

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL080824\  
 Data File : VL041517.D  
 Acq On : 8 Aug 2024 17:52  
 Operator : SY/MD  
 Sample : P3496-05 2X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Aug 09 05:57:17 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 06 01:32:58 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.198  | 49   | 1183427  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.655  | 114  | 3047645  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.458 | 117  | 2938595  | 10.000 | ppbv  | # 0.00   |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.770 | 95    | 2304594  | 10.191   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.900% |

| Target Compounds            |        |     |          |         |        | Qvalue |
|-----------------------------|--------|-----|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane  | 2.726  | 85  | 18917    | 0.093   | ppbv   | 94     |
| 3) Chlorodifluoromethane    | 2.674  | 51  | 29468    | 0.209   | ppbv # | 88     |
| 4) Chloromethane            | 2.812  | 50  | 77764    | 1.038   | ppbv   | 99     |
| 7) Chloroethane             | 3.192  | 64  | 5422     | 0.213   | ppbv   | 93     |
| 9) Propene                  | 2.690  | 41  | 4703066  | 72.670  | ppbv   | 99     |
| 10) Heptane                 | 7.574  | 43  | 1130586  | 7.775   | ppbv   | 100    |
| 11) Trichlorofluoromethane  | 3.562  | 101 | 34172    | 0.189   | ppbv   | 94     |
| 13) Ethanol                 | 3.246  | 45  | 4071797  | 703.936 | ppbv   | 96     |
| 15) Acetone                 | 3.465  | 43  | 21755071 | 161.794 | ppbv # | 41     |
| 16) 1,3-Butadiene           | 3.005  | 39  | 361596   | 5.033   | ppbv # | 10     |
| 17) tert-Butyl alcohol      | 3.890  | 59  | 850544   | 6.936   | ppbv   | 100    |
| 19) Isopropyl Alcohol       | 3.584  | 45  | 756077   | 9.618   | ppbv # | 93     |
| 20) Methylene Chloride      | 3.938  | 84  | 946739   | 18.881  | ppbv   | 99     |
| 21) Allyl Chloride          | 3.941  | 41  | 70901    | 0.804   | ppbv # | 19     |
| 23) Vinyl Acetate           | 4.619  | 43  | 491263   | 4.784   | ppbv # | 88     |
| 25) Ethyl Acetate           | 5.205  | 43  | 657660   | 2.462   | ppbv # | 78     |
| 26) Hexane                  | 5.208  | 57  | 821302   | 7.412   | ppbv # | 8      |
| 27) Carbon Disulfide        | 4.121  | 76  | 692618   | 5.343   | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether | 4.719  | 73  | 24390    | 0.349   | ppbv # | 1      |
| 29) Chloroform              | 5.282  | 83  | 40419    | 0.224   | ppbv   | 87     |
| 30) Cyclohexane             | 6.600  | 84  | 28591    | 0.317   | ppbv # | 63     |
| 34) 2-Butanone              | 4.799  | 43  | 28248396 | 191.612 | ppbv # | 49     |
| 36) Benzene                 | 6.369  | 78  | 82138    | 0.369   | ppbv # | 89     |
| 39) 1,2-Dichloropropane     | 7.269  | 63  | 18055    | 0.212   | ppbv # | 1      |
| 41) Tetrahydrofuran         | 5.555  | 42  | 3891     | 0.046   | ppbv # | 12     |
| 42) Bromodichloromethane    | 7.272  | 83  | 83434    | 0.464   | ppbv # | 25     |
| 43) Methyl Methacrylate     | 7.516  | 69  | 22877    | 0.286   | ppbv # | 2      |
| 44) 2,2,4-Trimethylpentane  | 7.320  | 57  | 82769    | 0.223   | ppbv # | 42     |
| 50) 4-Methyl-2-Pentanone    | 8.176  | 43  | 163169   | 0.702   | ppbv   | 96     |
| 51) 2-Hexanone              | 9.542  | 43  | 1024435  | 5.825   | ppbv # | 97     |
| 53) Toluene                 | 9.221  | 91  | 403511   | 1.627   | ppbv   | 98     |
| 57) Chlorobenzene           | 11.523 | 112 | 45806    | 0.219   | ppbv # | 52     |
| 58) Ethyl Benzene           | 12.082 | 91  | 1224215  | 3.614   | ppbv   | 96     |
| 59) m/p-Xylene              | 12.333 | 91  | 2516701  | 8.607   | ppbv   | 95     |
| 60) o-Xylene                | 13.053 | 91  | 843830   | 3.051   | ppbv   | 98     |
| 61) Styrene                 | 12.889 | 104 | 6026     | 0.048   | ppbv # | 28     |
| 62) Isopropylbenzene        | 14.018 | 105 | 17198    | 0.041   | ppbv # | 80     |
| 64) n-propylbenzene         | 14.899 | 120 | 4120     | 0.037   | ppbv # | 1      |
| 65) tert-Butylbenzene       | 16.095 | 119 | 18458    | 0.049   | ppbv # | 29     |
| 66) Benzyl Chloride         | 16.323 | 91  | 2047     | 0.084   | ppbv # | 1      |
| 69) p-Isopropyltoluene      | 16.989 | 119 | 376548   | 0.867   | ppbv   | 98     |
| 72) 4-Ethyltoluene          | 15.191 | 105 | 48155    | 0.148   | ppbv # | 92     |
| 73) 1,3,5-Trimethylbenzene  | 15.346 | 105 | 14470    | 0.052   | ppbv # | 77     |

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Sample : P3496-05 2X  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

Quant Time: Aug 09 05:57:17 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 06 01:32:58 2024  
Response via : Initial Calibration

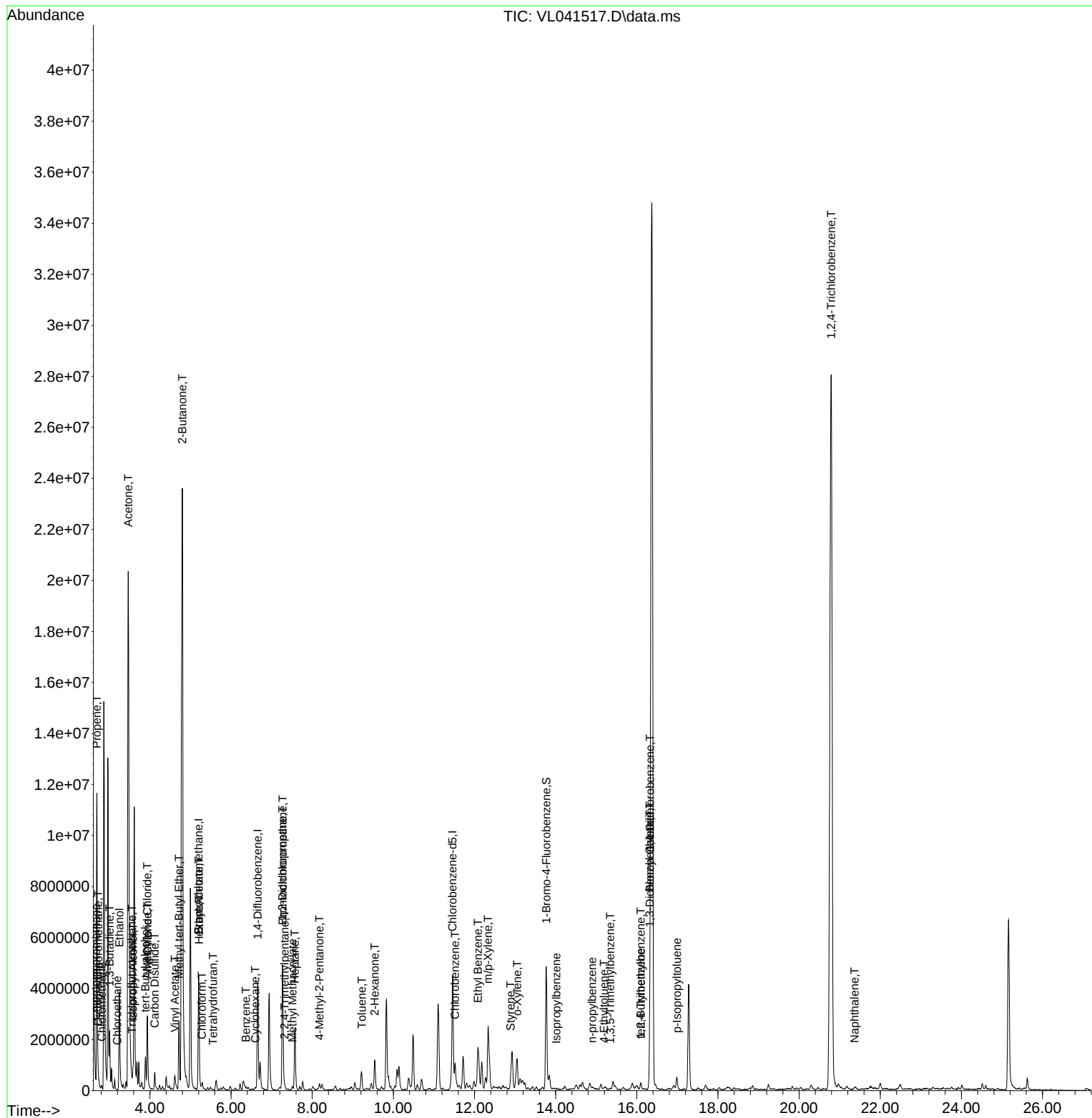
| Compound                   | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-------|--------|----------|
| 74) 1,2,4-Trimethylbenzene | 16.095 | 105  | 189559   | 0.581 | ppbv # | 73       |
| 75) 1,3-Dichlorobenzene    | 16.320 | 146  | 340279   | 1.660 | ppbv # | 23       |
| 76) 1,4-Dichlorobenzene    | 16.326 | 146  | 269959   | 1.360 | ppbv # | 1        |
| 79) Naphthalene            | 21.365 | 128  | 10234    | 0.036 | ppbv   | 95       |
| 81) 1,2,4-Trichlorobenzene | 20.792 | 180  | 206796   | 1.207 | ppbv # | 19       |

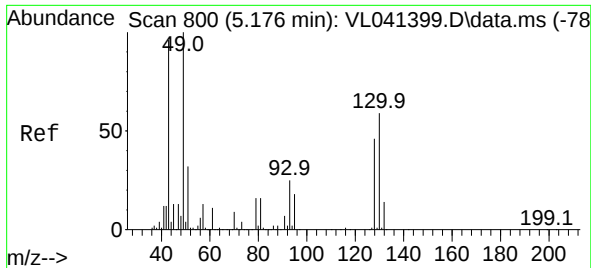
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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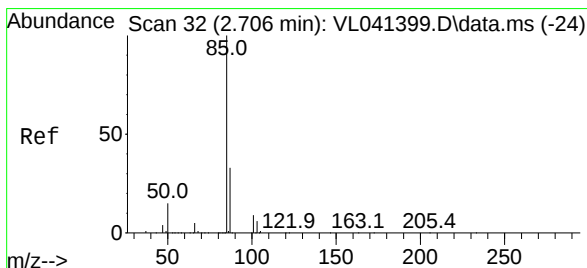
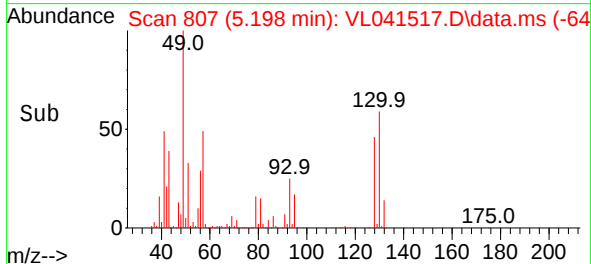
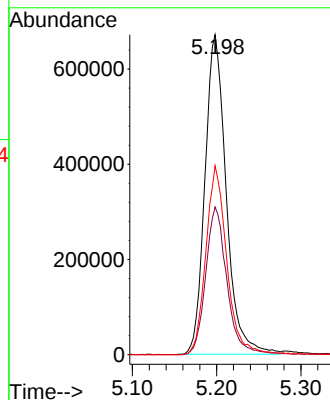
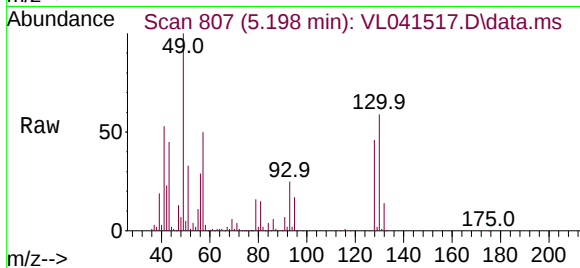




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.198 min Scan# 80  
Delta R.T. 0.009 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

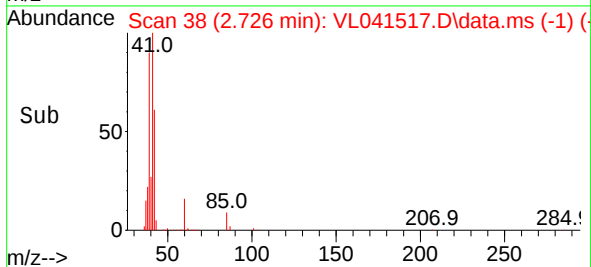
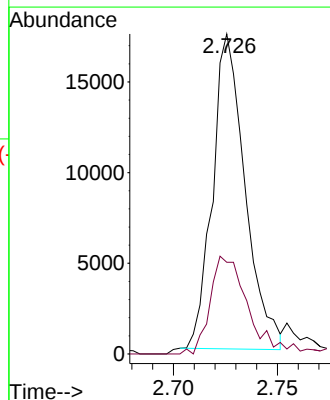
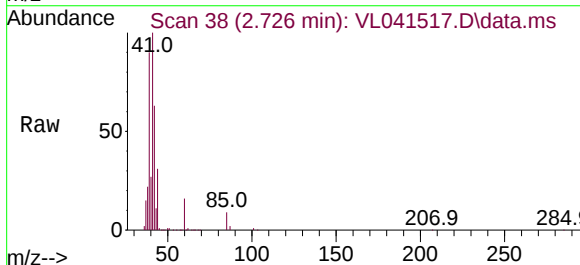
Instrument :  
MSVOA\_L  
ClientSampleId :

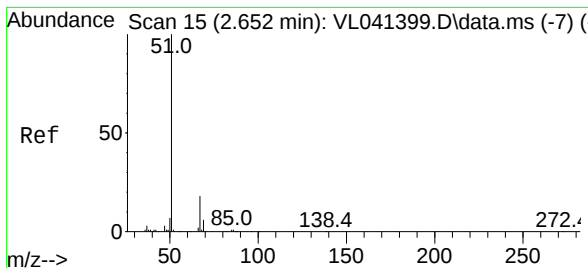
Tgt Ion: 49 Resp: 1183427  
Ion Ratio Lower Upper  
49 100  
128 46.4 23.8 71.4  
130 58.5 30.8 92.4



#2  
Dichlorodifluoromethane  
Concen: 0.093 ppbv  
RT: 2.726 min Scan# 38  
Delta R.T. -0.006 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

Tgt Ion: 85 Resp: 18917  
Ion Ratio Lower Upper  
85 100  
87 29.2 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.209 ppbv

RT: 2.674 min Scan# 21

Delta R.T. -0.003 min MSVOA\_L

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

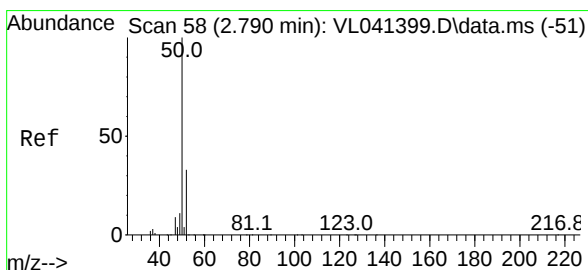
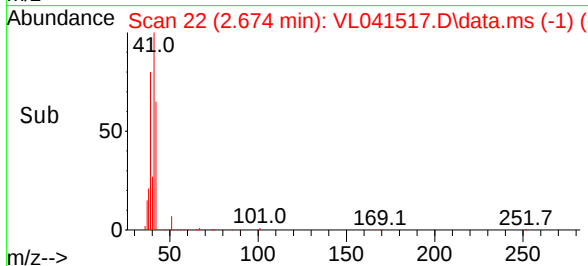
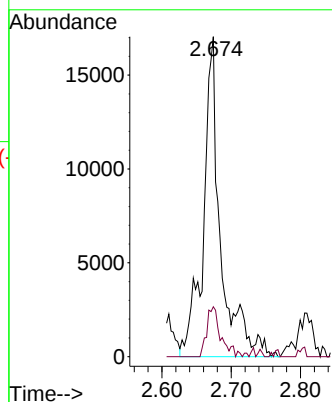
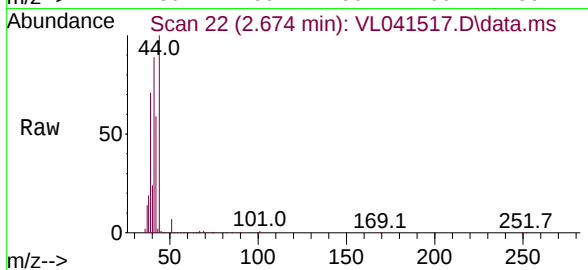
ClientSampleId :

Tgt Ion: 51 Resp: 29468

Ion Ratio Lower Upper

51 100

67 12.8 14.5 21.7#



#4

Chloromethane

Concen: 1.038 ppbv

RT: 2.812 min Scan# 65

Delta R.T. -0.003 min

Lab File: VL041517.D

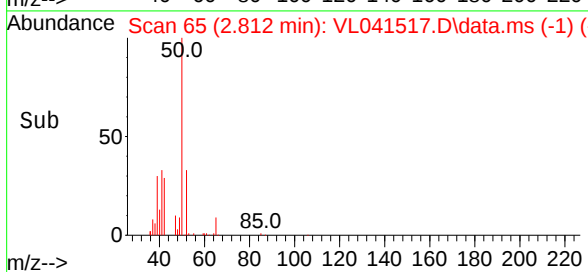
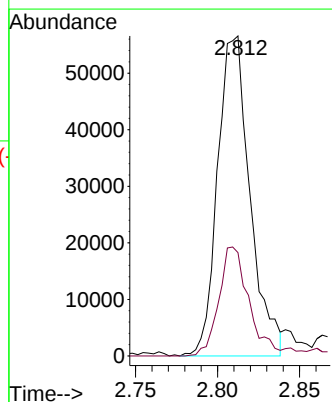
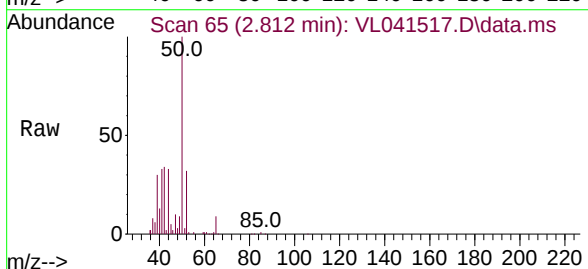
Acq: 8 Aug 2024 17:52

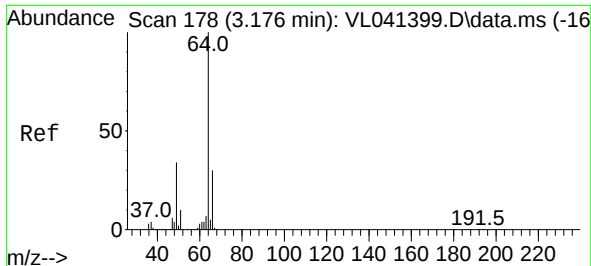
Tgt Ion: 50 Resp: 77764

Ion Ratio Lower Upper

50 100

52 32.3 26.1 39.1

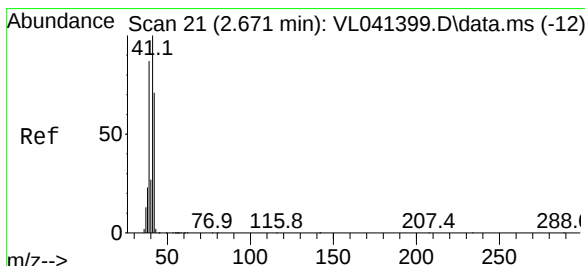
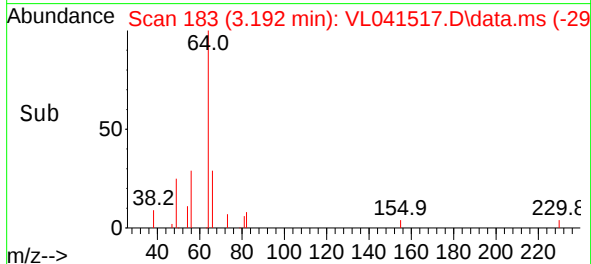
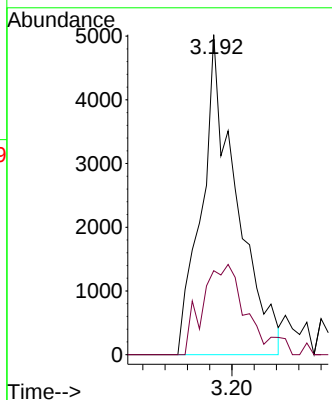
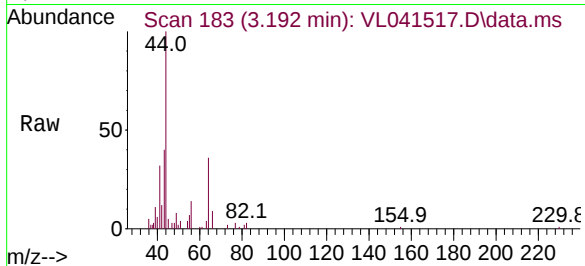




#7  
Chloroethane  
Concen: 0.213 ppbv  
RT: 3.192 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

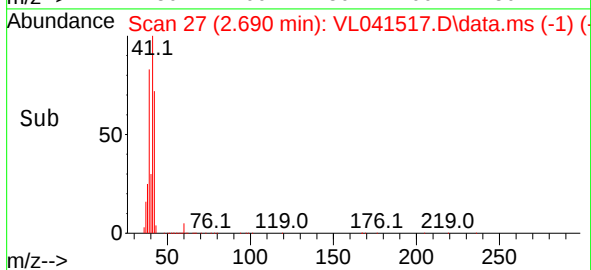
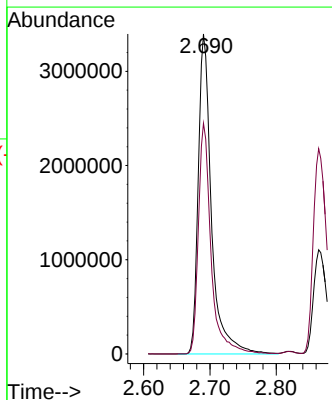
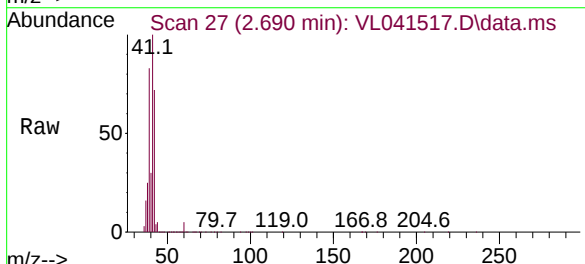
Instrument :  
MSVOA\_L  
ClientSampleId :

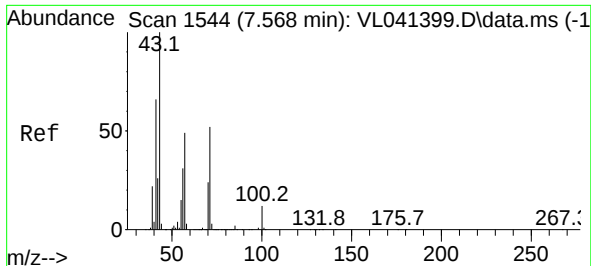
Tgt Ion: 64 Resp: 5422  
Ion Ratio Lower Upper  
64 100  
66 26.3 24.2 36.2



#9  
Propene  
Concen: 72.670 ppbv  
RT: 2.690 min Scan# 27  
Delta R.T. -0.006 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

Tgt Ion: 41 Resp: 4703066  
Ion Ratio Lower Upper  
41 100  
42 69.3 55.9 83.9





#10

Heptane

Concen: 7.775 ppbv

RT: 7.574 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

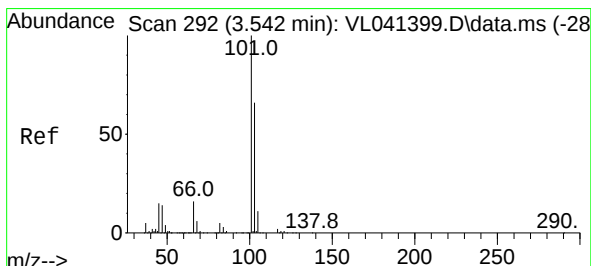
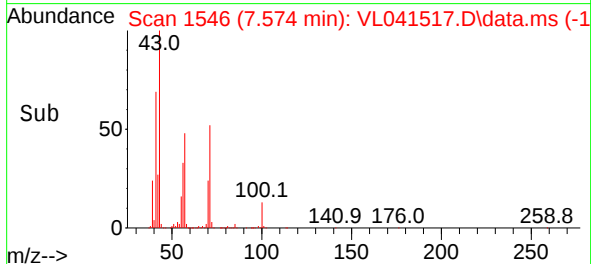
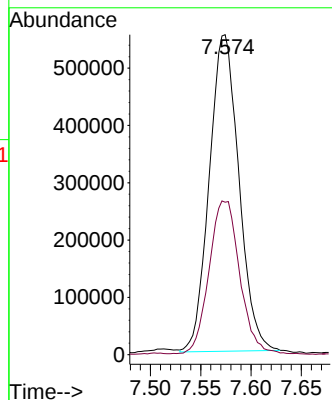
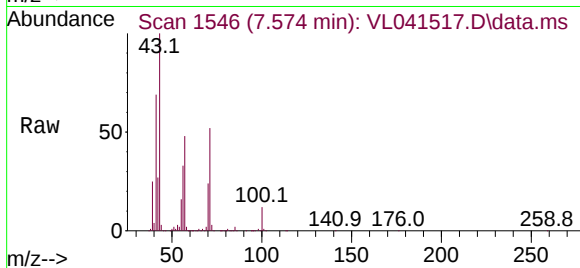
ClientSampleId :

Tgt Ion: 43 Resp: 1130586

Ion Ratio Lower Upper

43 100

57 50.7 40.5 60.7



#11

Trichlorofluoromethane

Concen: 0.189 ppbv

RT: 3.562 min Scan# 298

Delta R.T. 0.000 min

Lab File: VL041517.D

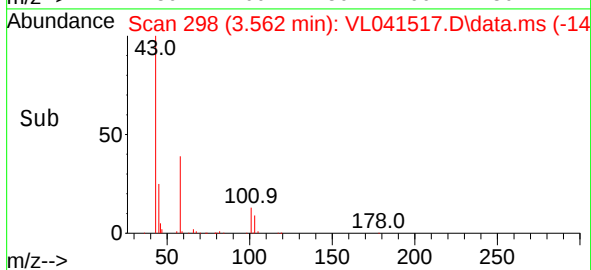
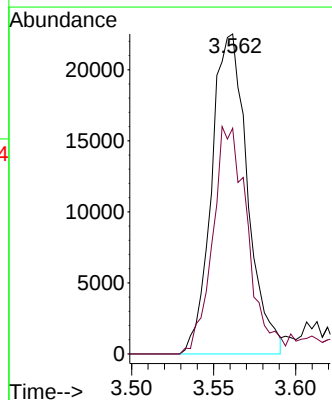
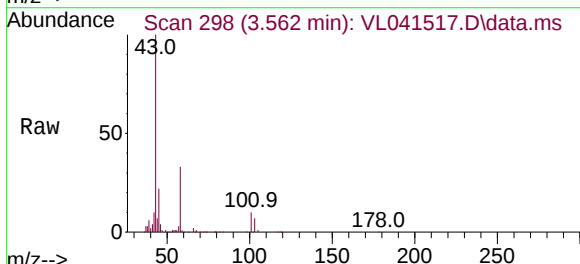
Acq: 8 Aug 2024 17:52

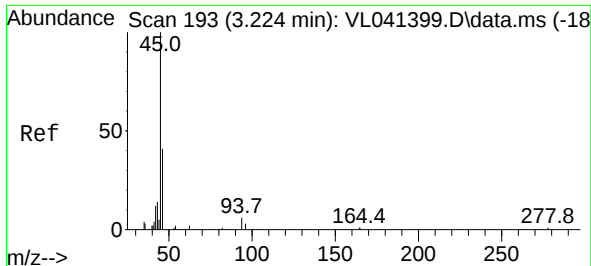
Tgt Ion:101 Resp: 34172

Ion Ratio Lower Upper

101 100

103 70.6 52.6 79.0





#13

Ethanol

Concen: 703.936 ppbv

RT: 3.246 min Scan# 20

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

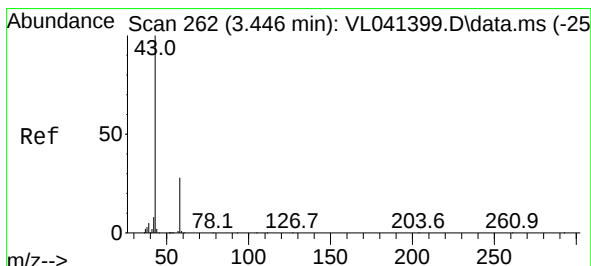
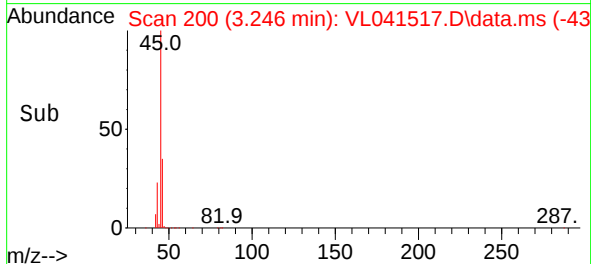
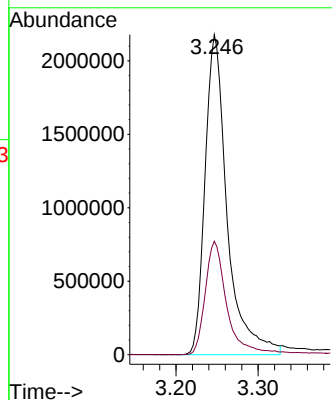
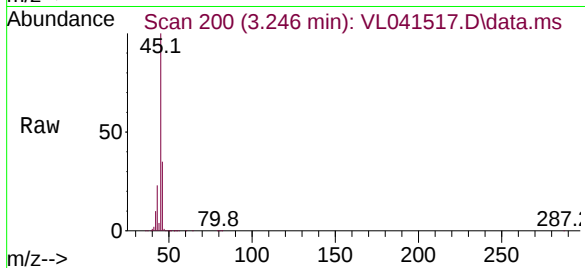
ClientSampleId :

Tgt Ion: 45 Resp: 4071797

Ion Ratio Lower Upper

45 100

46 35.7 13.4 53.4



#15

Acetone

Concen: 161.794 ppbv

RT: 3.465 min Scan# 268

Delta R.T. -0.003 min

Lab File: VL041517.D

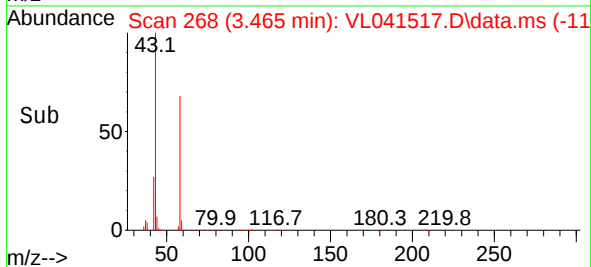
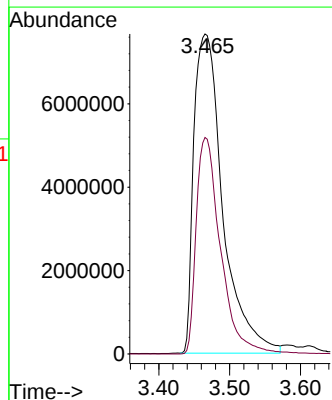
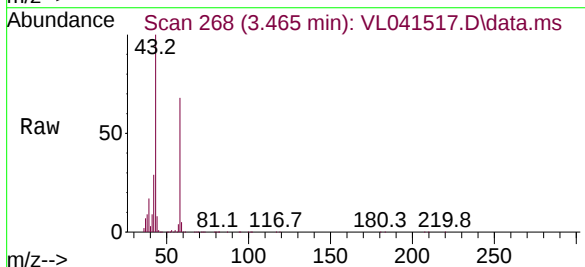
Acq: 8 Aug 2024 17:52

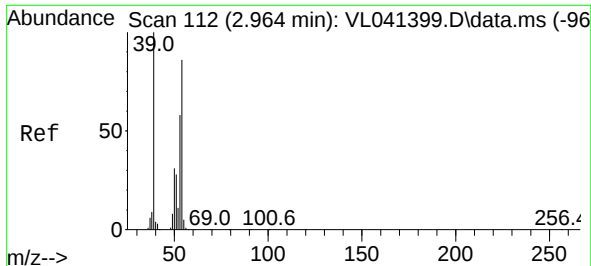
Tgt Ion: 43 Resp: 21755071

Ion Ratio Lower Upper

43 100

58 57.3 21.4 32.2#





#16

1,3-Butadiene

Concen: 5.033 ppbv

RT: 3.005 min Scan# 11

Delta R.T. 0.019 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

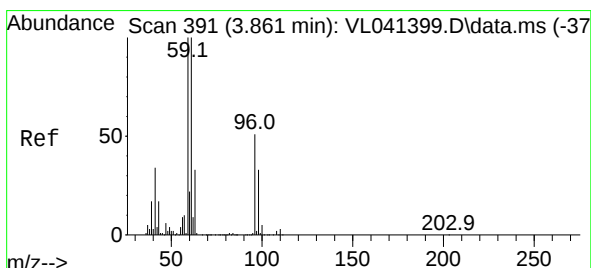
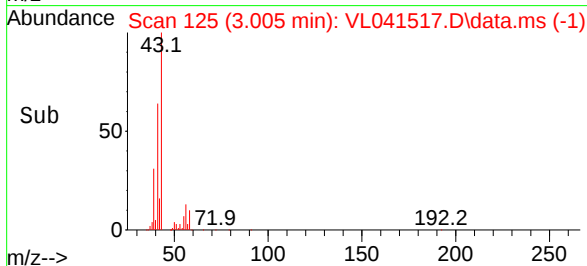
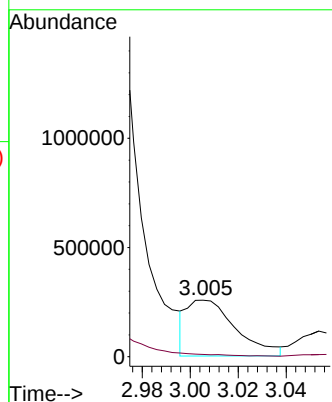
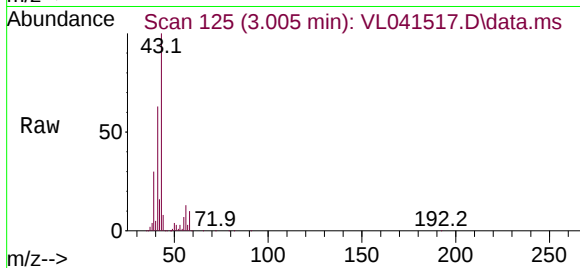
ClientSampleId :

Tgt Ion: 39 Resp: 361596

Ion Ratio Lower Upper

39 100

54 0.0 62.5 93.7#



#17

tert-Butyl alcohol

Concen: 6.936 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.013 min

Lab File: VL041517.D

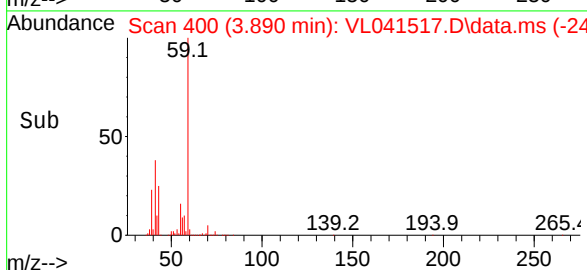
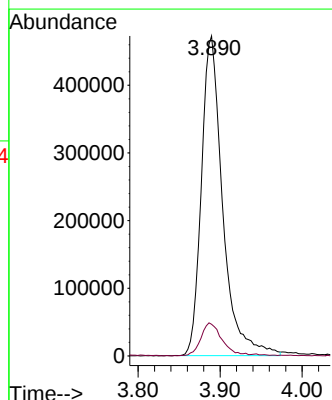
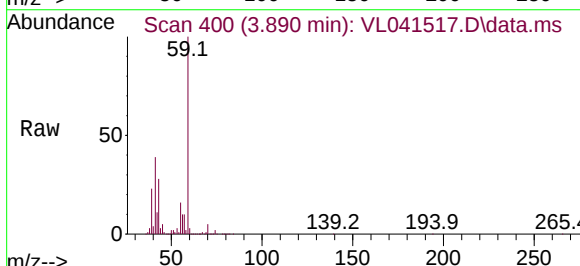
Acq: 8 Aug 2024 17:52

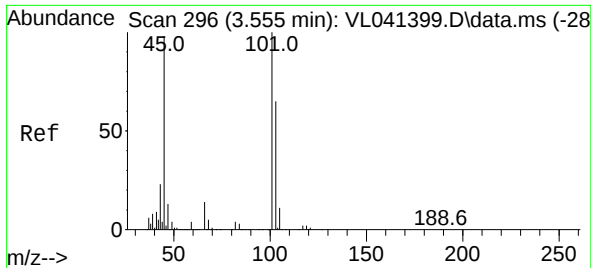
Tgt Ion: 59 Resp: 850544

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8





#19

Isopropyl Alcohol

Concen: 9.618 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.010 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

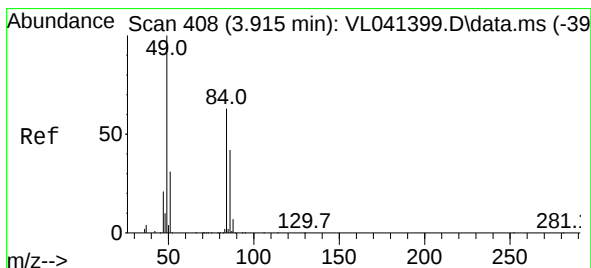
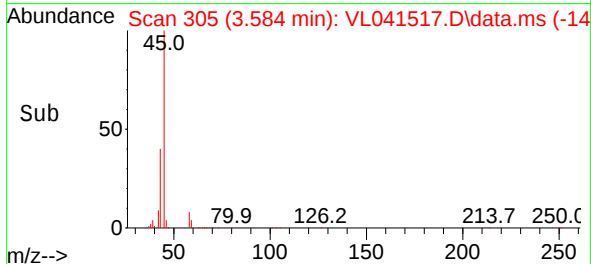
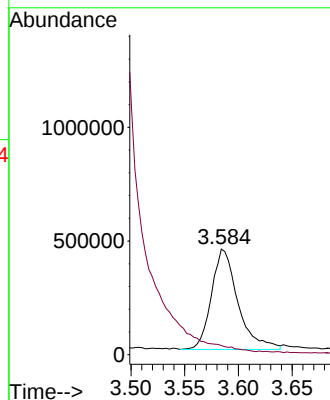
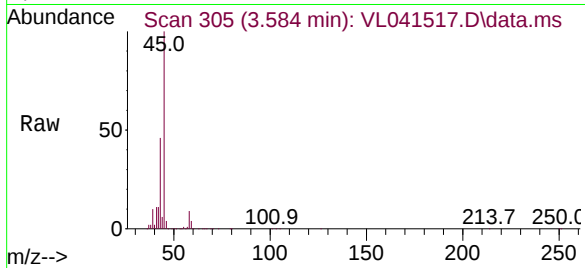
ClientSampleId :

Tgt Ion: 45 Resp: 756077

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 18.881 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.006 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion: 84 Resp: 946739

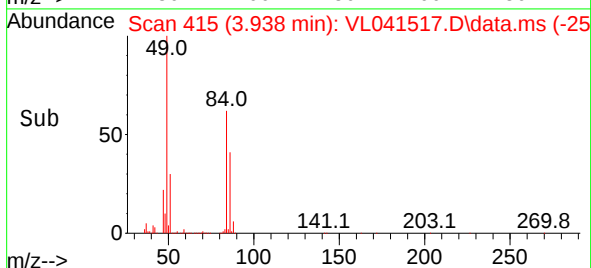
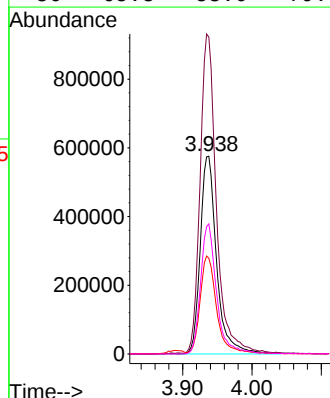
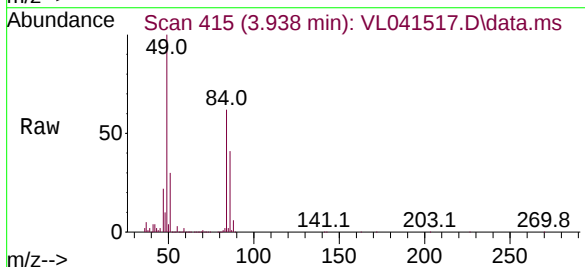
Ion Ratio Lower Upper

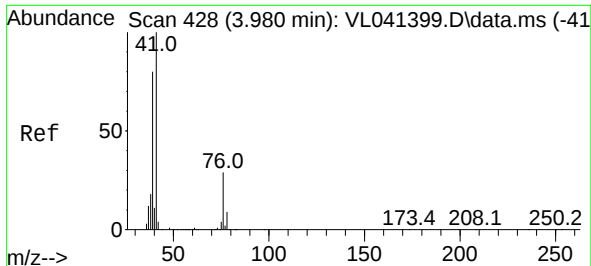
84 100

49 159.7 126.6 190.0

51 48.3 38.6 58.0

86 65.8 53.0 79.4

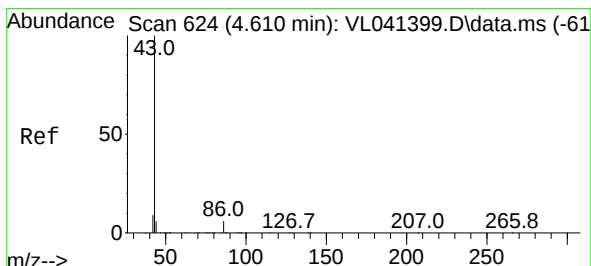
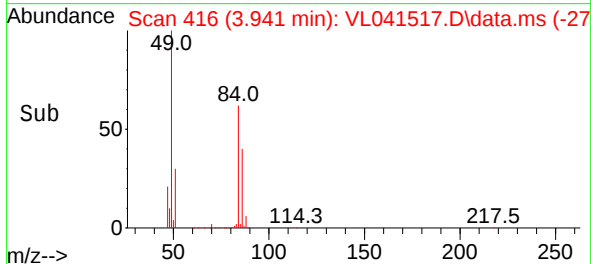
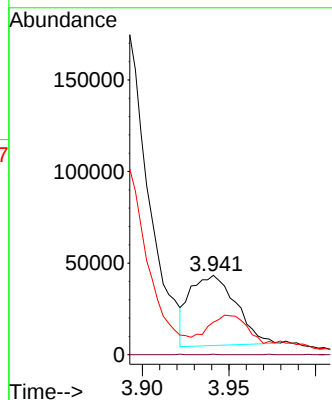
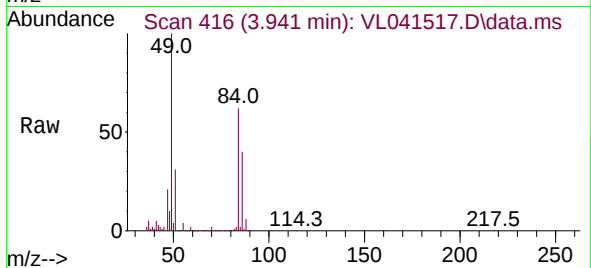




#21  
 Allyl Chloride  
 Concen: 0.804 ppbv  
 RT: 3.941 min Scan# 41  
 Delta R.T. -0.055 min  
 Lab File: VL041517.D  
 Acq: 8 Aug 2024 17:52

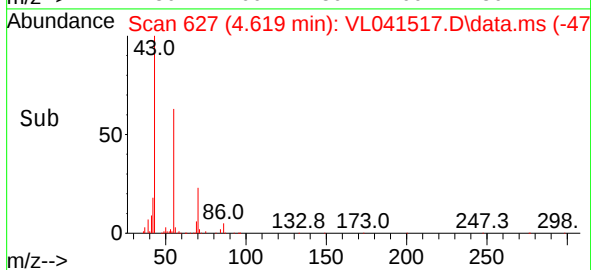
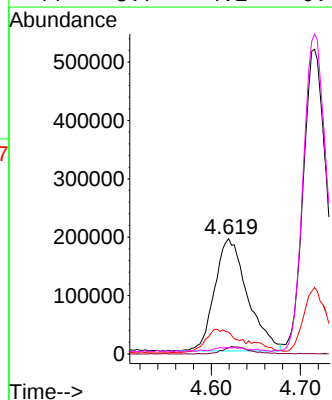
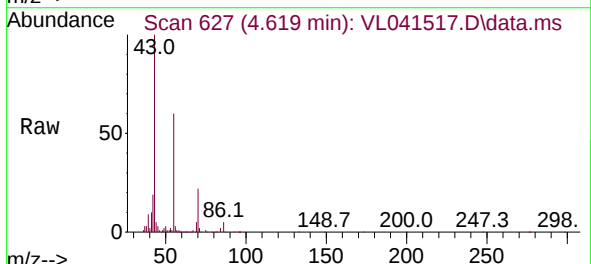
Instrument :  
 MSVOA\_L  
 ClientSampleId :

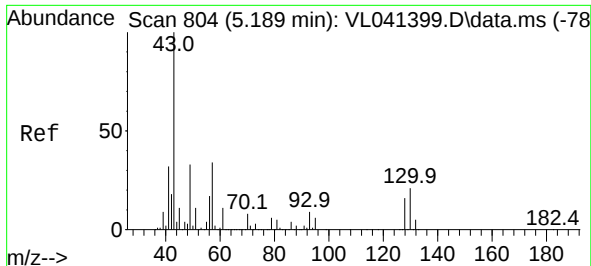
Tgt Ion: 41 Resp: 70901  
 Ion Ratio Lower Upper  
 41 100  
 76 0.0 23.7 35.5#  
 39 0.0 64.3 96.5#



#23  
 Vinyl Acetate  
 Concen: 4.784 ppbv  
 RT: 4.619 min Scan# 627  
 Delta R.T. -0.006 min  
 Lab File: VL041517.D  
 Acq: 8 Aug 2024 17:52

Tgt Ion: 43 Resp: 491263  
 Ion Ratio Lower Upper  
 43 100  
 86 5.4 4.6 6.8  
 42 18.4 7.9 11.9#  
 44 3.7 4.2 6.4#





#25

Ethyl Acetate

Concen: 2.462 ppbv

RT: 5.205 min Scan# 80

Delta R.T. 0.003 min

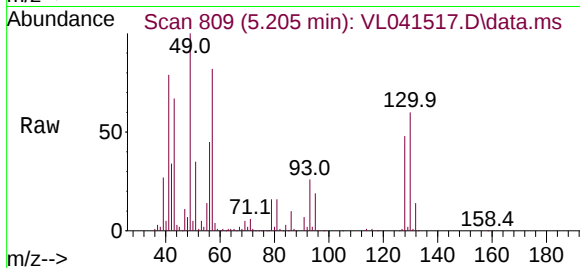
Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion: 43 Resp: 657660

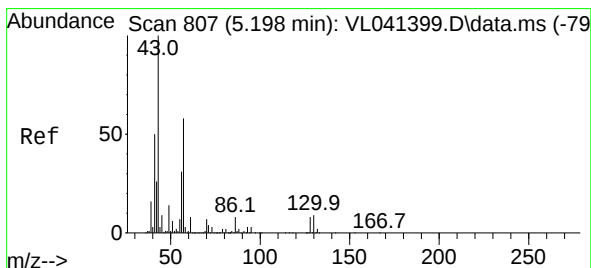
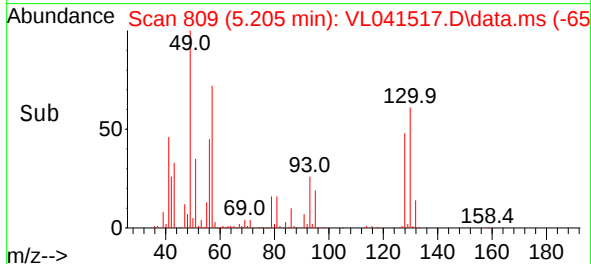
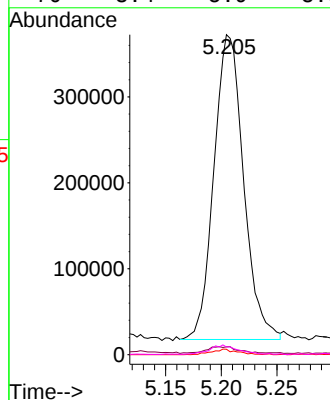
Ion Ratio Lower Upper

43 100

45 0.0 8.5 12.7#

61 1.6 8.0 12.0#

70 3.4 5.9 8.9#



#26

Hexane

Concen: 7.412 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion: 57 Resp: 821302

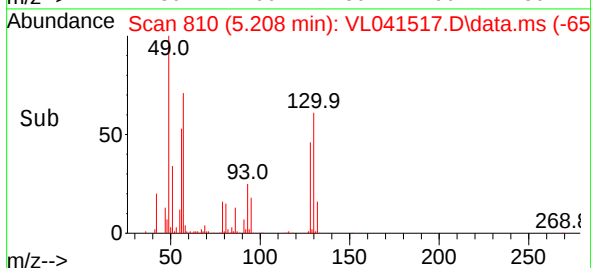
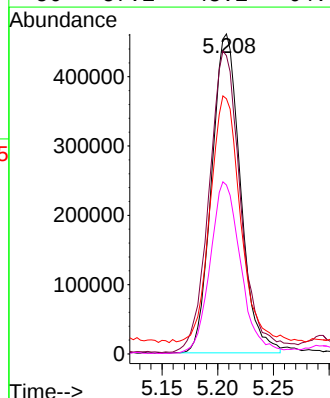
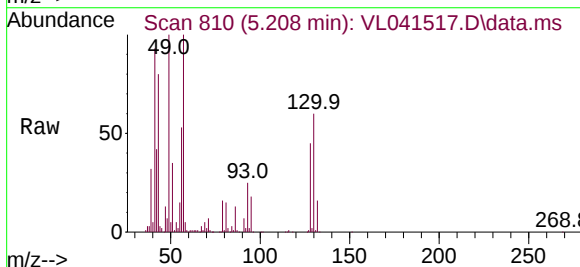
Ion Ratio Lower Upper

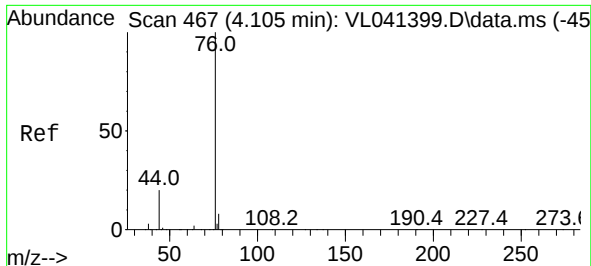
57 100

41 104.7 74.0 111.0

43 0.0 193.6 290.4#

56 57.1 43.1 64.7

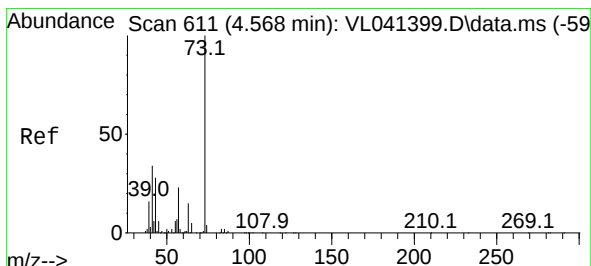
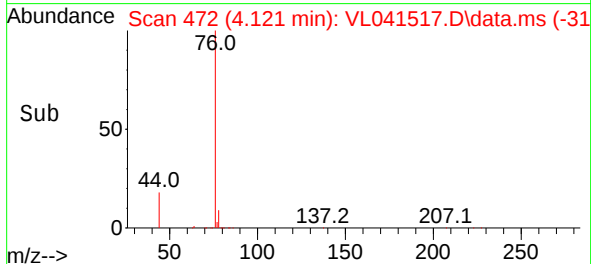
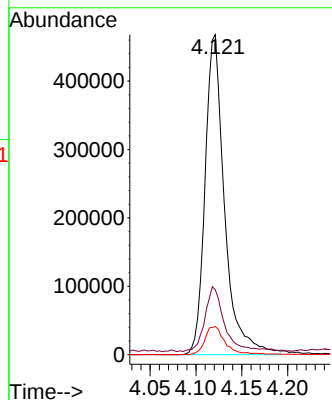
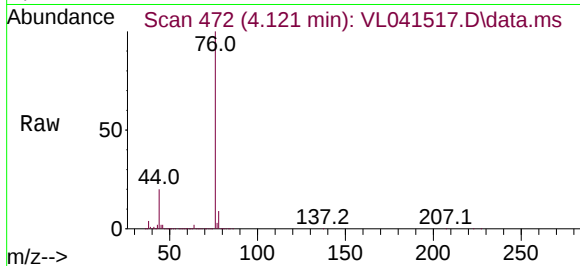




#27  
Carbon Disulfide  
Concen: 5.343 ppbv  
RT: 4.121 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

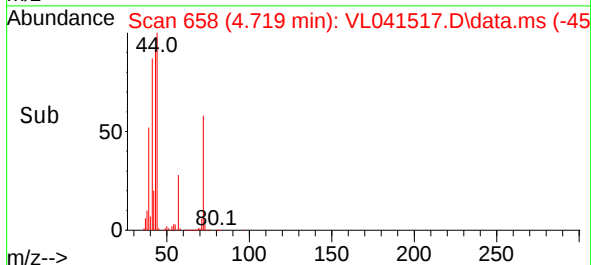
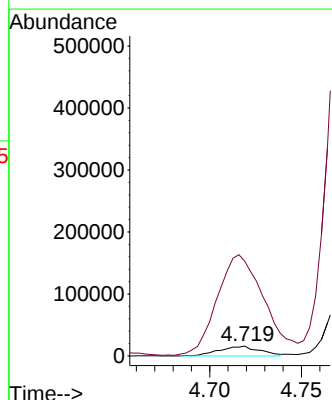
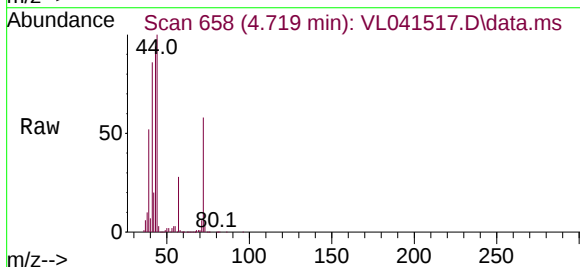
Instrument :  
MSVOA\_L  
ClientSampleId :

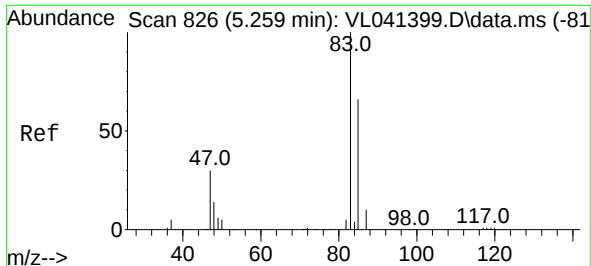
Tgt Ion: 76 Resp: 692618  
Ion Ratio Lower Upper  
76 100  
44 20.9 15.6 23.4  
78 9.3 7.7 11.5



#28  
Methyl tert-Butyl Ether  
Concen: 0.349 ppbv  
RT: 4.719 min Scan# 658  
Delta R.T. 0.138 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

Tgt Ion: 73 Resp: 24390  
Ion Ratio Lower Upper  
73 100  
57 1165.8 18.9 28.3#





#29

Chloroform

Concen: 0.224 ppbv

RT: 5.282 min Scan# 84

Delta R.T. 0.010 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

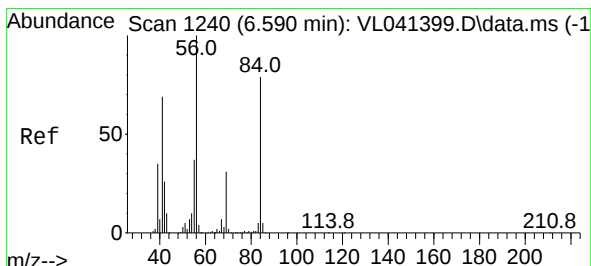
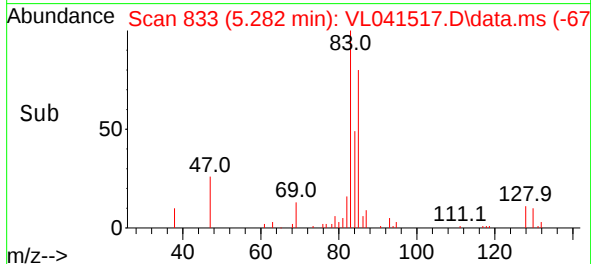
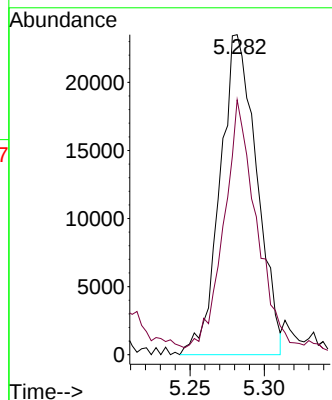
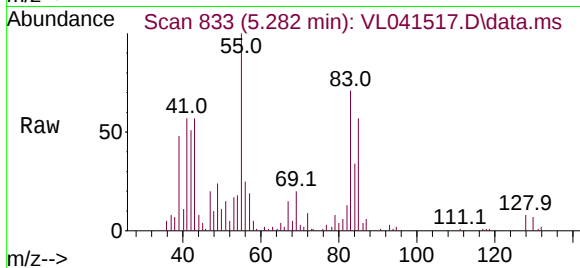
ClientSampleId :

Tgt Ion: 83 Resp: 40419

Ion Ratio Lower Upper

83 100

85 76.8 53.1 79.7



#30

Cyclohexane

Concen: 0.317 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

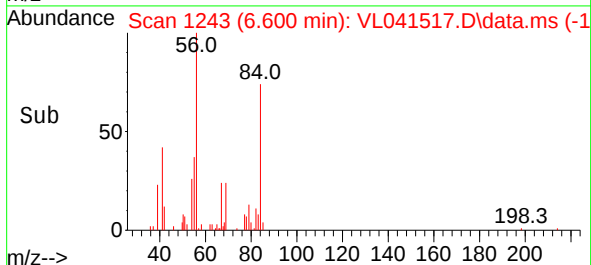
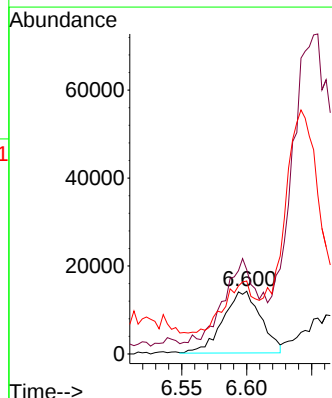
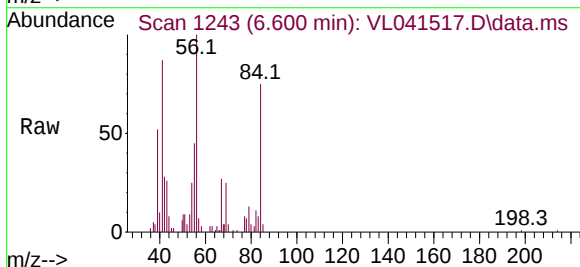
Tgt Ion: 84 Resp: 28591

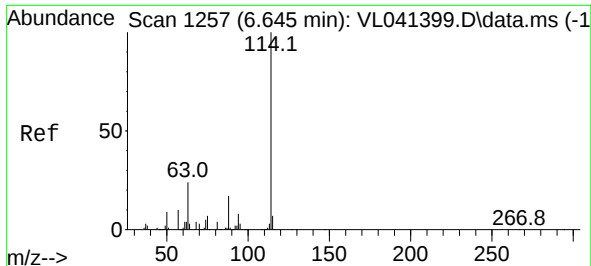
Ion Ratio Lower Upper

84 100

56 137.9 111.2 166.8

41 0.0 70.3 105.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

ClientSampleId :

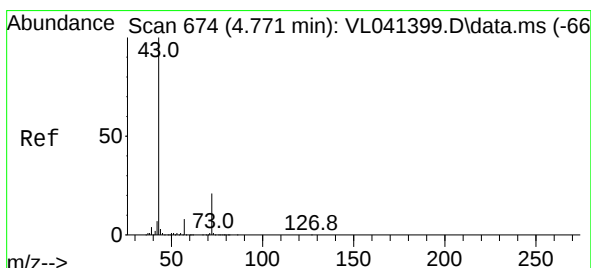
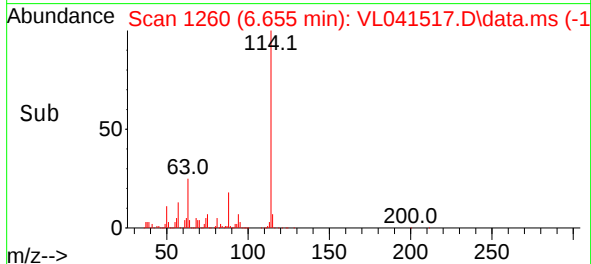
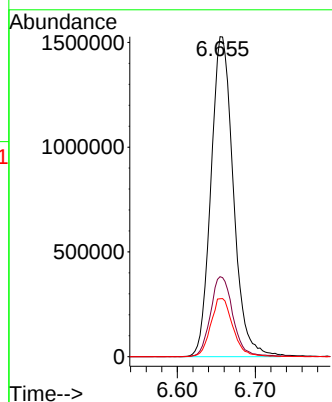
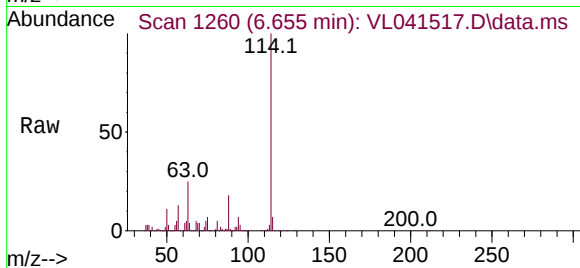
Tgt Ion:114 Resp: 3047645

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 191.612 ppbv

RT: 4.799 min Scan# 683

Delta R.T. 0.016 min

Lab File: VL041517.D

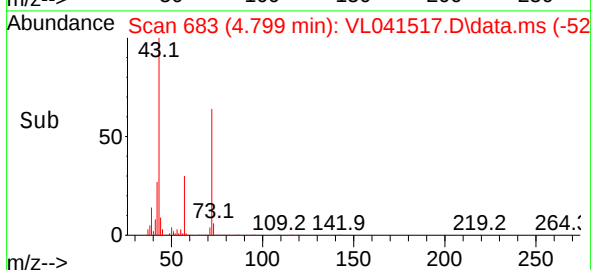
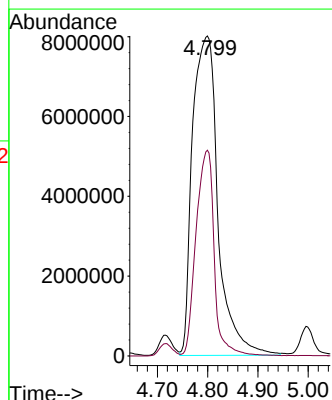
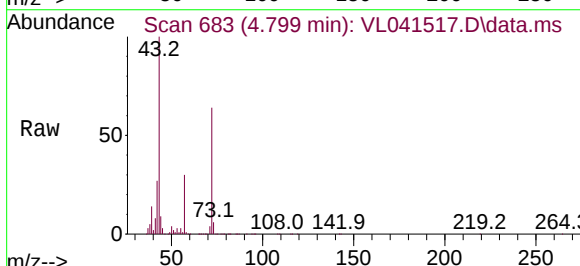
Acq: 8 Aug 2024 17:52

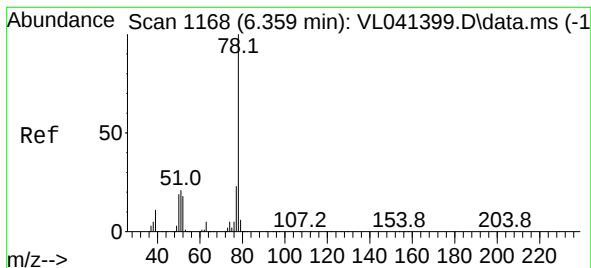
Tgt Ion: 43 Resp:28248396

Ion Ratio Lower Upper

43 100

72 45.7 17.3 25.9#





#36

Benzene

Concen: 0.369 ppbv

RT: 6.369 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

ClientSampleId :

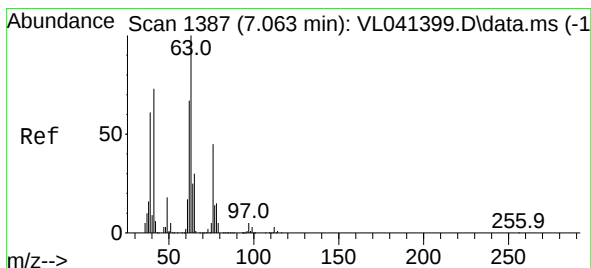
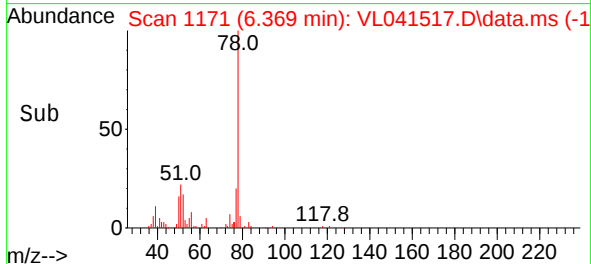
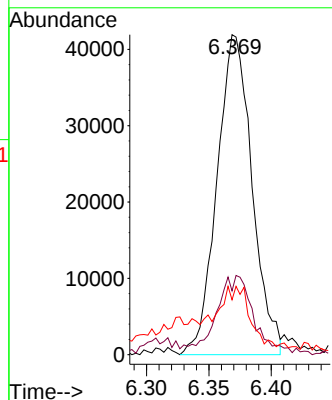
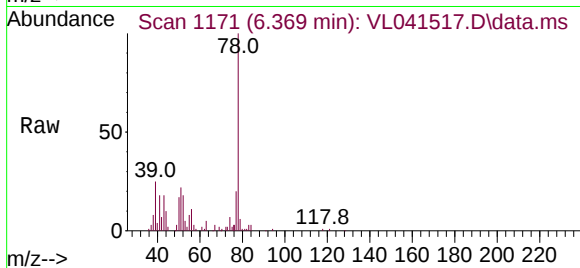
Tgt Ion: 78 Resp: 82138

Ion Ratio Lower Upper

78 100

77 18.1 18.1 27.1

50 13.8 15.5 23.3#



#39

1,2-Dichloropropane

Concen: 0.212 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.199 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

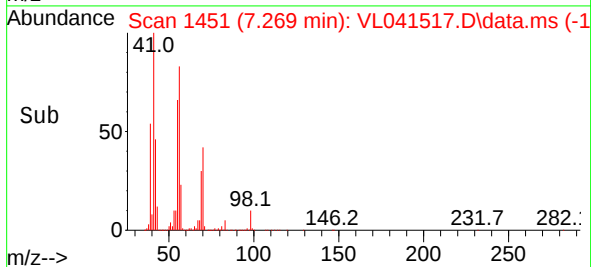
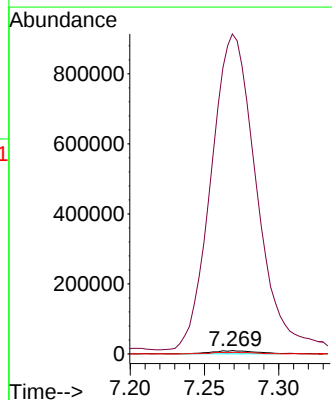
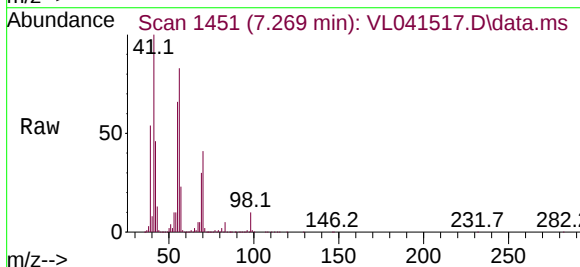
Tgt Ion: 63 Resp: 18055

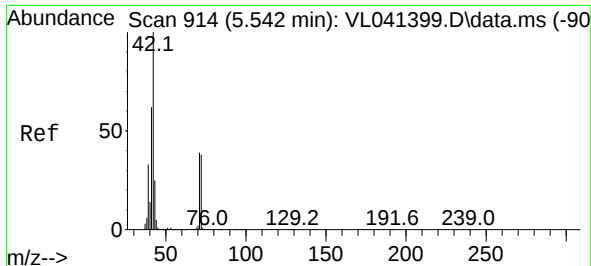
Ion Ratio Lower Upper

63 100

41 9378.0 58.3 87.5#

62 42.7 53.9 80.9#





#41

Tetrahydrofuran

Concen: 0.046 ppbv

RT: 5.555 min Scan# 914

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

ClientSampleId :

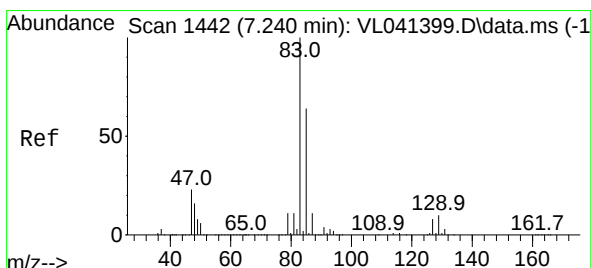
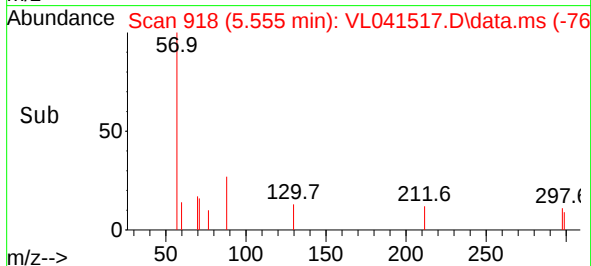
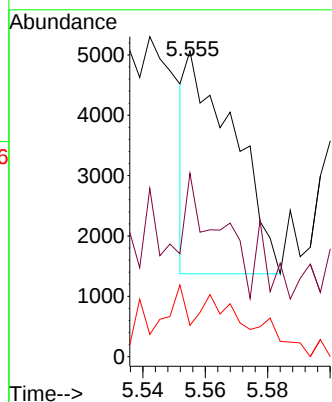
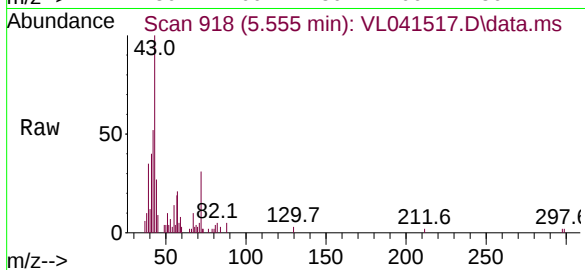
Tgt Ion: 42 Resp: 3891

Ion Ratio Lower Upper

42 100

72 107.9 31.2 46.8#

71 0.0 30.5 45.7#



#42

Bromodichloromethane

Concen: 0.464 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.026 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

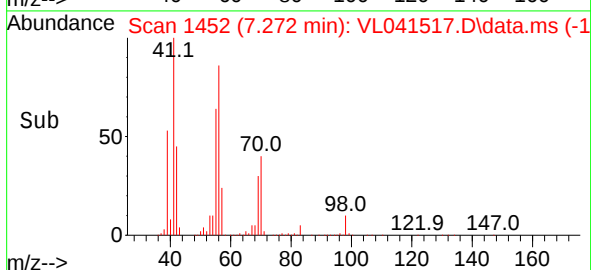
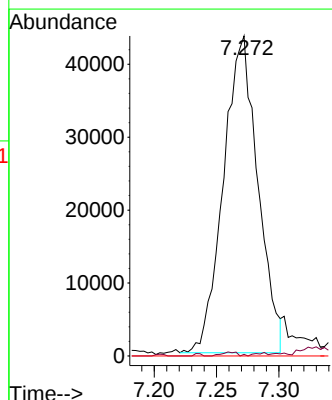
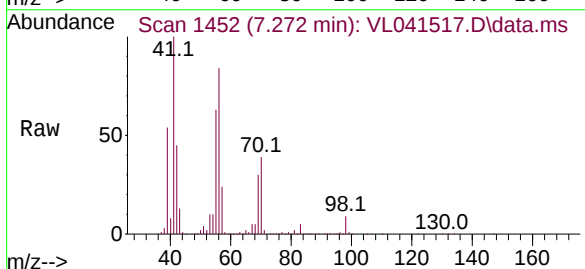
Tgt Ion: 83 Resp: 83434

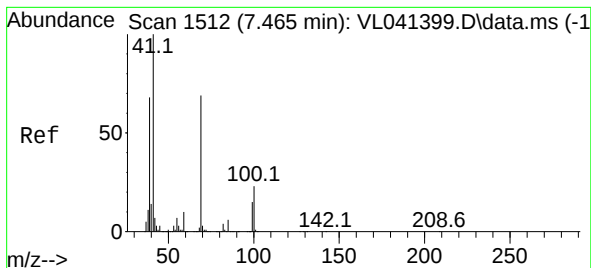
Ion Ratio Lower Upper

83 100

85 0.5 51.4 77.0#

127 0.0 6.7 10.1#





#43

Methyl Methacrylate

Concen: 0.286 ppbv

RT: 7.516 min Scan# 1

Delta R.T. 0.048 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

ClientSampleId :

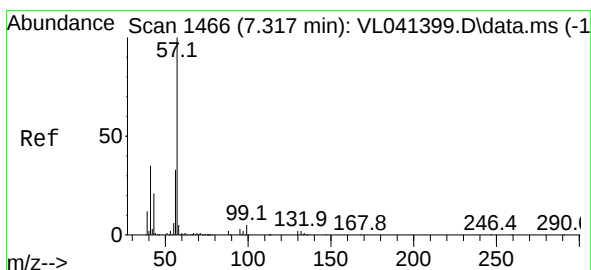
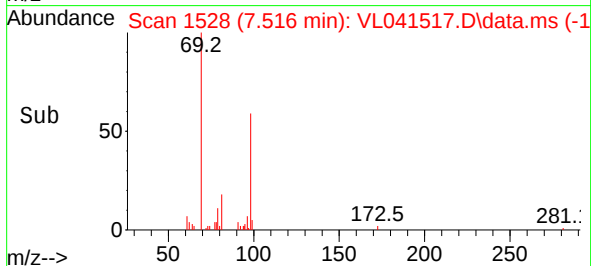
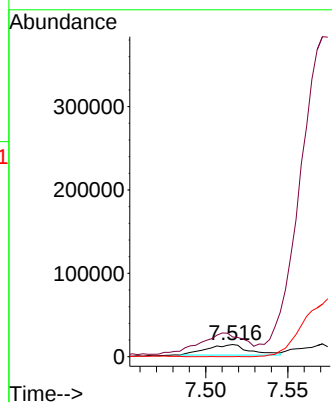
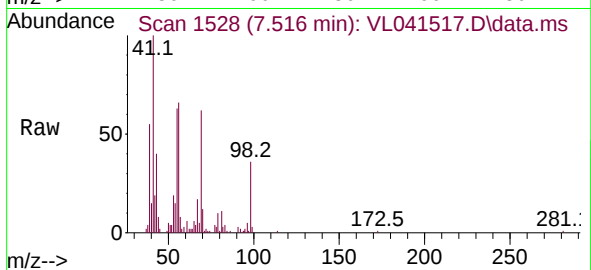
Tgt Ion: 69 Resp: 22877

Ion Ratio Lower Upper

69 100

41 0.0 118.7 178.1#

100 27.4 27.0 40.4



#44

2,2,4-Trimethylpentane

Concen: 0.223 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

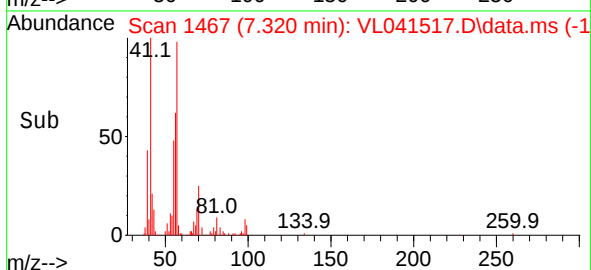
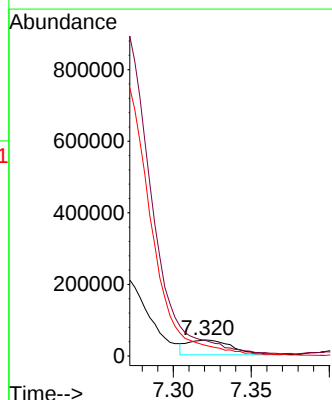
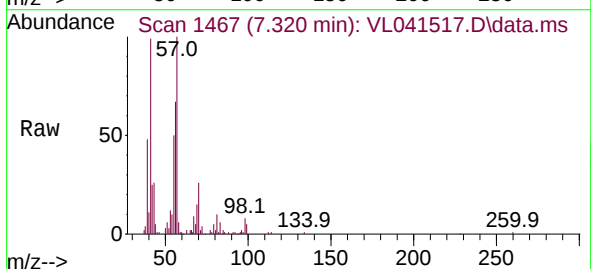
Tgt Ion: 57 Resp: 82769

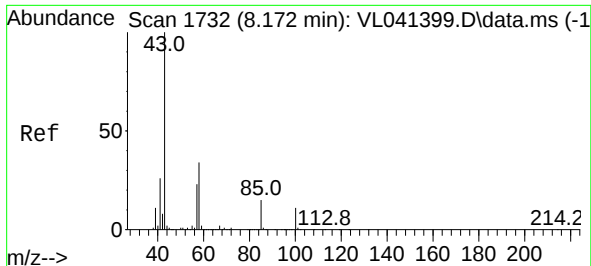
Ion Ratio Lower Upper

57 100

41 0.0 27.0 40.6#

56 0.0 25.2 37.8#





#50

4-Methyl-2-Pentanone

Concen: 0.702 ppbv

RT: 8.176 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

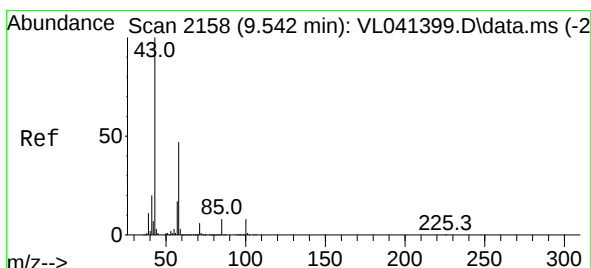
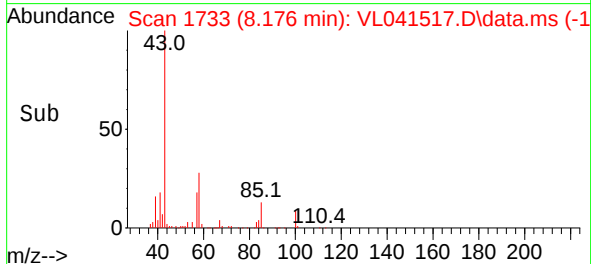
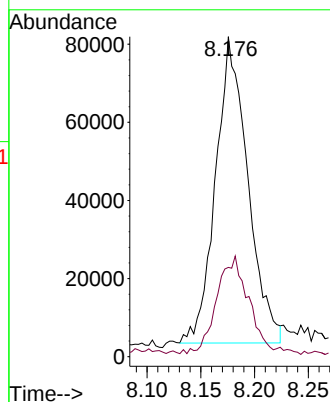
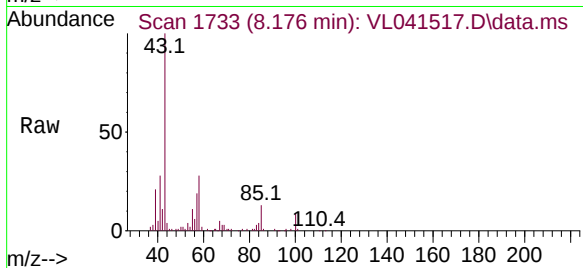
ClientSampleId :

Tgt Ion: 43 Resp: 163169

Ion Ratio Lower Upper

43 100

58 32.6 27.9 41.9



#51

2-Hexanone

Concen: 5.825 ppbv

RT: 9.542 min Scan# 2158

Delta R.T. -0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

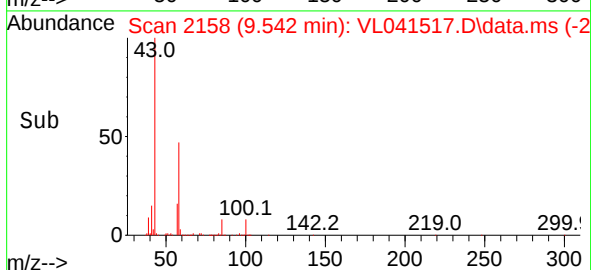
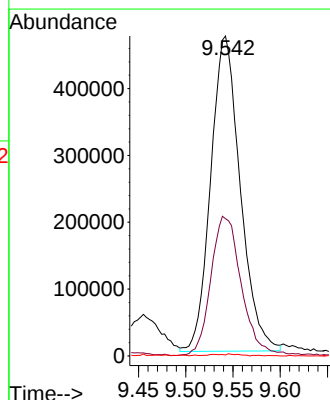
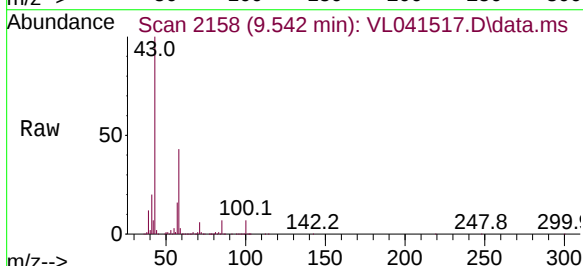
Tgt Ion: 43 Resp: 1024435

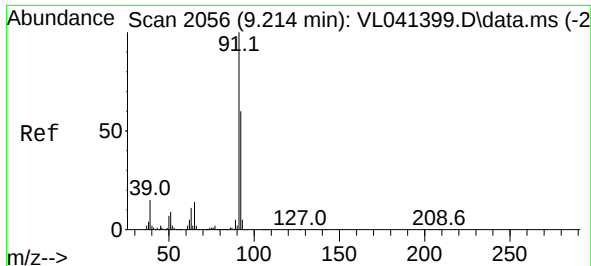
Ion Ratio Lower Upper

43 100

58 45.7 38.2 57.2

98 0.7 0.3 0.5#





#53

Toluene

Concen: 1.627 ppbv

RT: 9.221 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

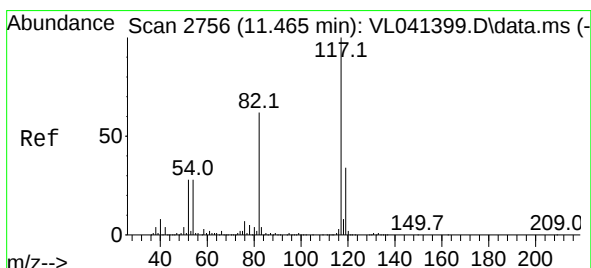
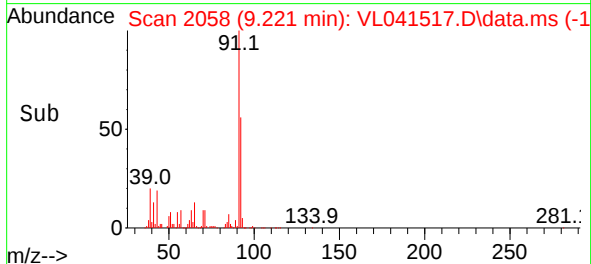
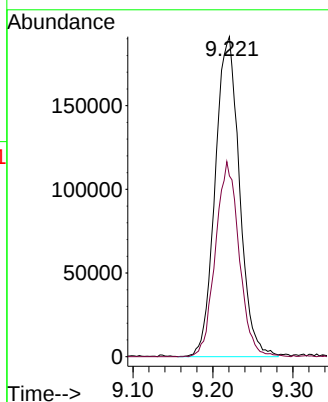
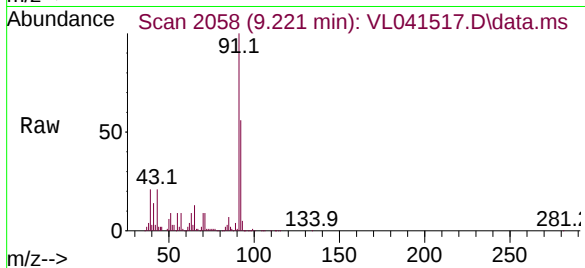
ClientSampleId :

Tgt Ion: 91 Resp: 403511

Ion Ratio Lower Upper

91 100

92 59.3 48.7 73.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 2754

Delta R.T. -0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

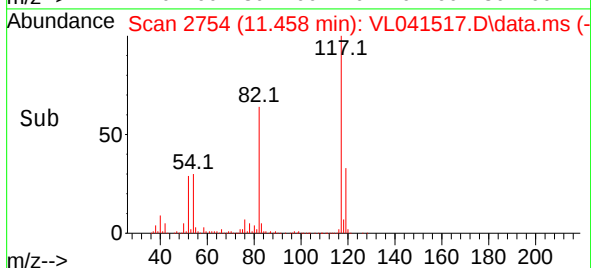
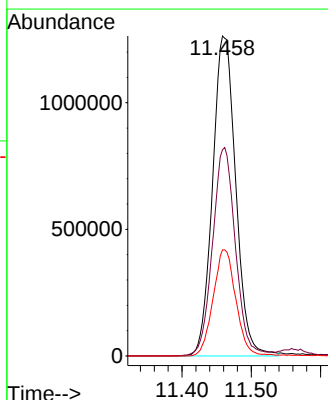
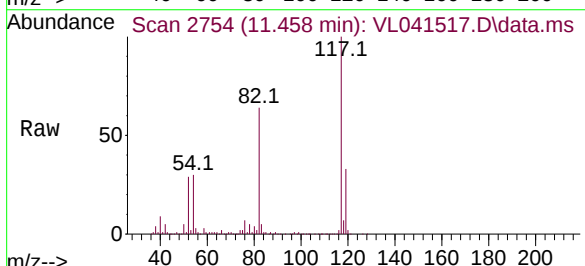
Tgt Ion: 117 Resp: 2938595

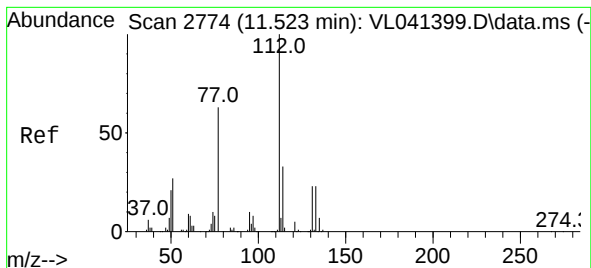
Ion Ratio Lower Upper

117 100

82 64.2 51.0 76.6

119 33.0 45.2 67.8#

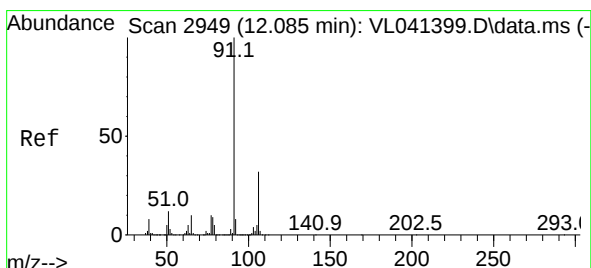
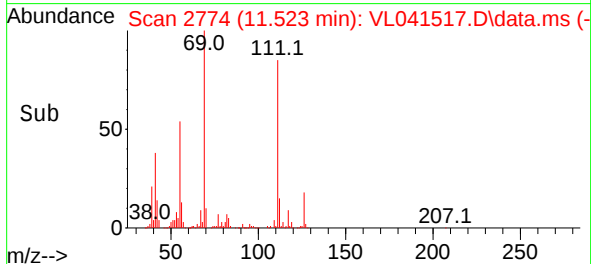
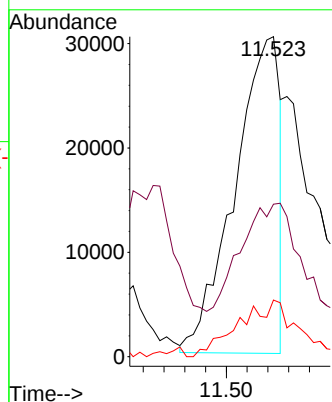
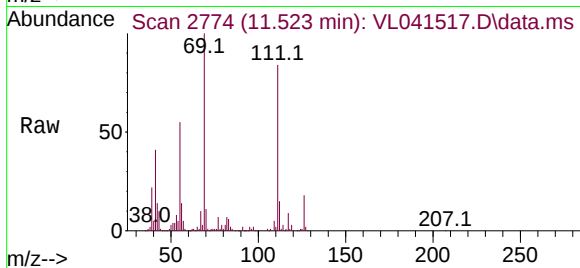




#57  
Chlorobenzene  
Concen: 0.219 ppbv  
RT: 11.523 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

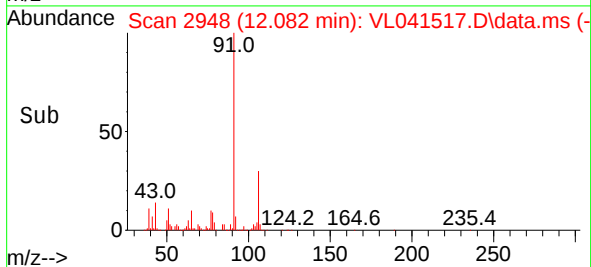
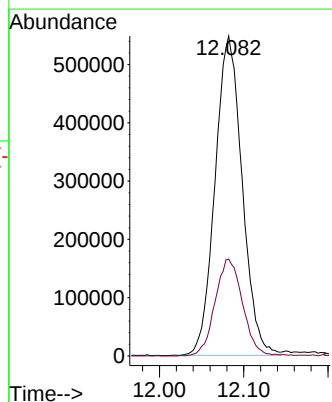
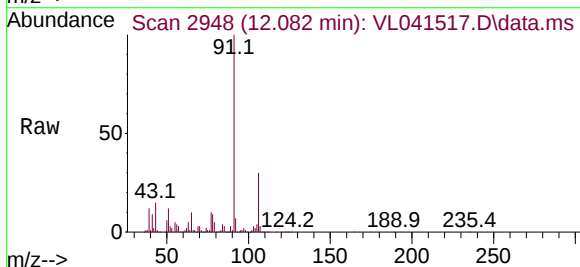
Instrument :  
MSVOA\_L  
ClientSampleId :

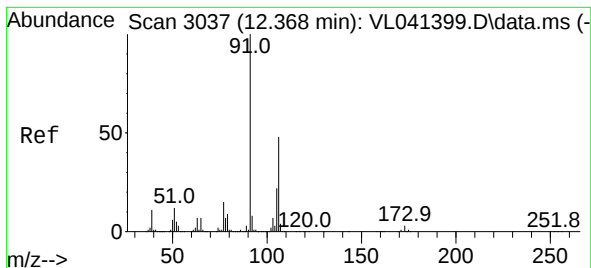
Tgt Ion:112 Resp: 45806  
Ion Ratio Lower Upper  
112 100  
77 20.0 51.1 76.7#  
114 15.2 29.5 36.1#



#58  
Ethyl Benzene  
Concen: 3.614 ppbv  
RT: 12.082 min Scan# 2948  
Delta R.T. -0.003 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

Tgt Ion: 91 Resp: 1224215  
Ion Ratio Lower Upper  
91 100  
106 30.3 25.8 38.8





#59

m/p-Xylene

Concen: 8.607 ppbv

RT: 12.333 min Scan# 3037

Delta R.T. -0.035 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

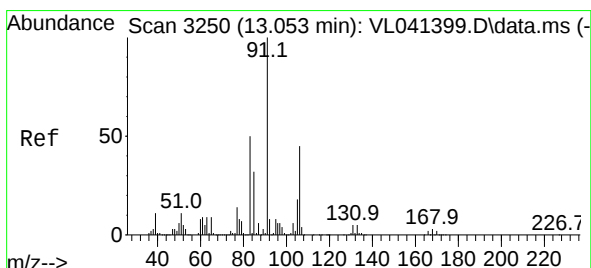
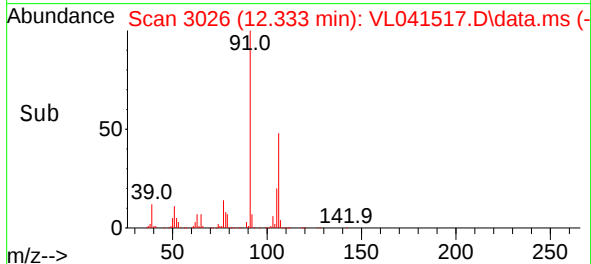
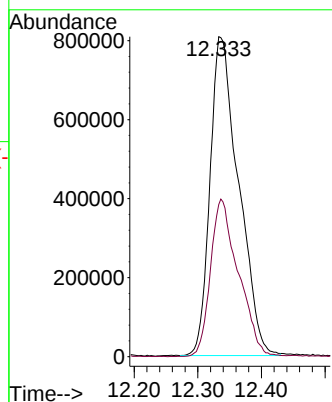
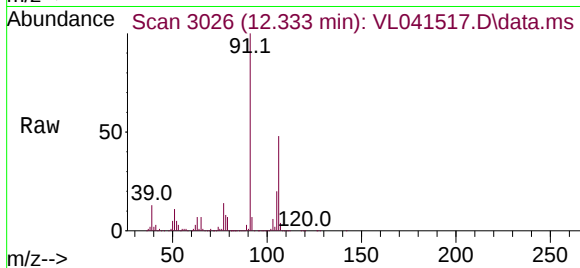
ClientSampleId :

Tgt Ion: 91 Resp: 2516701

Ion Ratio Lower Upper

91 100

106 48.5 36.3 54.5



#60

o-Xylene

Concen: 3.051 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VL041517.D

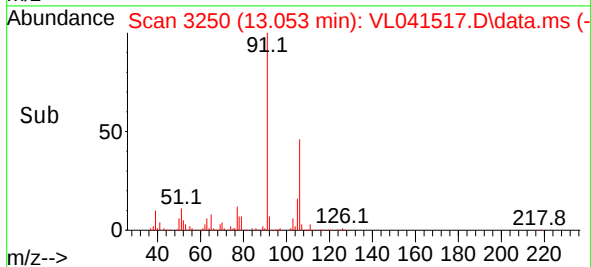
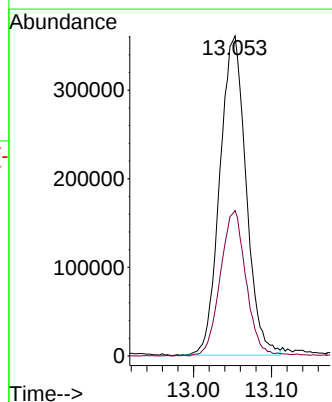
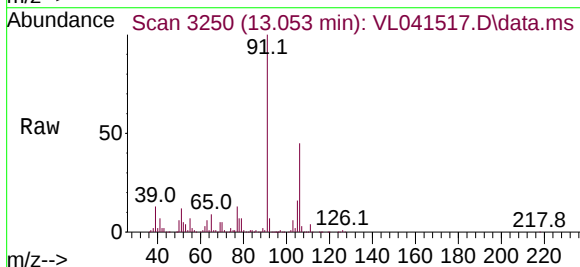
Acq: 8 Aug 2024 17:52

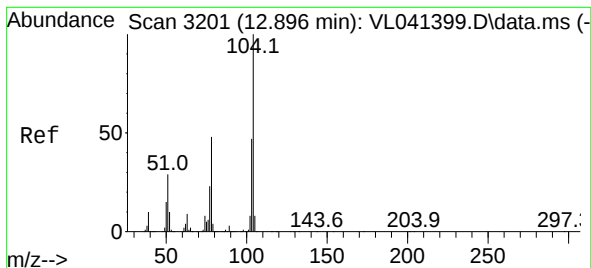
Tgt Ion: 91 Resp: 843830

Ion Ratio Lower Upper

91 100

106 45.0 23.1 69.3





#61

Styrene

Concen: 0.048 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. -0.003 min MSVOA\_L

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

ClientSampleId :

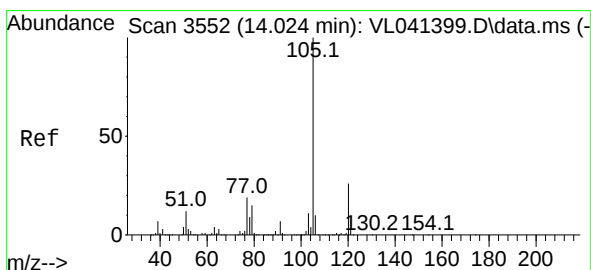
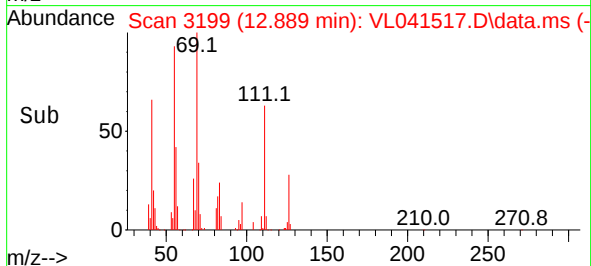
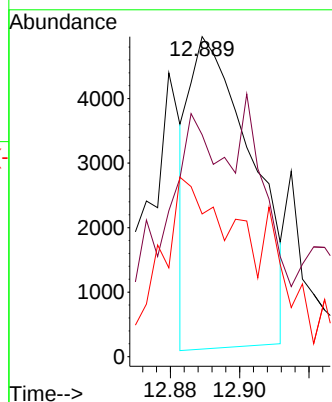
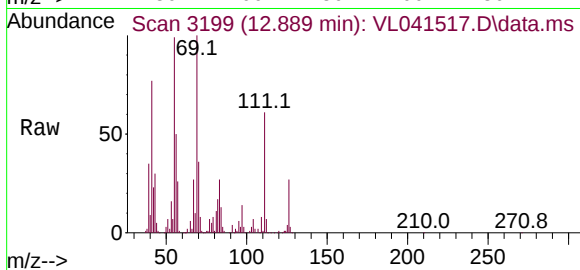
Tgt Ion:104 Resp: 6026

Ion Ratio Lower Upper

104 100

78 0.0 40.8 61.2#

103 0.0 38.2 57.4#



#62

Isopropylbenzene

Concen: 0.041 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.003 min

Lab File: VL041517.D

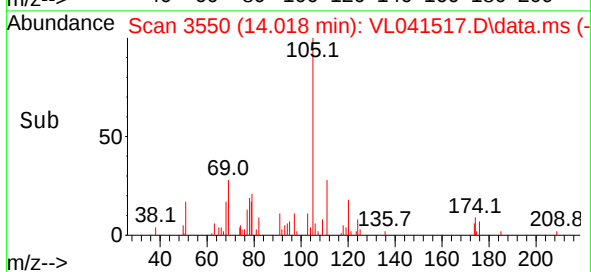
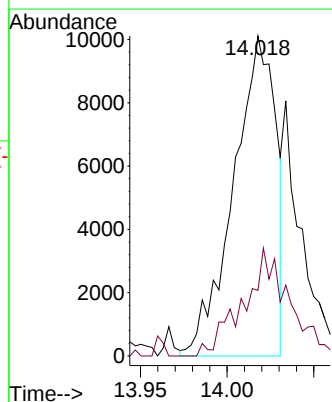
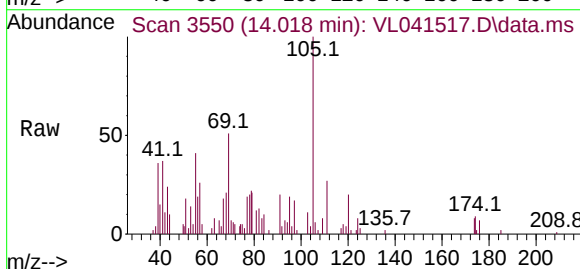
Acq: 8 Aug 2024 17:52

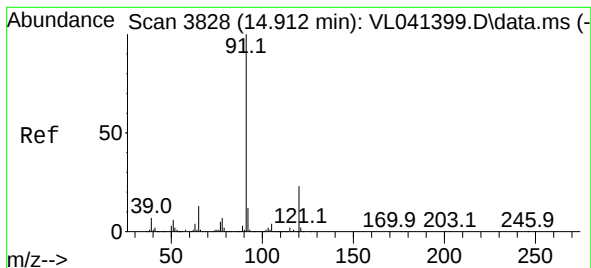
Tgt Ion:105 Resp: 17198

Ion Ratio Lower Upper

105 100

120 36.2 21.0 31.4#





#64

n-propylbenzene

Concen: 0.037 ppbv

RT: 14.899 min Scan# 3824

Delta R.T. -0.013 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

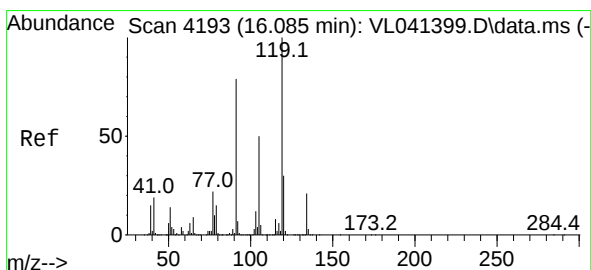
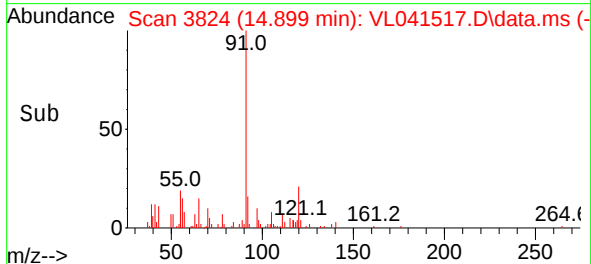
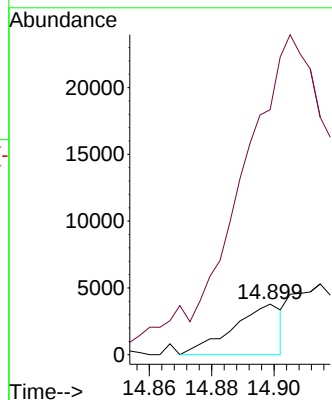
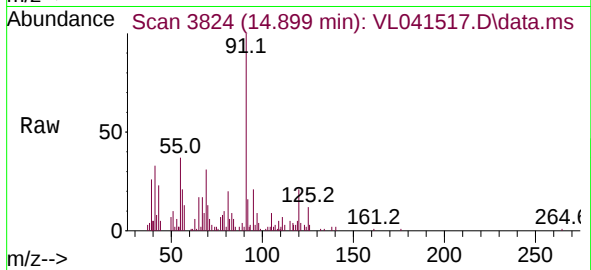
ClientSampleId :

Tgt Ion:120 Resp: 4120

Ion Ratio Lower Upper

120 100

91 1236.4 361.4 542.0#



#65

tert-Butylbenzene

Concen: 0.049 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. 0.013 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

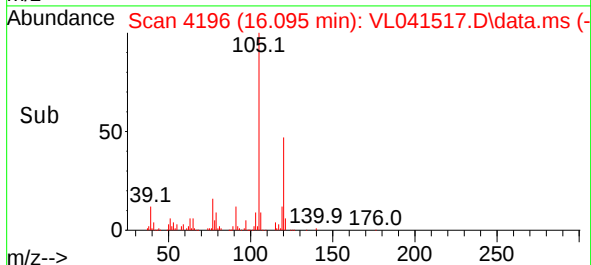
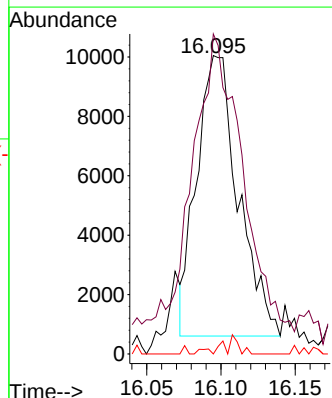
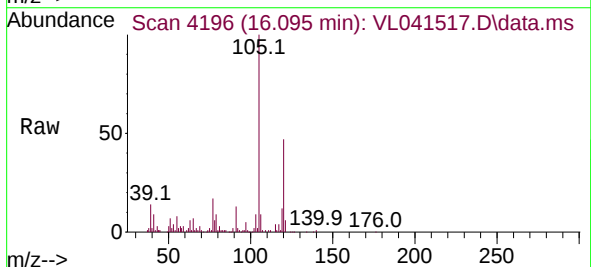
Tgt Ion:119 Resp: 18458

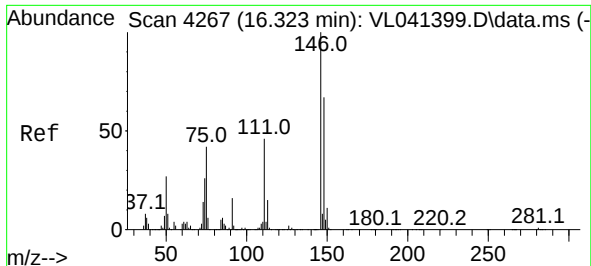
Ion Ratio Lower Upper

119 100

91 150.1 64.2 96.2#

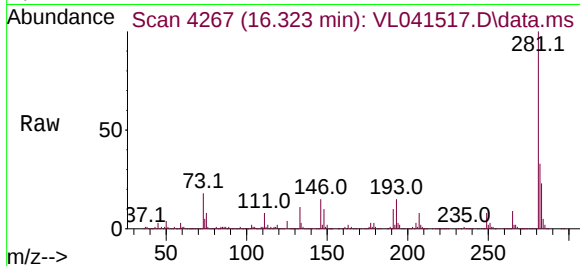
134 2.8 15.7 23.5#



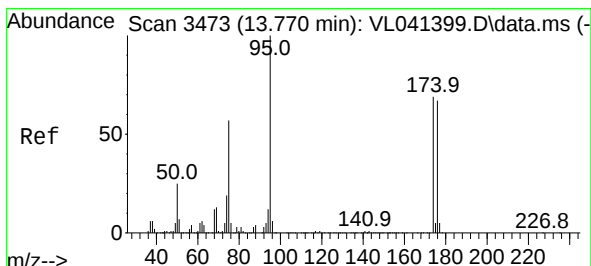
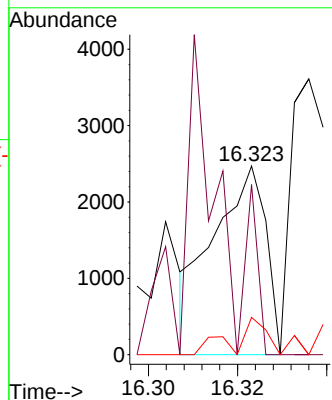
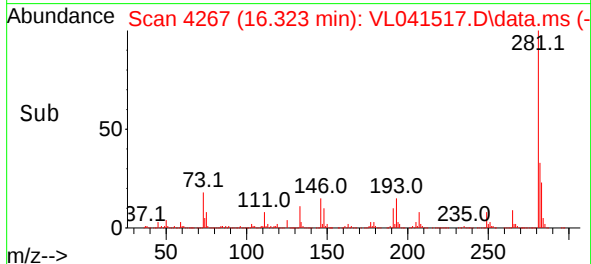


#66  
Benzyl Chloride  
Concen: 0.084 ppbv  
RT: 16.323 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

Instrument :  
MSVOA\_L  
ClientSampleId :

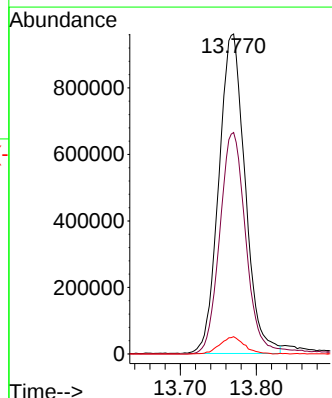
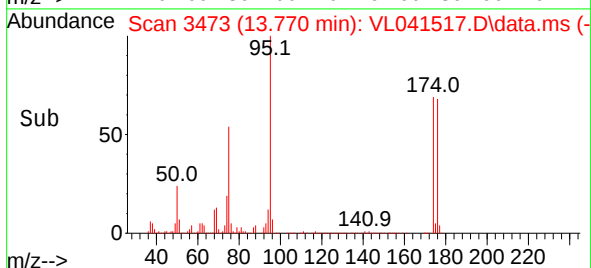
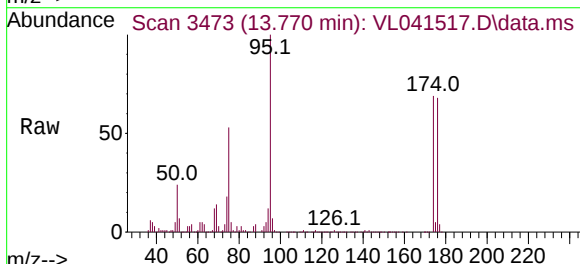


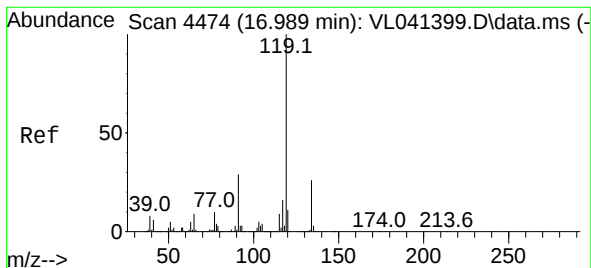
Tgt Ion: 91 Resp: 2047  
Ion Ratio Lower Upper  
91 100  
126 120.9 13.8 20.8#  
128 0.0 4.4 6.6#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.191 ppbv  
RT: 13.770 min Scan# 3473  
Delta R.T. 0.003 min  
Lab File: VL041517.D  
Acq: 8 Aug 2024 17:52

Tgt Ion: 95 Resp: 2304594  
Ion Ratio Lower Upper  
95 100  
174 70.4 56.3 84.5  
175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.867 ppbv

RT: 16.989 min Scan# 4474

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

ClientSampleId :

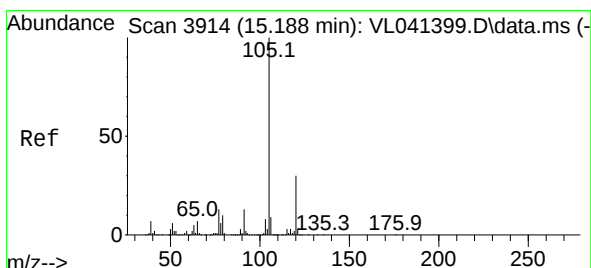
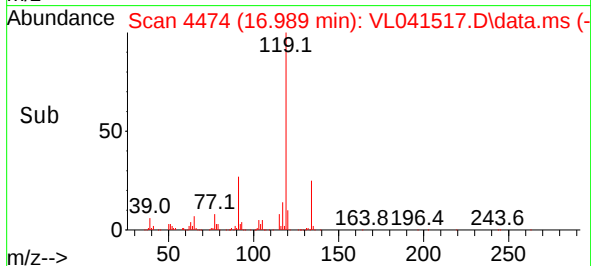
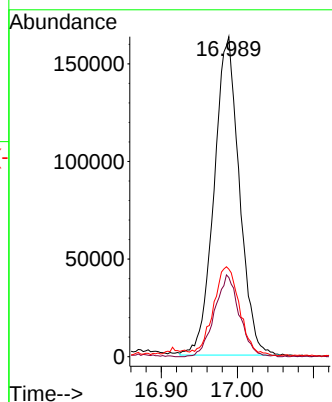
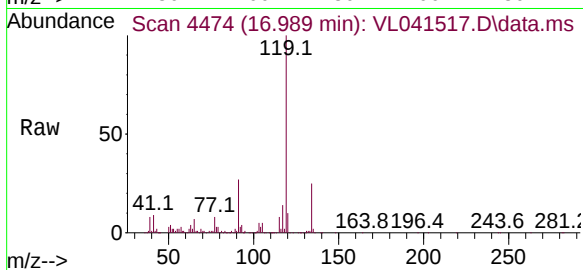
Tgt Ion:119 Resp: 376548

Ion Ratio Lower Upper

119 100

134 25.2 20.5 30.7

91 30.7 23.2 34.8



#72

4-Ethyltoluene

Concen: 0.148 ppbv

RT: 15.191 min Scan# 3915

Delta R.T. 0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion:105 Resp: 48155

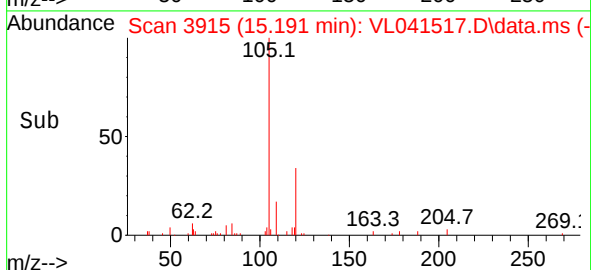
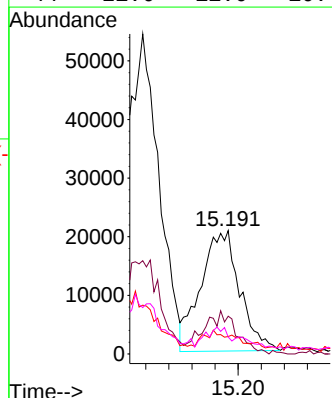
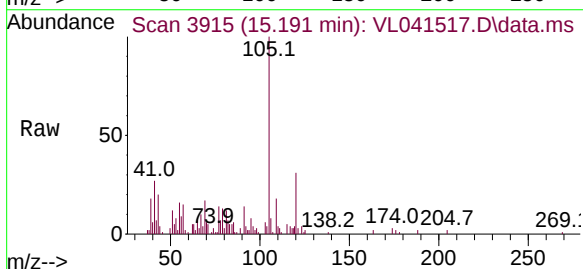
Ion Ratio Lower Upper

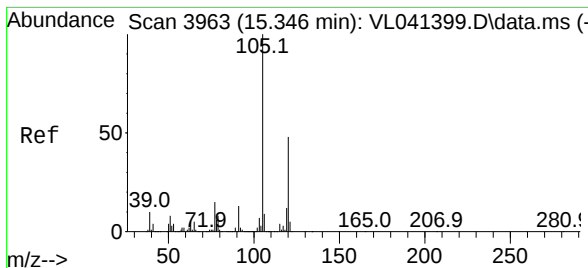
105 100

120 30.5 24.2 36.2

91 17.8 10.4 15.6#

77 21.6 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.052 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

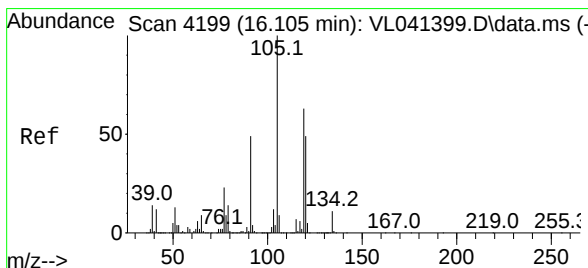
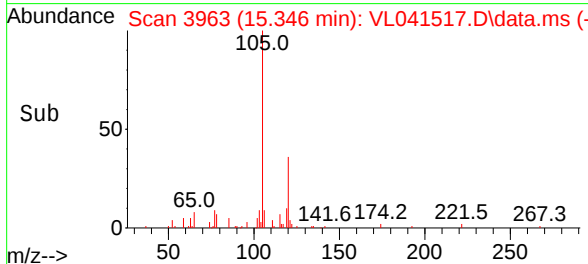
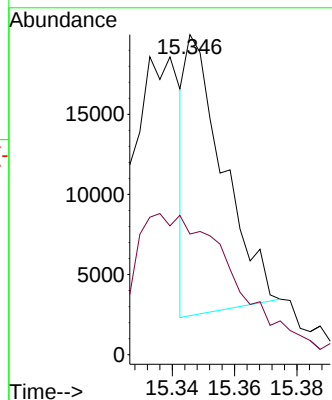
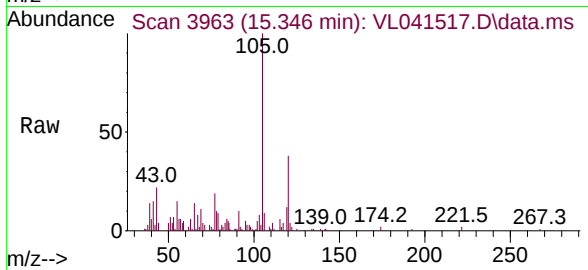
ClientSampleId :

Tgt Ion:105 Resp: 14470

Ion Ratio Lower Upper

105 100

120 32.8 38.6 57.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.581 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. -0.006 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion:105 Resp: 189559

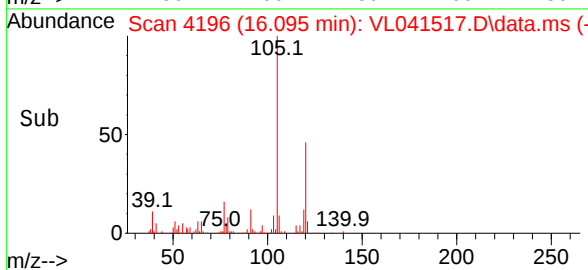
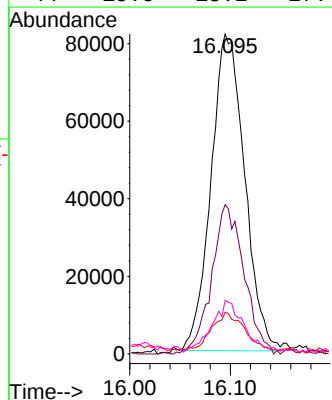
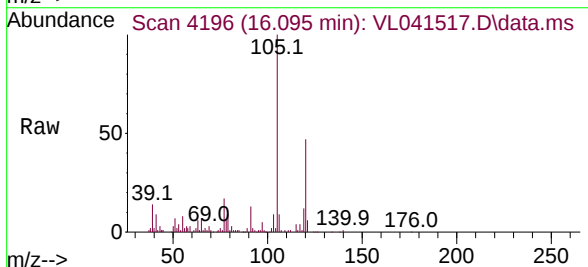
Ion Ratio Lower Upper

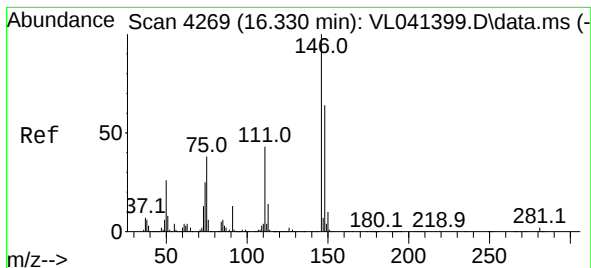
105 100

120 47.2 39.5 59.3

91 12.0 39.8 59.8#

77 15.5 18.2 27.4#





#75

1,3-Dichlorobenzene

Concen: 1.660 ppbv

RT: 16.320 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

ClientSampleId :

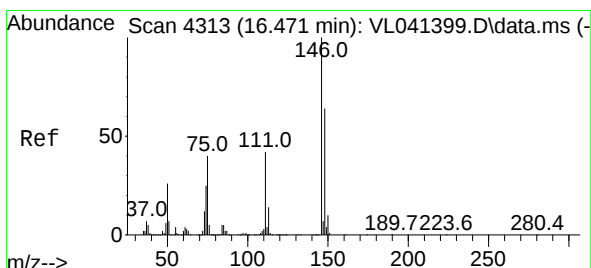
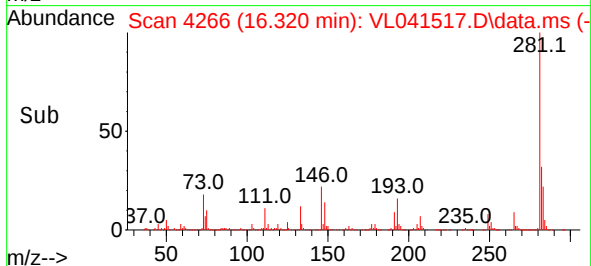
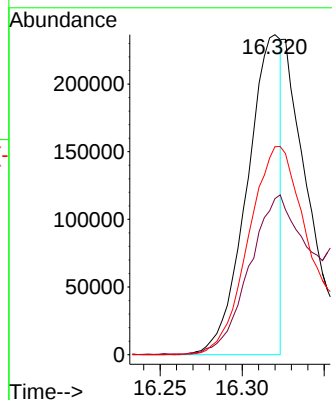
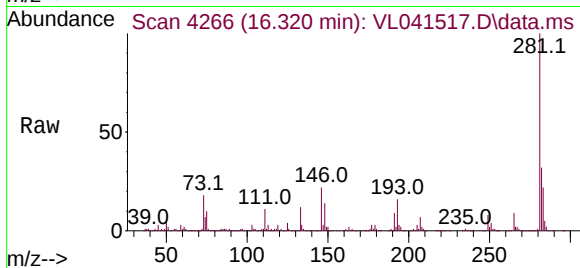
Tgt Ion:146 Resp: 340279

Ion Ratio Lower Upper

146 100

111 0.0 22.6 67.8#

148 0.0 32.3 96.8#



#76

1,4-Dichlorobenzene

Concen: 1.360 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. -0.138 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

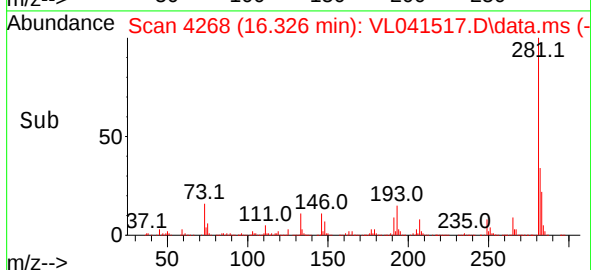
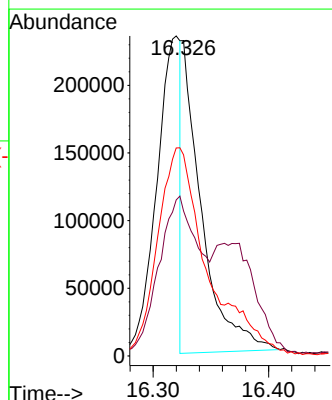
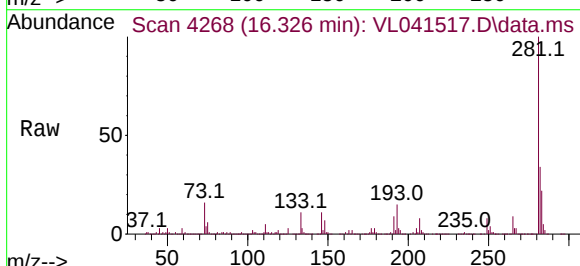
Tgt Ion:146 Resp: 269959

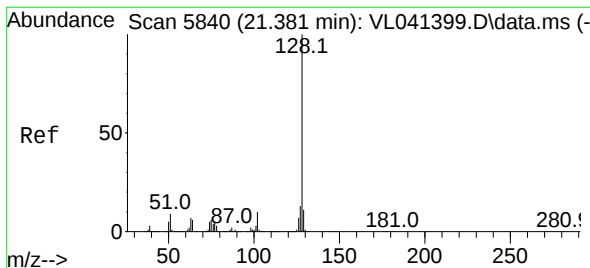
Ion Ratio Lower Upper

146 100

111 104.0 22.4 67.0#

148 172.3 33.1 99.5#





#79

Naphthalene

Concen: 0.036 ppbv

RT: 21.365 min Scan# 51

Delta R.T. -0.006 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Instrument :

MSVOA\_L

ClientSampleId :

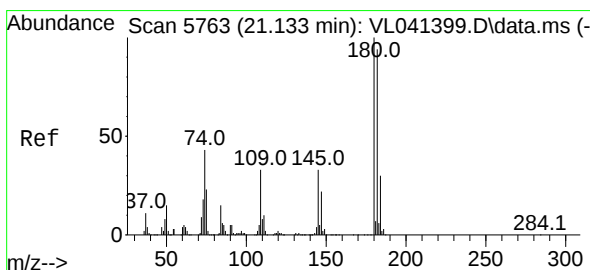
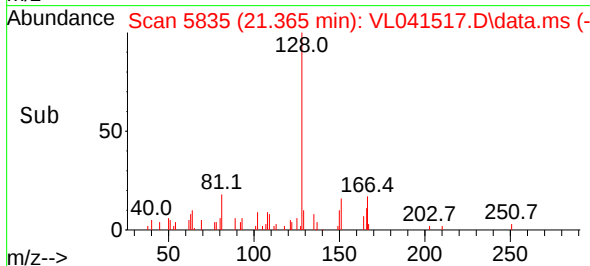
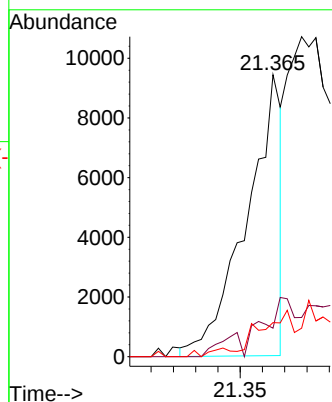
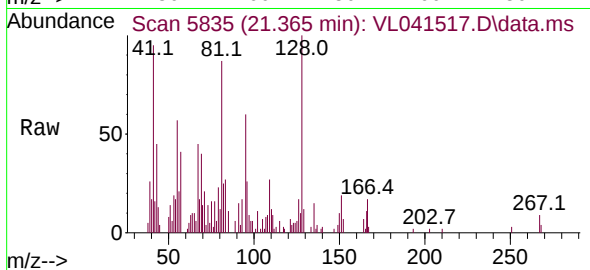
Tgt Ion:128 Resp: 10234

Ion Ratio Lower Upper

128 100

127 10.4 10.3 15.5

129 12.5 9.0 13.4



#81

1,2,4-Trichlorobenzene

Concen: 1.207 ppbv

RT: 20.792 min Scan# 5657

Delta R.T. -0.338 min

Lab File: VL041517.D

Acq: 8 Aug 2024 17:52

Tgt Ion:180 Resp: 206796

Ion Ratio Lower Upper

180 100

182 8.6 76.7 115.1#

184 0.5 24.5 36.7#

