

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL061625\  
 Data File : VL042627.D  
 Acq On : 16 Jun 2025 14:01  
 Operator : SY/MD  
 Sample : Q2317-01DUP  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 AA-3DUP

Quant Time: Jun 17 03:05:15 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri May 30 02:01:56 2025  
 Response via : Initial Calibration

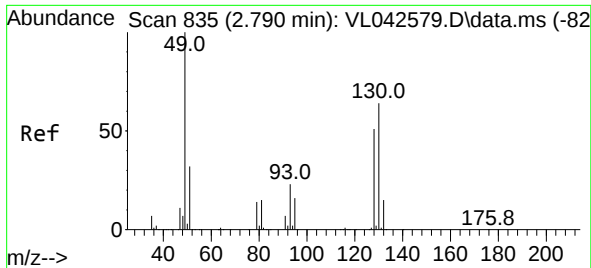
| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 104604   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.955 | 114  | 283556   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.882 | 117  | 252613   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 194543   | 10.273   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.700% |

| Target Compounds              |        |     |        |        |        | Qvalue |
|-------------------------------|--------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.496  | 85  | 6247   | 0.486  | ppbv   | 95     |
| 3) Chlorodifluoromethane      | 1.476  | 51  | 15236  | 0.860  | ppbv # | 82     |
| 4) Chloromethane              | 1.531  | 50  | 2768   | 0.544  | ppbv   | 91     |
| 5) Vinyl Chloride             | 1.486  | 62  | 260    | 0.050  | ppbv # | 68     |
| 9) Propene                    | 1.486  | 41  | 5228   | 0.733  | ppbv   | 95     |
| 10) Heptane                   | 4.965  | 43  | 1487   | 0.074  | ppbv # | 28     |
| 11) Trichlorofluoromethane    | 1.877  | 101 | 3327   | 0.278  | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140  | 101 | 712    | 0.076  | ppbv # | 42     |
| 13) Ethanol                   | 1.719  | 45  | 14346  | 16.882 | ppbv   | 94     |
| 15) Acetone                   | 1.835  | 43  | 134074 | 10.641 | ppbv   | 97     |
| 16) 1,3-Butadiene             | 1.599  | 39  | 772    | 0.129  | ppbv # | 38     |
| 17) tert-Butyl alcohol        | 2.039  | 59  | 1997   | 0.152  | ppbv # | 72     |
| 19) Isopropyl Alcohol         | 1.887  | 45  | 7289   | 0.968  | ppbv # | 1      |
| 20) Methylene Chloride        | 2.062  | 84  | 13551  | 3.259  | ppbv   | 94     |
| 21) Allyl Chloride            | 2.059  | 41  | 742    | 0.083  | ppbv # | 21     |
| 23) Vinyl Acetate             | 2.450  | 43  | 9643   | 0.566  | ppbv # | 93     |
| 25) Ethyl Acetate             | 2.826  | 43  | 57182  | 1.658  | ppbv # | 79     |
| 26) Hexane                    | 2.826  | 57  | 77534  | 4.949  | ppbv # | 43     |
| 27) Carbon Disulfide          | 2.149  | 76  | 363    | 0.030  | ppbv # | 1      |
| 29) Chloroform                | 2.848  | 83  | 923    | 0.045  | ppbv # | 80     |
| 34) 2-Butanone                | 2.560  | 43  | 12371  | 0.612  | ppbv   | 96     |
| 36) Benzene                   | 3.651  | 78  | 8632   | 0.309  | ppbv # | 91     |
| 39) 1,2-Dichloropropane       | 3.959  | 63  | 72334  | 7.005  | ppbv # | 22     |
| 41) Tetrahydrofuran           | 3.056  | 42  | 3150   | 0.266  | ppbv # | 59     |
| 44) 2,2,4-Trimethylpentane    | 4.638  | 57  | 5098   | 0.107  | ppbv # | 42     |
| 50) 4-Methyl-2-Pentanone      | 5.758  | 43  | 1795   | 0.064  | ppbv # | 1      |
| 53) Toluene                   | 6.927  | 91  | 9546   | 0.296  | ppbv # | 20     |
| 58) Ethyl Benzene             | 9.354  | 91  | 4800   | 0.112  | ppbv # | 86     |
| 59) m/p-Xylene                | 9.526  | 91  | 17094  | 0.507  | ppbv   | 96     |
| 60) o-Xylene                  | 9.963  | 91  | 7978   | 0.237  | ppbv   | 94     |
| 61) Styrene                   | 9.869  | 104 | 2265   | 0.142  | ppbv   | 91     |
| 72) 4-Ethyltoluene            | 11.125 | 105 | 1930   | 0.046  | ppbv # | 55     |
| 73) 1,3,5-Trimethylbenzene    | 11.202 | 105 | 1566   | 0.045  | ppbv   | 96     |
| 74) 1,2,4-Trimethylbenzene    | 11.532 | 105 | 6660   | 0.173  | ppbv # | 70     |
| 79) Naphthalene               | 13.513 | 128 | 1205   | 0.033  | ppbv # | 96     |

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

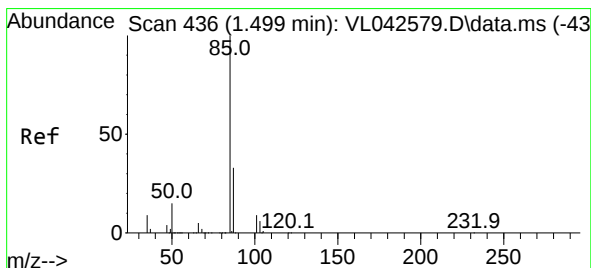
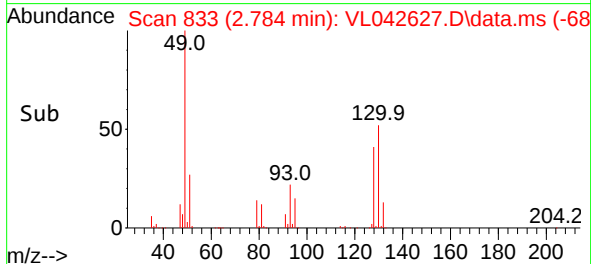
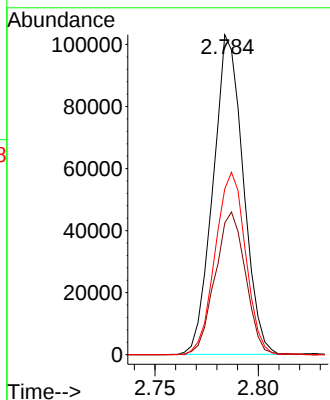
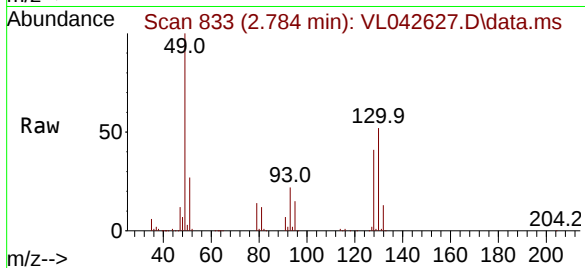




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

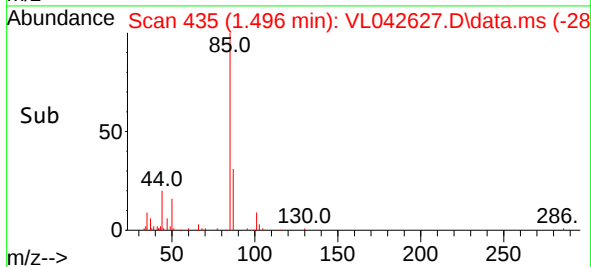
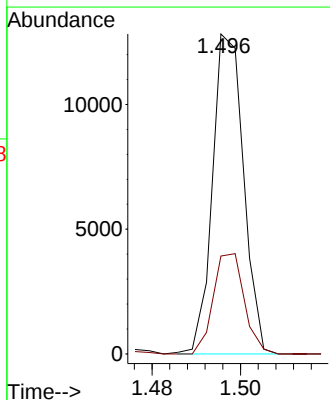
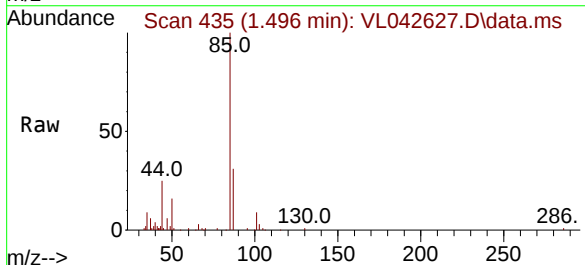
Instrument :  
MSVOA\_L  
ClientSampleId :  
AA-3DUP

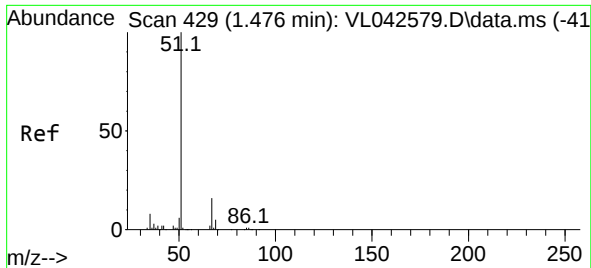
Tgt Ion: 49 Resp: 104604  
Ion Ratio Lower Upper  
49 100  
128 45.0 24.2 72.6  
130 57.6 30.4 91.2



#2  
Dichlorodifluoromethane  
Concen: 0.486 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion: 85 Resp: 6247  
Ion Ratio Lower Upper  
85 100  
87 30.6 26.6 39.8

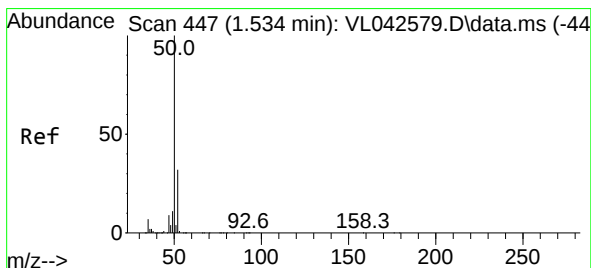
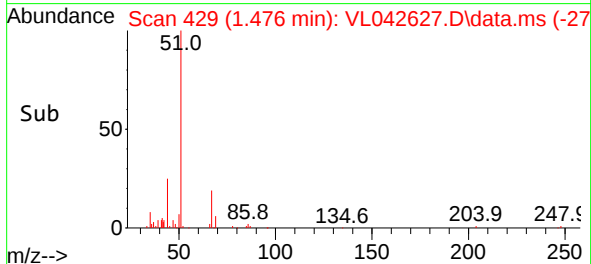
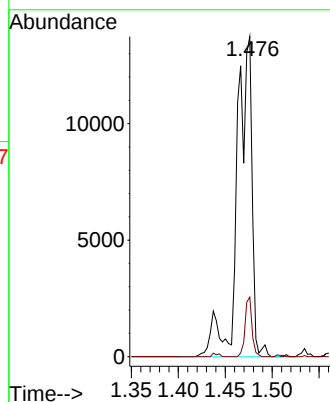
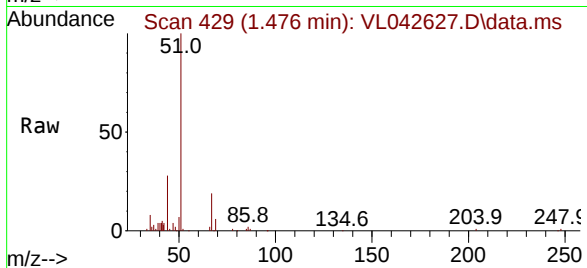




#3  
Chlorodifluoromethane  
Concen: 0.860 ppbv  
RT: 1.476 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

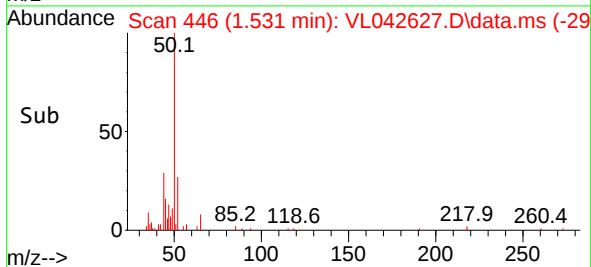
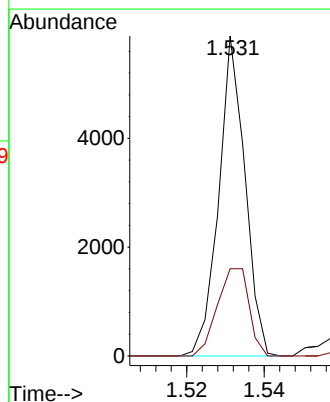
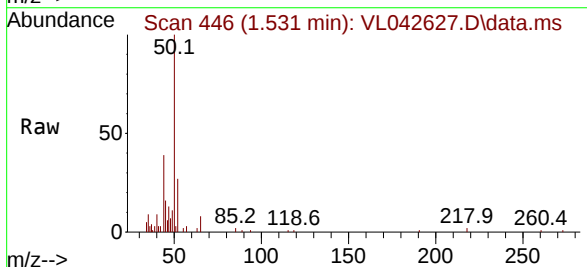
Instrument :  
MSVOA\_L  
ClientSampleId :  
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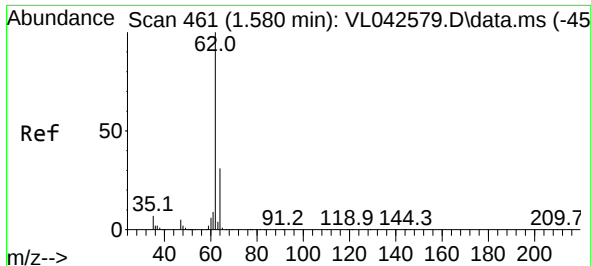
Tgt Ion: 51 Resp: 15236  
Ion Ratio Lower Upper  
51 100  
67 9.0 13.4 20.2#



#4  
Chloromethane  
Concen: 0.544 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.003 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion: 50 Resp: 2768  
Ion Ratio Lower Upper  
50 100  
52 27.3 25.8 38.6

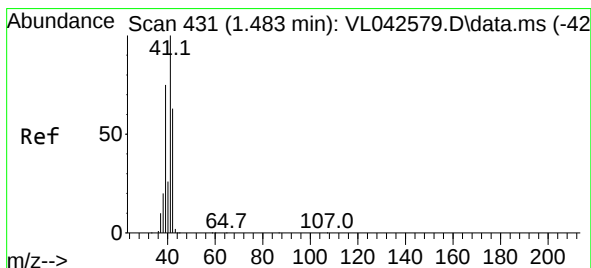
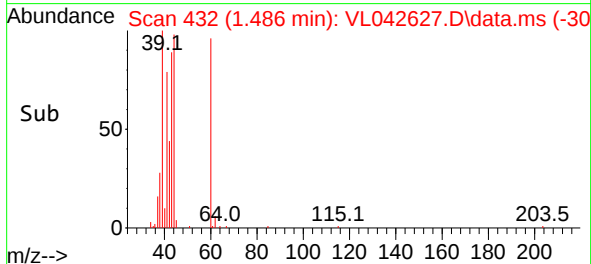
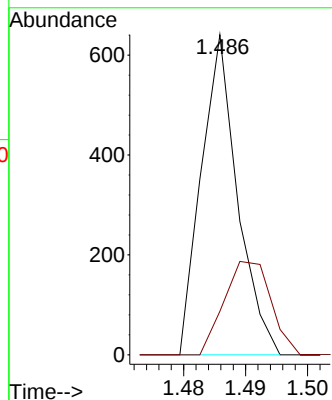
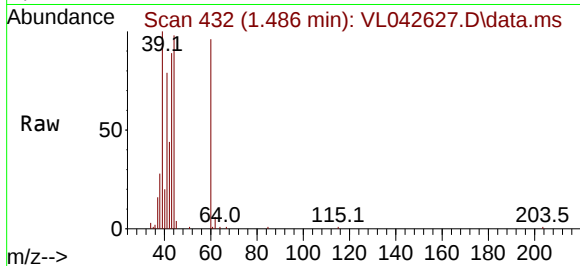




#5  
 Vinyl Chloride  
 Concen: 0.050 ppbv  
 RT: 1.486 min Scan# 41  
 Delta R.T. -0.094 min  
 Lab File: VL042627.D  
 Acq: 16 Jun 2025 14:01

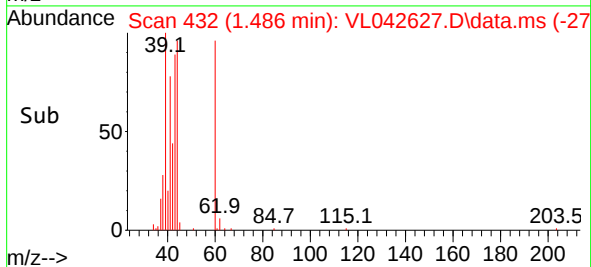
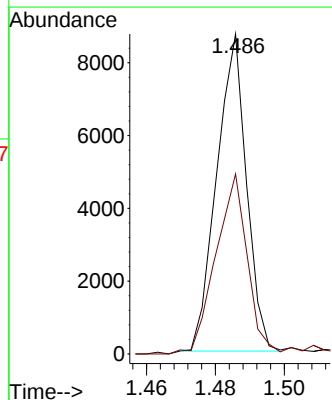
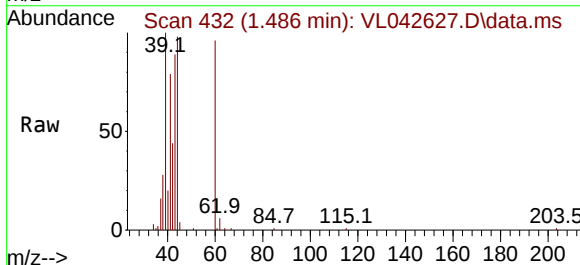
Instrument :  
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 ClientSampleId :  
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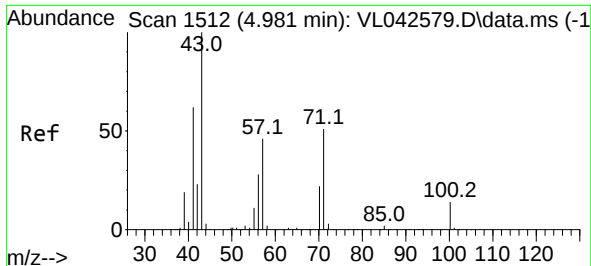
Tgt Ion: 62 Resp: 260  
 Ion Ratio Lower Upper  
 62 100  
 64 13.6 24.9 37.3#



#9  
 Propene  
 Concen: 0.733 ppbv  
 RT: 1.486 min Scan# 432  
 Delta R.T. 0.003 min  
 Lab File: VL042627.D  
 Acq: 16 Jun 2025 14:01

Tgt Ion: 41 Resp: 5228  
 Ion Ratio Lower Upper  
 41 100  
 42 62.4 53.3 79.9

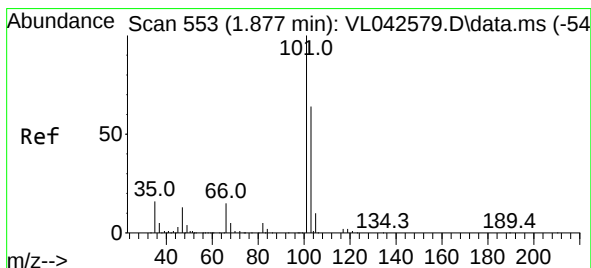
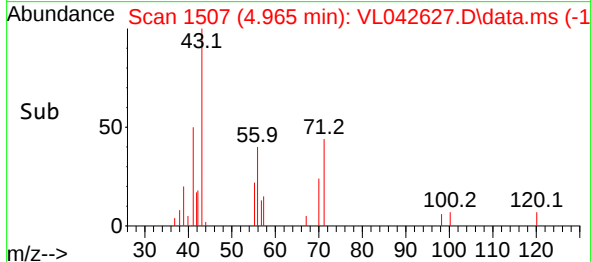
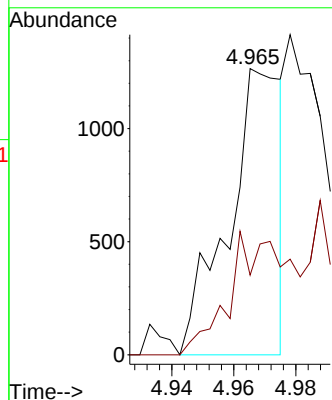
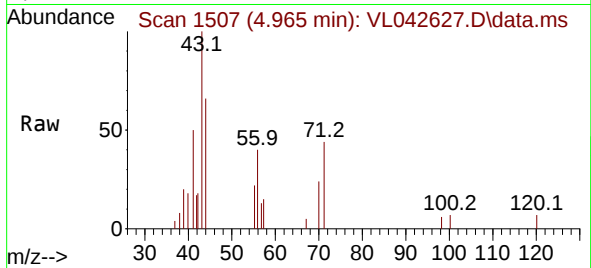




#10  
Heptane  
Concen: 0.074 ppbv  
RT: 4.965 min Scan# 11  
Delta R.T. -0.016 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

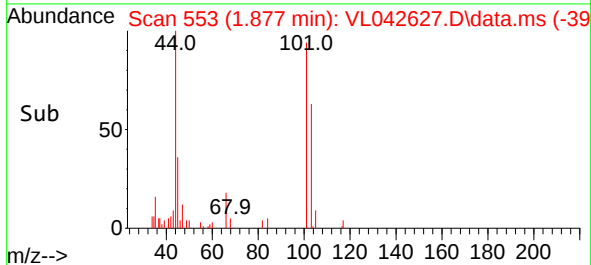
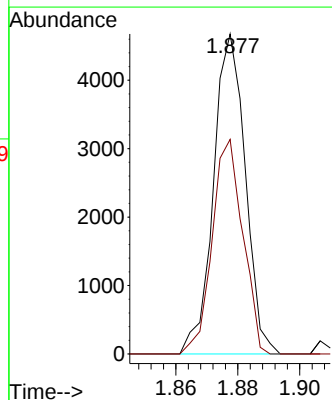
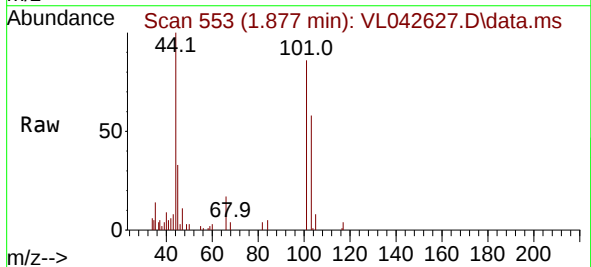
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ClientSampleId :  
AA-3DUP

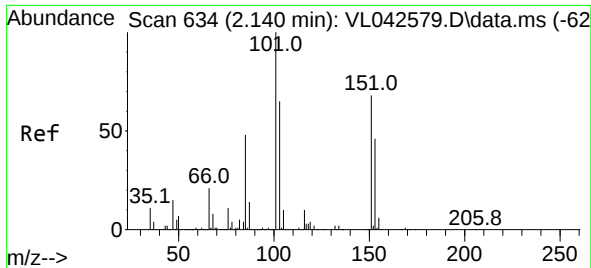
Tgt Ion: 43 Resp: 1487  
Ion Ratio Lower Upper  
43 100  
57 0.0 38.9 58.3#



#11  
Trichlorofluoromethane  
Concen: 0.278 ppbv  
RT: 1.877 min Scan# 553  
Delta R.T. -0.000 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion:101 Resp: 3327  
Ion Ratio Lower Upper  
101 100  
103 67.0 51.5 77.3

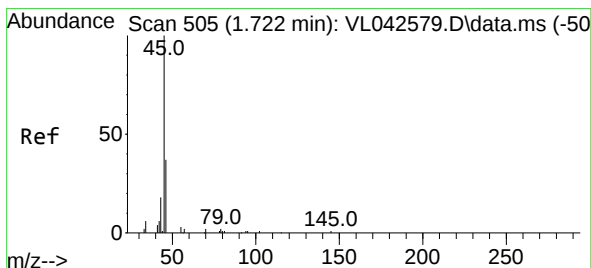
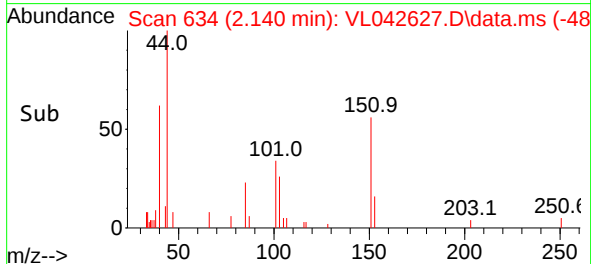
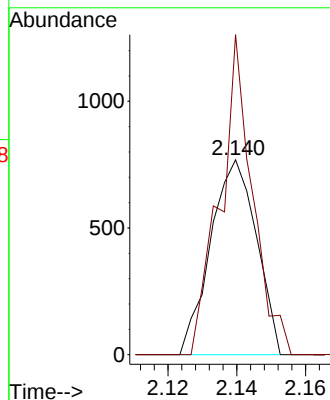
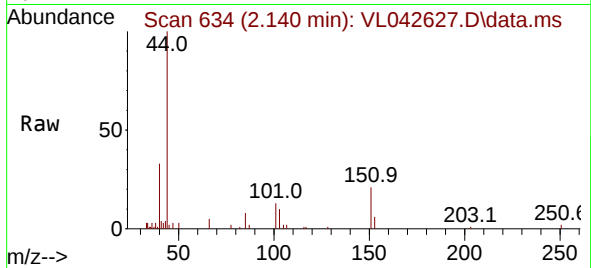




#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.076 ppbv  
 RT: 2.140 min Scan# 611  
 Delta R.T. -0.000 min  
 Lab File: VL042627.D  
 Acq: 16 Jun 2025 14:01

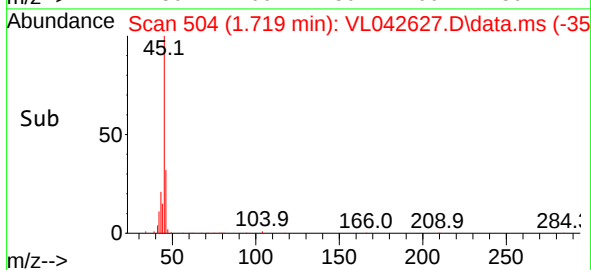
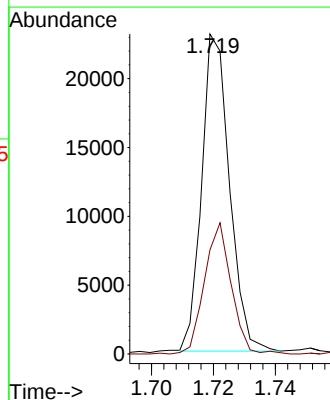
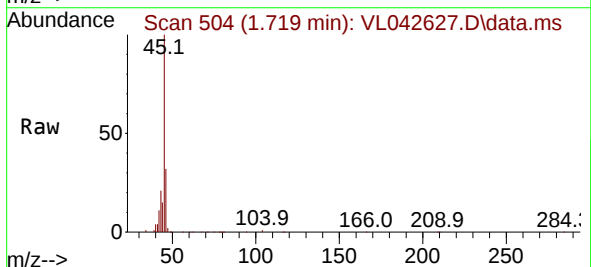
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 AA-3DUP

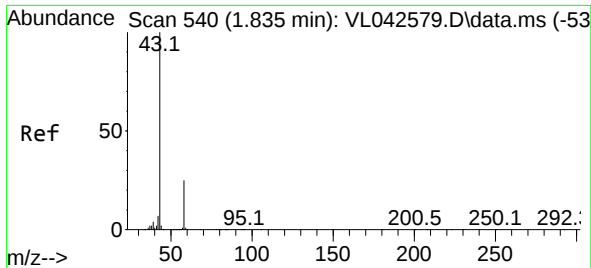
Tgt Ion:101 Resp: 712  
 Ion Ratio Lower Upper  
 101 100  
 151 116.6 55.3 82.9#



#13  
 Ethanol  
 Concen: 16.882 ppbv  
 RT: 1.719 min Scan# 504  
 Delta R.T. -0.003 min  
 Lab File: VL042627.D  
 Acq: 16 Jun 2025 14:01

Tgt Ion: 45 Resp: 14346  
 Ion Ratio Lower Upper  
 45 100  
 46 39.8 14.5 58.1

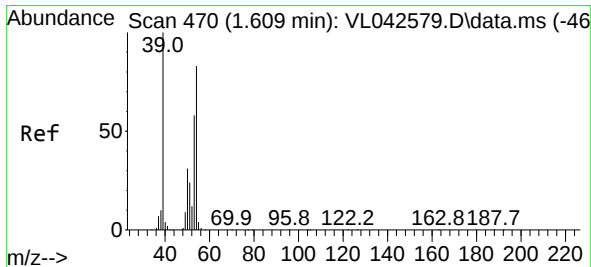
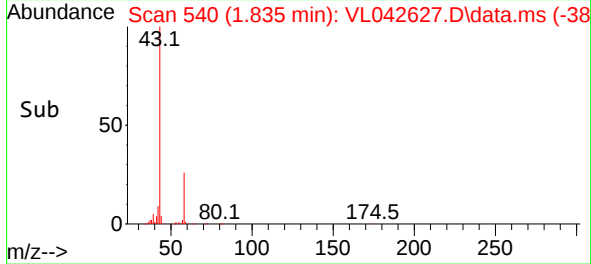
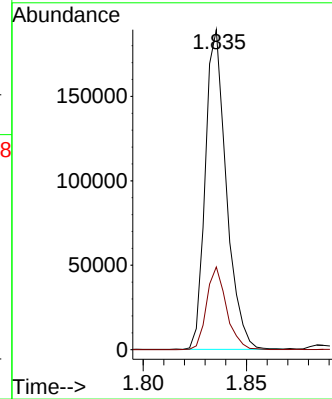
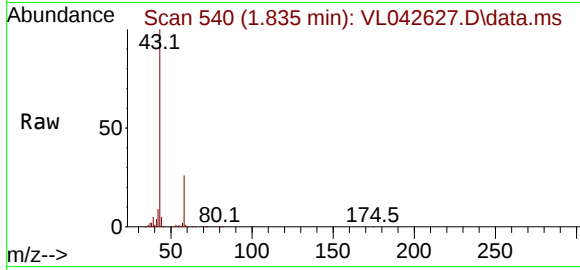




#15  
Acetone  
Concen: 10.641 ppbv  
RT: 1.835 min Scan# 540  
Delta R.T. -0.000 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

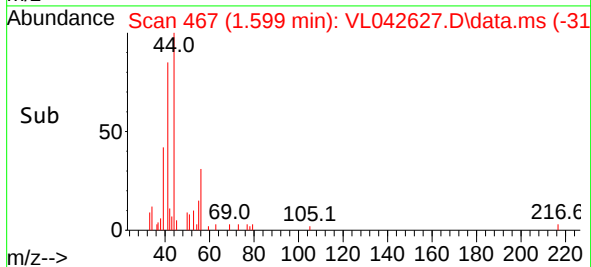
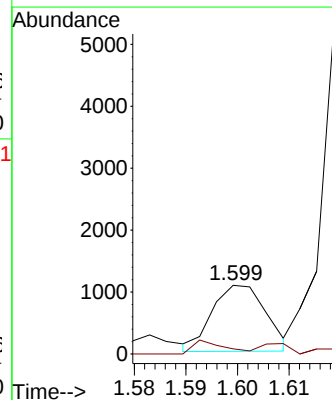
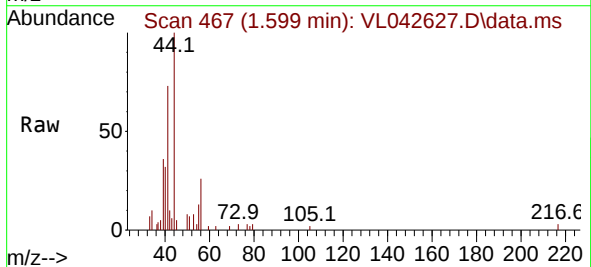
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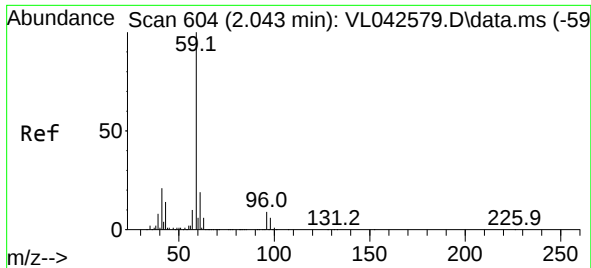
Tgt Ion: 43 Resp: 134074  
Ion Ratio Lower Upper  
43 100  
58 24.4 21.0 31.4



#16  
1,3-Butadiene  
Concen: 0.129 ppbv  
RT: 1.599 min Scan# 467  
Delta R.T. -0.010 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion: 39 Resp: 772  
Ion Ratio Lower Upper  
39 100  
54 20.9 57.9 86.9#

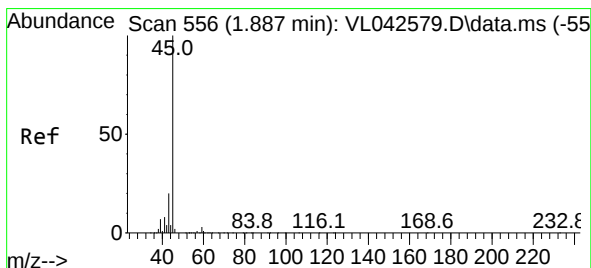
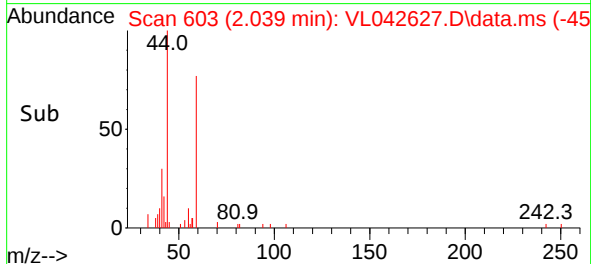
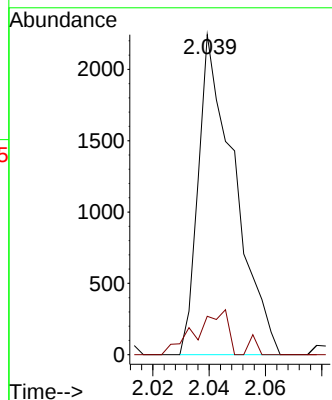
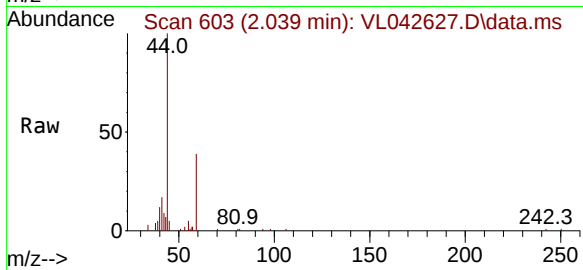




#17  
tert-Butyl alcohol  
Concen: 0.152 ppbv  
RT: 2.039 min Scan# 604  
Delta R.T. -0.003 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

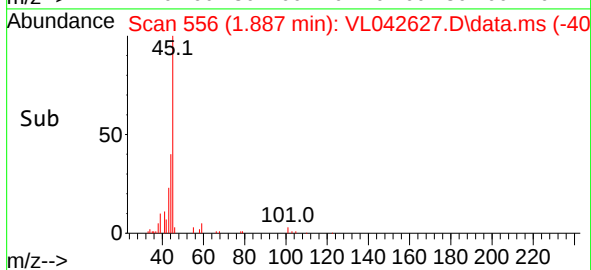
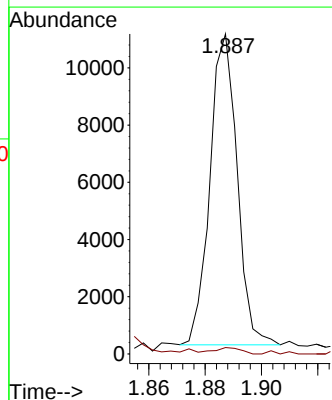
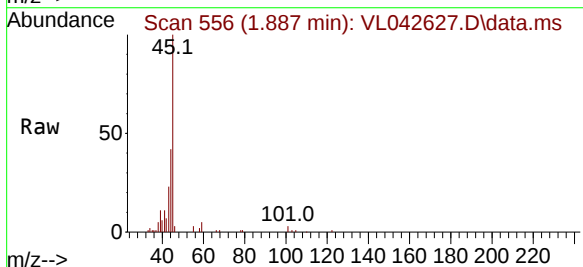
Instrument :  
MSVOA\_L  
ClientSampleId :  
AA-3DUP

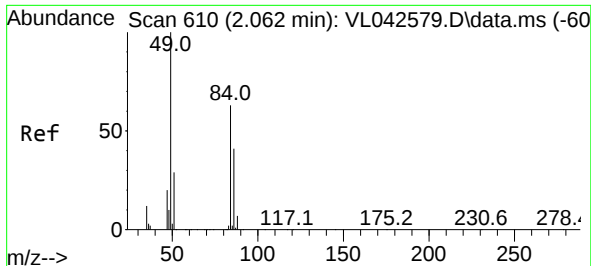
Tgt Ion: 59 Resp: 1997  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#



#19  
Isopropyl Alcohol  
Concen: 0.968 ppbv  
RT: 1.887 min Scan# 556  
Delta R.T. 0.000 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion: 45 Resp: 7289  
Ion Ratio Lower Upper  
45 100  
58 449.1 29.4 44.2#

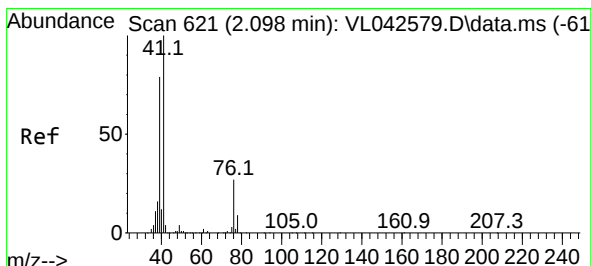
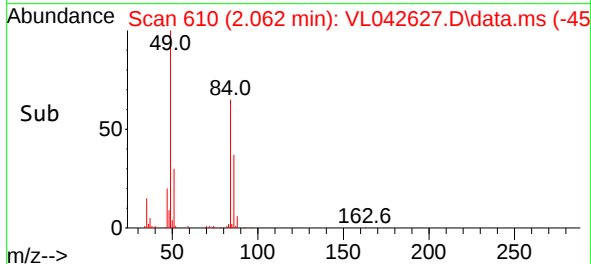
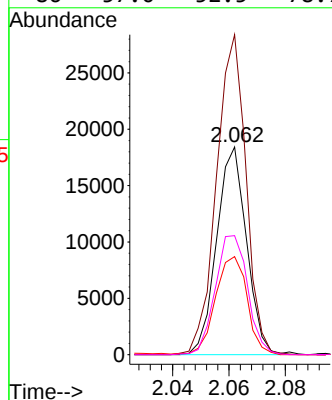
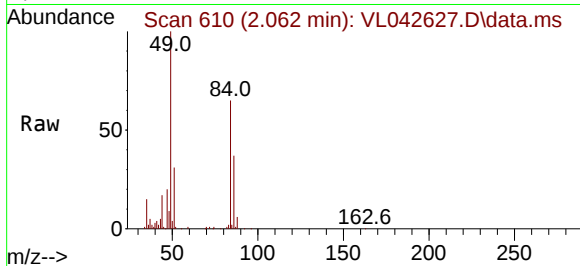




#20  
Methylene Chloride  
Concen: 3.259 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. -0.000 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

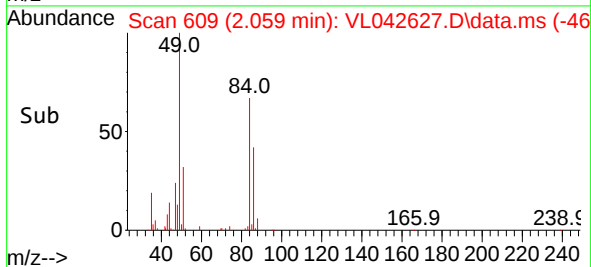
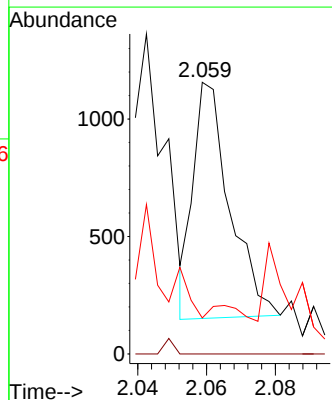
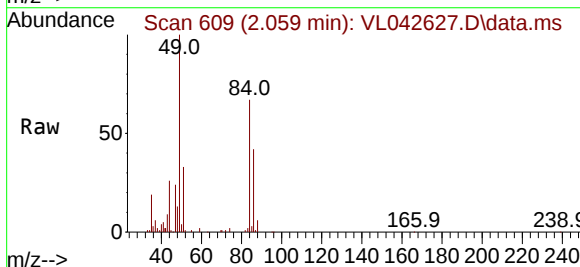
Instrument :  
MSVOA\_L  
ClientSampleId :  
AA-3DUP

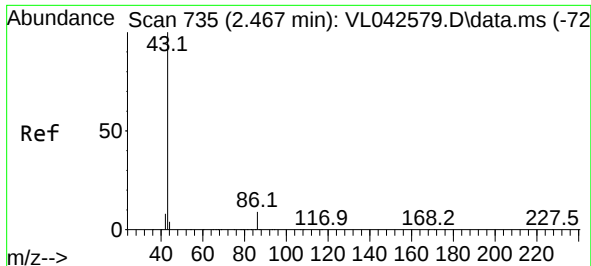
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13551 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 153.4 | 128.8 | 193.2 |
| 51       | 47.2  | 38.6  | 57.8  |
| 86       | 57.0  | 52.5  | 78.7  |



#21  
Allyl Chloride  
Concen: 0.083 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. -0.039 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 742   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 76       | 0.0   | 21.2  | 31.8# |
| 39       | 0.0   | 60.9  | 91.3# |



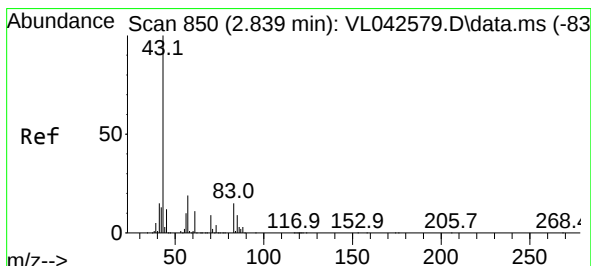
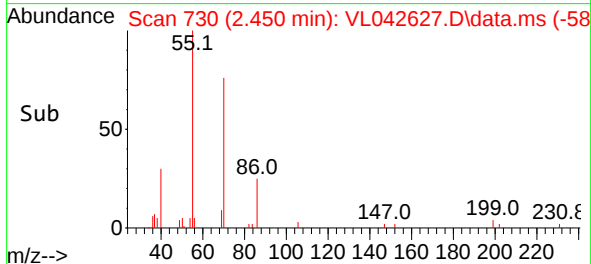
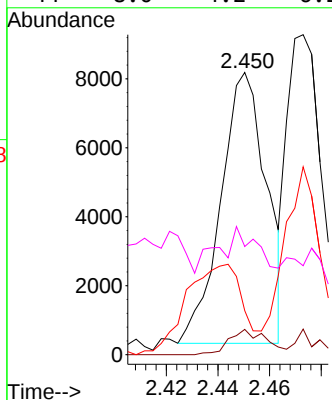
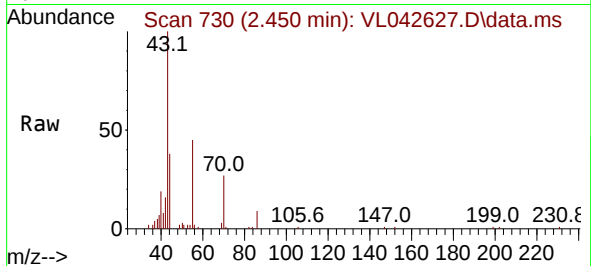


#23  
 Vinyl Acetate  
 Concen: 0.566 ppbv  
 RT: 2.450 min Scan# 71  
 Delta R.T. -0.016 min  
 Lab File: VL042627.D  
 Acq: 16 Jun 2025 14:01

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 AA-3DUP

Tgt Ion: 43 Resp: 9643

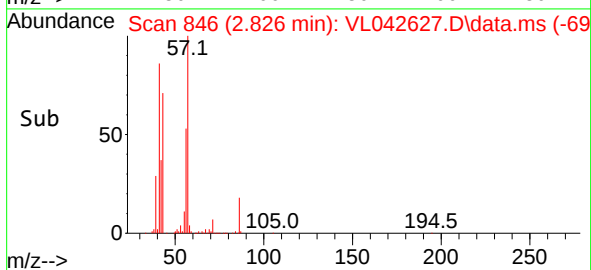
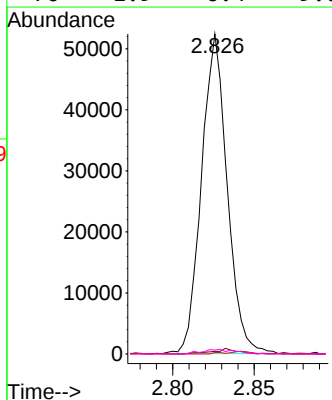
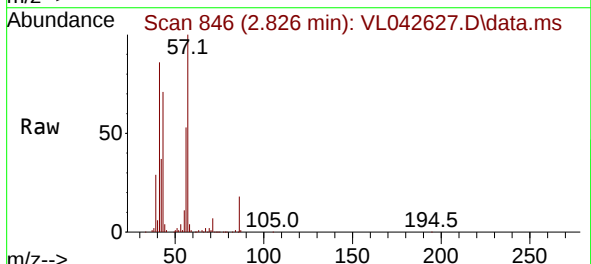
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 9.3   | 6.6   | 9.8   |
| 42  | 5.1   | 7.0   | 10.4# |
| 44  | 8.0   | 4.2   | 6.2#  |

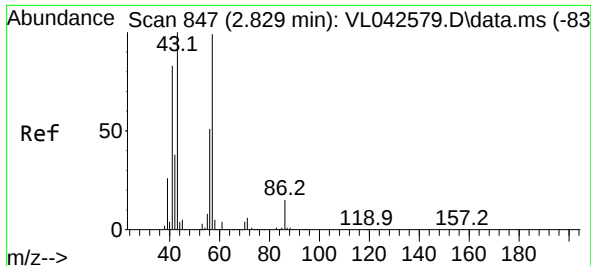


#25  
 Ethyl Acetate  
 Concen: 1.658 ppbv  
 RT: 2.826 min Scan# 846  
 Delta R.T. -0.013 min  
 Lab File: VL042627.D  
 Acq: 16 Jun 2025 14:01

Tgt Ion: 43 Resp: 57182

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 1.9   | 8.2   | 12.2# |
| 61  | 0.8   | 7.1   | 10.7# |
| 70  | 1.9   | 6.4   | 9.6#  |

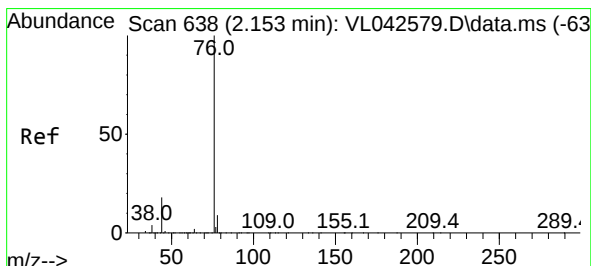
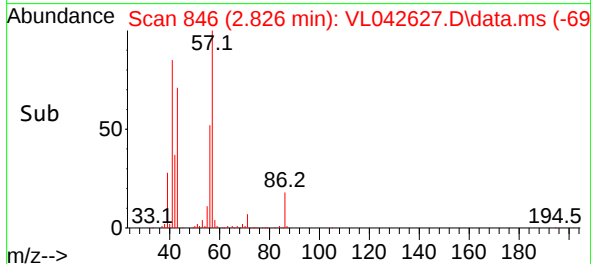
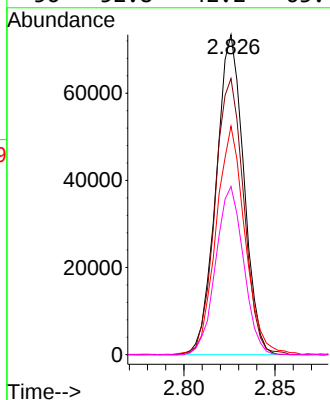
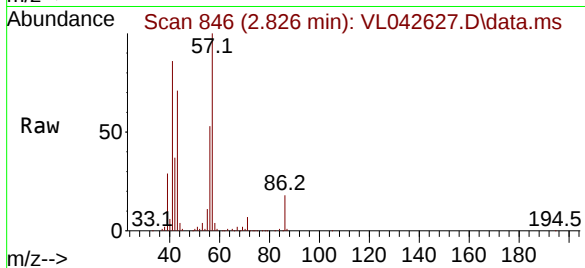




#26  
Hexane  
Concen: 4.949 ppbv  
RT: 2.826 min Scan# 847  
Delta R.T. -0.003 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

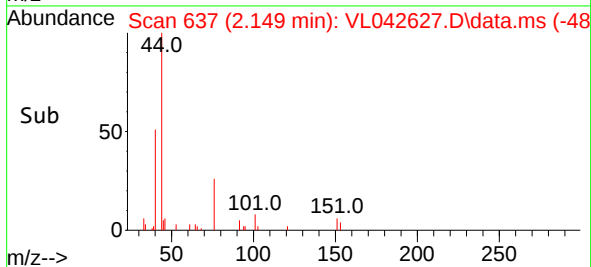
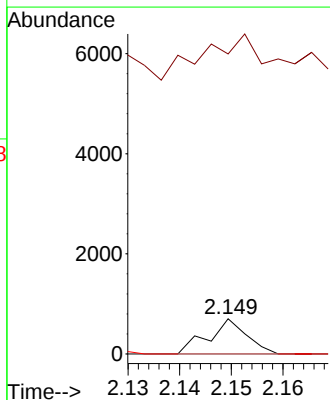
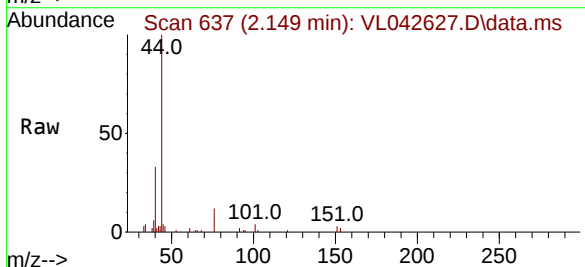
Instrument :  
MSVOA\_L  
ClientSampleId :  
AA-3DUP

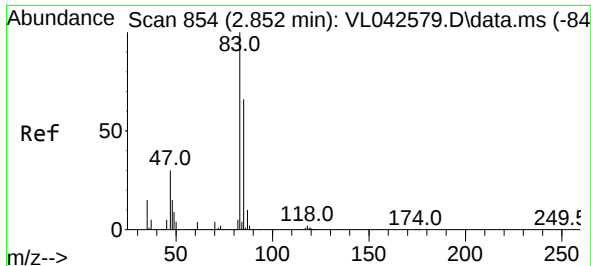
Tgt Ion: 57 Resp: 77534  
Ion Ratio Lower Upper  
57 100  
41 89.4 70.6 106.0  
43 74.5 181.1 271.7#  
56 52.8 42.2 63.4



#27  
Carbon Disulfide  
Concen: 0.030 ppbv  
RT: 2.149 min Scan# 637  
Delta R.T. -0.003 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion: 76 Resp: 363  
Ion Ratio Lower Upper  
76 100  
44 2232.8 21.3 31.9#  
78 0.0 9.4 14.0#





#29

Chloroform

Concen: 0.045 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042627.D

Acq: 16 Jun 2025 14:01

Instrument :

MSVOA\_L

ClientSampleId :

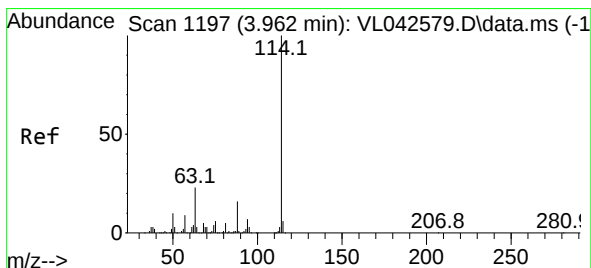
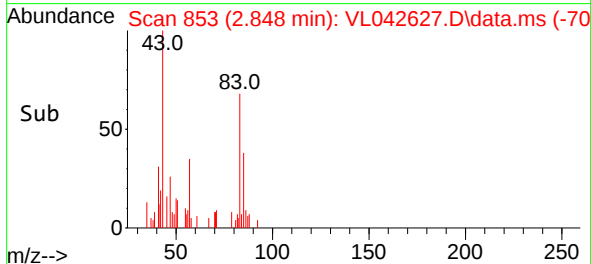
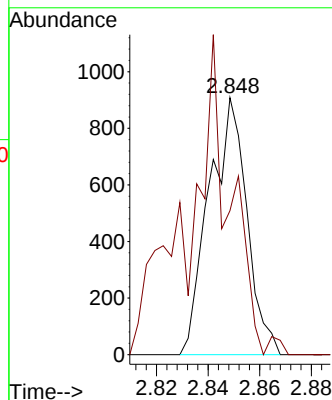
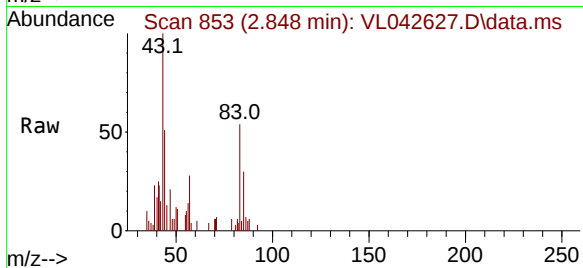
AA-3DUP

Tgt Ion: 83 Resp: 923

Ion Ratio Lower Upper

83 100

85 50.4 52.8 79.2#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.006 min

Lab File: VL042627.D

Acq: 16 Jun 2025 14:01

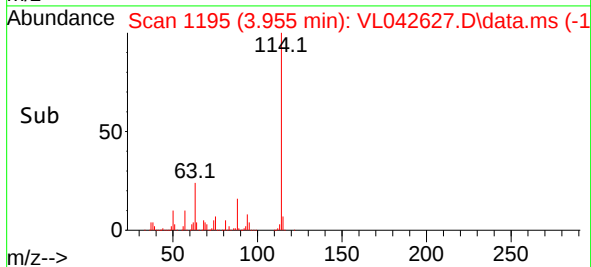
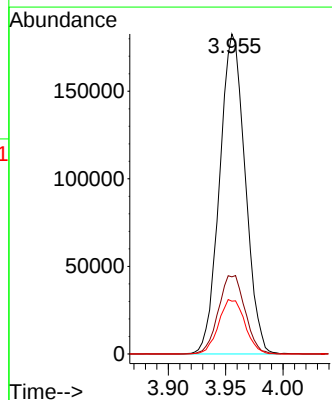
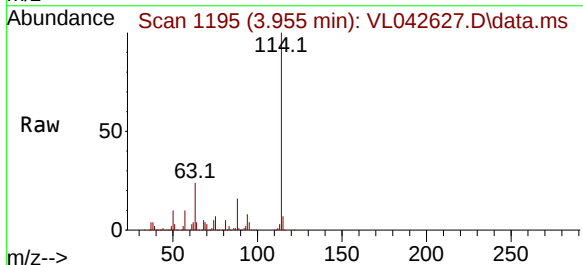
Tgt Ion: 114 Resp: 283556

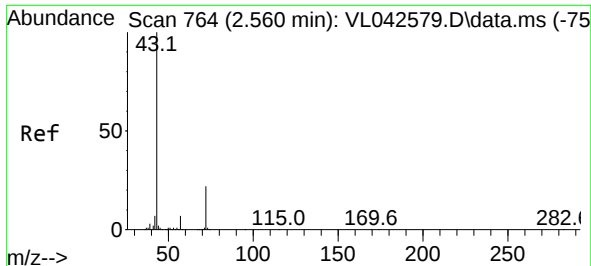
Ion Ratio Lower Upper

114 100

63 25.5 19.0 28.6

88 17.5 13.6 20.4

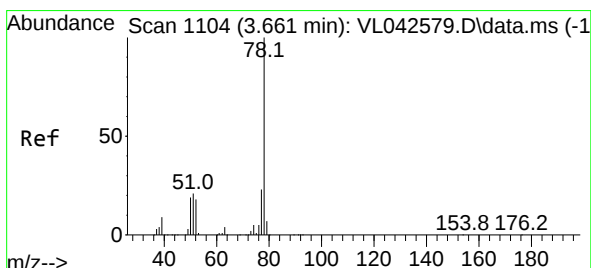
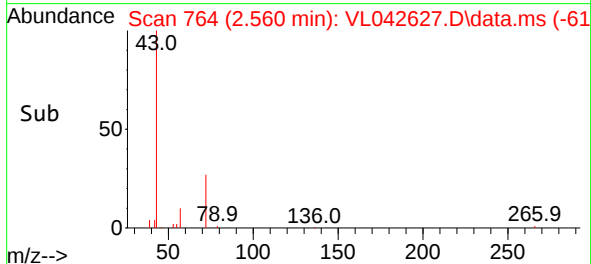
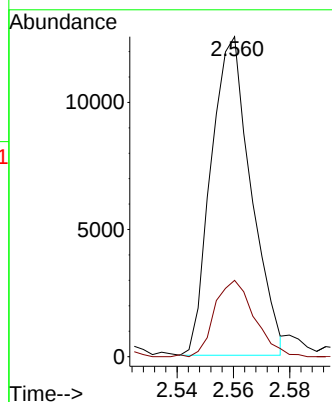
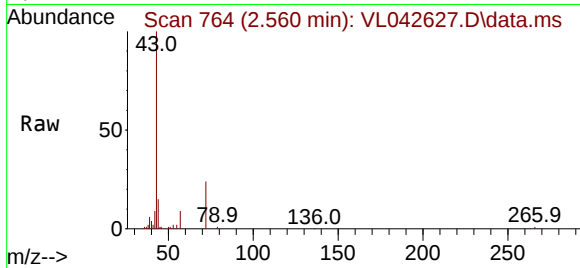




#34  
2-Butanone  
Concen: 0.612 ppbv  
RT: 2.560 min Scan# 764  
Delta R.T. -0.000 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

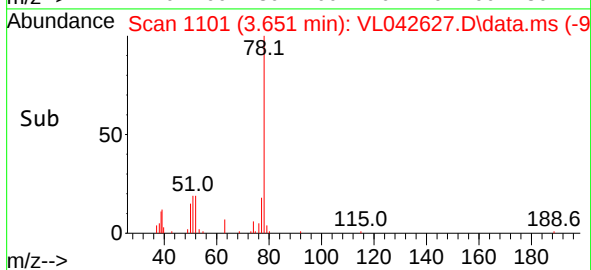
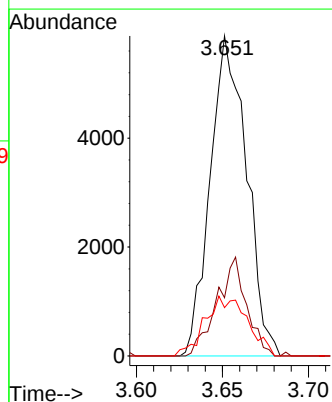
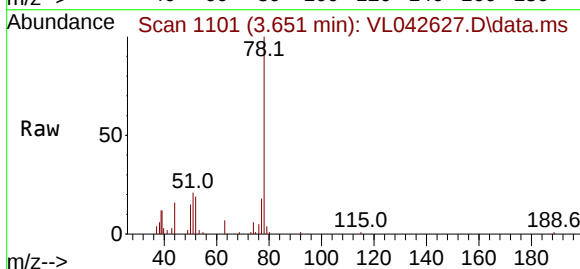
Instrument :  
MSVOA\_L  
ClientSampleId :  
AA-3DUP

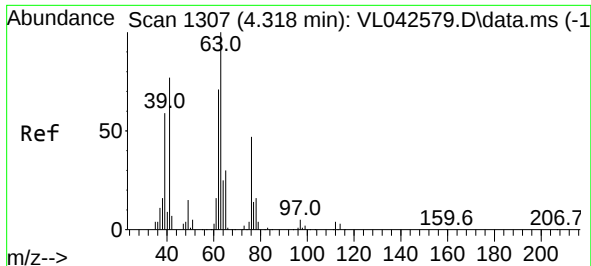
Tgt Ion: 43 Resp: 12371  
Ion Ratio Lower Upper  
43 100  
72 23.8 17.7 26.5



#36  
Benzene  
Concen: 0.309 ppbv  
RT: 3.651 min Scan# 1101  
Delta R.T. -0.010 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion: 78 Resp: 8632  
Ion Ratio Lower Upper  
78 100  
77 18.2 18.2 27.2  
50 15.1 15.2 22.8#





#39

1,2-Dichloropropane

Concen: 7.005 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.359 min

Lab File: VL042627.D

Acq: 16 Jun 2025 14:01

Instrument :

MSVOA\_L

ClientSampleId :

AA-3DUP

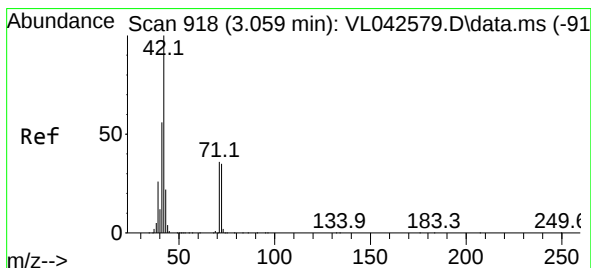
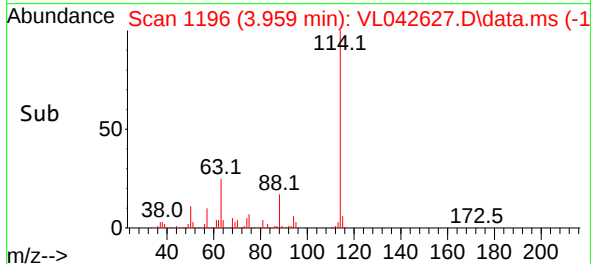
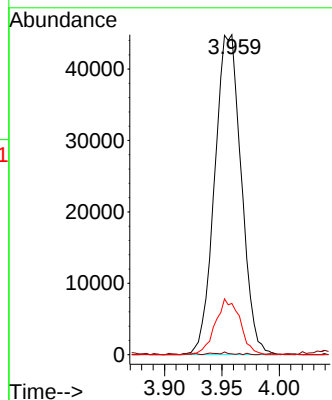
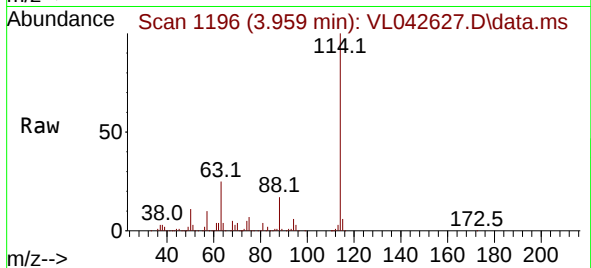
Tgt Ion: 63 Resp: 72334

Ion Ratio Lower Upper

63 100

41 0.2 61.8 92.6#

62 16.0 56.6 85.0#



#41

Tetrahydrofuran

Concen: 0.266 ppbv

RT: 3.056 min Scan# 917

Delta R.T. -0.003 min

Lab File: VL042627.D

Acq: 16 Jun 2025 14:01

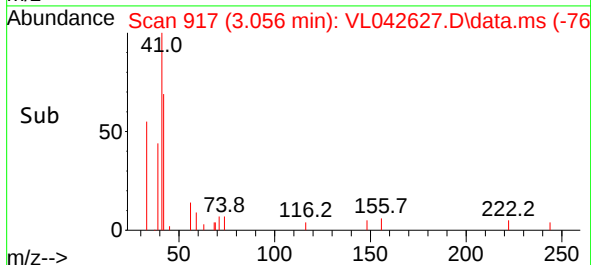
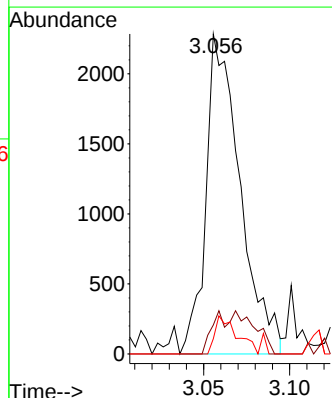
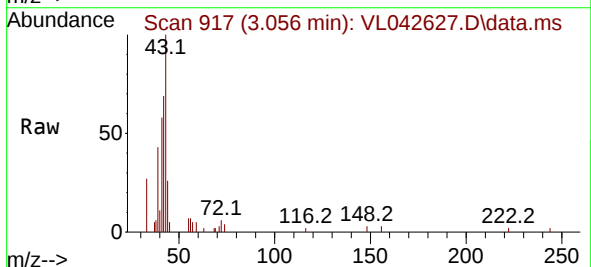
Tgt Ion: 42 Resp: 3150

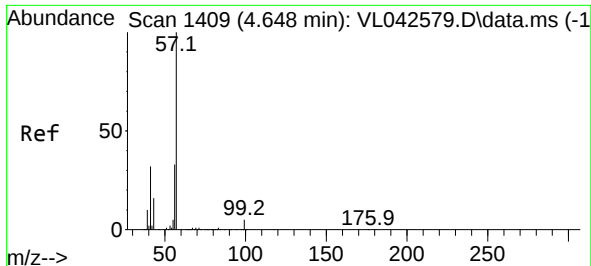
Ion Ratio Lower Upper

42 100

72 15.4 28.9 43.3#

71 8.5 28.5 42.7#

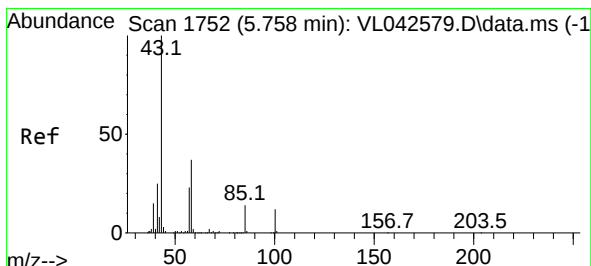
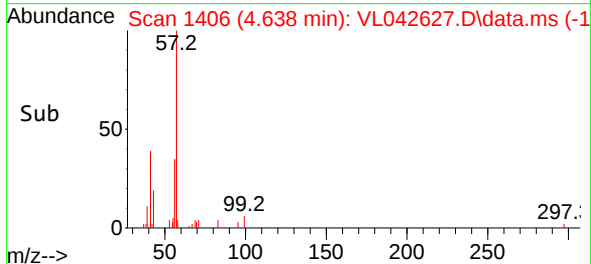
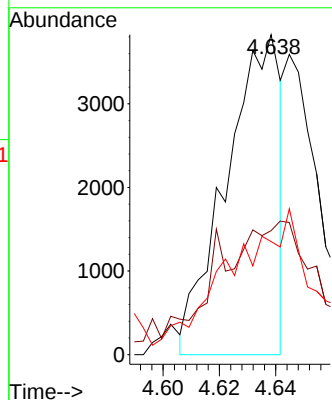
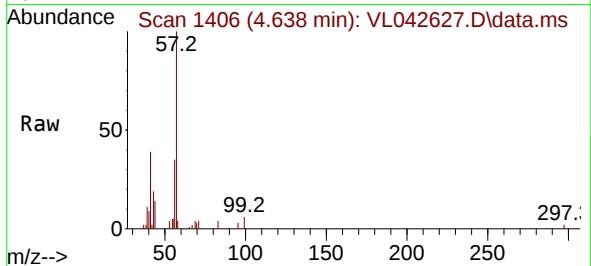




#44  
2,2,4-Trimethylpentane  
Concen: 0.107 ppbv  
RT: 4.638 min Scan# 1409  
Delta R.T. -0.010 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

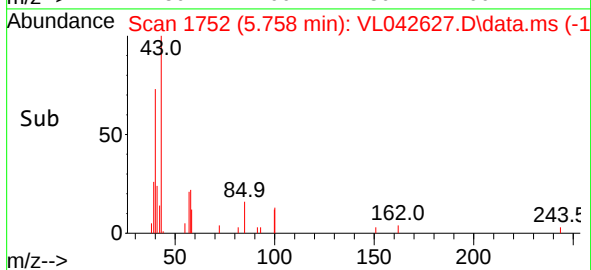
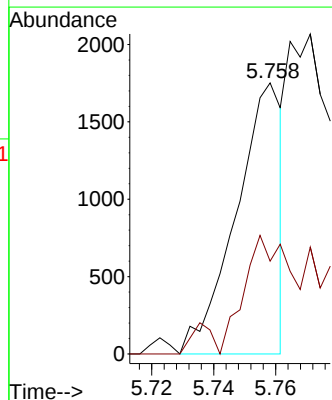
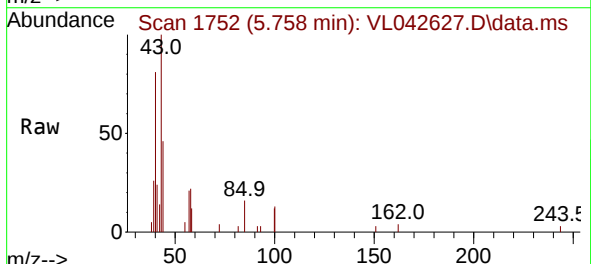
Instrument :  
MSVOA\_L  
ClientSampleId :  
AA-3DUP

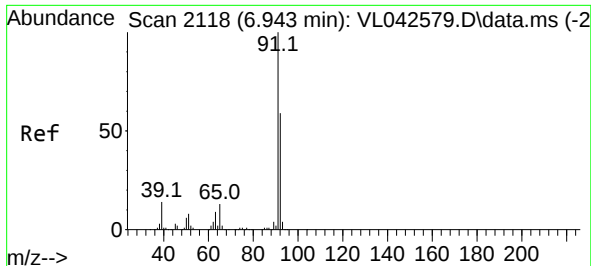
Tgt Ion: 57 Resp: 5098  
Ion Ratio Lower Upper  
57 100  
41 0.0 26.1 39.1#  
56 0.0 25.9 38.9#



#50  
4-Methyl-2-Pentanone  
Concen: 0.064 ppbv  
RT: 5.758 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion: 43 Resp: 1795  
Ion Ratio Lower Upper  
43 100  
58 98.4 28.3 42.5#





#53

Toluene

Concen: 0.296 ppbv

RT: 6.927 min Scan# 2113

Delta R.T. -0.016 min

Lab File: VL042627.D

Acq: 16 Jun 2025 14:01

Instrument :

MSVOA\_L

ClientSampleId :

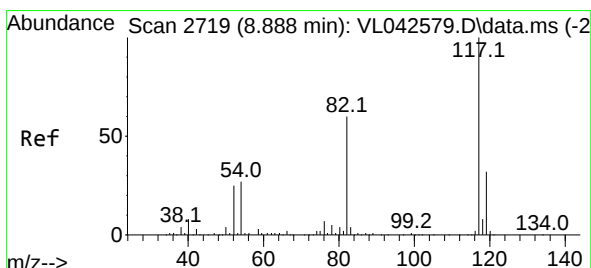
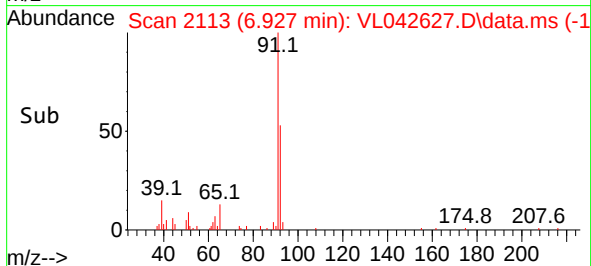
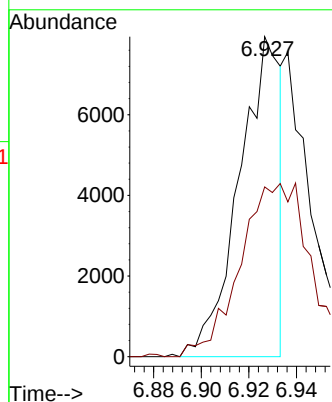
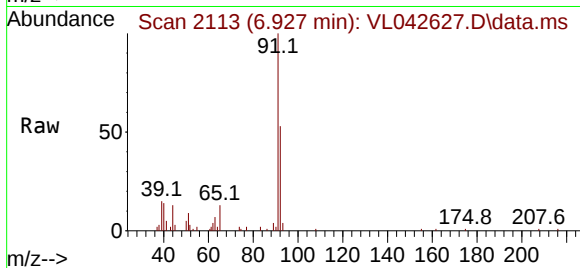
AA-3DUP

Tgt Ion: 91 Resp: 9546

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. -0.006 min

Lab File: VL042627.D

Acq: 16 Jun 2025 14:01

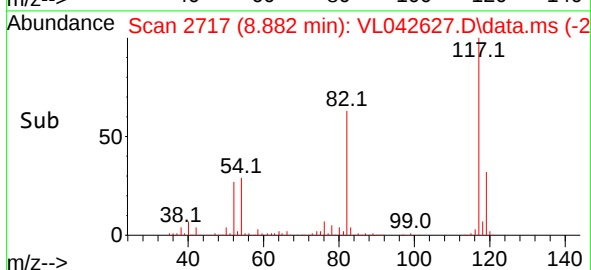
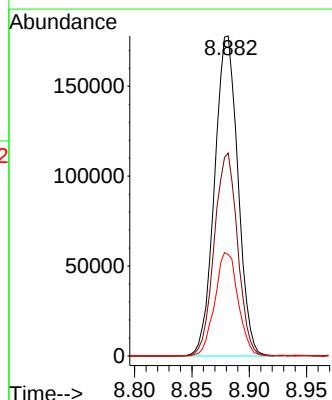
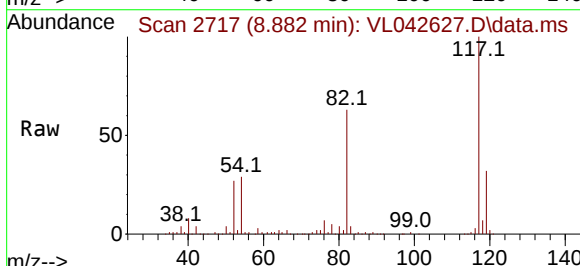
Tgt Ion: 117 Resp: 252613

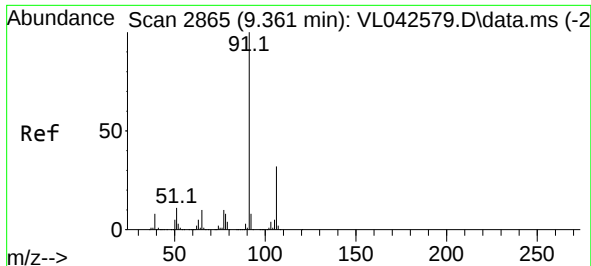
Ion Ratio Lower Upper

117 100

82 63.2 51.2 76.8

119 32.3 26.3 39.5

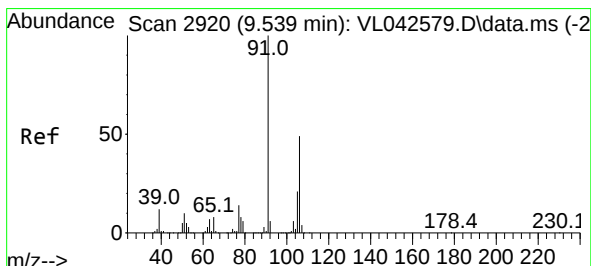
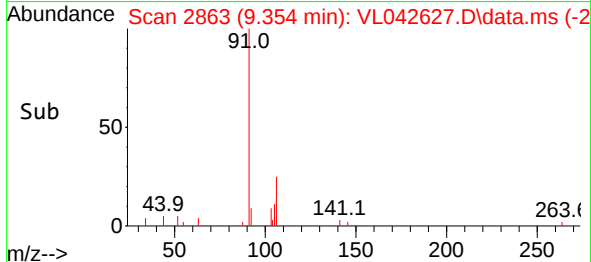
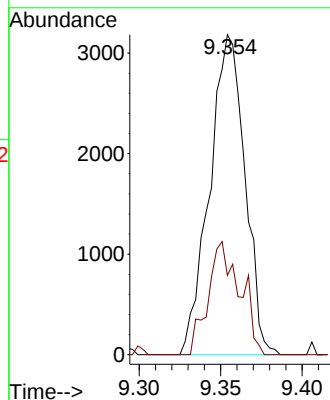
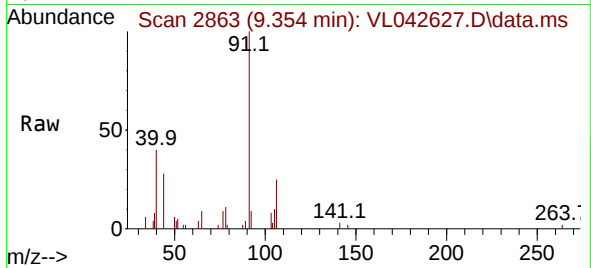




#58  
Ethyl Benzene  
Concen: 0.112 ppbv  
RT: 9.354 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

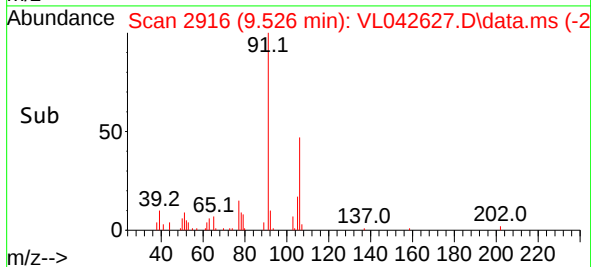
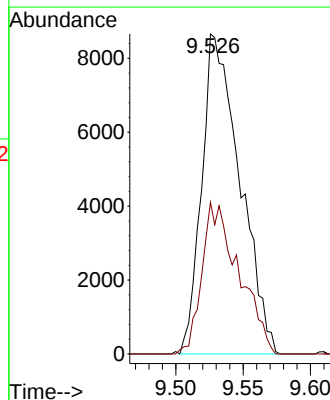
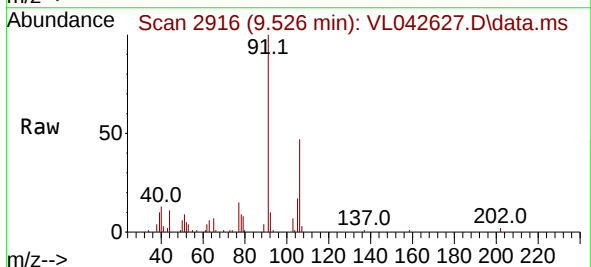
Instrument :  
MSVOA\_L  
ClientSampleId :  
AA-3DUP

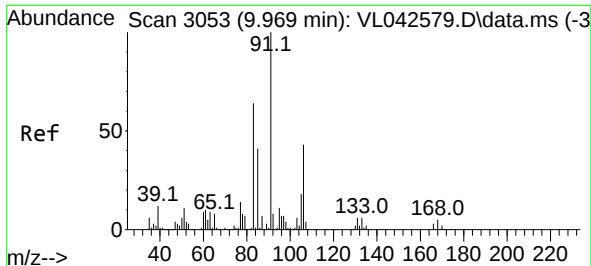
Tgt Ion: 91 Resp: 4800  
Ion Ratio Lower Upper  
91 100  
106 24.8 25.9 38.9#



#59  
m/p-Xylene  
Concen: 0.507 ppbv  
RT: 9.526 min Scan# 2916  
Delta R.T. -0.013 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion: 91 Resp: 17094  
Ion Ratio Lower Upper  
91 100  
106 45.7 38.8 58.2

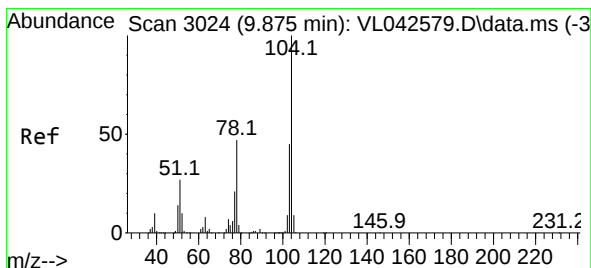
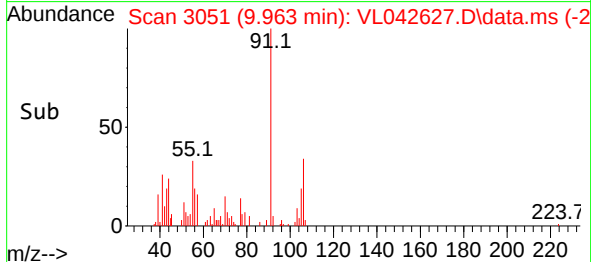
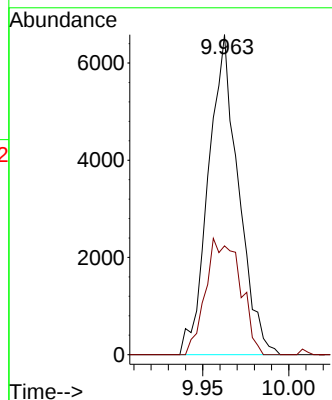
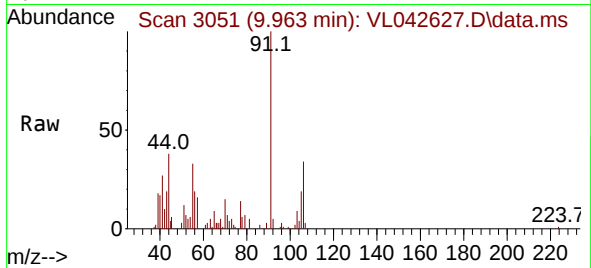




#60  
o-Xylene  
Concen: 0.237 ppbv  
RT: 9.963 min Scan# 3051  
Delta R.T. -0.006 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

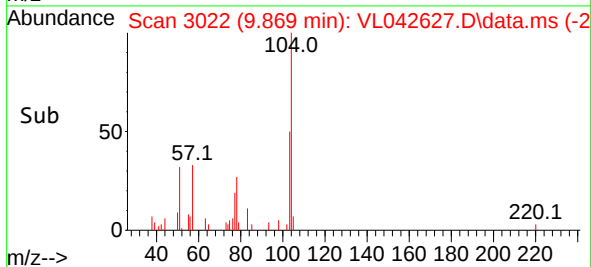
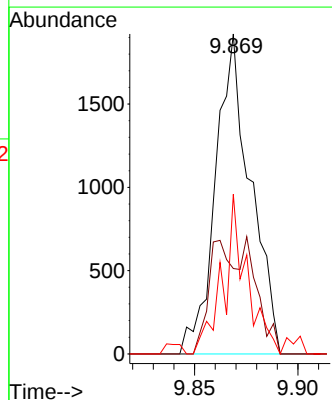
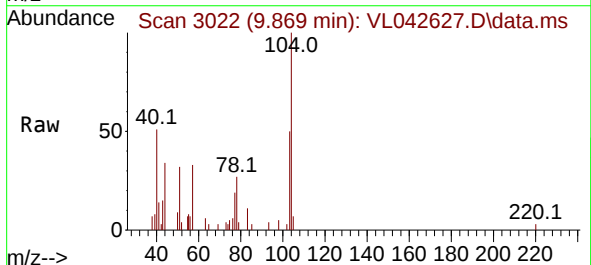
Instrument :  
MSVOA\_1  
ClientSampleId :  
AA-3DUP

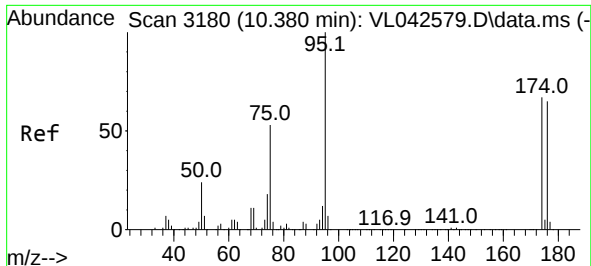
Tgt Ion: 91 Resp: 7978  
Ion Ratio Lower Upper  
91 100  
106 41.9 22.9 68.5



#61  
Styrene  
Concen: 0.142 ppbv  
RT: 9.869 min Scan# 3022  
Delta R.T. -0.006 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion:104 Resp: 2265  
Ion Ratio Lower Upper  
104 100  
78 43.9 38.2 57.4  
103 37.3 36.7 55.1

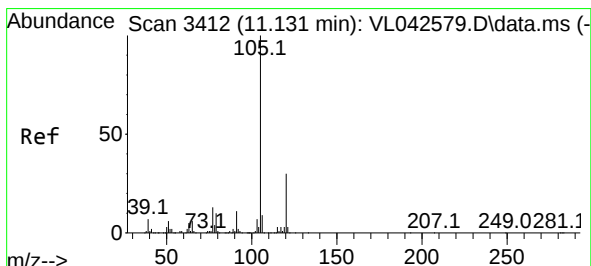
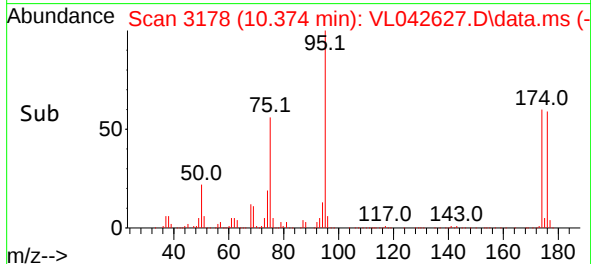
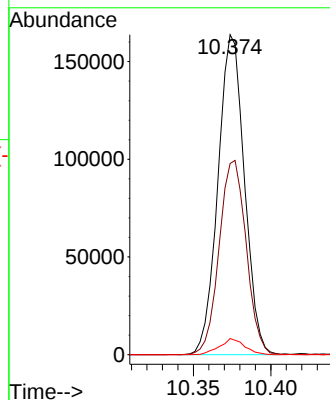
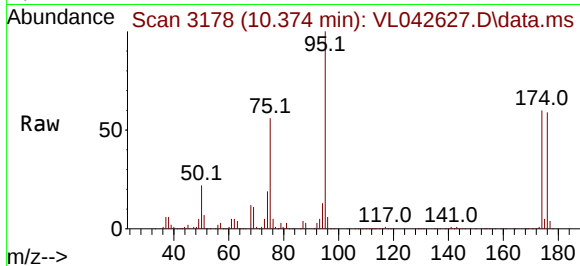




#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.273 ppbv  
RT: 10.374 min Scan# 3180  
Delta R.T. -0.007 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

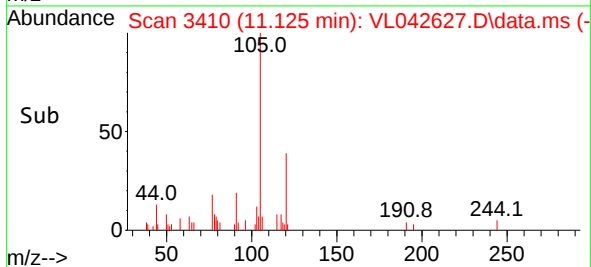
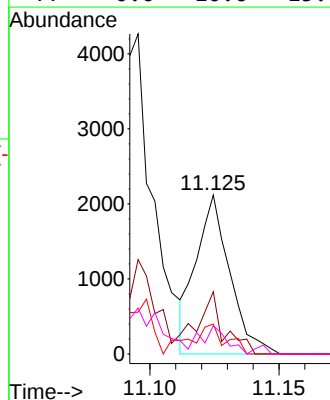
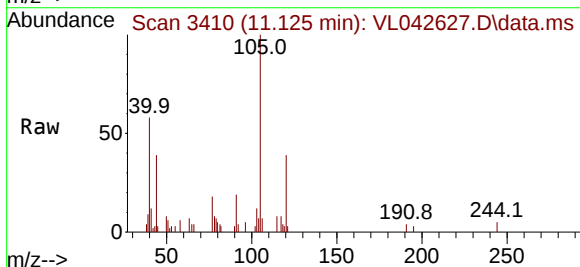
Instrument :  
MSVOA\_L  
ClientSampleId :  
AA-3DUP

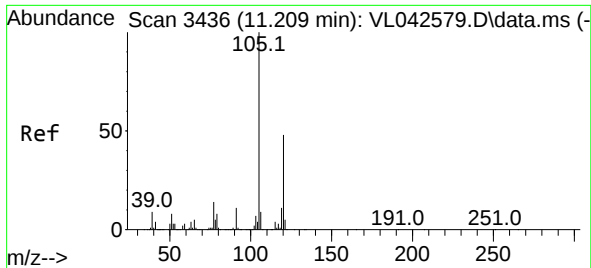
Tgt Ion: 95 Resp: 194543  
Ion Ratio Lower Upper  
95 100  
174 62.1 53.1 79.7  
175 4.7 4.2 6.2



#72  
4-Ethyltoluene  
Concen: 0.046 ppbv  
RT: 11.125 min Scan# 3410  
Delta R.T. -0.007 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Tgt Ion: 105 Resp: 1930  
Ion Ratio Lower Upper  
105 100  
120 0.0 24.6 36.8#  
91 0.0 9.6 14.4#  
77 0.0 10.6 15.8#

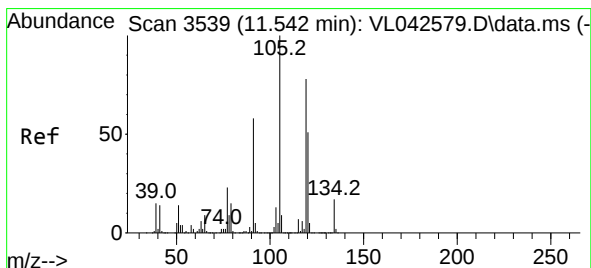
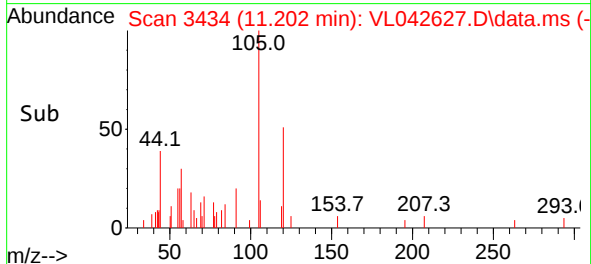
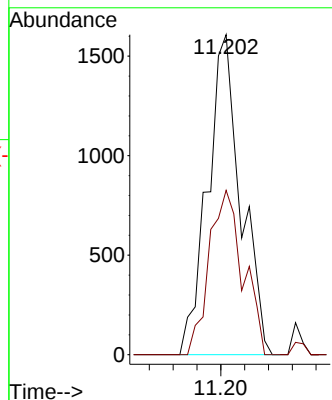
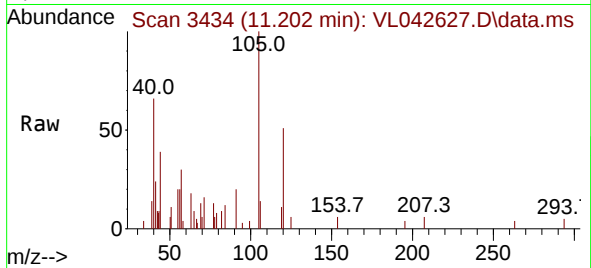




#73  
 1,3,5-Trimethylbenzene  
 Concen: 0.045 ppbv  
 RT: 11.202 min Scan# 3436  
 Delta R.T. -0.006 min  
 Lab File: VL042627.D  
 Acq: 16 Jun 2025 14:01

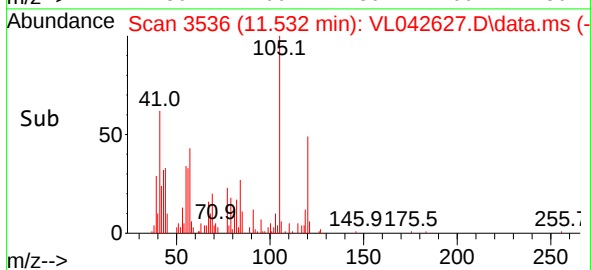
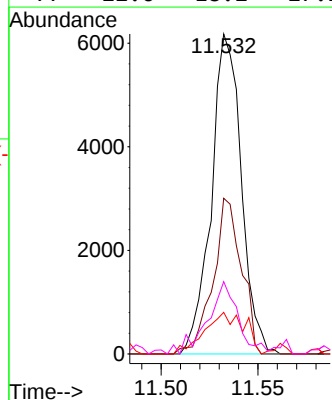
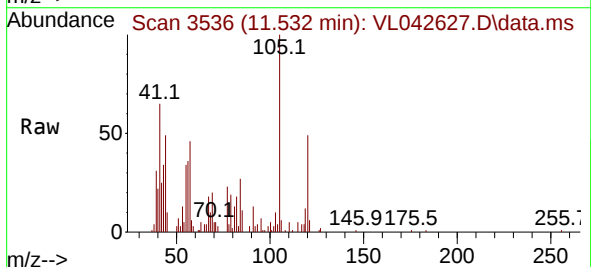
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 AA-3DUP

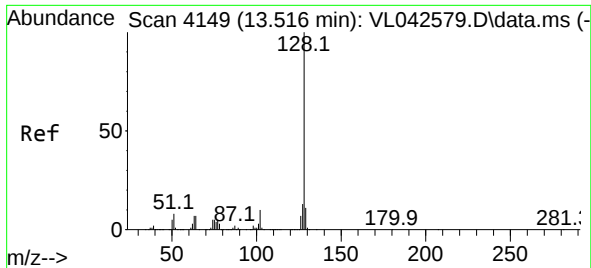
Tgt Ion:105 Resp: 1566  
 Ion Ratio Lower Upper  
 105 100  
 120 51.4 38.8 58.2



#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.173 ppbv  
 RT: 11.532 min Scan# 3536  
 Delta R.T. -0.010 min  
 Lab File: VL042627.D  
 Acq: 16 Jun 2025 14:01

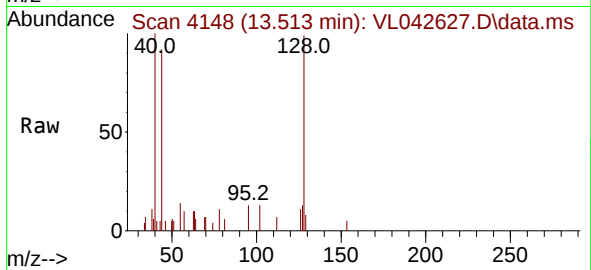
Tgt Ion:105 Resp: 6660  
 Ion Ratio Lower Upper  
 105 100  
 120 48.7 40.8 61.2  
 91 10.4 46.8 70.2#  
 77 22.6 18.2 27.2





#79  
Naphthalene  
Concen: 0.033 ppbv  
RT: 13.513 min Scan# 4148  
Delta R.T. -0.003 min  
Lab File: VL042627.D  
Acq: 16 Jun 2025 14:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
AA-3DUP



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1205  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.6  | 10.2  | 15.4  |
| 129      | 8.3   | 8.8   | 13.2# |

