta R.T. -0.000 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion: 85 Resp: 8302  
Ion Ratio Lower Upper  
85 100  
87 31.9 28.1 42.1





#3

Chlorodifluoromethane

Concen: 0.035 ppbv

RT: 2.671 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

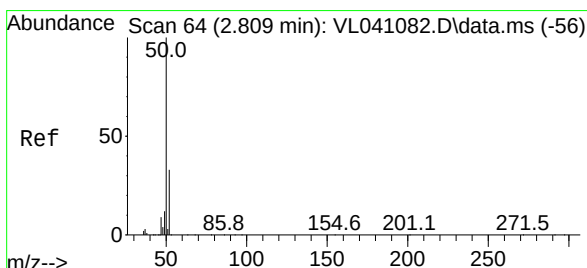
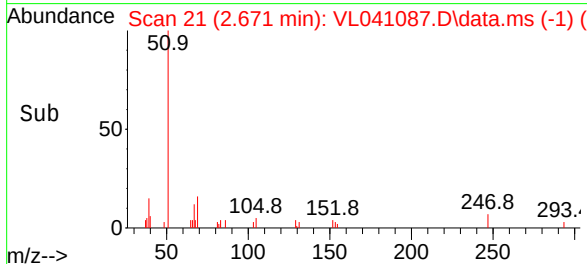
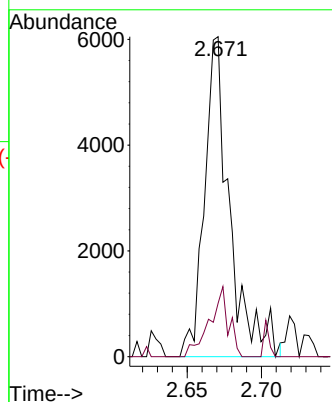
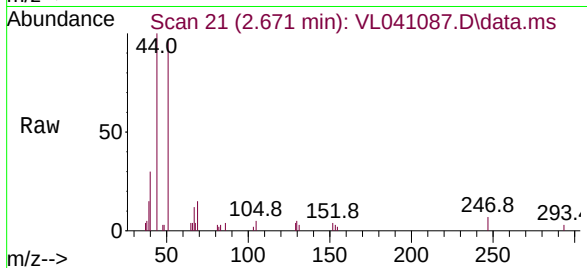
VSTDIC0.03

Tgt Ion: 51 Resp: 7149

Ion Ratio Lower Upper

51 100

67 16.5 14.5 21.7



#4

Chloromethane

Concen: 0.036 ppbv

RT: 2.812 min Scan# 65

Delta R.T. 0.003 min

Lab File: VL041087.D

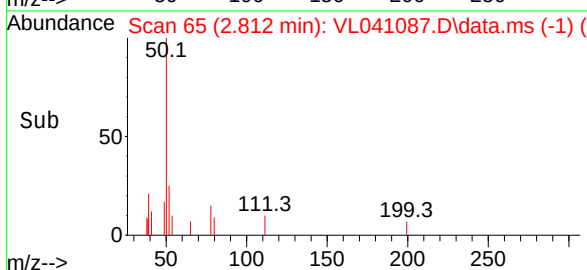
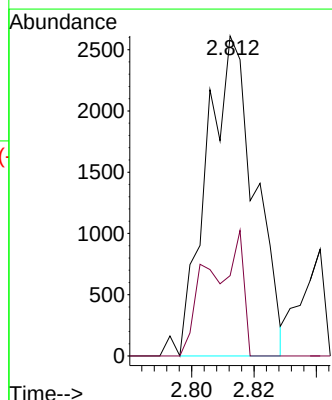
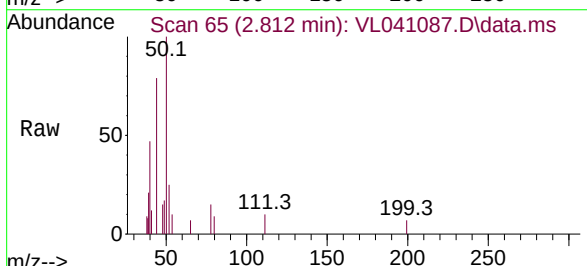
Acq: 11 Mar 2024 14:15

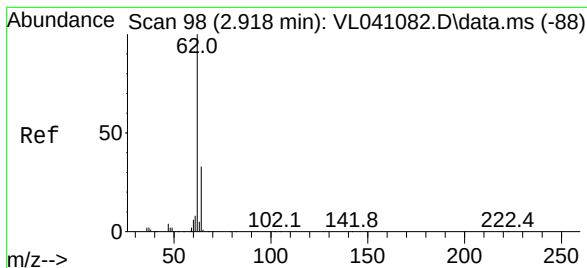
Tgt Ion: 50 Resp: 2785

Ion Ratio Lower Upper

50 100

52 25.1 26.6 40.0#

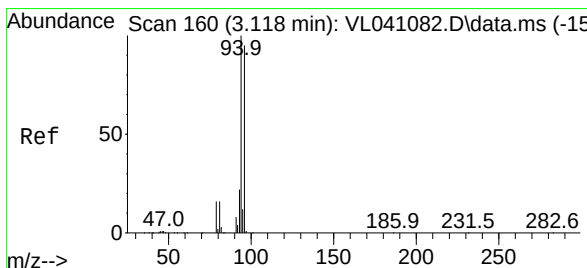
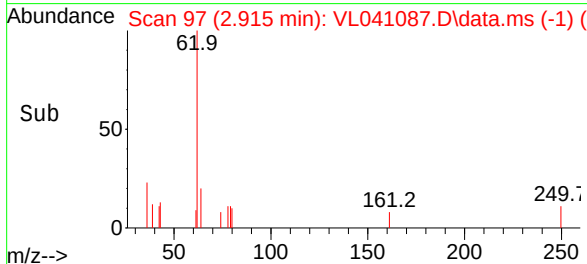
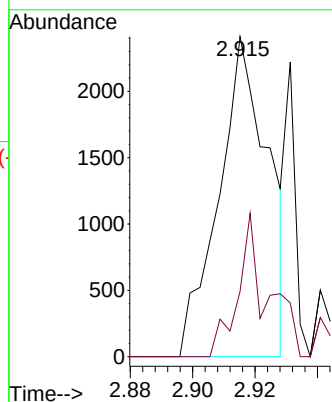
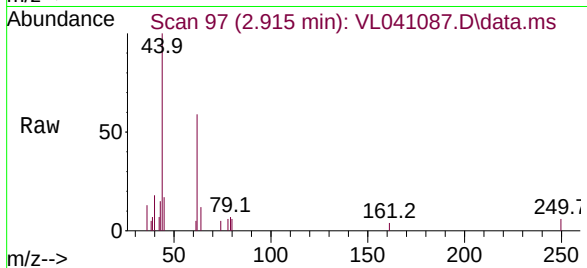




#5  
 Vinyl Chloride  
 Concen: 0.034 ppbv  
 RT: 2.915 min Scan# 91  
 Delta R.T. -0.003 min  
 Lab File: VL041087.D  
 Acq: 11 Mar 2024 14:15

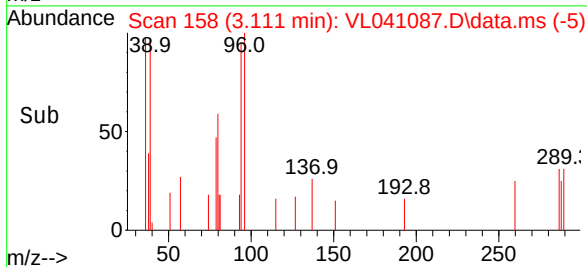
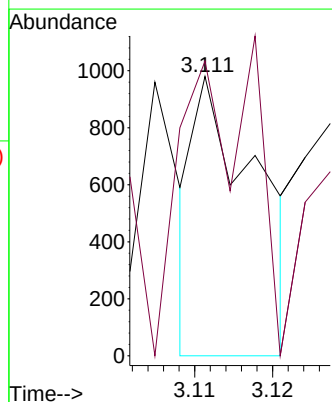
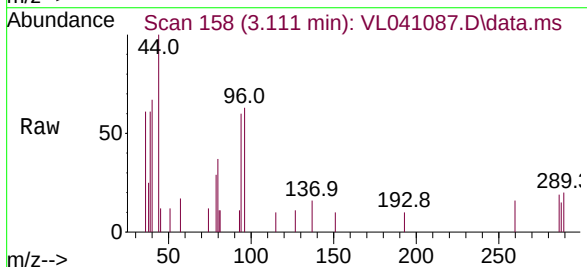
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03

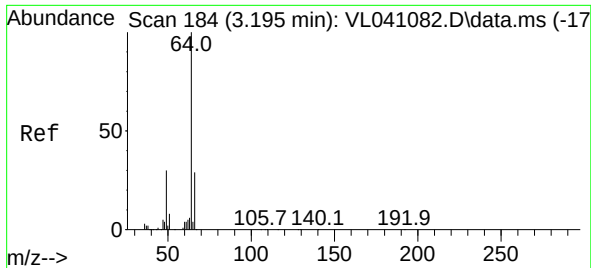
Tgt Ion: 62 Resp: 2637  
 Ion Ratio Lower Upper  
 62 100  
 64 20.4 26.5 39.7#



#6  
 Bromomethane  
 Concen: 0.018 ppbv  
 RT: 3.111 min Scan# 158  
 Delta R.T. -0.006 min  
 Lab File: VL041087.D  
 Acq: 11 Mar 2024 14:15

Tgt Ion: 94 Resp: 549  
 Ion Ratio Lower Upper  
 94 100  
 96 246.8 76.0 114.0#

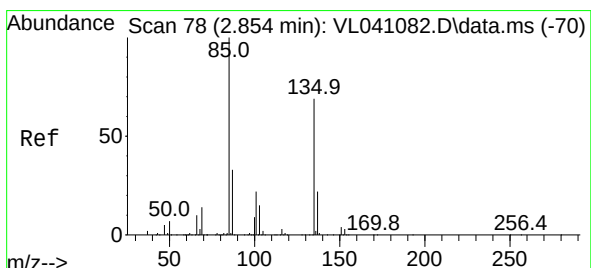
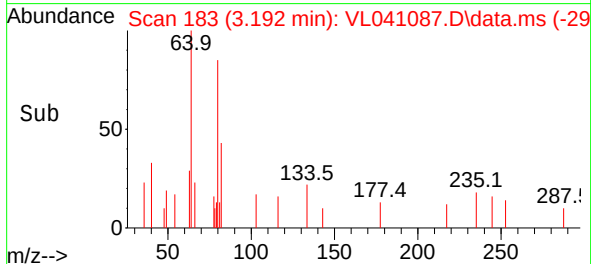
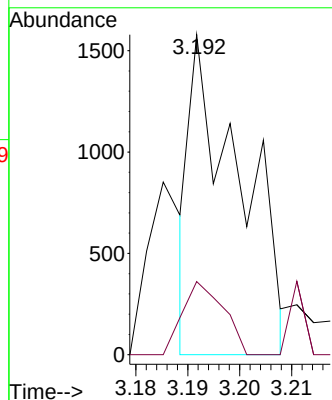
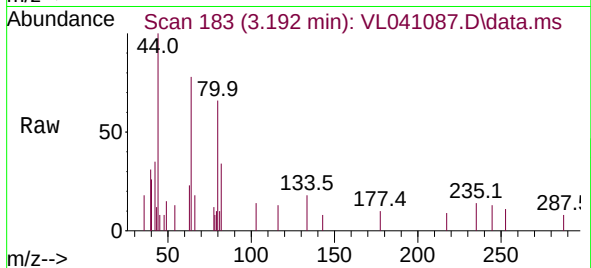




#7  
Chloroethane  
Concen: 0.038 ppbv  
RT: 3.192 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

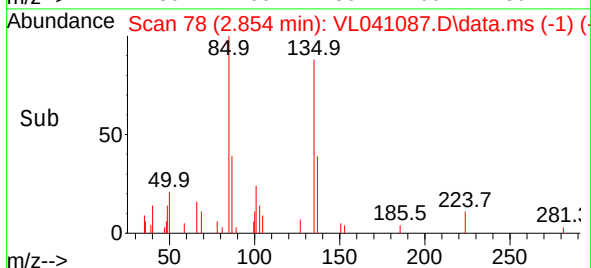
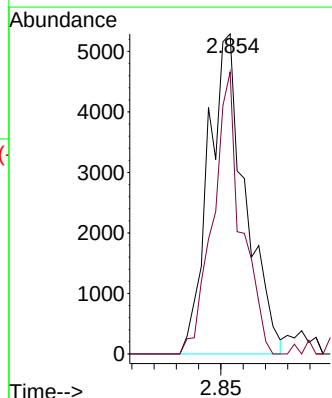
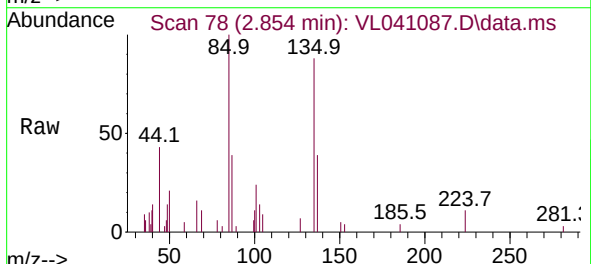
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

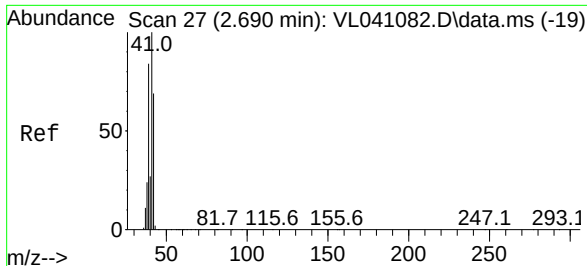
Tgt Ion: 64 Resp: 1058  
Ion Ratio Lower Upper  
64 100  
66 22.9 23.2 34.8#



#8  
Dichlorotetrafluoroethane  
Concen: 0.032 ppbv  
RT: 2.854 min Scan# 78  
Delta R.T. -0.000 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion: 85 Resp: 6062  
Ion Ratio Lower Upper  
85 100  
135 68.5 56.7 85.1

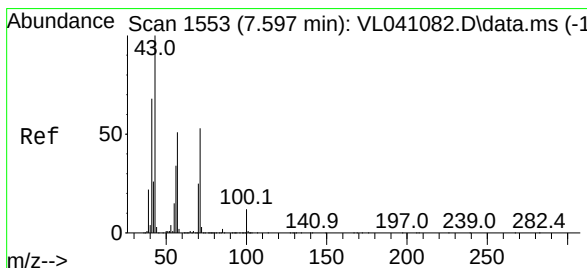
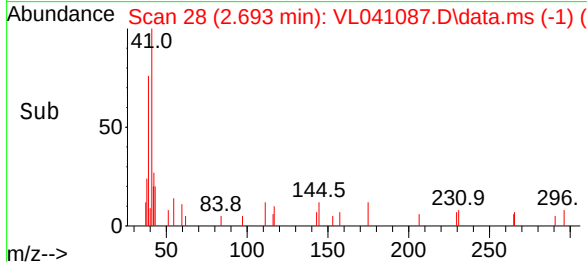
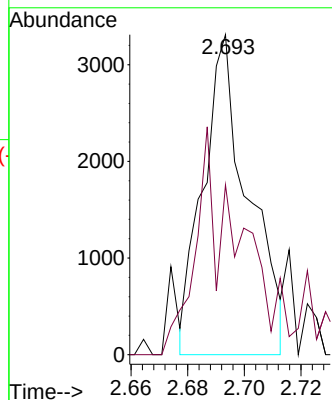
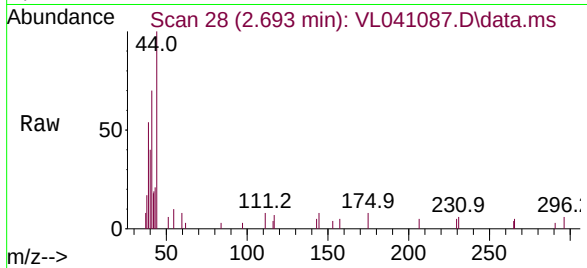




#9  
Propene  
Concen: 0.054 ppbv  
RT: 2.693 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

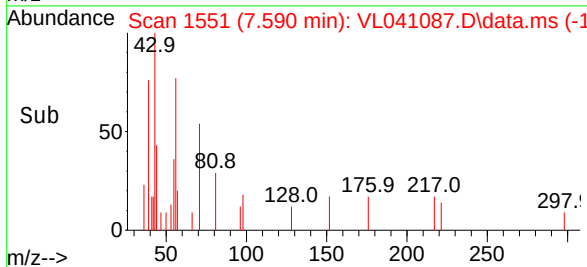
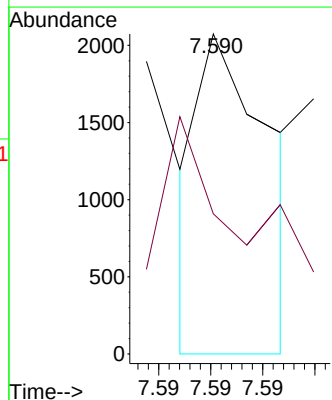
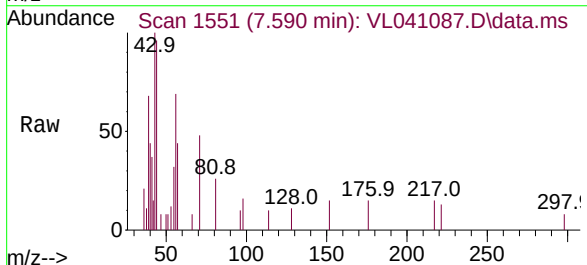
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

Tgt Ion: 41 Resp: 3665  
Ion Ratio Lower Upper  
41 100  
42 79.2 55.9 83.9

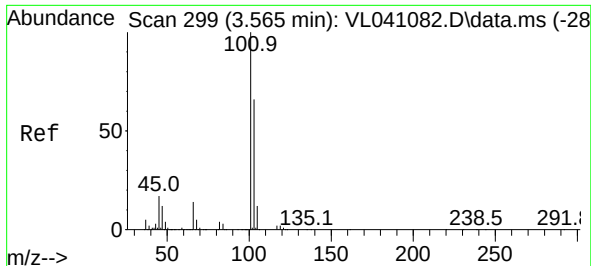


#10  
Heptane  
Concen: 0.006 ppbv  
RT: 7.590 min Scan# 1551  
Delta R.T. -0.006 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion: 43 Resp: 975  
Ion Ratio Lower Upper  
43 100  
57 225.6 41.0 61.6#







#11

Trichlorofluoromethane

Concen: 0.031 ppbv

RT: 3.558 min Scan# 299

Delta R.T. -0.006 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

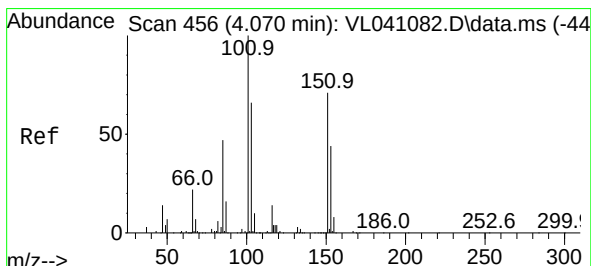
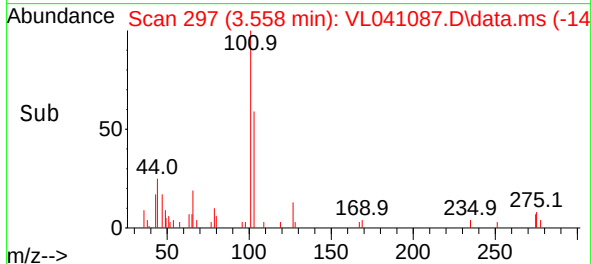
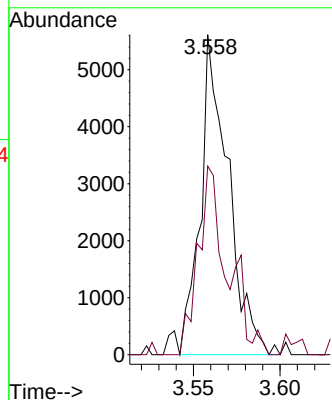
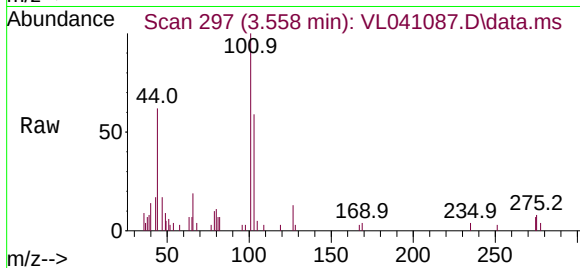
VSTDIC0.03

Tgt Ion:101 Resp: 6276

Ion Ratio Lower Upper

101 100

103 58.9 53.0 79.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.011 ppbv

RT: 4.063 min Scan# 454

Delta R.T. -0.006 min

Lab File: VL041087.D

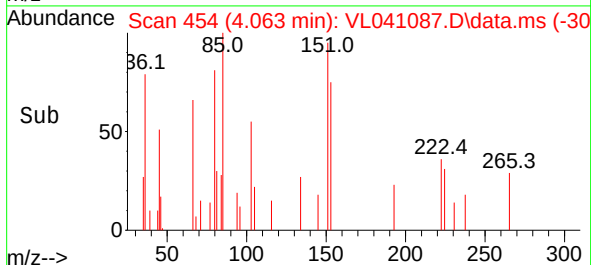
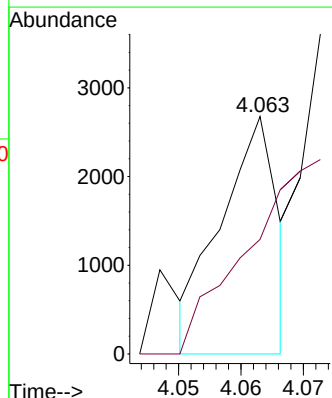
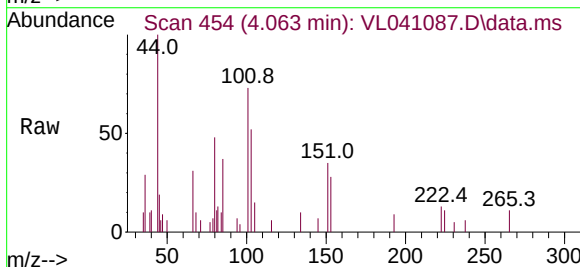
Acq: 11 Mar 2024 14:15

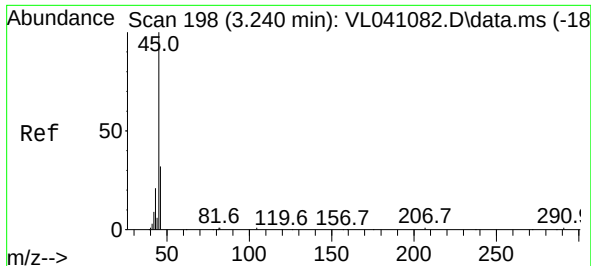
Tgt Ion:101 Resp: 1688

Ion Ratio Lower Upper

101 100

151 0.0 55.8 83.8#





#13

Ethanol

Concen: 0.006 ppbv

RT: 3.237 min Scan# 198

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

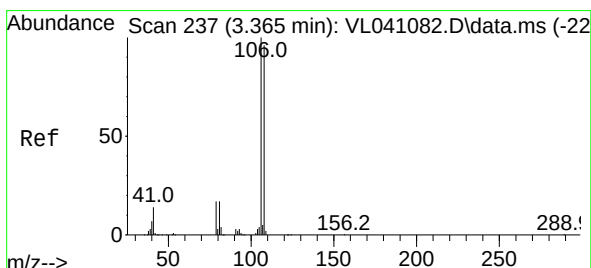
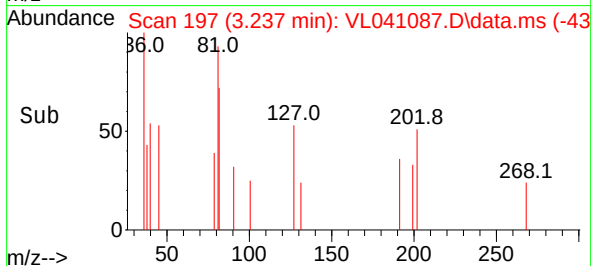
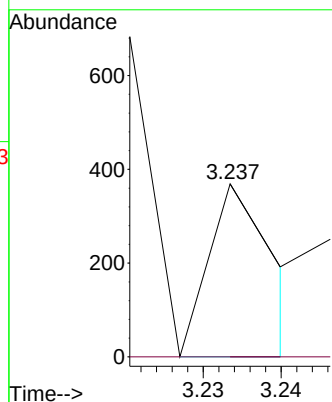
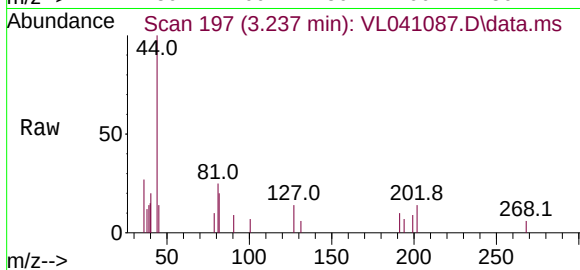
VSTDIC0.03

Tgt Ion: 45 Resp: 108

Ion Ratio Lower Upper

45 100

46 0.0 14.6 58.2#



#14

Bromoethene

Concen: 0.008 ppbv

RT: 3.365 min Scan# 237

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

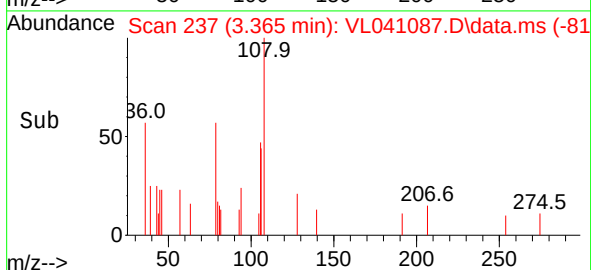
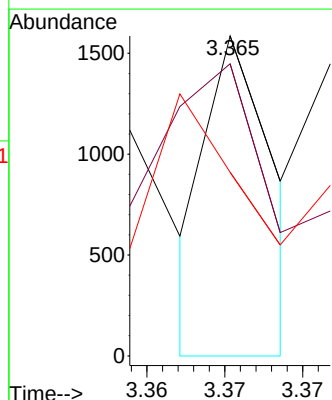
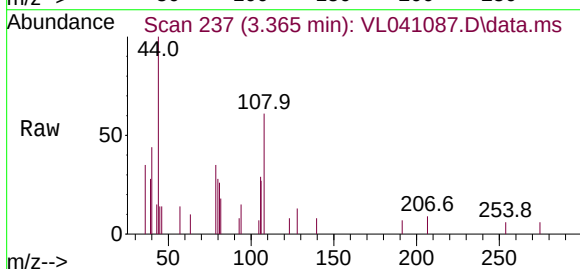
Tgt Ion:108 Resp: 473

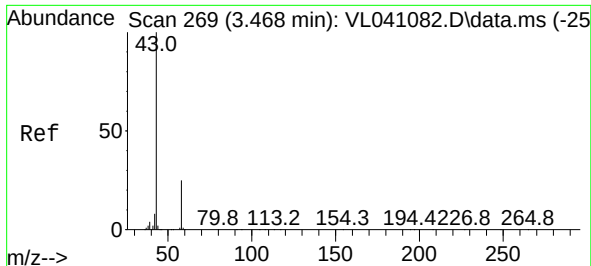
Ion Ratio Lower Upper

108 100

106 351.8 88.1 132.1#

79 0.0 15.6 23.4#





#15

Acetone

Concen: 0.001 ppbv

RT: 3.446 min Scan# 2

Delta R.T. -0.023 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

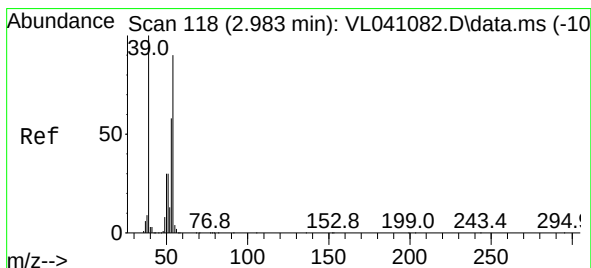
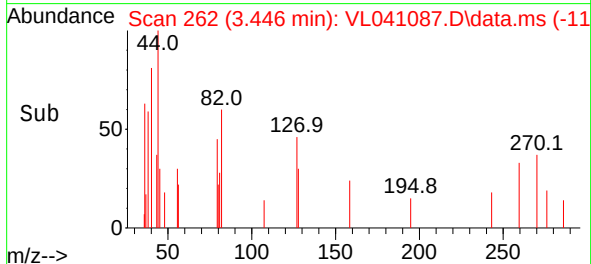
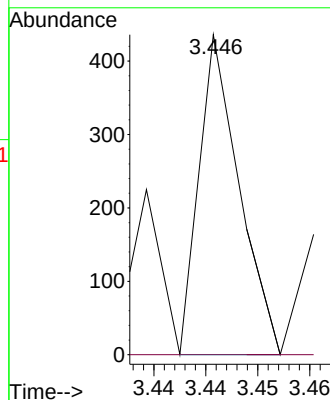
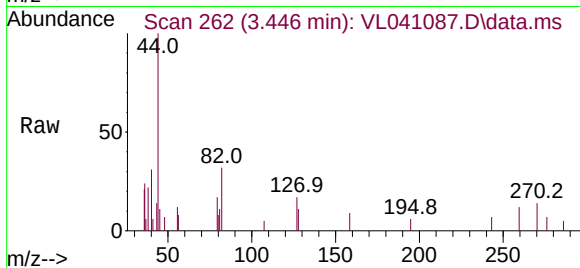
VSTDIC0.03

Tgt Ion: 43 Resp: 117

Ion Ratio Lower Upper

43 100

58 0.0 21.7 32.5#



#16

1,3-Butadiene

Concen: 0.015 ppbv

RT: 2.983 min Scan# 118

Delta R.T. -0.000 min

Lab File: VL041087.D

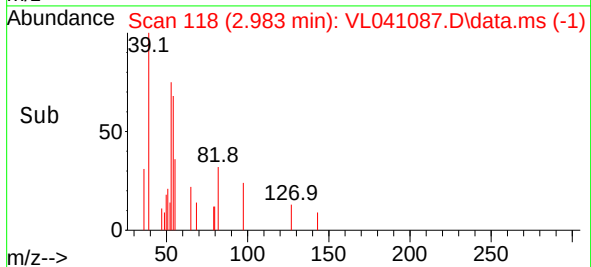
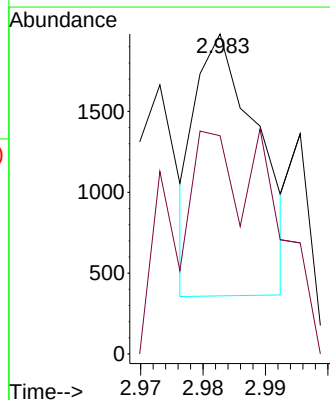
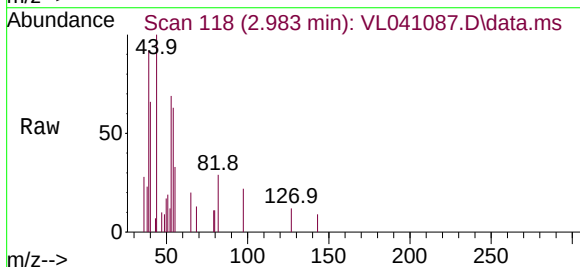
Acq: 11 Mar 2024 14:15

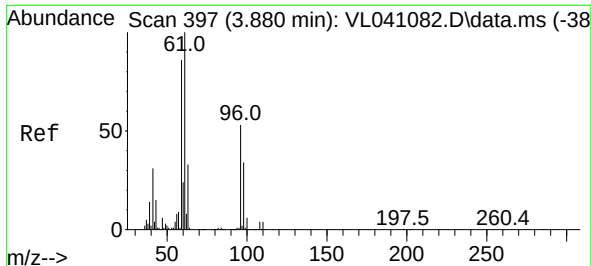
Tgt Ion: 39 Resp: 1123

Ion Ratio Lower Upper

39 100

54 149.5 64.0 96.0#





#17

tert-Butyl alcohol

Concen: 0.016 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.035 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

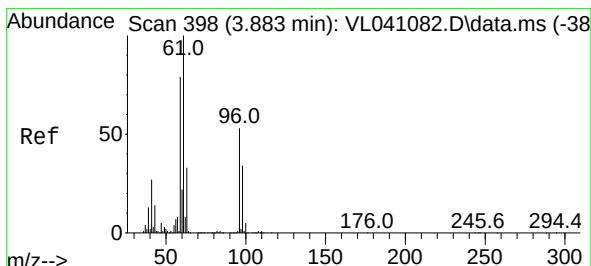
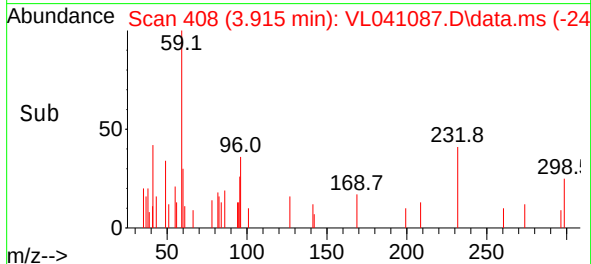
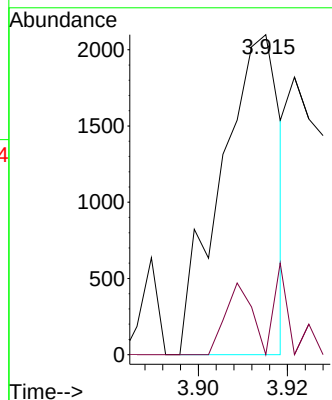
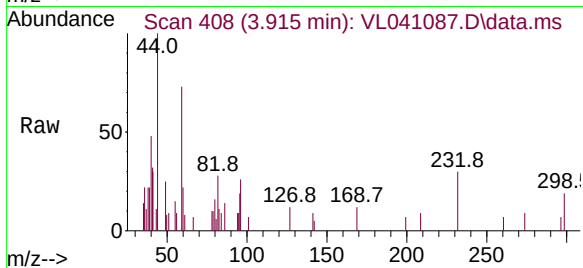
VSTDICC0.03

Tgt Ion: 59 Resp: 1923

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



#18

1,1-Dichloroethene

Concen: 0.021 ppbv

RT: 3.883 min Scan# 398

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

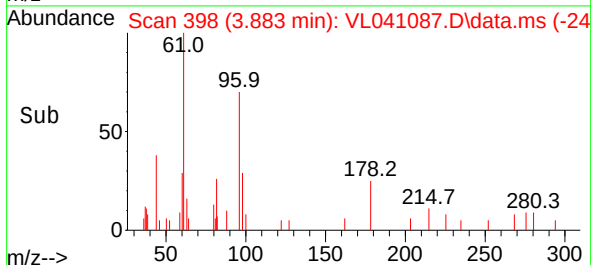
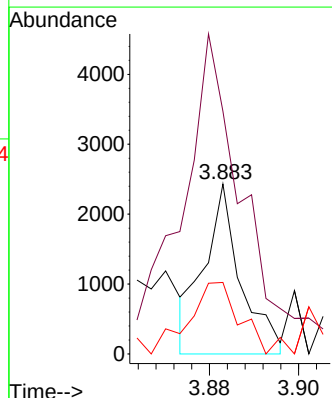
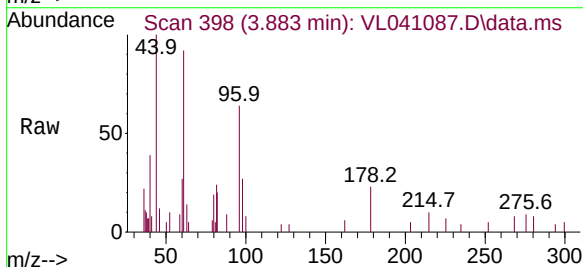
Tgt Ion: 96 Resp: 1385

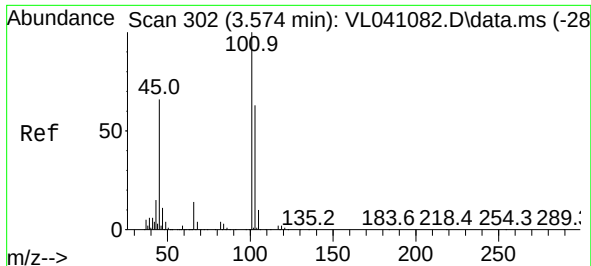
Ion Ratio Lower Upper

96 100

61 124.1 150.2 225.2#

98 34.6 50.7 76.1#





#19

Isopropyl Alcohol

Concen: 0.006 ppbv

RT: 3.590 min Scan# 302

Delta R.T. 0.016 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

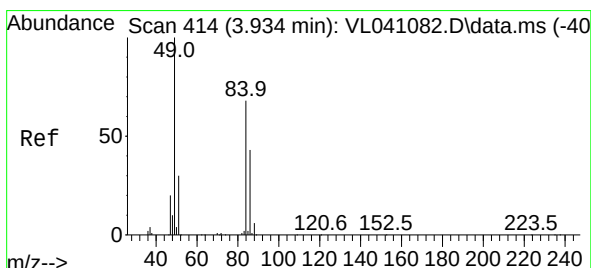
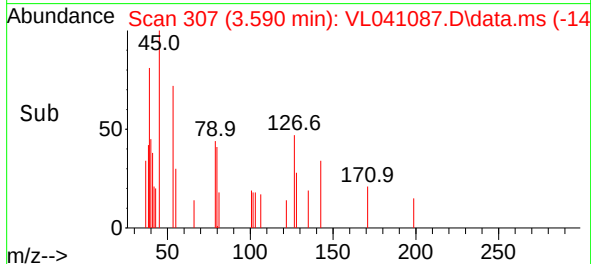
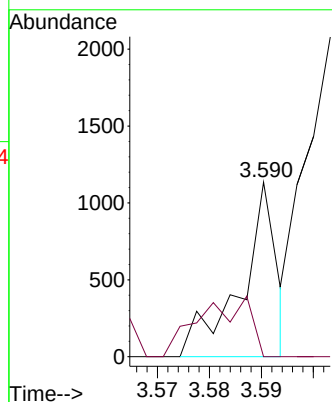
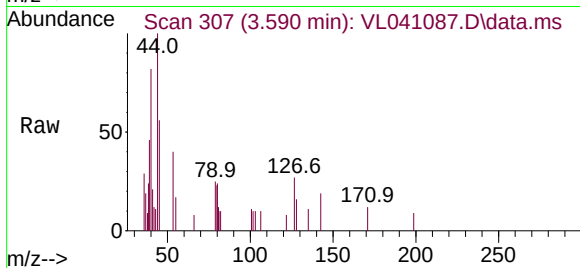
VSTDIC0.03

Tgt Ion: 45 Resp: 541

Ion Ratio Lower Upper

45 100

58 68.2 2.2 3.4#



#20

Methylene Chloride

Concen: 0.063 ppbv

RT: 3.931 min Scan# 413

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Tgt Ion: 84 Resp: 3897

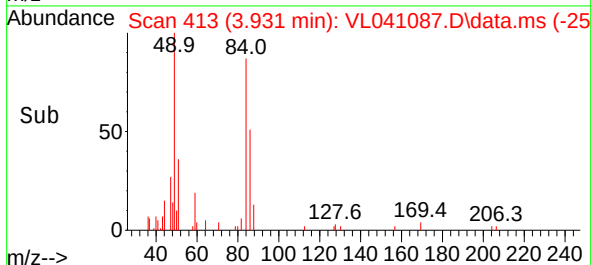
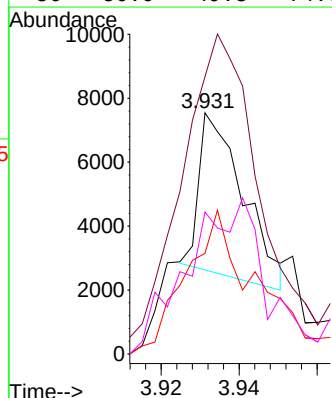
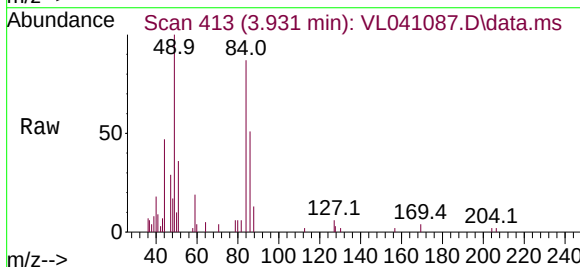
Ion Ratio Lower Upper

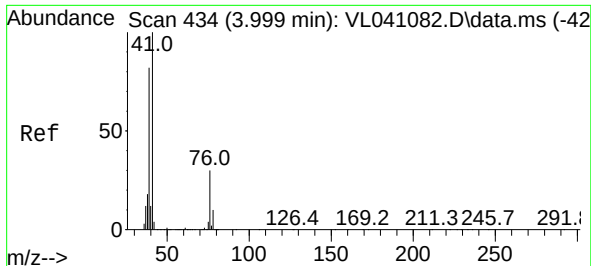
84 100

49 127.0 117.0 175.6

51 30.2 34.9 52.3#

86 56.9 49.8 74.6

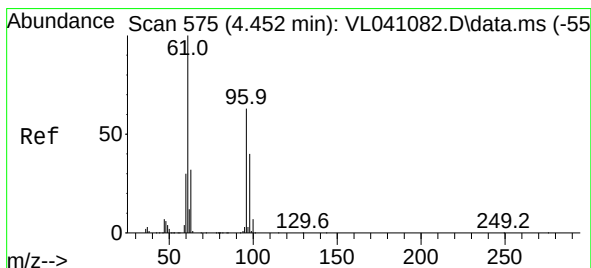
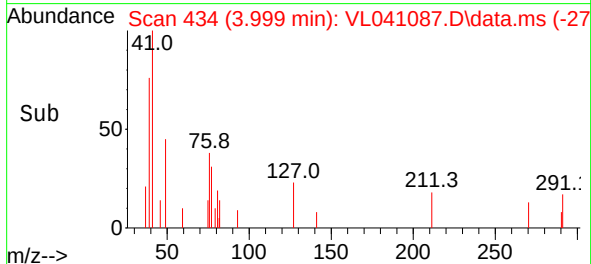
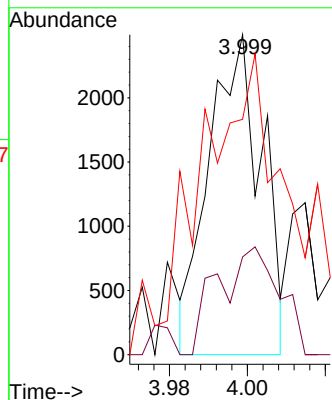
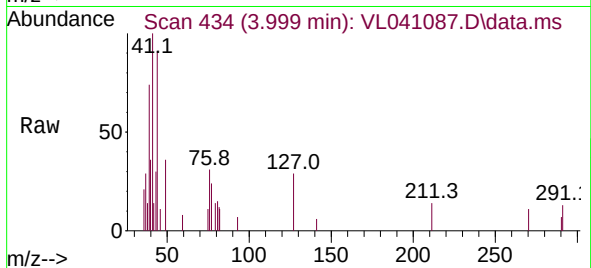




#21  
Allyl Chloride  
Concen: 0.026 ppbv  
RT: 3.999 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

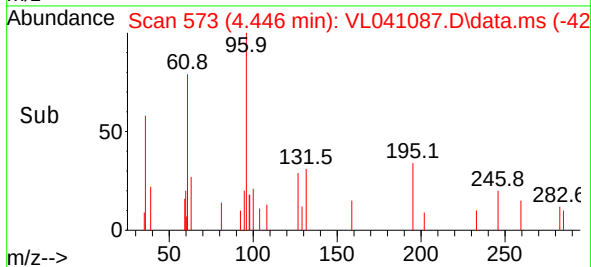
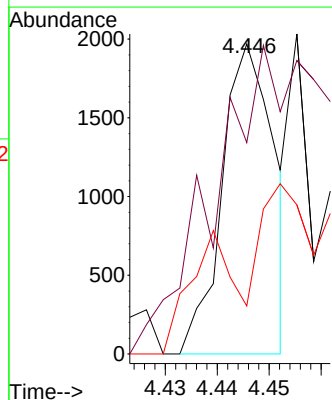
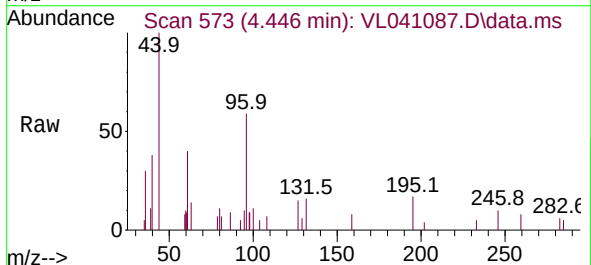
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

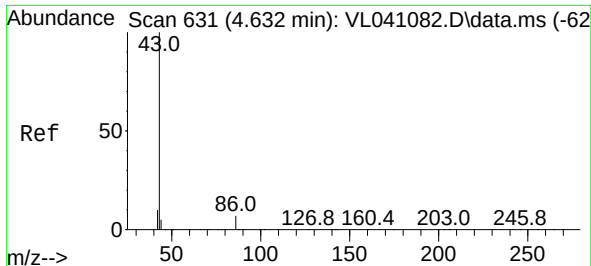
Tgt Ion: 41 Resp: 2350  
Ion Ratio Lower Upper  
41 100  
76 42.9 25.5 38.3#  
39 241.6 67.4 101.2#



#22  
trans-1,2-Dichloroethene  
Concen: 0.018 ppbv  
RT: 4.446 min Scan# 573  
Delta R.T. -0.006 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion: 96 Resp: 1376  
Ion Ratio Lower Upper  
96 100  
61 46.9 126.7 190.1#  
98 0.0 50.1 75.1#

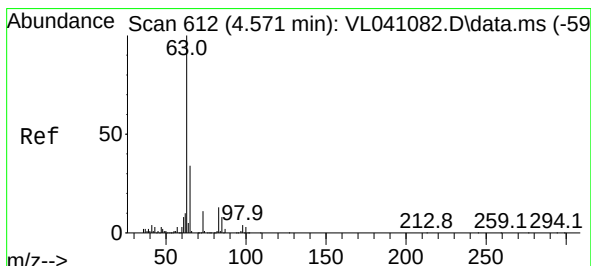
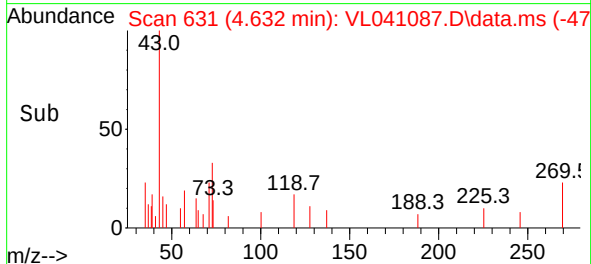
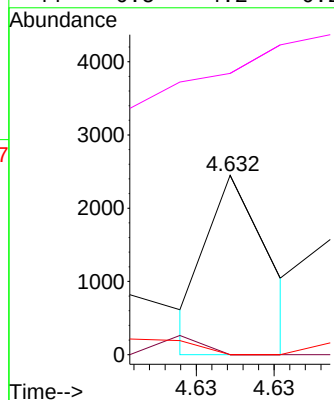
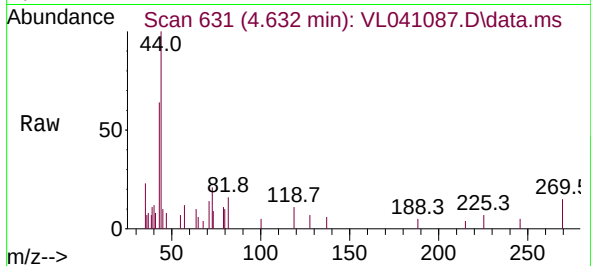




#23  
 Vinyl Acetate  
 Concen: 0.004 ppbv  
 RT: 4.632 min Scan# 611  
 Delta R.T. -0.000 min  
 Lab File: VL041087.D  
 Acq: 11 Mar 2024 14:15

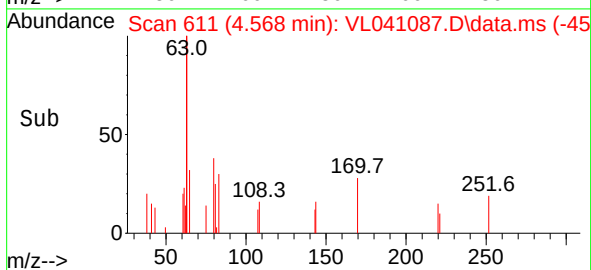
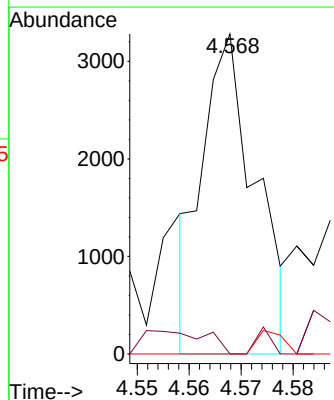
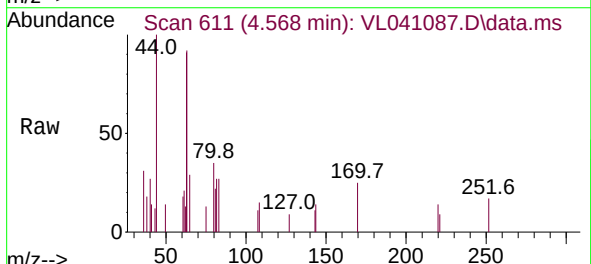
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.03

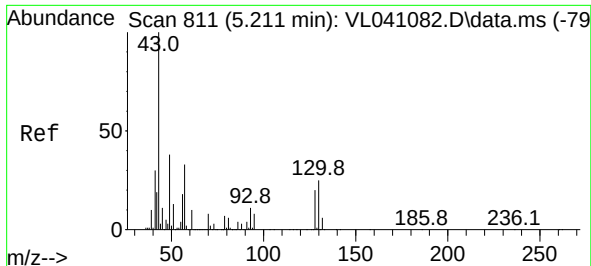
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 674   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 5.4   | 8.2#  |
| 42       | 0.0   | 8.0   | 12.0# |
| 44       | 6.5   | 4.2   | 6.2#  |



#24  
 1,1-Dichloroethane  
 Concen: 0.014 ppbv  
 RT: 4.568 min Scan# 611  
 Delta R.T. -0.003 min  
 Lab File: VL041087.D  
 Acq: 11 Mar 2024 14:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 2307  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 0.0   | 2.1   | 6.5#  |
| 100      | 0.0   | 1.4   | 4.2#  |





#25

Ethyl Acetate

Concen: 0.005 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.003 min

Lab File: VL041087.D

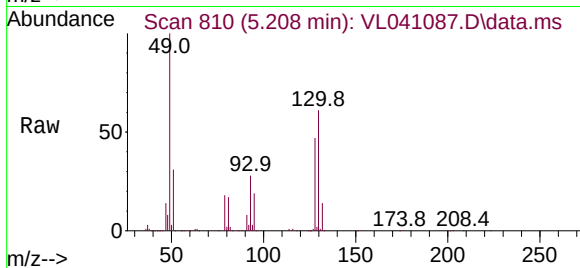
Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03



Tgt Ion: 43 Resp: 1324

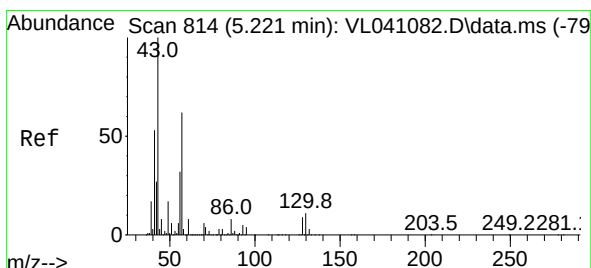
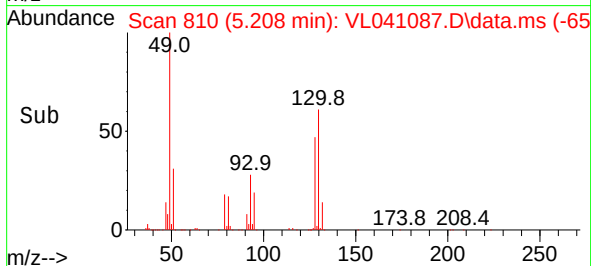
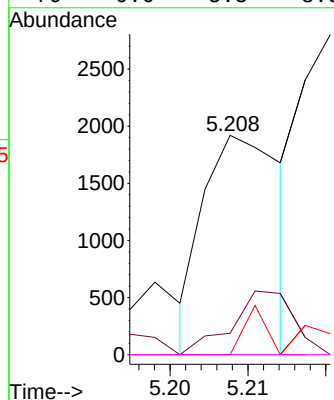
Ion Ratio Lower Upper

43 100

45 0.0 8.2 12.2#

61 0.0 8.2 12.2#

70 0.0 5.5 8.3#



#26

Hexane

Concen: 0.012 ppbv

RT: 5.217 min Scan# 813

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Tgt Ion: 57 Resp: 1520

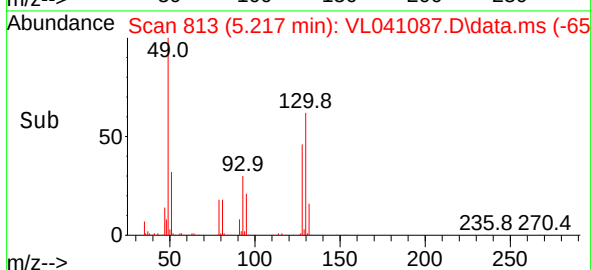
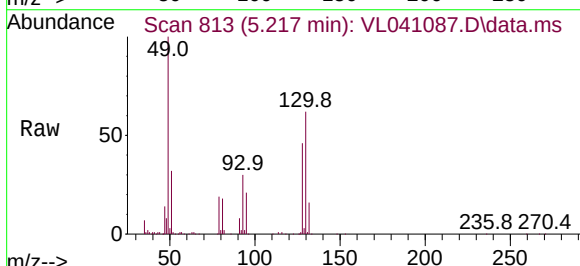
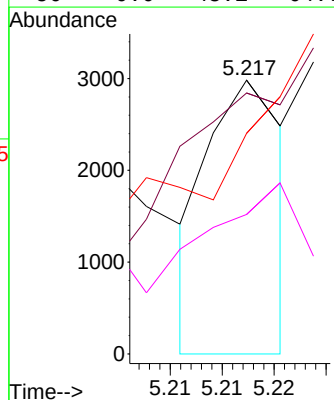
Ion Ratio Lower Upper

57 100

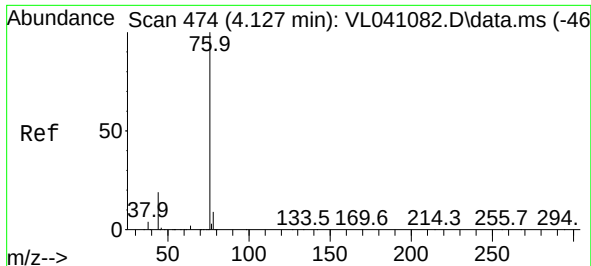
41 0.0 73.8 110.6#

43 0.0 184.2 276.2#

56 0.0 43.1 64.7#



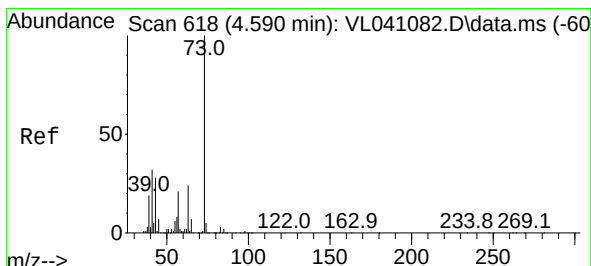
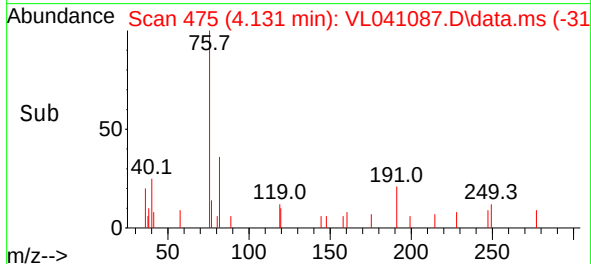
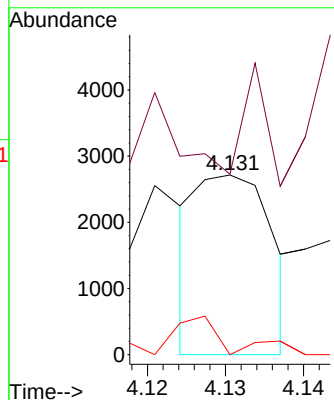
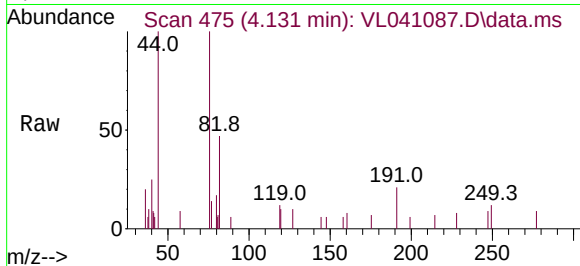




#27  
Carbon Disulfide  
Concen: 0.012 ppbv  
RT: 4.131 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

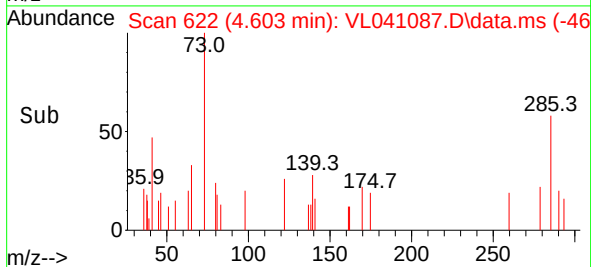
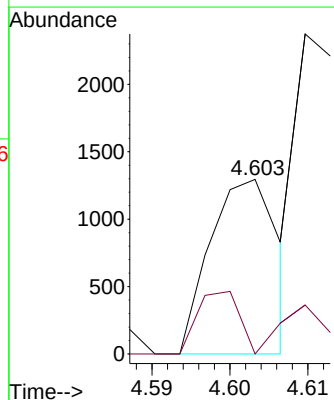
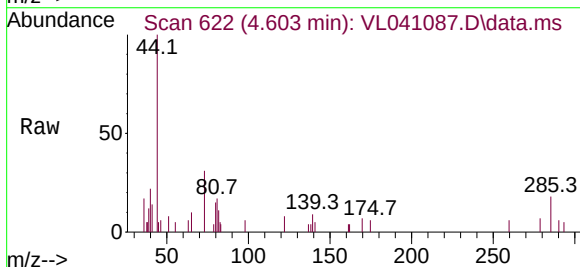
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

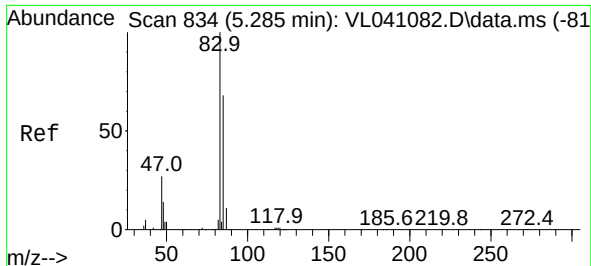
Tgt Ion: 76 Resp: 1819  
Ion Ratio Lower Upper  
76 100  
44 0.0 16.0 24.0#  
78 28.7 7.5 11.3#



#28  
Methyl tert-Butyl Ether  
Concen: 0.007 ppbv  
RT: 4.603 min Scan# 622  
Delta R.T. 0.013 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion: 73 Resp: 786  
Ion Ratio Lower Upper  
73 100  
57 0.0 18.2 27.4#





#29

Chloroform

Concen: 0.005 ppbv

RT: 5.262 min Scan# 81

Delta R.T. -0.023 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

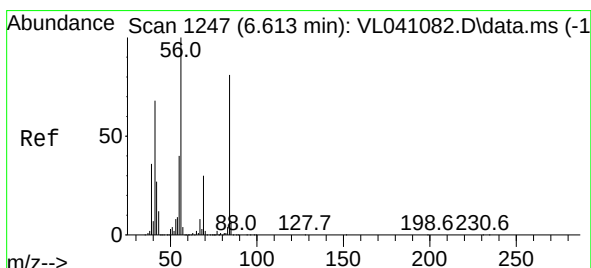
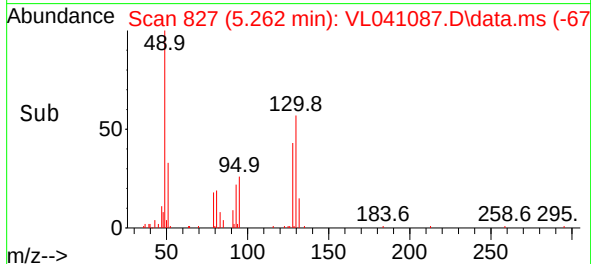
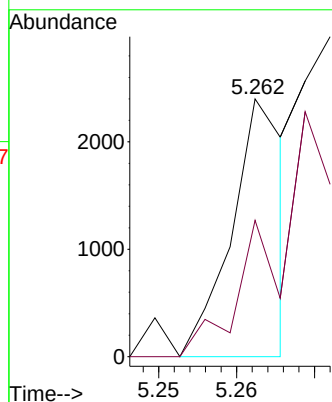
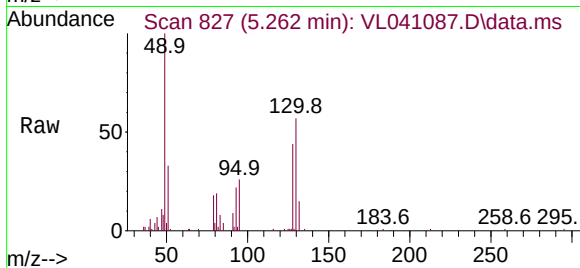
VSTDIC0.03

Tgt Ion: 83 Resp: 1142

Ion Ratio Lower Upper

83 100

85 71.6 54.6 82.0



#30

Cyclohexane

Concen: 0.003 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. -0.006 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

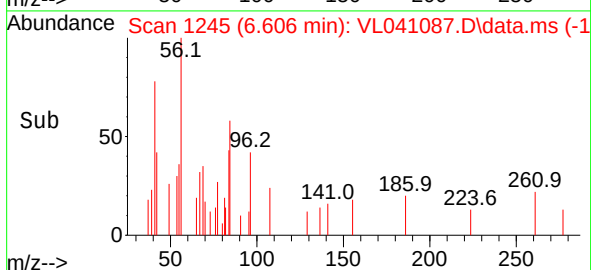
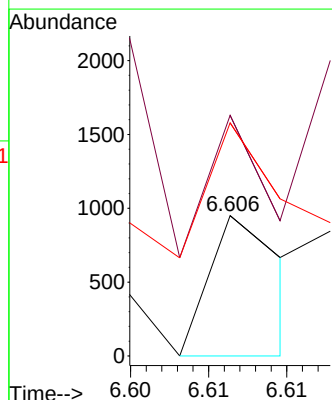
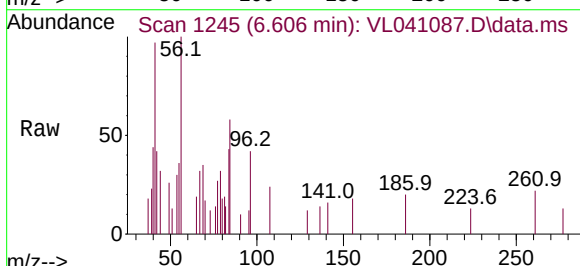
Tgt Ion: 84 Resp: 311

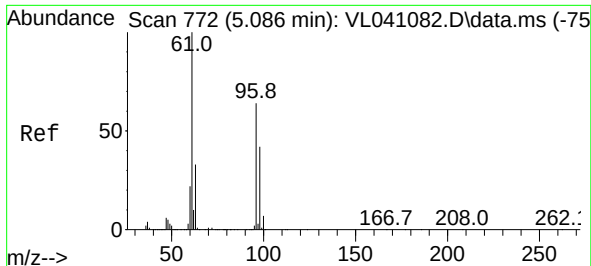
Ion Ratio Lower Upper

84 100

56 0.0 110.4 165.6#

41 0.0 70.6 105.8#





#31

cis-1,2-Dichloroethene

Concen: 0.015 ppbv

RT: 5.082 min Scan# 71

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

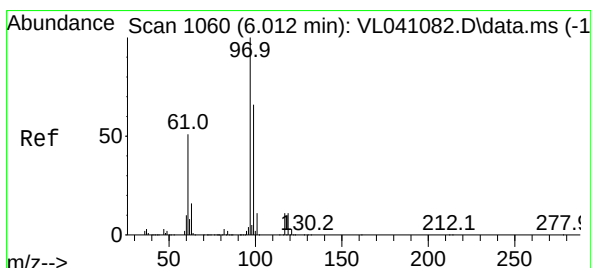
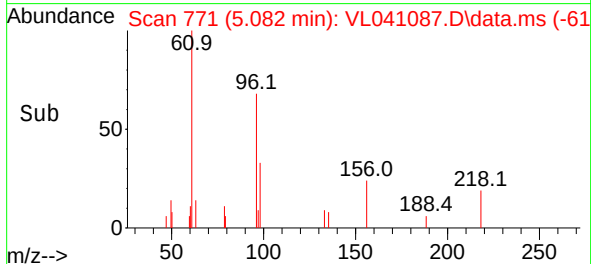
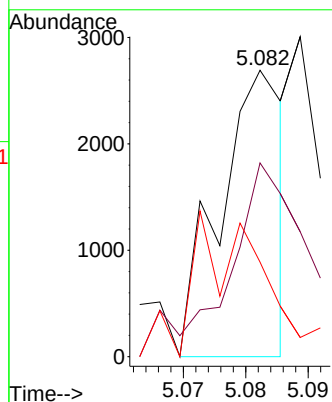
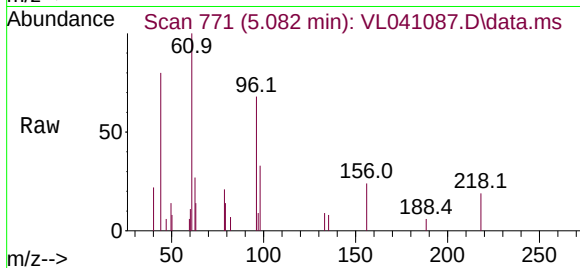
Tgt Ion: 61 Resp: 1910

Ion Ratio Lower Upper

61 100

96 60.3 51.2 76.8

98 33.0 33.4 50.0#



#32

1,1,1-Trichloroethane

Concen: 0.016 ppbv

RT: 6.008 min Scan# 1059

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

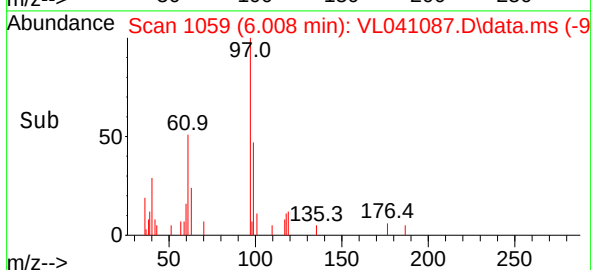
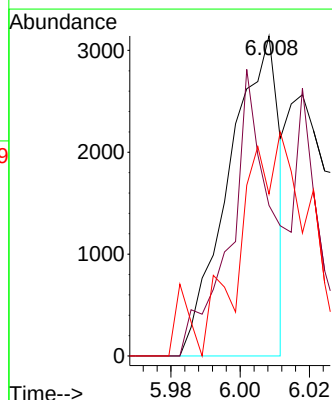
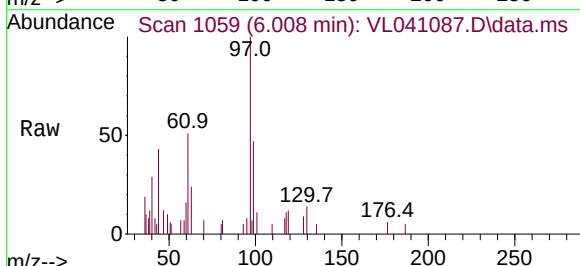
Tgt Ion: 97 Resp: 3170

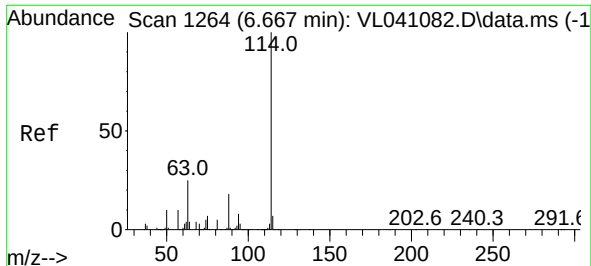
Ion Ratio Lower Upper

97 100

99 115.0 52.4 78.6#

61 111.3 40.4 60.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03

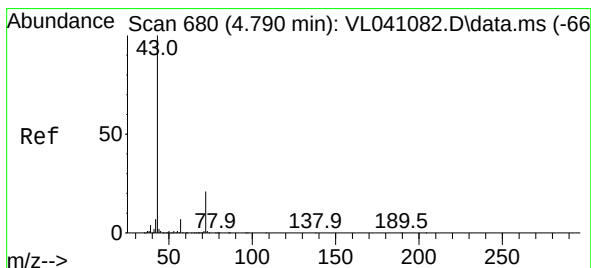
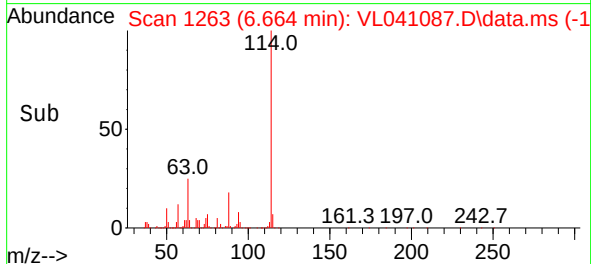
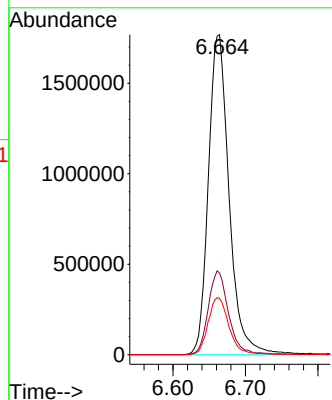
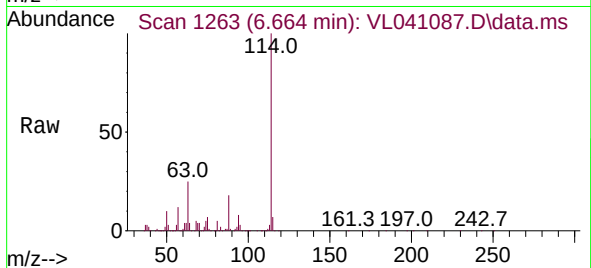
Tgt Ion:114 Resp: 3497943

Ion Ratio Lower Upper

114 100

63 26.0 21.0 31.6

88 18.1 14.6 22.0



#34

2-Butanone

Concen: 0.001 ppbv

RT: 4.787 min Scan# 679

Delta R.T. -0.003 min

Lab File: VL041087.D

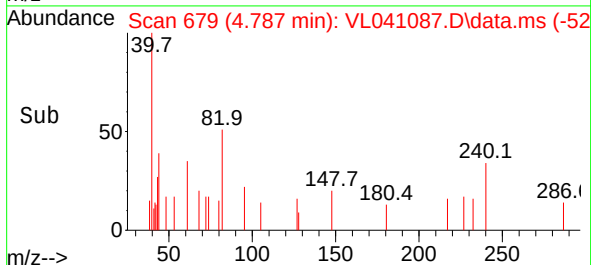
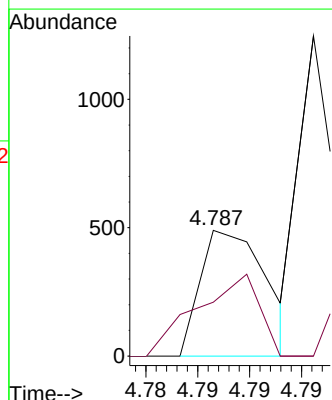
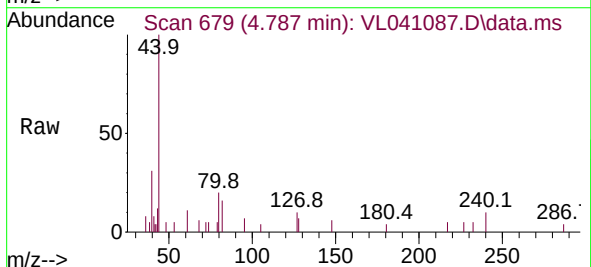
Acq: 11 Mar 2024 14:15

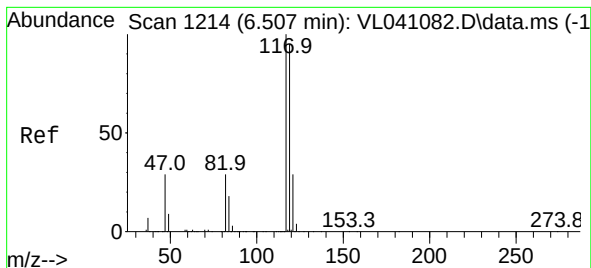
Tgt Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.0#





#35

Carbon Tetrachloride

Concen: 0.015 ppbv

RT: 6.500 min Scan# 117

Delta R.T. -0.006 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

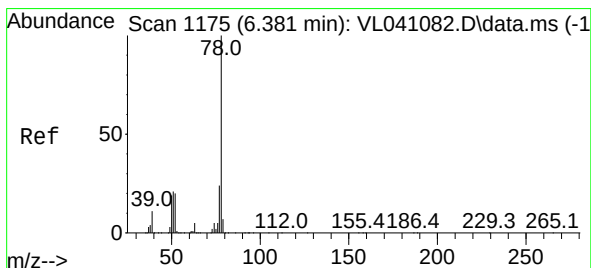
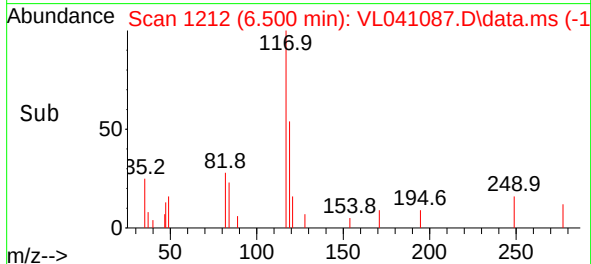
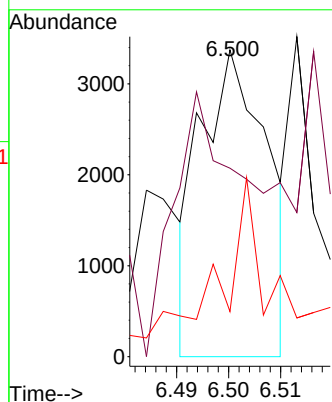
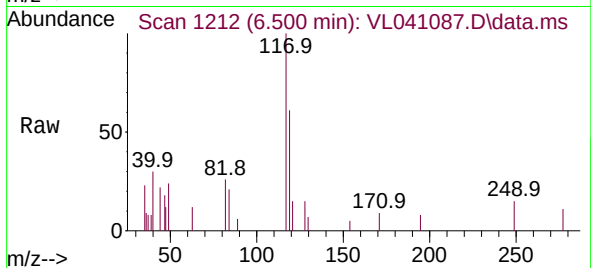
Tgt Ion:117 Resp: 3002

Ion Ratio Lower Upper

117 100

119 11.5 75.6 113.4#

121 2.4 23.4 35.2#



#36

Benzene

Concen: 0.009 ppbv

RT: 6.381 min Scan# 1175

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

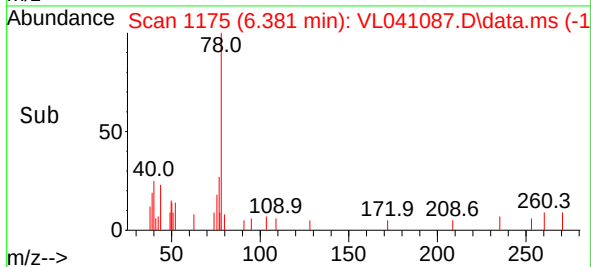
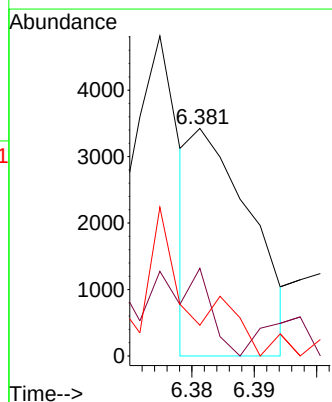
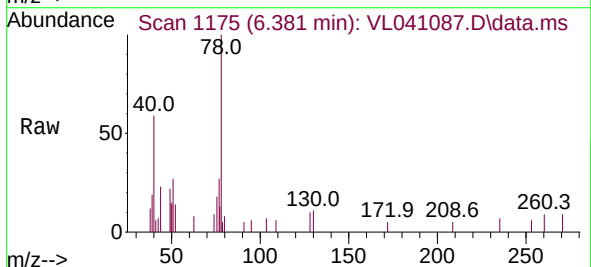
Tgt Ion: 78 Resp: 2273

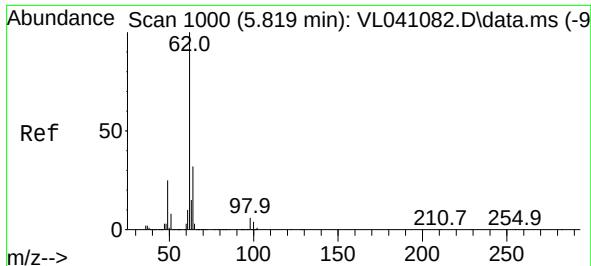
Ion Ratio Lower Upper

78 100

77 41.9 18.8 28.2#

50 50.5 15.5 23.3#





#37

1,2-Dichloroethane

Concen: 0.011 ppbv

RT: 5.815 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_1

ClientSampleId :

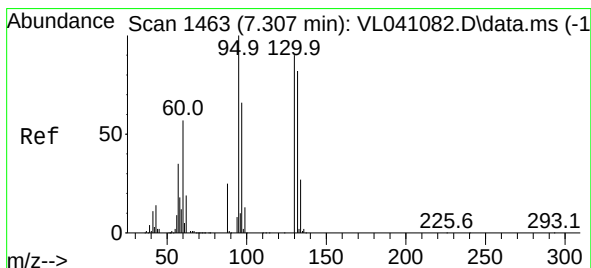
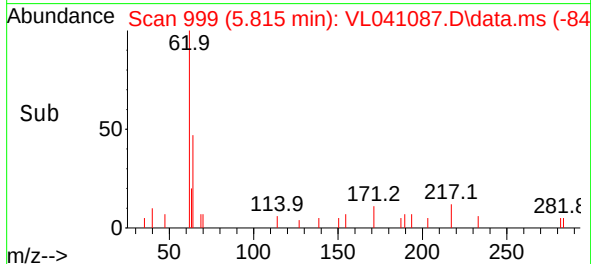
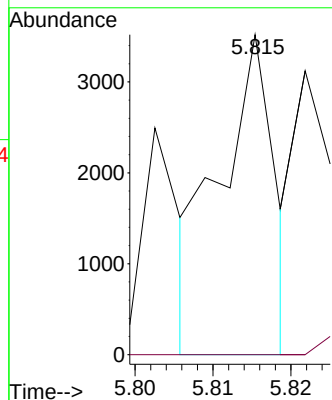
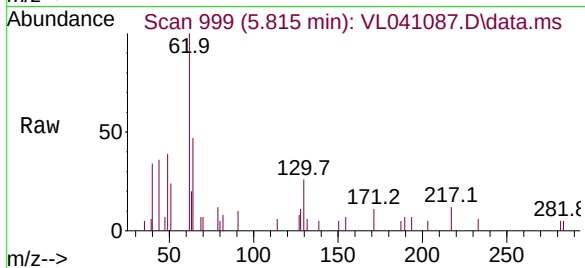
VSTDIC0.03

Tgt Ion: 62 Resp: 1718

Ion Ratio Lower Upper

62 100

98 0.0 4.6 6.8#



#38

Trichloroethene

Concen: 0.018 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Tgt Ion:130 Resp: 1782

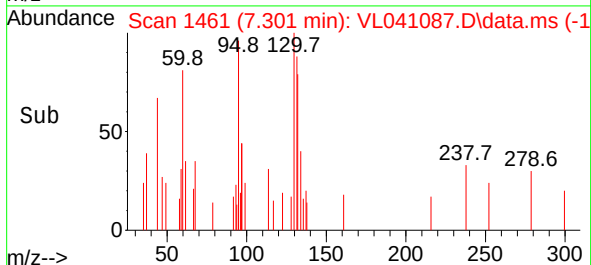
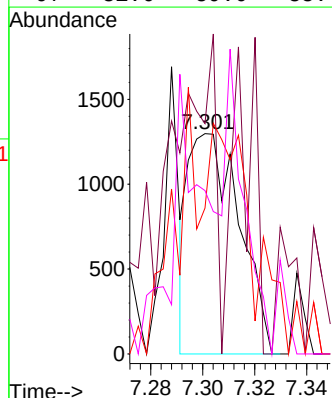
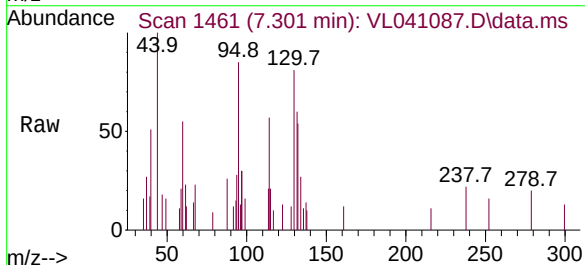
Ion Ratio Lower Upper

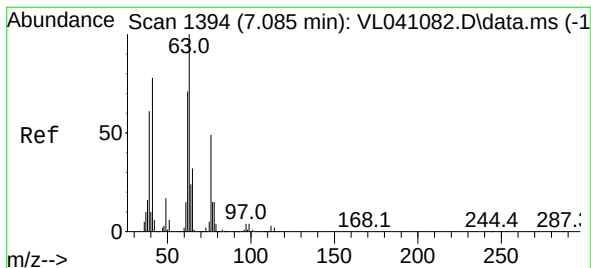
130 100

95 47.1 88.8 133.2#

132 33.8 73.0 109.4#

97 31.6 59.0 88.4#





#39

1,2-Dichloropropane

Concen: 8.524 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.424 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.03

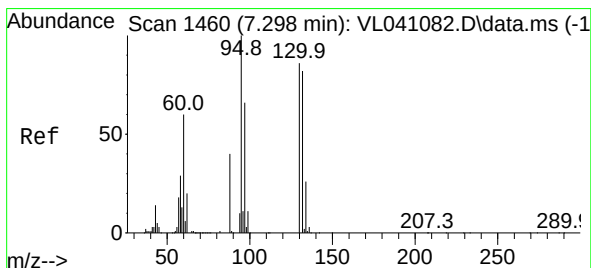
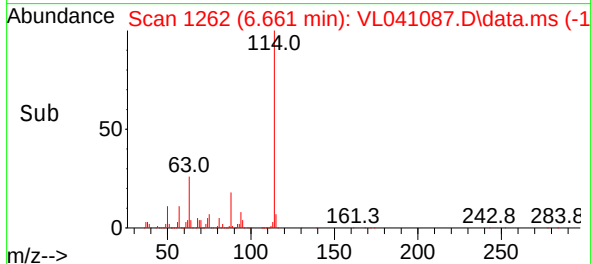
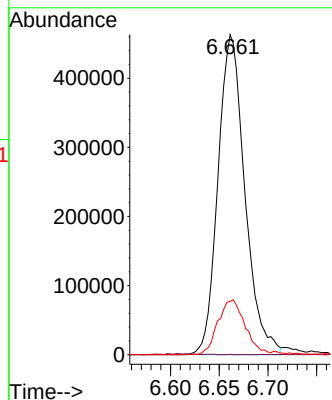
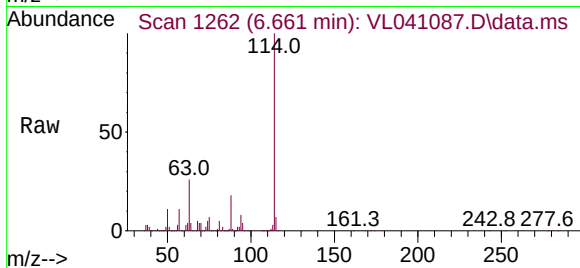
Tgt Ion: 63 Resp: 887528

Ion Ratio Lower Upper

63 100

41 0.1 62.2 93.4#

62 16.7 57.0 85.4#



#40

1,4-Dioxane

Concen: 0.002 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. -0.026 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Tgt Ion: 88 Resp: 91

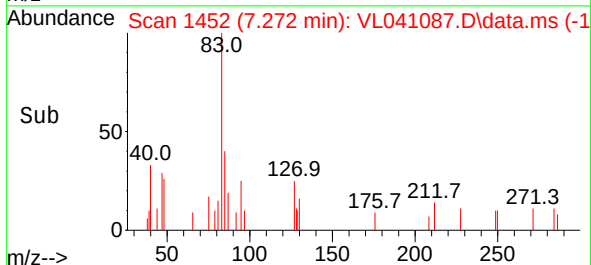
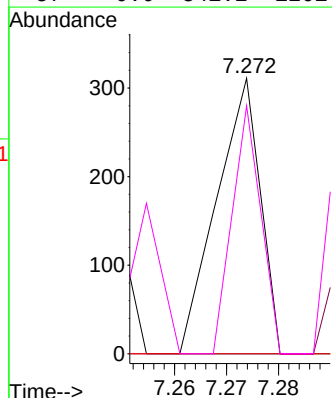
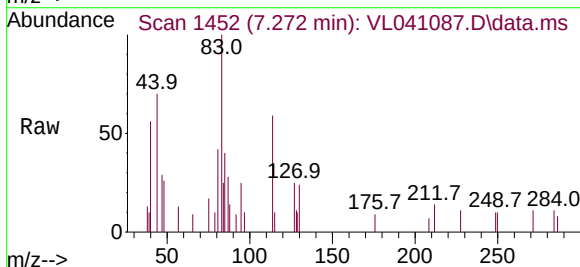
Ion Ratio Lower Upper

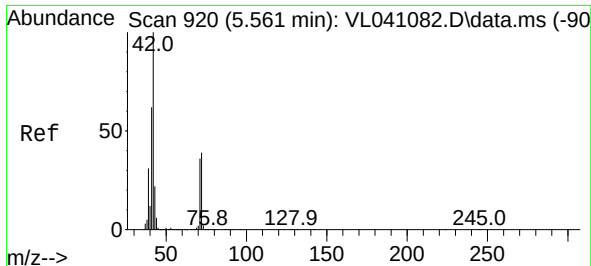
88 100

58 0.0 96.3 144.5#

43 0.0 195.7 293.5#

57 0.0 841.2 1261.8#





#41

Tetrahydrofuran

Concen: 0.001 ppbv

RT: 5.565 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03

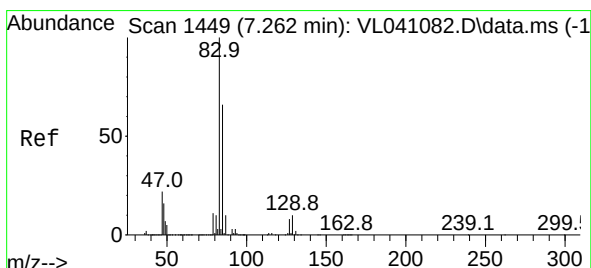
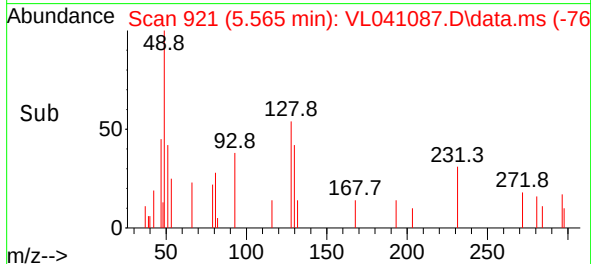
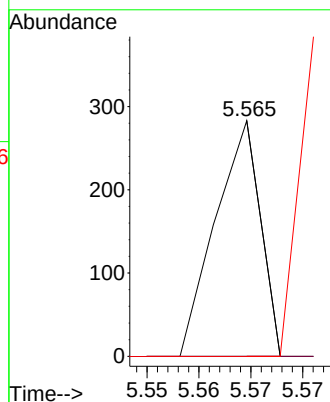
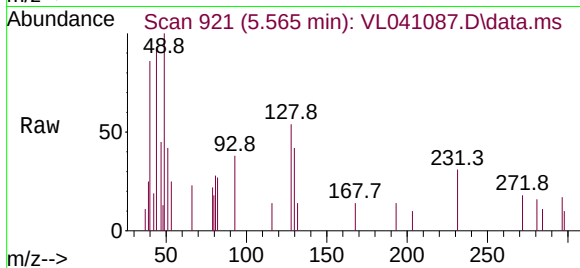
Tgt Ion: 42 Resp: 85

Ion Ratio Lower Upper

42 100

72 185.9 30.7 46.1#

71 124.7 29.6 44.4#



#42

Bromodichloromethane

Concen: 0.016 ppbv

RT: 7.256 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

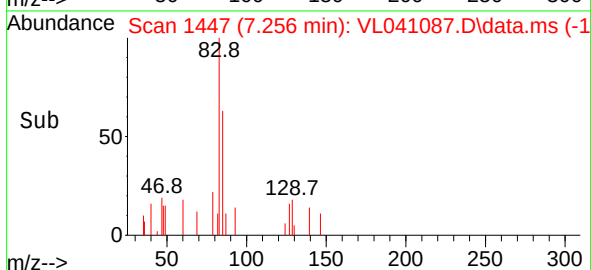
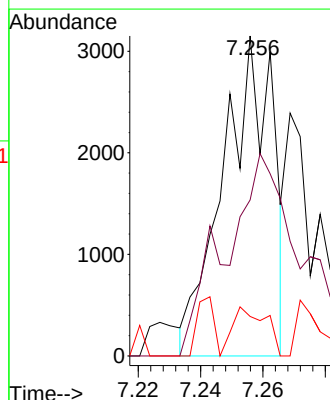
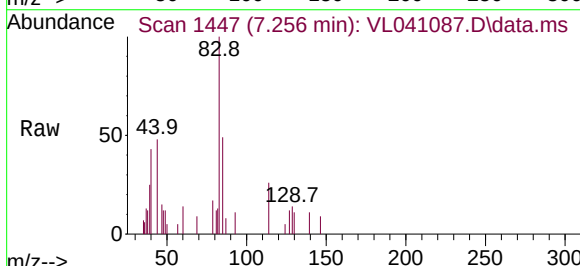
Tgt Ion: 83 Resp: 3484

Ion Ratio Lower Upper

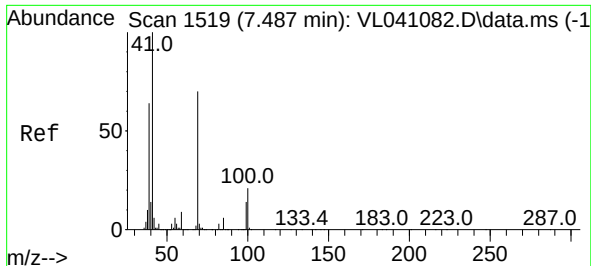
83 100

85 53.4 53.1 79.7

127 13.5 6.2 9.4#







#43

Methyl Methacrylate

Concen: 0.006 ppbv

RT: 7.487 min Scan# 1519

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_1

ClientSampleId :

VSTDICC0.03

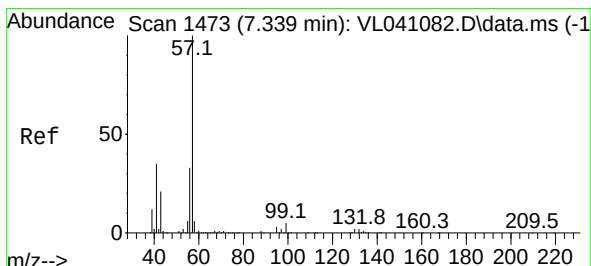
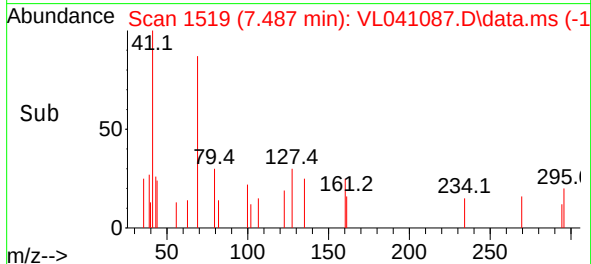
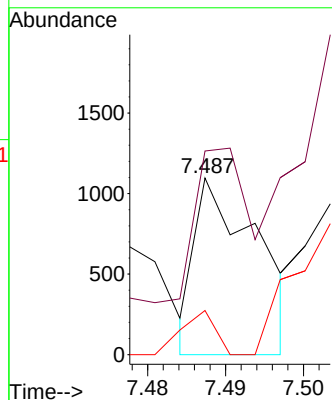
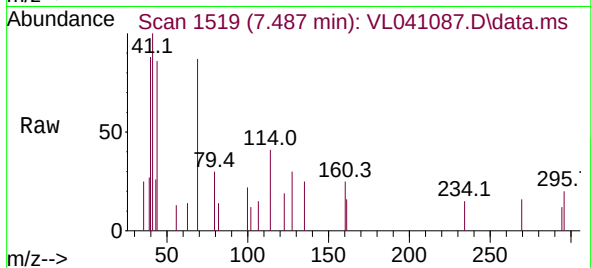
Tgt Ion: 69 Resp: 610

Ion Ratio Lower Upper

69 100

41 0.0 118.2 177.4#

100 0.0 24.8 37.2#



#44

2,2,4-Trimethylpentane

Concen: 0.004 ppbv

RT: 7.333 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

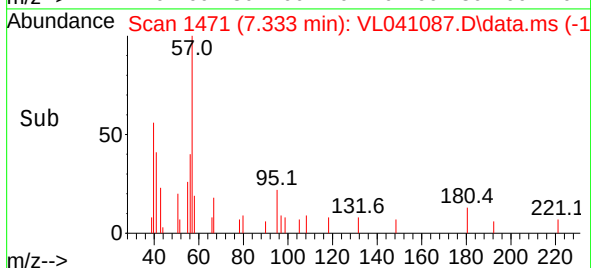
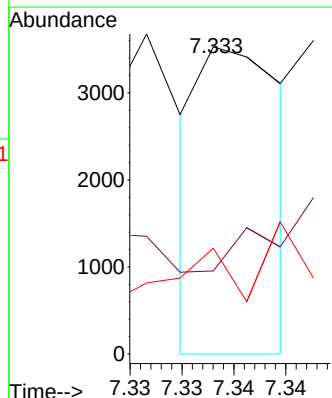
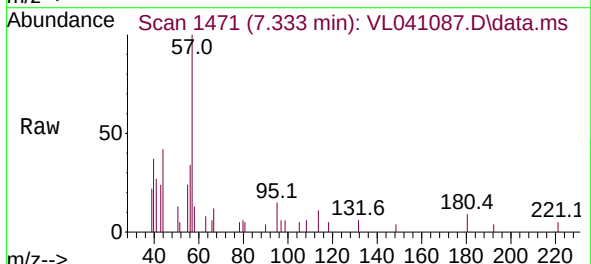
Tgt Ion: 57 Resp: 1939

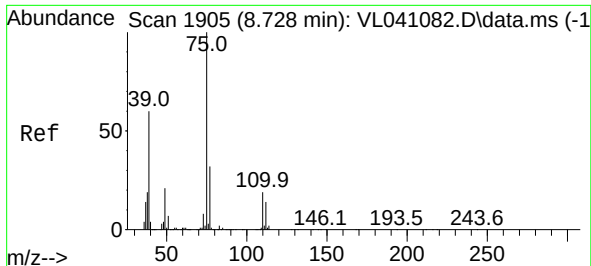
Ion Ratio Lower Upper

57 100

41 0.0 28.0 42.0#

56 0.0 25.7 38.5#





#45

t-1,3-Dichloropropene

Concen: 0.006 ppbv

RT: 8.728 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

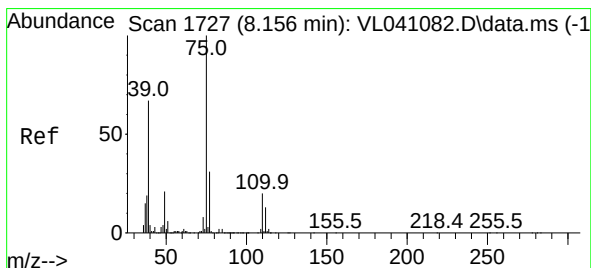
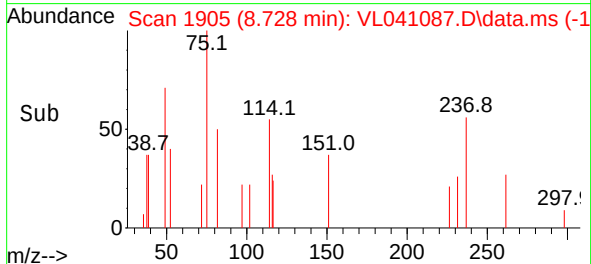
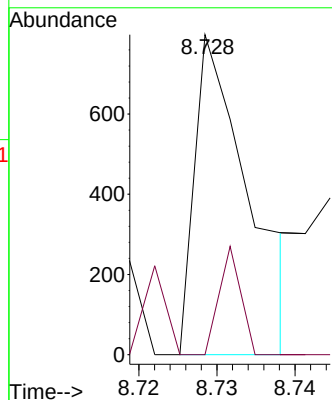
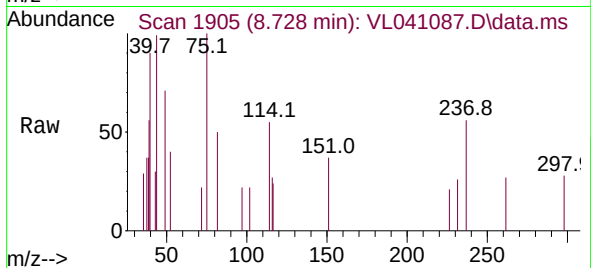
VSTDIC0.03

Tgt Ion: 75 Resp: 387

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



#46

cis-1,3-Dichloropropene

Concen: 0.009 ppbv

RT: 8.150 min Scan# 1725

Delta R.T. -0.006 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

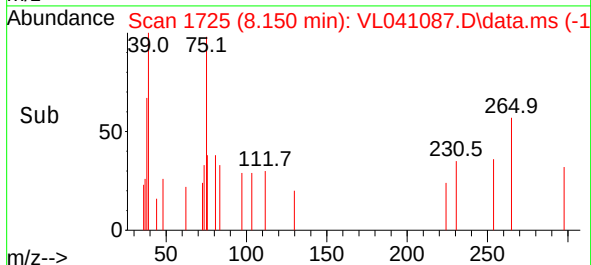
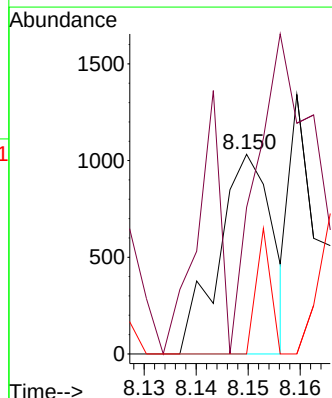
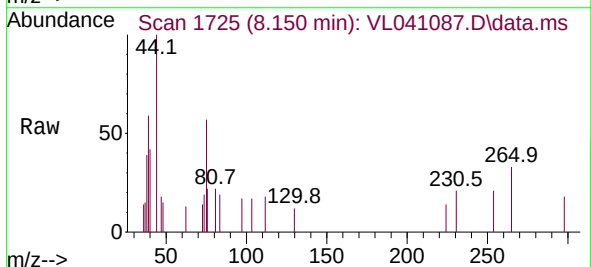
Tgt Ion: 75 Resp: 745

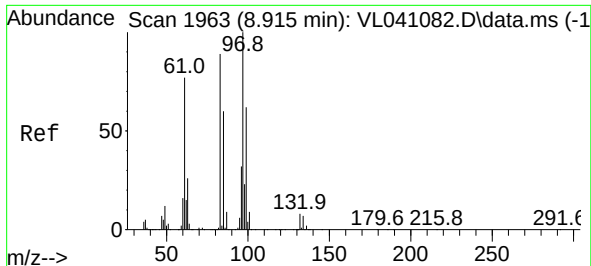
Ion Ratio Lower Upper

75 100

39 41.1 53.3 79.9#

77 0.0 25.2 37.8#

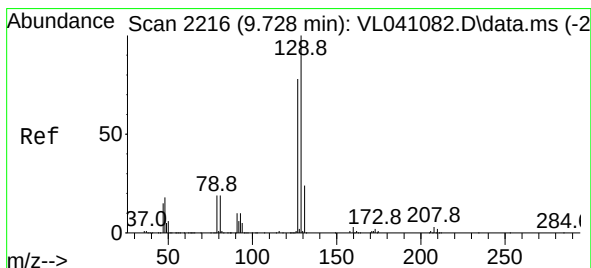
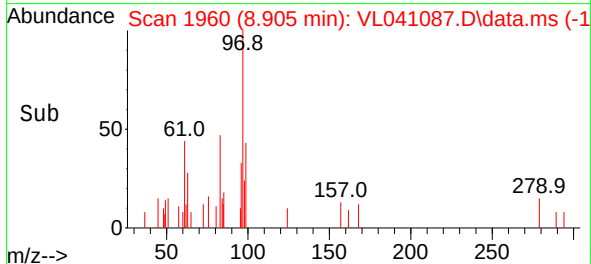
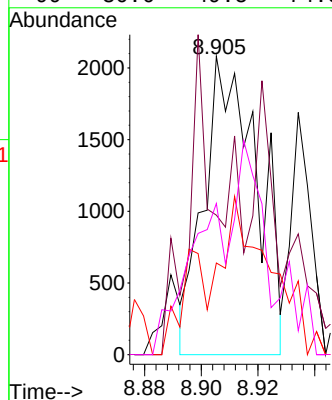
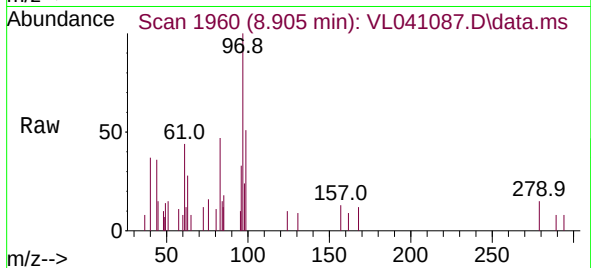




#47  
1,1,2-Trichloroethane  
Concen: 0.024 ppbv  
RT: 8.905 min Scan# 1963  
Delta R.T. -0.010 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

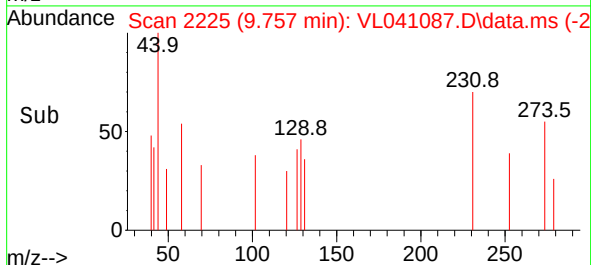
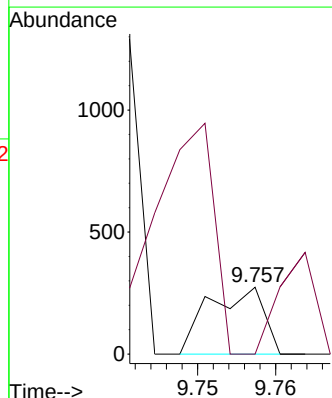
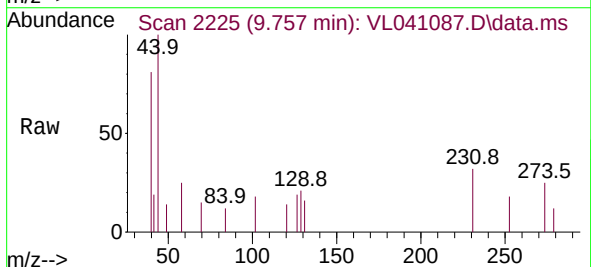
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

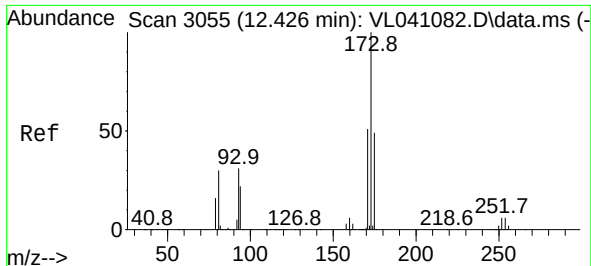
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 2690   |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 31.0  | 71.1  | 106.7# |
| 85       | 24.8  | 48.2  | 72.2#  |
| 99       | 36.6  | 49.5  | 74.3#  |



#48  
Dibromochloromethane  
Concen: 0.001 ppbv  
RT: 9.757 min Scan# 2225  
Delta R.T. 0.029 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 134   |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 91.0  | 39.6  | 118.8 |





#49

Bromoform

Concen: 0.006 ppbv

RT: 12.416 min Scan# 3055

Delta R.T. -0.010 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

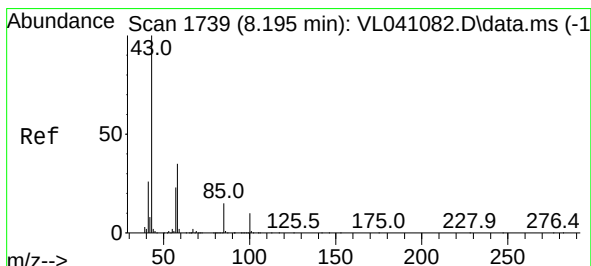
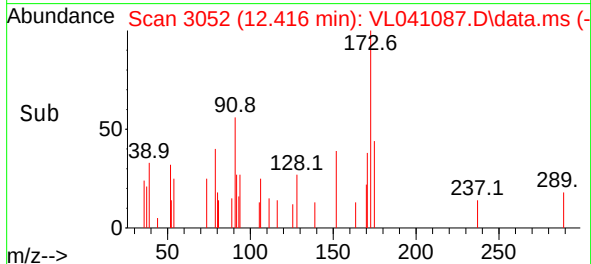
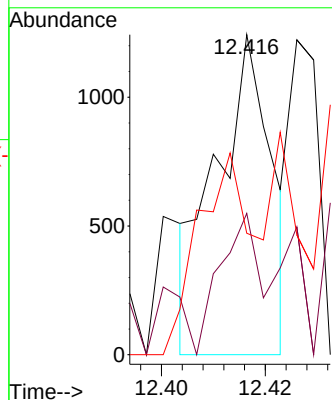
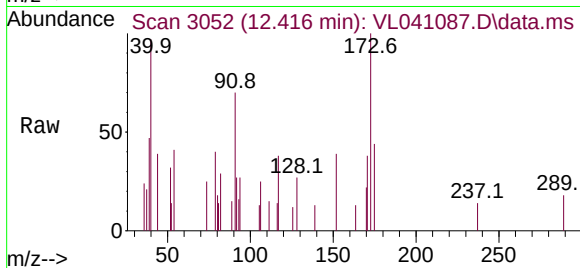
Tgt Ion:173 Resp: 919

Ion Ratio Lower Upper

173 100

175 0.0 39.0 58.6#

171 0.0 41.8 62.8#



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 8.191 min Scan# 1738

Delta R.T. -0.003 min

Lab File: VL041087.D

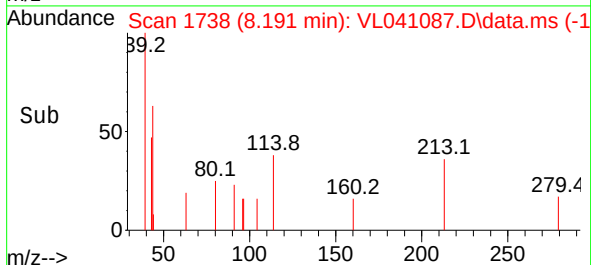
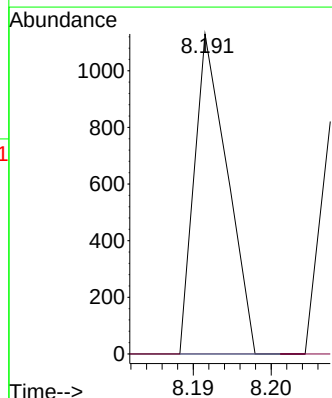
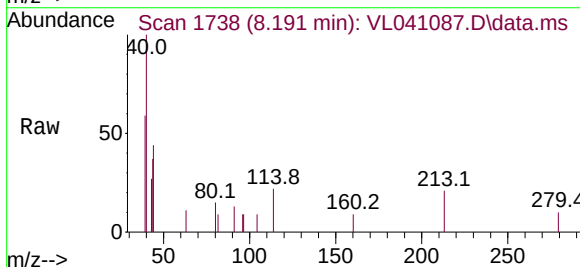
Acq: 11 Mar 2024 14:15

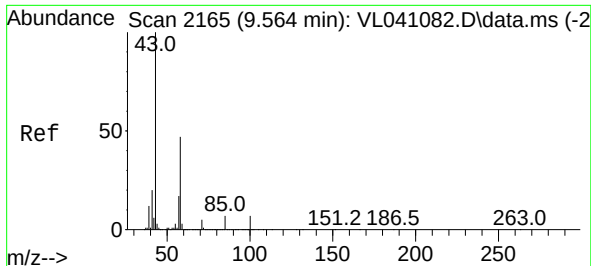
Tgt Ion: 43 Resp: 332

Ion Ratio Lower Upper

43 100

58 0.0 28.3 42.5#

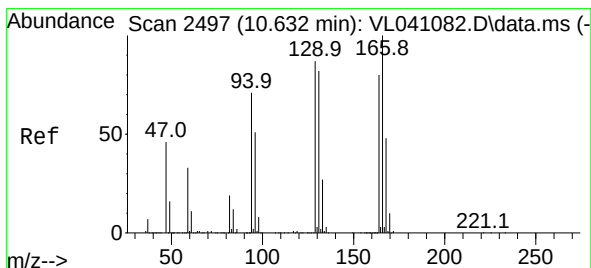
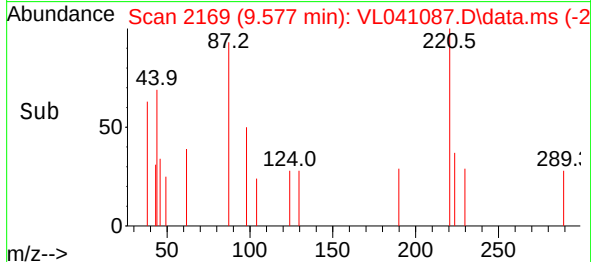
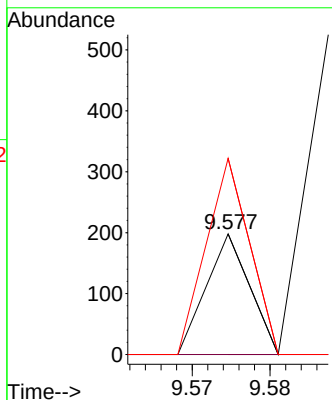
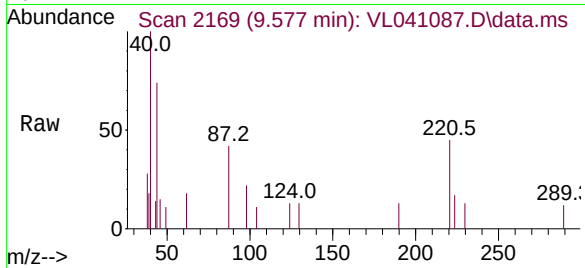




#51  
2-Hexanone  
Concen: 0.000 ppbv  
RT: 9.577 min Scan# 2165  
Delta R.T. 0.013 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

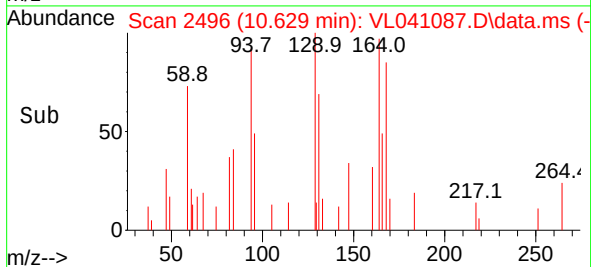
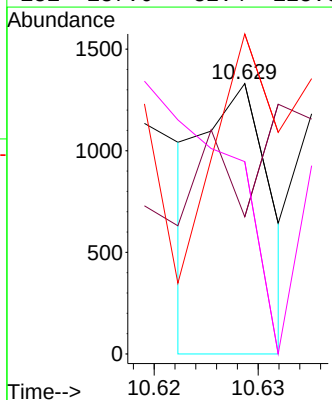
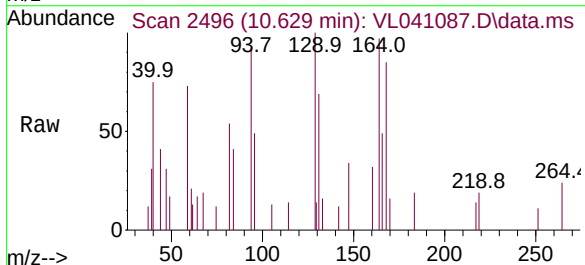
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

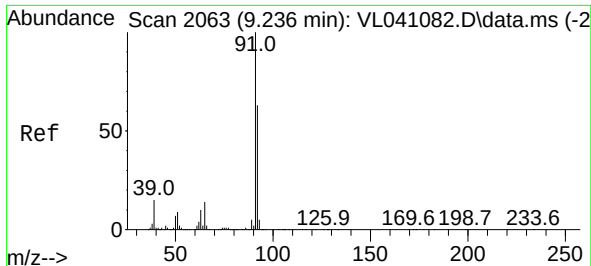
Tgt Ion: 43 Resp: 38  
Ion Ratio Lower Upper  
43 100  
58 0.0 37.4 56.2#  
98 0.0 0.4 0.6#



#52  
Tetrachloroethene  
Concen: 0.007 ppbv  
RT: 10.629 min Scan# 2496  
Delta R.T. -0.003 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion: 164 Resp: 592  
Ion Ratio Lower Upper  
164 100  
166 6.4 100.6 150.8#  
129 178.3 87.2 130.8#  
131 137.6 82.4 123.6#





#53

Toluene

Concen: 0.010 ppbv

RT: 9.233 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

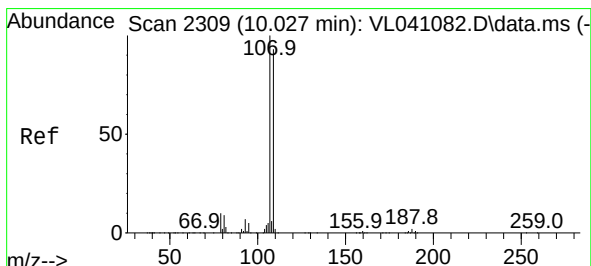
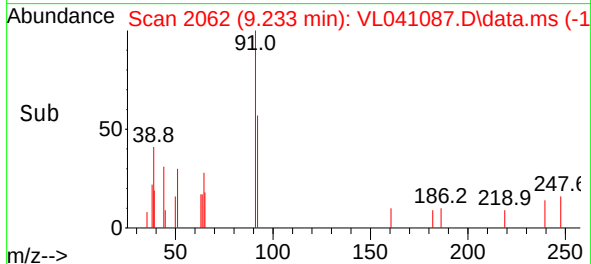
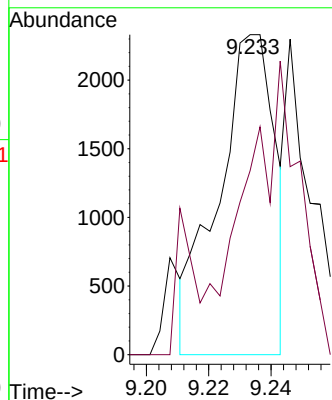
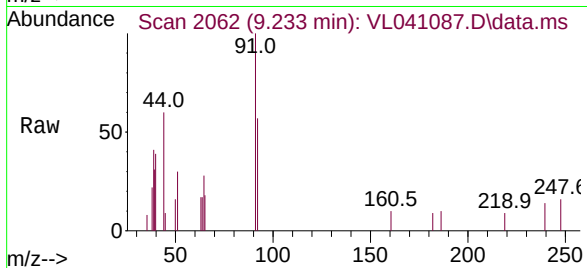
VSTDICC0.03

Tgt Ion: 91 Resp: 2942

Ion Ratio Lower Upper

91 100

92 0.0 48.9 73.3#



#54

1,2-Dibromoethane

Concen: 0.001 ppbv

RT: 9.921 min Scan# 2276

Delta R.T. -0.106 min

Lab File: VL041087.D

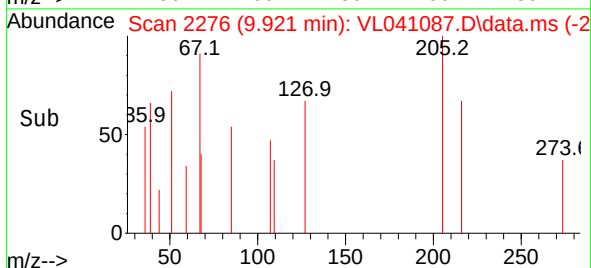
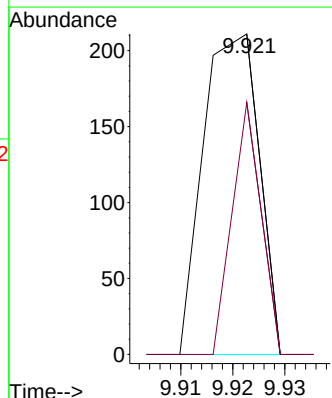
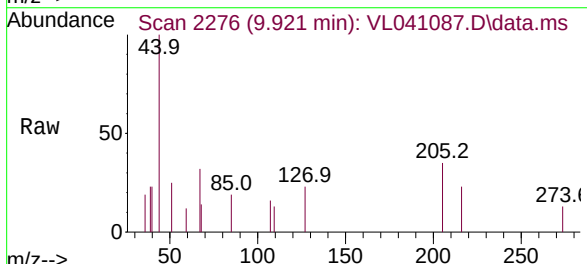
Acq: 11 Mar 2024 14:15

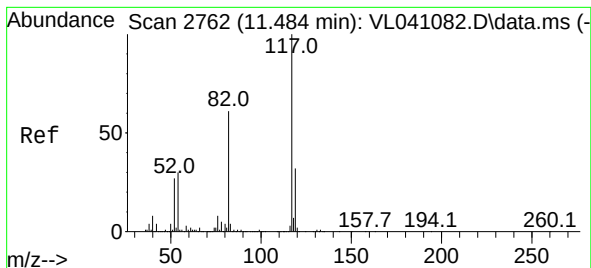
Tgt Ion: 107 Resp: 79

Ion Ratio Lower Upper

107 100

109 78.7 74.4 111.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 2762

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03

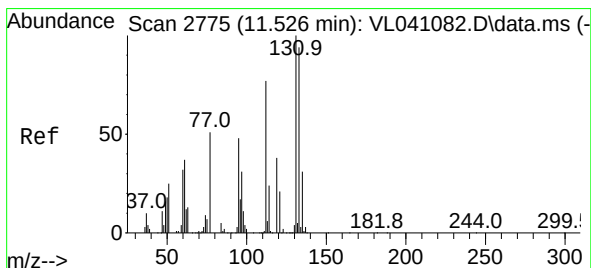
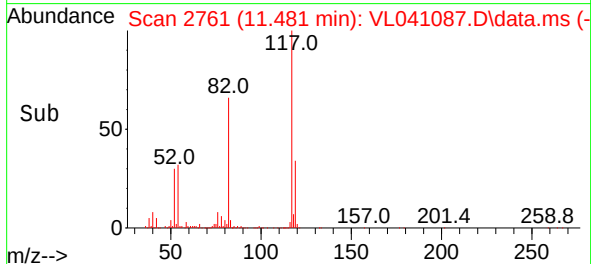
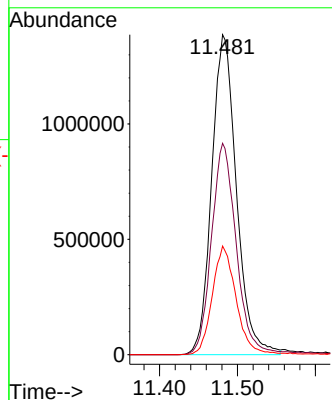
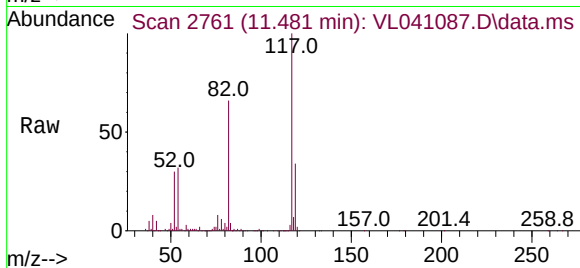
Tgt Ion:117 Resp: 3062886

Ion Ratio Lower Upper

117 100

82 67.5 51.4 77.2

119 33.3 23.7 35.5



#56

1,1,1,2-Tetrachloroethane

Concen: 0.005 ppbv

RT: 11.523 min Scan# 2774

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

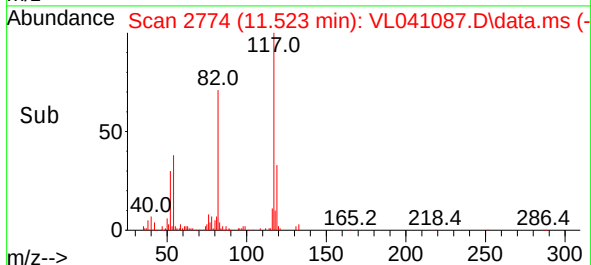
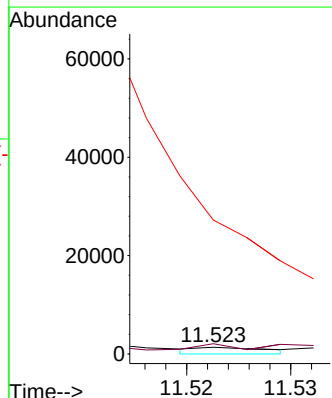
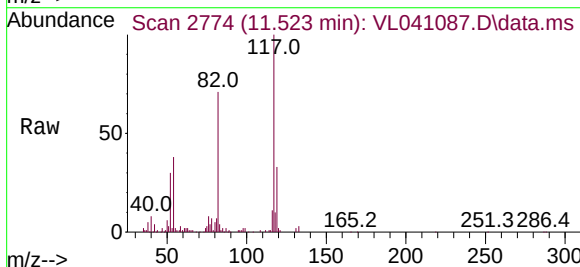
Tgt Ion:131 Resp: 640

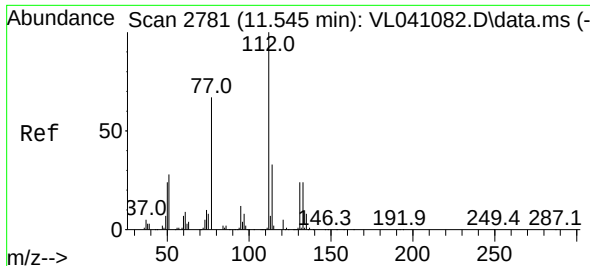
Ion Ratio Lower Upper

131 100

133 543.4 76.1 114.1#

119 0.0 51.1 76.7#





#57

Chlorobenzene

Concen: 0.004 ppbv

RT: 11.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03

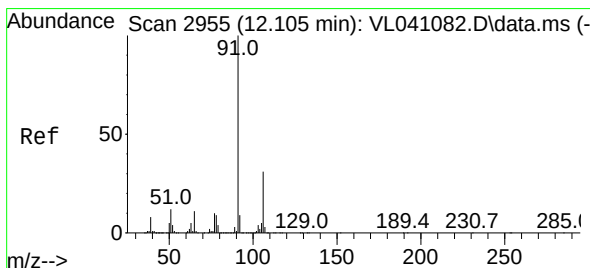
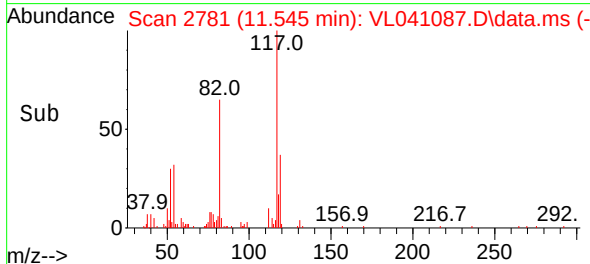
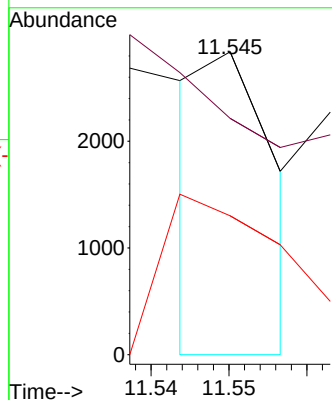
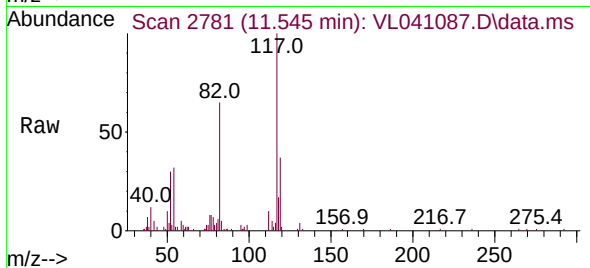
Tgt Ion:112 Resp: 879

Ion Ratio Lower Upper

112 100

77 0.0 54.6 81.8#

114 24.2 29.4 36.0#



#58

Ethyl Benzene

Concen: 0.016 ppbv

RT: 12.105 min Scan# 2955

Delta R.T. -0.000 min

Lab File: VL041087.D

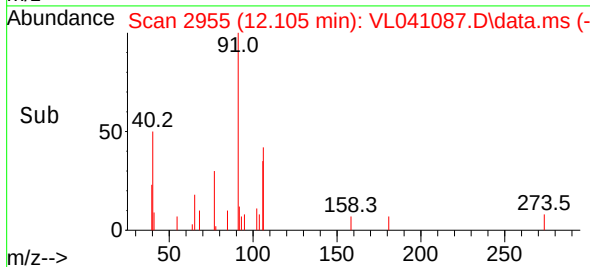
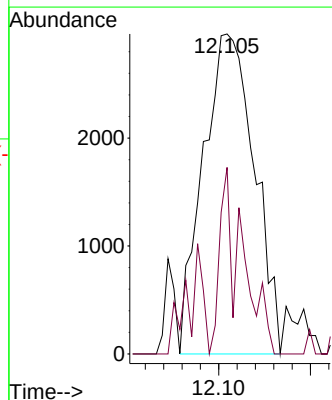
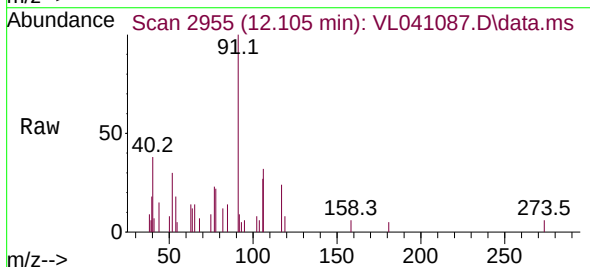
Acq: 11 Mar 2024 14:15

Tgt Ion: 91 Resp: 5763

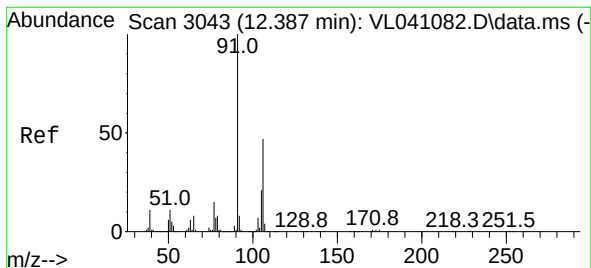
Ion Ratio Lower Upper

91 100

106 53.5 24.6 36.8#



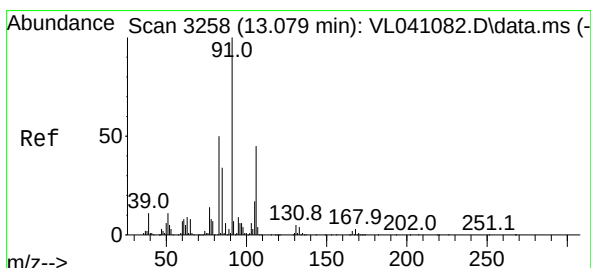
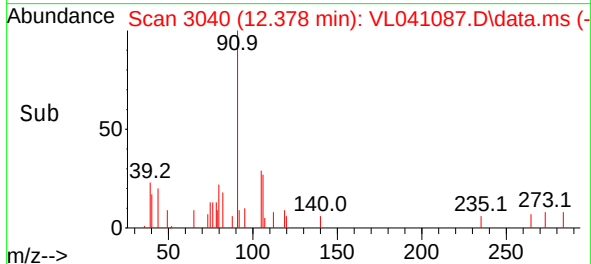
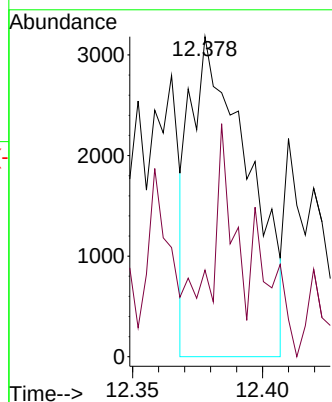
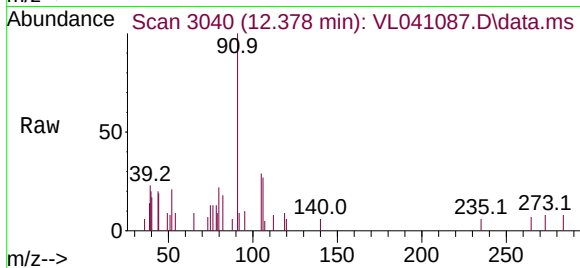




#59  
m/p-Xylene  
Concen: 0.016 ppbv  
RT: 12.378 min Scan# 3040  
Delta R.T. -0.010 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

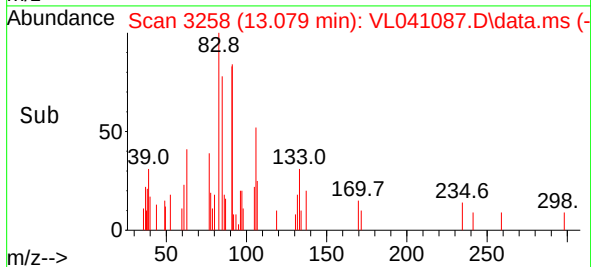
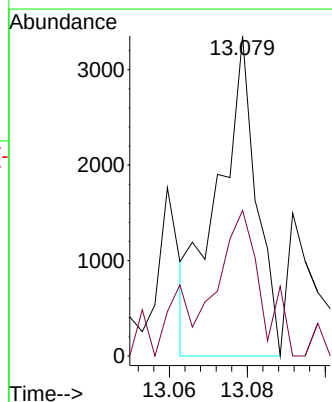
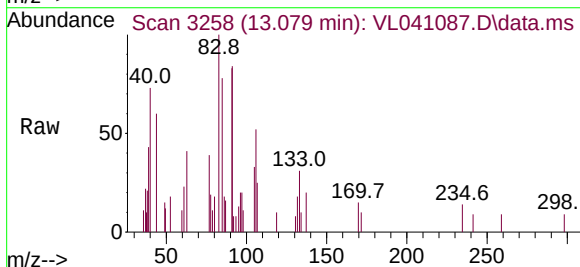
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

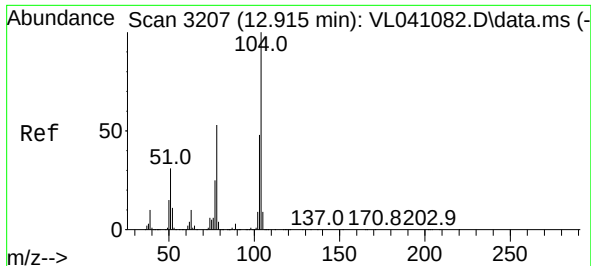
Tgt Ion: 91 Resp: 4941  
Ion Ratio Lower Upper  
91 100  
106 80.6 35.4 53.2#



#60  
o-Xylene  
Concen: 0.008 ppbv  
RT: 13.079 min Scan# 3258  
Delta R.T. -0.000 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion: 91 Resp: 2331  
Ion Ratio Lower Upper  
91 100  
106 67.1 22.4 67.3





#61

Styrene

Concen: 0.005 ppbv

RT: 12.915 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03

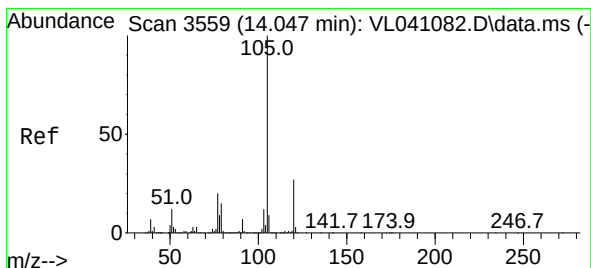
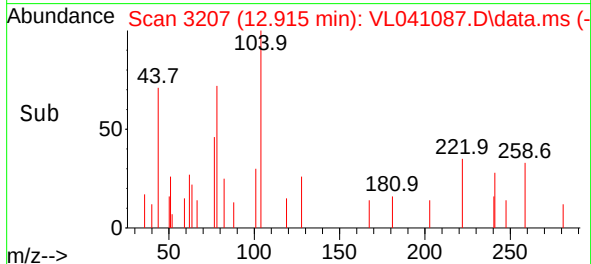
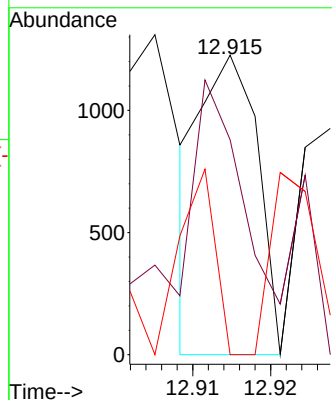
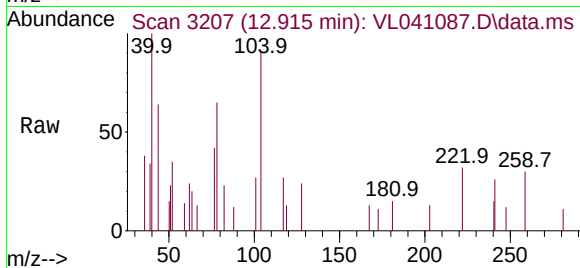
Tgt Ion:104 Resp: 625

Ion Ratio Lower Upper

104 100

78 206.4 42.6 64.0#

103 154.1 37.3 55.9#



#62

Isopropylbenzene

Concen: 0.011 ppbv

RT: 14.047 min Scan# 3559

Delta R.T. -0.000 min

Lab File: VL041087.D

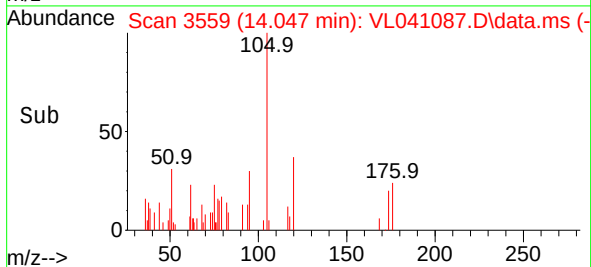
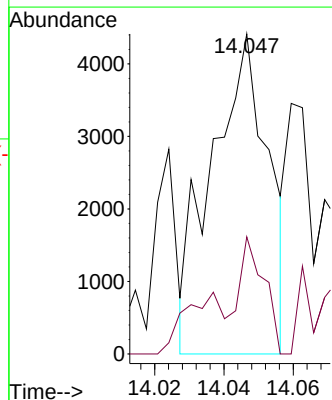
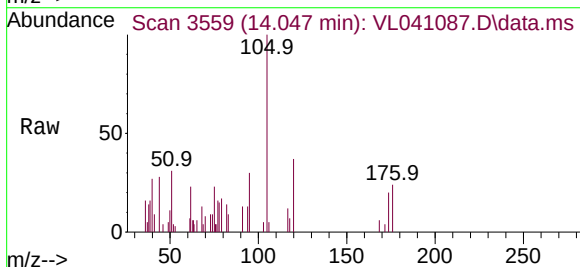
Acq: 11 Mar 2024 14:15

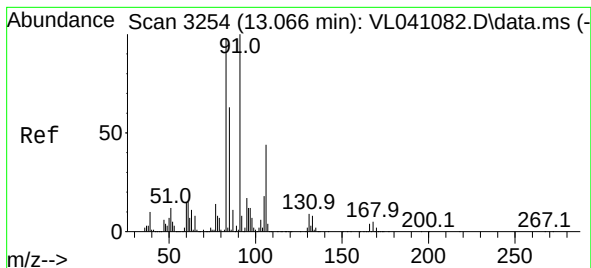
Tgt Ion:105 Resp: 5007

Ion Ratio Lower Upper

105 100

120 45.6 20.5 30.7#

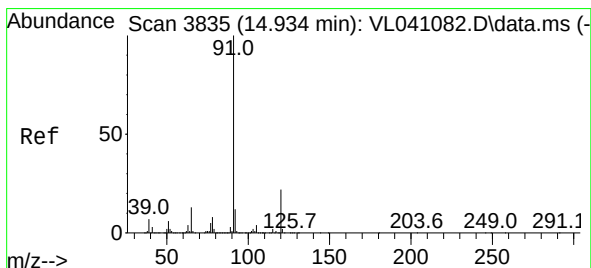
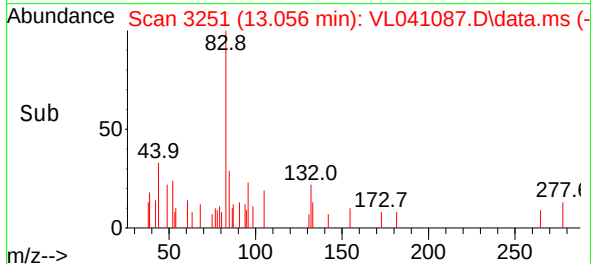
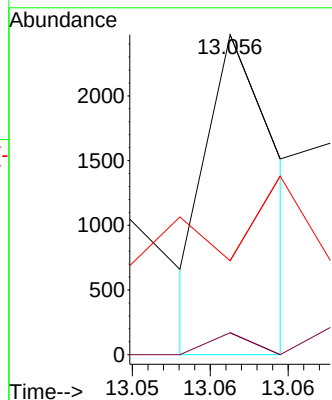
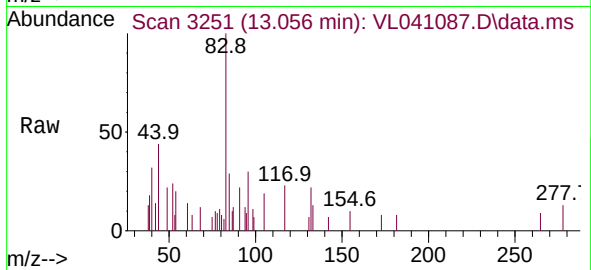




#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.003 ppbv  
RT: 13.056 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

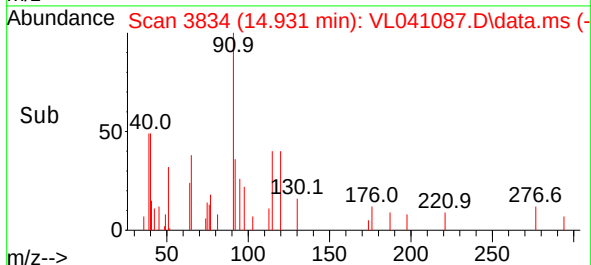
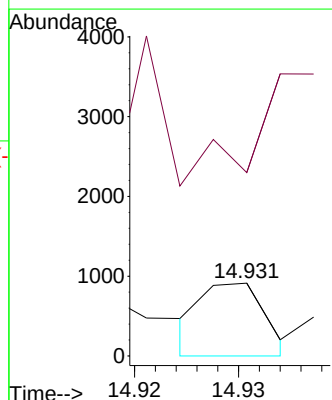
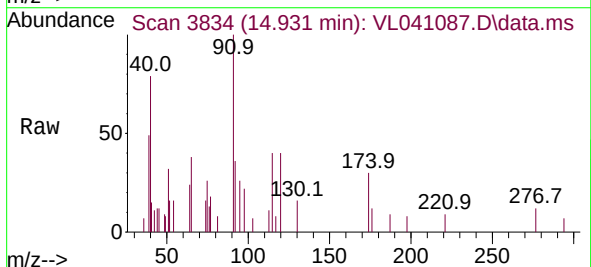
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

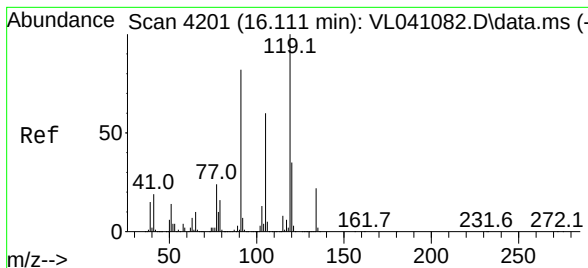
Tgt Ion: 83 Resp: 769  
Ion Ratio Lower Upper  
83 100  
131 0.0 4.7 14.0#  
85 0.0 32.7 98.1#



#64  
n-propylbenzene  
Concen: 0.003 ppbv  
RT: 14.931 min Scan# 3834  
Delta R.T. -0.003 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion:120 Resp: 386  
Ion Ratio Lower Upper  
120 100  
91 0.0 387.5 581.3#





#65

tert-Butylbenzene

Concen: 0.003 ppbv

RT: 16.111 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03

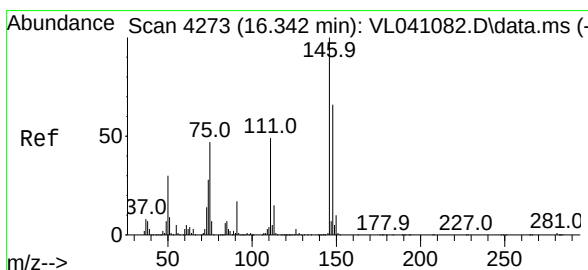
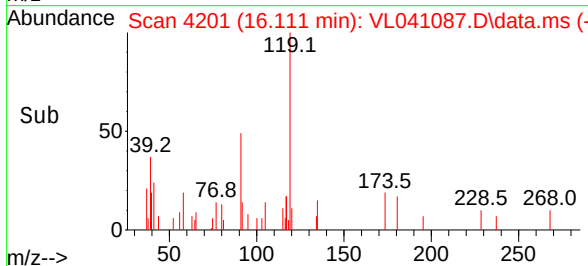
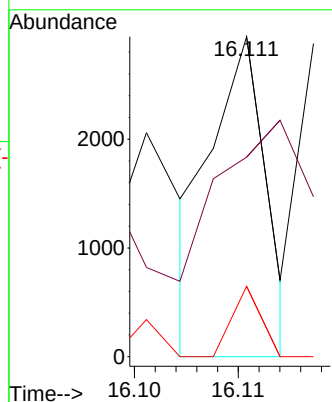
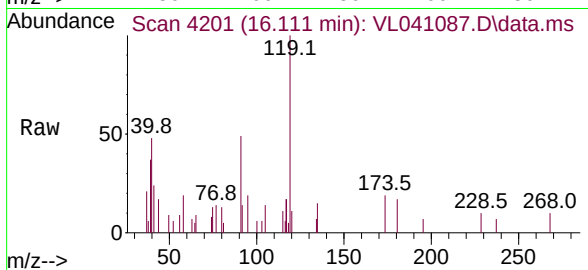
Tgt Ion:119 Resp: 1073

Ion Ratio Lower Upper

119 100

91 0.0 67.8 101.8#

134 41.2 16.2 24.2#



#66

Benzyl Chloride

Concen: 0.006 ppbv

RT: 16.346 min Scan# 4274

Delta R.T. 0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

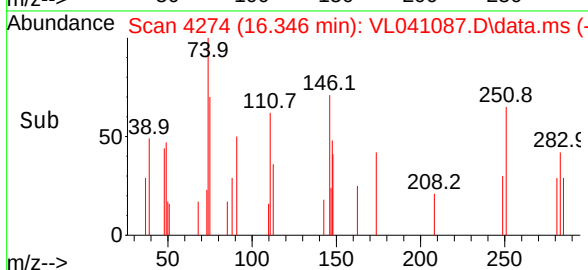
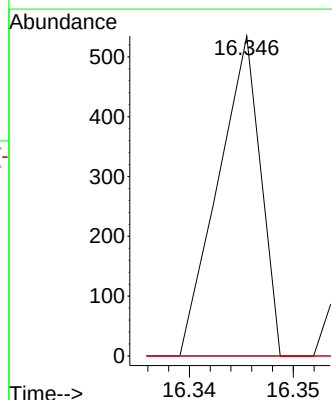
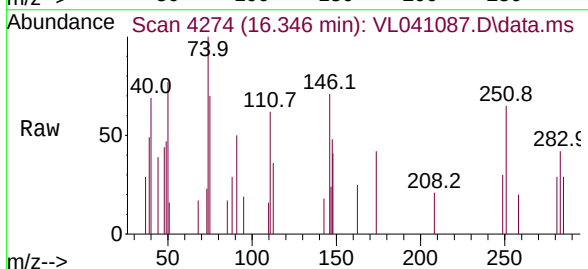
Tgt Ion: 91 Resp: 152

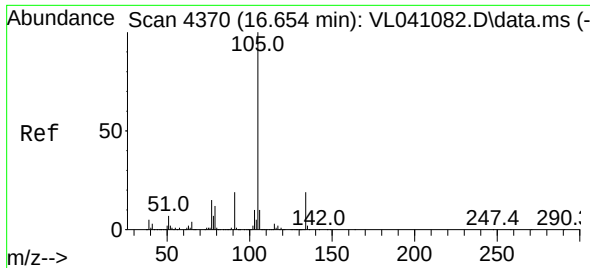
Ion Ratio Lower Upper

91 100

126 0.0 14.1 21.1#

128 0.0 4.6 7.0#

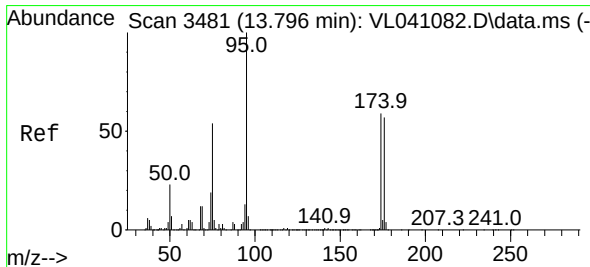
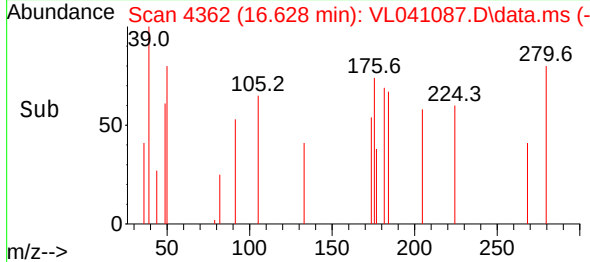
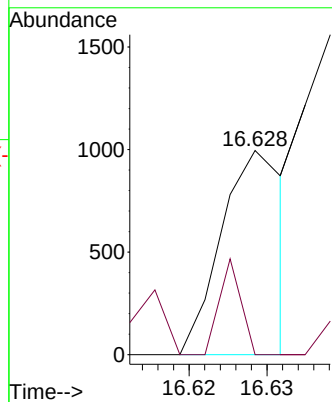
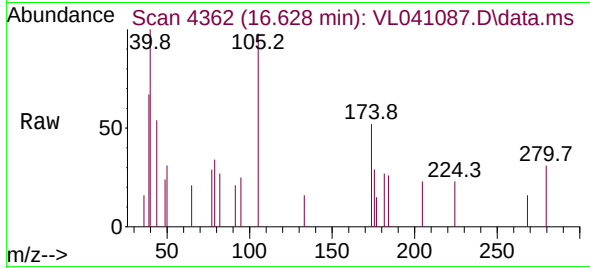




#67  
 sec-Butylbenzene  
 Concen: 0.001 ppbv  
 RT: 16.628 min Scan# 41  
 Delta R.T. -0.026 min  
 Lab File: VL041087.D  
 Acq: 11 Mar 2024 14:15

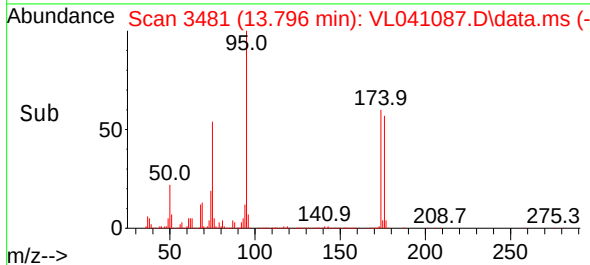
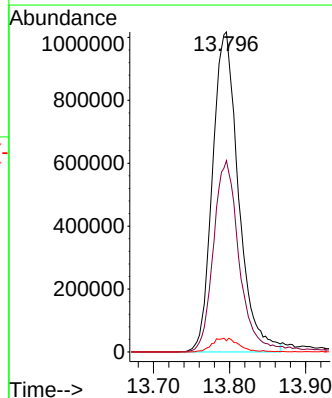
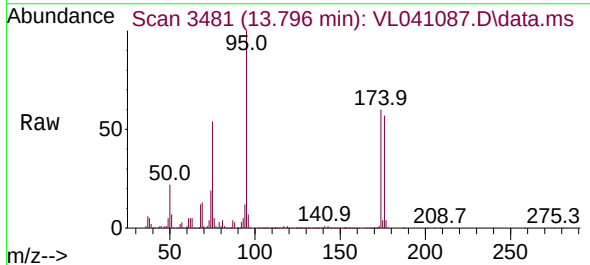
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03

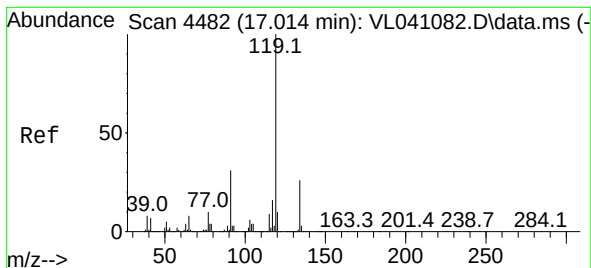
Tgt Ion:105 Resp: 563  
 Ion Ratio Lower Upper  
 105 100  
 134 16.2 14.3 21.5



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.092 ppbv  
 RT: 13.796 min Scan# 3481  
 Delta R.T. -0.000 min  
 Lab File: VL041087.D  
 Acq: 11 Mar 2024 14:15

Tgt Ion: 95 Resp: 2416662  
 Ion Ratio Lower Upper  
 95 100  
 174 60.9 47.8 71.8  
 175 4.6 3.5 5.3





#69

p-Isopropyltoluene

Concen: 0.003 ppbv

RT: 17.008 min Scan# 4482

Delta R.T. -0.006 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.03

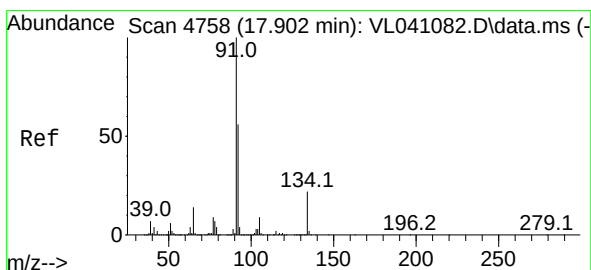
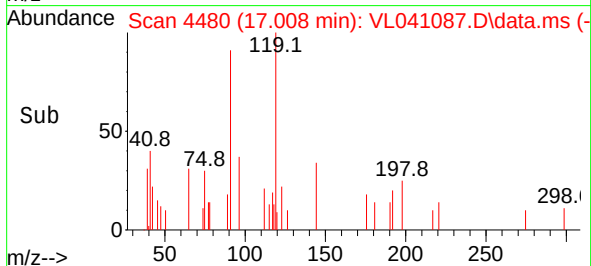
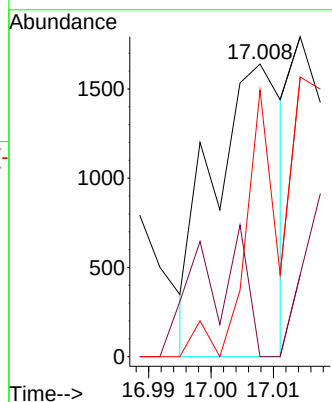
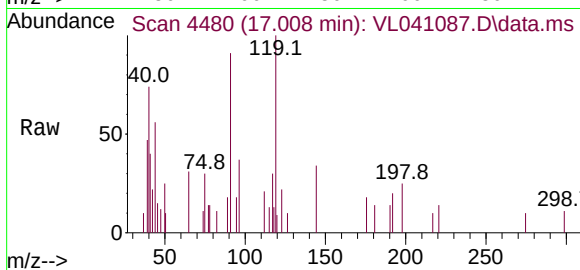
Tgt Ion:119 Resp: 1279

Ion Ratio Lower Upper

119 100

134 0.0 20.6 30.8#

91 0.0 24.7 37.1#



#70

n-Butylbenzene

Concen: 0.002 ppbv

RT: 17.892 min Scan# 4755

Delta R.T. -0.010 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

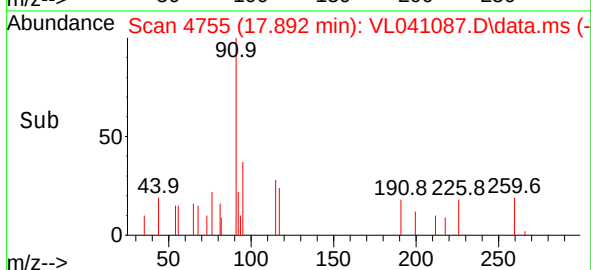
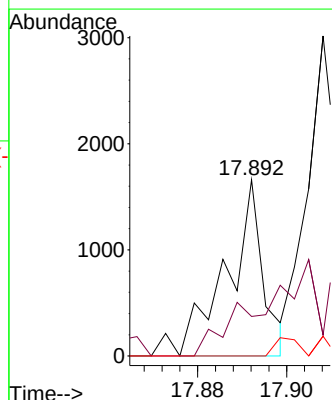
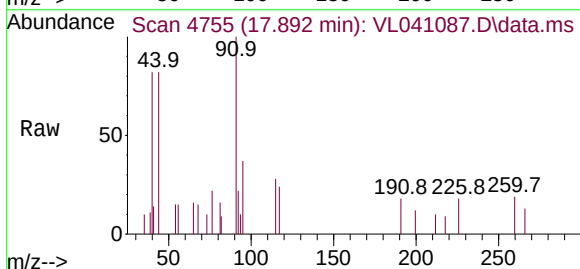
Tgt Ion: 91 Resp: 928

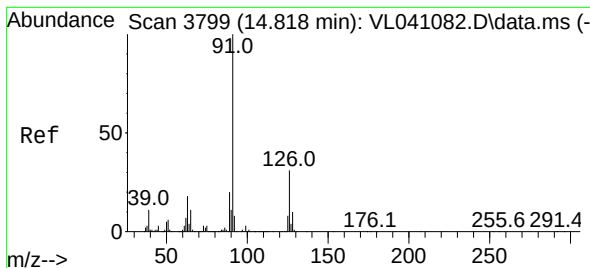
Ion Ratio Lower Upper

91 100

92 0.0 43.4 65.2#

134 0.0 17.4 26.0#

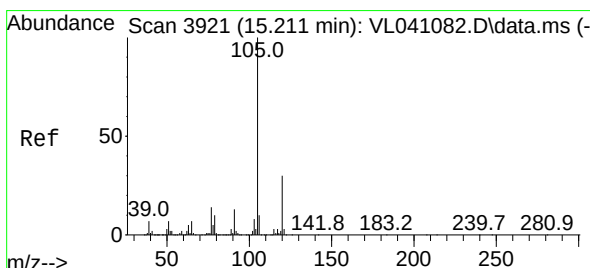
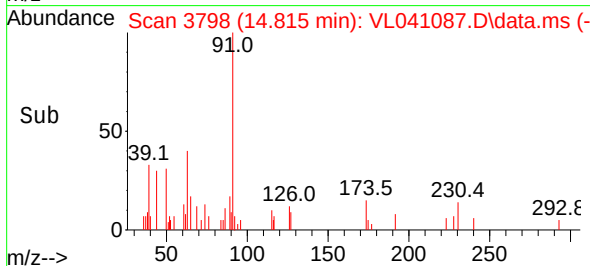
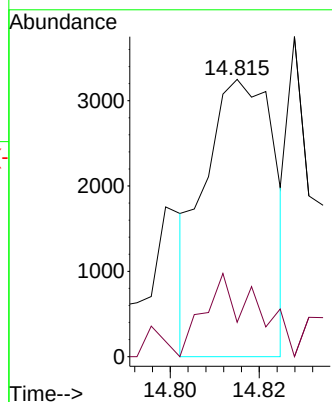
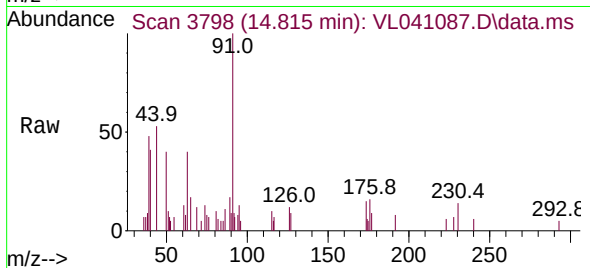




#71  
2-Chlorotoluene  
Concen: 0.010 ppbv  
RT: 14.815 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

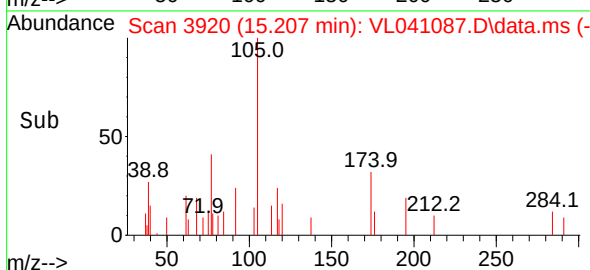
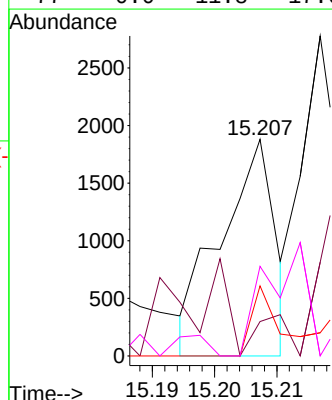
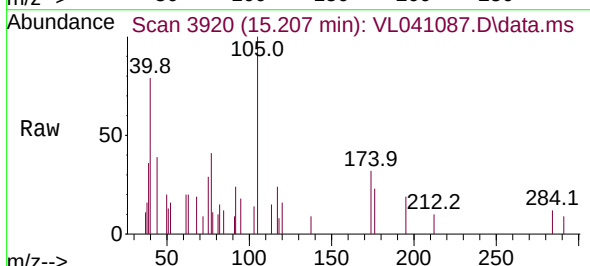
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

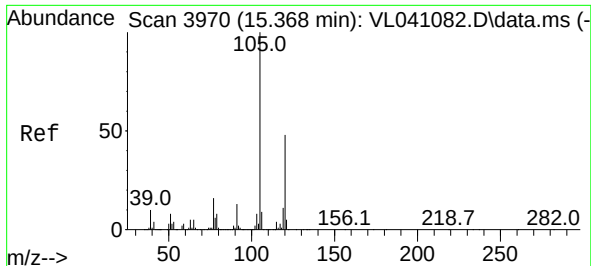
Tgt Ion: 91 Resp: 3531  
Ion Ratio Lower Upper  
91 100  
126 0.0 12.2 48.8#



#72  
4-Ethyltoluene  
Concen: 0.003 ppbv  
RT: 15.207 min Scan# 3920  
Delta R.T. -0.003 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion:105 Resp: 1144  
Ion Ratio Lower Upper  
105 100  
120 0.0 23.8 35.8#  
91 0.0 10.9 16.3#  
77 0.0 11.8 17.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.005 ppbv

RT: 15.362 min Scan# 3970

Delta R.T. -0.006 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

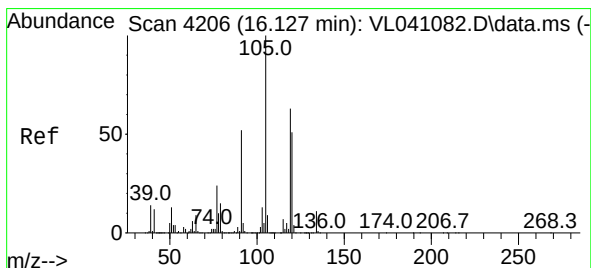
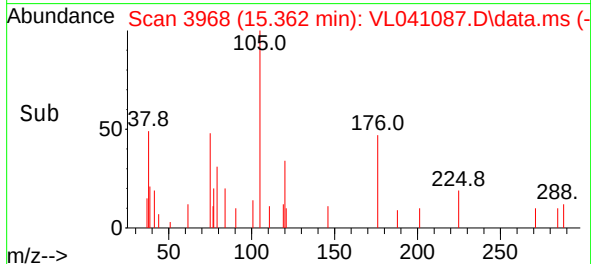
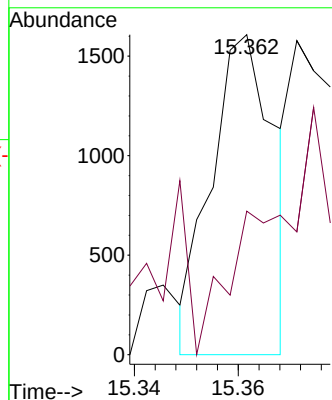
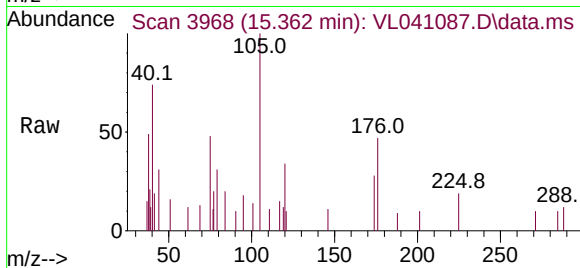
VSTDIC0.03

Tgt Ion:105 Resp: 1347

Ion Ratio Lower Upper

105 100

120 1.5 38.7 58.1#



#74

1,2,4-Trimethylbenzene

Concen: 0.003 ppbv

RT: 16.127 min Scan# 4206

Delta R.T. -0.000 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Tgt Ion:105 Resp: 1125

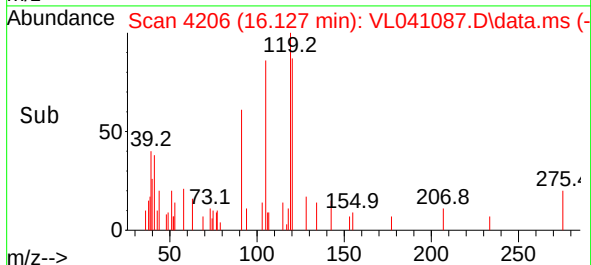
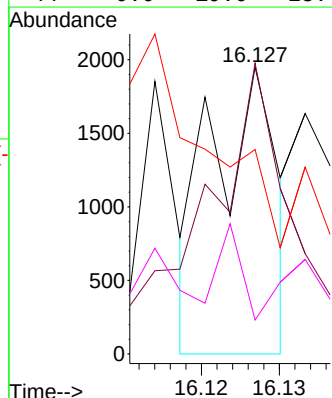
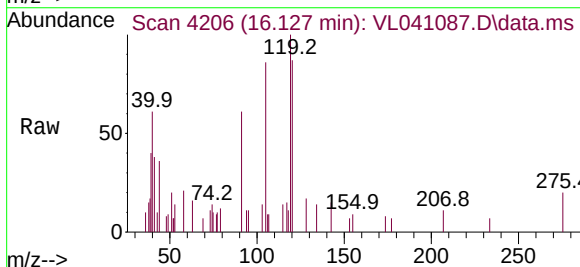
Ion Ratio Lower Upper

105 100

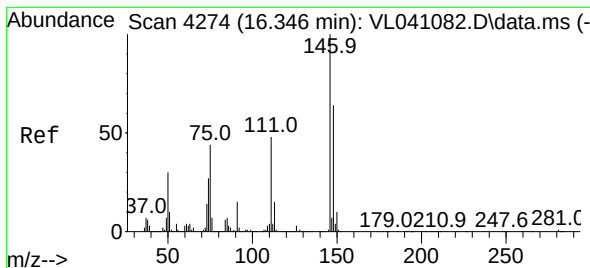
120 120.7 40.4 60.6#

91 57.7 41.4 62.0

77 0.0 19.0 28.4#







#75

1,3-Dichlorobenzene

Concen: 0.003 ppbv

RT: 16.342 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

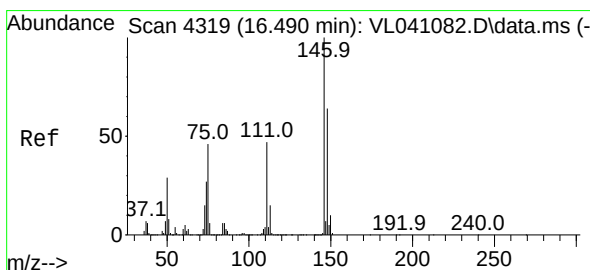
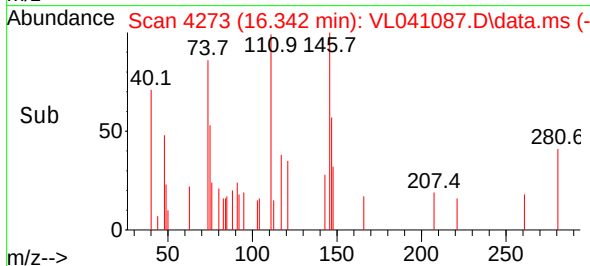
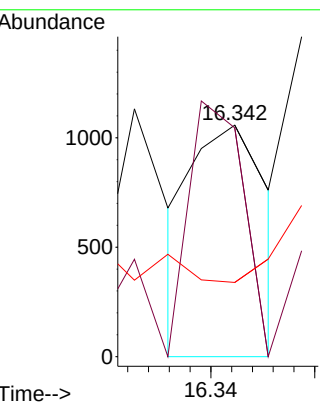
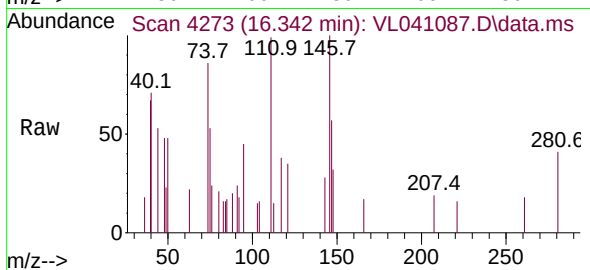
Tgt Ion:146 Resp: 535

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.2#

148 0.0 32.6 97.7#



#76

1,4-Dichlorobenzene

Concen: 0.004 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. -0.003 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

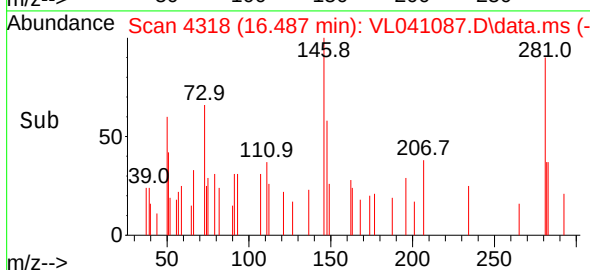
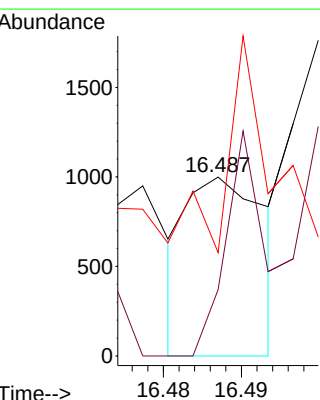
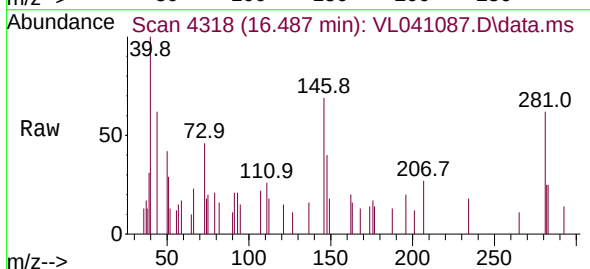
Tgt Ion:146 Resp: 698

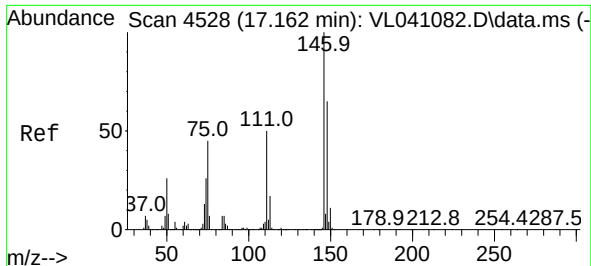
Ion Ratio Lower Upper

146 100

111 0.0 23.9 71.7#

148 332.4 32.9 98.6#

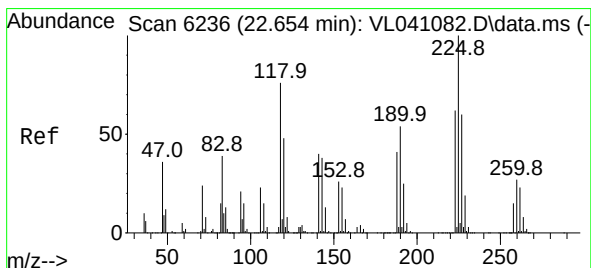
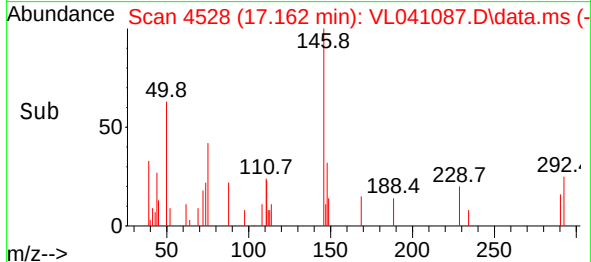
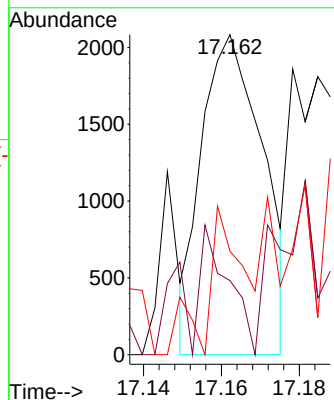
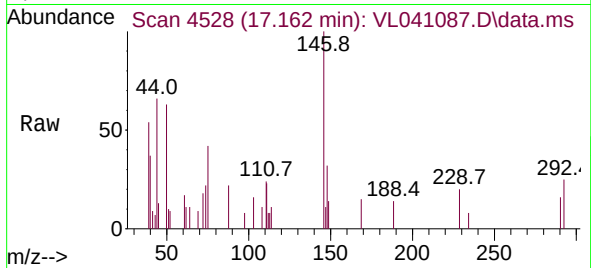




#77  
1,2-Dichlorobenzene  
Concen: 0.012 ppbv  
RT: 17.162 min Scan# 4528  
Delta R.T. -0.000 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

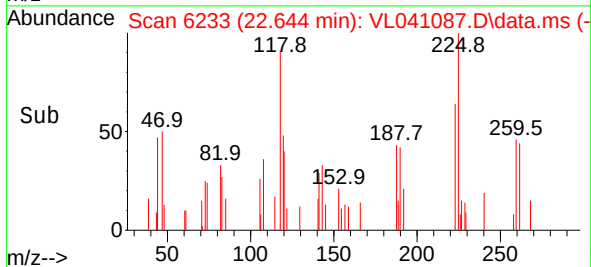
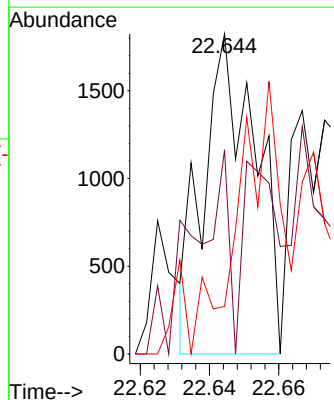
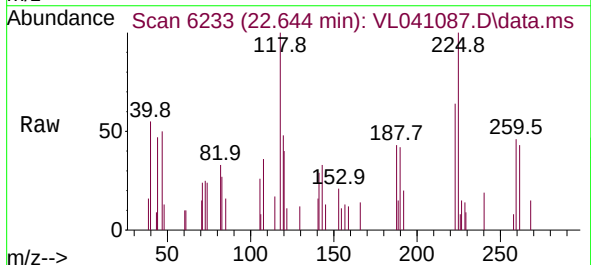
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

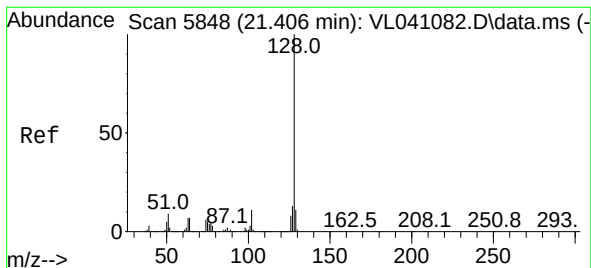
Tgt Ion:146 Resp: 2279  
Ion Ratio Lower Upper  
146 100  
111 31.8 25.2 75.6  
148 0.0 32.4 97.0#



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.015 ppbv  
RT: 22.644 min Scan# 6233  
Delta R.T. -0.010 min  
Lab File: VL041087.D  
Acq: 11 Mar 2024 14:15

Tgt Ion:225 Resp: 1912  
Ion Ratio Lower Upper  
225 100  
223 83.8 51.1 76.7#  
227 0.0 51.1 76.7#





#79

Naphthalene

Concen: 0.001 ppbv

RT: 21.397 min Scan# 51

Delta R.T. -0.010 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

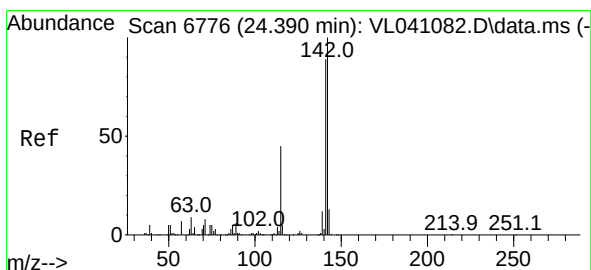
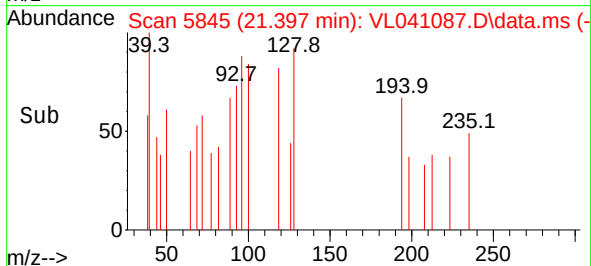
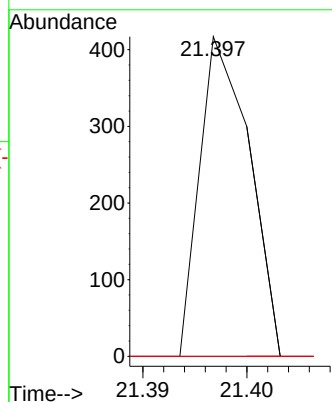
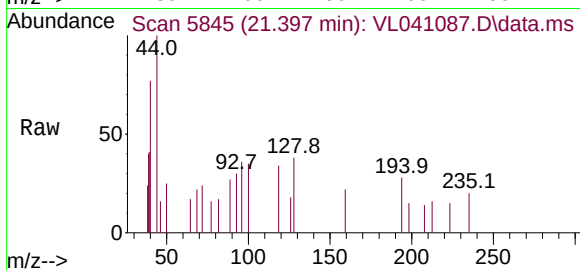
Tgt Ion:128 Resp: 138

Ion Ratio Lower Upper

128 100

127 100.0 10.6 15.8#

129 0.0 9.0 13.6#



#80

Naphthalene, 2-methyl-

Concen: 0.004 ppbv

RT: 24.336 min Scan# 6759

Delta R.T. -0.055 min

Lab File: VL041087.D

Acq: 11 Mar 2024 14:15

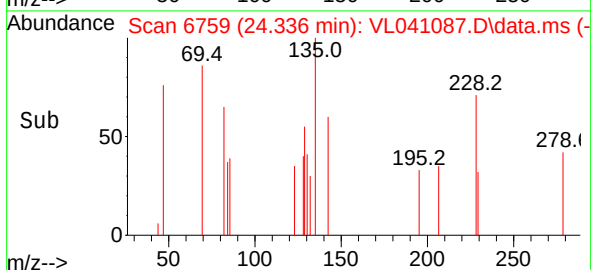
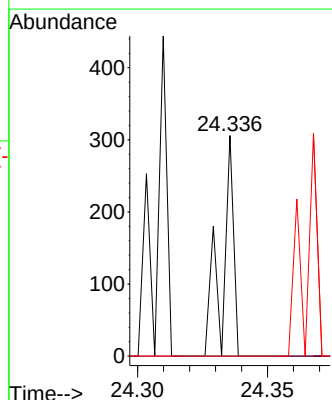
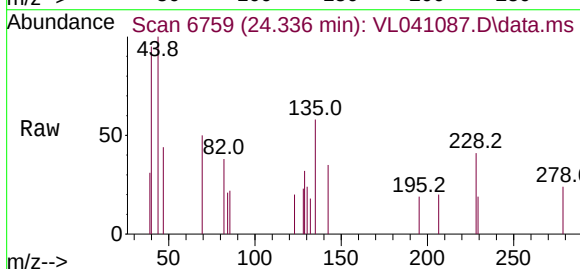
Tgt Ion:142 Resp: 94

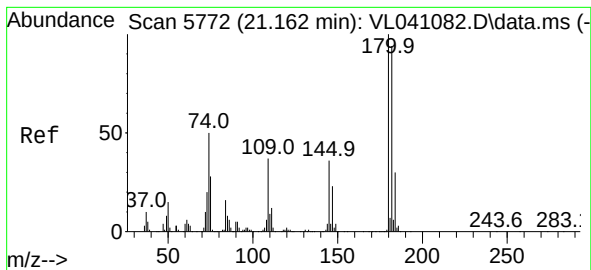
Ion Ratio Lower Upper

142 100

141 0.0 61.3 91.9#

115 117.0 35.4 53.2#





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.004 ppbv  
 RT: 21.162 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VL041087.D  
 Acq: 11 Mar 2024 14:15

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03

Tgt Ion:180 Resp: 418  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 78.7 118.1#  
 184 0.0 25.3 37.9#

