

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121322\Reviewed data\  
 Data File : VL040012.D  
 Acq On : 13 Dec 2022 19:33  
 Operator : SY/MD  
 Sample : N5971-12  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-3

Quant Time: Dec 21 15:05:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111822AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Dec 02 23:21:36 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.173  | 49   | 1037262  | 10.000 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 6.635  | 114  | 2827926  | 10.000 | ppbv  | 0.02     |
| 55) Chlorobenzene-d5    | 11.449 | 117  | 2366292  | 10.000 | ppbv  | 0.02     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.761 | 95    | 1744914  | 9.654    | ppbv | 0.02    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.500% |

| Target Compounds              |        |     |         |         |        | Qvalue |
|-------------------------------|--------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.713  | 85  | 38457   | 0.259   | ppbv   | 95     |
| 3) Chlorodifluoromethane      | 2.658  | 51  | 73269   | 0.512   | ppbv   | 93     |
| 4) Chloromethane              | 2.793  | 50  | 37115   | 0.406   | ppbv # | 88     |
| 6) Bromomethane               | 3.099  | 94  | 525     | 0.022   | ppbv # | 7      |
| 7) Chloroethane               | 3.173  | 64  | 703     | 0.025   | ppbv # | 79     |
| 9) Propene                    | 2.677  | 41  | 96998   | 1.439   | ppbv   | 83     |
| 10) Heptane                   | 7.558  | 43  | 17288   | 0.106   | ppbv # | 73     |
| 11) Trichlorofluoromethane    | 3.546  | 101 | 40552   | 0.224   | ppbv   | 89     |
| 12) 1,1,2-Trichlorotrifluo... | 4.050  | 101 | 8642    | 0.063   | ppbv   | 83     |
| 13) Ethanol                   | 3.218  | 45  | 2287578 | 444.396 | ppbv   | 100    |
| 14) Bromoethene               | 3.346  | 108 | 1209    | 0.023   | ppbv # | 67     |
| 15) Acetone                   | 3.446  | 43  | 1276306 | 9.277   | ppbv   | 98     |
| 16) 1,3-Butadiene             | 2.948  | 39  | 6633    | 0.097   | ppbv   | 87     |
| 19) Isopropyl Alcohol         | 3.558  | 45  | 264917  | 3.556   | ppbv # | 1      |
| 20) Methylene Chloride        | 3.915  | 84  | 684340  | 10.267  | ppbv   | 96     |
| 23) Vinyl Acetate             | 4.597  | 43  | 59150   | 1.047   | ppbv # | 76     |
| 25) Ethyl Acetate             | 5.192  | 43  | 332491  | 1.316   | ppbv # | 79     |
| 26) Hexane                    | 5.192  | 57  | 458195  | 4.152   | ppbv # | 40     |
| 29) Chloroform                | 5.259  | 83  | 5764    | 0.039   | ppbv   | 85     |
| 30) Cyclohexane               | 6.587  | 84  | 2998    | 0.028   | ppbv # | 1      |
| 34) 2-Butanone                | 4.774  | 43  | 119338  | 0.882   | ppbv   | 93     |
| 35) Carbon Tetrachloride      | 6.471  | 117 | 13444   | 0.084   | ppbv # | 80     |
| 36) Benzene                   | 6.353  | 78  | 55618   | 0.231   | ppbv # | 89     |
| 37) 1,2-Dichloroethane        | 5.787  | 62  | 7093    | 0.054   | ppbv # | 81     |
| 39) 1,2-Dichloropropane       | 6.632  | 63  | 668549  | 7.139   | ppbv # | 27     |
| 41) Tetrahydrofuran           | 5.793  | 42  | 2317    | 0.025   | ppbv # | 40     |
| 43) Methyl Methacrylate       | 7.465  | 69  | 1919    | 0.020   | ppbv # | 3      |
| 44) 2,2,4-Trimethylpentane    | 7.304  | 57  | 134506  | 0.335   | ppbv # | 87     |
| 50) 4-Methyl-2-Pentanone      | 8.179  | 43  | 19038   | 0.079   | ppbv # | 31     |
| 51) 2-Hexanone                | 9.552  | 43  | 94694   | 0.503   | ppbv # | 98     |
| 53) Toluene                   | 9.201  | 91  | 189375  | 0.692   | ppbv   | 97     |
| 58) Ethyl Benzene             | 12.317 | 91  | 16997   | 0.053   | ppbv   | 97     |
| 59) m/p-Xylene                | 12.356 | 91  | 20292   | 0.076   | ppbv # | 30     |
| 60) o-Xylene                  | 13.044 | 91  | 18345   | 0.072   | ppbv # | 36     |
| 61) Styrene                   | 12.876 | 104 | 3203    | 0.021   | ppbv # | 1      |
| 74) 1,2,4-Trimethylbenzene    | 16.095 | 105 | 28525   | 0.102   | ppbv # | 73     |
| 78) Hexachloro-1,3-Butadiene  | 22.622 | 225 | 4537    | 0.043   | ppbv # | 20     |
| 79) Naphthalene               | 21.374 | 128 | 7155    | 0.043   | ppbv # | 88     |
| 80) Naphthalene,2-methyl-     | 24.368 | 142 | 6363    | 0.135   | ppbv   | 89     |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121322\Reviewed data\  
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Acq On : 13 Dec 2022 19:33  
Operator : SY/MD  
Sample : N5971-12  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

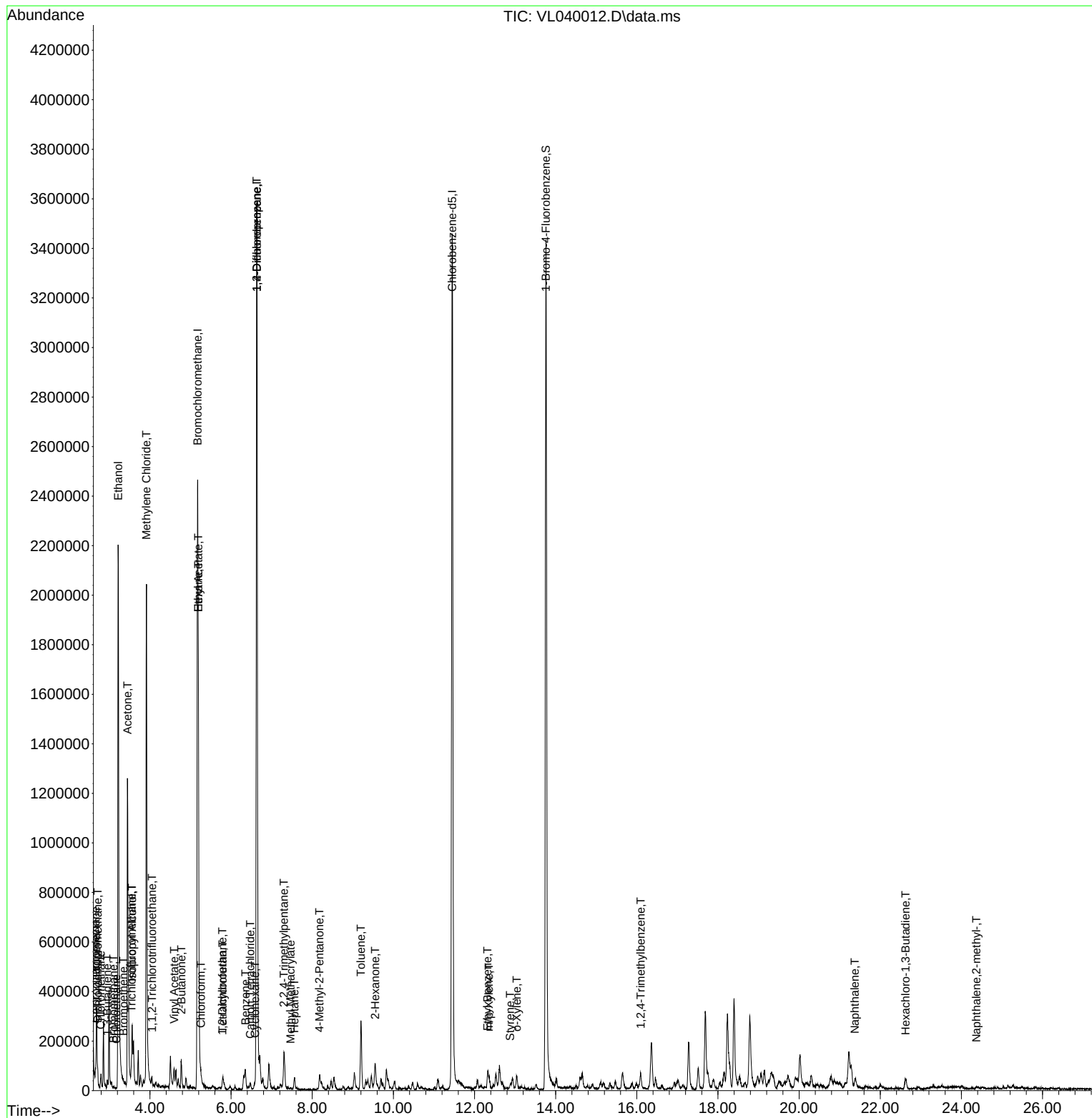
Quant Time: Dec 21 15:05:38 2022

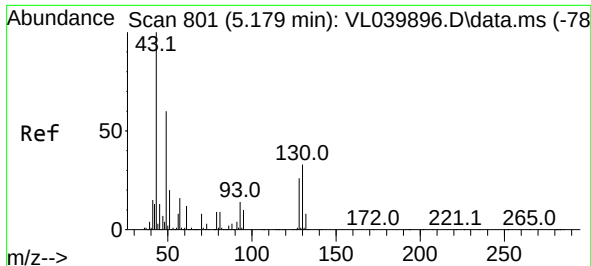
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

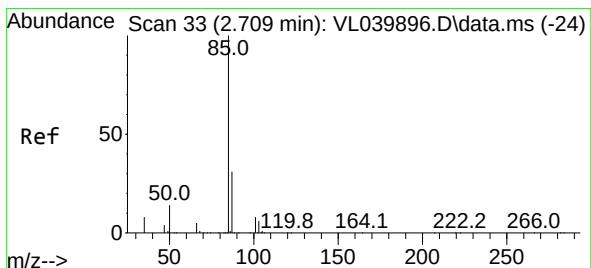
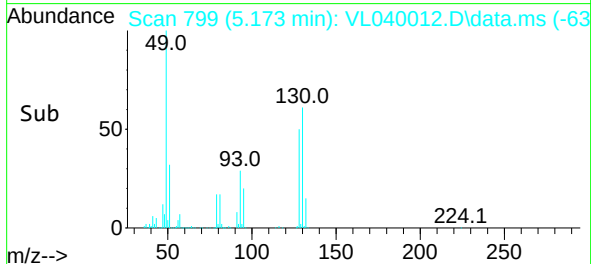
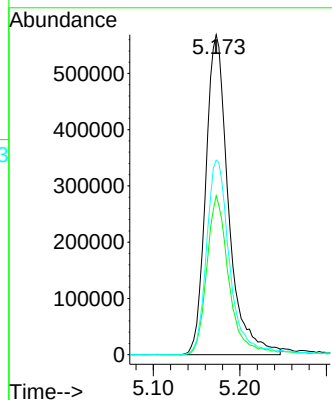
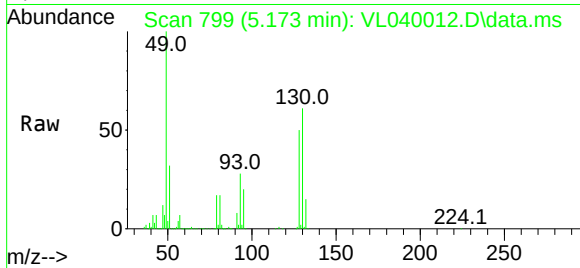




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.173 min Scan# 79  
 Delta R.T. 0.017 min  
 Lab File: VL040012.D  
 Acq: 13 Dec 2022 19:33

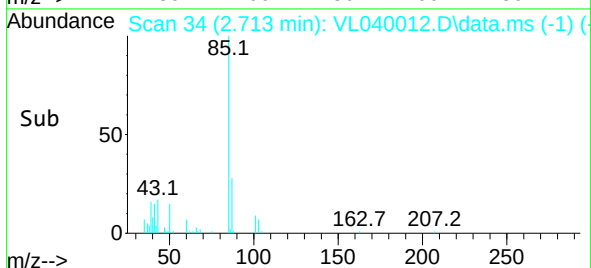
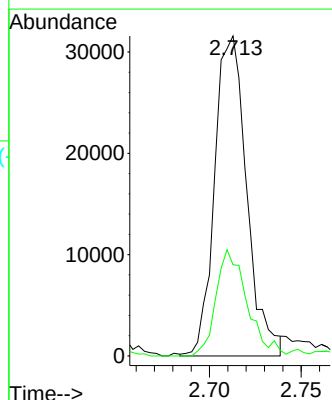
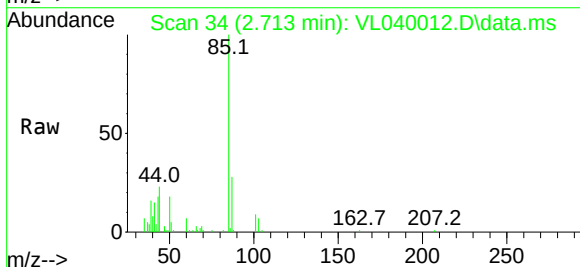
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-3

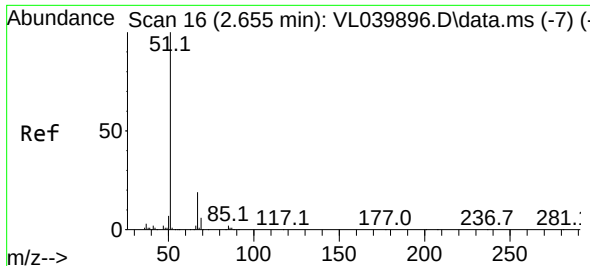
Tgt Ion: 49 Resp: 1037262  
 Ion Ratio Lower Upper  
 49 100  
 128 49.5 22.1 66.3  
 130 63.2 27.7 83.1



#2  
 Dichlorodifluoromethane  
 Concen: 0.259 ppbv  
 RT: 2.713 min Scan# 34  
 Delta R.T. 0.016 min  
 Lab File: VL040012.D  
 Acq: 13 Dec 2022 19:33

Tgt Ion: 85 Resp: 38457  
 Ion Ratio Lower Upper  
 85 100  
 87 28.7 25.0 37.4

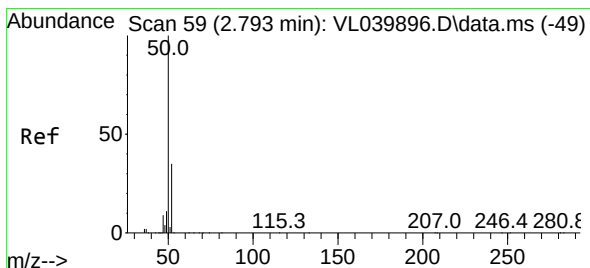
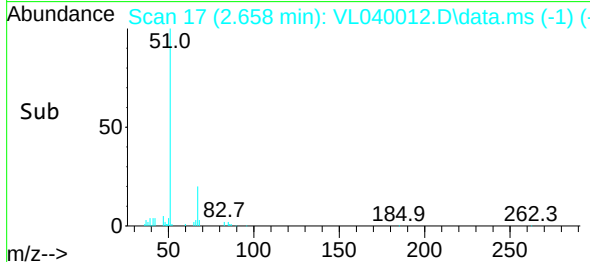
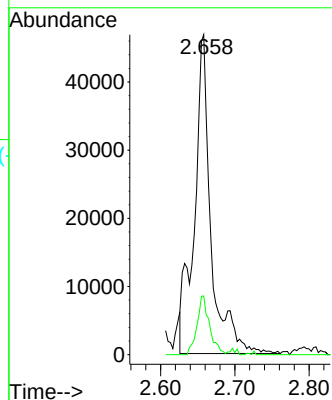
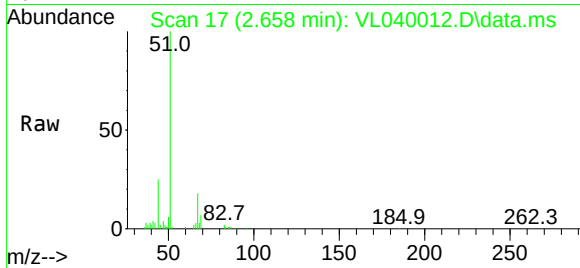




#3  
Chlorodifluoromethane  
Concen: 0.512 ppbv  
RT: 2.658 min Scan# 11  
Delta R.T. 0.016 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

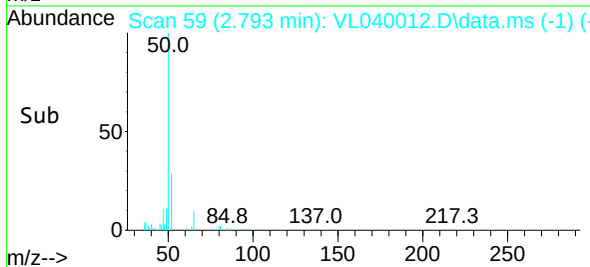
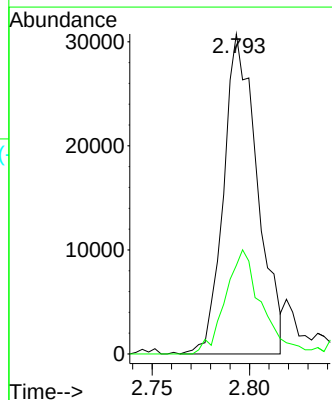
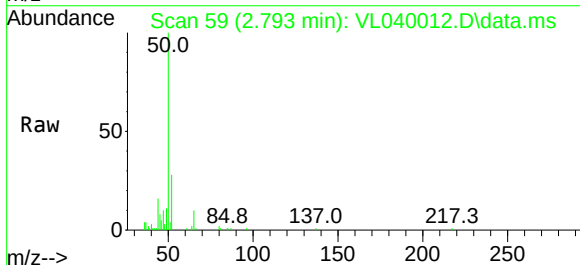
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

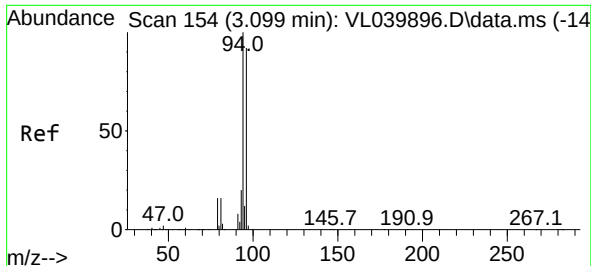
Tgt Ion: 51 Resp: 73269  
Ion Ratio Lower Upper  
51 100  
67 14.8 14.2 21.4



#4  
Chloromethane  
Concen: 0.406 ppbv  
RT: 2.793 min Scan# 59  
Delta R.T. 0.013 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 50 Resp: 37115  
Ion Ratio Lower Upper  
50 100  
52 27.7 27.8 41.8#

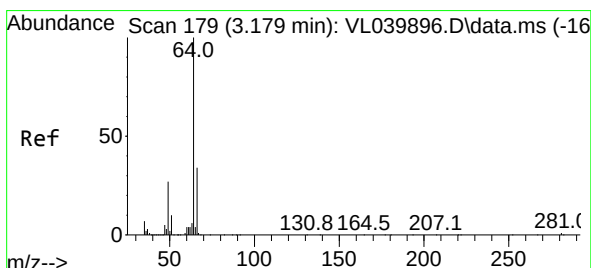
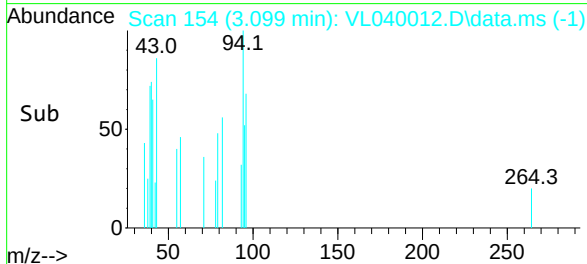
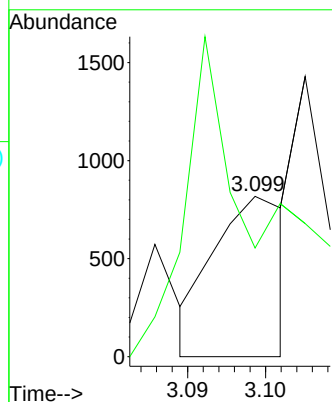
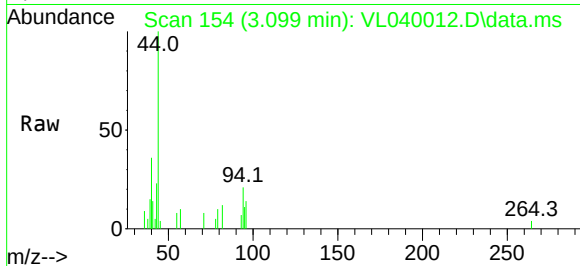




#6  
Bromomethane  
Concen: 0.022 ppbv  
RT: 3.099 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

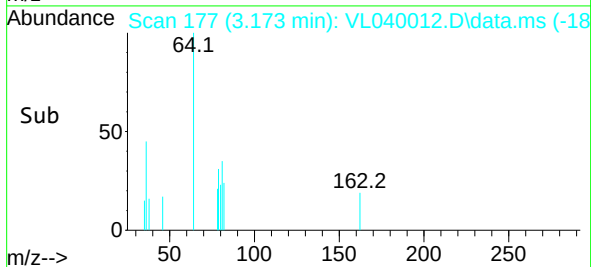
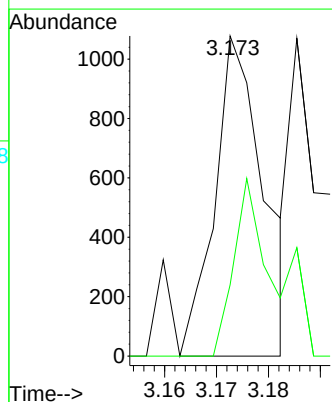
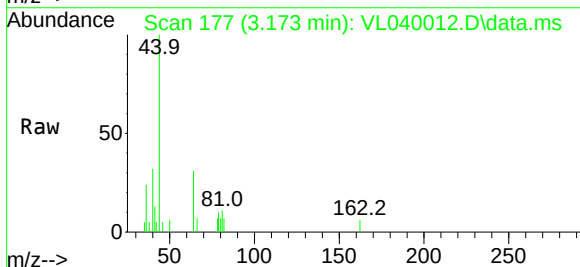
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

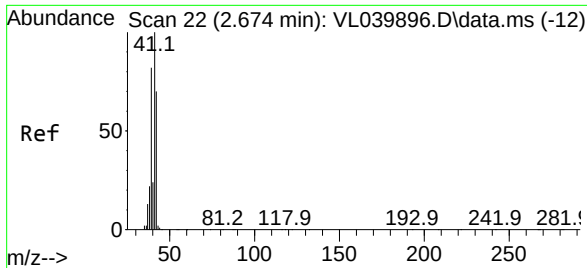
Tgt Ion: 94 Resp: 525  
Ion Ratio Lower Upper  
94 100  
96 3.7 73.7 110.5#



#7  
Chloroethane  
Concen: 0.025 ppbv  
RT: 3.173 min Scan# 177  
Delta R.T. 0.010 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 64 Resp: 703  
Ion Ratio Lower Upper  
64 100  
66 22.3 27.3 40.9#

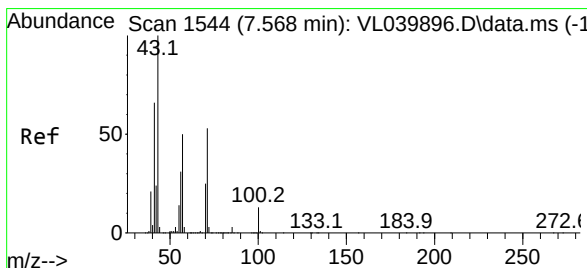
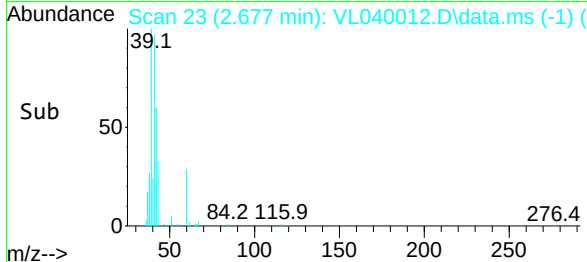
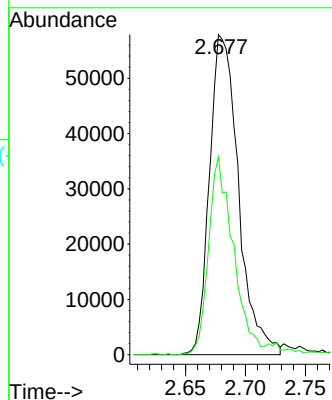
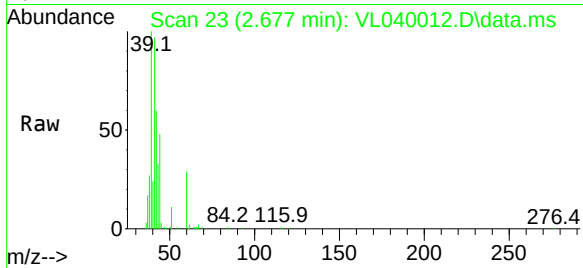




#9  
 Propene  
 Concen: 1.439 ppbv  
 RT: 2.677 min Scan# 21  
 Delta R.T. 0.016 min  
 Lab File: VL040012.D  
 Acq: 13 Dec 2022 19:33

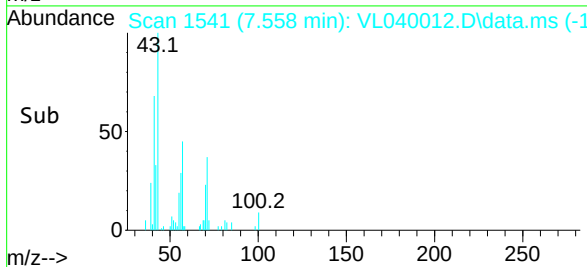
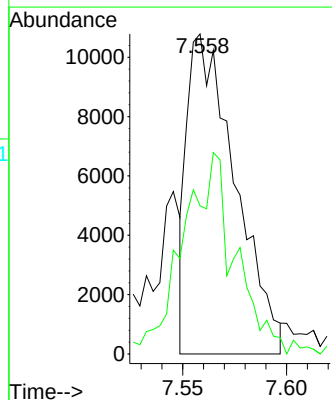
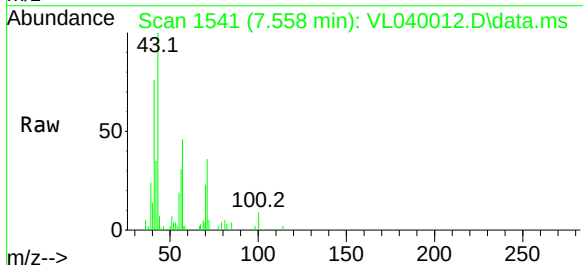
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-3

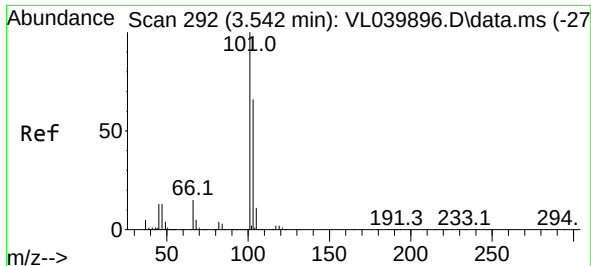
Tgt Ion: 41 Resp: 96998  
 Ion Ratio Lower Upper  
 41 100  
 42 55.8 55.8 83.6



#10  
 Heptane  
 Concen: 0.106 ppbv  
 RT: 7.558 min Scan# 1541  
 Delta R.T. 0.013 min  
 Lab File: VL040012.D  
 Acq: 13 Dec 2022 19:33

Tgt Ion: 43 Resp: 17288  
 Ion Ratio Lower Upper  
 43 100  
 57 69.4 40.7 61.1#

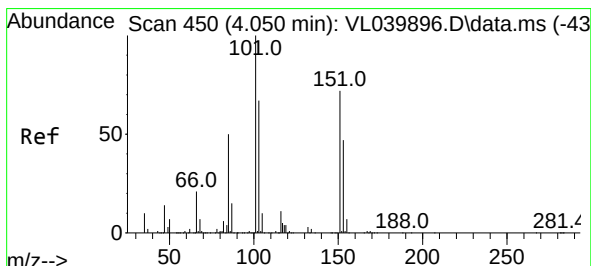
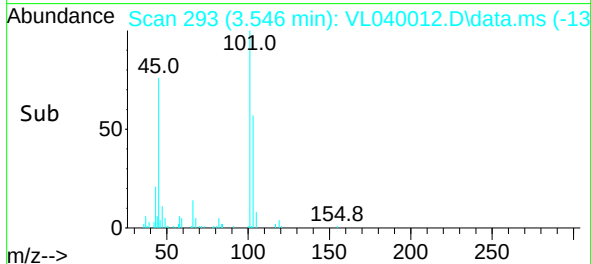
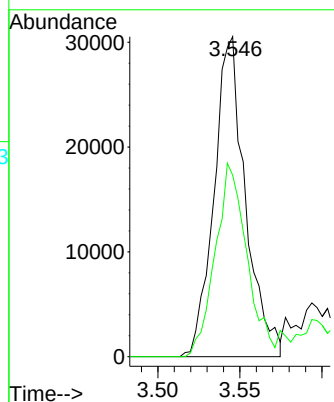
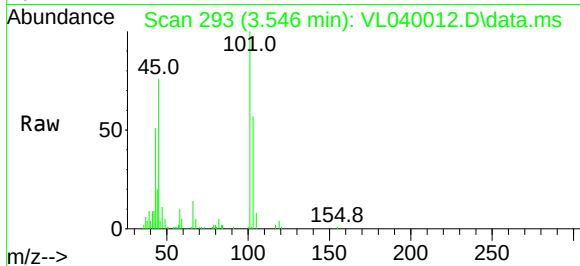




#11  
 Trichlorofluoromethane  
 Concen: 0.224 ppbv  
 RT: 3.546 min Scan# 292  
 Delta R.T. 0.016 min  
 Lab File: VL040012.D  
 Acq: 13 Dec 2022 19:33

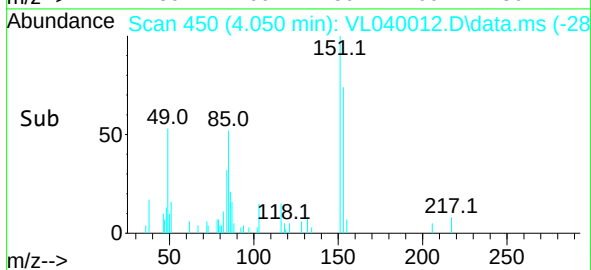
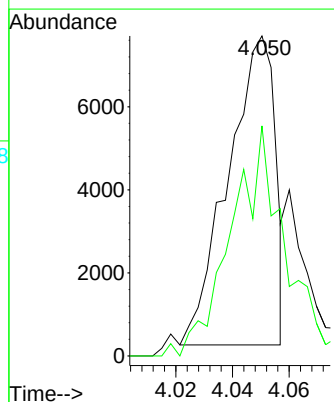
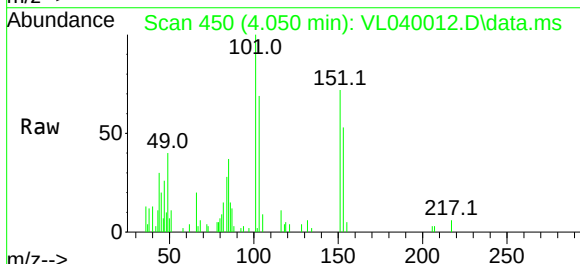
Instrument :  
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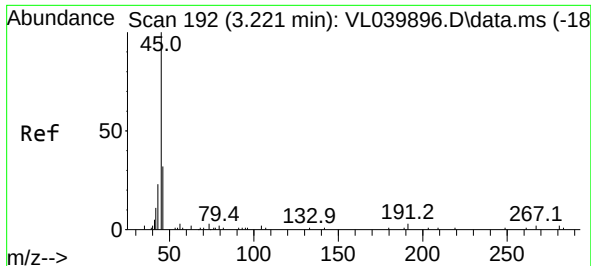
Tgt Ion:101 Resp: 40552  
 Ion Ratio Lower Upper  
 101 100  
 103 56.7 52.6 78.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.063 ppbv  
 RT: 4.050 min Scan# 450  
 Delta R.T. 0.019 min  
 Lab File: VL040012.D  
 Acq: 13 Dec 2022 19:33

Tgt Ion:101 Resp: 8642  
 Ion Ratio Lower Upper  
 101 100  
 151 89.3 59.6 89.4

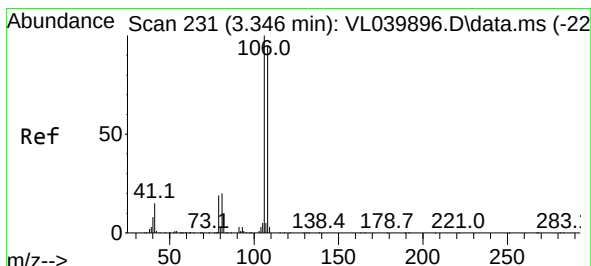
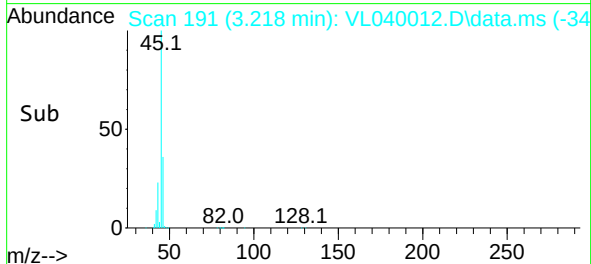
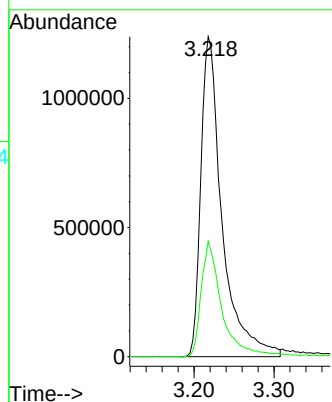
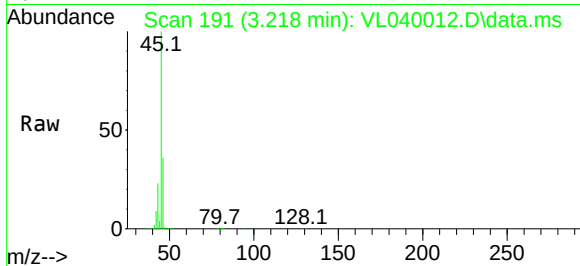




#13  
Ethanol  
Concen: 444.396 ppbv  
RT: 3.218 min Scan# 192  
Delta R.T. 0.003 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

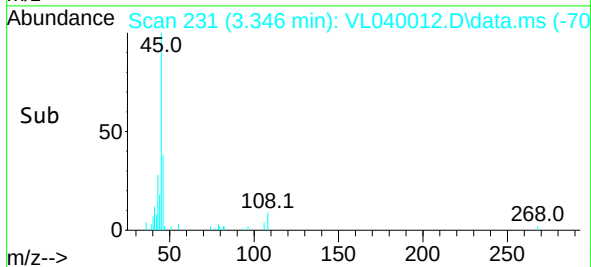
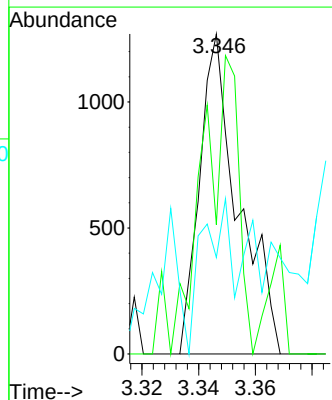
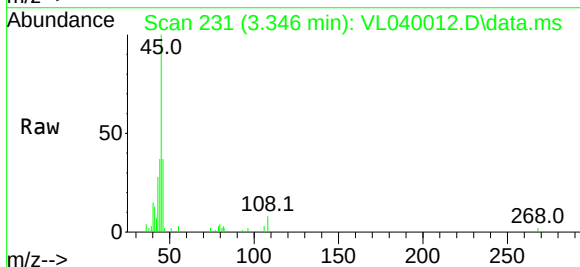
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

Tgt Ion: 45 Resp: 2287578  
Ion Ratio Lower Upper  
45 100  
46 36.2 14.6 58.2

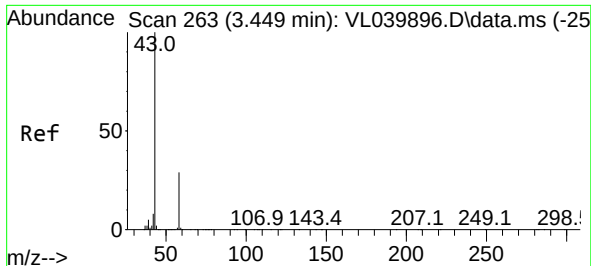


#14  
Bromoethene  
Concen: 0.023 ppbv  
RT: 3.346 min Scan# 231  
Delta R.T. 0.016 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 108 Resp: 1209  
Ion Ratio Lower Upper  
108 100  
106 103.1 87.3 130.9  
79 103.9 15.9 23.9







#15

Acetone

Concen: 9.277 ppbv

RT: 3.446 min Scan# 2

Delta R.T. 0.013 min

Lab File: VL040012.D

Acq: 13 Dec 2022 19:33

Instrument :

MSVOA\_L

ClientSampleId :

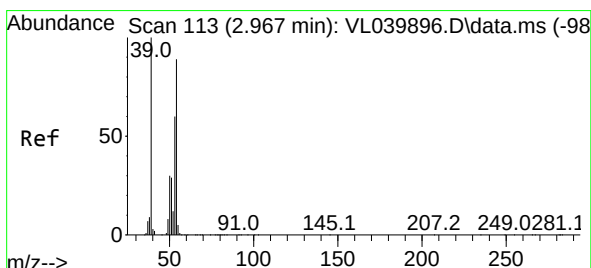
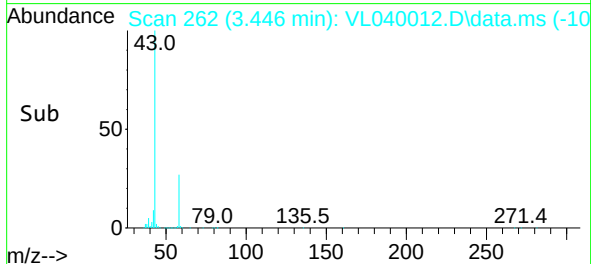
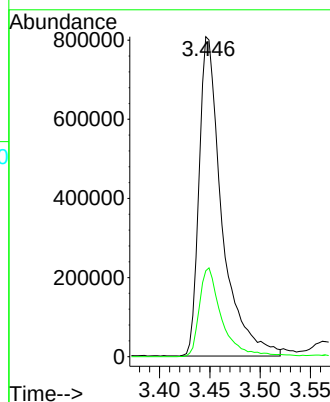
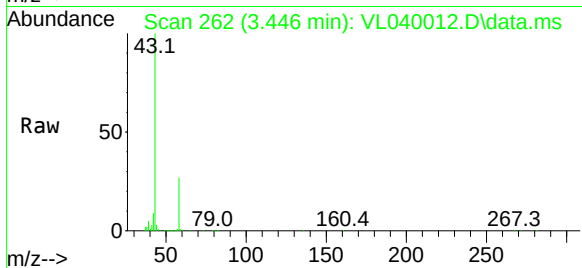
IA-3

Tgt Ion: 43 Resp: 1276306

Ion Ratio Lower Upper

43 100

58 27.4 22.9 34.3



#16

1,3-Butadiene

Concen: 0.097 ppbv

RT: 2.948 min Scan# 107

Delta R.T. -0.003 min

Lab File: VL040012.D

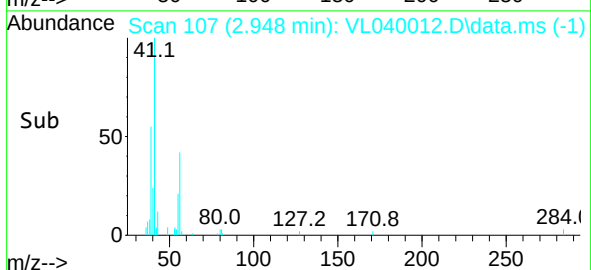
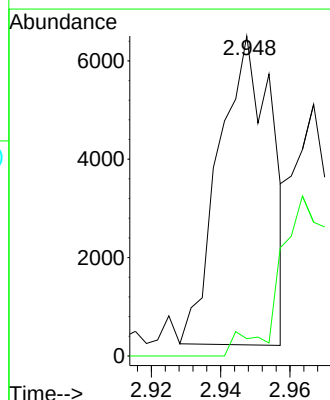
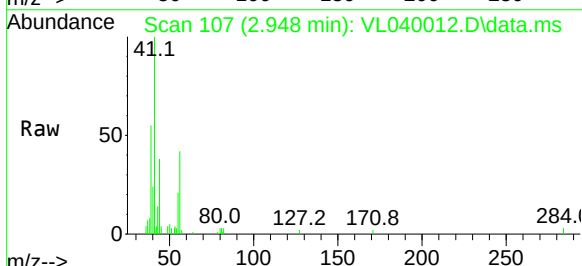
Acq: 13 Dec 2022 19:33

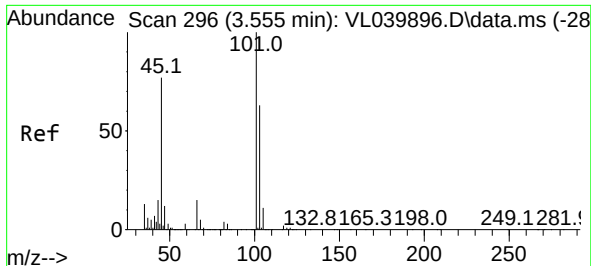
Tgt Ion: 39 Resp: 6633

Ion Ratio Lower Upper

39 100

54 71.7 66.6 99.8





#19

Isopropyl Alcohol

Concen: 3.556 ppbv

RT: 3.558 min Scan# 296

Delta R.T. 0.016 min

Lab File: VL040012.D

Acq: 13 Dec 2022 19:33

Instrument :

MSVOA\_L

ClientSampleId :

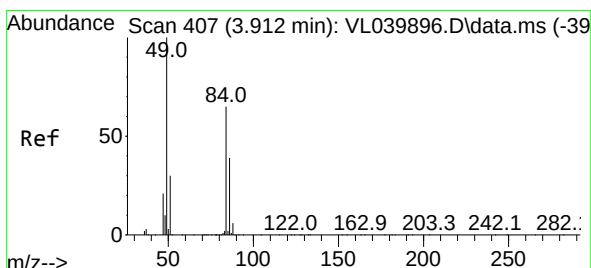
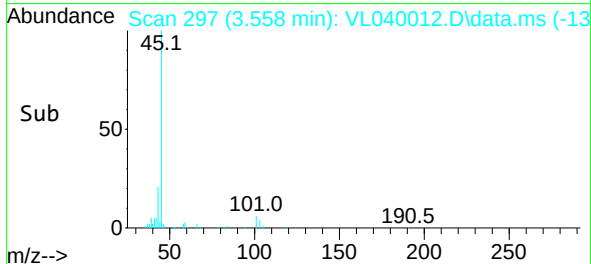
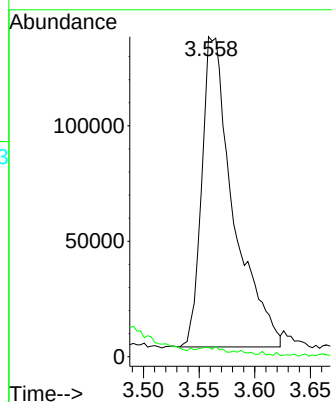
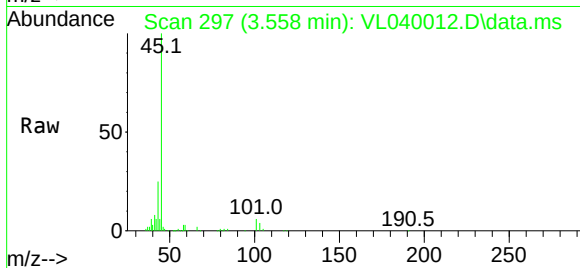
IA-3

Tgt Ion: 45 Resp: 264917

Ion Ratio Lower Upper

45 100

58 136.3 38.7 58.1#



#20

Methylene Chloride

Concen: 10.267 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.019 min

Lab File: VL040012.D

Acq: 13 Dec 2022 19:33

Tgt Ion: 84 Resp: 684340

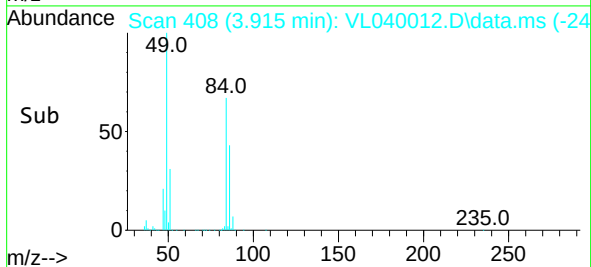
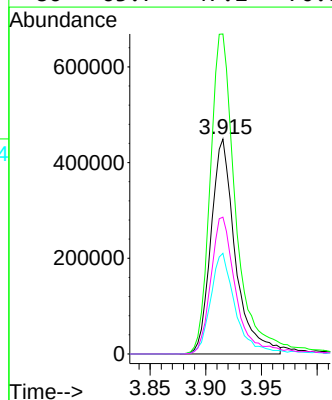
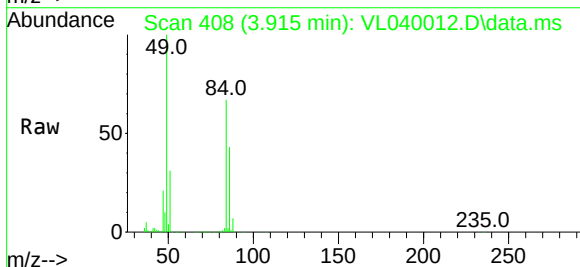
Ion Ratio Lower Upper

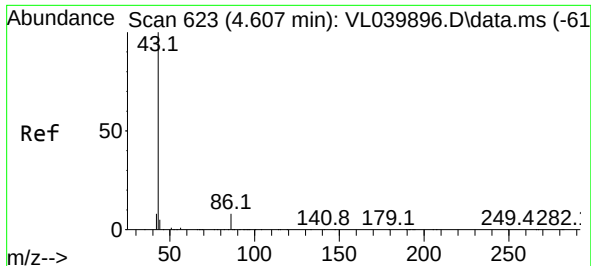
84 100

49 148.8 122.2 183.4

51 46.8 36.3 54.5

86 63.7 47.2 70.8

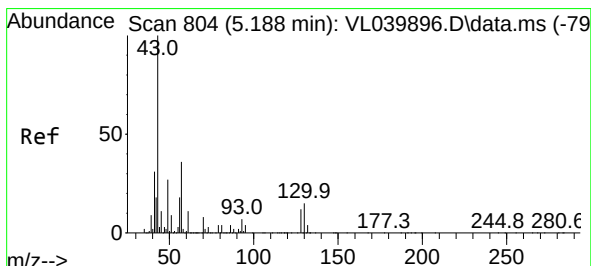
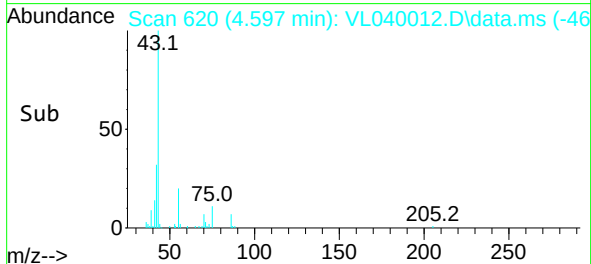
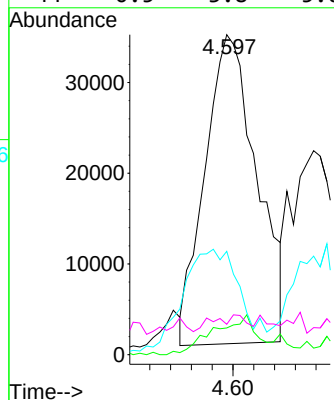
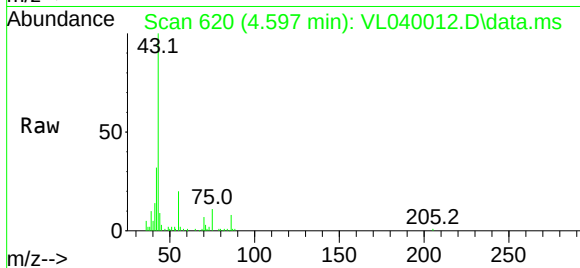




#23  
 Vinyl Acetate  
 Concen: 1.047 ppbv  
 RT: 4.597 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL040012.D  
 Acq: 13 Dec 2022 19:33

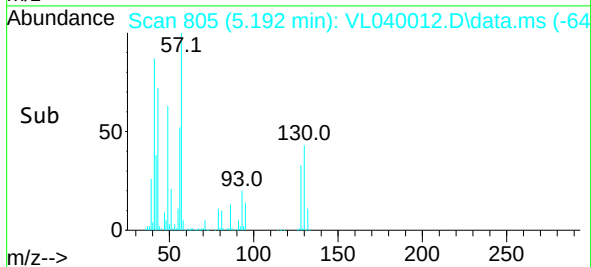
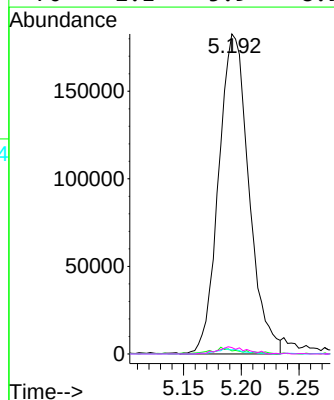
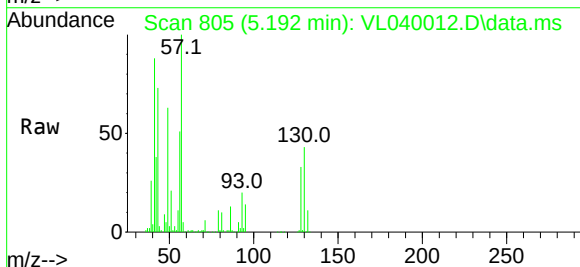
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-3

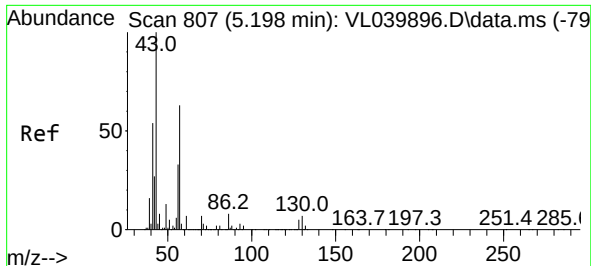
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 59150 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 8.7      | 5.0 7.4#    |
| 42 24.6     | 7.6 11.4#   |
| 44 0.5      | 3.8 5.6#    |



#25  
 Ethyl Acetate  
 Concen: 1.316 ppbv  
 RT: 5.192 min Scan# 805  
 Delta R.T. 0.023 min  
 Lab File: VL040012.D  
 Acq: 13 Dec 2022 19:33

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 43 | Resp: | 332491 |
| Ion | Ratio   | Lower | Upper  |
| 43  | 100     |       |        |
| 45  | 2.0     | 8.4   | 12.6#  |
| 61  | 1.5     | 8.5   | 12.7#  |
| 70  | 2.1     | 5.9   | 8.9#   |

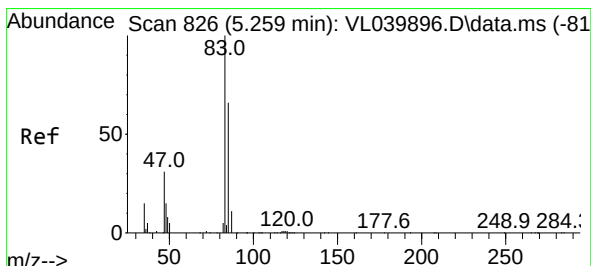
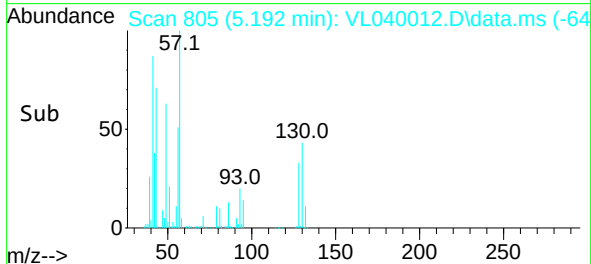
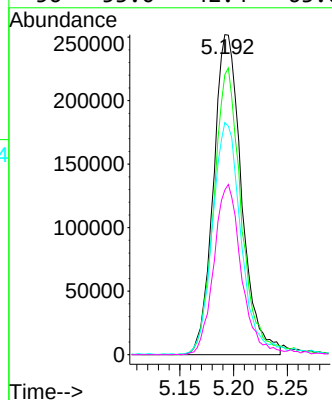
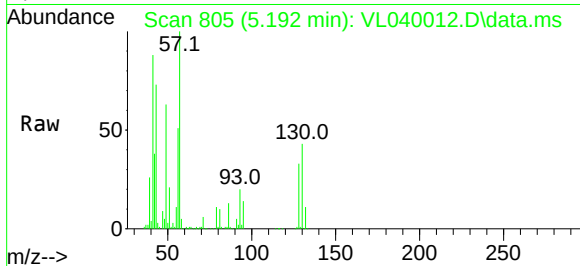




#26  
Hexane  
Concen: 4.152 ppbv  
RT: 5.192 min Scan# 805  
Delta R.T. 0.016 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

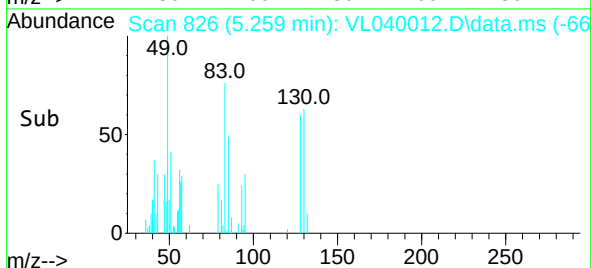
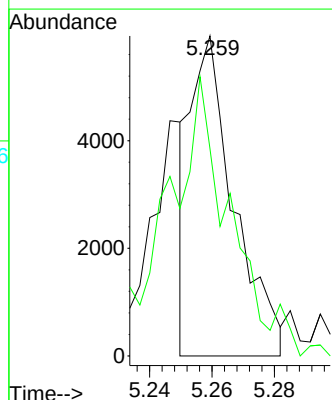
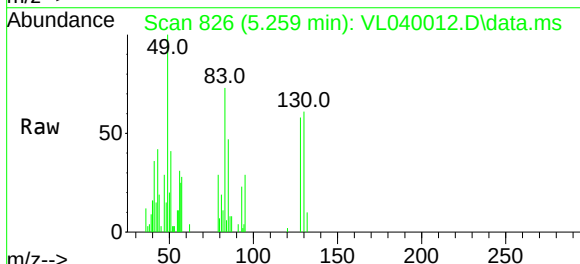
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

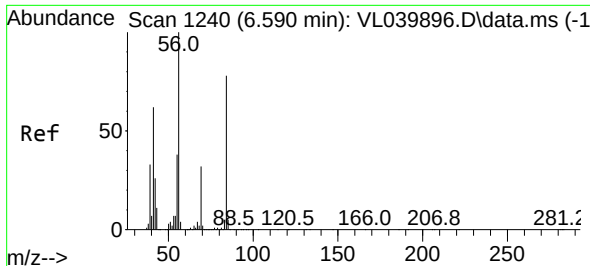
Tgt Ion: 57 Resp: 458195  
Ion Ratio Lower Upper  
57 100  
41 89.2 72.3 108.5  
43 74.9 188.7 283.1#  
56 53.0 42.4 63.6



#29  
Chloroform  
Concen: 0.039 ppbv  
RT: 5.259 min Scan# 826  
Delta R.T. 0.023 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 83 Resp: 5764  
Ion Ratio Lower Upper  
83 100  
85 53.4 52.4 78.6

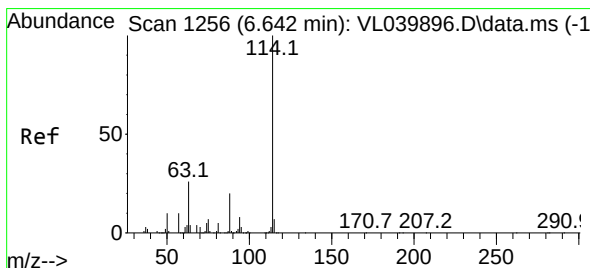
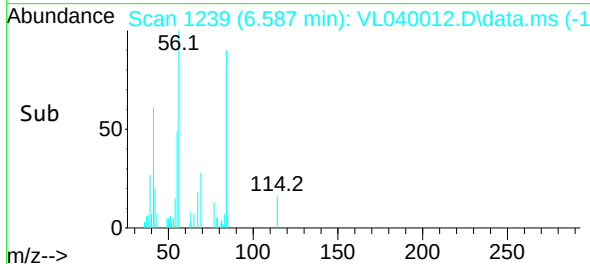
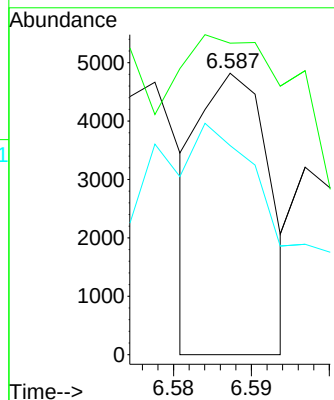
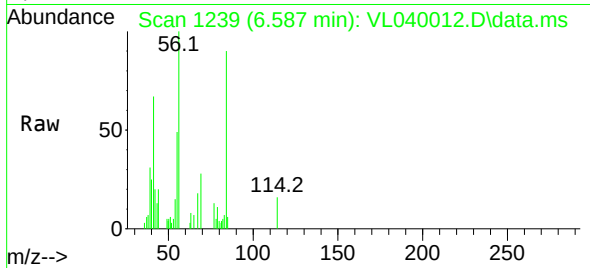




#30  
Cyclohexane  
Concen: 0.028 ppbv  
RT: 6.587 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

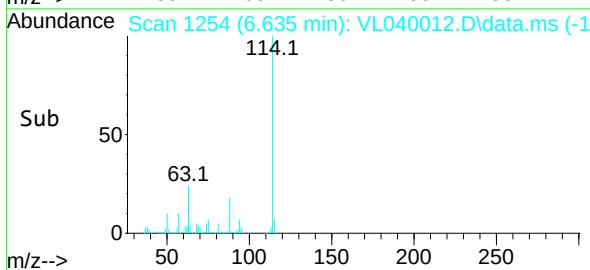
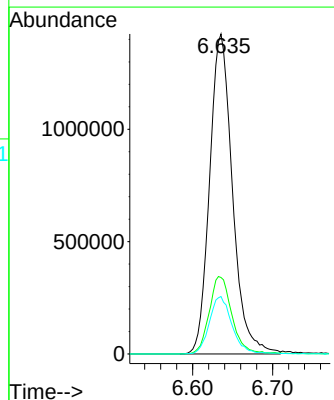
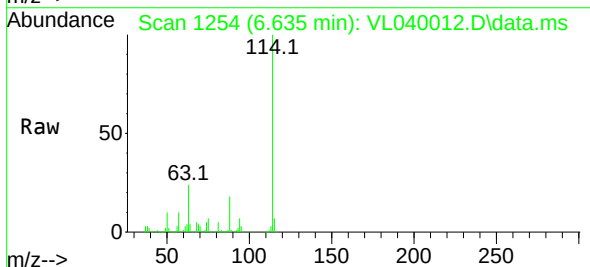
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

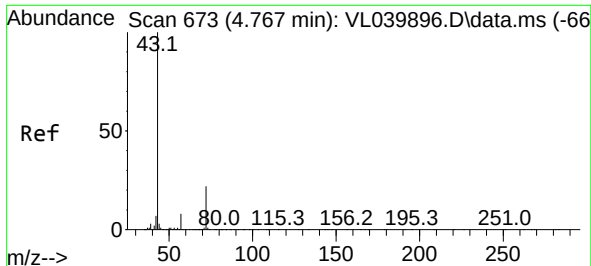
Tgt Ion: 84 Resp: 2998  
Ion Ratio Lower Upper  
84 100  
56 378.2 112.5 168.7#  
41 295.5 67.8 101.8#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.635 min Scan# 1254  
Delta R.T. 0.016 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 114 Resp: 2827926  
Ion Ratio Lower Upper  
114 100  
63 24.3 21.4 32.0  
88 18.0 15.3 22.9

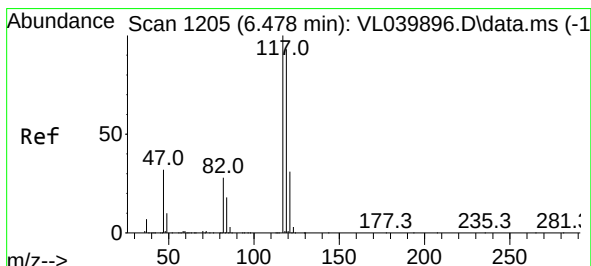
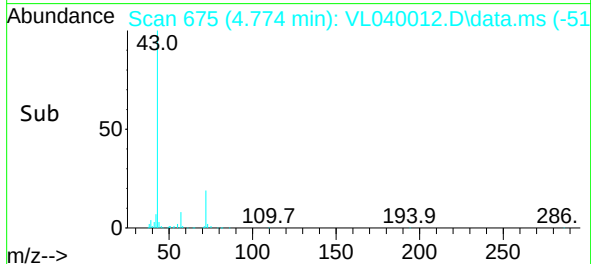
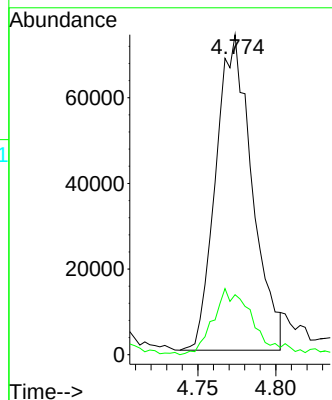
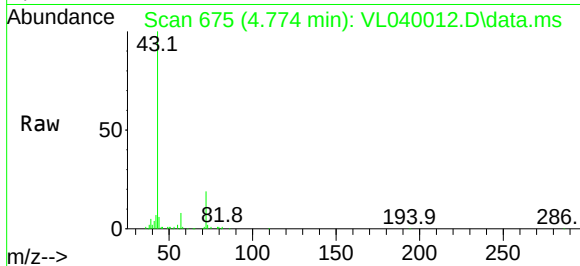




#34  
2-Butanone  
Concen: 0.882 ppbv  
RT: 4.774 min Scan# 61  
Delta R.T. 0.023 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

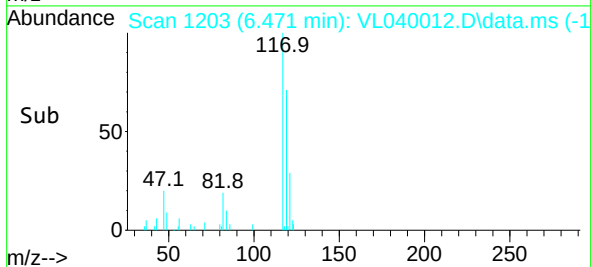
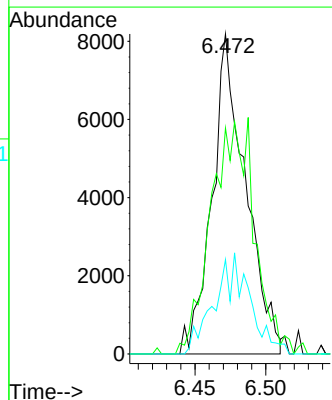
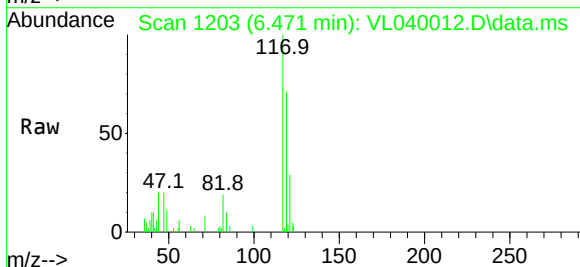
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

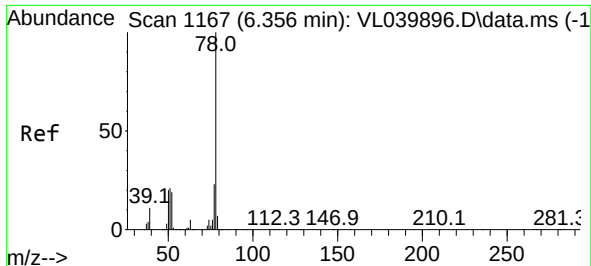
Tgt Ion: 43 Resp: 119338  
Ion Ratio Lower Upper  
43 100  
72 25.0 17.4 26.2



#35  
Carbon Tetrachloride  
Concen: 0.084 ppbv  
RT: 6.471 min Scan# 1203  
Delta R.T. 0.016 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 117 Resp: 13444  
Ion Ratio Lower Upper  
117 100  
119 67.9 74.7 112.1#  
121 29.5 24.5 36.7

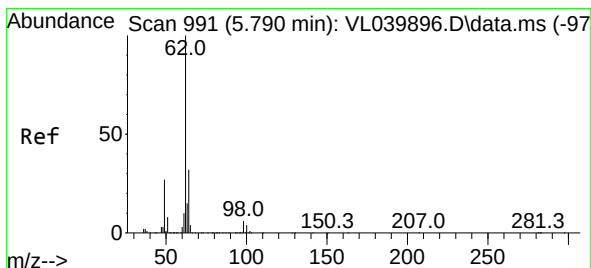
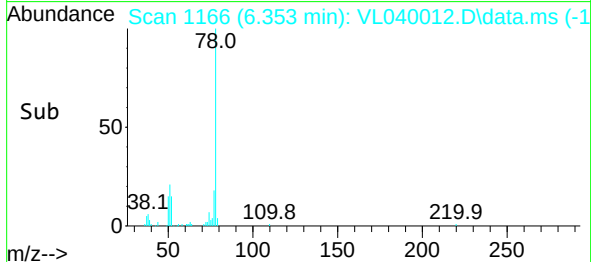
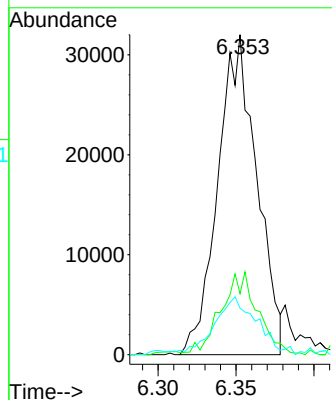
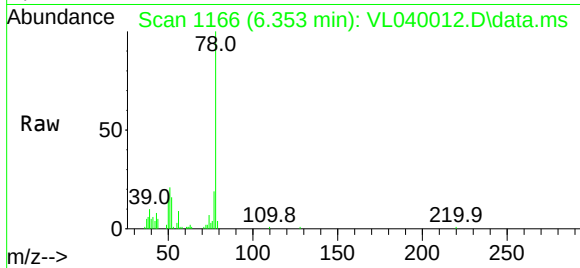




#36  
Benzene  
Concen: 0.231 ppbv  
RT: 6.353 min Scan# 1166  
Delta R.T. 0.019 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

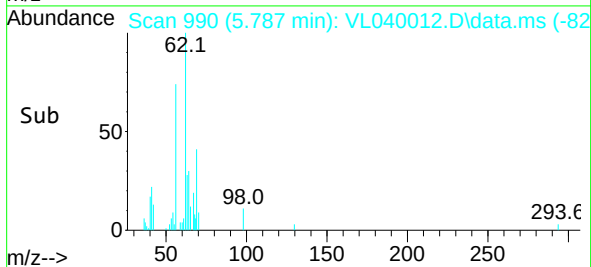
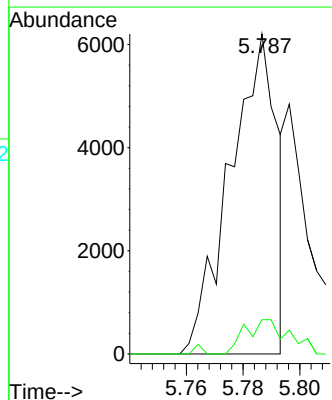
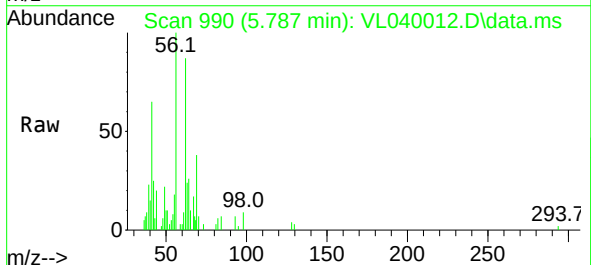
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

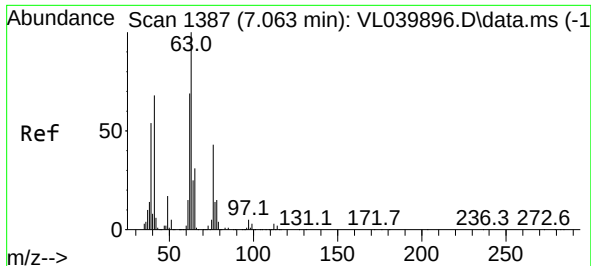
Tgt Ion: 78 Resp: 55618  
Ion Ratio Lower Upper  
78 100  
77 18.4 18.2 27.2  
50 13.2 15.8 23.8#



#37  
1,2-Dichloroethane  
Concen: 0.054 ppbv  
RT: 5.787 min Scan# 990  
Delta R.T. 0.019 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 62 Resp: 7093  
Ion Ratio Lower Upper  
62 100  
98 0.0 5.0 7.6#





#39

1,2-Dichloropropane

Concen: 7.139 ppbv

RT: 6.632 min Scan# 1

Delta R.T. -0.402 min

Lab File: VL040012.D

Acq: 13 Dec 2022 19:33

Instrument :

MSVOA\_L

ClientSampleId :

IA-3

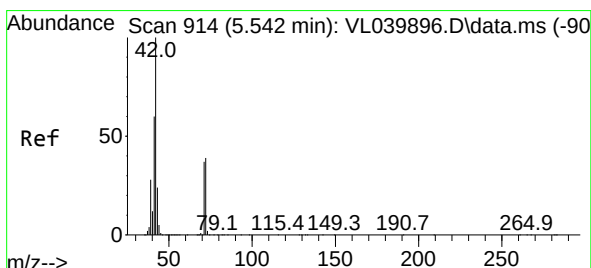
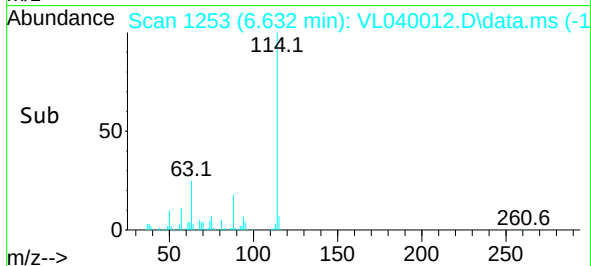
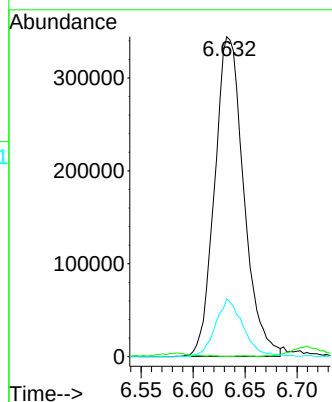
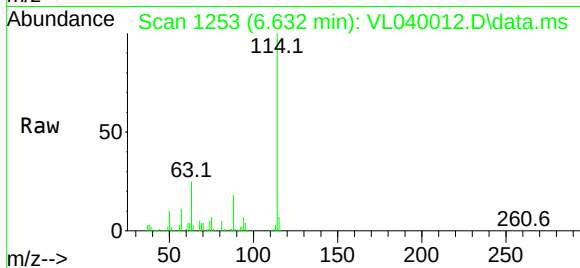
Tgt Ion: 63 Resp: 668549

Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 18.0 55.0 82.6#



#41

Tetrahydrofuran

Concen: 0.025 ppbv

RT: 5.793 min Scan# 992

Delta R.T. 0.273 min

Lab File: VL040012.D

Acq: 13 Dec 2022 19:33

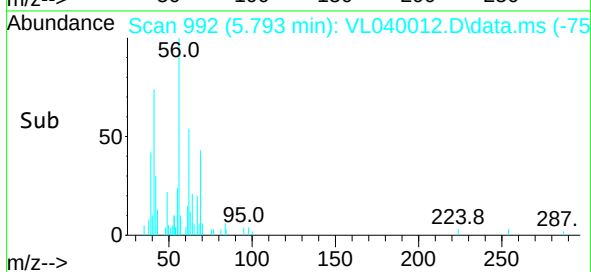
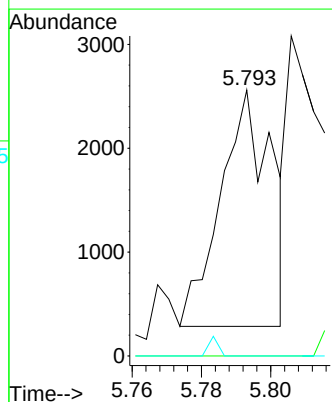
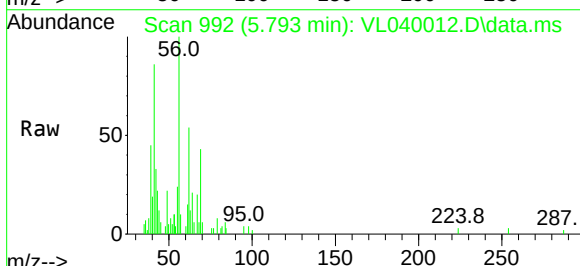
Tgt Ion: 42 Resp: 2317

Ion Ratio Lower Upper

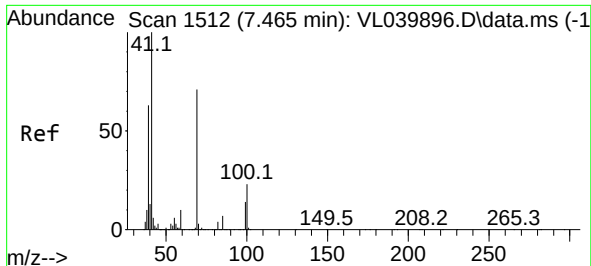
42 100

72 5.5 31.6 47.4#

71 0.0 31.2 46.8#



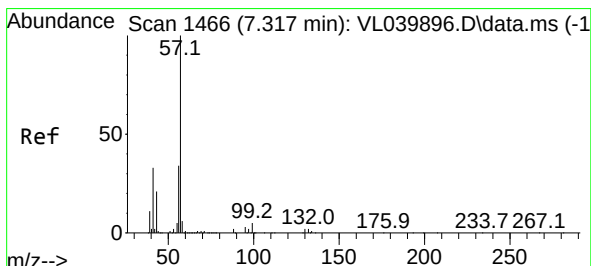
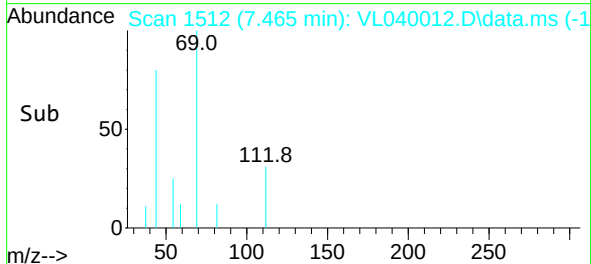
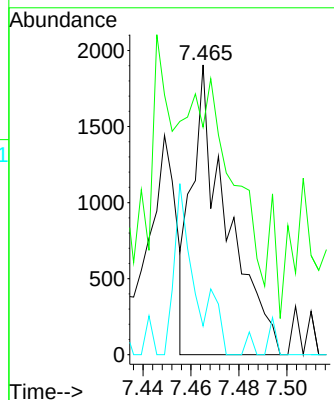
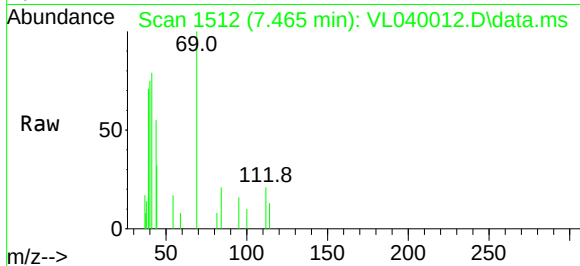




#43  
Methyl Methacrylate  
Concen: 0.020 ppbv  
RT: 7.465 min Scan# 11  
Delta R.T. 0.026 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

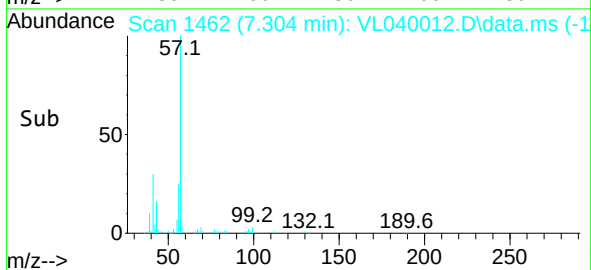
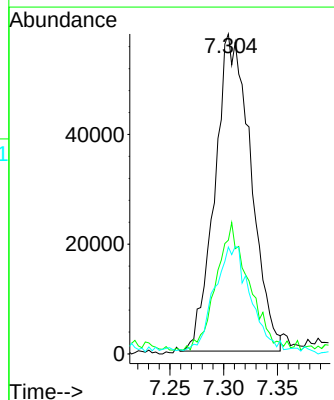
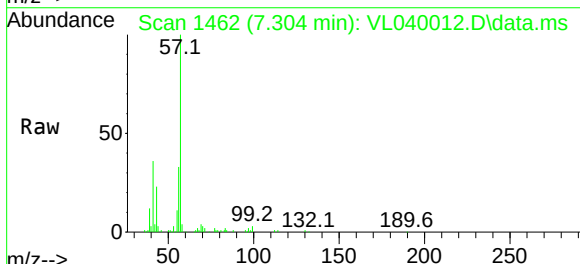
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

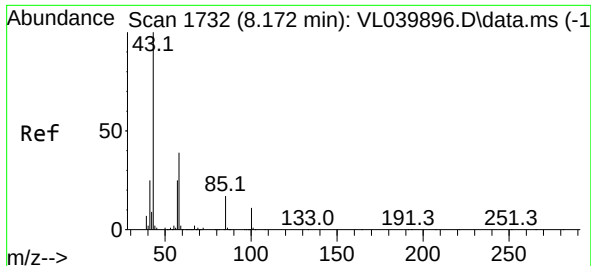
Tgt Ion: 69 Resp: 1919  
Ion Ratio Lower Upper  
69 100  
41 0.0 116.4 174.6#  
100 40.3 26.8 40.2#



#44  
2,2,4-Trimethylpentane  
Concen: 0.335 ppbv  
RT: 7.304 min Scan# 1462  
Delta R.T. 0.013 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 57 Resp: 134506  
Ion Ratio Lower Upper  
57 100  
41 42.7 26.2 39.2#  
56 36.6 25.5 38.3





#50

4-Methyl-2-Pentanone

Concen: 0.079 ppbv

RT: 8.179 min Scan# 1

Delta R.T. 0.032 min

Lab File: VL040012.D

Acq: 13 Dec 2022 19:33

Instrument :

MSVOA\_L

ClientSampleId :

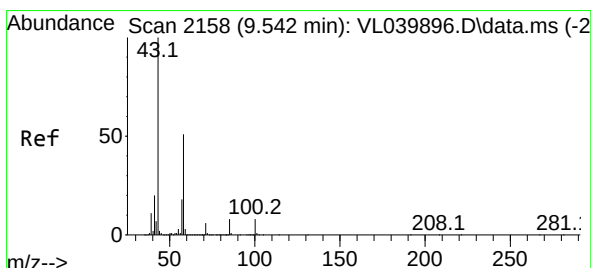
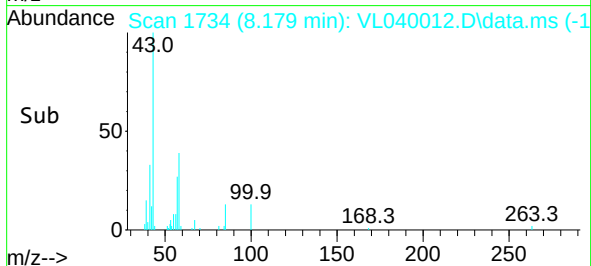
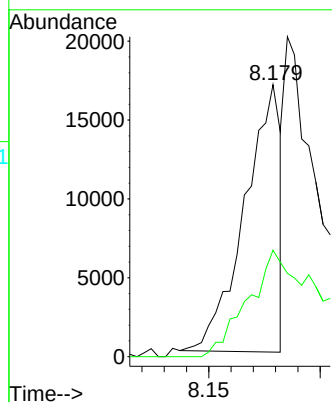
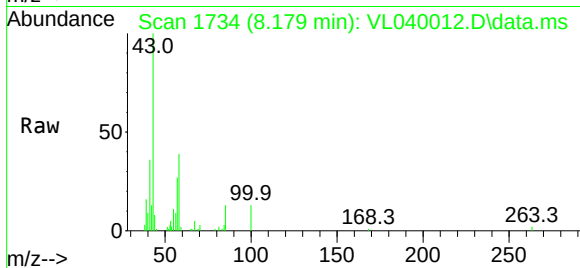
IA-3

Tgt Ion: 43 Resp: 19038

Ion Ratio Lower Upper

43 100

58 78.6 29.8 44.6#



#51

2-Hexanone

Concen: 0.503 ppbv

RT: 9.552 min Scan# 2161

Delta R.T. 0.036 min

Lab File: VL040012.D

Acq: 13 Dec 2022 19:33

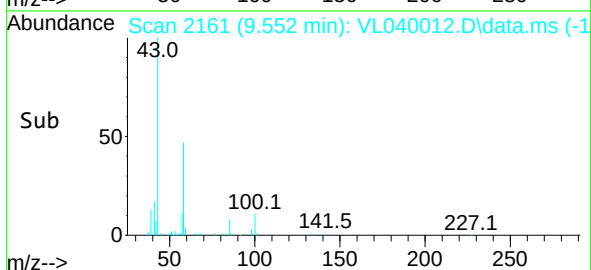
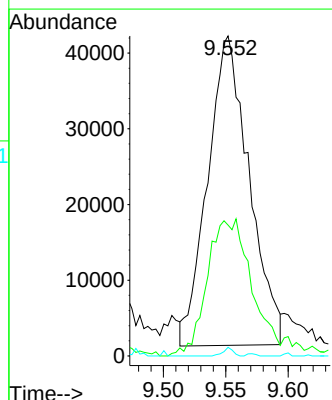
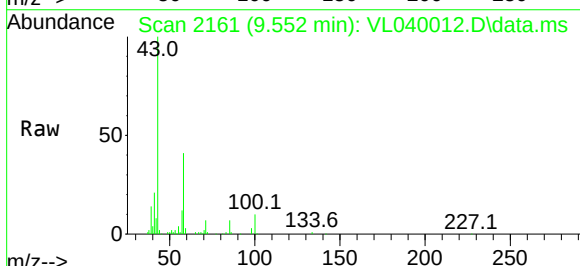
Tgt Ion: 43 Resp: 94694

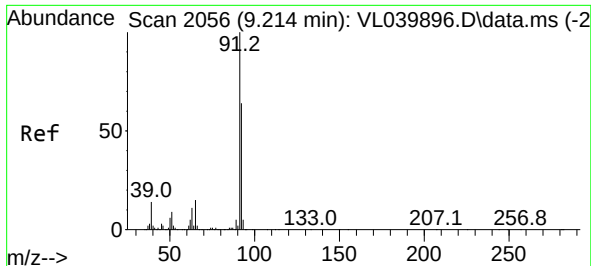
Ion Ratio Lower Upper

43 100

58 51.3 40.2 60.4

98 0.8 0.1 0.1#

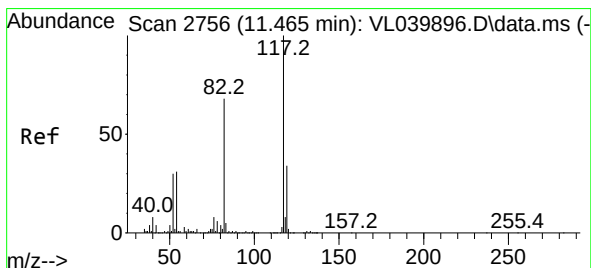
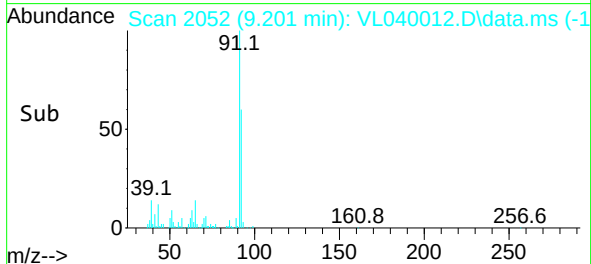
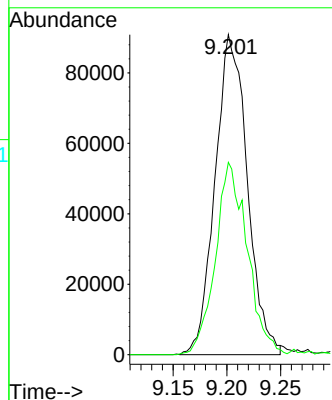
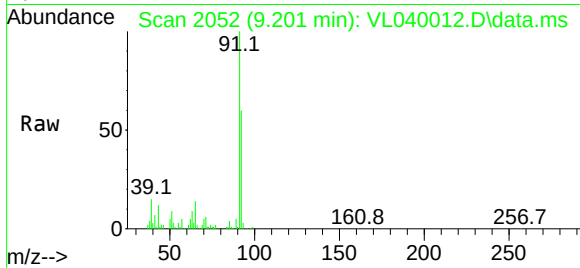




#53  
Toluene  
Concen: 0.692 ppbv  
RT: 9.201 min Scan# 2052  
Delta R.T. 0.016 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

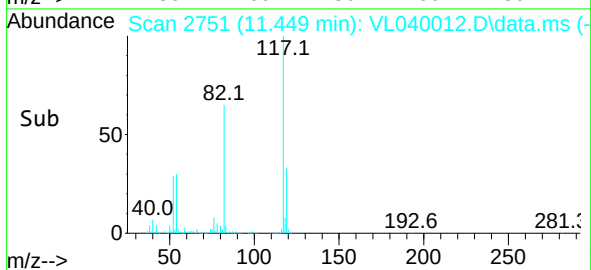
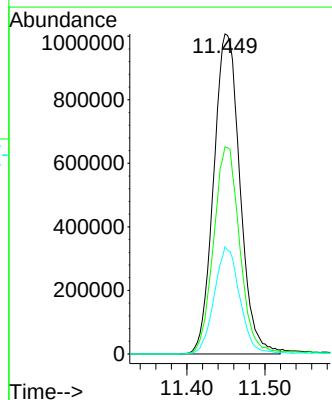
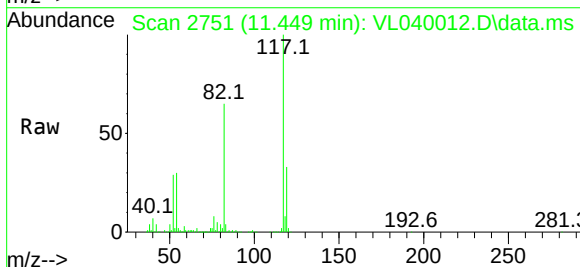
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

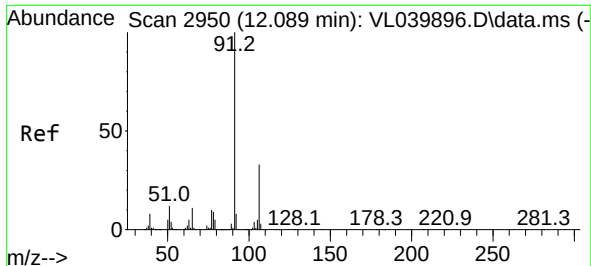
Tgt Ion: 91 Resp: 189375  
Ion Ratio Lower Upper  
91 100  
92 59.6 49.8 74.6



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.449 min Scan# 2751  
Delta R.T. 0.016 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 117 Resp: 2366292  
Ion Ratio Lower Upper  
117 100  
82 64.9 52.3 78.5  
119 32.9 25.7 38.5

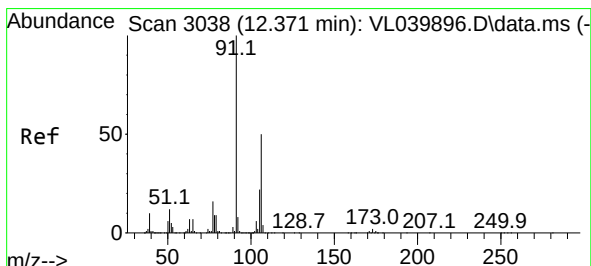
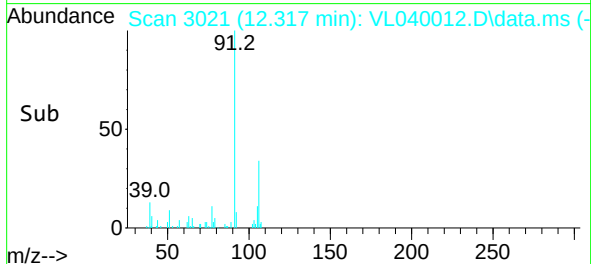
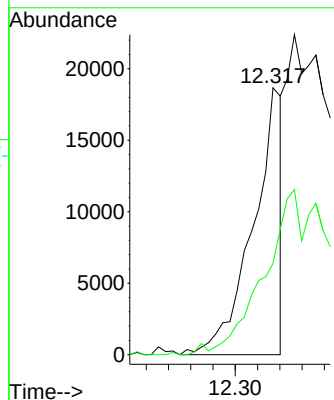
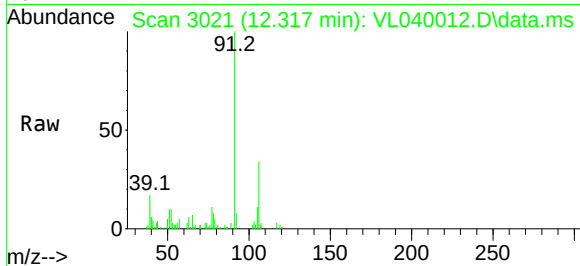




#58  
Ethyl Benzene  
Concen: 0.053 ppbv  
RT: 12.317 min Scan# 3021  
Delta R.T. 0.261 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

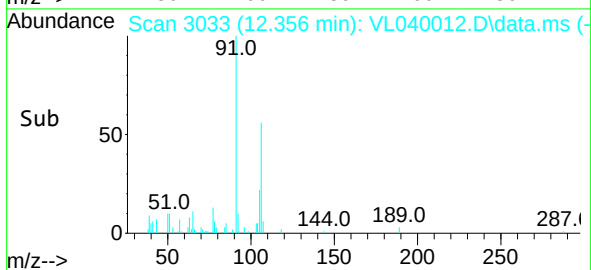
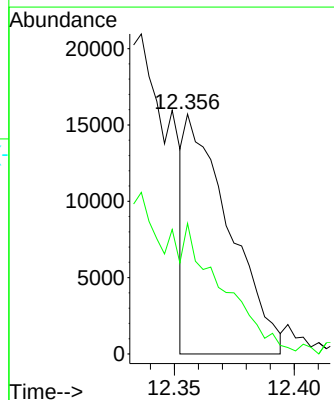
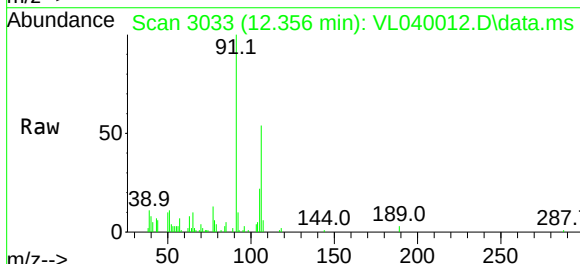
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

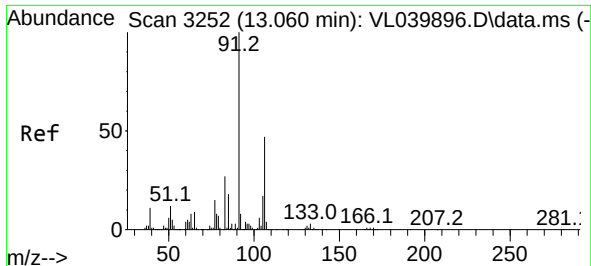
Tgt Ion: 91 Resp: 16997  
Ion Ratio Lower Upper  
91 100  
106 34.1 26.1 39.1



#59  
m/p-Xylene  
Concen: 0.076 ppbv  
RT: 12.356 min Scan# 3033  
Delta R.T. 0.016 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 91 Resp: 20292  
Ion Ratio Lower Upper  
91 100  
106 0.0 37.0 55.6#

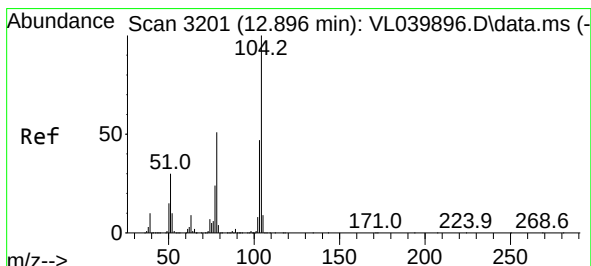
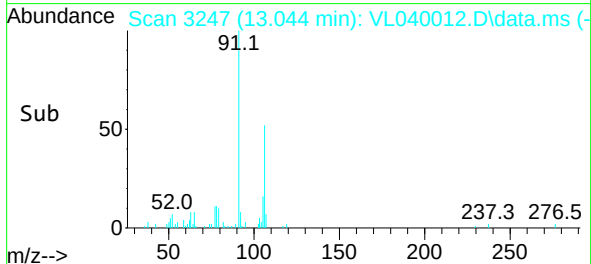
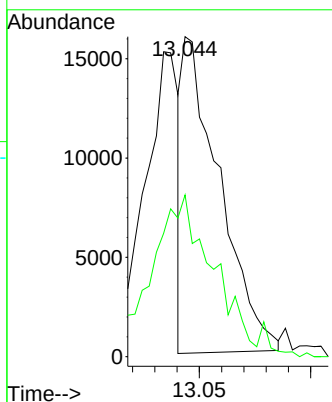
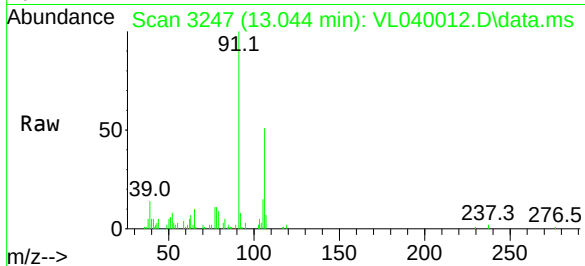




#60  
o-Xylene  
Concen: 0.072 ppbv  
RT: 13.044 min Scan# 3195  
Delta R.T. 0.016 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

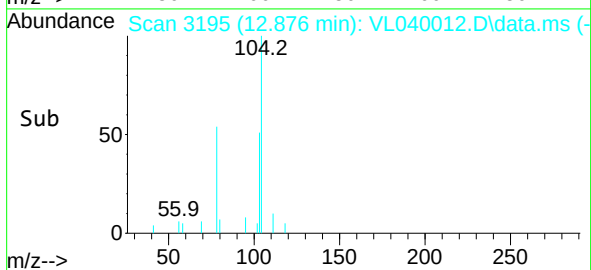
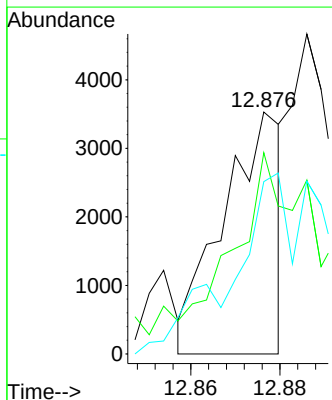
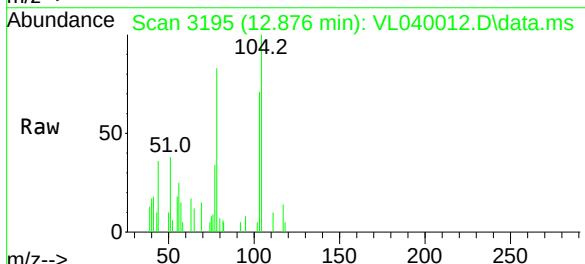
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

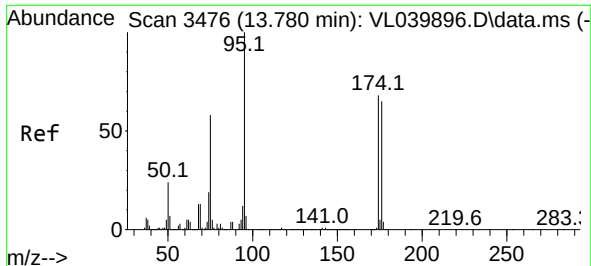
Tgt Ion: 91 Resp: 18345  
Ion Ratio Lower Upper  
91 100  
106 88.9 23.2 69.6#



#61  
Styrene  
Concen: 0.021 ppbv  
RT: 12.876 min Scan# 3195  
Delta R.T. 0.013 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 104 Resp: 3203  
Ion Ratio Lower Upper  
104 100  
78 174.7 41.8 62.8#  
103 159.2 37.2 55.8#

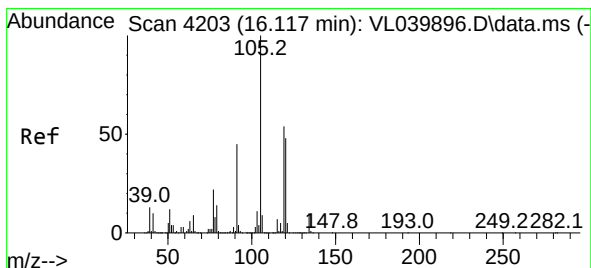
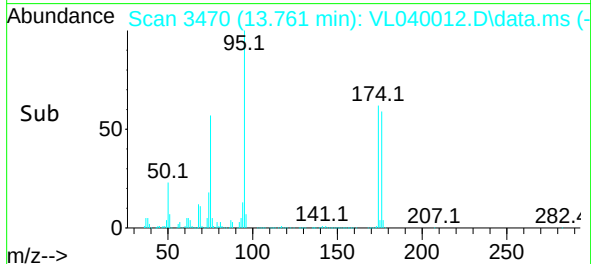
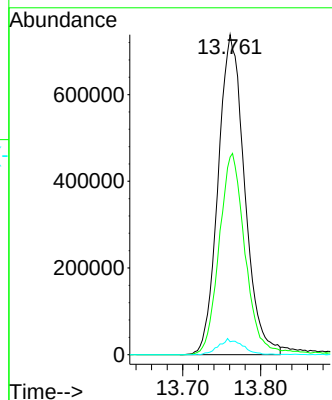
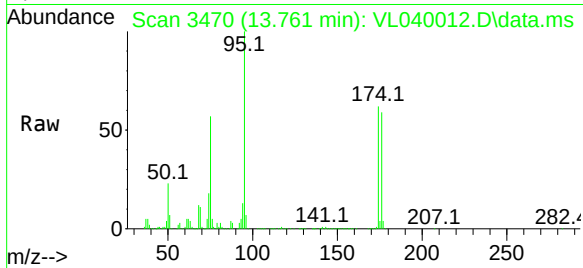




#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.654 ppbv  
RT: 13.761 min Scan# 3476  
Delta R.T. 0.019 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

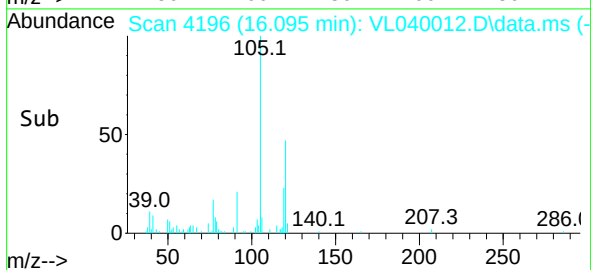
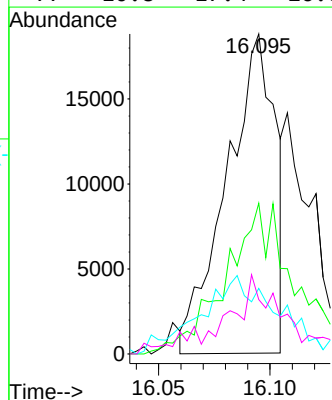
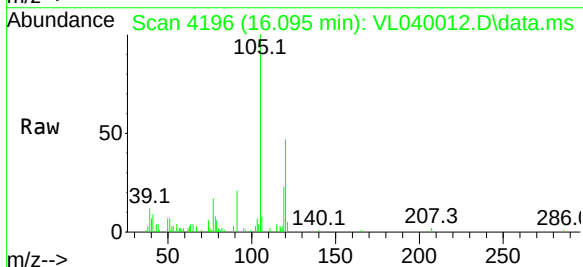
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3

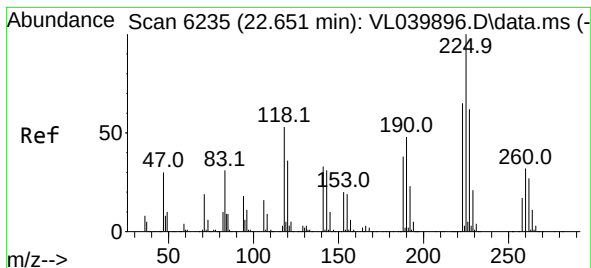
Tgt Ion: 95 Resp: 1744914  
Ion Ratio Lower Upper  
95 100  
174 63.0 53.7 80.5  
175 4.6 4.0 6.0



#74  
1,2,4-Trimethylbenzene  
Concen: 0.102 ppbv  
RT: 16.095 min Scan# 4196  
Delta R.T. 0.019 min  
Lab File: VL040012.D  
Acq: 13 Dec 2022 19:33

Tgt Ion: 105 Resp: 28525  
Ion Ratio Lower Upper  
105 100  
120 44.6 38.7 58.1  
91 11.8 36.4 54.6#  
77 10.8 17.4 26.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.043 ppbv

RT: 22.622 min Scan# 61

Delta R.T. 0.023 min

Lab File: VL040012.D

Acq: 13 Dec 2022 19:33

Instrument :

MSVOA\_L

ClientSampleId :

IA-3

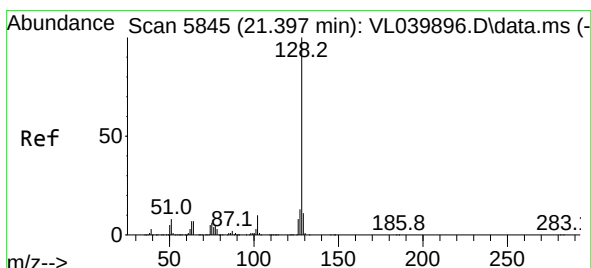
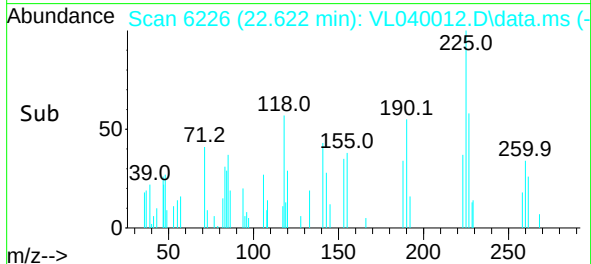
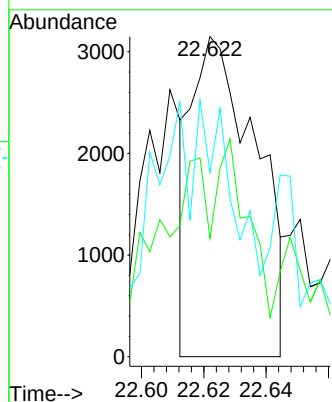
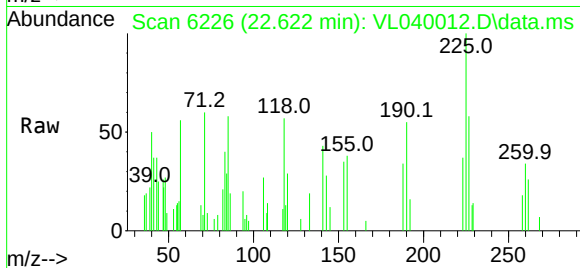
Tgt Ion:225 Resp: 4537

Ion Ratio Lower Upper

225 100

223 113.7 50.7 76.1#

227 137.1 50.8 76.2#



#79

Naphthalene

Concen: 0.043 ppbv

RT: 21.374 min Scan# 5838

Delta R.T. 0.026 min

Lab File: VL040012.D

Acq: 13 Dec 2022 19:33

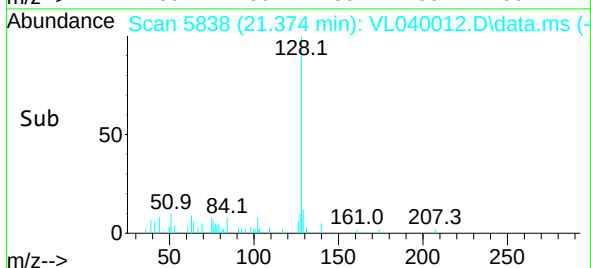
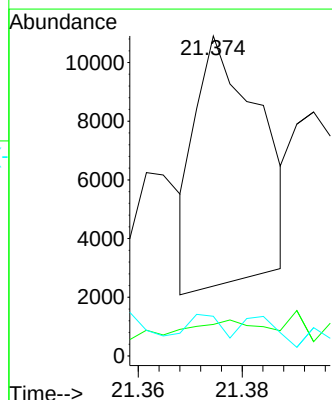
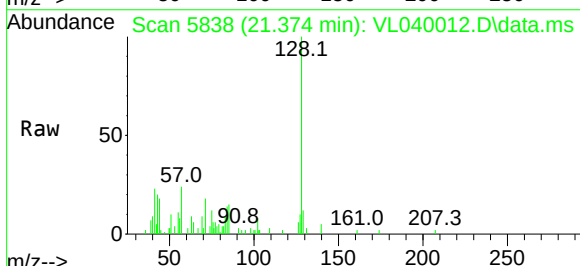
Tgt Ion:128 Resp: 7155

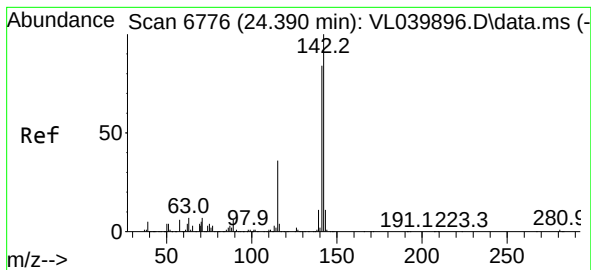
Ion Ratio Lower Upper

128 100

127 4.0 10.0 15.0#

129 10.7 8.8 13.2





#80

Naphthalene, 2-methyl-

Concen: 0.135 ppbv

RT: 24.368 min Scan# 61

Delta R.T. 0.019 min

Lab File: VL040012.D

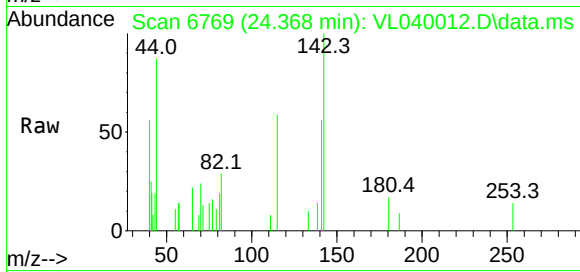
Acq: 13 Dec 2022 19:33

Instrument :

MSVOA\_L

ClientSampleId :

IA-3



Tgt Ion: 142 Resp: 6363

Ion Ratio Lower Upper

142 100

141 75.7 69.1 103.7

115 42.4 29.6 44.4

