

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110625\  
 Data File : VL043165.D  
 Acq On : 06 Nov 2025 13:50  
 Operator : SY/MD  
 Sample : Q3557-03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 141-IA2

Quant Time: Nov 07 00:22:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Oct 15 02:12:58 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 113035   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.959 | 114  | 330913   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.878 | 117  | 283774   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 229122   | 10.388   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.900% |

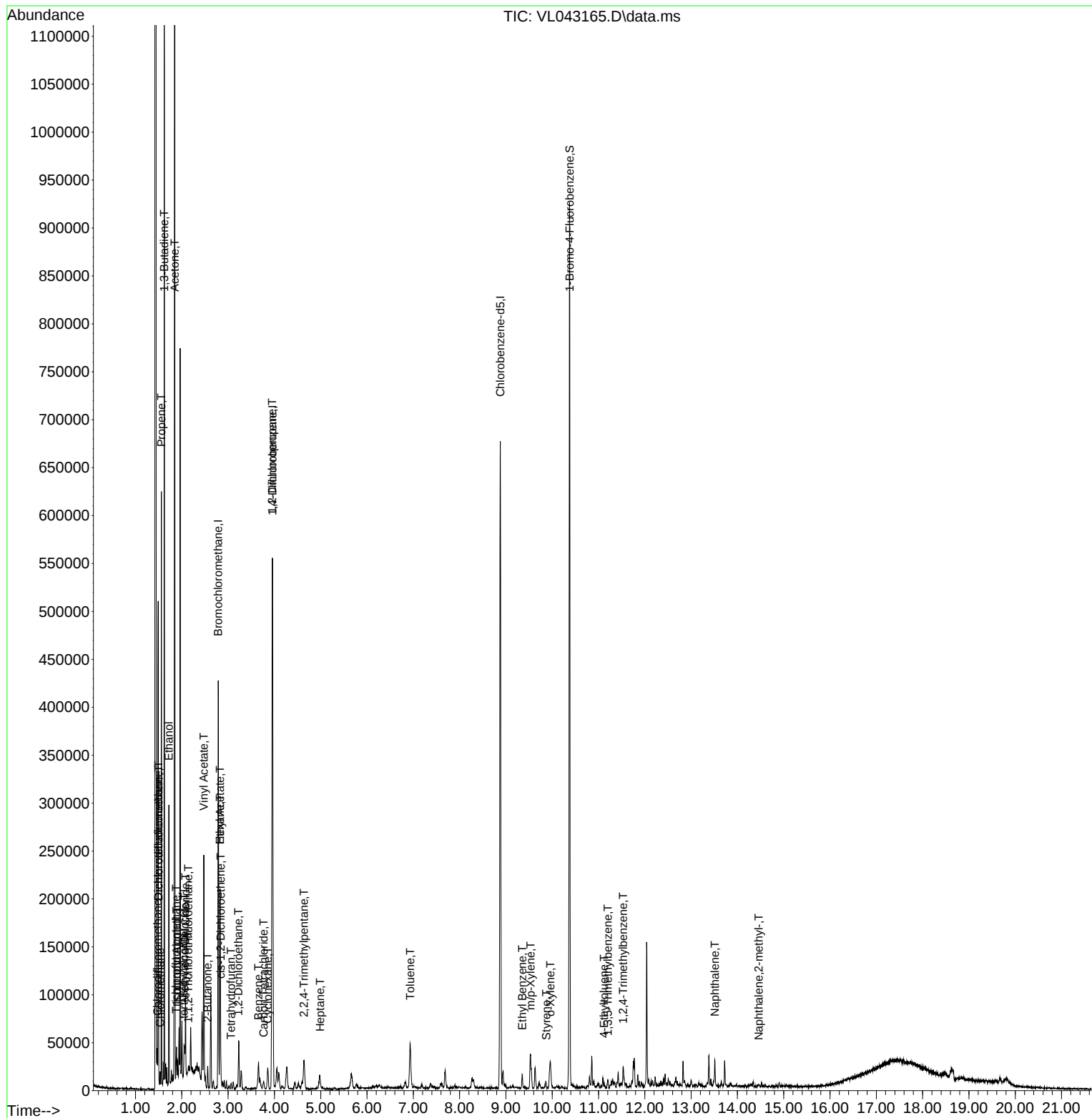
| Target Compounds              |        |     |        |        |        | Qvalue |
|-------------------------------|--------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499  | 85  | 32908  | 2.048  | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 1.476  | 51  | 12731  | 0.732  | ppbv # | 77     |
| 4) Chloromethane              | 1.531  | 50  | 2999   | 0.471  | ppbv   | 91     |
| 8) Dichlorotetrafluoroethane  | 1.499  | 85  | 32908  | 2.534  | ppbv # | 21     |
| 9) Propene                    | 1.560  | 41  | 63704  | 8.261  | ppbv   | 98     |
| 10) Heptane                   | 4.985  | 43  | 2999   | 0.135  | ppbv # | 27     |
| 11) Trichlorofluoromethane    | 1.878  | 101 | 5581   | 0.355  | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140  | 101 | 1021   | 0.081  | ppbv   | 84     |
| 13) Ethanol                   | 1.719  | 45  | 103305 | 36.217 | ppbv   | 100    |
| 15) Acetone                   | 1.845  | 43  | 366986 | 24.088 | ppbv # | 72     |
| 16) 1,3-Butadiene             | 1.622  | 39  | 76674  | 10.560 | ppbv # | 16     |
| 17) tert-Butyl alcohol        | 2.043  | 59  | 1507   | 0.072  | ppbv # | 72     |
| 19) Isopropyl Alcohol         | 1.887  | 45  | 10103  | 1.065  | ppbv # | 1      |
| 20) Methylene Chloride        | 2.062  | 84  | 3972   | 0.660  | ppbv # | 86     |
| 21) Allyl Chloride            | 2.078  | 41  | 7015   | 0.625  | ppbv # | 18     |
| 23) Vinyl Acetate             | 2.476  | 43  | 67063  | 3.005  | ppbv # | 45     |
| 25) Ethyl Acetate             | 2.826  | 43  | 35195  | 0.932  | ppbv # | 83     |
| 26) Hexane                    | 2.826  | 57  | 47767  | 2.744  | ppbv # | 41     |
| 30) Cyclohexane               | 3.855  | 84  | 5306   | 0.349  | ppbv # | 91     |
| 31) cis-1,2-Dichloroethene    | 2.839  | 61  | 524    | 0.032  | ppbv # | 24     |
| 34) 2-Butanone                | 2.557  | 43  | 13607  | 0.612  | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 3.764  | 117 | 2179   | 0.092  | ppbv # | 93     |
| 36) Benzene                   | 3.654  | 78  | 16826  | 0.540  | ppbv   | 94     |
| 37) 1,2-Dichloroethane        | 3.221  | 62  | 1636   | 0.091  | ppbv # | 94     |
| 39) 1,2-Dichloropropane       | 3.955  | 63  | 83837  | 7.358  | ppbv # | 24     |
| 41) Tetrahydrofuran           | 3.062  | 42  | 1943   | 0.156  | ppbv # | 86     |
| 44) 2,2,4-Trimethylpentane    | 4.638  | 57  | 25124  | 0.478  | ppbv # | 83     |
| 53) Toluene                   | 6.933  | 91  | 33445  | 0.904  | ppbv   | 96     |
| 58) Ethyl Benzene             | 9.351  | 91  | 7473   | 0.153  | ppbv   | 99     |
| 59) m/p-Xylene                | 9.532  | 91  | 16991  | 0.437  | ppbv # | 79     |
| 60) o-Xylene                  | 9.959  | 91  | 9569   | 0.249  | ppbv   | 100    |
| 61) Styrene                   | 9.872  | 104 | 1307   | 0.075  | ppbv # | 87     |
| 72) 4-Ethyltoluene            | 11.121 | 105 | 1824   | 0.039  | ppbv # | 61     |
| 73) 1,3,5-Trimethylbenzene    | 11.202 | 105 | 2045   | 0.053  | ppbv   | 94     |
| 74) 1,2,4-Trimethylbenzene    | 11.532 | 105 | 6570   | 0.151  | ppbv # | 54     |
| 79) Naphthalene               | 13.513 | 128 | 12262  | 0.269  | ppbv   | 97     |
| 80) Naphthalene,2-methyl-     | 14.462 | 142 | 375    | 0.032  | ppbv # | 62     |

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

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Data File : VL043165.D  
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Sample : Q3557-03  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
141-IA2

Quant Time: Nov 07 00:22:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Wed Oct 15 02:12:58 2025  
Response via : Initial Calibration

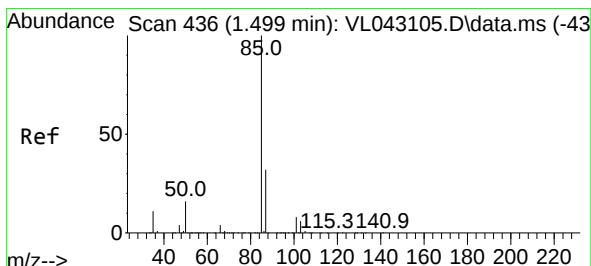
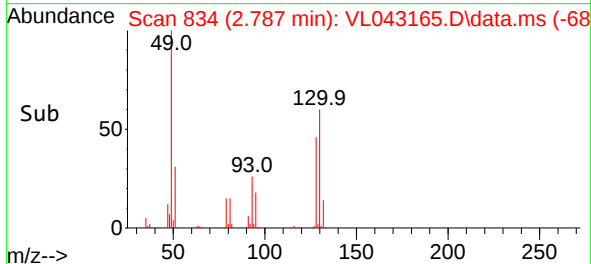
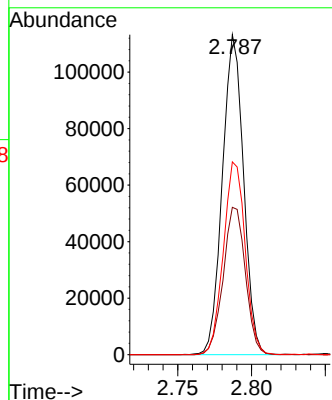
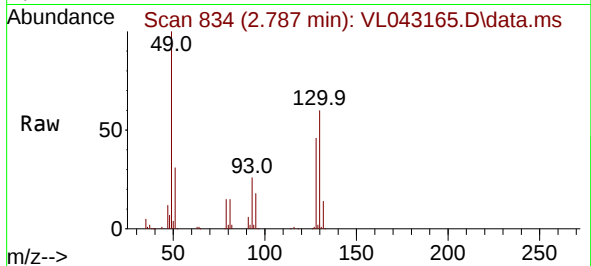




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

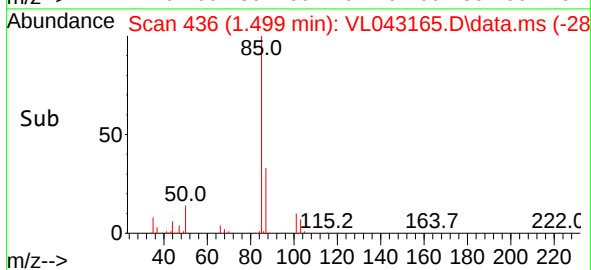
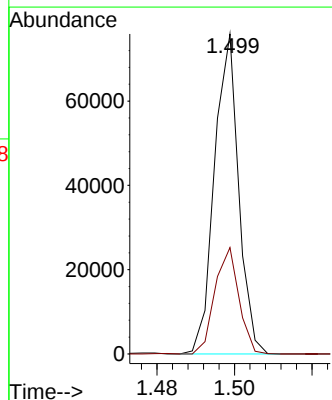
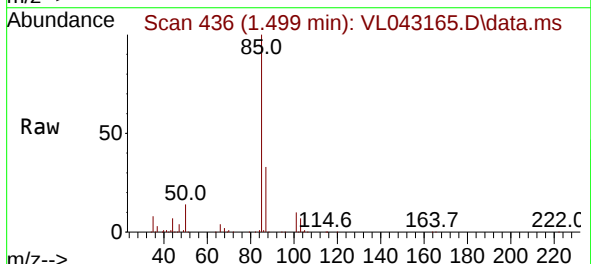
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MSVOA\_L  
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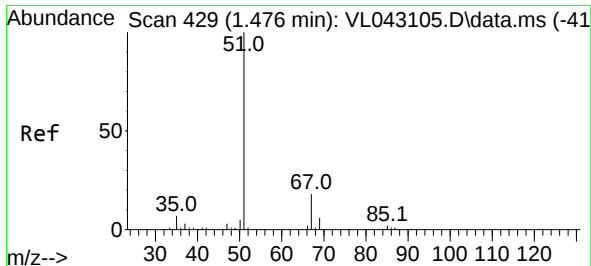
Tgt Ion: 49 Resp: 113035  
Ion Ratio Lower Upper  
49 100  
128 48.3 24.4 73.4  
130 62.3 31.0 93.0



#2  
Dichlorodifluoromethane  
Concen: 2.048 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

Tgt Ion: 85 Resp: 32908  
Ion Ratio Lower Upper  
85 100  
87 33.3 25.3 37.9

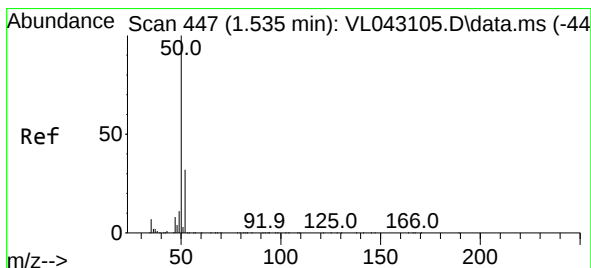
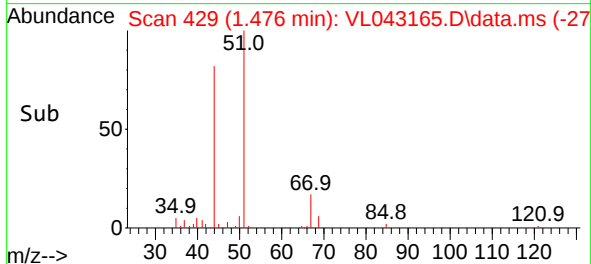
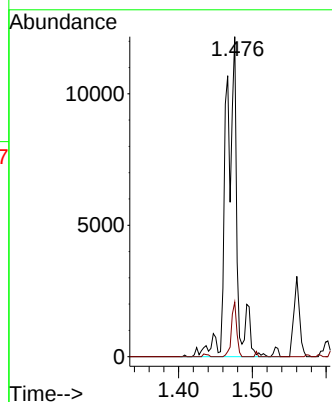
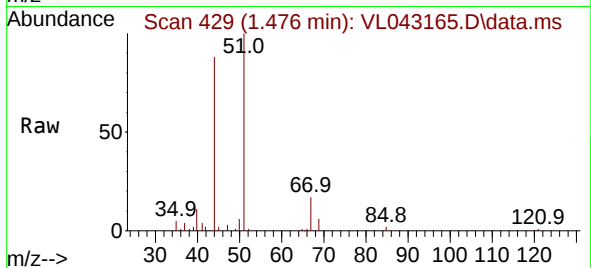




#3  
Chlorodifluoromethane  
Concen: 0.732 ppbv  
RT: 1.476 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

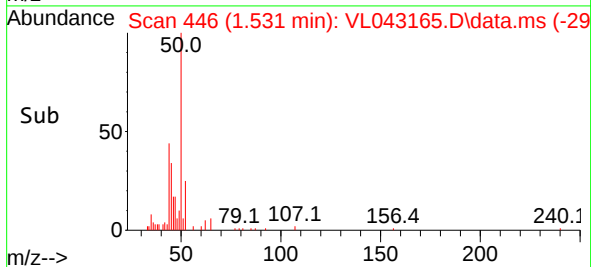
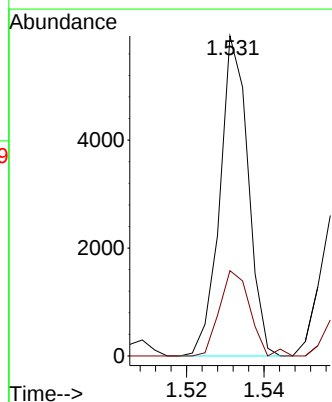
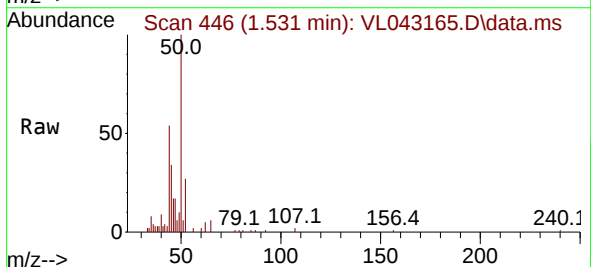
Instrument :  
MSVOA\_L  
ClientSampleId :  
141-IA2

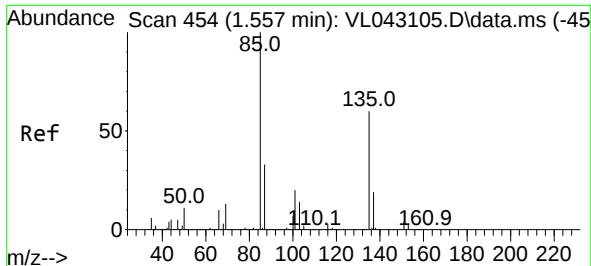
Tgt Ion: 51 Resp: 12731  
Ion Ratio Lower Upper  
51 100  
67 8.5 15.1 22.7#



#4  
Chloromethane  
Concen: 0.471 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.003 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

Tgt Ion: 50 Resp: 2999  
Ion Ratio Lower Upper  
50 100  
52 26.6 25.2 37.8

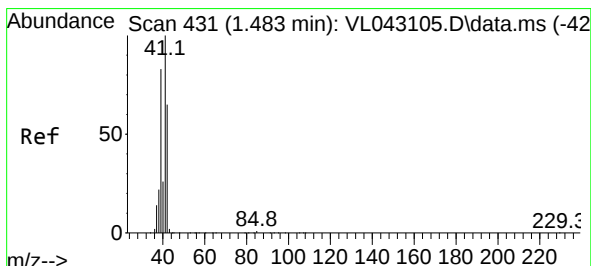
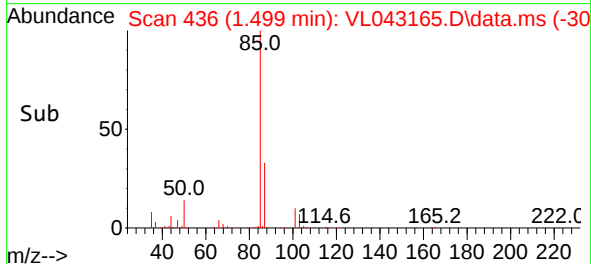
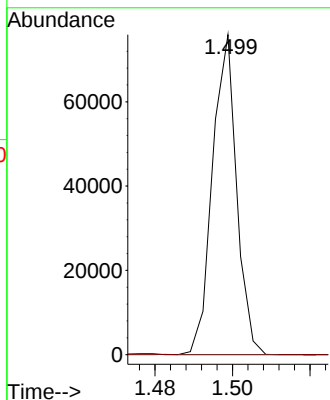
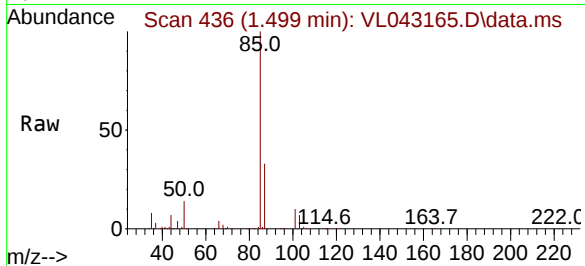




#8  
 Dichlorotetrafluoroethane  
 Concen: 2.534 ppbv  
 RT: 1.499 min Scan# 41  
 Delta R.T. -0.058 min  
 Lab File: VL043165.D  
 Acq: 06 Nov 2025 13:50

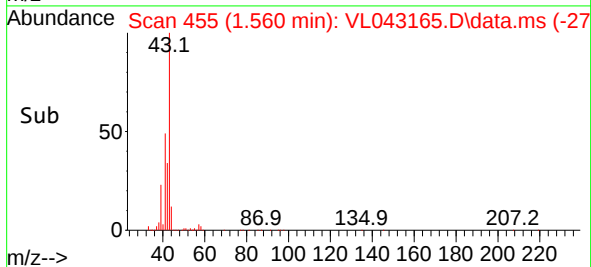
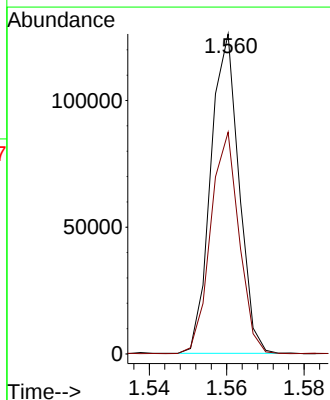
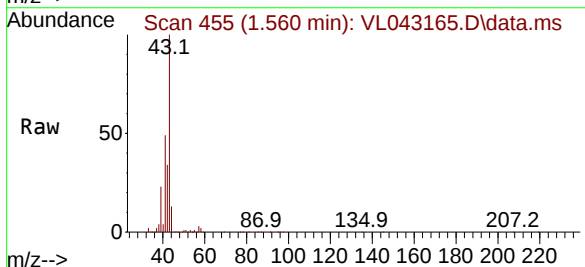
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 141-IA2

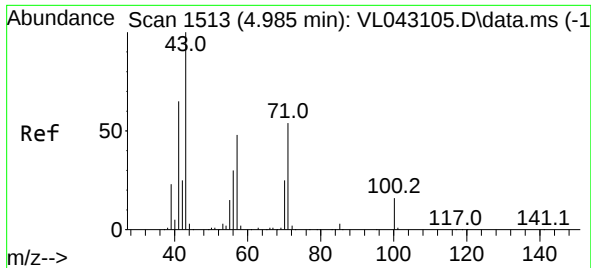
Tgt Ion: 85 Resp: 32908  
 Ion Ratio Lower Upper  
 85 100  
 135 0.0 48.2 72.4#



#9  
 Propene  
 Concen: 8.261 ppbv  
 RT: 1.560 min Scan# 455  
 Delta R.T. 0.078 min  
 Lab File: VL043165.D  
 Acq: 06 Nov 2025 13:50

Tgt Ion: 41 Resp: 63704  
 Ion Ratio Lower Upper  
 41 100  
 42 70.4 55.1 82.7

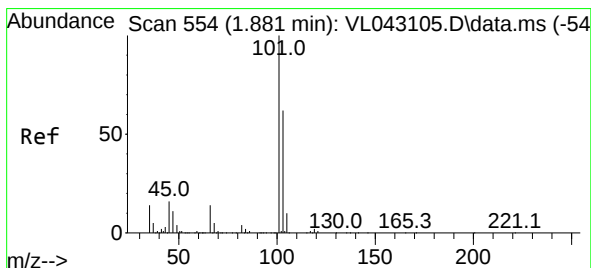
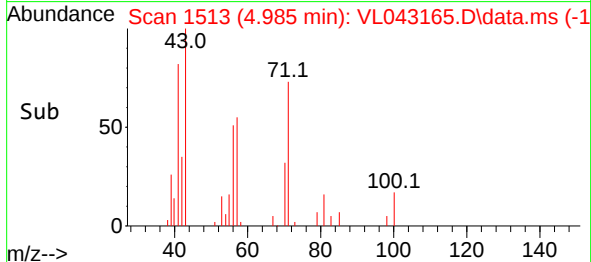
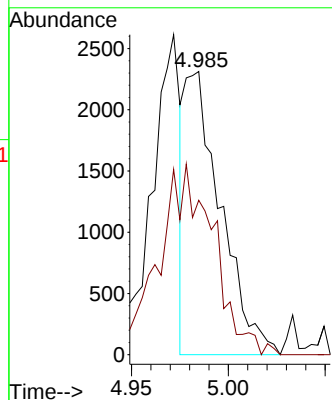
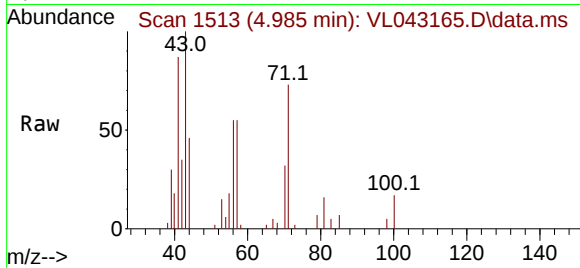




#10  
Heptane  
Concen: 0.135 ppbv  
RT: 4.985 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

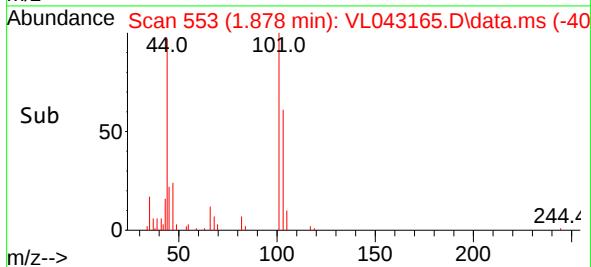
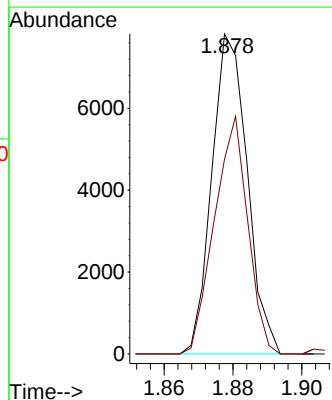
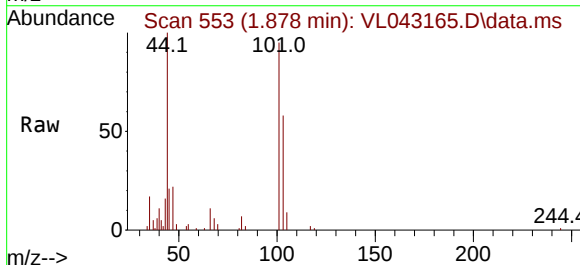
Instrument :  
MSVOA\_L  
ClientSampleId :  
141-IA2

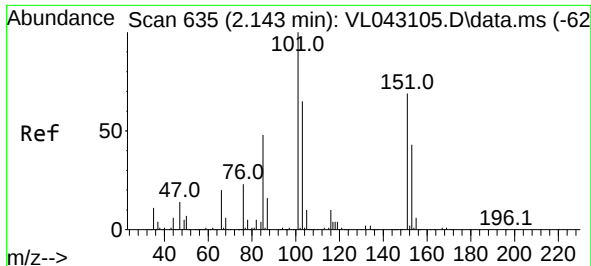
Tgt Ion: 43 Resp: 2999  
Ion Ratio Lower Upper  
43 100  
57 101.7 40.8 61.2#



#11  
Trichlorofluoromethane  
Concen: 0.355 ppbv  
RT: 1.878 min Scan# 553  
Delta R.T. -0.003 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

Tgt Ion:101 Resp: 5581  
Ion Ratio Lower Upper  
101 100  
103 60.8 49.3 73.9

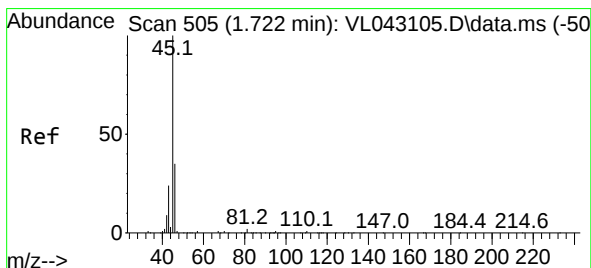
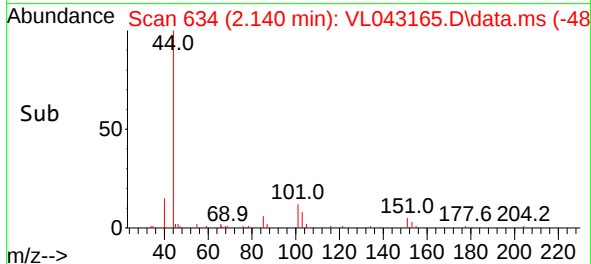
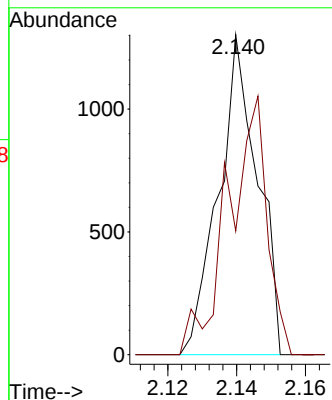
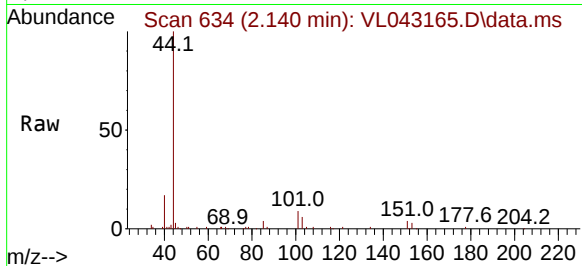




#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.081 ppbv  
RT: 2.140 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

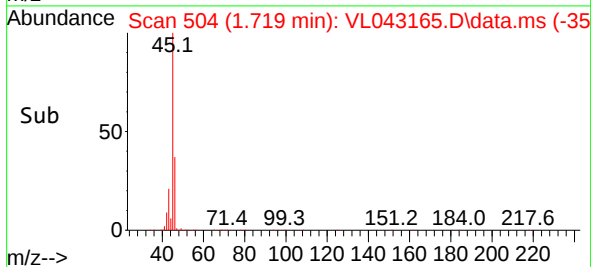
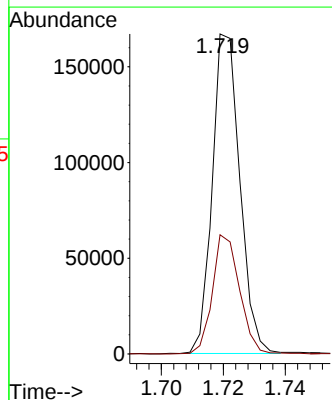
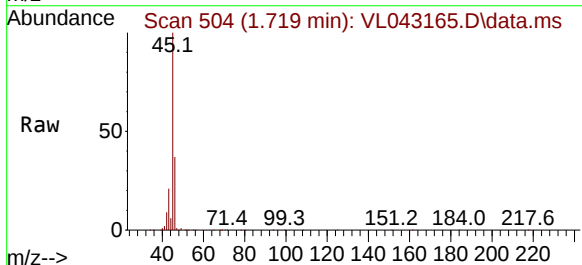
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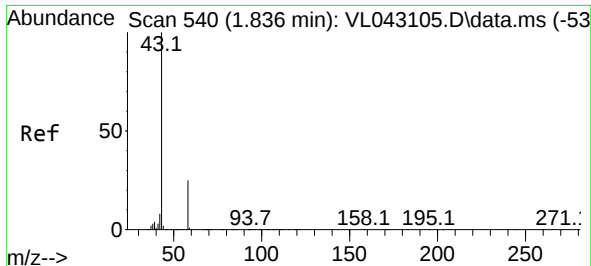
Tgt Ion:101 Resp: 1021  
Ion Ratio Lower Upper  
101 100  
151 81.2 54.7 82.1



#13  
Ethanol  
Concen: 36.217 ppbv  
RT: 1.719 min Scan# 504  
Delta R.T. -0.003 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

Tgt Ion: 45 Resp: 103305  
Ion Ratio Lower Upper  
45 100  
46 37.1 14.7 58.9

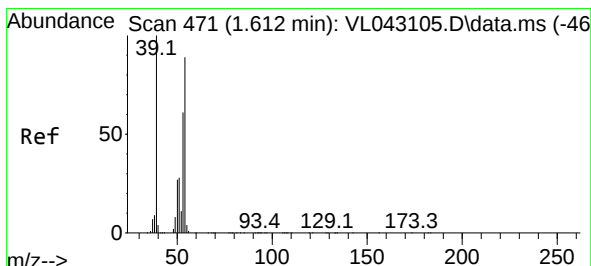
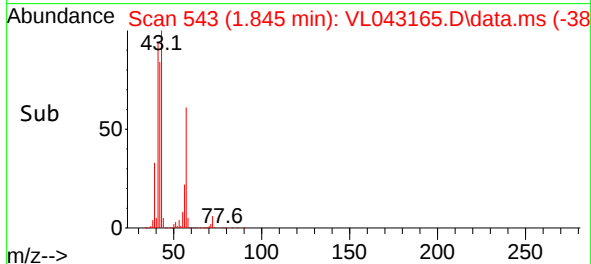
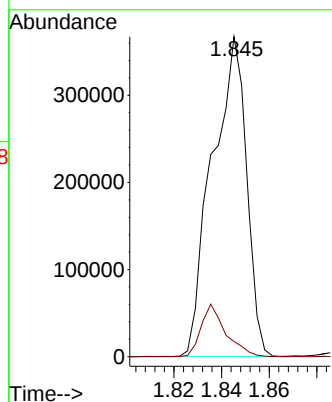
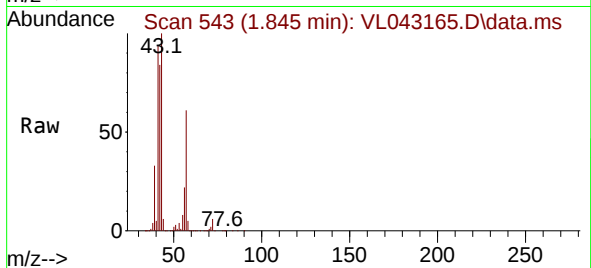




#15  
Acetone  
Concen: 24.088 ppbv  
RT: 1.845 min Scan# 54  
Delta R.T. 0.010 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

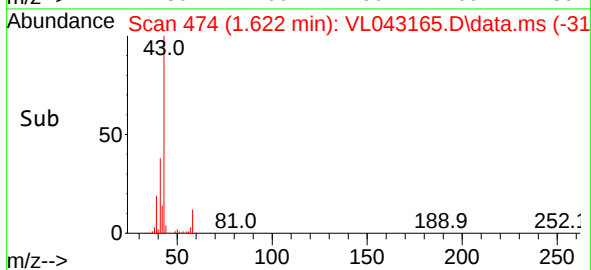
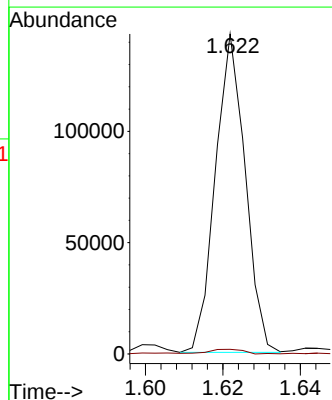
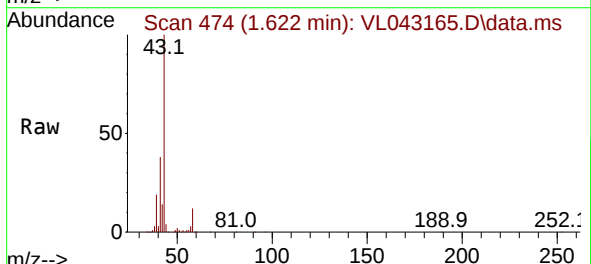
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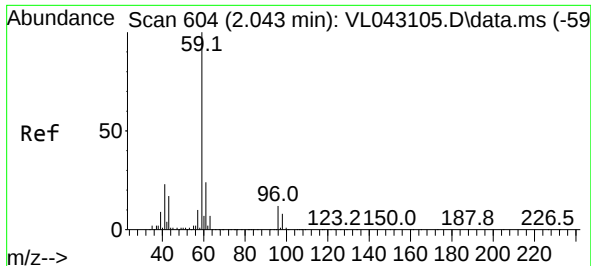
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Ion Ratio Lower Upper  
43 100  
58 11.8 20.8 31.2#



#16  
1,3-Butadiene  
Concen: 10.560 ppbv  
RT: 1.622 min Scan# 474  
Delta R.T. 0.010 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

Tgt Ion: 39 Resp: 76674  
Ion Ratio Lower Upper  
39 100  
54 2.5 59.0 88.4#





#17

tert-Butyl alcohol

Concen: 0.072 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL043165.D

Acq: 06 Nov 2025 13:50

Instrument :

MSVOA\_1

ClientSampleId :

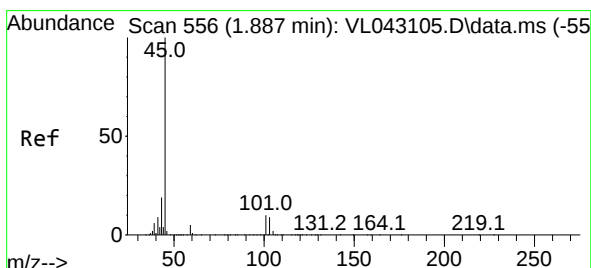
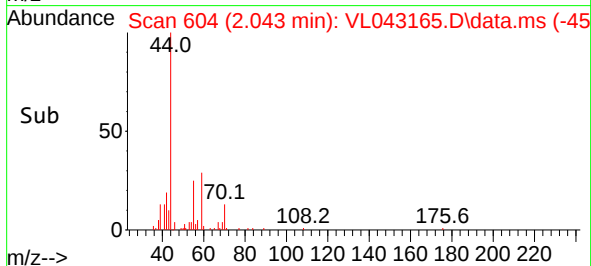
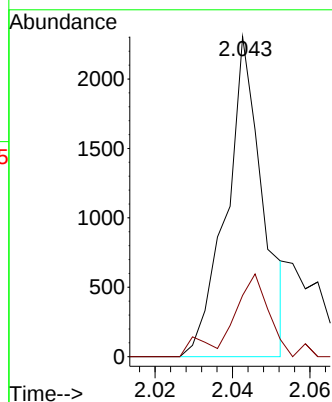
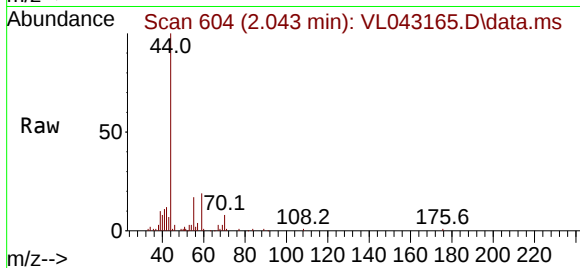
141-IA2

Tgt Ion: 59 Resp: 1507

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#19

Isopropyl Alcohol

Concen: 1.065 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.000 min

Lab File: VL043165.D

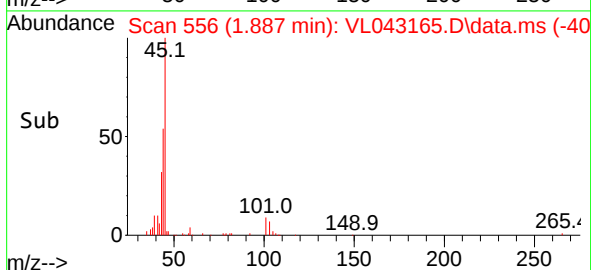
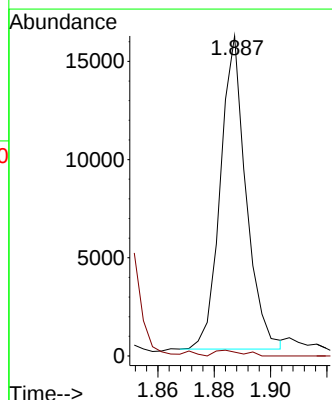
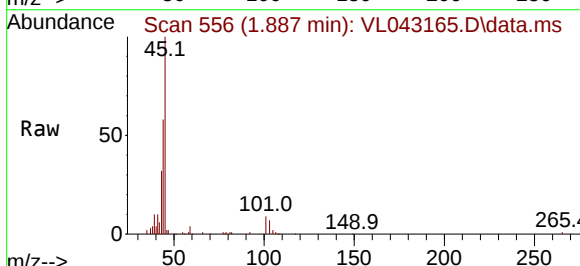
Acq: 06 Nov 2025 13:50

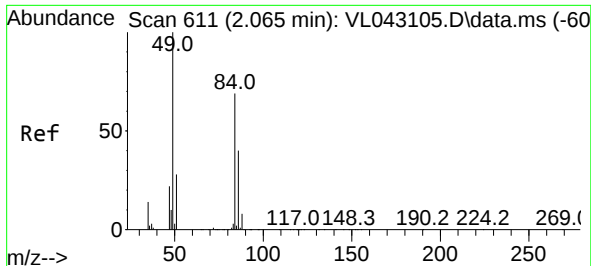
Tgt Ion: 45 Resp: 10103

Ion Ratio Lower Upper

45 100

58 432.0 31.3 46.9#

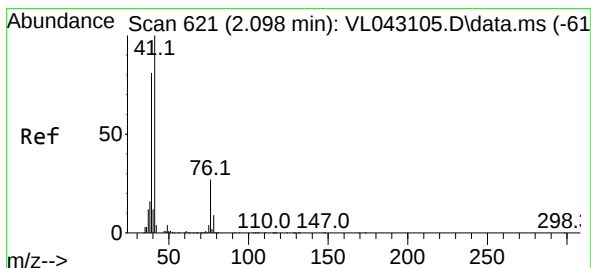
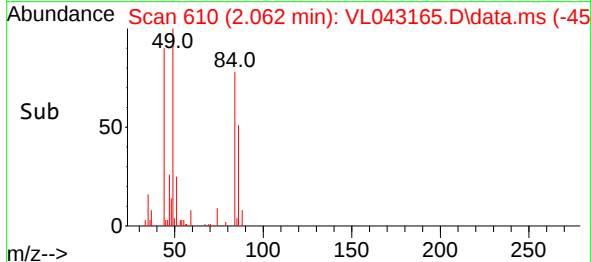
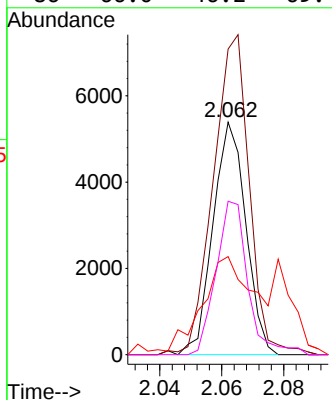
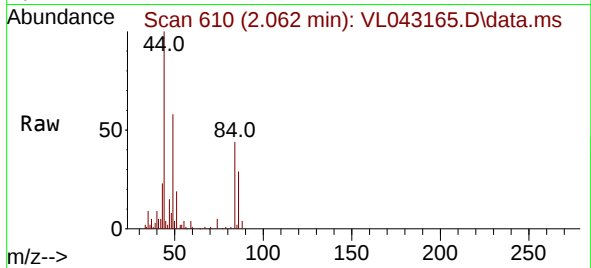




#20  
Methylene Chloride  
Concen: 0.660 ppbv  
RT: 2.062 min Scan# 611  
Delta R.T. -0.003 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

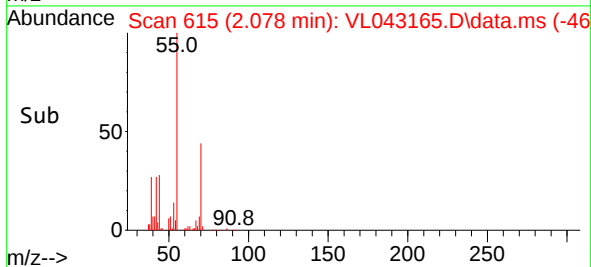
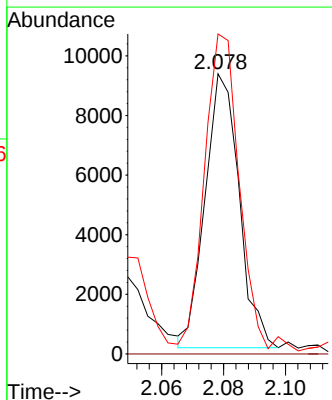
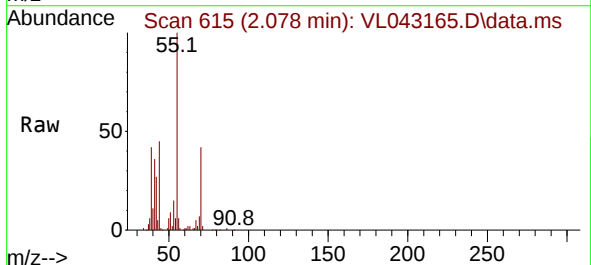
Instrument :  
MSVOA\_L  
ClientSampleId :  
141-IA2

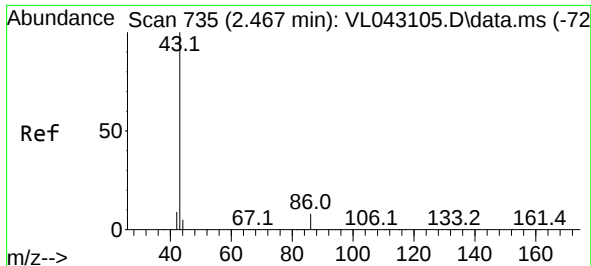
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 3972  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 130.2    | 116.6 175.0 |
| 51 27.8     | 34.8 52.2#  |
| 86 66.0     | 46.2 69.4   |



#21  
Allyl Chloride  
Concen: 0.625 ppbv  
RT: 2.078 min Scan# 615  
Delta R.T. -0.020 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 41 | Resp: 7015 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 41 100      |            |       |  |
| 76 8.4      | 21.5       | 32.3# |  |
| 39 160.9    | 60.8       | 91.2# |  |

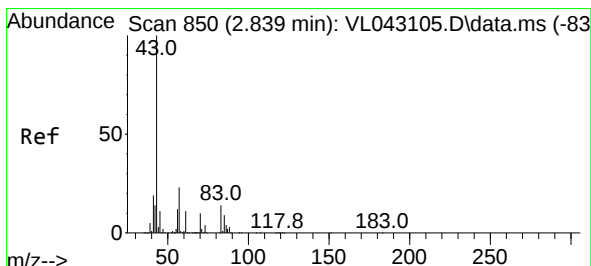
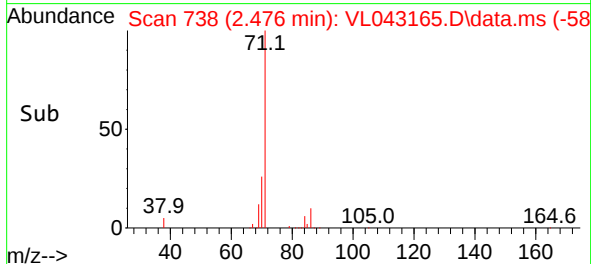
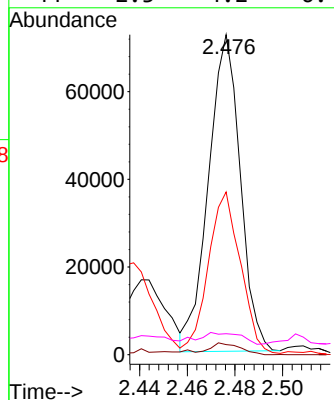
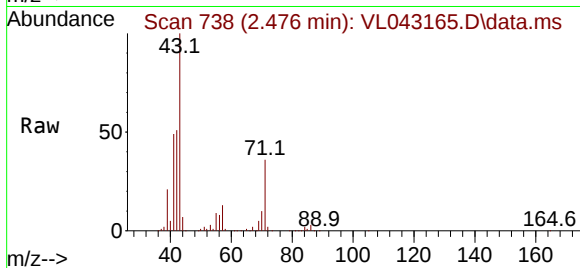




#23  
 Vinyl Acetate  
 Concen: 3.005 ppbv  
 RT: 2.476 min Scan# 71  
 Delta R.T. 0.010 min  
 Lab File: VL043165.D  
 Acq: 06 Nov 2025 13:50

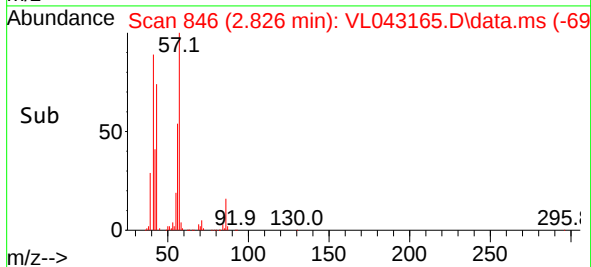
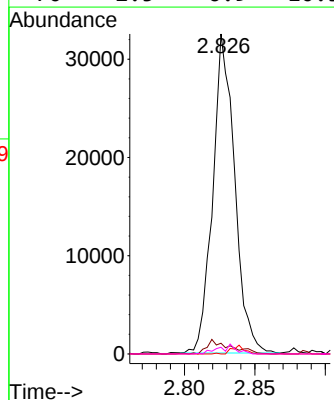
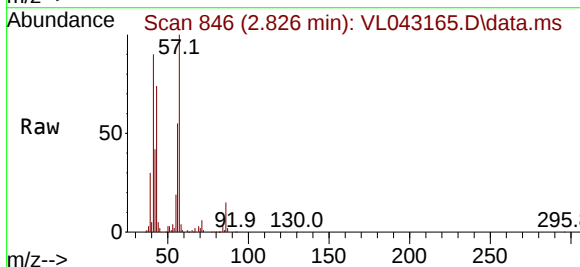
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 141-IA2

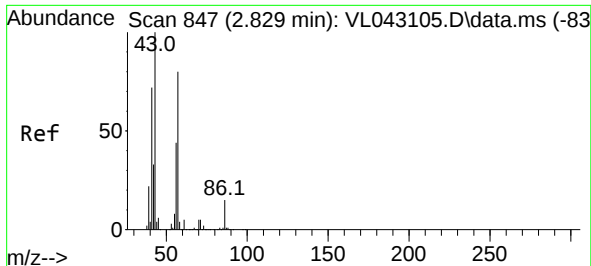
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 67063 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 3.1   | 6.2   | 9.2#  |
| 42       | 51.1  | 7.6   | 11.4# |
| 44       | 2.3   | 4.2   | 6.4#  |



#25  
 Ethyl Acetate  
 Concen: 0.932 ppbv  
 RT: 2.826 min Scan# 846  
 Delta R.T. -0.013 min  
 Lab File: VL043165.D  
 Acq: 06 Nov 2025 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 35195 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 45       | 4.9   | 7.8   | 11.8# |
| 61       | 1.5   | 7.0   | 10.6# |
| 70       | 2.5   | 6.9   | 10.3# |

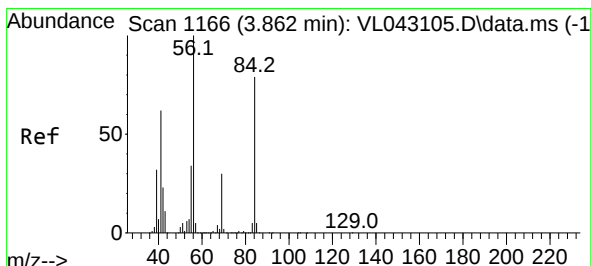
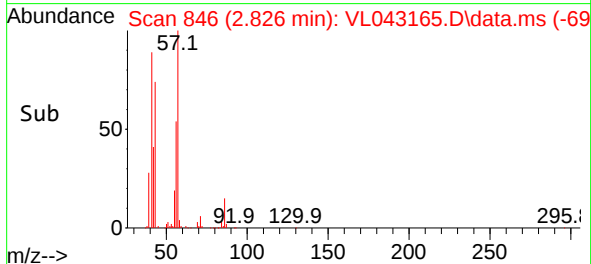
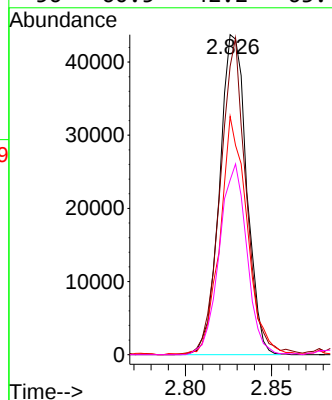
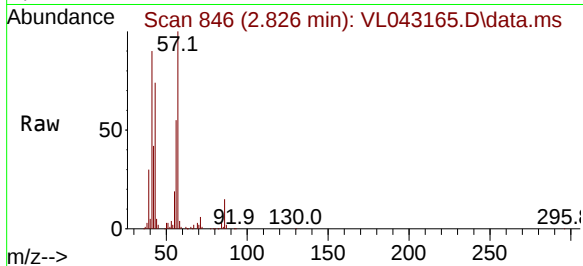




#26  
Hexane  
Concen: 2.744 ppbv  
RT: 2.826 min Scan# 847  
Delta R.T. -0.003 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

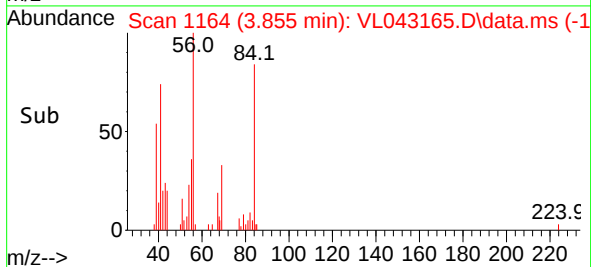
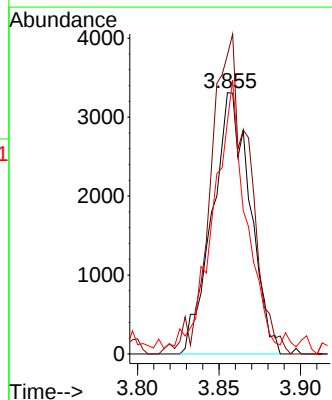
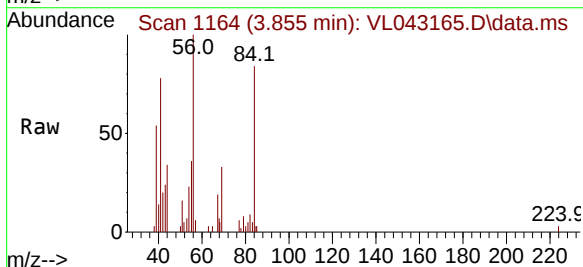
Instrument :  
MSVOA\_L  
ClientSampleId :  
141-IA2

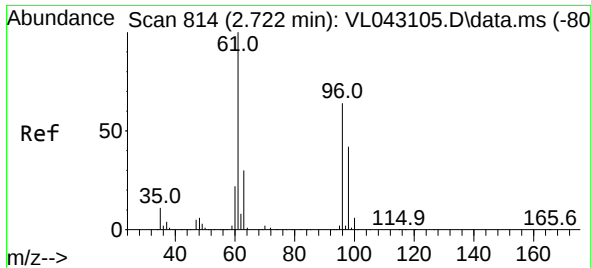
|             |              |
|-------------|--------------|
| Tgt Ion: 57 | Resp: 47767  |
| Ion Ratio   | Lower Upper  |
| 57 100      |              |
| 41 95.1     | 71.4 107.0   |
| 43 75.9     | 178.5 267.7# |
| 56 60.5     | 42.2 63.4    |



#30  
Cyclohexane  
Concen: 0.349 ppbv  
RT: 3.855 min Scan# 1164  
Delta R.T. -0.007 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 5306  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 56 124.3    | 100.9 151.3 |
| 41 98.4     | 63.8 95.6#  |

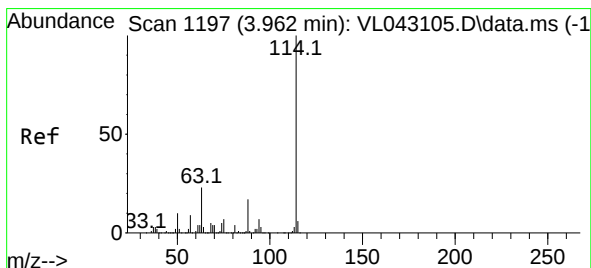
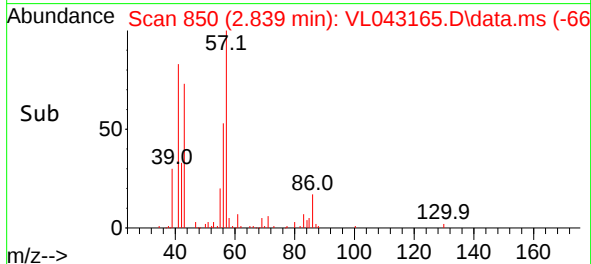
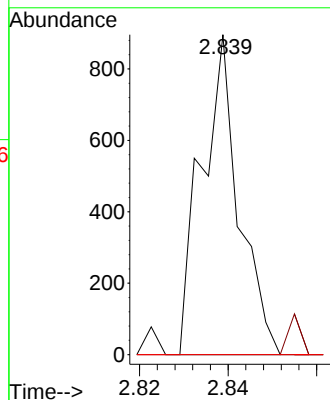
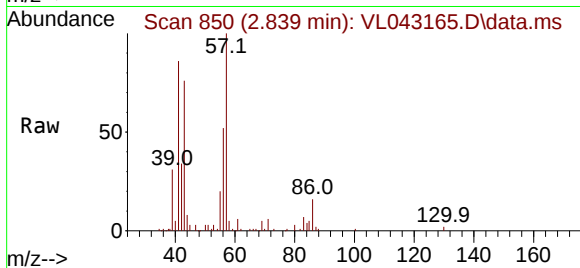




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.032 ppbv  
 RT: 2.839 min Scan# 814  
 Delta R.T. 0.116 min  
 Lab File: VL043165.D  
 Acq: 06 Nov 2025 13:50

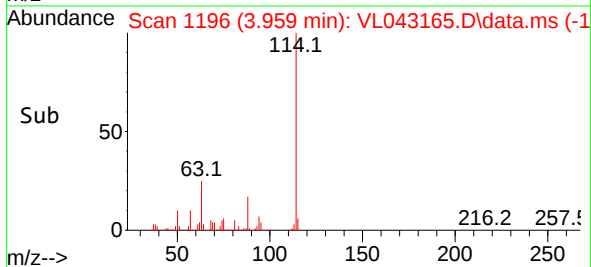
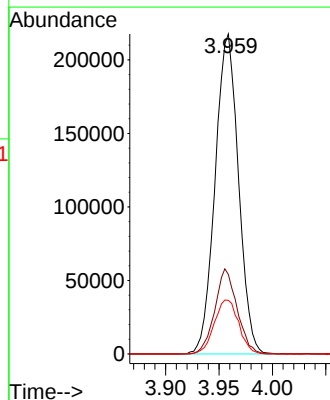
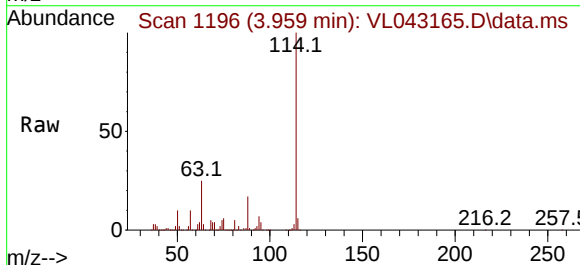
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 141-IA2

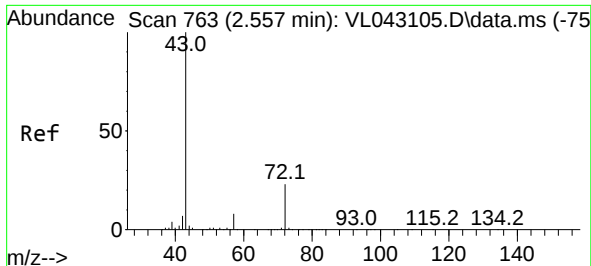
Tgt Ion: 61 Resp: 524  
 Ion Ratio Lower Upper  
 61 100  
 96 0.0 51.0 76.6#  
 98 0.0 33.5 50.3#



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 3.959 min Scan# 1196  
 Delta R.T. -0.003 min  
 Lab File: VL043165.D  
 Acq: 06 Nov 2025 13:50

Tgt Ion: 114 Resp: 330913  
 Ion Ratio Lower Upper  
 114 100  
 63 25.4 19.3 28.9  
 88 17.7 13.9 20.9

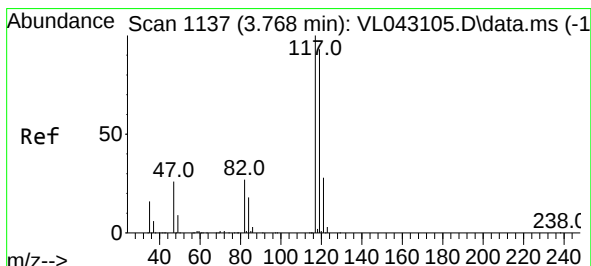
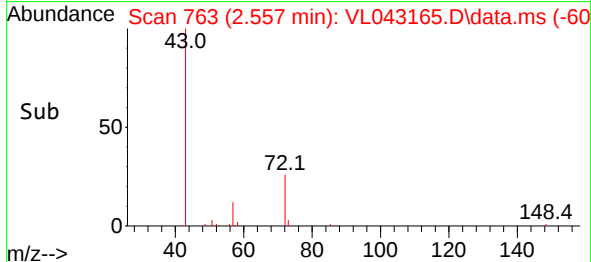
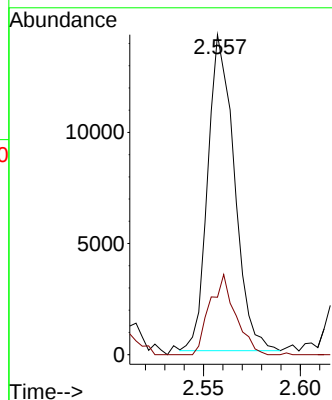
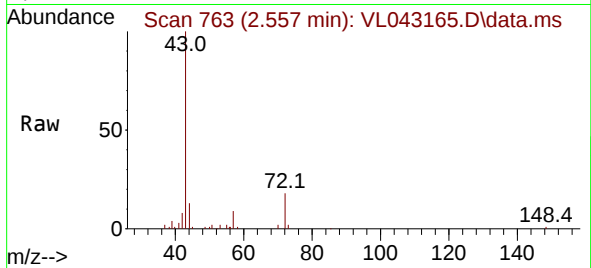




#34  
2-Butanone  
Concen: 0.612 ppbv  
RT: 2.557 min Scan# 763  
Delta R.T. -0.000 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

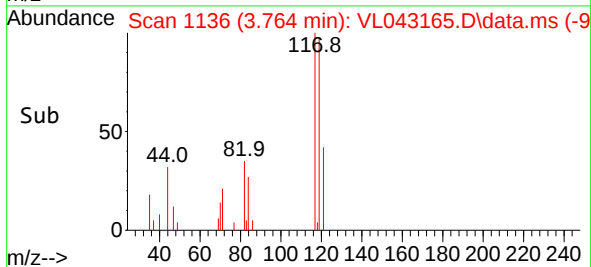
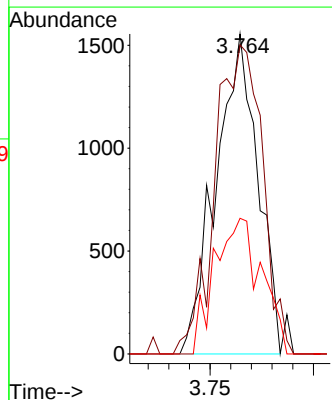
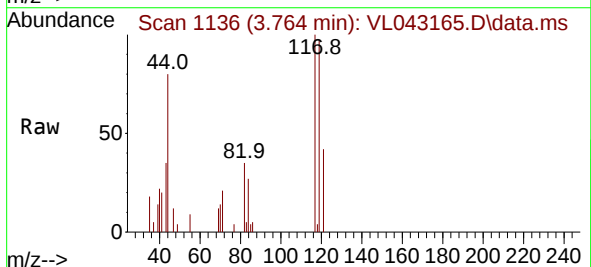
Instrument :  
MSVOA\_L  
ClientSampleId :  
141-IA2

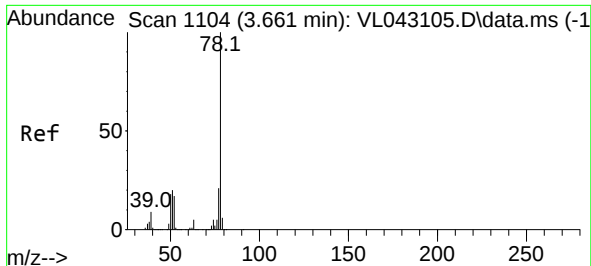
Tgt Ion: 43 Resp: 13607  
Ion Ratio Lower Upper  
43 100  
72 24.5 18.4 27.6



#35  
Carbon Tetrachloride  
Concen: 0.092 ppbv  
RT: 3.764 min Scan# 1136  
Delta R.T. -0.003 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

Tgt Ion: 117 Resp: 2179  
Ion Ratio Lower Upper  
117 100  
119 92.4 74.1 111.1  
121 42.4 22.2 33.2#

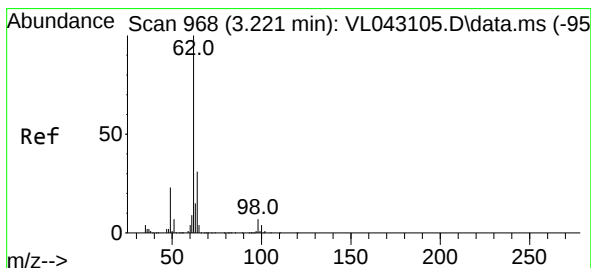
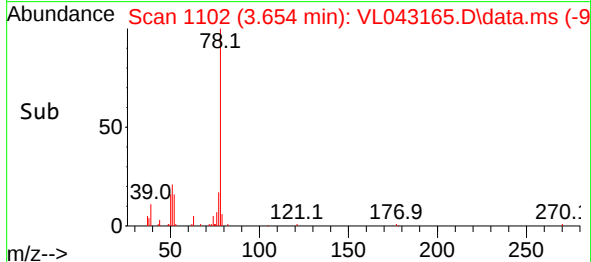
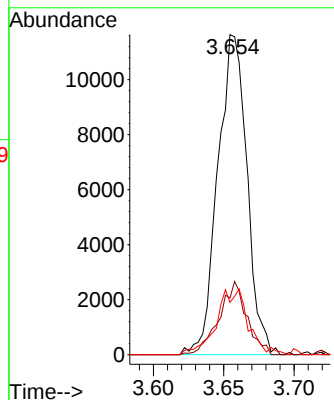
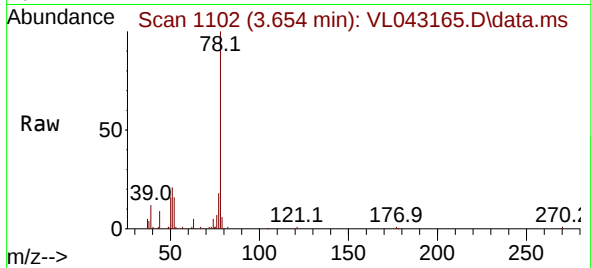




#36  
Benzene  
Concen: 0.540 ppbv  
RT: 3.654 min Scan# 1102  
Delta R.T. -0.007 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

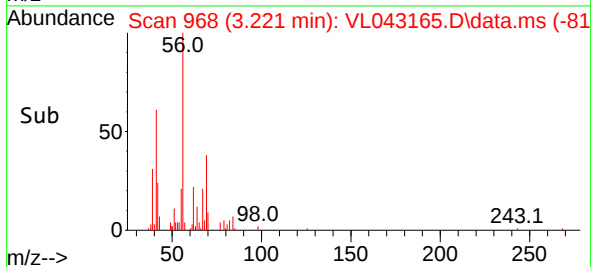
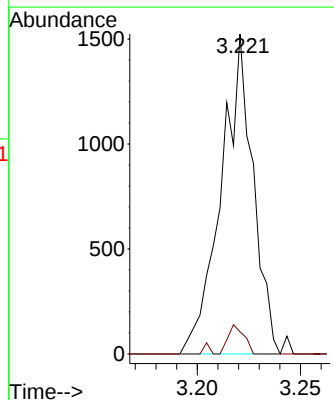
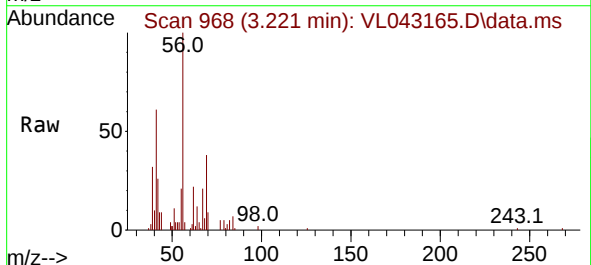
Instrument :  
MSVOA\_L  
ClientSampleId :  
141-IA2

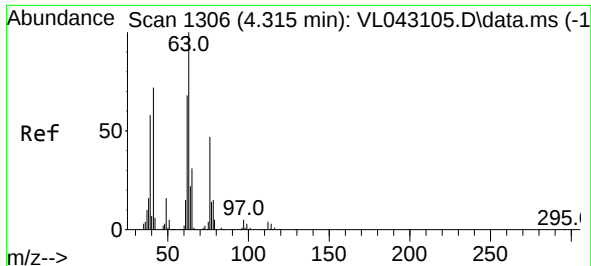
Tgt Ion: 78 Resp: 16826  
Ion Ratio Lower Upper  
78 100  
77 17.7 17.0 25.6  
50 16.3 14.6 22.0



#37  
1,2-Dichloroethane  
Concen: 0.091 ppbv  
RT: 3.221 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

Tgt Ion: 62 Resp: 1636  
Ion Ratio Lower Upper  
62 100  
98 5.2 5.8 8.6#





#39

1,2-Dichloropropane

Concen: 7.358 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.359 min

Lab File: VL043165.D

Acq: 06 Nov 2025 13:50

Instrument :

MSVOA\_L

ClientSampleId :

141-IA2

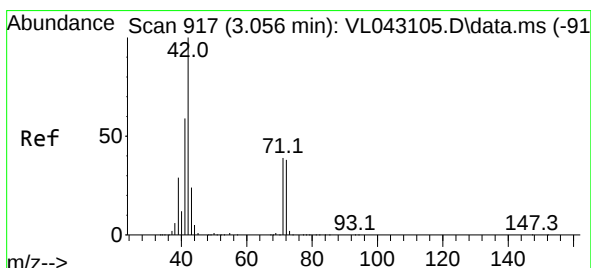
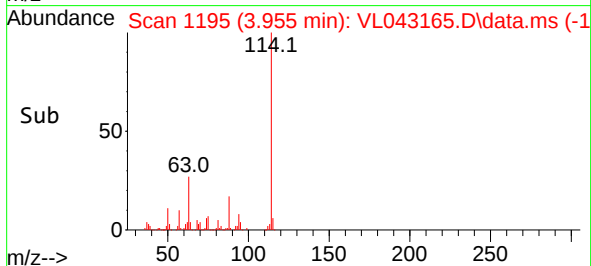
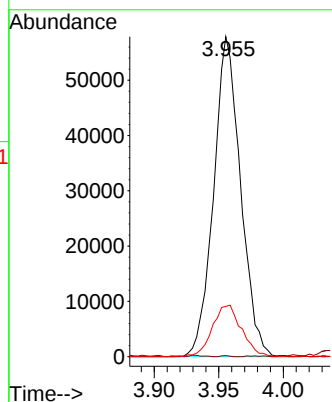
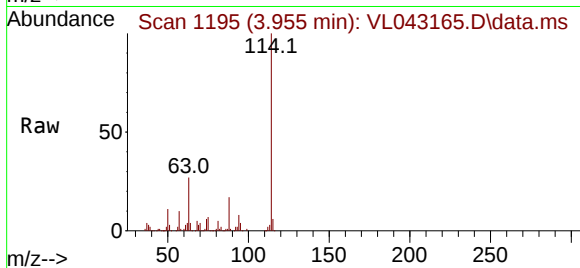
Tgt Ion: 63 Resp: 83837

Ion Ratio Lower Upper

63 100

41 0.1 58.0 87.0#

62 15.7 54.7 82.1#



#41

Tetrahydrofuran

Concen: 0.156 ppbv

RT: 3.062 min Scan# 919

Delta R.T. 0.006 min

Lab File: VL043165.D

Acq: 06 Nov 2025 13:50

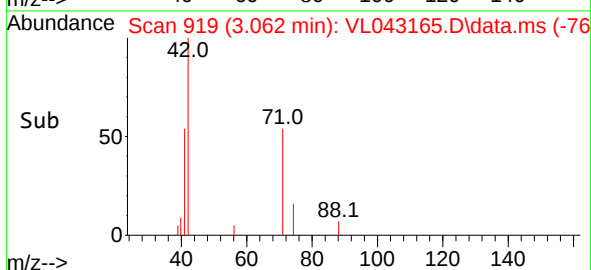
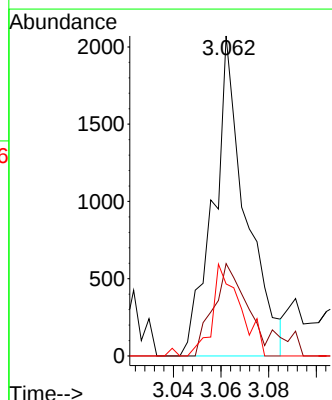
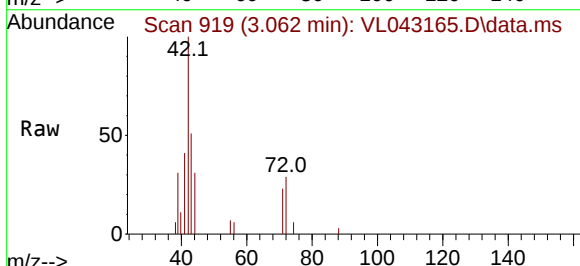
Tgt Ion: 42 Resp: 1943

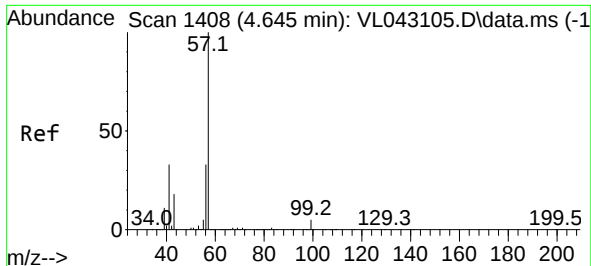
Ion Ratio Lower Upper

42 100

72 34.8 31.3 46.9

71 25.3 30.4 45.6#





#44

2,2,4-Trimethylpentane

Concen: 0.478 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. -0.007 min

Lab File: VL043165.D

Acq: 06 Nov 2025 13:50

Instrument :

MSVOA\_L

ClientSampleId :

141-IA2

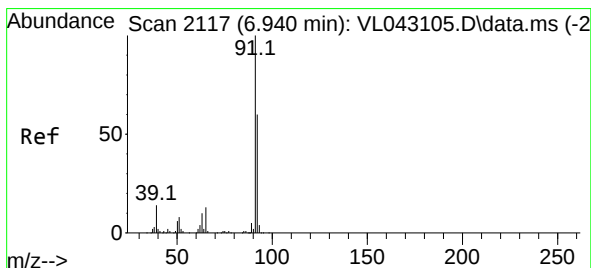
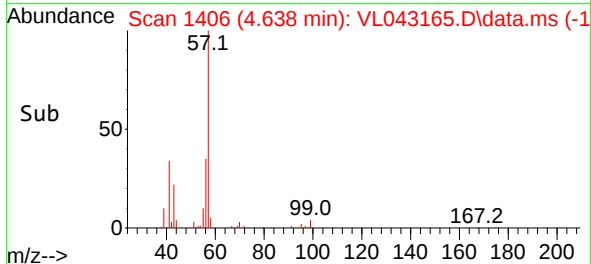
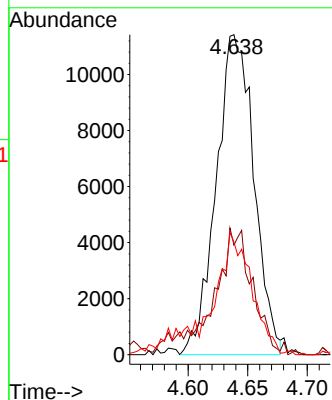
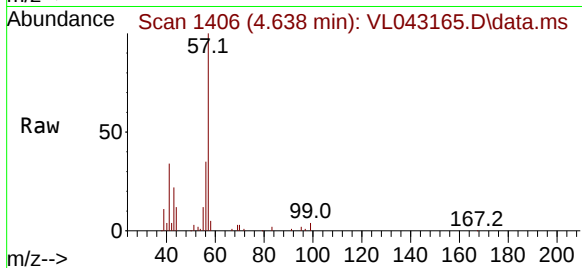
Tgt Ion: 57 Resp: 25124

Ion Ratio Lower Upper

57 100

41 42.1 26.3 39.5#

56 42.2 25.9 38.9#



#53

Toluene

Concen: 0.904 ppbv

RT: 6.933 min Scan# 2115

Delta R.T. -0.007 min

Lab File: VL043165.D

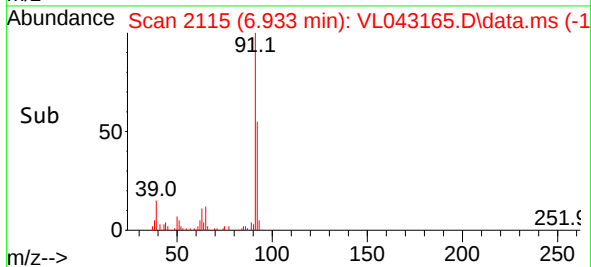
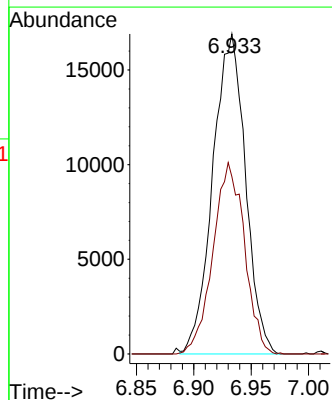
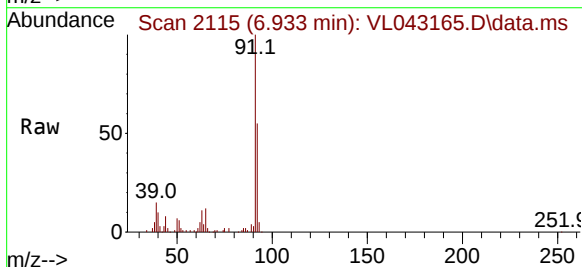
Acq: 06 Nov 2025 13:50

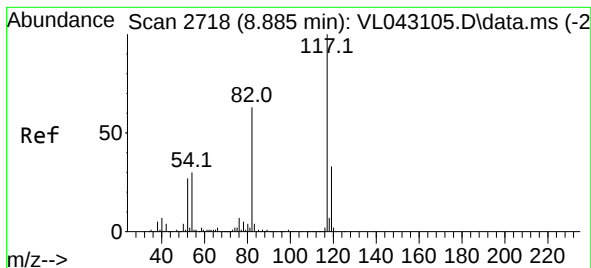
Tgt Ion: 91 Resp: 33445

Ion Ratio Lower Upper

91 100

92 57.6 48.8 73.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL043165.D

Acq: 06 Nov 2025 13:50

Instrument :

MSVOA\_L

ClientSampleId :

141-IA2

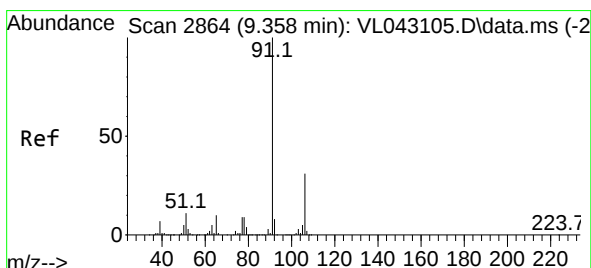
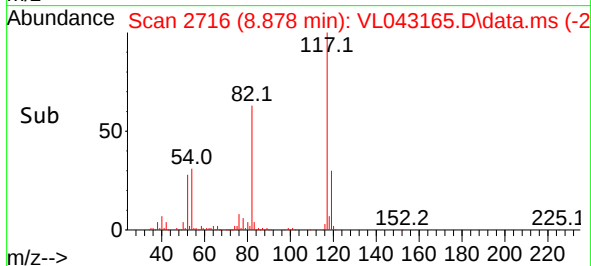
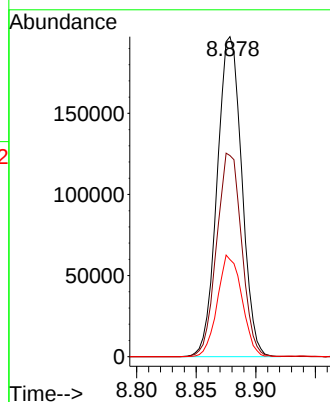
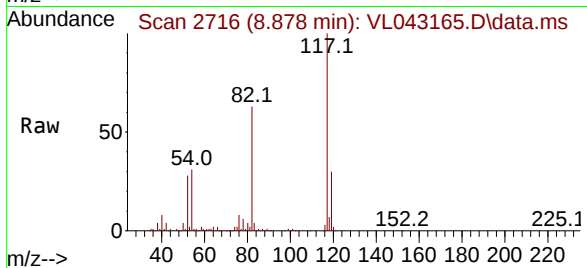
Tgt Ion:117 Resp: 283774

Ion Ratio Lower Upper

117 100

82 64.5 53.8 80.8

119 31.8 25.4 38.0



#58

Ethyl Benzene

Concen: 0.153 ppbv

RT: 9.351 min Scan# 2862

Delta R.T. -0.007 min

Lab File: VL043165.D

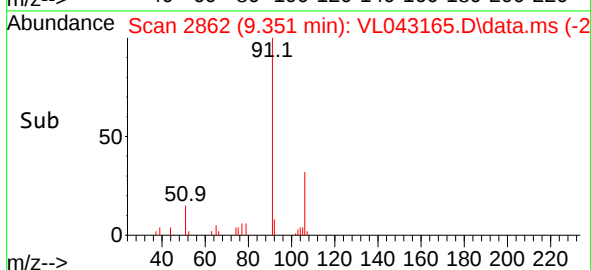
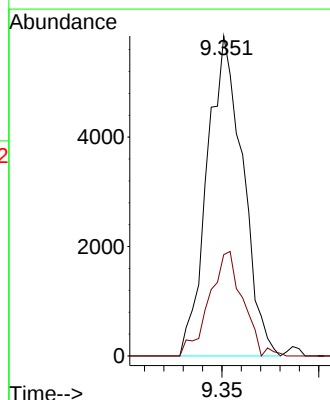
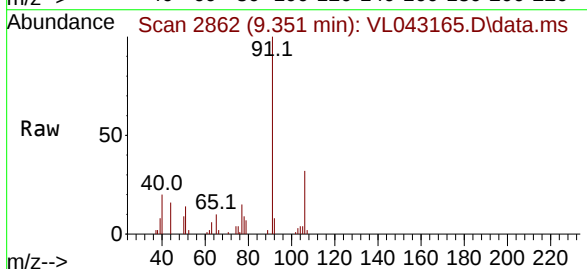
Acq: 06 Nov 2025 13:50

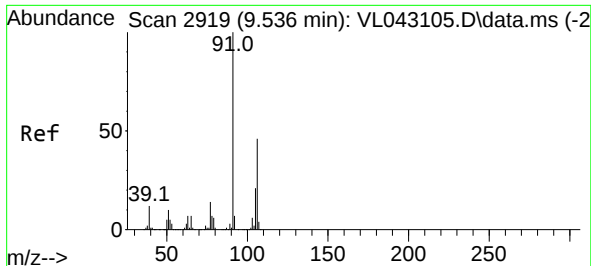
Tgt Ion: 91 Resp: 7473

Ion Ratio Lower Upper

91 100

106 31.7 24.8 37.2





#59

m/p-Xylene

Concen: 0.437 ppbv

RT: 9.532 min Scan# 2919

Delta R.T. -0.003 min

Lab File: VL043165.D

Acq: 06 Nov 2025 13:50

Instrument :

MSVOA\_L

ClientSampleId :

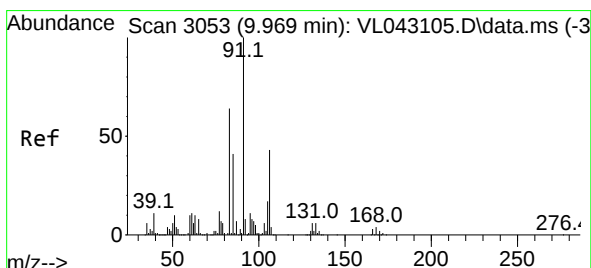
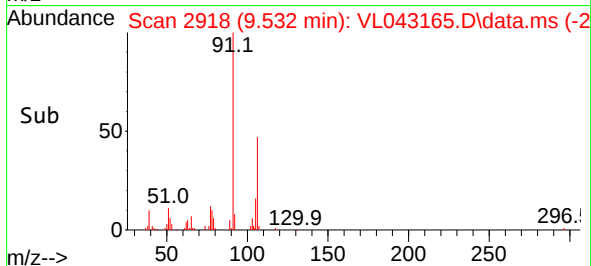
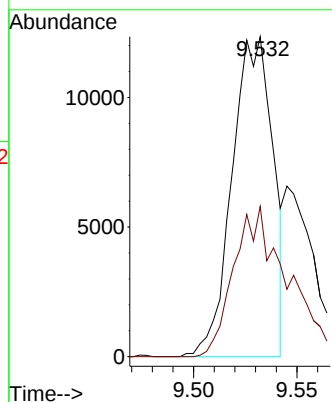
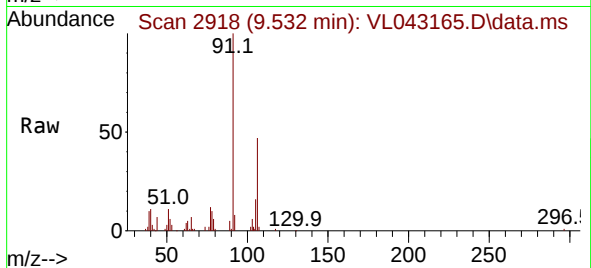
141-IA2

Tgt Ion: 91 Resp: 16991

Ion Ratio Lower Upper

91 100

106 61.3 38.0 57.0#



#60

o-Xylene

Concen: 0.249 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.010 min

Lab File: VL043165.D

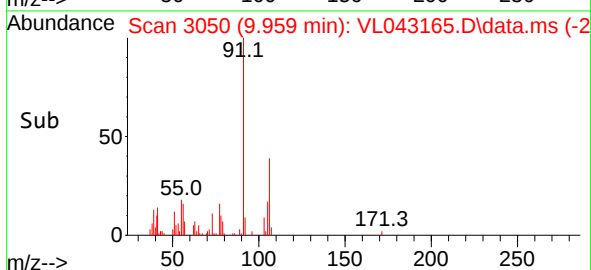
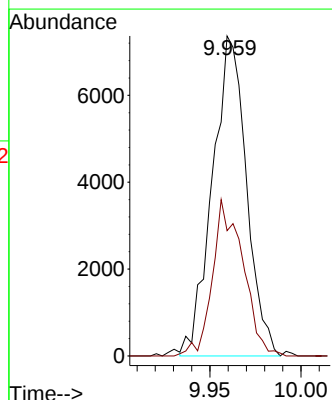
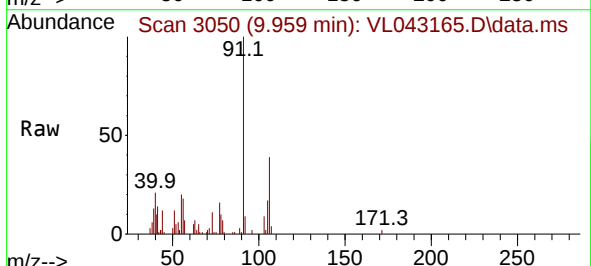
Acq: 06 Nov 2025 13:50

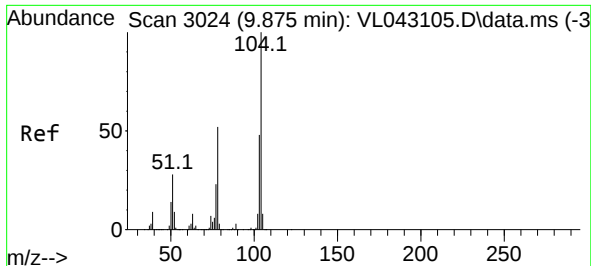
Tgt Ion: 91 Resp: 9569

Ion Ratio Lower Upper

91 100

106 43.8 21.9 65.8





#61

Styrene

Concen: 0.075 ppbv

RT: 9.872 min Scan# 3024

Delta R.T. -0.003 min

Lab File: VL043165.D

Acq: 06 Nov 2025 13:50

Instrument :

MSVOA\_L

ClientSampleId :

141-IA2

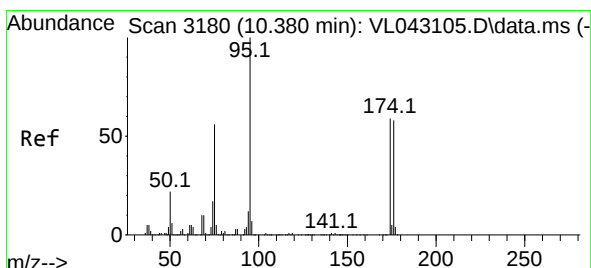
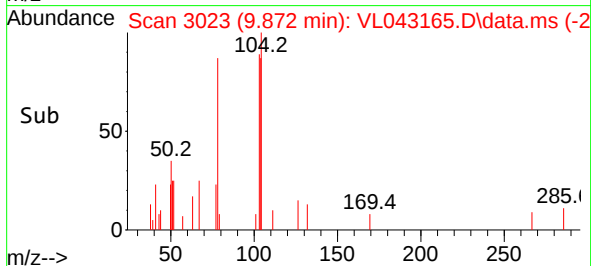
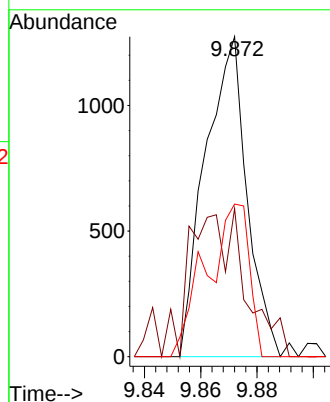
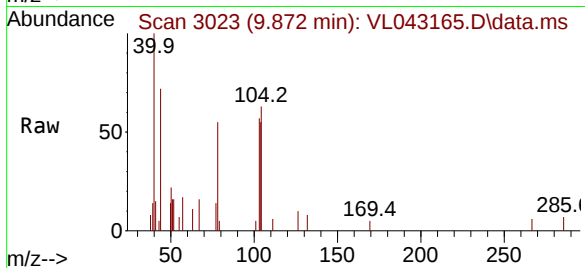
Tgt Ion:104 Resp: 1307

Ion Ratio Lower Upper

104 100

78 64.6 40.2 60.2#

103 49.0 36.9 55.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.388 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.007 min

Lab File: VL043165.D

Acq: 06 Nov 2025 13:50

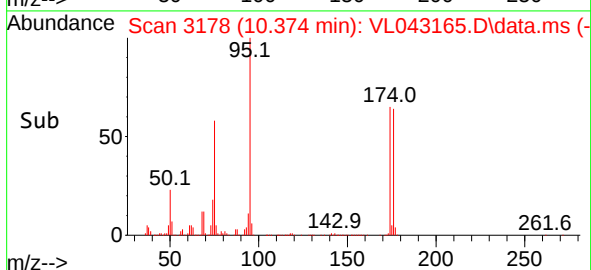
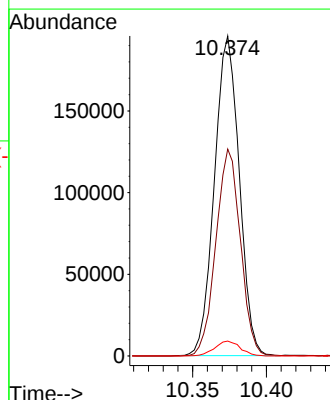
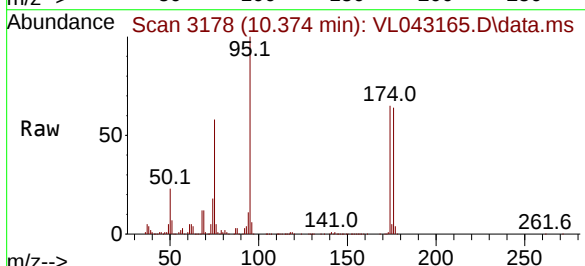
Tgt Ion: 95 Resp: 229122

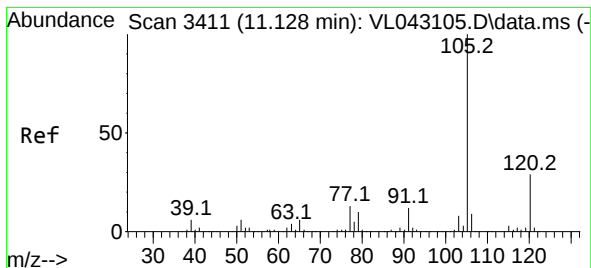
Ion Ratio Lower Upper

95 100

174 64.0 48.3 72.5

175 4.8 3.8 5.8





#72

4-Ethyltoluene

Concen: 0.039 ppbv

RT: 11.121 min Scan# 3411

Delta R.T. -0.007 min

Lab File: VL043165.D

Acq: 06 Nov 2025 13:50

Instrument :

MSVOA\_L

ClientSampleId :

141-IA2

Tgt Ion:105 Resp: 1824

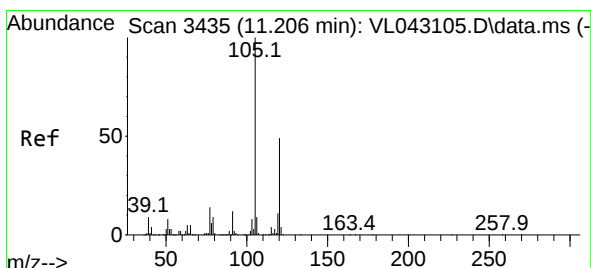
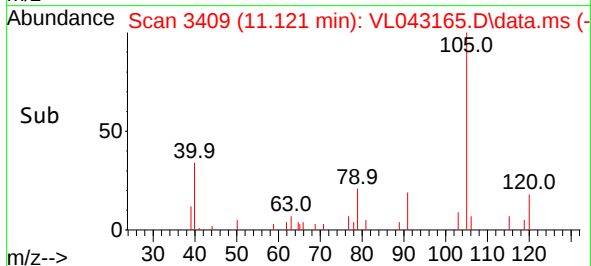
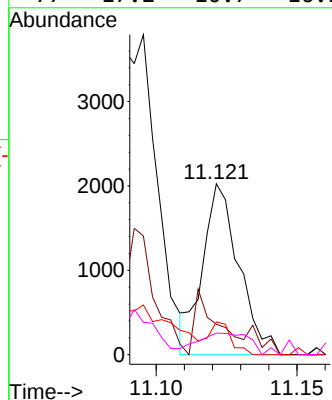
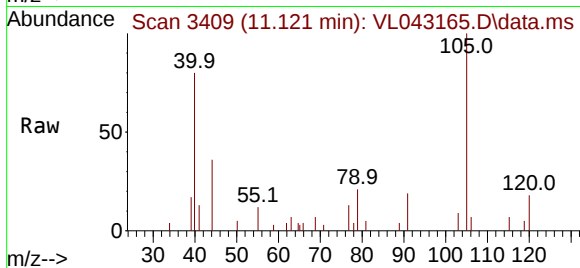
Ion Ratio Lower Upper

105 100

120 0.0 24.2 36.4#

91 0.0 10.0 15.0#

77 17.2 10.7 16.1#



#73

1,3,5-Trimethylbenzene

Concen: 0.053 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.003 min

Lab File: VL043165.D

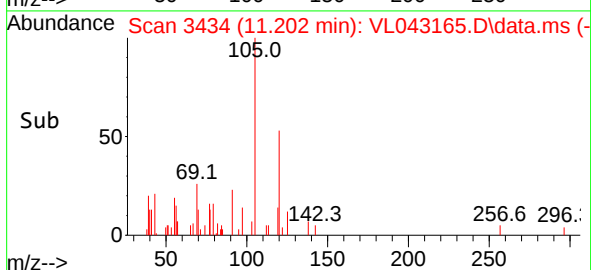
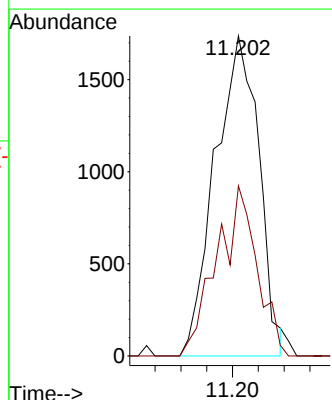
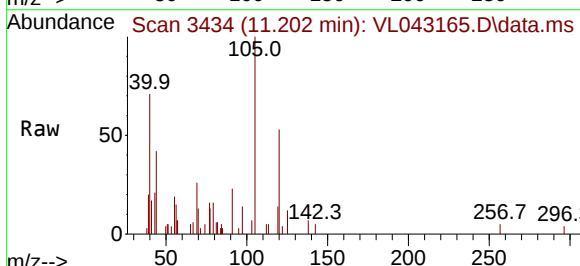
Acq: 06 Nov 2025 13:50

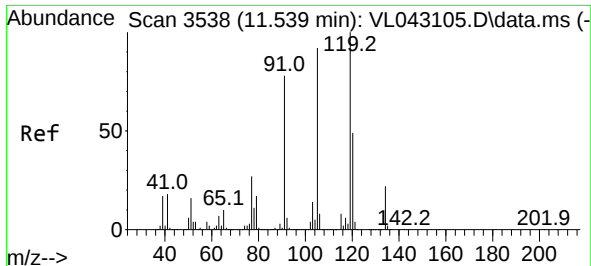
Tgt Ion:105 Resp: 2045

Ion Ratio Lower Upper

105 100

120 53.1 39.0 58.6

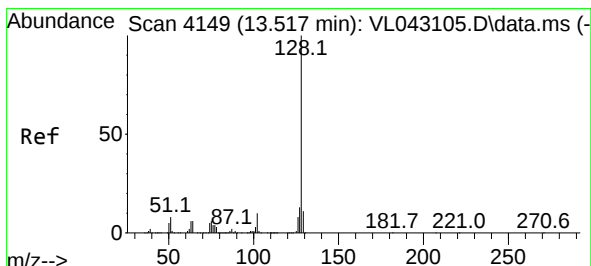
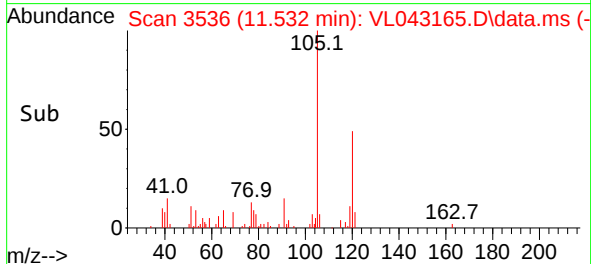
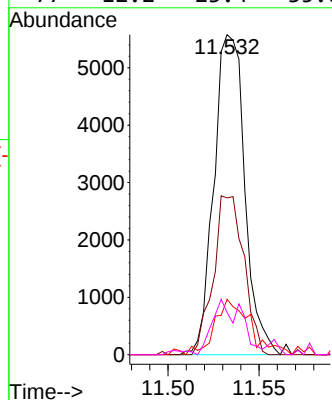
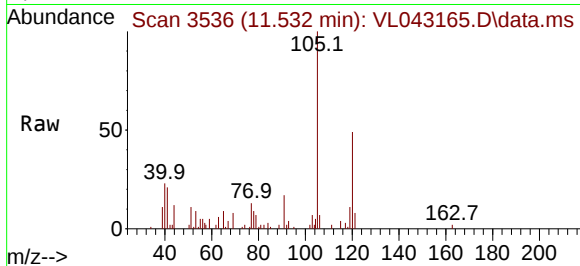




#74  
1,2,4-Trimethylbenzene  
Concen: 0.151 ppbv  
RT: 11.532 min Scan# 3536  
Delta R.T. -0.007 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

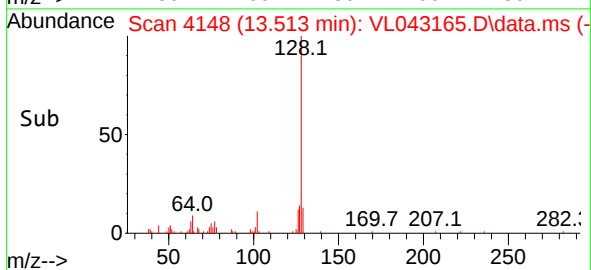
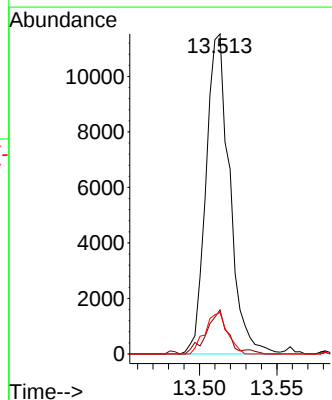
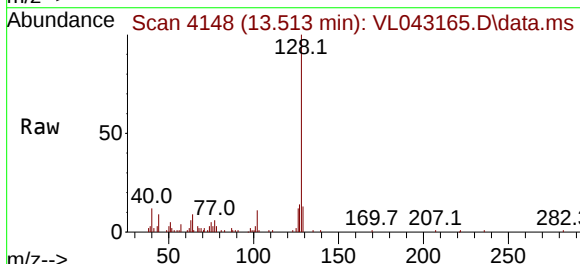
Instrument :  
MSVOA\_L  
ClientSampleId :  
141-IA2

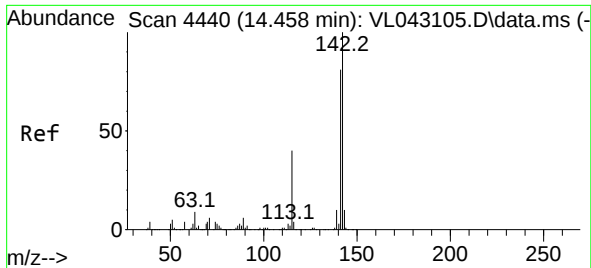
Tgt Ion:105 Resp: 6570  
Ion Ratio Lower Upper  
105 100  
120 49.0 42.8 64.2  
91 16.1 68.3 102.5#  
77 12.2 23.4 35.0#



#79  
Naphthalene  
Concen: 0.269 ppbv  
RT: 13.513 min Scan# 4148  
Delta R.T. -0.003 min  
Lab File: VL043165.D  
Acq: 06 Nov 2025 13:50

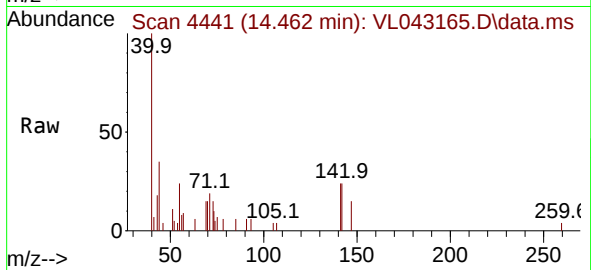
Tgt Ion:128 Resp: 12262  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.5 15.7  
129 13.0 9.1 13.7





#80  
 Naphthalene, 2-methyl-  
 Concen: 0.032 ppbv  
 RT: 14.462 min Scan# 44  
 Delta R.T. 0.003 min  
 Lab File: VL043165.D  
 Acq: 06 Nov 2025 13:50

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 141-IA2



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 375   |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 107.7 | 64.6  | 97.0# |
| 115      | 4.5   | 30.2  | 45.4# |

