

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121824\  
 Data File : VL041813.D  
 Acq On : 19 Dec 2024 01:55  
 Operator : SY/MD  
 Sample : P5292-02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Dec 19 08:03:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Dec 19 07:32:09 2024  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.793 | 49   | 75339    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.968 | 114  | 184828   | 10.000 | ppbv  | 0.01     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 185714   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 10.383 | 95    | 149193   | 9.640    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.400% |

| Target Compounds              |        |     |        |        |        | Qvalue |
|-------------------------------|--------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499  | 85  | 7356   | 0.549  | ppbv   | 95     |
| 3) Chlorodifluoromethane      | 1.476  | 51  | 6298   | 0.513  | ppbv # | 75     |
| 4) Chloromethane              | 1.531  | 50  | 1019   | 0.194  | ppbv   | 96     |
| 7) Chloroethane               | 1.706  | 64  | 66     | 0.032  | ppbv   | 92     |
| 8) Dichlorotetrafluoroethane  | 1.557  | 85  | 589    | 0.049  | ppbv   | 93     |
| 9) Propene                    | 1.489  | 41  | 4671   | 0.877  | ppbv   | 93     |
| 10) Heptane                   | 4.991  | 43  | 2302   | 0.168  | ppbv # | 52     |
| 11) Trichlorofluoromethane    | 1.881  | 101 | 14344  | 1.007  | ppbv   | 92     |
| 12) 1,1,2-Trichlorotrifluo... | 2.146  | 101 | 830    | 0.077  | ppbv   | 87     |
| 13) Ethanol                   | 1.722  | 45  | 39169  | 88.829 | ppbv   | 91     |
| 15) Acetone                   | 1.839  | 43  | 52705  | 3.595  | ppbv   | 94     |
| 16) 1,3-Butadiene             | 1.602  | 39  | 2398   | 0.415  | ppbv # | 28     |
| 17) tert-Butyl alcohol        | 1.887  | 59  | 7734   | 0.532  | ppbv   | 98     |
| 19) Isopropyl Alcohol         | 1.887  | 45  | 203262 | 23.109 | ppbv # | 36     |
| 20) Methylene Chloride        | 2.065  | 84  | 8722   | 2.087  | ppbv   | 95     |
| 21) Allyl Chloride            | 2.065  | 41  | 419    | 0.053  | ppbv # | 16     |
| 23) Vinyl Acetate             | 2.460  | 43  | 7797   | 1.146  | ppbv # | 78     |
| 25) Ethyl Acetate             | 2.842  | 43  | 31983  | 1.173  | ppbv   | 99     |
| 26) Hexane                    | 2.832  | 57  | 12521  | 1.210  | ppbv # | 91     |
| 27) Carbon Disulfide          | 2.153  | 76  | 647    | 0.069  | ppbv # | 53     |
| 29) Chloroform                | 2.855  | 83  | 7646   | 0.485  | ppbv   | 99     |
| 30) Cyclohexane               | 3.868  | 84  | 3311   | 0.376  | ppbv # | 79     |
| 31) cis-1,2-Dichloroethene    | 2.842  | 61  | 2702   | 0.253  | ppbv # | 26     |
| 32) 1,1,1-Trichloroethane     | 3.376  | 97  | 37621  | 2.347  | ppbv   | 97     |
| 34) 2-Butanone                | 2.567  | 43  | 10439  | 0.702  | ppbv   | 94     |
| 35) Carbon Tetrachloride      | 3.379  | 117 | 4064   | 0.310  | ppbv   | 94     |
| 36) Benzene                   | 3.664  | 78  | 2078   | 0.109  | ppbv # | 73     |
| 39) 1,2-Dichloropropane       | 3.968  | 63  | 51513  | 7.450  | ppbv # | 19     |
| 41) Tetrahydrofuran           | 3.072  | 42  | 5854   | 0.703  | ppbv   | 93     |
| 50) 4-Methyl-2-Pentanone      | 5.771  | 43  | 832    | 0.041  | ppbv # | 41     |
| 51) 2-Hexanone                | 7.435  | 43  | 16278  | 0.992  | ppbv # | 37     |
| 52) Tetrachloroethene         | 8.234  | 164 | 327    | 0.046  | ppbv # | 73     |
| 53) Toluene                   | 6.949  | 91  | 102249 | 4.717  | ppbv   | 99     |
| 56) 1,1,1,2-Tetrachloroethane | 8.946  | 131 | 797    | 0.081  | ppbv # | 1      |
| 57) Chlorobenzene             | 8.930  | 112 | 3385   | 0.178  | ppbv # | 82     |
| 58) Ethyl Benzene             | 9.364  | 91  | 15539  | 0.465  | ppbv   | 100    |
| 59) m/p-Xylene                | 9.539  | 91  | 51273  | 1.907  | ppbv # | 100    |
| 60) o-Xylene                  | 9.969  | 91  | 19501  | 0.723  | ppbv   | 100    |
| 61) Styrene                   | 9.878  | 104 | 5166   | 0.443  | ppbv   | 94     |
| 66) Benzyl Chloride           | 11.633 | 91  | 118    | 0.037  | ppbv # | 66     |
| 67) sec-Butylbenzene          | 11.782 | 105 | 2118   | 0.042  | ppbv # | 1      |

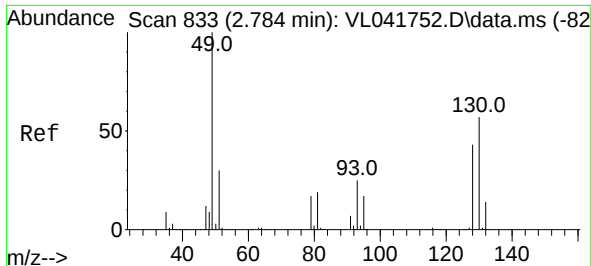
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121824\  
Data File : VL041813.D  
Acq On : 19 Dec 2024 01:55  
Operator : SY/MD  
Sample : P5292-02  
Misc : 400mL/MSVOA\_L  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

Quant Time: Dec 19 08:03:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Thu Dec 19 07:32:09 2024  
Response via : Initial Calibration

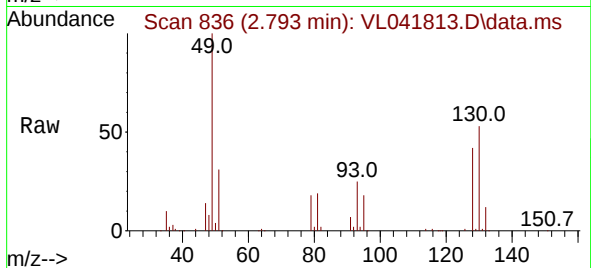
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |



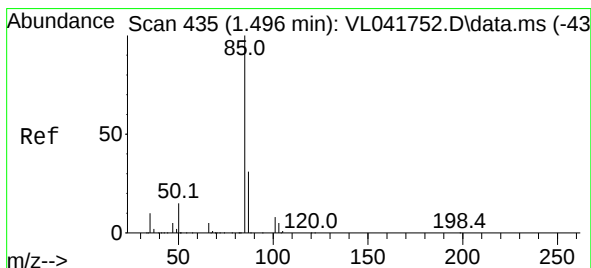
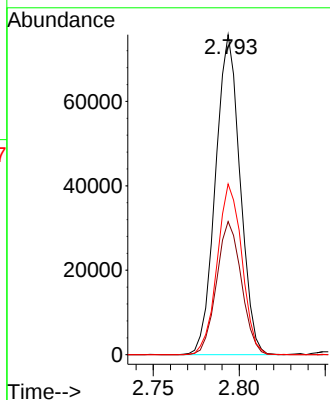
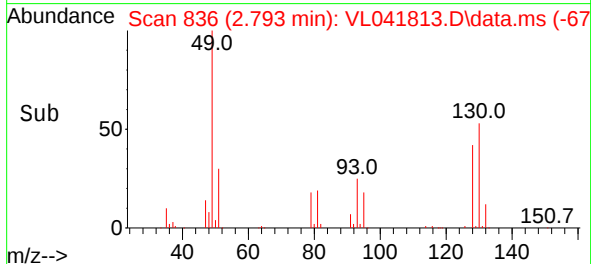


#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.793 min Scan# 833  
Delta R.T. 0.009 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

Instrument :  
MSVOA\_L  
ClientSampleId :

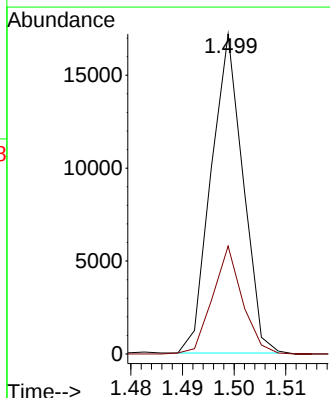
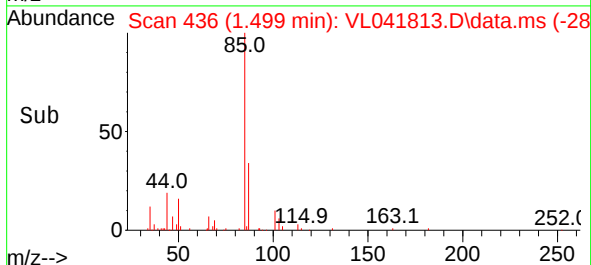
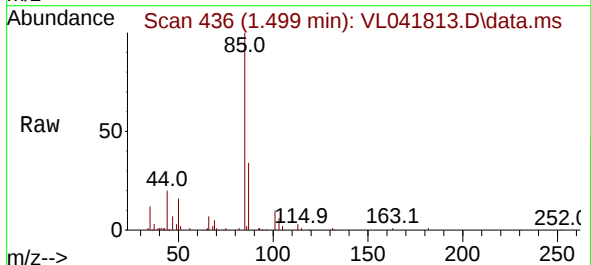


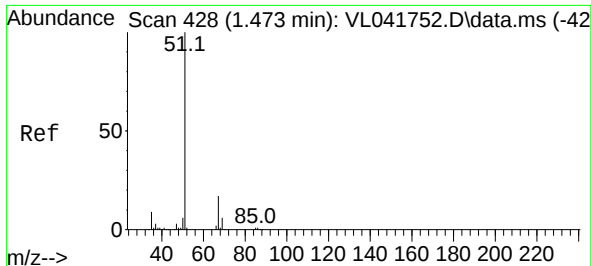
Tgt Ion: 49 Resp: 75339  
Ion Ratio Lower Upper  
49 100  
128 42.0 21.6 64.6  
130 53.6 28.3 85.0



#2  
Dichlorodifluoromethane  
Concen: 0.549 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

Tgt Ion: 85 Resp: 7356  
Ion Ratio Lower Upper  
85 100  
87 33.5 24.5 36.7

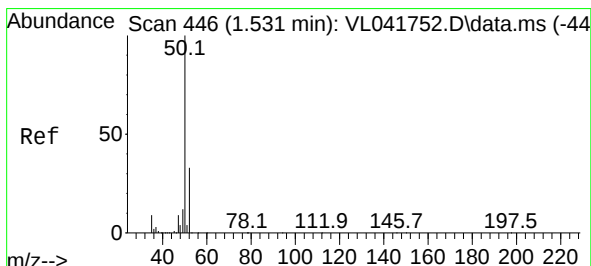
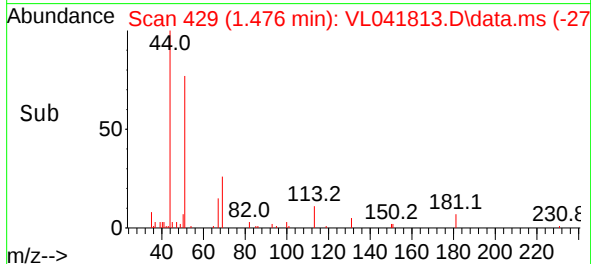
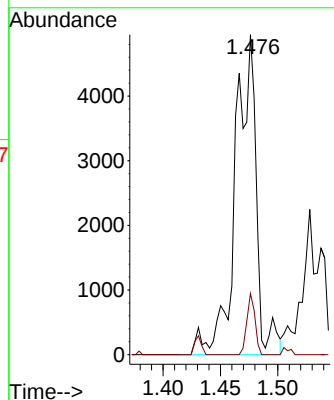
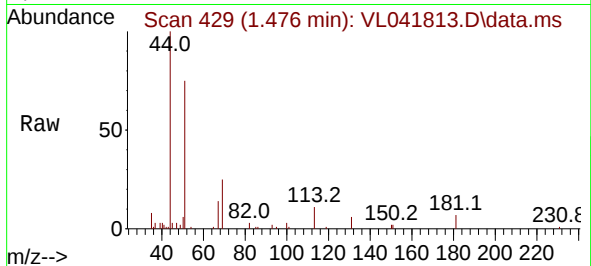




#3  
Chlorodifluoromethane  
Concen: 0.513 ppbv  
RT: 1.476 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

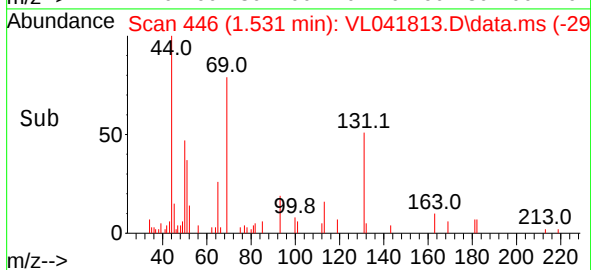
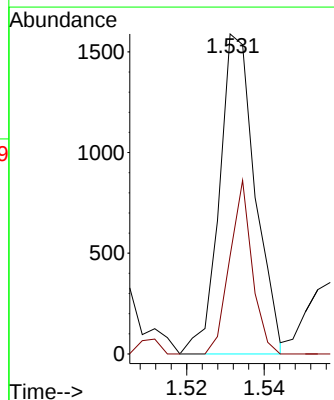
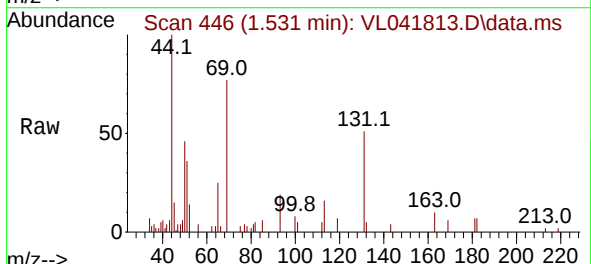
Instrument :  
MSVOA\_L  
ClientSampleId :

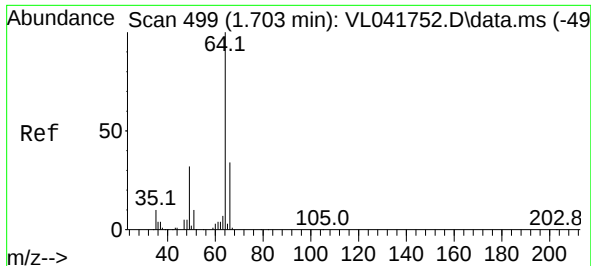
Tgt Ion: 51 Resp: 6298  
Ion Ratio Lower Upper  
51 100  
67 7.4 15.0 22.4#



#4  
Chloromethane  
Concen: 0.194 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.000 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

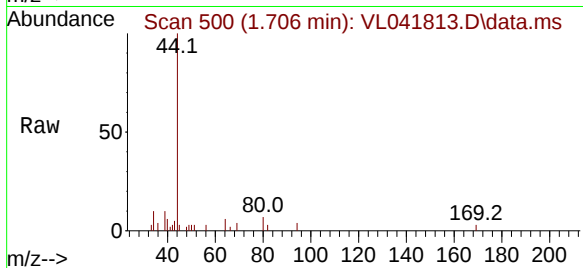
Tgt Ion: 50 Resp: 1019  
Ion Ratio Lower Upper  
50 100  
52 30.7 26.2 39.2



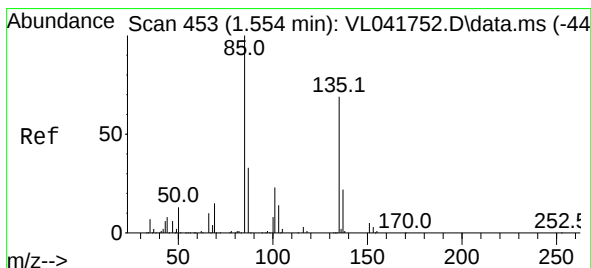
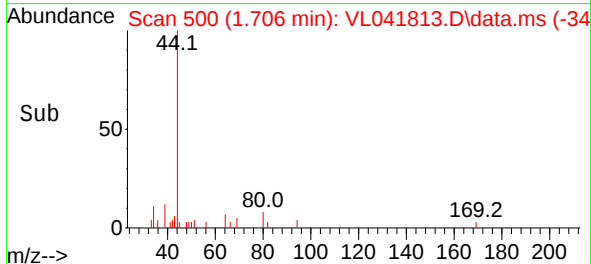
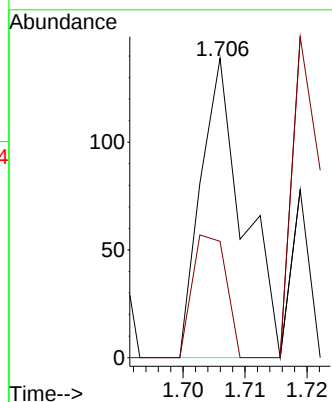


#7  
Chloroethane  
Concen: 0.032 ppbv  
RT: 1.706 min Scan# 500  
Delta R.T. 0.003 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

Instrument :  
MSVOA\_L  
ClientSampleId :

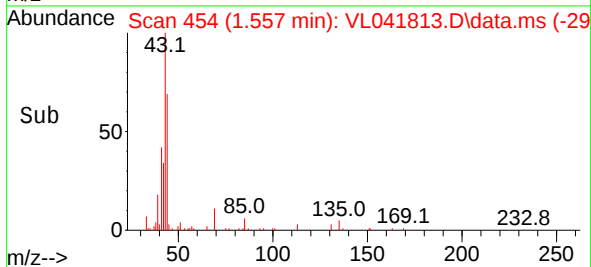
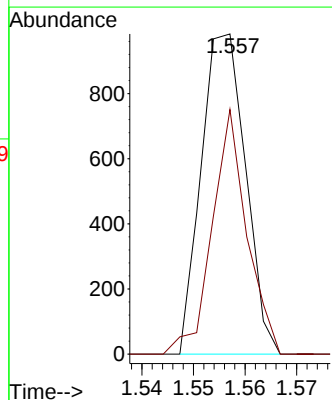
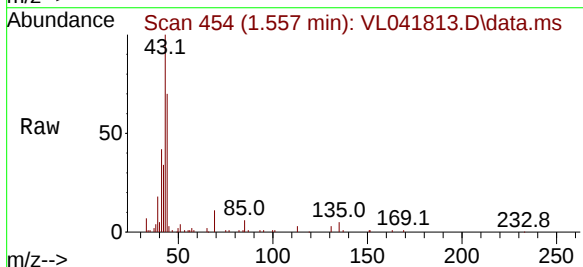


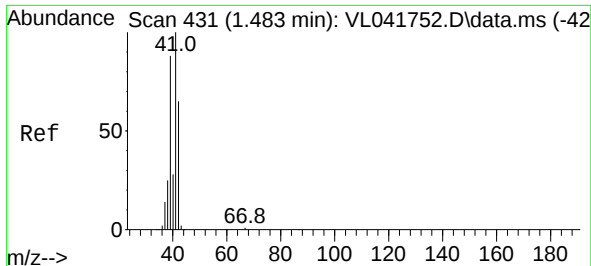
Tgt Ion: 64 Resp: 66  
Ion Ratio Lower Upper  
64 100  
66 38.8 27.5 41.3



#8  
Dichlorotetrafluoroethane  
Concen: 0.049 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. 0.003 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

Tgt Ion: 85 Resp: 589  
Ion Ratio Lower Upper  
85 100  
135 59.6 51.9 77.9





#9

Propene

Concen: 0.877 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

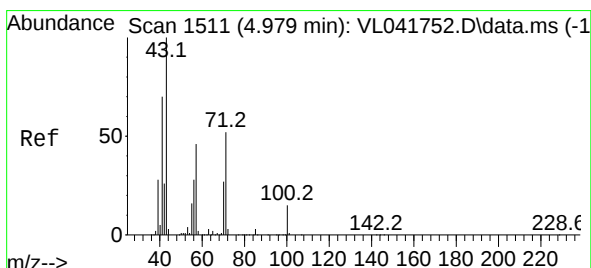
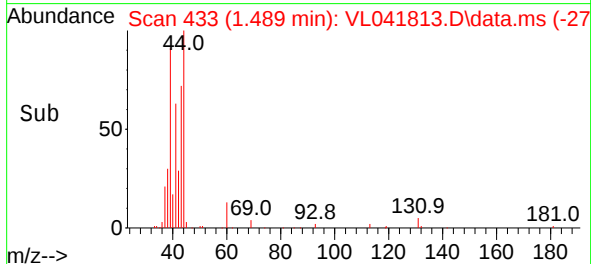
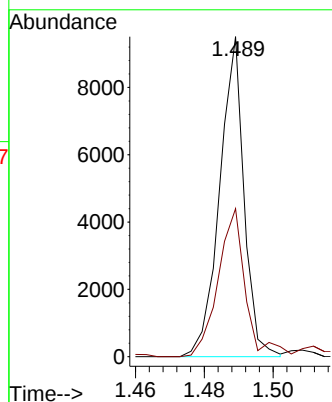
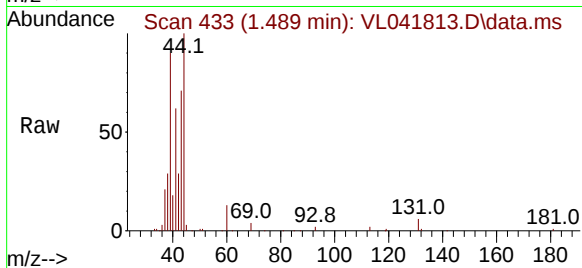
ClientSampleId :

Tgt Ion: 41 Resp: 4671

Ion Ratio Lower Upper

41 100

42 59.7 52.4 78.6



#10

Heptane

Concen: 0.168 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.013 min

Lab File: VL041813.D

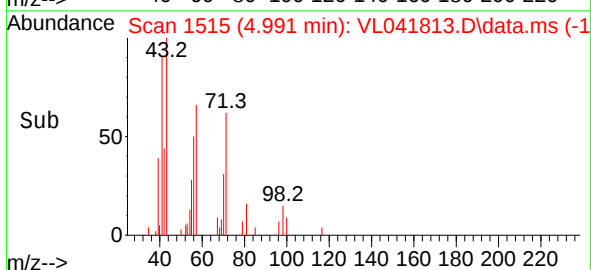
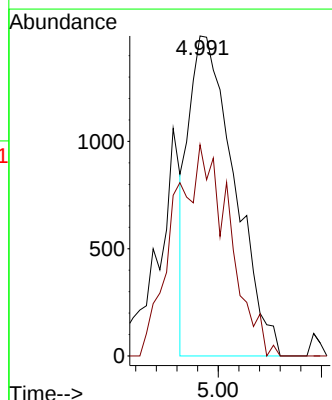
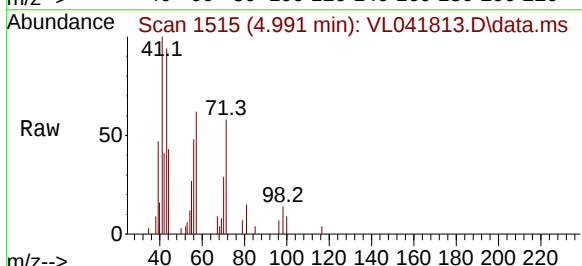
Acq: 19 Dec 2024 01:55

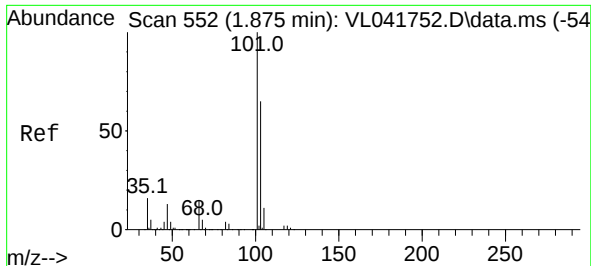
Tgt Ion: 43 Resp: 2302

Ion Ratio Lower Upper

43 100

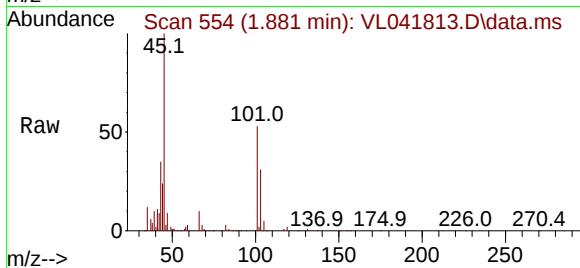
57 80.5 38.5 57.7#



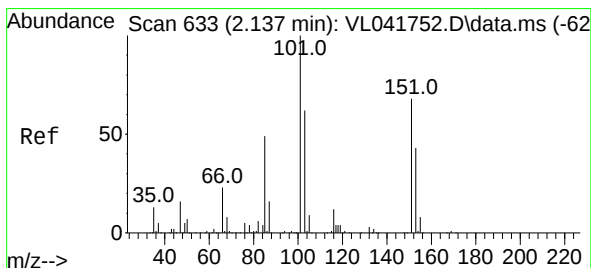
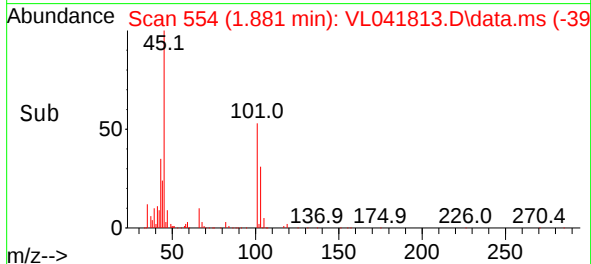
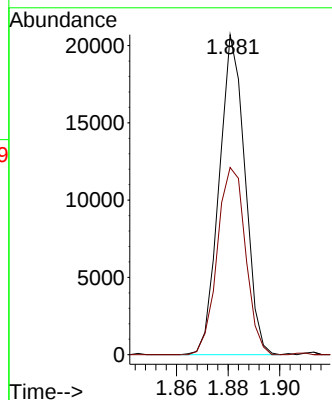


#11  
Trichlorofluoromethane  
Concen: 1.007 ppbv  
RT: 1.881 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

Instrument :  
MSVOA\_L  
ClientSampleId :

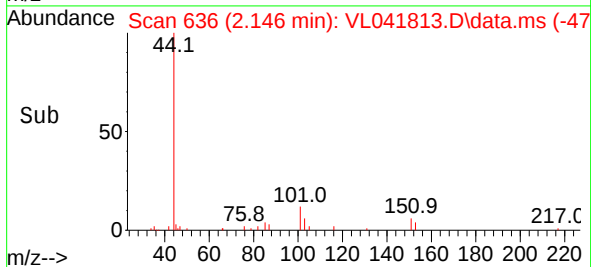
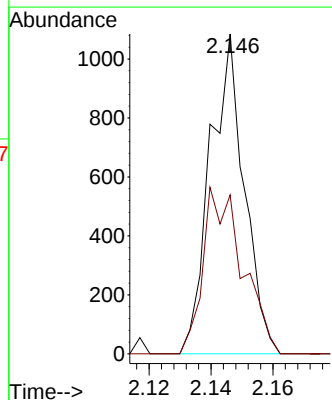
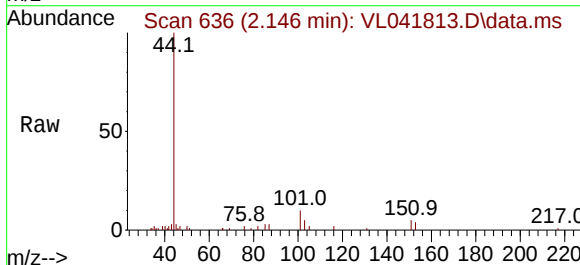


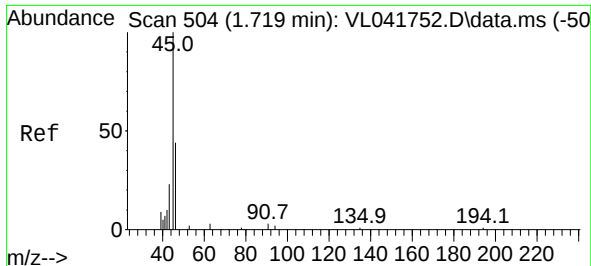
Tgt Ion:101 Resp: 14344  
Ion Ratio Lower Upper  
101 100  
103 58.5 51.8 77.8



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.077 ppbv  
RT: 2.146 min Scan# 636  
Delta R.T. 0.009 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

Tgt Ion:101 Resp: 830  
Ion Ratio Lower Upper  
101 100  
151 60.0 56.8 85.2

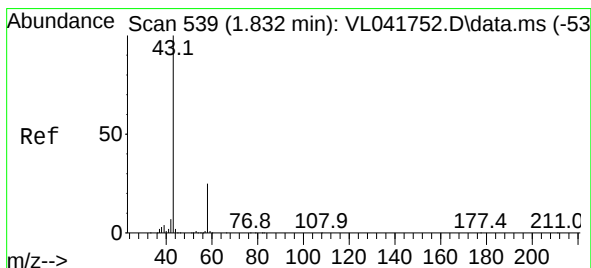
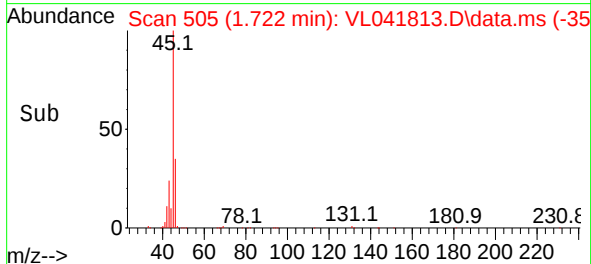
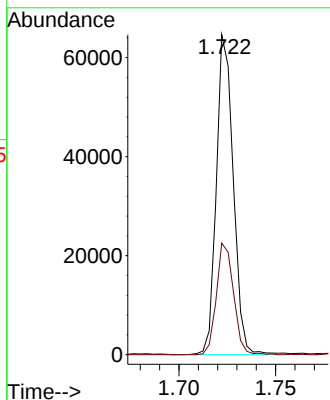
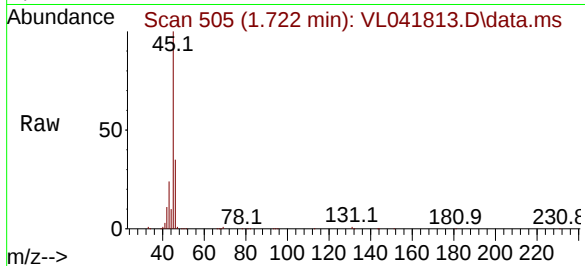




#13  
Ethanol  
Concen: 88.829 ppbv  
RT: 1.722 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

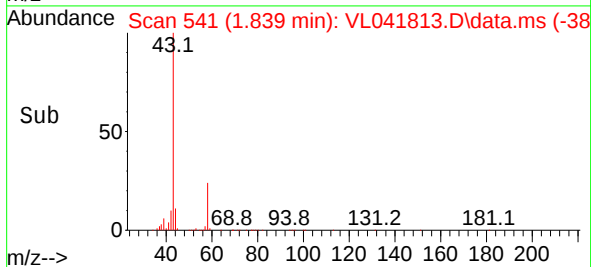
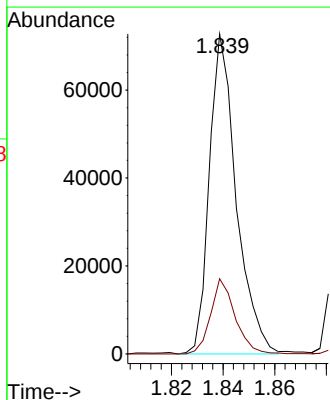
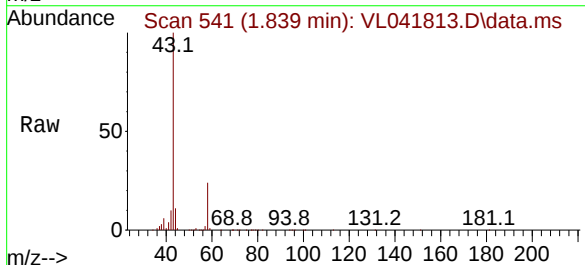
Instrument :  
MSVOA\_L  
ClientSampleId :

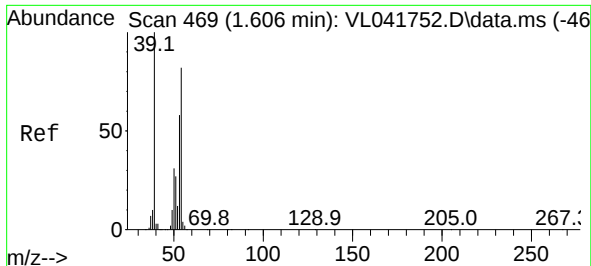
Tgt Ion: 45 Resp: 39169  
Ion Ratio Lower Upper  
45 100  
46 35.4 16.4 65.8



#15  
Acetone  
Concen: 3.595 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. 0.006 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

Tgt Ion: 43 Resp: 52705  
Ion Ratio Lower Upper  
43 100  
58 21.4 19.7 29.5





#16

1,3-Butadiene

Concen: 0.415 ppbv

RT: 1.602 min Scan# 4

Delta R.T. -0.004 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

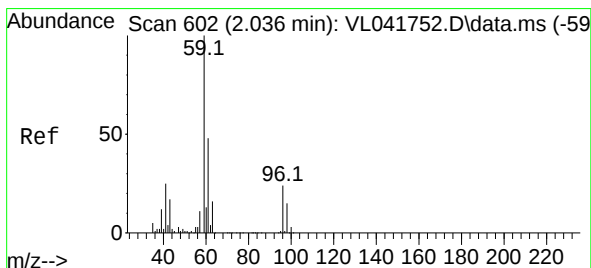
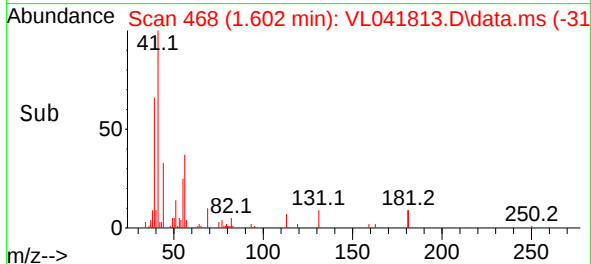
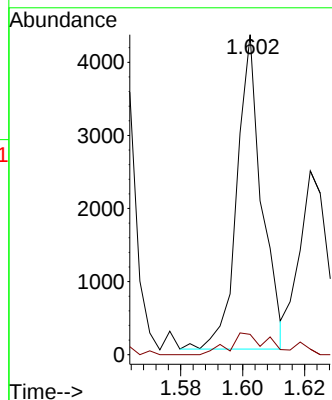
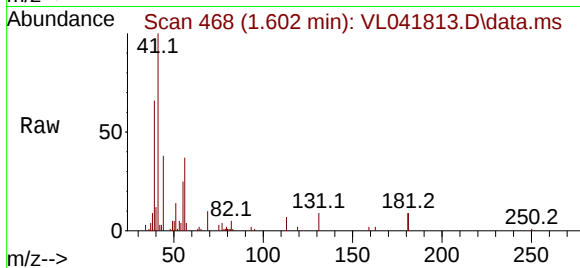
ClientSampleId :

Tgt Ion: 39 Resp: 2398

Ion Ratio Lower Upper

39 100

54 12.7 58.4 87.6#



#17

tert-Butyl alcohol

Concen: 0.532 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.149 min

Lab File: VL041813.D

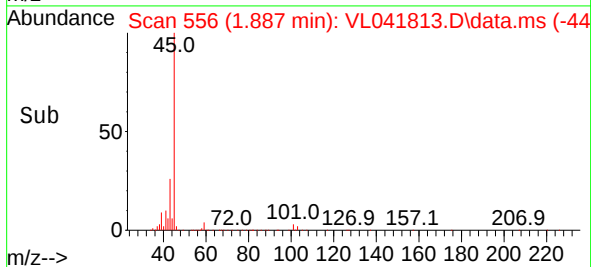
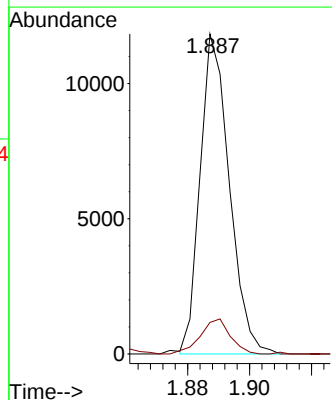
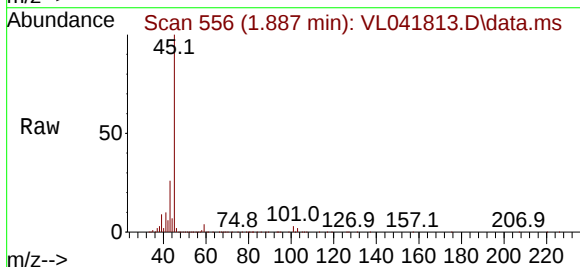
Acq: 19 Dec 2024 01:55

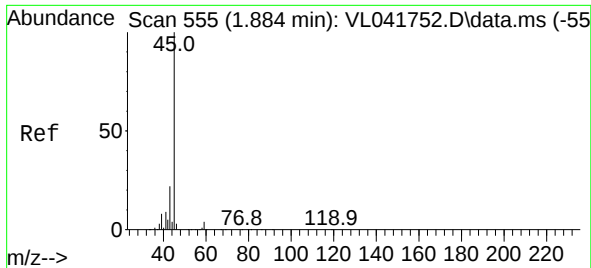
Tgt Ion: 59 Resp: 7734

Ion Ratio Lower Upper

59 100

57 11.5 8.6 13.0





#19

Isopropyl Alcohol

Concen: 23.109 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

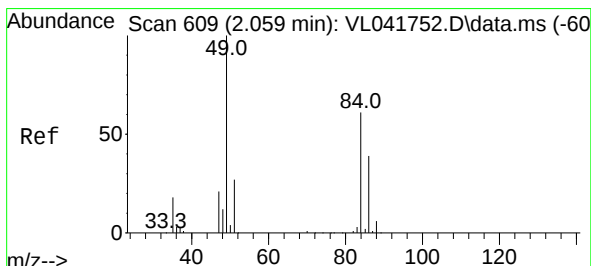
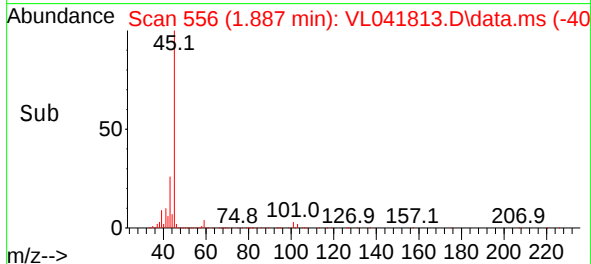
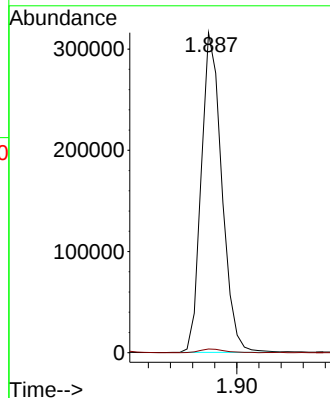
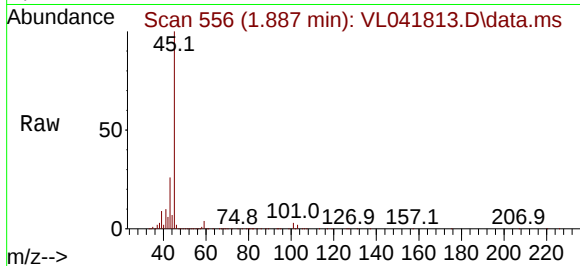
ClientSampleId :

Tgt Ion: 45 Resp: 203262

Ion Ratio Lower Upper

45 100

58 1.5 33.3 49.9#



#20

Methylene Chloride

Concen: 2.087 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Tgt Ion: 84 Resp: 8722

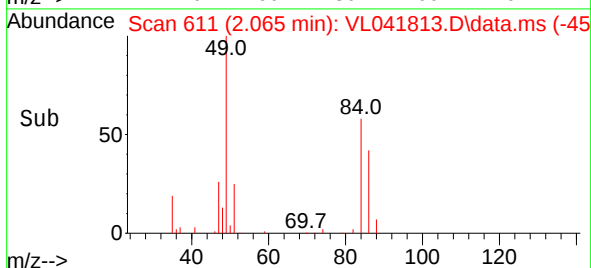
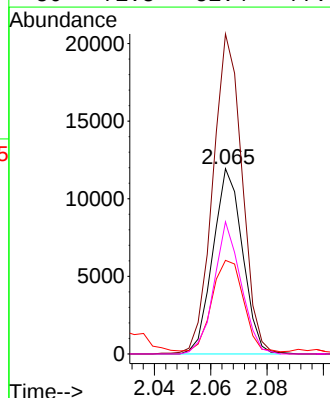
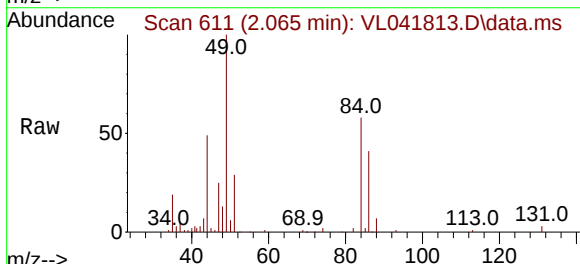
Ion Ratio Lower Upper

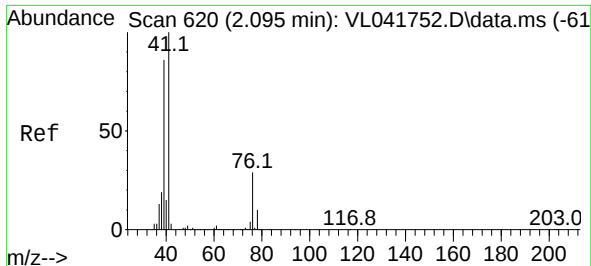
84 100

49 172.0 132.6 198.8

51 49.3 37.6 56.4

86 71.3 51.4 77.0

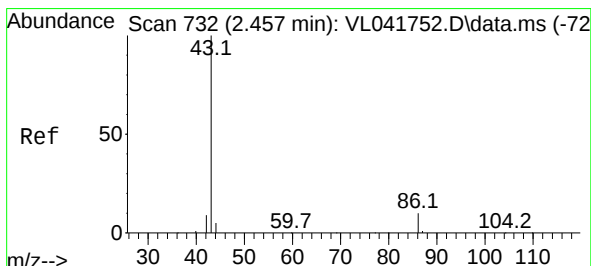
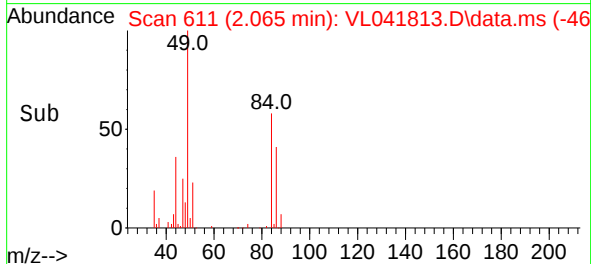
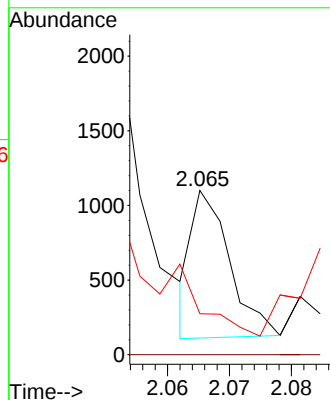
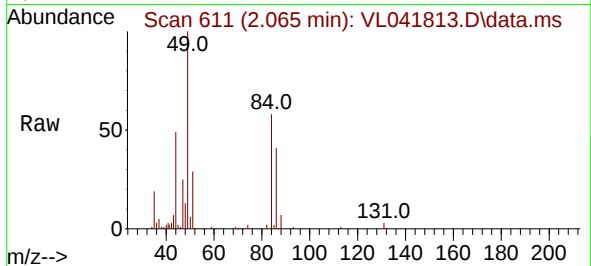




#21  
 Allyl Chloride  
 Concen: 0.053 ppbv  
 RT: 2.065 min Scan# 611  
 Delta R.T. -0.029 min  
 Lab File: VL041813.D  
 Acq: 19 Dec 2024 01:55

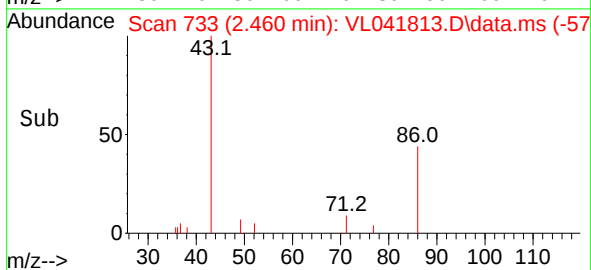
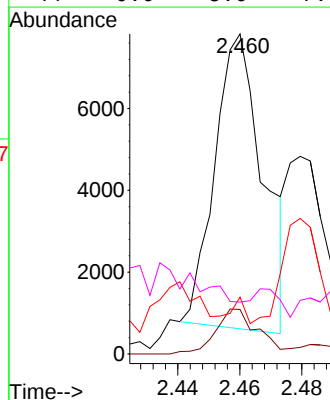
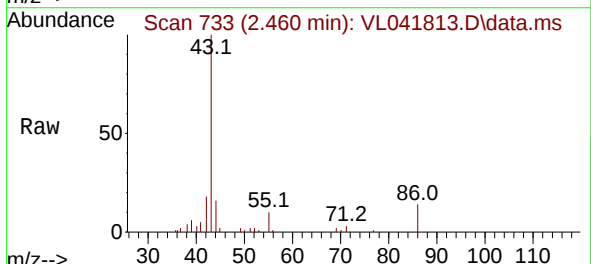
Instrument :  
 MSVOA\_L  
 ClientSampleId :

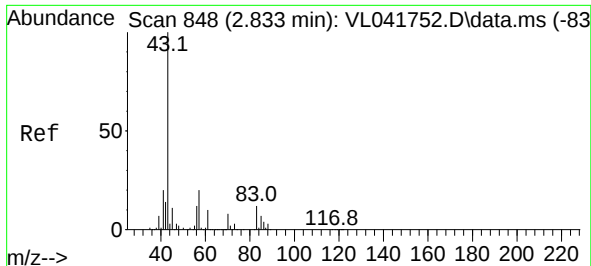
Tgt Ion: 41 Resp: 419  
 Ion Ratio Lower Upper  
 41 100  
 76 0.0 22.3 33.5#  
 39 0.0 69.2 103.8#



#23  
 Vinyl Acetate  
 Concen: 1.146 ppbv  
 RT: 2.460 min Scan# 733  
 Delta R.T. 0.003 min  
 Lab File: VL041813.D  
 Acq: 19 Dec 2024 01:55

Tgt Ion: 43 Resp: 7797  
 Ion Ratio Lower Upper  
 43 100  
 86 14.6 6.6 10.0#  
 42 0.0 8.2 12.2#  
 44 0.0 5.0 7.4#





#25

Ethyl Acetate

Concen: 1.173 ppbv

RT: 2.842 min Scan# 848

Delta R.T. 0.009 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 43 Resp: 31983

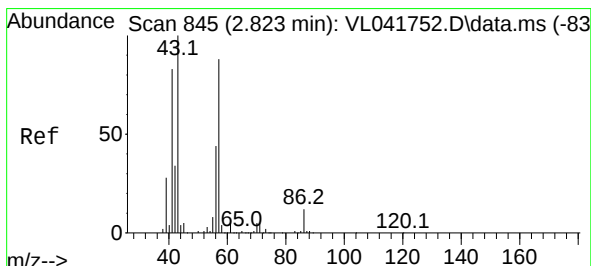
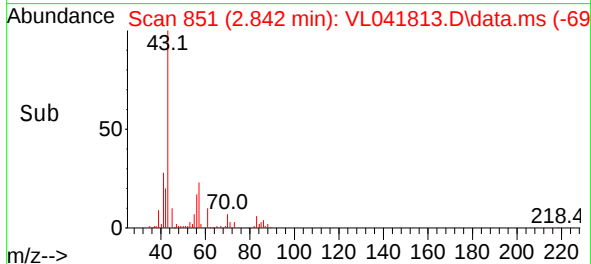
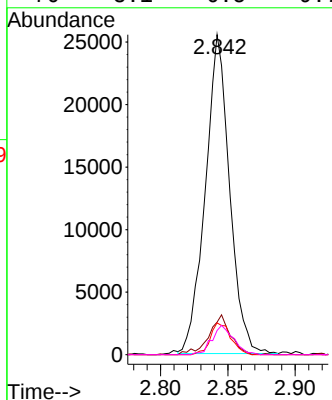
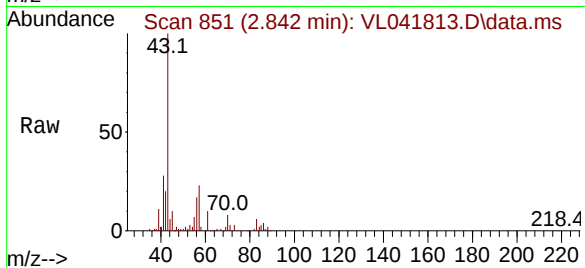
Ion Ratio Lower Upper

43 100

45 11.2 8.1 12.1

61 8.4 7.0 10.6

70 8.1 6.5 9.7



#26

Hexane

Concen: 1.210 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.009 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Tgt Ion: 57 Resp: 12521

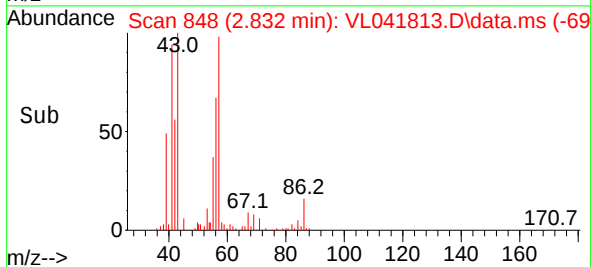
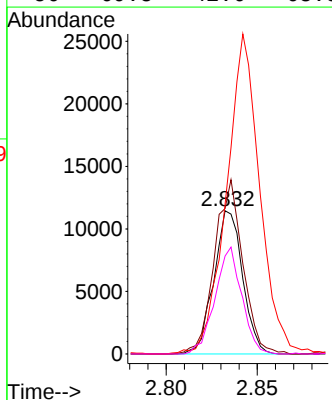
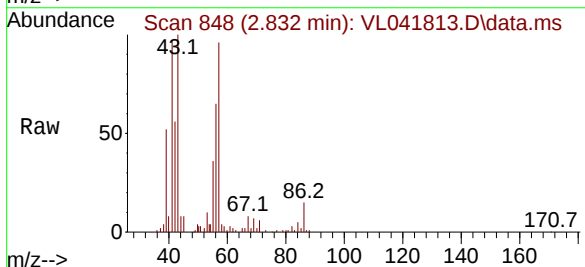
Ion Ratio Lower Upper

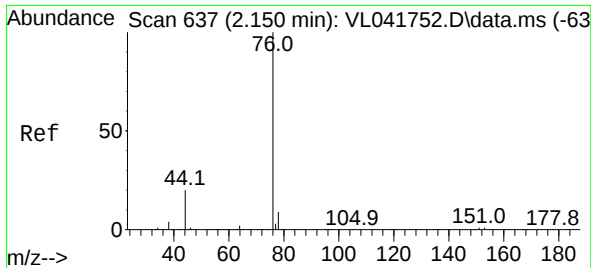
57 100

41 120.5 79.6 119.4#

43 262.0 211.0 316.6

56 69.8 42.6 63.8#





#27

Carbon Disulfide

Concen: 0.069 ppbv

RT: 2.153 min Scan# 647

Delta R.T. 0.003 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

ClientSampleId :

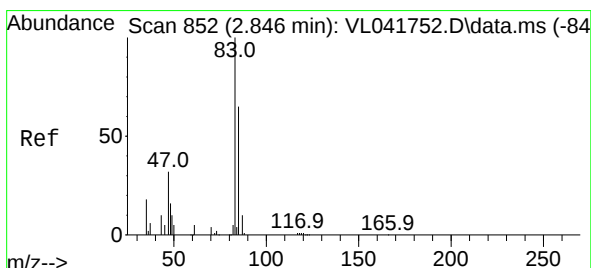
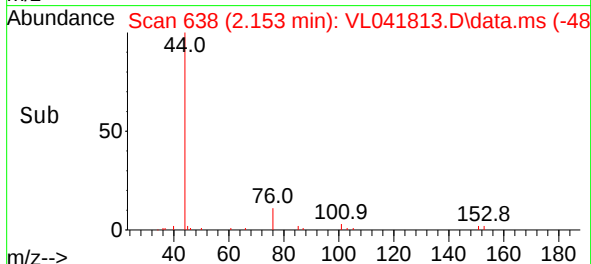
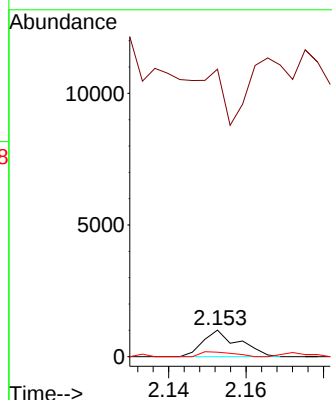
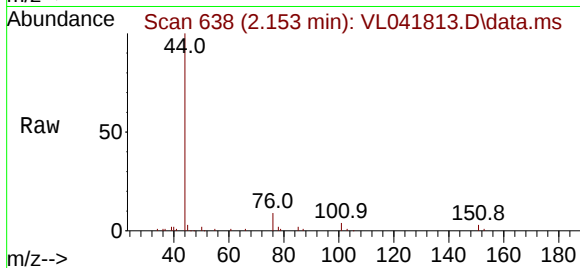
Tgt Ion: 76 Resp: 647

Ion Ratio Lower Upper

76 100

44 0.0 17.6 26.4#

78 31.5 10.2 15.4#



#29

Chloroform

Concen: 0.485 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.009 min

Lab File: VL041813.D

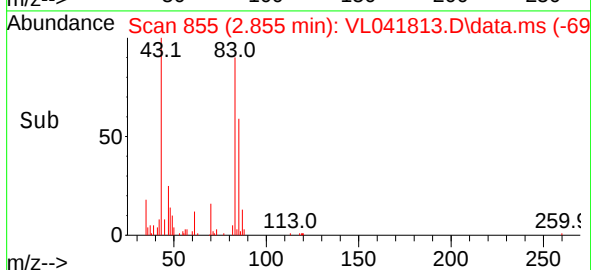
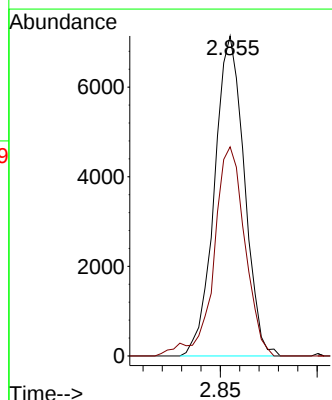
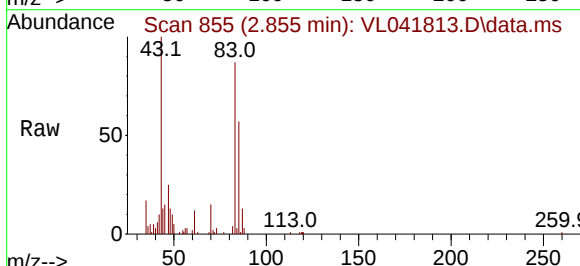
Acq: 19 Dec 2024 01:55

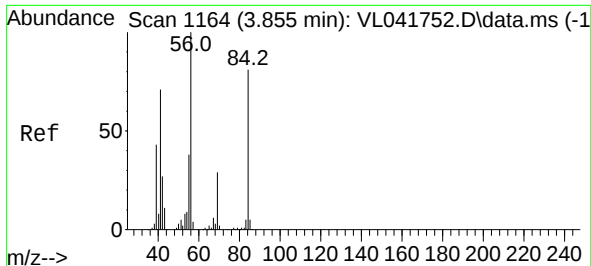
Tgt Ion: 83 Resp: 7646

Ion Ratio Lower Upper

83 100

85 65.4 51.8 77.6





#30

Cyclohexane

Concen: 0.376 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.013 min

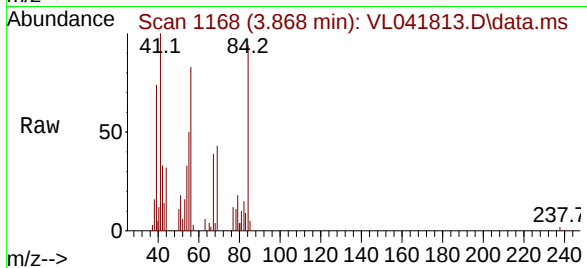
Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

ClientSampleId :



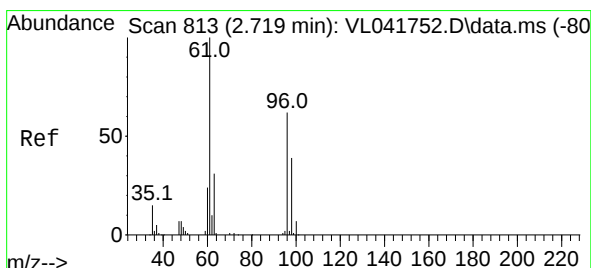
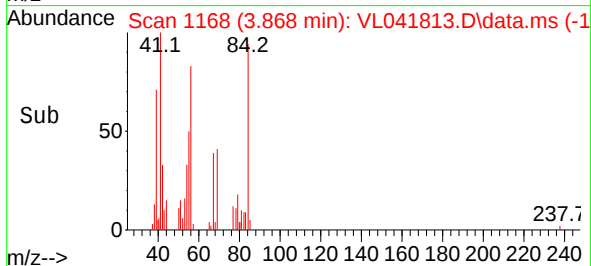
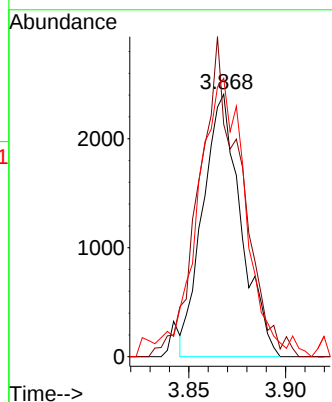
Tgt Ion: 84 Resp: 3311

Ion Ratio Lower Upper

84 100

56 133.5 102.3 153.5

41 134.9 74.0 111.0#



#31

cis-1,2-Dichloroethene

Concen: 0.253 ppbv

RT: 2.842 min Scan# 851

Delta R.T. 0.123 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

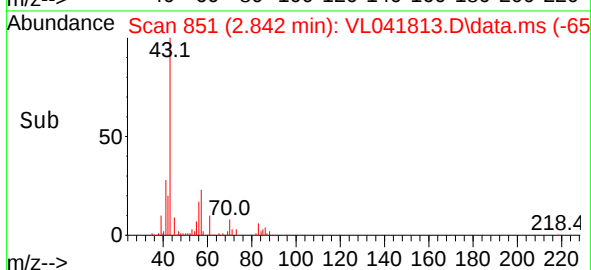
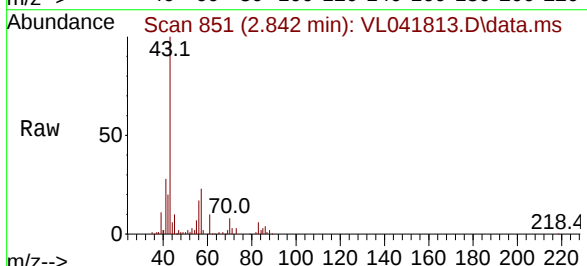
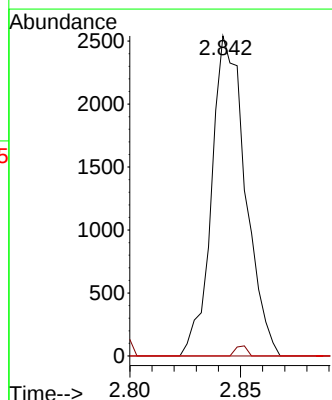
Tgt Ion: 61 Resp: 2702

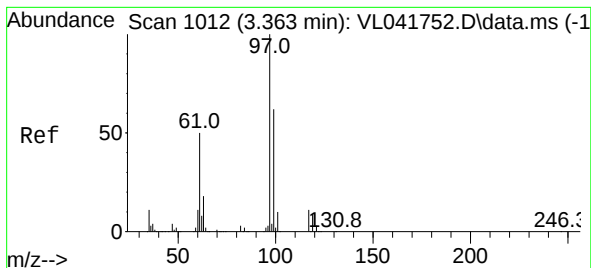
Ion Ratio Lower Upper

61 100

96 0.0 49.7 74.5#

98 0.0 30.8 46.2#





#32

1,1,1-Trichloroethane

Concen: 2.347 ppbv

RT: 3.376 min Scan# 110

Delta R.T. 0.013 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

ClientSampleId :

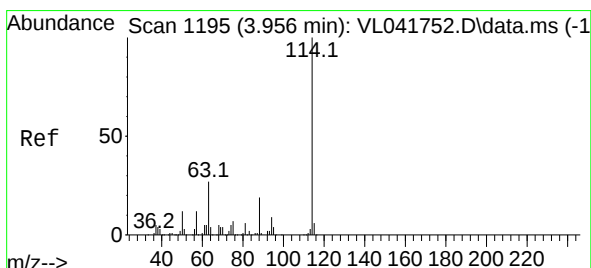
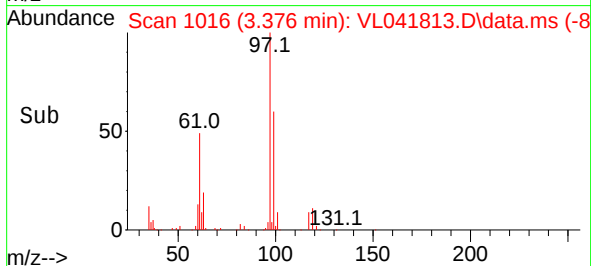
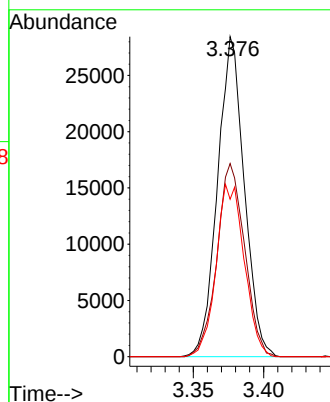
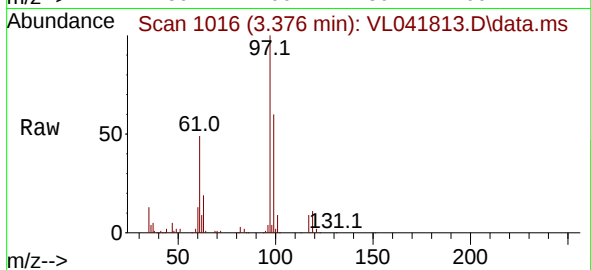
Tgt Ion: 97 Resp: 37621

Ion Ratio Lower Upper

97 100

99 62.3 51.0 76.4

61 56.6 42.2 63.2



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

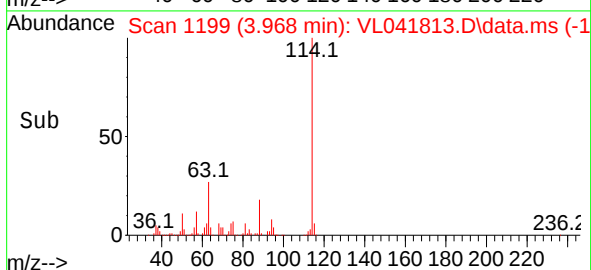
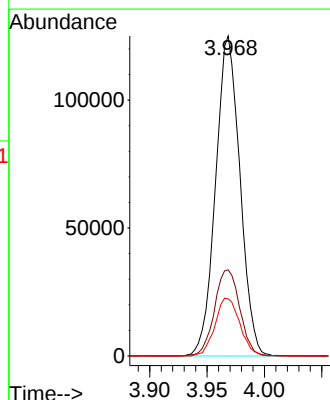
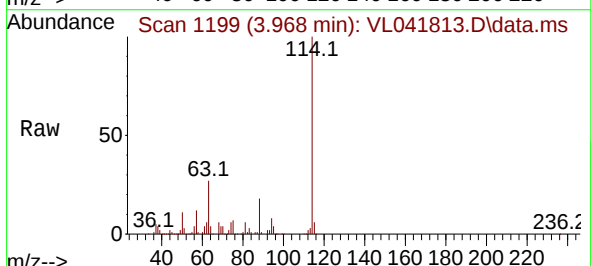
Tgt Ion: 114 Resp: 184828

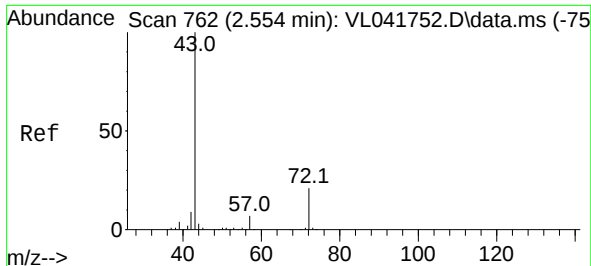
Ion Ratio Lower Upper

114 100

63 27.9 21.8 32.8

88 18.4 14.8 22.2





#34

2-Butanone

Concen: 0.702 ppbv

RT: 2.567 min Scan# 7

Delta R.T. 0.013 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

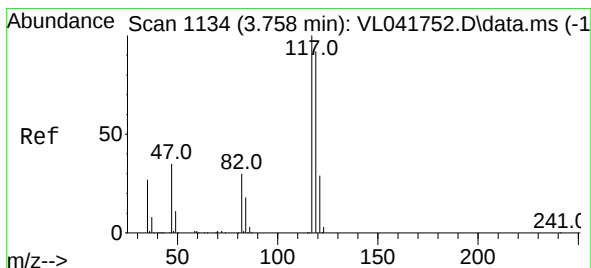
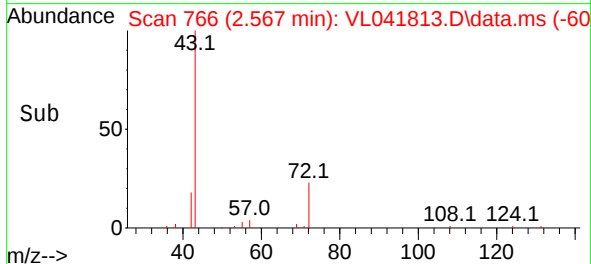
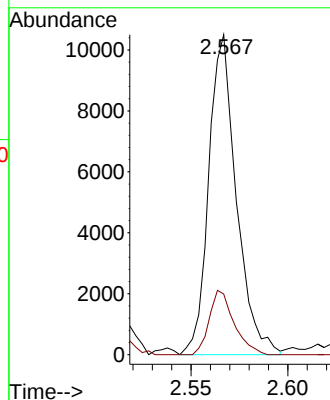
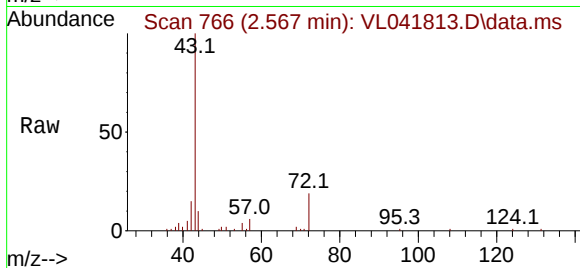
ClientSampleId :

Tgt Ion: 43 Resp: 10439

Ion Ratio Lower Upper

43 100

72 18.0 16.8 25.2



#35

Carbon Tetrachloride

Concen: 0.310 ppbv

RT: 3.379 min Scan# 1017

Delta R.T. -0.379 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

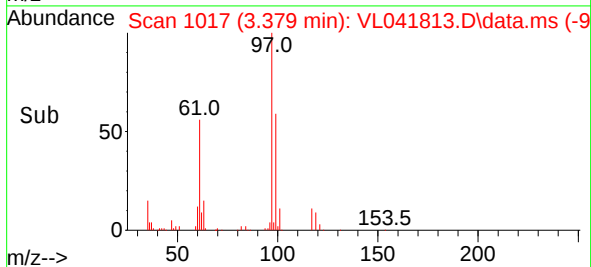
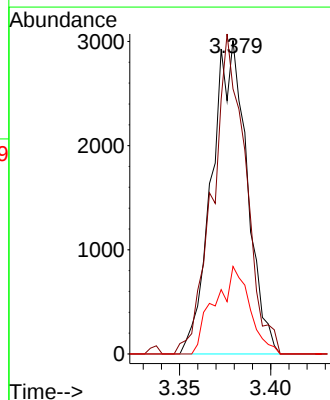
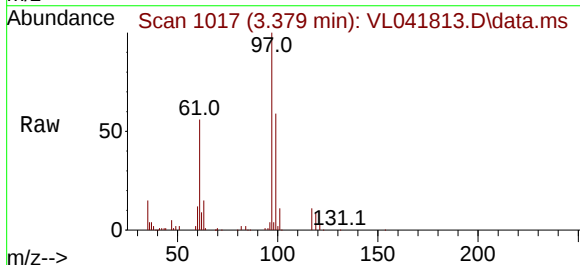
Tgt Ion: 117 Resp: 4064

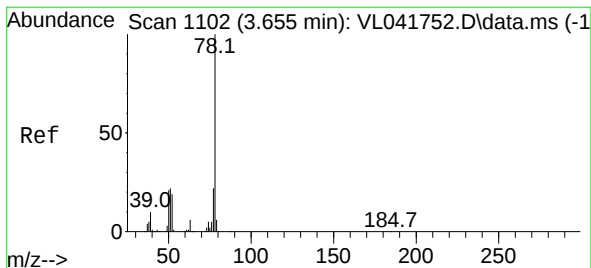
Ion Ratio Lower Upper

117 100

119 84.5 73.7 110.5

121 27.9 23.0 34.4





#36

Benzene

Concen: 0.109 ppbv

RT: 3.664 min Scan# 1102

Delta R.T. 0.009 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

ClientSampleId :

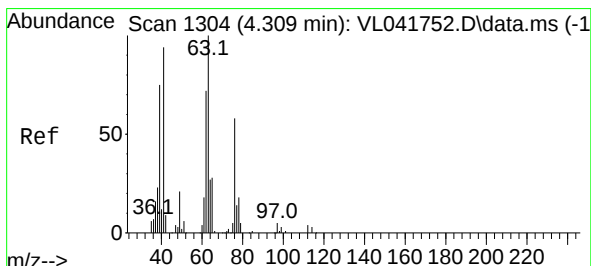
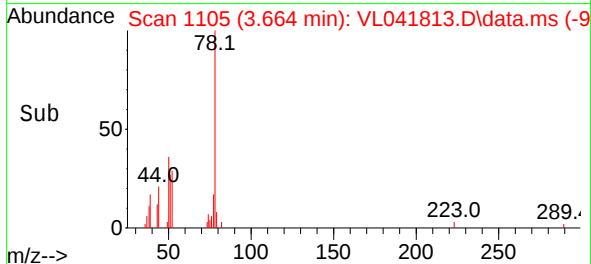
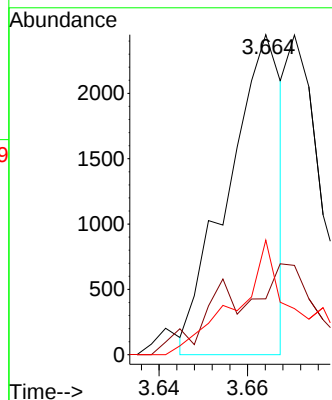
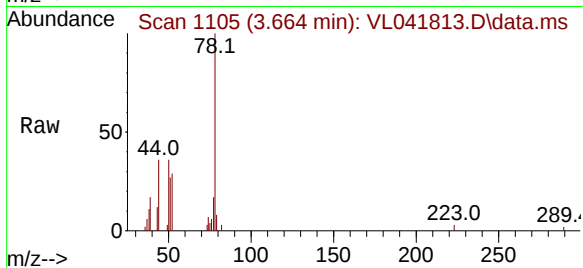
Tgt Ion: 78 Resp: 2078

Ion Ratio Lower Upper

78 100

77 9.9 17.8 26.6#

50 34.9 17.2 25.8#



#39

1,2-Dichloropropane

Concen: 7.450 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.340 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

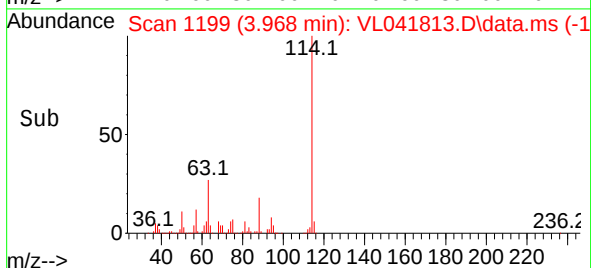
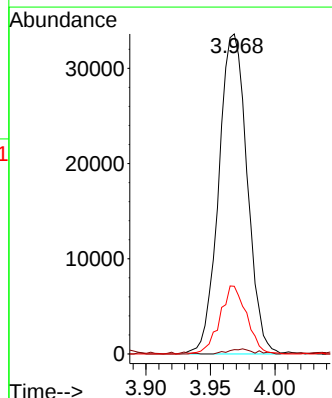
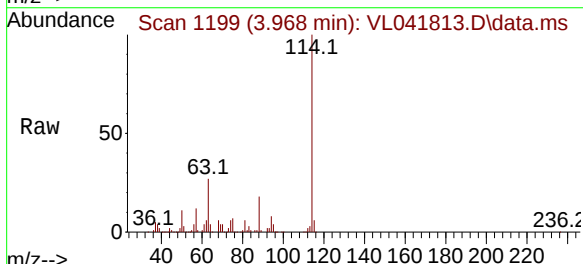
Tgt Ion: 63 Resp: 51513

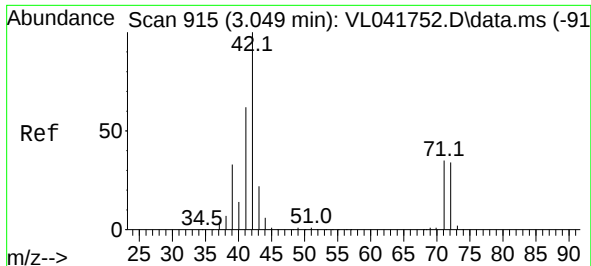
Ion Ratio Lower Upper

63 100

41 1.3 75.3 112.9#

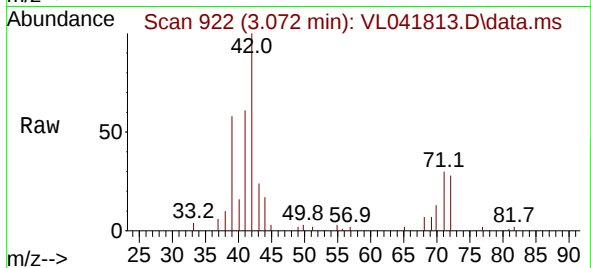
62 21.2 57.3 85.9#



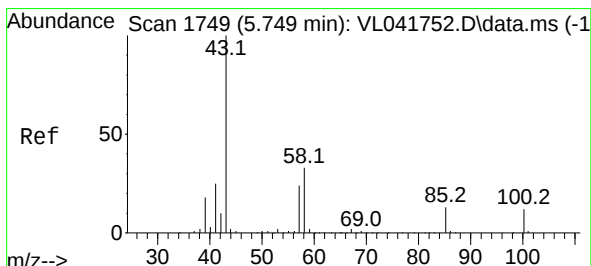
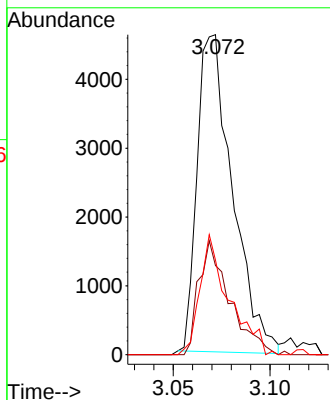
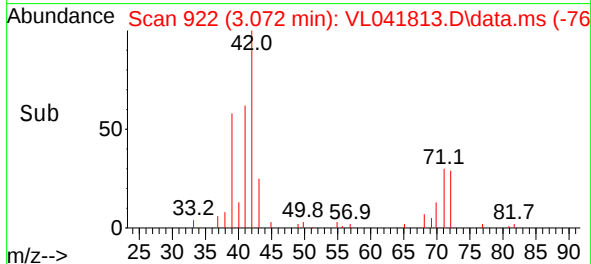


#41  
Tetrahydrofuran  
Concen: 0.703 ppbv  
RT: 3.072 min Scan# 91  
Delta R.T. 0.022 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

Instrument :  
MSVOA\_L  
ClientSampleId :

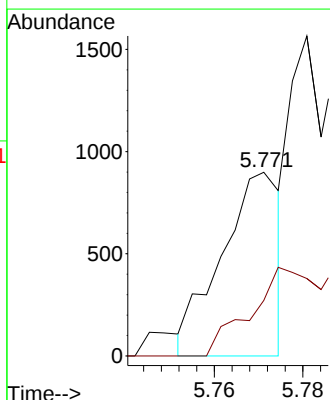
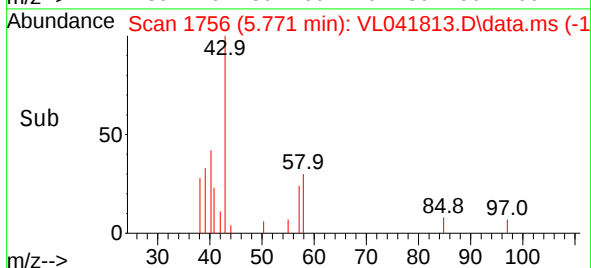
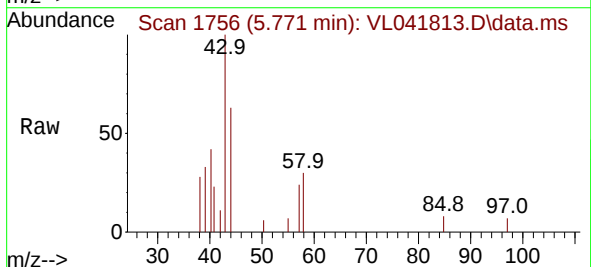


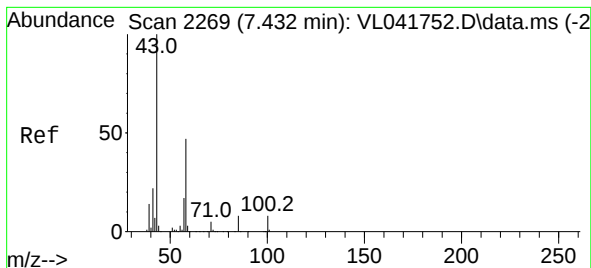
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 5854 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 31.6  | 29.1  | 43.7 |
| 71        | 31.7  | 28.4  | 42.6 |



#50  
4-Methyl-2-Pentanone  
Concen: 0.041 ppbv  
RT: 5.771 min Scan# 1756  
Delta R.T. 0.022 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 832   |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 0.0   | 26.8  | 40.2# |





#51

2-Hexanone

Concen: 0.992 ppbv

RT: 7.435 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

ClientSampleId :

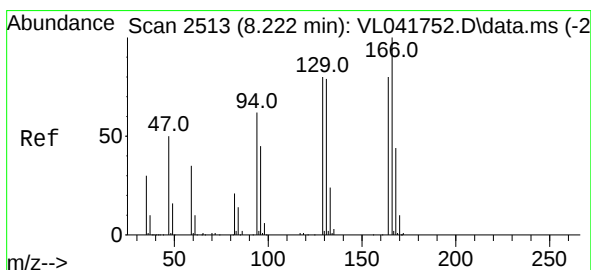
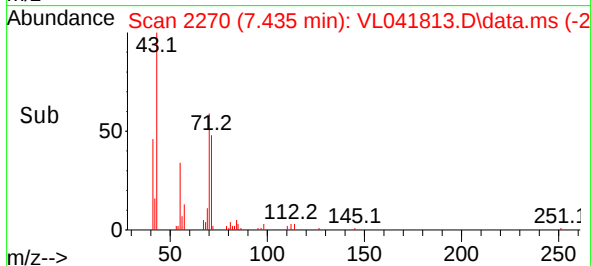
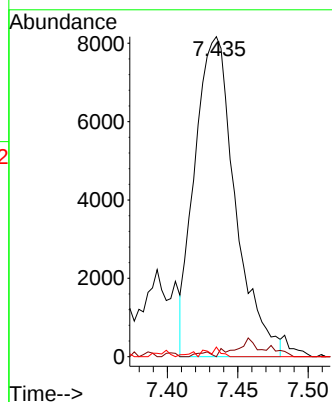
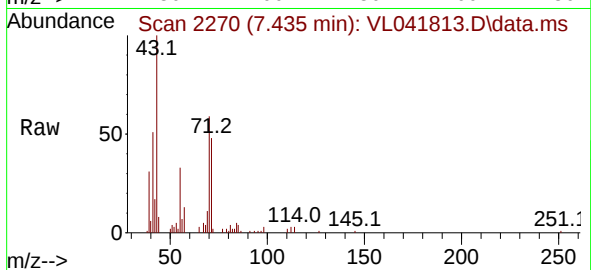
Tgt Ion: 43 Resp: 16278

Ion Ratio Lower Upper

43 100

58 4.4 36.6 55.0#

98 1.2 0.1 0.1#



#52

Tetrachloroethene

Concen: 0.046 ppbv

RT: 8.234 min Scan# 2517

Delta R.T. 0.013 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Tgt Ion: 164 Resp: 327

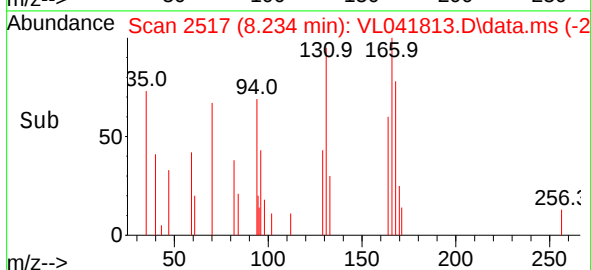
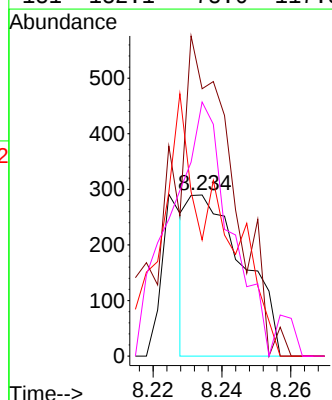
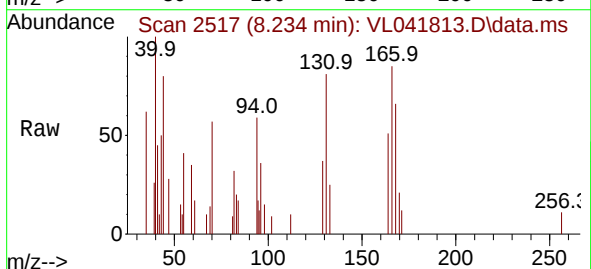
Ion Ratio Lower Upper

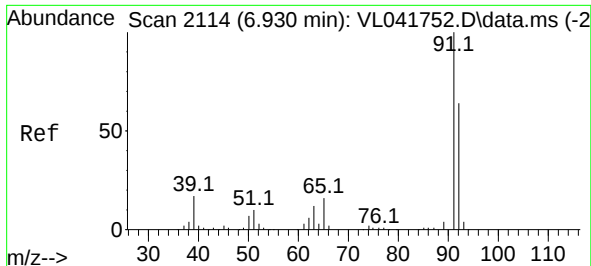
164 100

166 147.9 99.8 149.6

129 72.1 79.6 119.4#

131 132.1 78.6 117.8#





#53

Toluene

Concen: 4.717 ppbv

RT: 6.949 min Scan# 2114

Delta R.T. 0.019 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

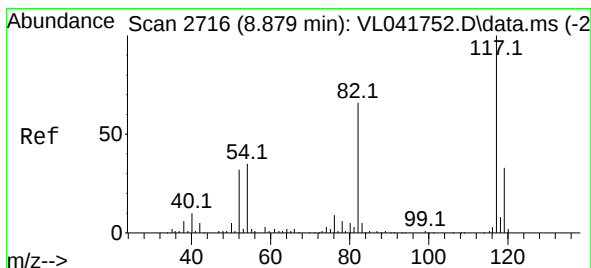
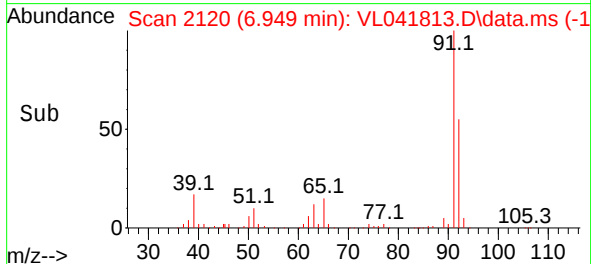
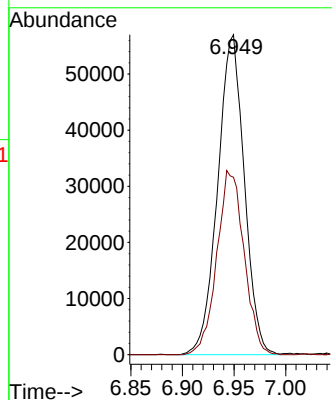
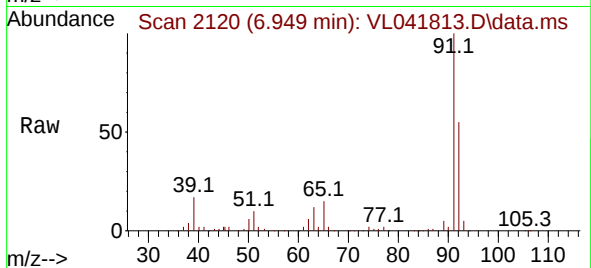
ClientSampleId :

Tgt Ion: 91 Resp: 102249

Ion Ratio Lower Upper

91 100

92 58.9 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.009 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

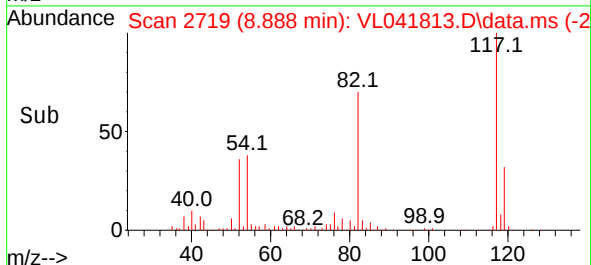
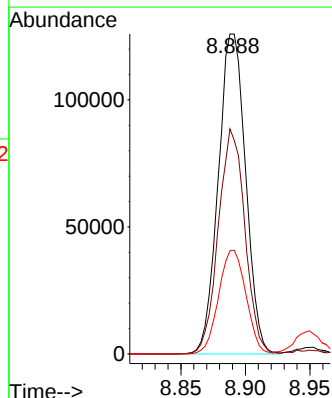
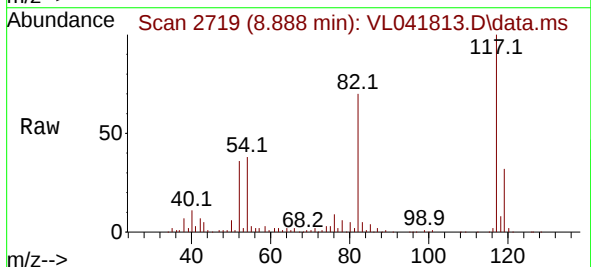
Tgt Ion: 117 Resp: 185714

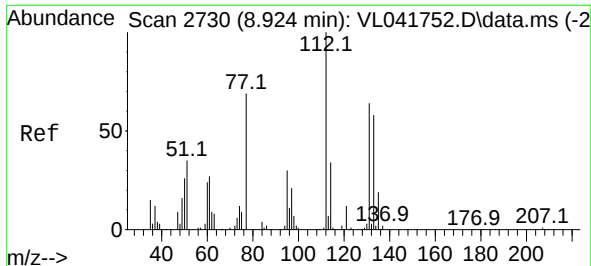
Ion Ratio Lower Upper

117 100

82 68.2 53.8 80.8

119 32.3 26.7 40.1





#56

1,1,1,2-Tetrachloroethane

Concen: 0.081 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. 0.022 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_1

ClientSampleId :

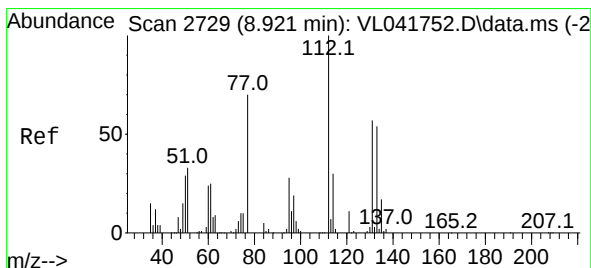
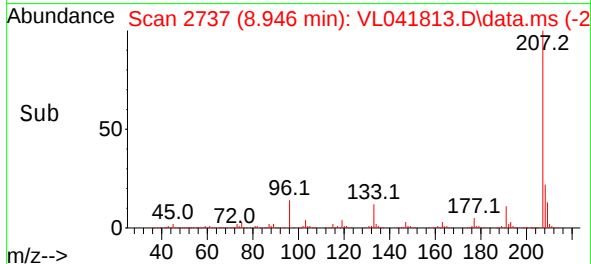
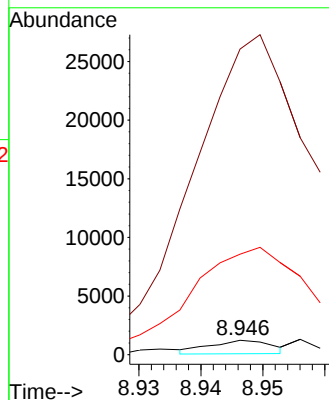
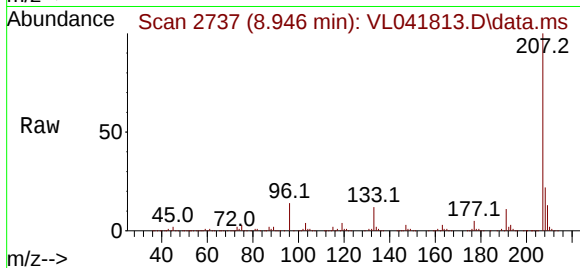
Tgt Ion:131 Resp: 797

Ion Ratio Lower Upper

131 100

133 4995.7 76.8 115.2#

119 1705.1 49.0 73.6#



#57

Chlorobenzene

Concen: 0.178 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.009 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

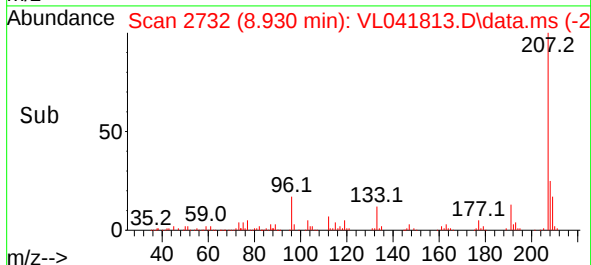
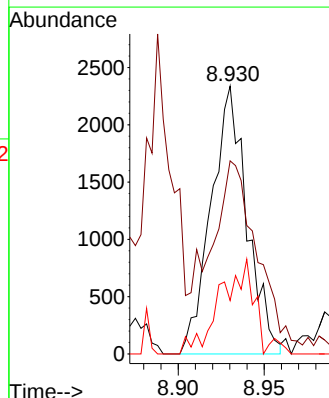
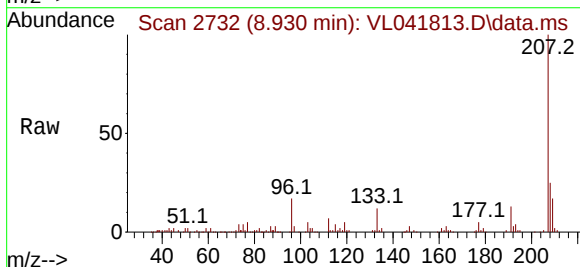
Tgt Ion:112 Resp: 3385

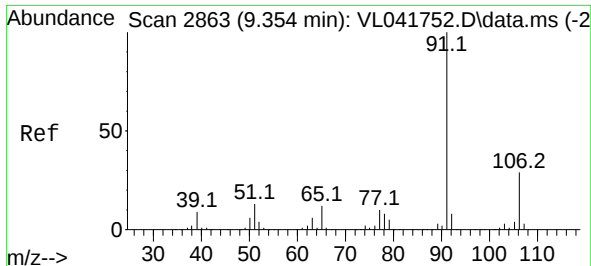
Ion Ratio Lower Upper

112 100

77 58.4 57.4 86.0

114 18.2 27.4 33.4#





#58

Ethyl Benzene

Concen: 0.465 ppbv

RT: 9.364 min Scan# 21

Delta R.T. 0.009 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

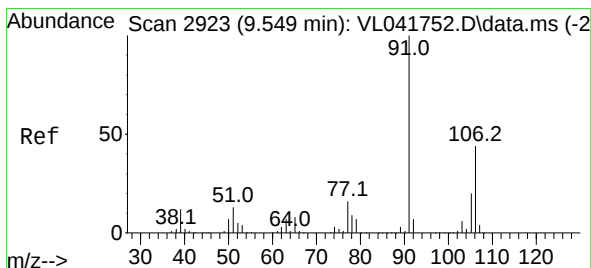
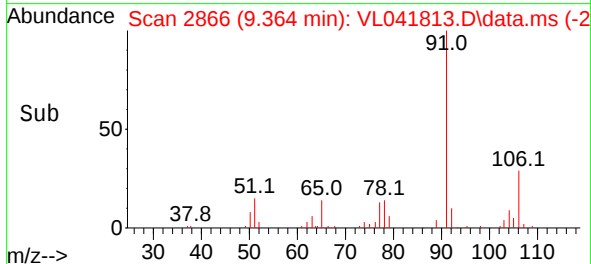
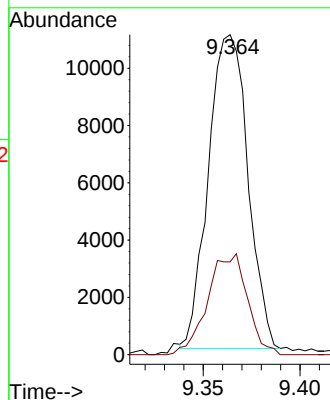
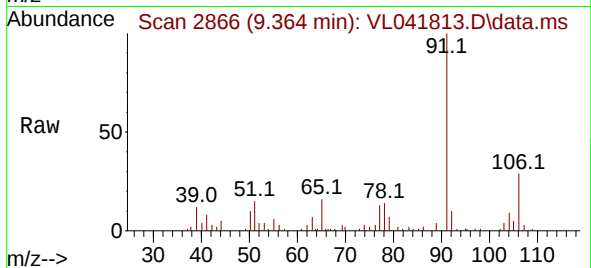
ClientSampleId :

Tgt Ion: 91 Resp: 15539

Ion Ratio Lower Upper

91 100

106 29.6 23.5 35.3



#59

m/p-Xylene

Concen: 1.907 ppbv

RT: 9.539 min Scan# 2920

Delta R.T. -0.010 min

Lab File: VL041813.D

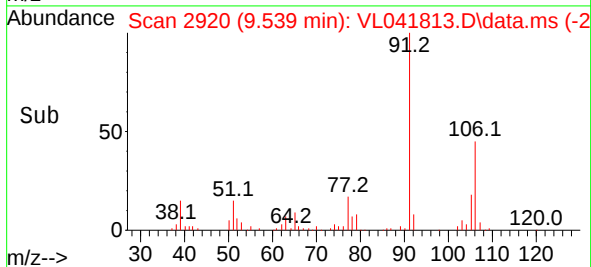
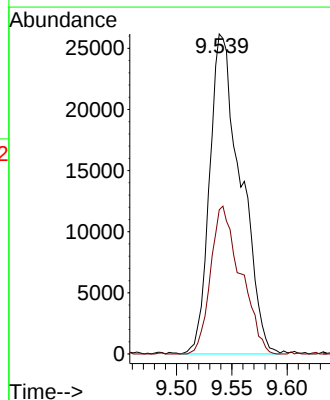
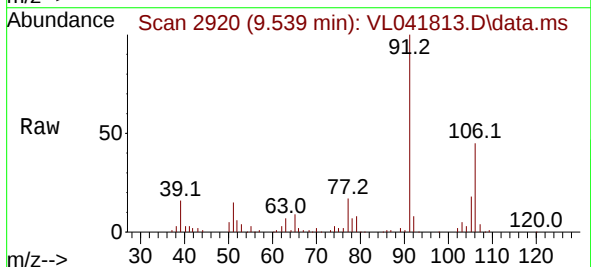
Acq: 19 Dec 2024 01:55

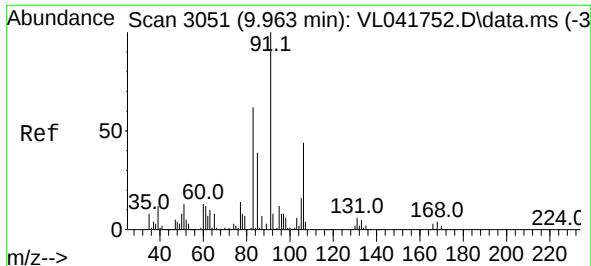
Tgt Ion: 91 Resp: 51273

Ion Ratio Lower Upper

91 100

106 44.6 0.0 0.0#





#60

o-Xylene

Concen: 0.723 ppbv

RT: 9.969 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

Instrument :

MSVOA\_L

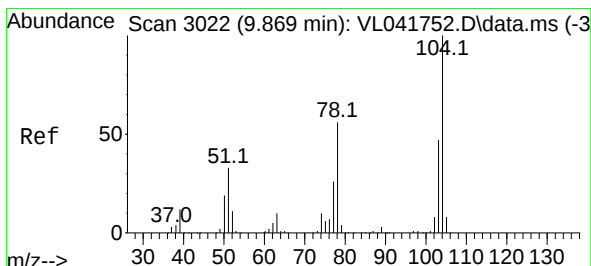
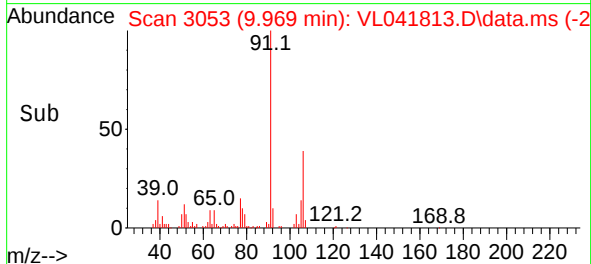
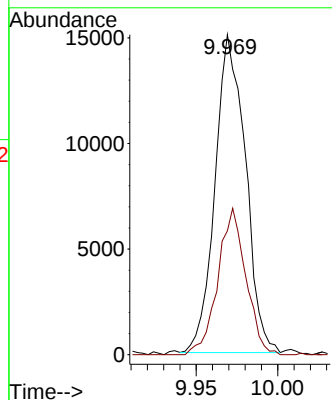
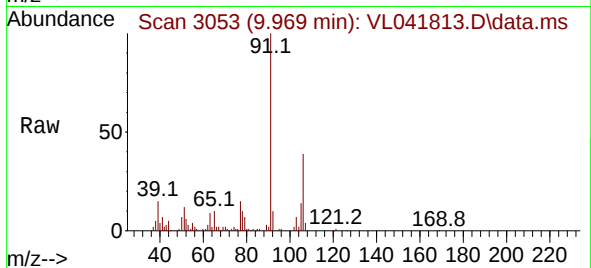
ClientSampleId :

Tgt Ion: 91 Resp: 19501

Ion Ratio Lower Upper

91 100

106 42.6 21.1 63.4



#61

Styrene

Concen: 0.443 ppbv

RT: 9.878 min Scan# 3025

Delta R.T. 0.009 min

Lab File: VL041813.D

Acq: 19 Dec 2024 01:55

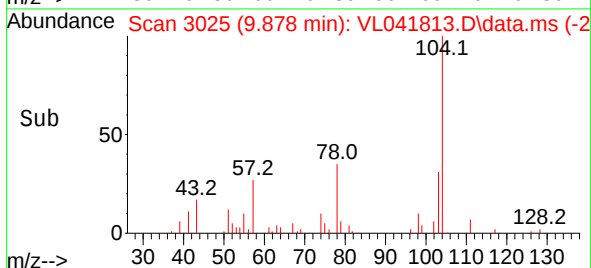
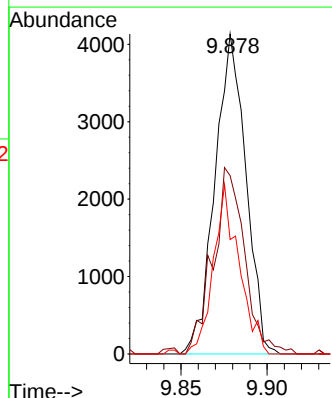
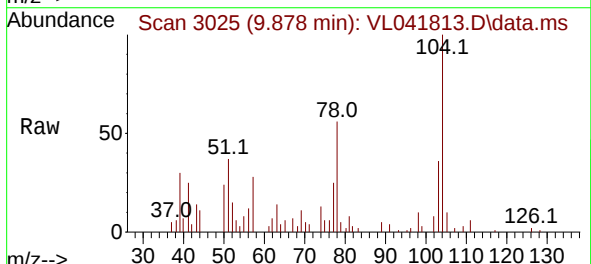
Tgt Ion: 104 Resp: 5166

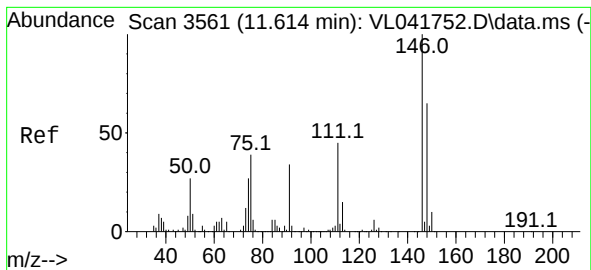
Ion Ratio Lower Upper

104 100

78 60.2 43.8 65.6

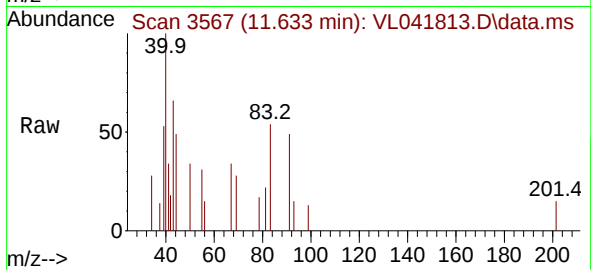
103 44.2 37.8 56.6



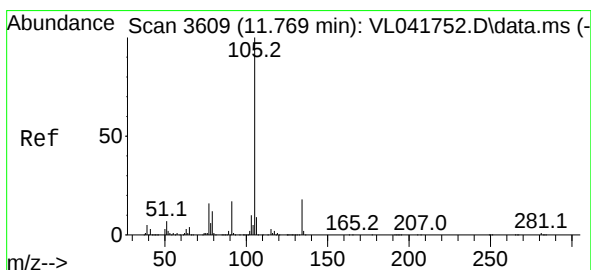
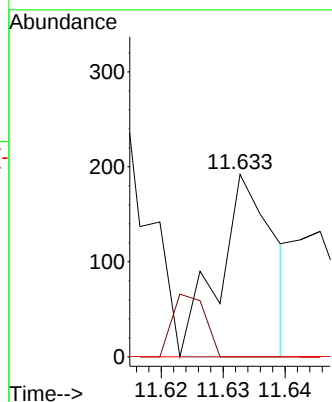
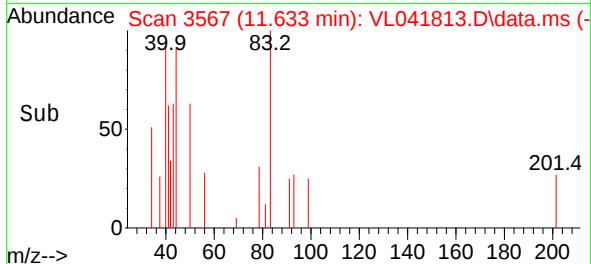


#66  
Benzyl Chloride  
Concen: 0.037 ppbv  
RT: 11.633 min Scan# 3561  
Delta R.T. 0.019 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55

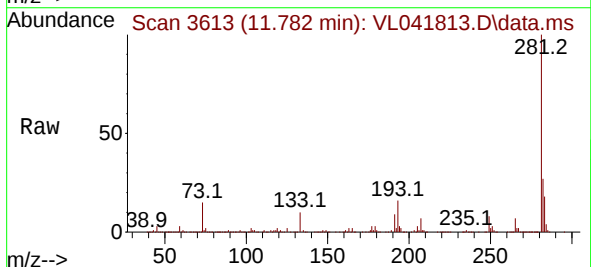
Instrument :  
MSVOA\_1  
ClientSampleId :



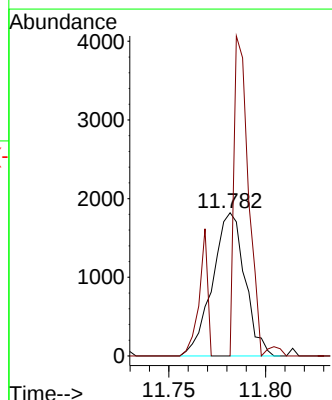
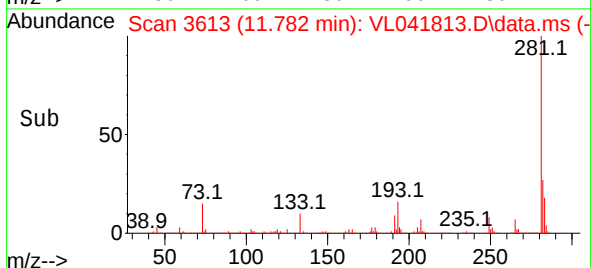
Tgt Ion: 91 Resp: 118  
Ion Ratio Lower Upper  
91 100  
126 0.0 13.9 20.9#  
128 0.0 4.4 6.6#

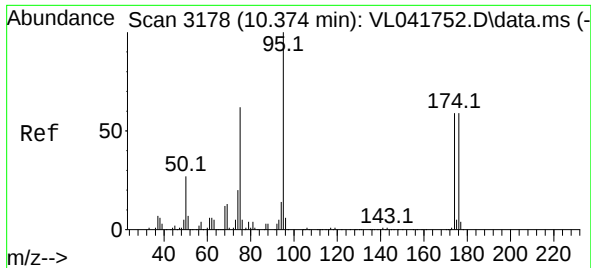


#67  
sec-Butylbenzene  
Concen: 0.042 ppbv  
RT: 11.782 min Scan# 3613  
Delta R.T. 0.013 min  
Lab File: VL041813.D  
Acq: 19 Dec 2024 01:55



Tgt Ion: 105 Resp: 2118  
Ion Ratio Lower Upper  
105 100  
134 125.9 14.5 21.7#





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.640 ppbv  
 RT: 10.383 min Scan# 3178  
 Delta R.T. 0.009 min  
 Lab File: VL041813.D  
 Acq: 19 Dec 2024 01:55

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tgt Ion: 95 Resp: 149193  
 Ion Ratio Lower Upper  
 95 100  
 174 57.5 47.6 71.4  
 175 3.9 3.7 5.5

