

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\  
 Data File : VL035535.D  
 Acq On : 3 Sep 2020 17:54  
 Operator : SY/AP  
 Sample : L3898-02  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-2

Manual Integrations  
 APPROVED

MMDadoda  
 9/8/2020 4:20:07 PM

Quant Time: Sep 05 15:04:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Aug 27 2020  
 QLast Update : Thu Aug 27 06:46:28 2020  
 Response via : Initial Calibration

| Internal Standards          |  |        | R.T.  | QIon     | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--|--------|-------|----------|----------|---------|---------|----------|
| 1) Bromochloromethane       |  |        | 5.70  | 49       | 1023680  | 10.00   | ppbv    | 0.01     |
| 33) 1,4-Difluorobenzene     |  |        | 7.21  | 114      | 4346870  | 10.00   | ppbv    | 0.01     |
| 55) Chlorobenzene-d5        |  |        | 12.12 | 117      | 4371023  | 10.00   | ppbv    | 0.00     |
| System Monitoring Compounds |  |        |       |          |          |         |         |          |
| 68) 1-Bromo-4-Fluorobenzene |  |        | 14.46 | 95       | 3237908  | 10.43   | ppbv    | 0.00     |
| Spiked Amount               |  | 10.000 | Range | 65 - 135 | Recovery | =       | 104.30% |          |
| Target Compounds            |  |        |       |          |          |         |         | Ovalue   |
| 2) Dichlorodifluoromethane  |  |        | 3.06  | 85       | 67439    | 0.380   | ppbv    | 93       |
| 3) Chlorodifluoromethane    |  |        | 3.00  | 51       | 68754m   | 0.607   | ppbv    |          |
| 4) Chloromethane            |  |        | 3.15  | 50       | 31519    | 0.520   | ppbv    | 99       |
| 9) Propene                  |  |        | 3.03  | 41       | 302760   | 6.937   | ppbv    | # 64     |
| 10) Heptane                 |  |        | 8.15  | 43       | 51314    | 0.438   | ppbv    | 97       |
| 11) Trichlorofluoromethane  |  |        | 3.96  | 101      | 364631   | 1.409   | ppbv    | 100      |
| 13) Ethanol                 |  |        | 3.63  | 45       | 1279365  | 118.220 | ppbv    | 97       |
| 15) Acetone                 |  |        | 3.86  | 43       | 9681853  | 85.754  | ppbv    | # 69     |
| 19) Isopropyl Alcohol       |  |        | 4.00  | 45       | 456936   | 6.784   | ppbv    | # 93     |
| 20) Methylene Chloride      |  |        | 4.37  | 84       | 225904   | 2.686   | ppbv    | 96       |
| 26) Hexane                  |  |        | 5.71  | 57       | 165374   | 1.463   | ppbv    | 86       |
| 30) Cyclohexane             |  |        | 7.15  | 84       | 24927    | 0.206   | ppbv    | # 91     |
| 32) 1,1,1-Trichloroethane   |  |        | 6.54  | 97       | 7303m    | 0.033   | ppbv    |          |
| 34) 2-Butanone              |  |        | 5.27  | 43       | 343467   | 2.662   | ppbv    | 99       |
| 35) Carbon Tetrachloride    |  |        | 7.05  | 117      | 15303m   | 0.070   | ppbv    |          |
| 36) Benzene                 |  |        | 6.92  | 78       | 124622   | 0.443   | ppbv    | # 95     |
| 37) 1,2-Dichloroethane      |  |        | 6.33  | 62       | 12765    | 0.095   | ppbv    | # 92     |
| 38) Trichloroethene         |  |        | 7.87  | 130      | 7282m    | 0.045   | ppbv    |          |
| 40) 1,4-Dioxane             |  |        | 7.89  | 88       | 6336m    | 0.133   | ppbv    |          |
| 41) Tetrahydrofuran         |  |        | 6.09  | 42       | 14452m   | 0.211   | ppbv    |          |
| 44) 2,2,4-Trimethylpentane  |  |        | 7.90  | 57       | 205612m  | 0.555   | ppbv    |          |
| 50) 4-Methyl-2-Pentanone    |  |        | 8.78  | 43       | 32907m   | 0.176   | ppbv    |          |
| 52) Tetrachloroethene       |  |        | 11.26 | 164      | 22793    | 0.139   | ppbv    | 94       |
| 53) Toluene                 |  |        | 9.84  | 91       | 1134092  | 3.205   | ppbv    | 97       |
| 58) Ethyl Benzene           |  |        | 12.75 | 91       | 228997   | 0.508   | ppbv    | 89       |
| 59) m/p-Xylene              |  |        | 13.00 | 91       | 775664   | 2.059   | ppbv    | 96       |
| 60) o-Xylene                |  |        | 13.73 | 91       | 275436   | 0.726   | ppbv    | 96       |
| 69) p-Isopropyltoluene      |  |        | 17.70 | 119      | 183451   | 0.277   | ppbv    | 94       |
| 72) 4-Ethyltoluene          |  |        | 15.89 | 105      | 79722    | 0.165   | ppbv    | # 91     |
| 73) 1,3,5-Trimethylbenzene  |  |        | 16.04 | 105      | 85785    | 0.192   | ppbv    | 87       |
| 74) 1,2,4-Trimethylbenzene  |  |        | 16.80 | 105      | 318952   | 0.651   | ppbv    | # 67     |
| 76) 1,4-Dichlorobenzene     |  |        | 17.18 | 146      | 51183    | 0.143   | ppbv    | 93       |
| 79) Naphthalene             |  |        | 22.26 | 128      | 1900995  | 3.498   | ppbv    | 96       |
| 80) Naphthalene,2-methyl-   |  |        | 25.02 | 142      | 164905   | 0.889   | ppbv    | 100      |

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

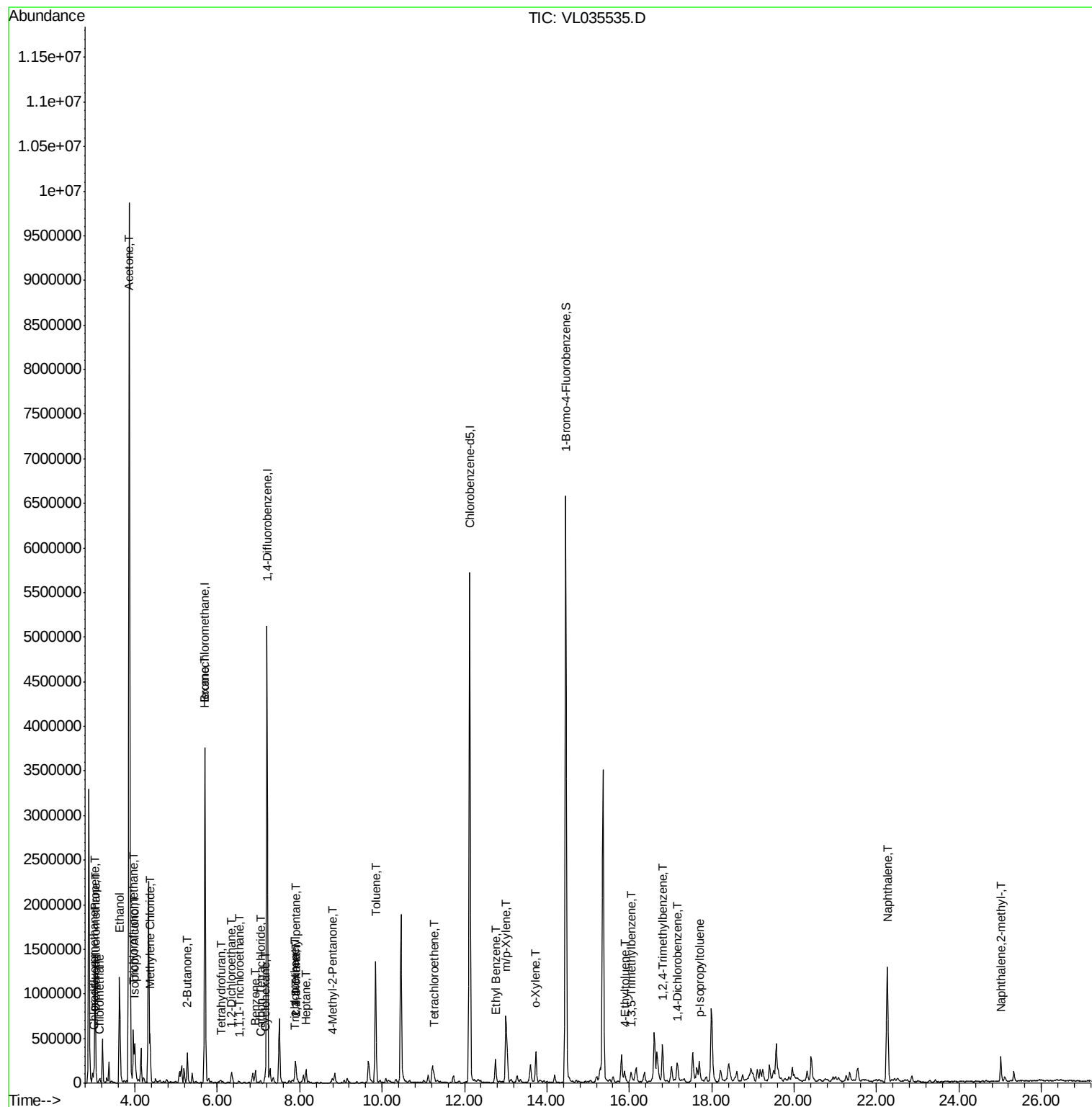
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090320\  
Data File : VL035535.D  
Acq On : 3 Sep 2020 17:54  
Operator : SY/AP  
Sample : L3898-02  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

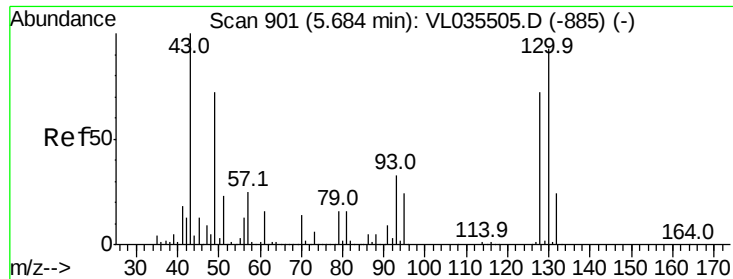
Instrument :  
MSVOA\_L  
ClientSampled :  
IA-2

Manual Integrations  
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Quant Time: Sep 05 15:04:25 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Aug  
QLast Update : Thu Aug 27 06:46:28 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL035535.D

Acq: 3 Sep 2020 17:54

Instrument :

MSVOA\_L

ClientSampled :

IA-2

Tot Ion: 49 Resp: 1023680

Ion Ratio Lower Upper

49 100

128 95.5 50.0 150.1

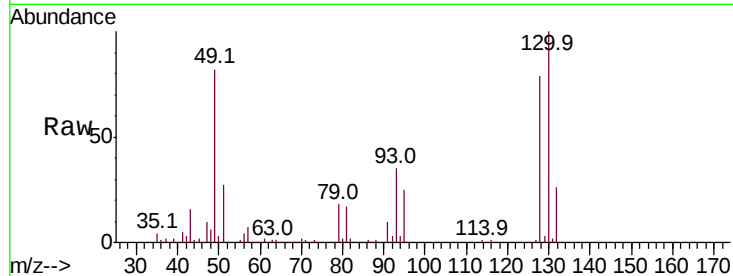
130 122.9 64.4 193.2

Manual Integrations

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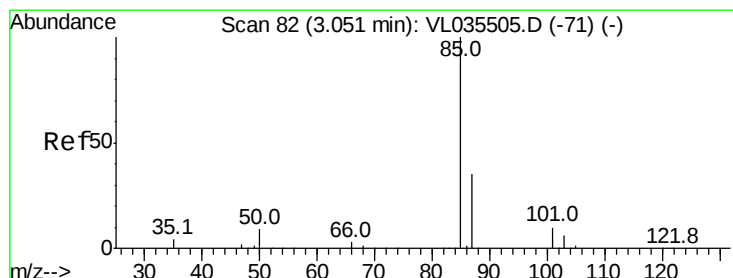
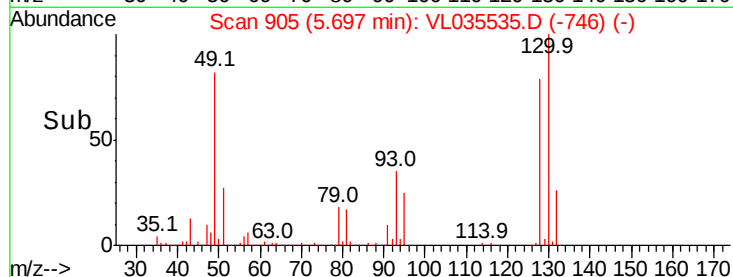
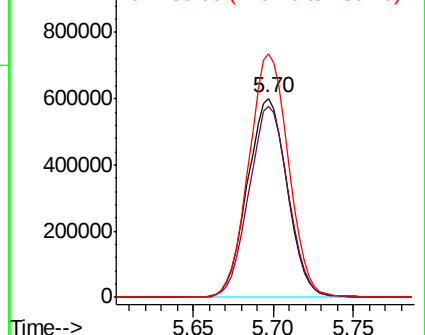
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.380 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL035535.D

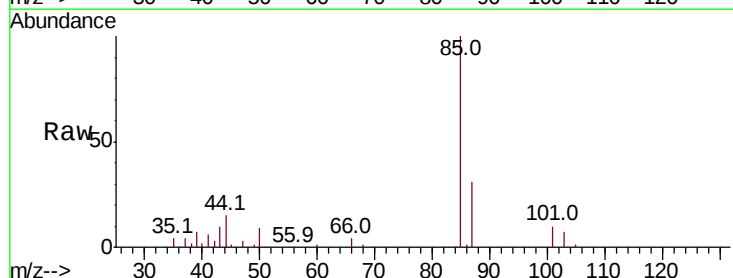
Acq: 3 Sep 2020 17:54

Tgt Ion: 85 Resp: 67439

Ion Ratio Lower Upper

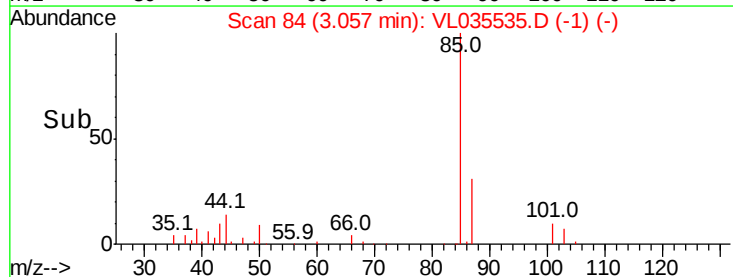
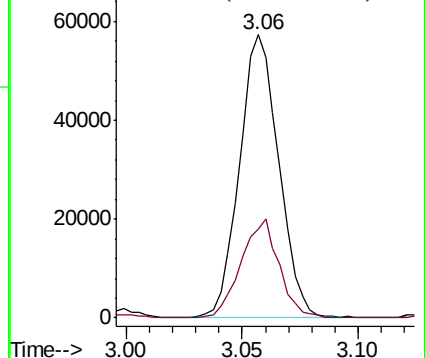
85 100

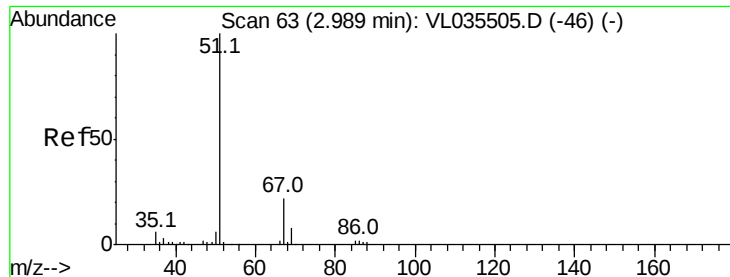
87 31.2 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.607 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL035535.D

Acq: 3 Sep 2020 17:54

Instrument :

MSVOA\_L

ClientSampleId :

IA-2

Tot Ion: 51 Resp: 68754

Ion Ratio Lower Upper

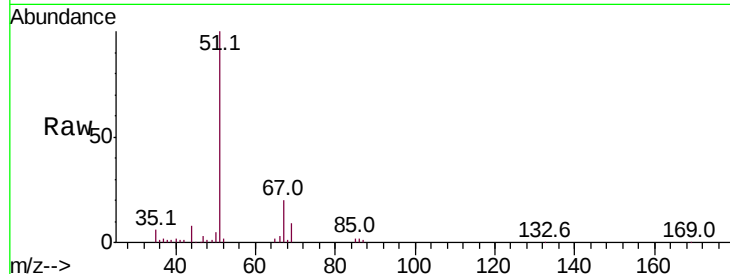
51 100

67 22.8 17.8 26.8

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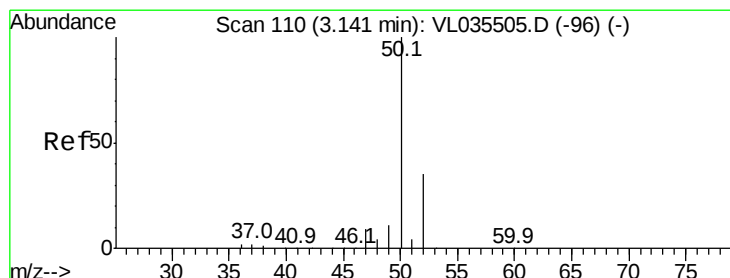
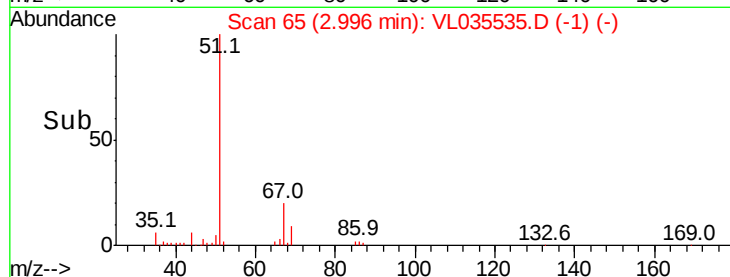
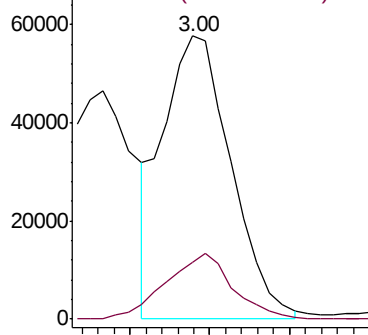
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.520 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL035535.D

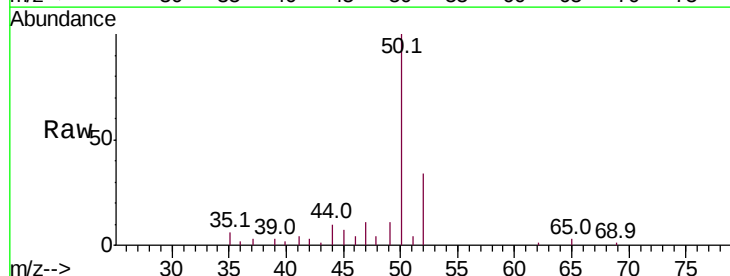
Acq: 3 Sep 2020 17:54

Tgt Ion: 50 Resp: 31519

Ion Ratio Lower Upper

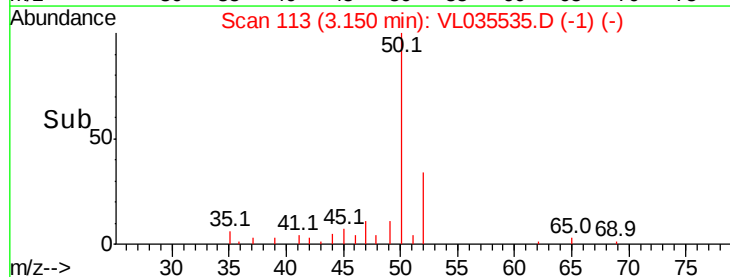
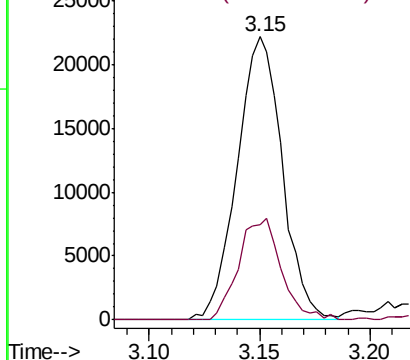
50 100

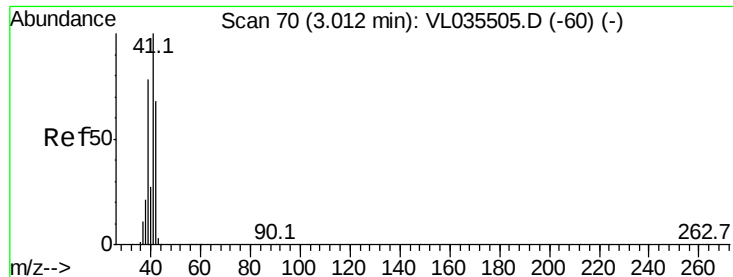
52 33.8 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 6.937 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.02 min

Lab File: VL035535.D

Acq: 3 Sep 2020 17:54

Instrument :

MSVOA\_L

ClientSampleId :

IA-2

Tot Ion: 41 Resp: 302760

Ion Ratio Lower Upper

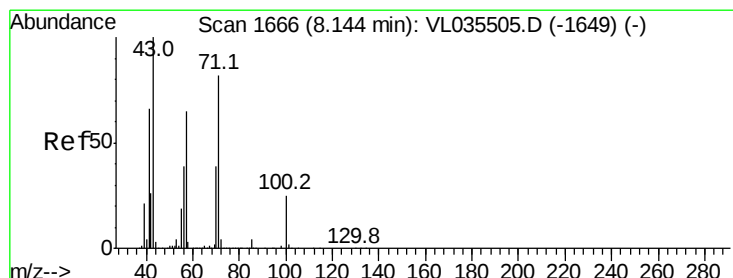
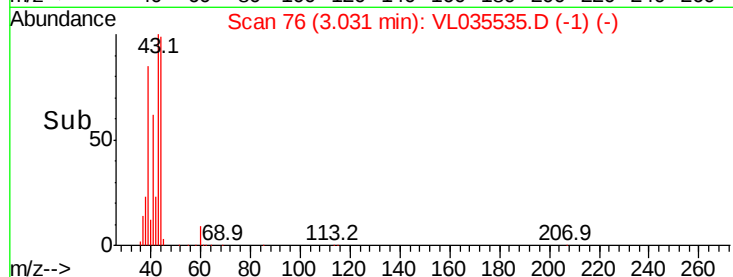
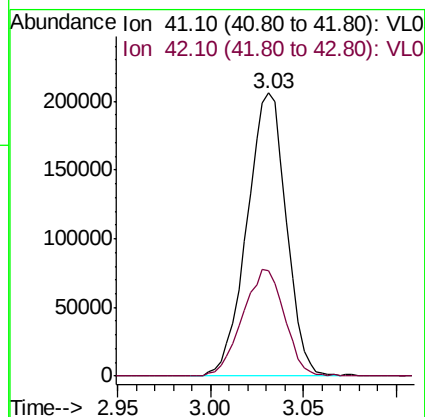
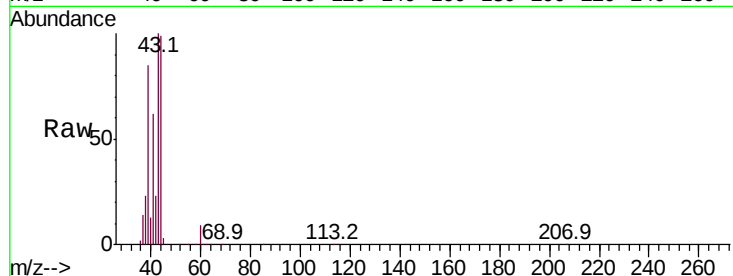
41 100

42 40.4 56.3 84.5#

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#10

Heptane

Concen: 0.438 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VL035535.D

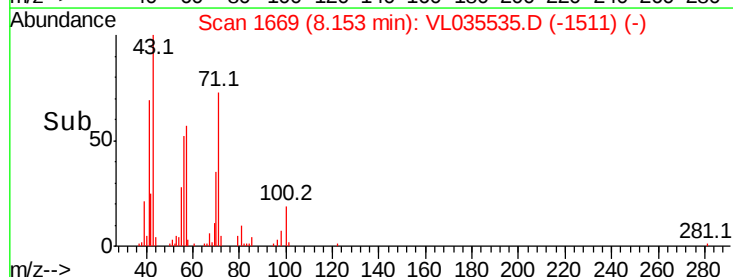
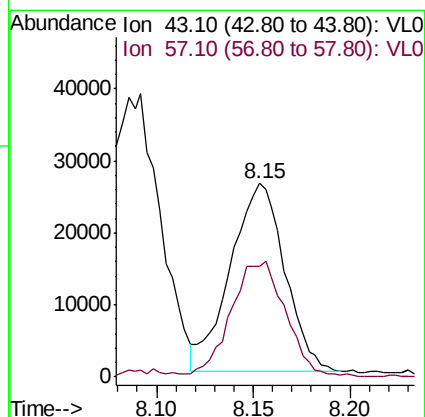
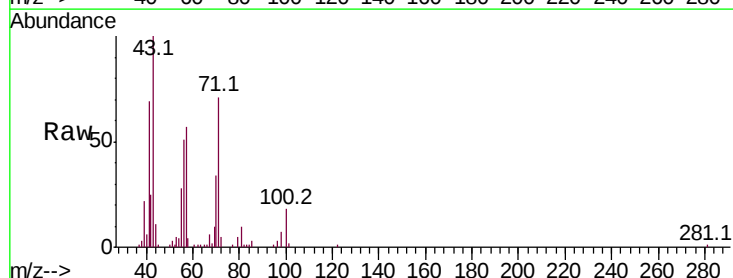
Acq: 3 Sep 2020 17:54

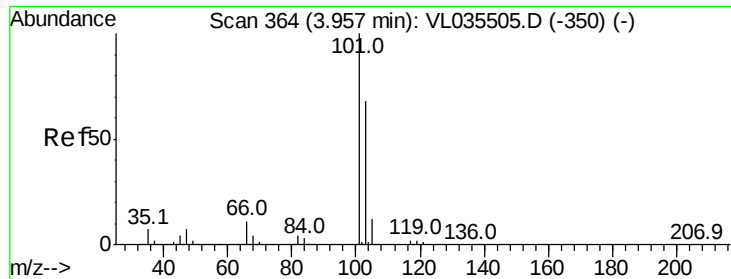
Tgt Ion: 43 Resp: 51314

Ion Ratio Lower Upper

43 100

57 62.2 51.4 77.0





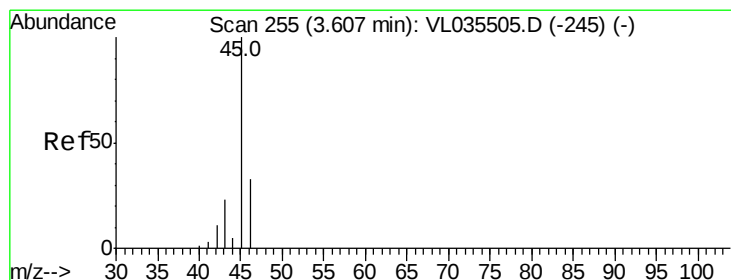
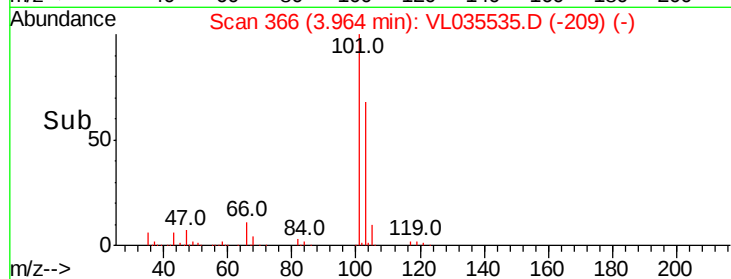
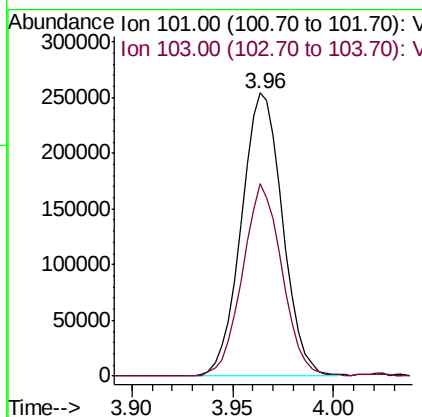
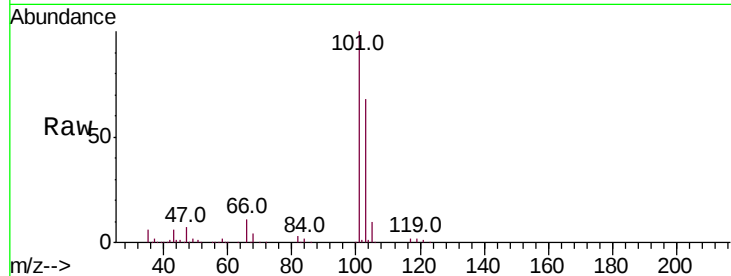
#11  
 Trichlorofluoromethane  
 Concen: 1.409 ppbv  
 RT: 3.96 min Scan# 366  
 Delta R.T. 0.01 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 IA-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 67.7  | 54.5  | 81.7  |

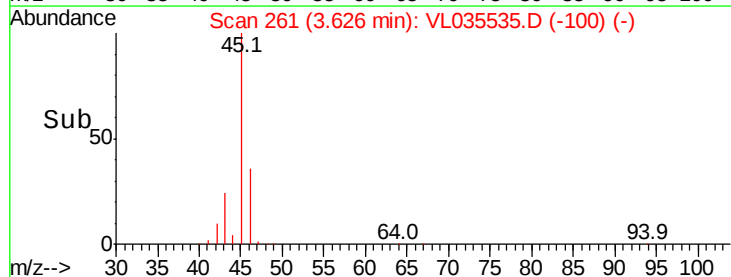
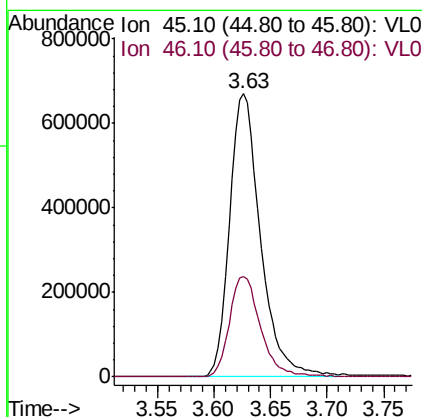
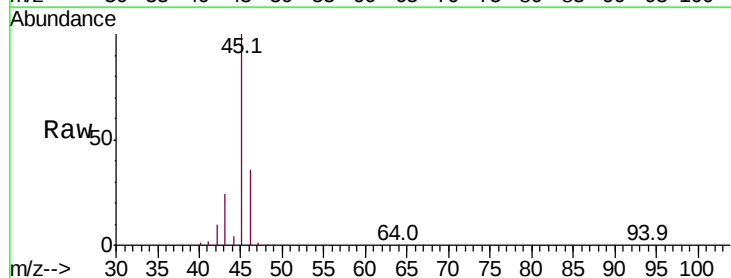
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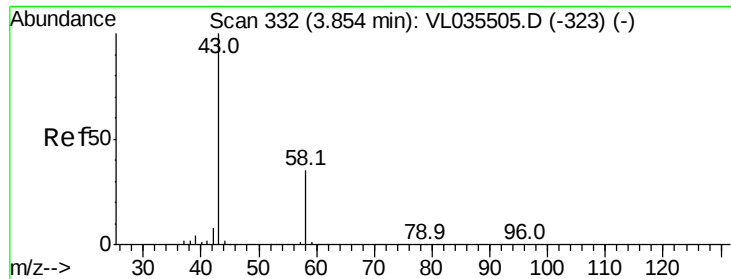
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#13  
 Ethanol  
 Concen: 118.220 ppbv  
 RT: 3.63 min Scan# 261  
 Delta R.T. 0.02 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 46      | 36.0  | 15.2  | 60.6  |





#15

Acetone

Concen: 85.754 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035535.D

Acq: 3 Sep 2020 17:54

Instrument :

MSVOA\_L

ClientSampleId :

IA-2

Tot Ion: 43 Resp: 9681853

Ion Ratio Lower Upper

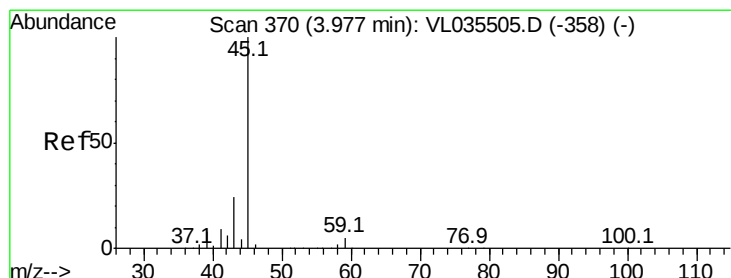
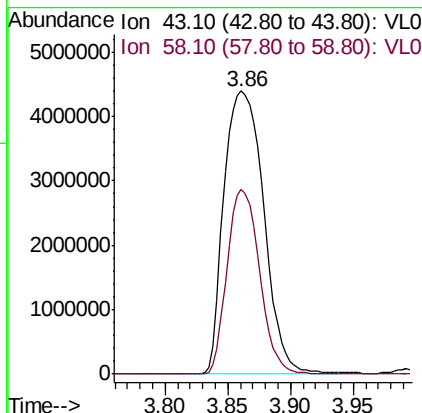
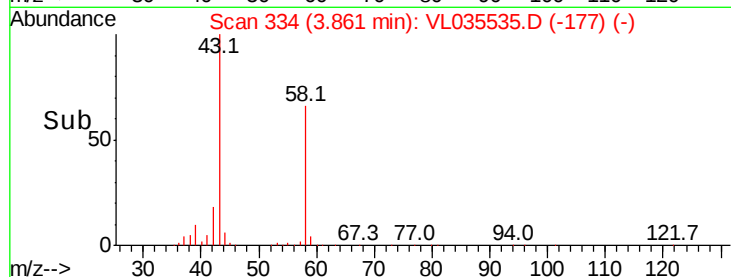
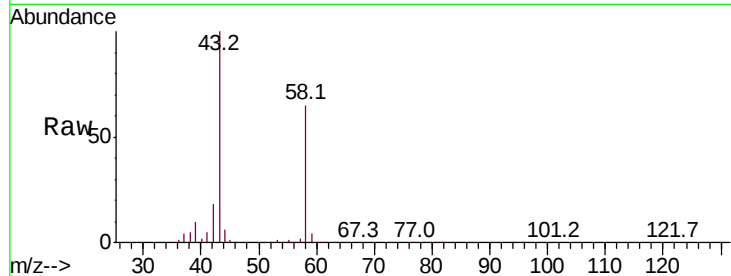
43 100

58 53.4 28.4 42.6#

Manual Integrations  
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#19

Isopropyl Alcohol

Concen: 6.784 ppbv

RT: 4.00 min Scan# 376

Delta R.T. 0.02 min

Lab File: VL035535.D

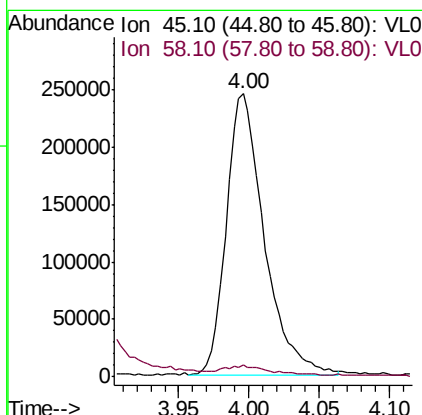
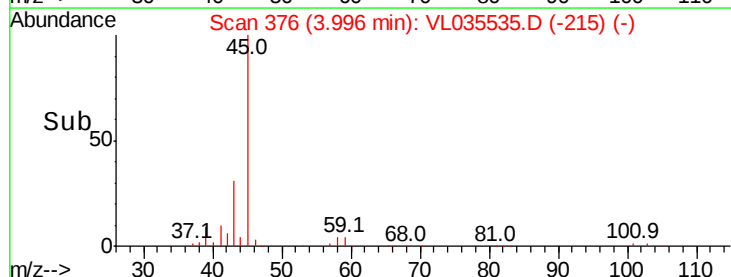
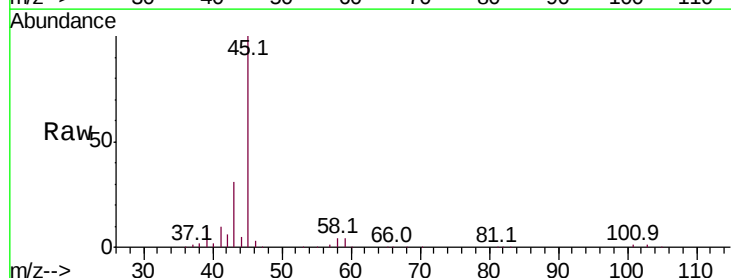
Acq: 3 Sep 2020 17:54

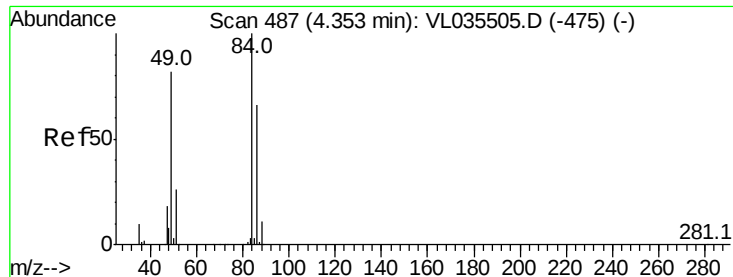
Tgt Ion: 45 Resp: 456936

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#





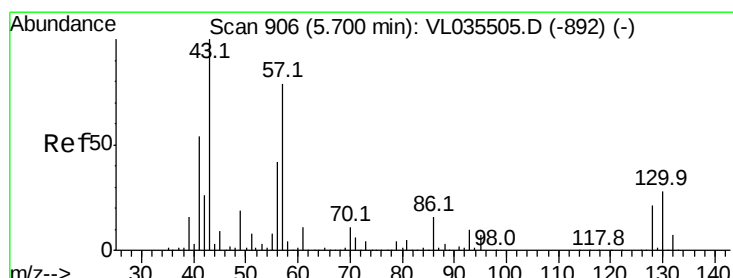
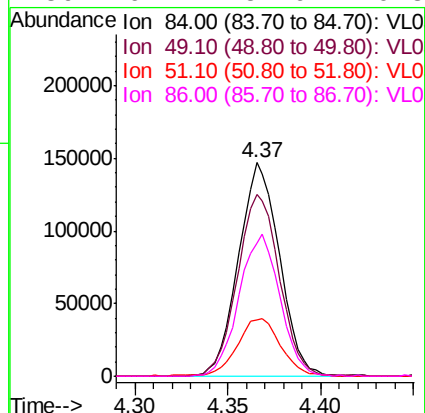
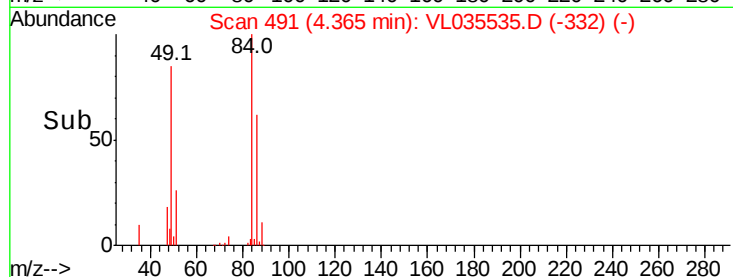
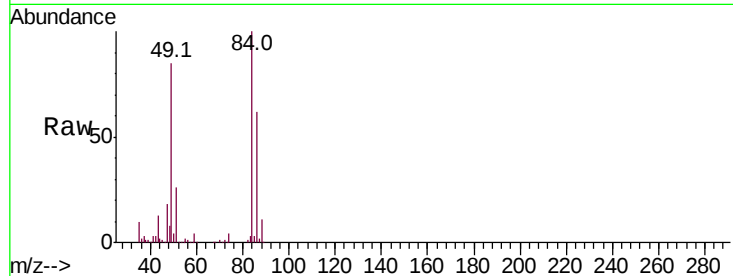
#20  
Methvlene Chloride  
Concen: 2.686 ppbv  
RT: 4.37 min Scan# 491  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

Instrument :  
MSVOA\_L  
ClientSampled :  
IA-2

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 84      | 100  |       |       |       |
| 49      | 84.7 | 65.4  | 98.0  |       |
| 51      | 26.0 | 21.5  | 32.3  |       |
| 86      | 62.1 | 52.9  | 79.3  |       |

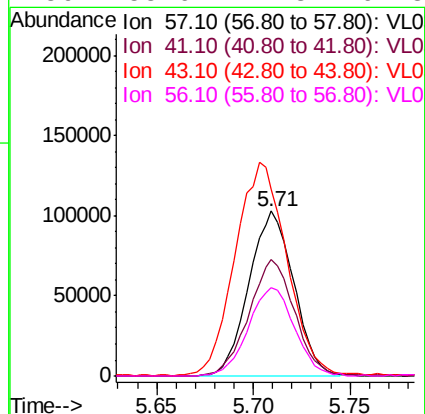
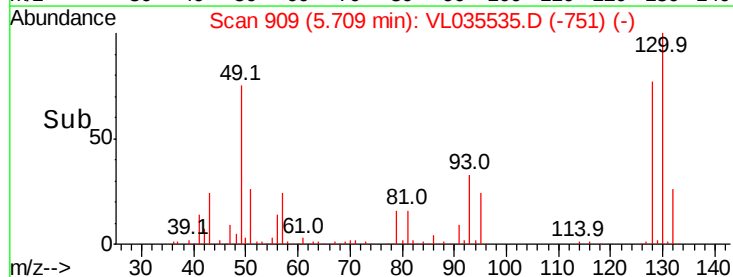
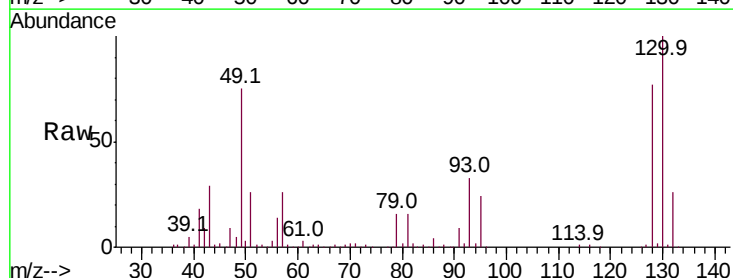
Manual Integrations  
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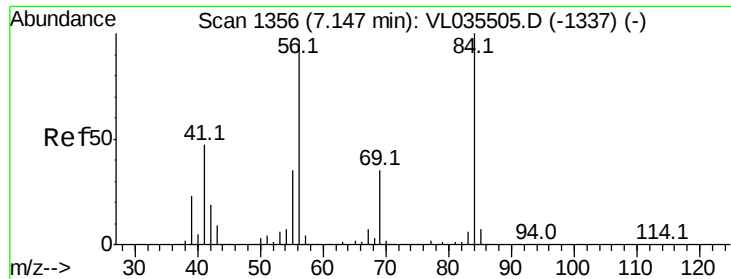
MMDadoda  
9/8/2020 4:20:07 PM



#26  
Hexane  
Concen: 1.463 ppbv  
RT: 5.71 min Scan# 909  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 57      | 100   |       |       |       |
| 41      | 73.1  | 55.9  | 83.9  |       |
| 43      | 147.6 | 141.8 | 212.8 |       |
| 56      | 55.6  | 41.8  | 62.8  |       |





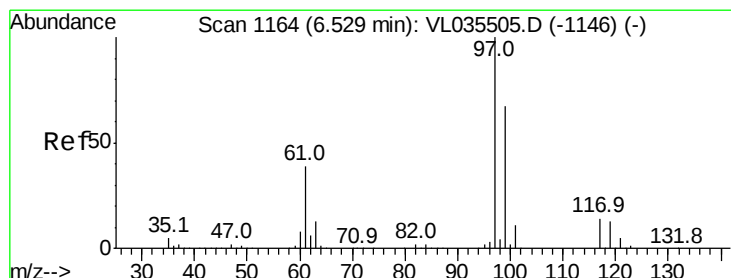
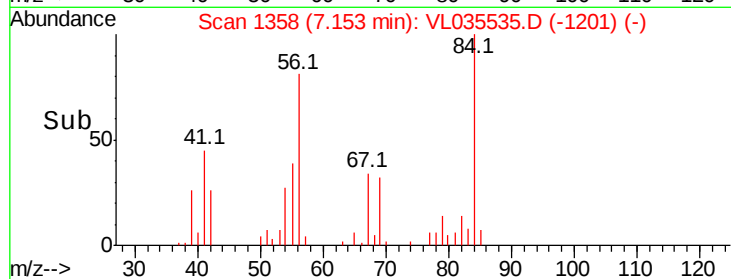
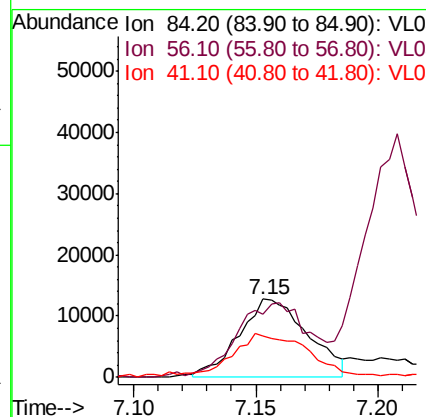
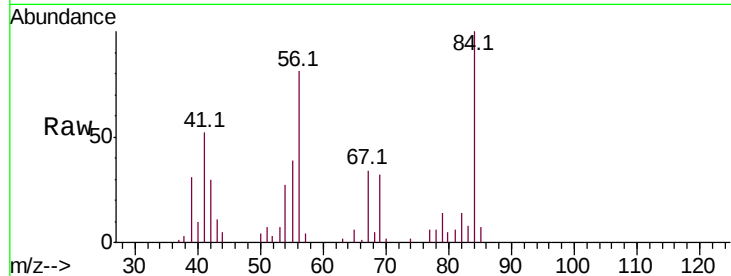
#30  
Cyclohexane  
Concen: 0.206 ppbv  
RT: 7.15 min Scan# 1358  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

Instrument :  
MSVOA\_L  
ClientSampled :  
IA-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 56      | 105.3 | 80.1  | 120.1 |
| 41      | 59.2  | 38.1  | 57.1# |

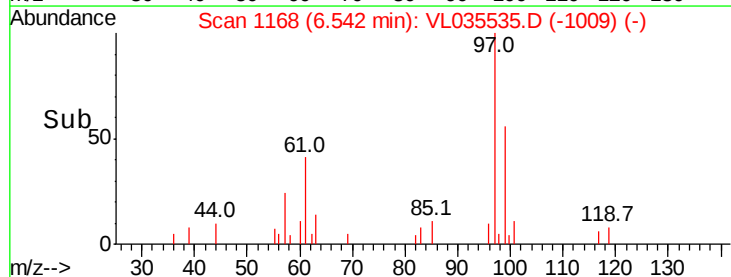
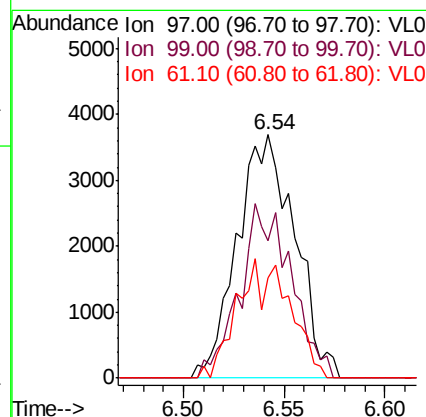
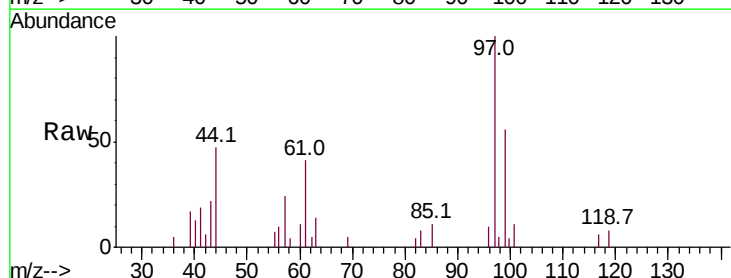
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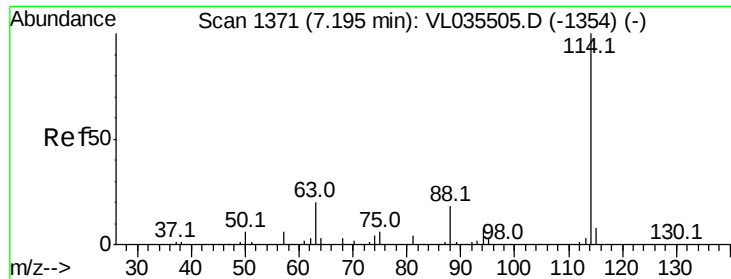
MMDadoda  
9/8/2020 4:20:07 PM



#32  
1,1,1-Trichloroethane  
Concen: 0.033 ppbv m  
RT: 6.54 min Scan# 1168  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 0.0   | 53.3  | 79.9# |
| 61      | 0.0   | 30.6  | 46.0# |





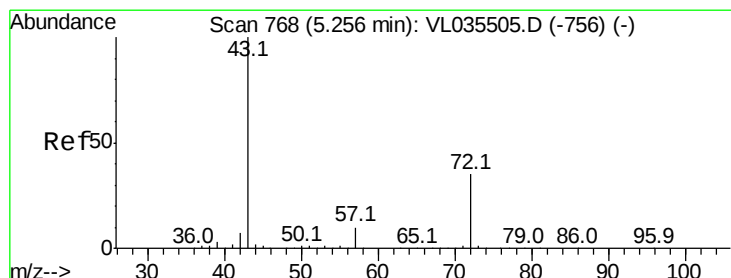
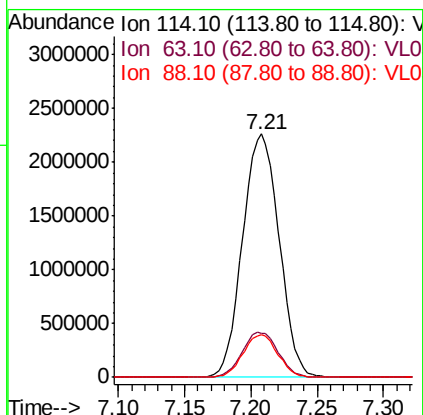
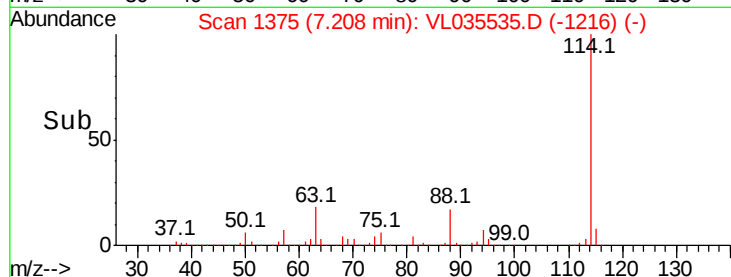
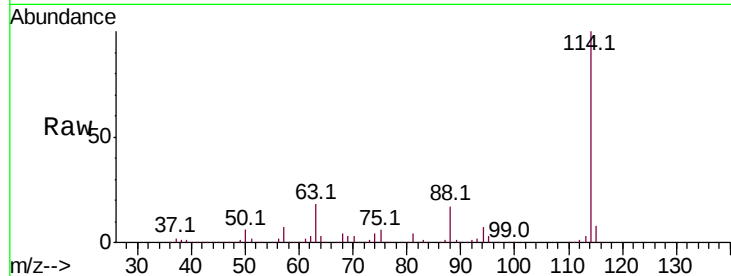
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.21 min Scan# 1375  
 Delta R.T. 0.01 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-2

Tot Ion:114 Resp: 4346870  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 14.7 22.1  
 88 16.8 13.4 20.2

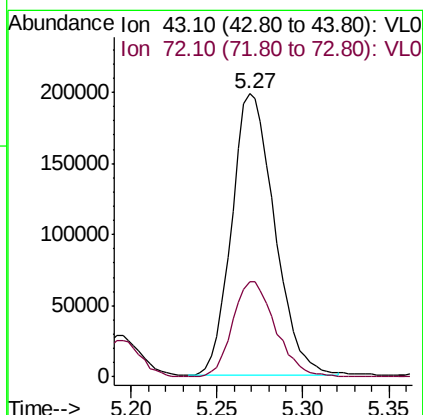
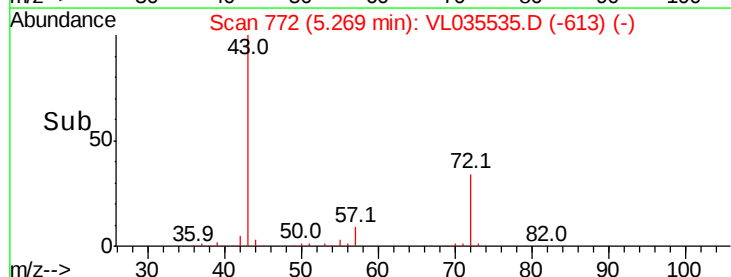
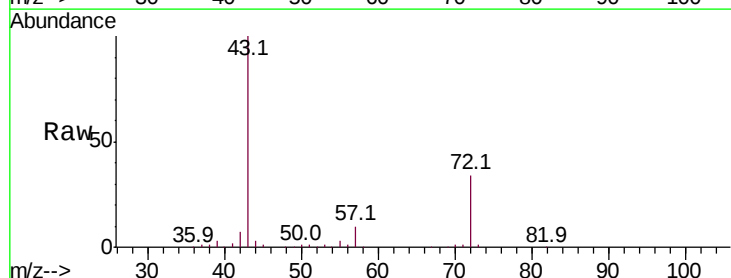
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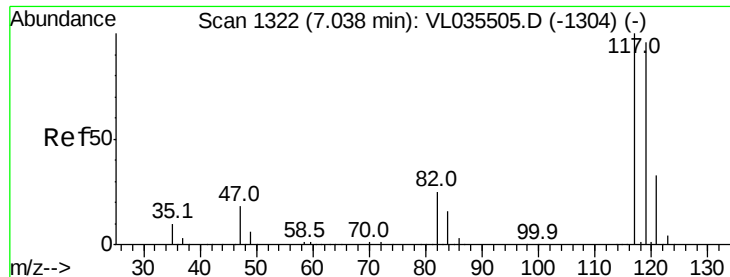
MMDadoda  
 9/8/2020 4:20:07 PM



#34  
 2-Butanone  
 Concen: 2.662 ppbv  
 RT: 5.27 min Scan# 772  
 Delta R.T. 0.01 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

Tgt Ion: 43 Resp: 343467  
 Ion Ratio Lower Upper  
 43 100  
 72 33.8 27.7 41.5





#35

Carbon Tetrachloride

Concen: 0.070 ppbv m

RT: 7.05 min Scan# 1326

Delta R.T. 0.01 min

Lab File: VL035535.D

Acq: 3 Sep 2020 17:54

Instrument :

MSVOA\_L

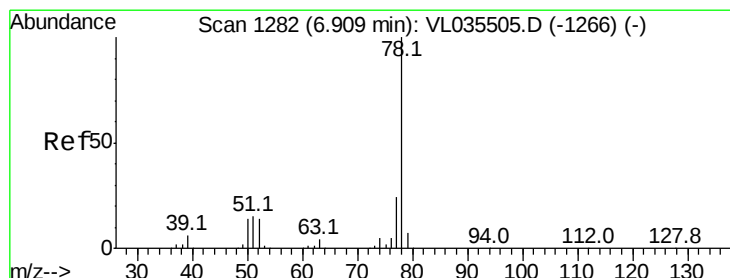
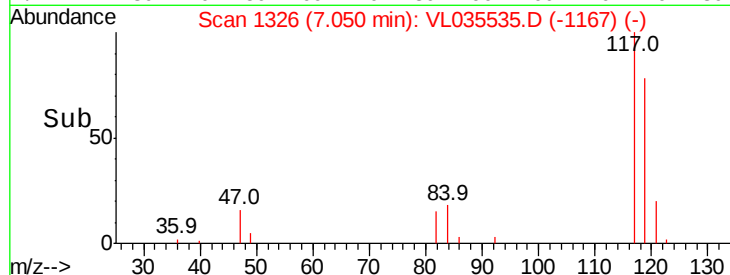
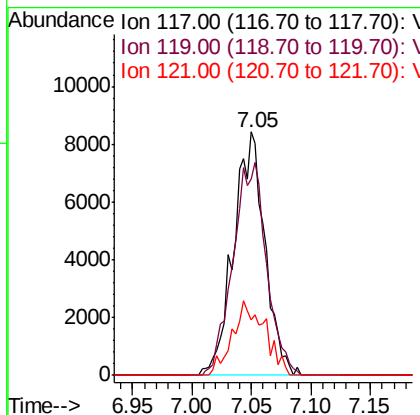
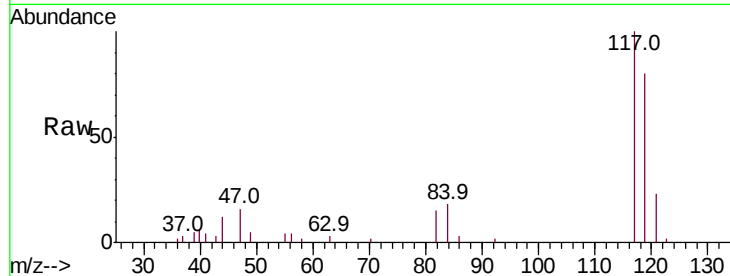
ClientSampled :

IA-2

Tot Ion:117 Resp: 15303  
 Ion Ratio Lower Upper  
 117 100  
 119 80.4 77.2 115.8  
 121 22.6 26.1 39.1#

Manual Integrations  
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#36

Benzene

Concen: 0.443 ppbv

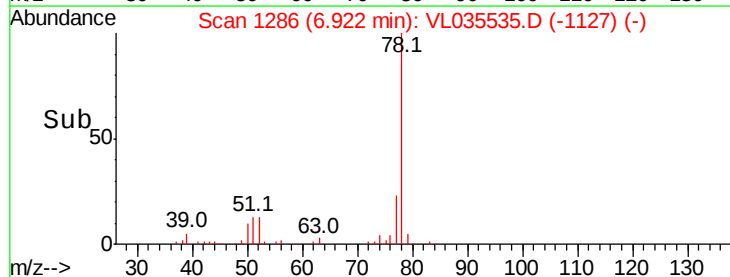
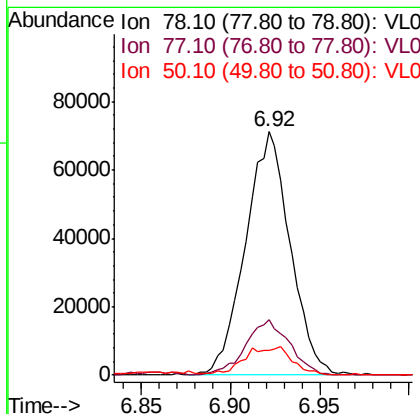
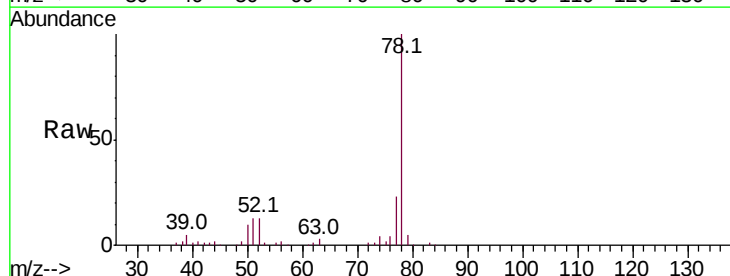
RT: 6.92 min Scan# 1286

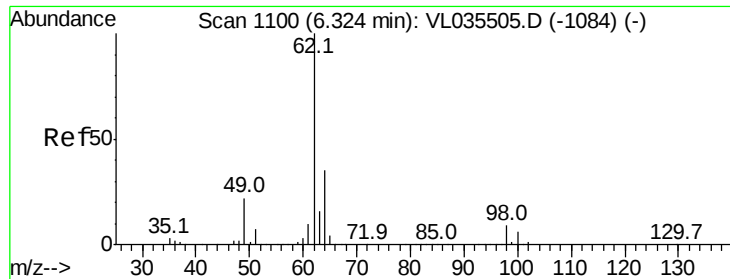
Delta R.T. 0.01 min

Lab File: VL035535.D

Acq: 3 Sep 2020 17:54

Tgt Ion: 78 Resp: 124622  
 Ion Ratio Lower Upper  
 78 100  
 77 22.8 19.3 28.9  
 50 9.9 11.0 16.6#





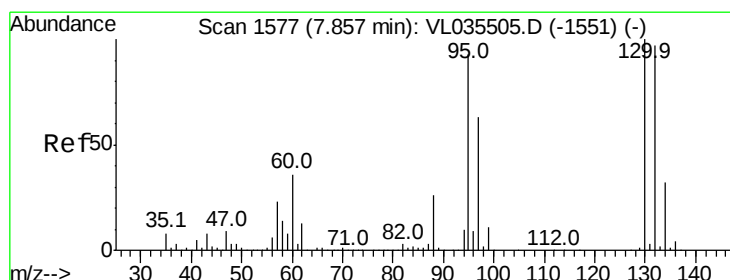
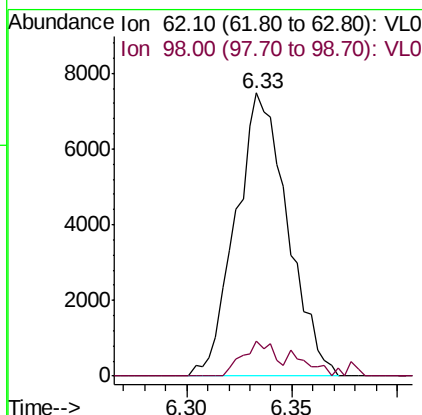
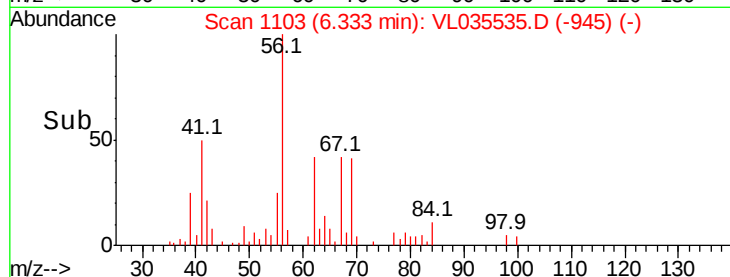
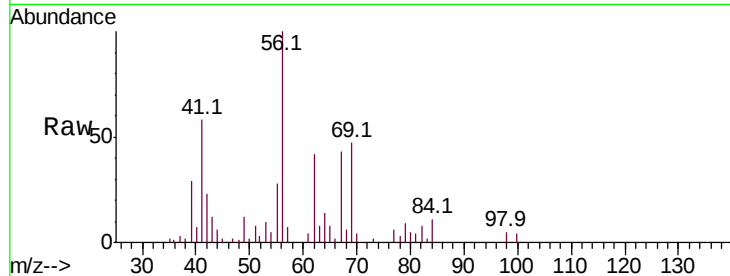
#37  
 1,2-Dichloroethane  
 Concen: 0.095 ppbv  
 RT: 6.33 min Scan# 1103  
 Delta R.T. 0.01 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 IA-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 12.3  | 7.4   | 11.0# |

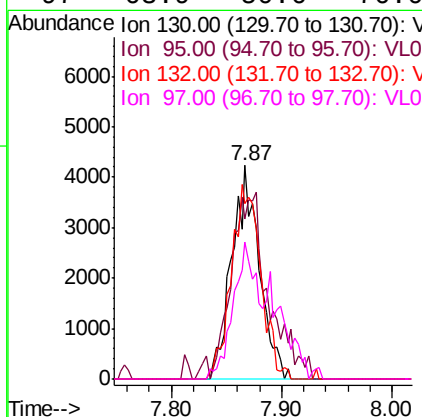
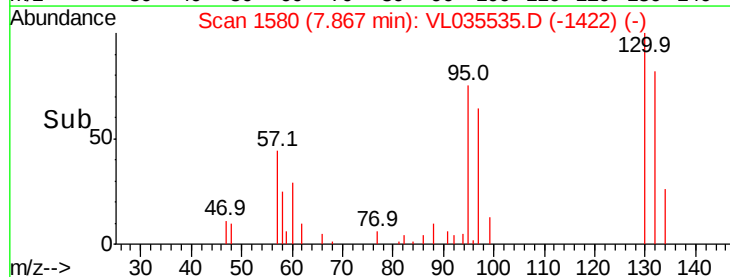
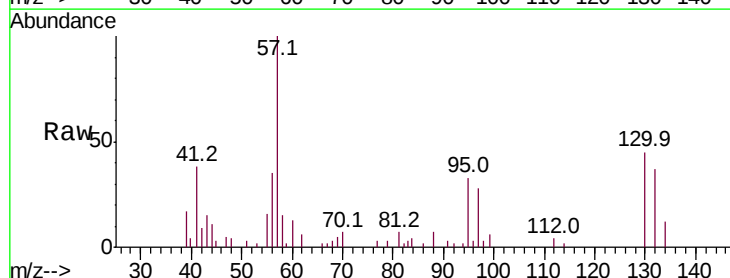
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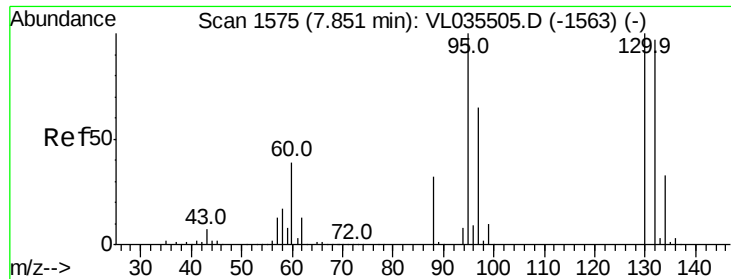
MMDadoda  
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#38  
 Trichloroethene  
 Concen: 0.045 ppbv m  
 RT: 7.87 min Scan# 1580  
 Delta R.T. 0.01 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 74.8  | 74.6  | 112.0 |
| 132     | 82.4  | 77.6  | 116.4 |
| 97      | 63.9  | 50.6  | 76.0  |





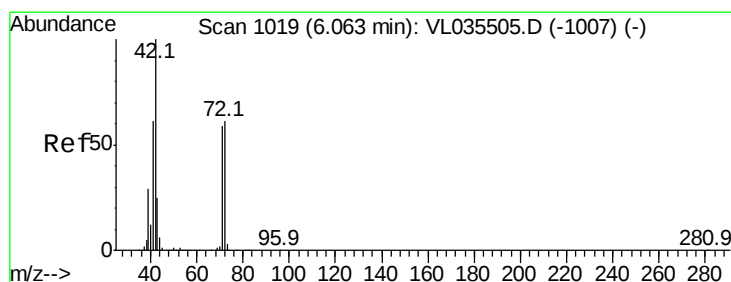
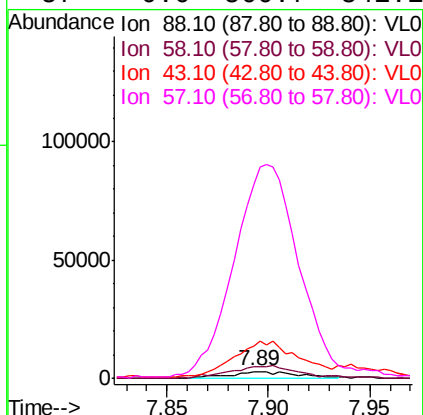
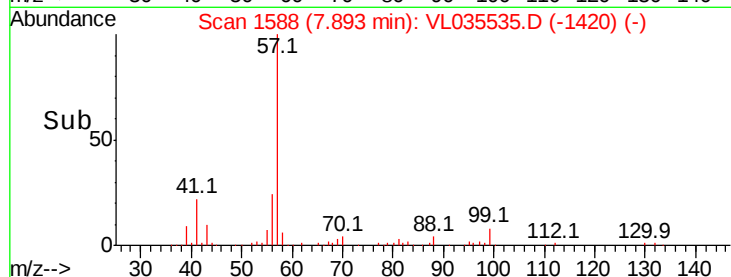
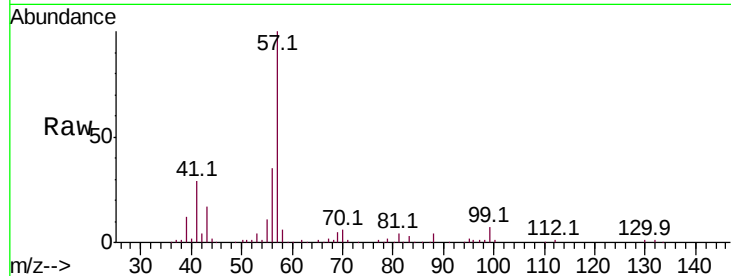
#40  
1,4-Dioxane  
Concen: 0.133 ppbv m  
RT: 7.89 min Scan# 1588  
Delta R.T. 0.04 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

Instrument :  
MSVOA\_L  
ClientSampled :  
IA-2

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 88      | 100   |       |        |
| 58      | 0.0   | 68.7  | 103.1# |
| 43      | 0.0   | 104.3 | 156.5# |
| 57      | 0.0   | 560.7 | 841.1# |

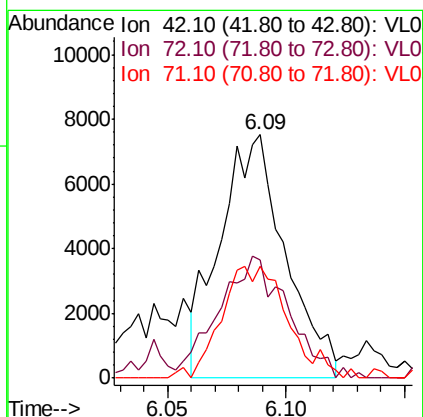
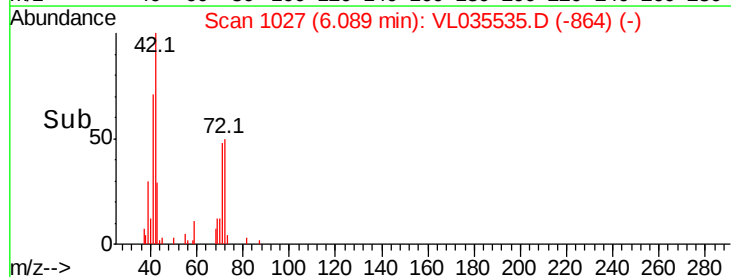
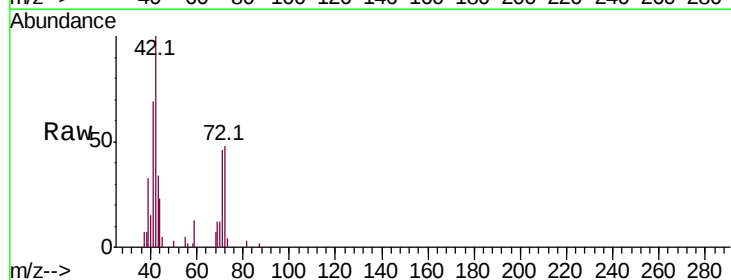
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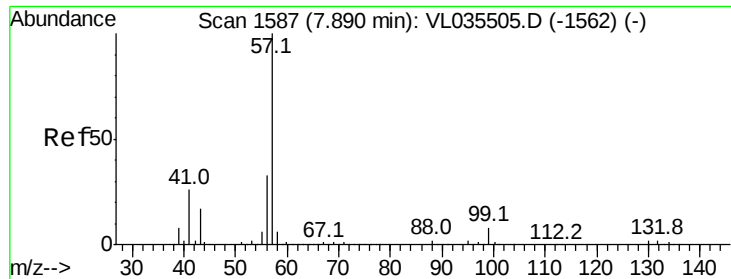
MMDadoda  
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#41  
Tetrahydrofuran  
Concen: 0.211 ppbv m  
RT: 6.09 min Scan# 1027  
Delta R.T. 0.03 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 0.0   | 48.6  | 73.0# |
| 71      | 0.0   | 46.1  | 69.1# |





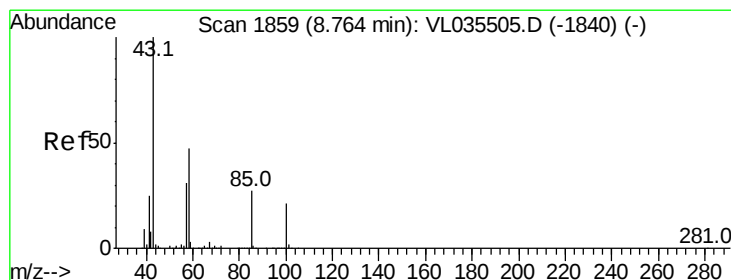
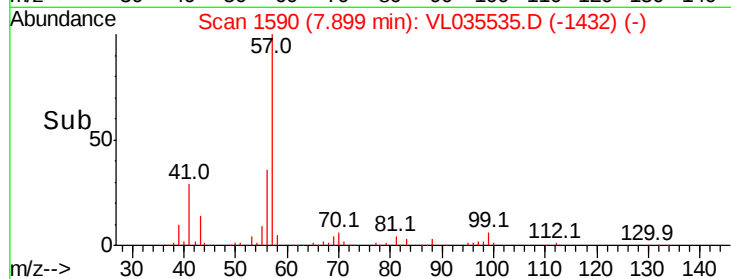
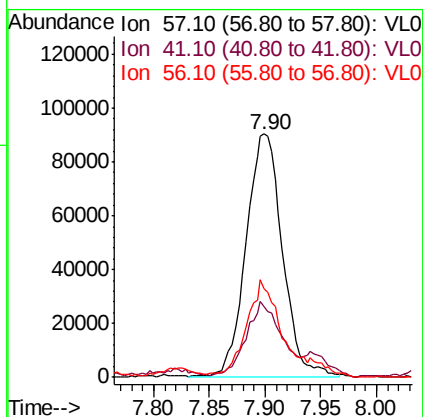
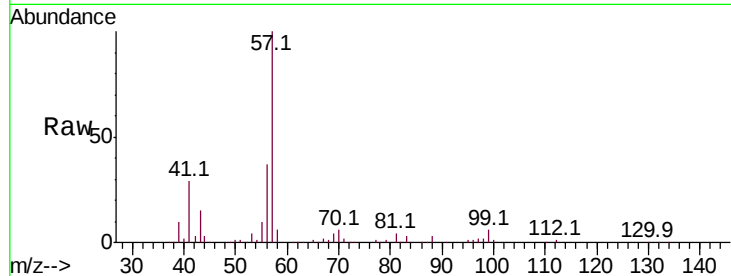
#44  
 2,2,4-Trimethylpentane  
 Concen: 0.555 ppbv m  
 RT: 7.90 min Scan# 1590  
 Delta R.T. 0.01 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-2

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 57      | 100   |            |       |
| 41      | 0.0   | 20.5       | 30.7# |
| 56      | 0.0   | 25.3       | 37.9# |

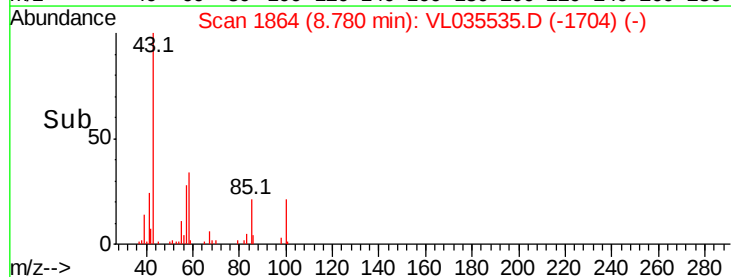
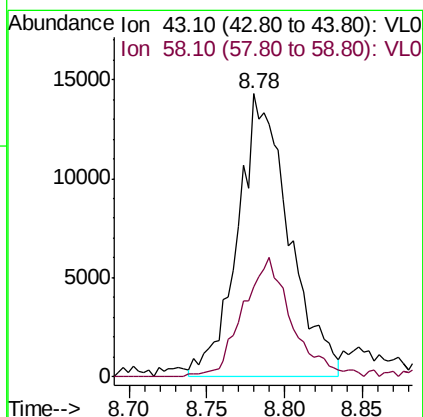
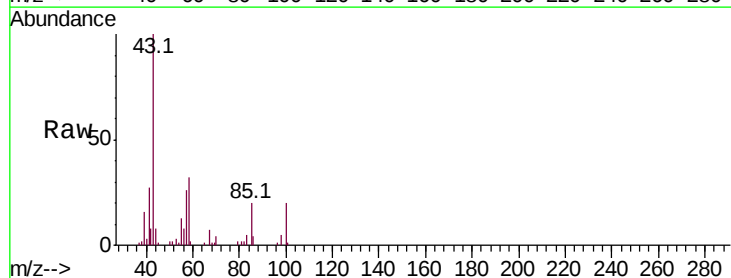
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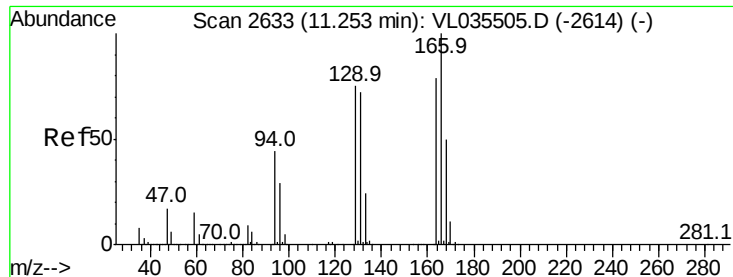
MMDadoda  
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#50  
 4-Methyl-2-Pentanone  
 Concen: 0.176 ppbv m  
 RT: 8.78 min Scan# 1864  
 Delta R.T. 0.02 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 58      | 0.0   | 37.4       | 56.0# |





#52

Tetrachloroethene

Concen: 0.139 ppbv

RT: 11.26 min Scan# 2636

Delta R.T. 0.01 min

Lab File: VL035535.D

Acq: 3 Sep 2020 17:54

Instrument :

MSVOA\_L

ClientSampled :

IA-2

Tot Ion:164 Resp: 22793

Ion Ratio Lower Upper

164 100

166 116.8 100.9 151.3

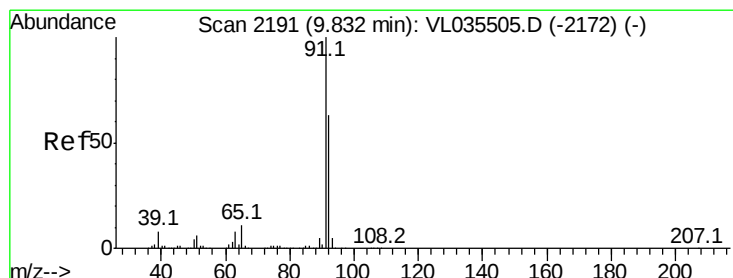
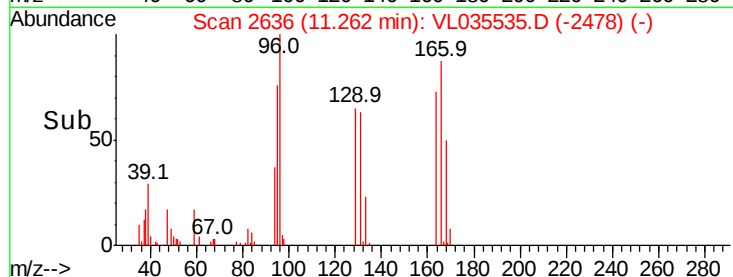
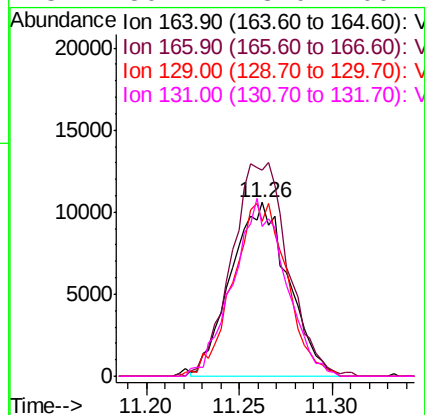
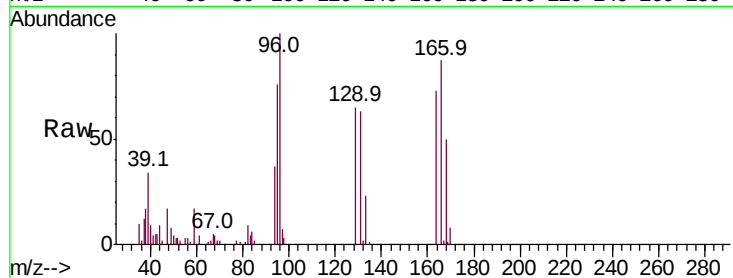
129 89.5 75.3 112.9

131 86.4 73.0 109.4

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#53

Toluene

Concen: 3.205 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL035535.D

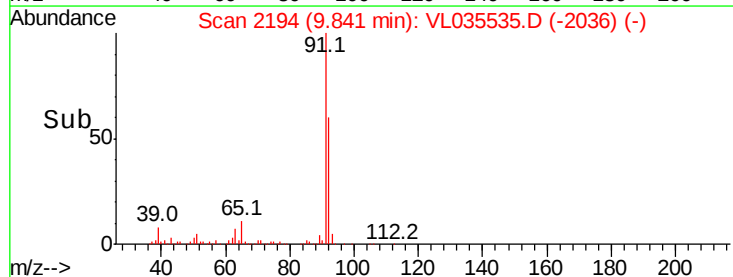
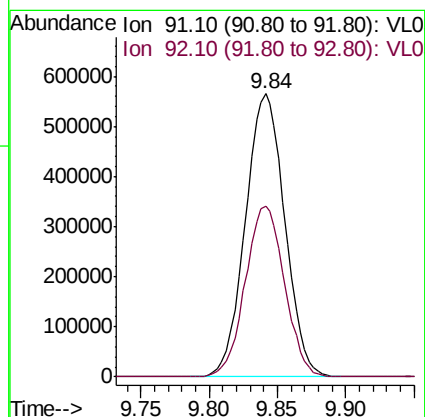
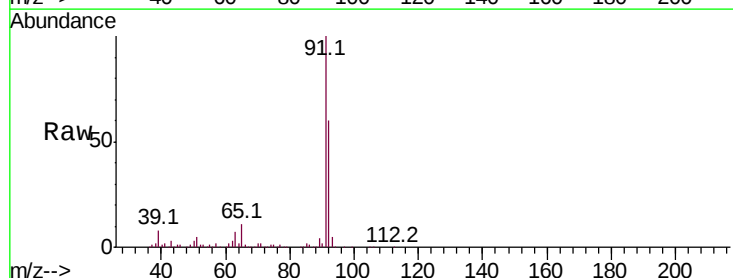
Acq: 3 Sep 2020 17:54

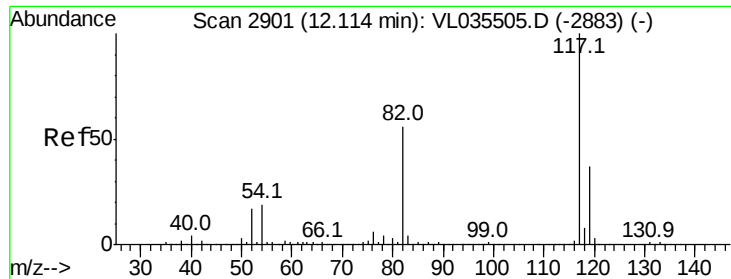
Tgt Ion: 91 Resp: 1134092

Ion Ratio Lower Upper

91 100

92 60.2 49.8 74.8





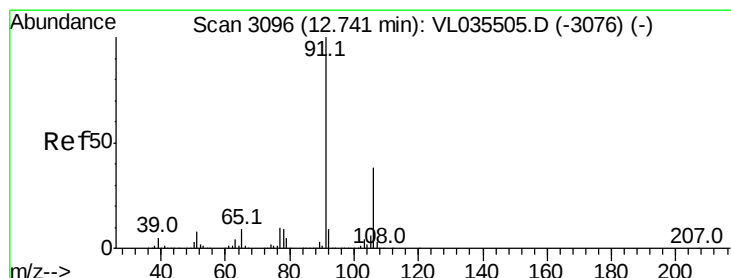
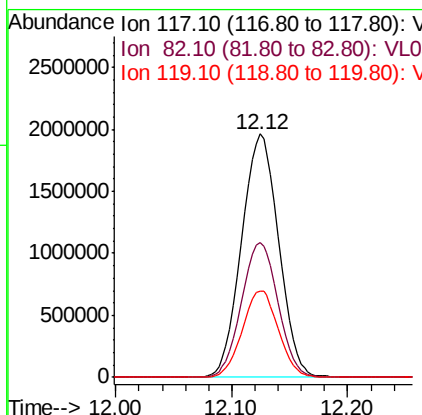
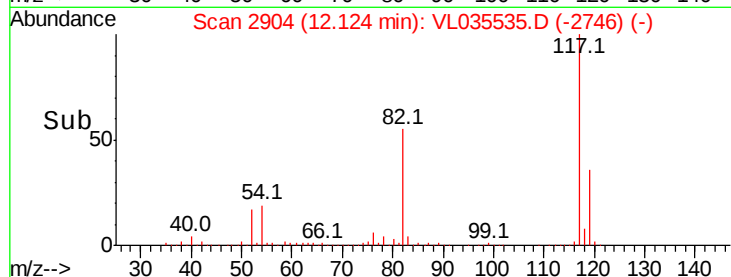
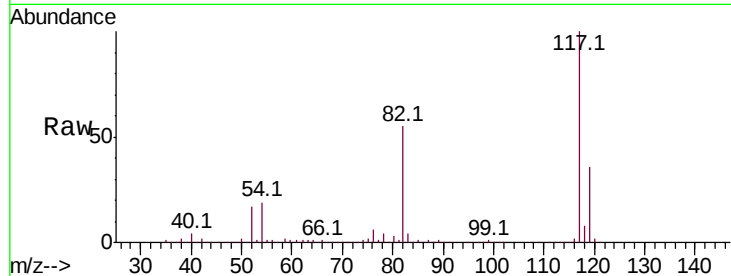
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.12 min Scan# 2904  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

Instrument :  
MSVOA\_L  
ClientSampled :  
IA-2

Tot Ion:117 Resp: 4371023  
Ion Ratio Lower Upper  
117 100  
82 54.7 41.6 62.4  
119 34.9 29.3 43.9

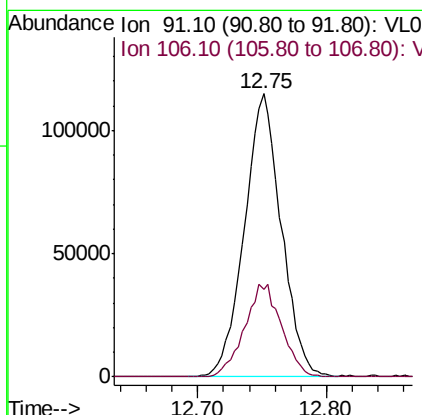
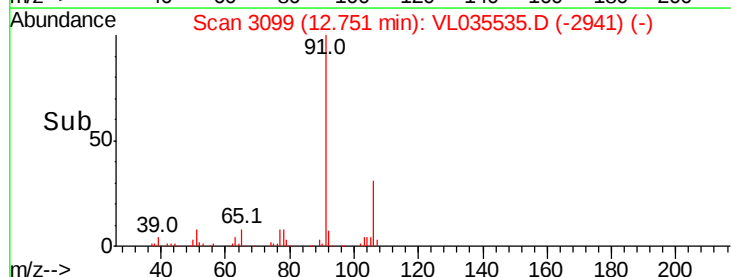
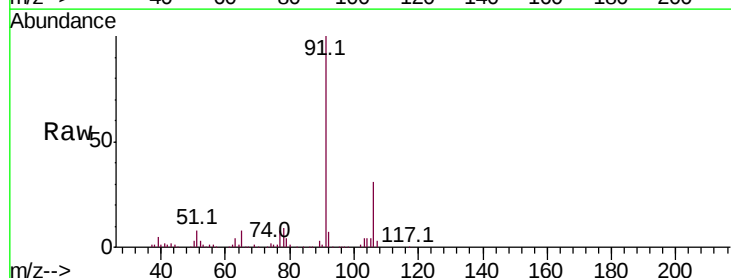
Manual Integrations  
APPROVED

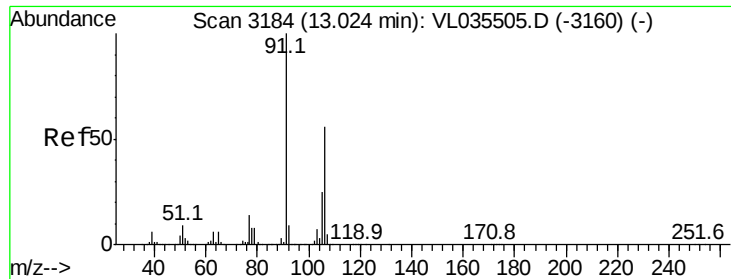
MMDadoda  
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#58  
Ethyl Benzene  
Concen: 0.508 ppbv  
RT: 12.75 min Scan# 3099  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

Tgt Ion: 91 Resp: 228997  
Ion Ratio Lower Upper  
91 100  
106 31.1 30.3 45.5





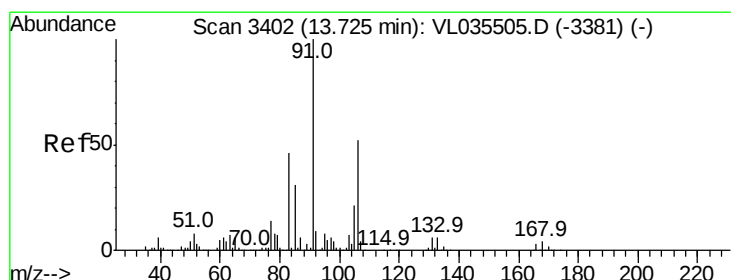
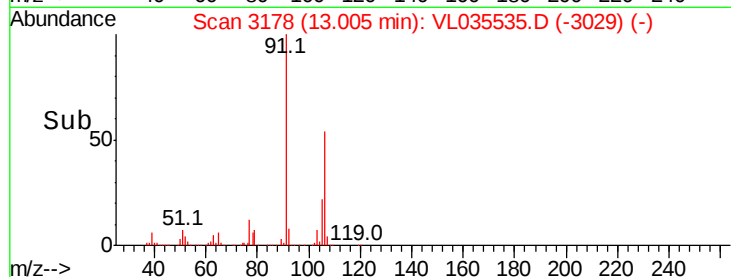
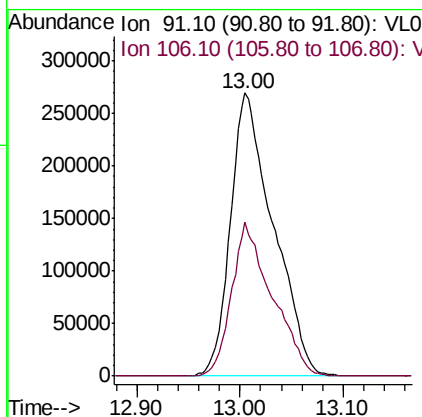
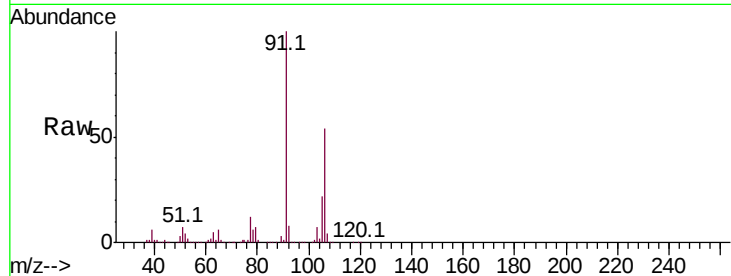
#59  
m/p-Xylene  
Concen: 2.059 ppbv  
RT: 13.00 min Scan# 3178  
Delta R.T. -0.02 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

Instrument :  
MSVOA\_L  
ClientSampled :  
IA-2

Tot Ion: 91 Resp: 775664  
Ion Ratio Lower Upper  
91 100  
106 51.7 43.4 65.2

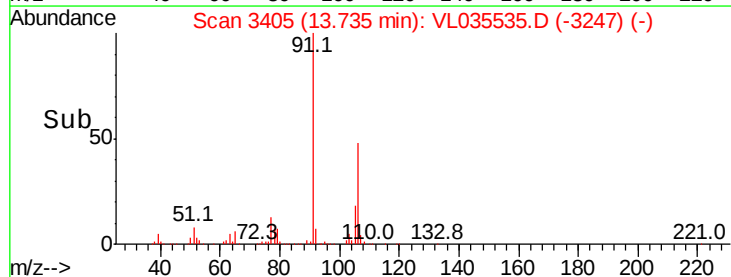
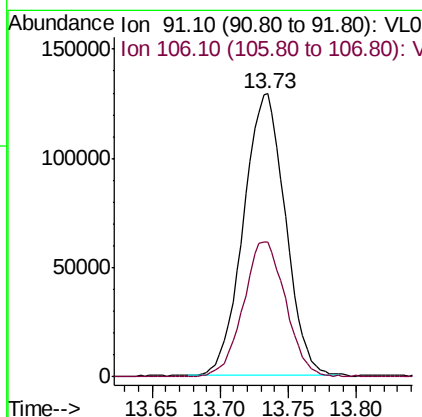
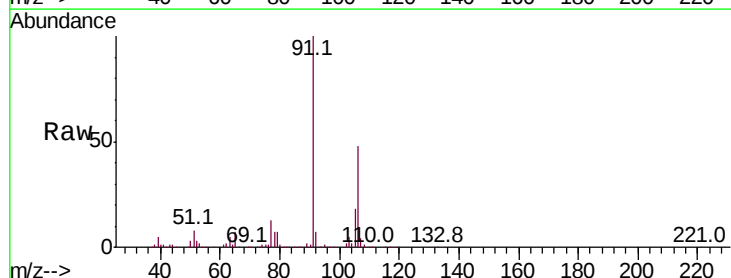
Manual Integrations  
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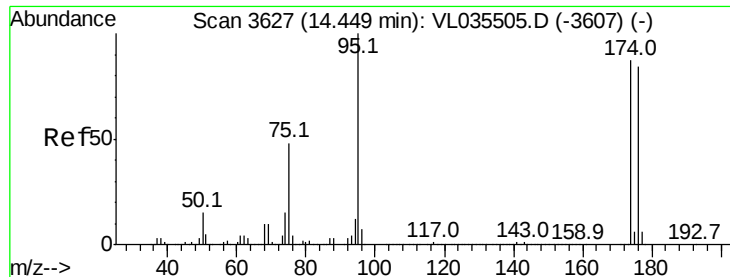
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9/8/2020 4:20:07 PM



#60  
o-Xylene  
Concen: 0.726 ppbv  
RT: 13.73 min Scan# 3405  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

Tgt Ion: 91 Resp: 275436  
Ion Ratio Lower Upper  
91 100  
106 48.7 25.8 77.4





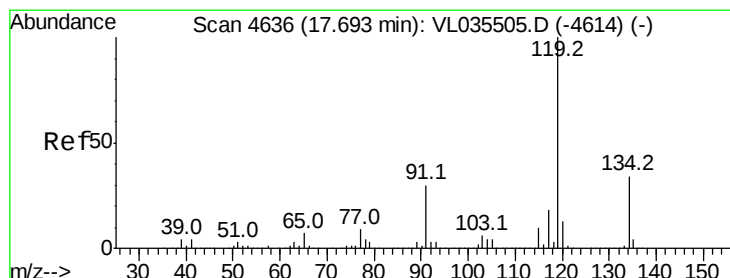
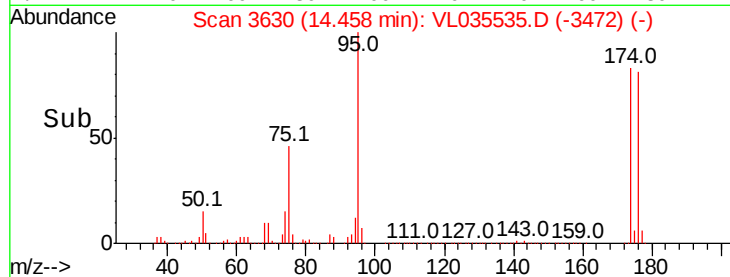
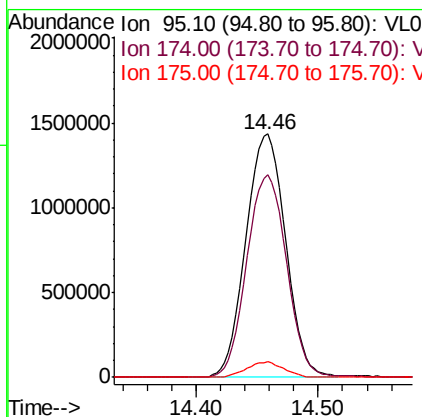
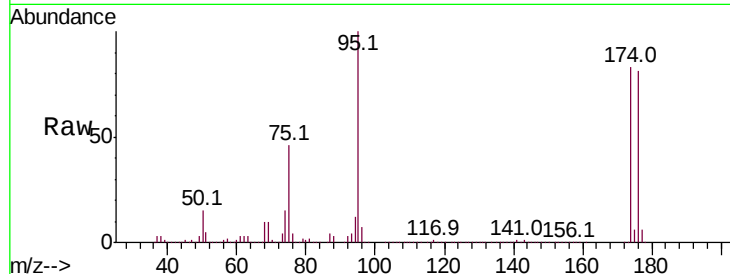
#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.431 ppbv  
 RT: 14.46 min Scan# 3630  
 Delta R.T. 0.01 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 IA-2

Tot Ion: 95 Resp: 3237908  
 Ion Ratio Lower Upper  
 95 100  
 174 84.2 69.6 104.4  
 175 6.1 5.1 7.7

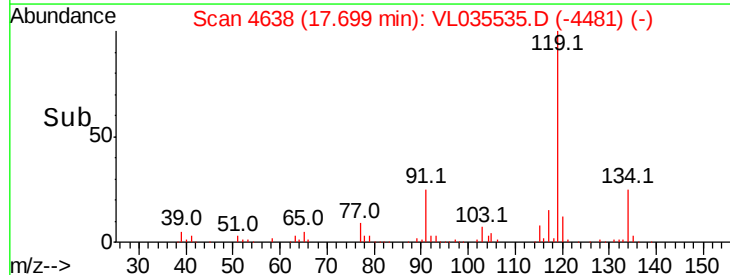
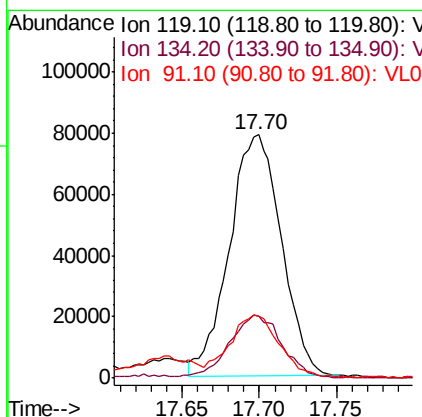
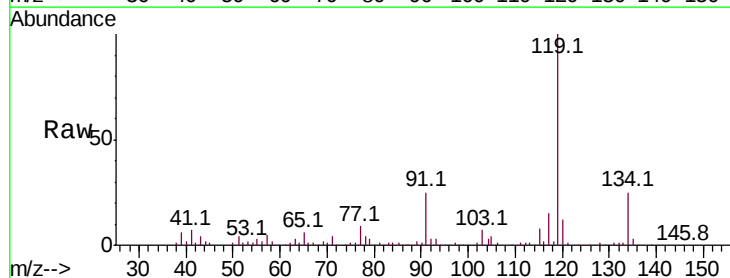
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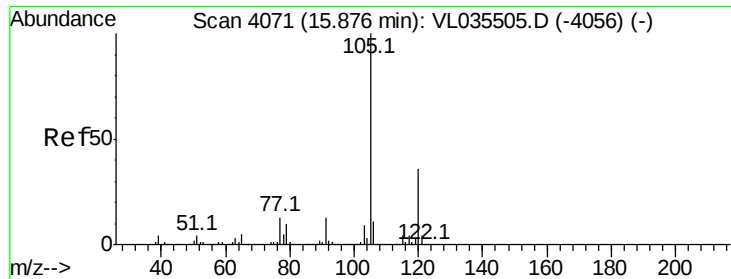
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#69  
 p-Isopropyltoluene  
 Concen: 0.277 ppbv  
 RT: 17.70 min Scan# 4638  
 Delta R.T. 0.01 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

Tgt Ion: 119 Resp: 183451  
 Ion Ratio Lower Upper  
 119 100  
 134 27.2 25.0 37.4  
 91 25.2 22.3 33.5





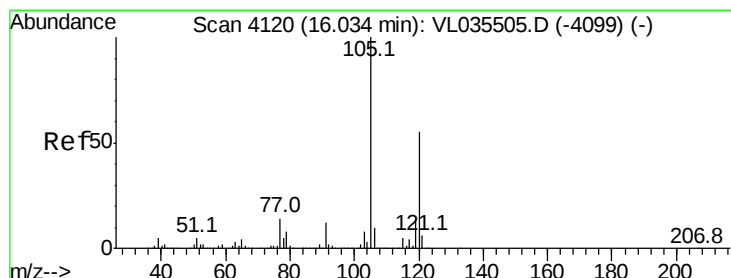
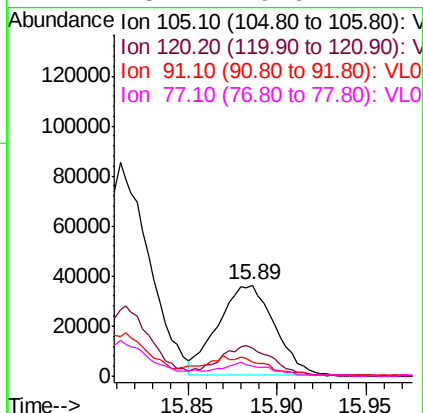
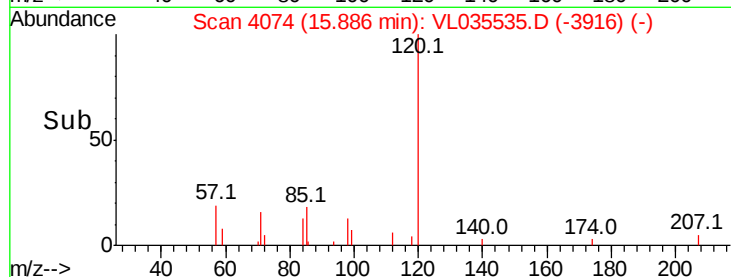
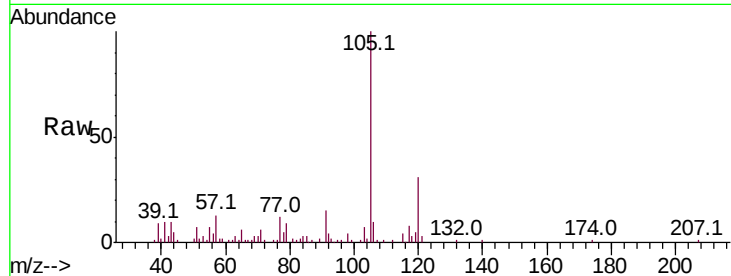
#72  
4-Ethyltoluene  
Concen: 0.165 ppbv  
RT: 15.89 min Scan# 4074  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-2

| Tot Ion   | 105   | Resp: | 79722 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 32.6  | 27.4  | 41.2  |
| 91        | 23.9  | 9.7   | 14.5# |
| 77        | 13.4  | 9.6   | 14.4  |

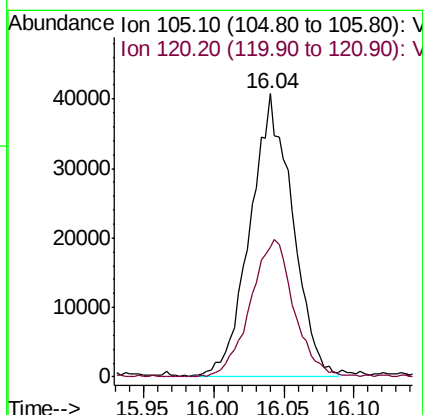
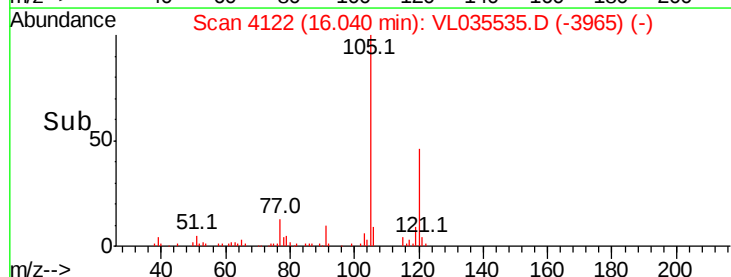
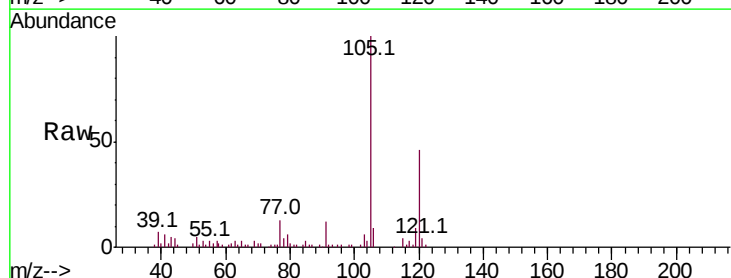
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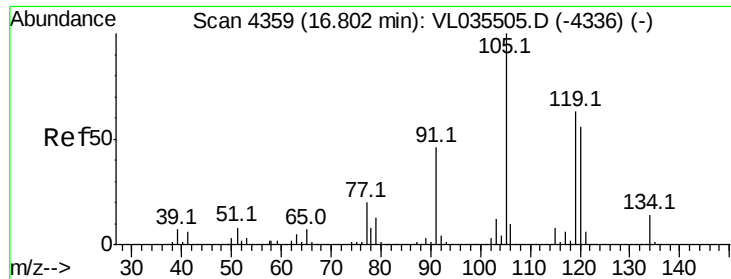
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#73  
1,3,5-Trimethylbenzene  
Concen: 0.192 ppbv  
RT: 16.04 min Scan# 4122  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

| Tgt Ion   | 105   | Resp: | 85785 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 46.0  | 44.2  | 66.2  |





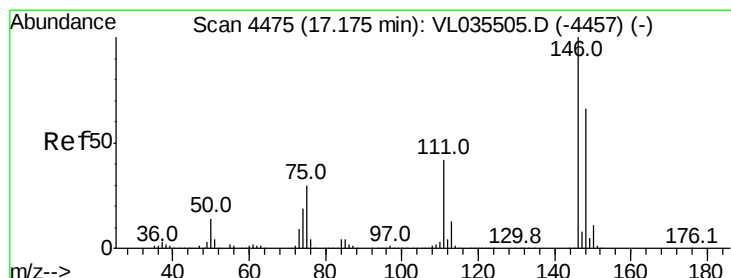
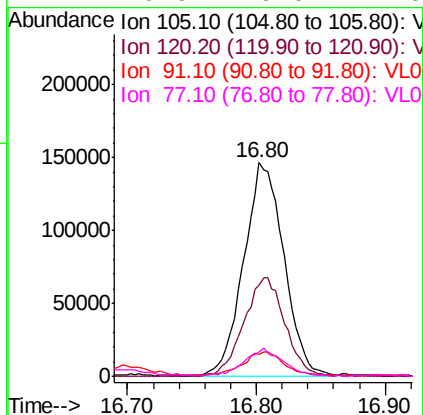
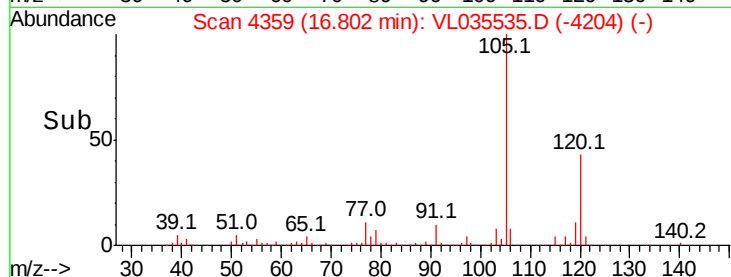
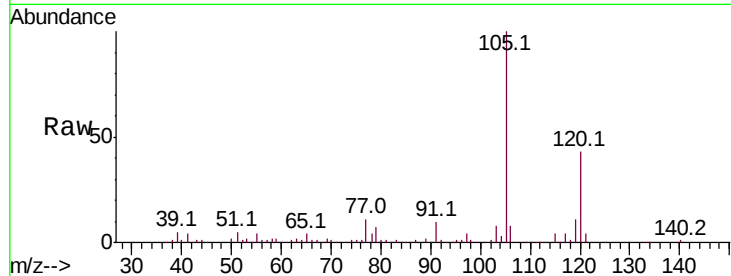
#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.651 ppbv  
 RT: 16.80 min Scan# 4359  
 Delta R.T. -0.00 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 IA-2

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 105     | 100   |            |       |
| 120     | 42.4  | 44.4       | 66.6# |
| 91      | 9.7   | 37.1       | 55.7# |
| 77      | 10.9  | 16.0       | 24.0# |

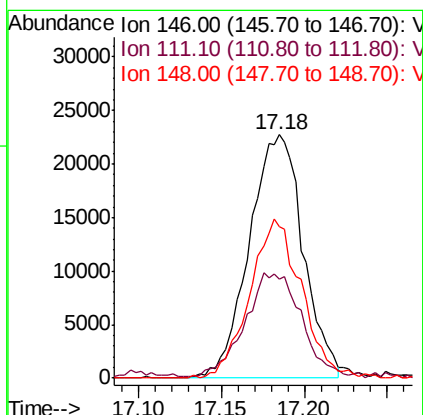
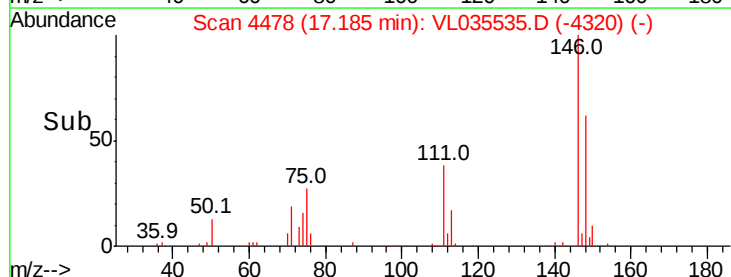
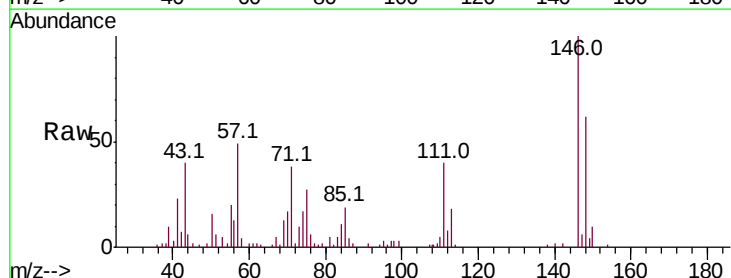
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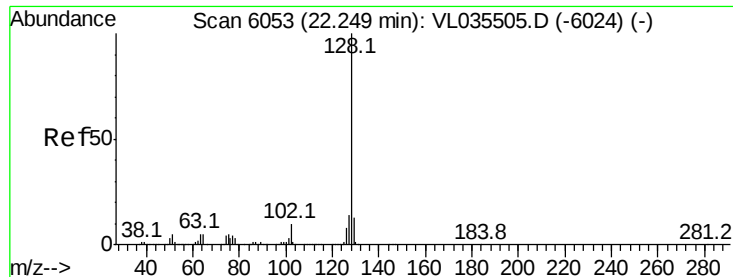
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#76  
 1,4-Dichlorobenzene  
 Concen: 0.143 ppbv  
 RT: 17.18 min Scan# 4478  
 Delta R.T. 0.01 min  
 Lab File: VL035535.D  
 Acq: 3 Sep 2020 17:54

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 146     | 100   |            |       |
| 111     | 47.0  | 20.0       | 60.0  |
| 148     | 63.2  | 33.2       | 99.6  |





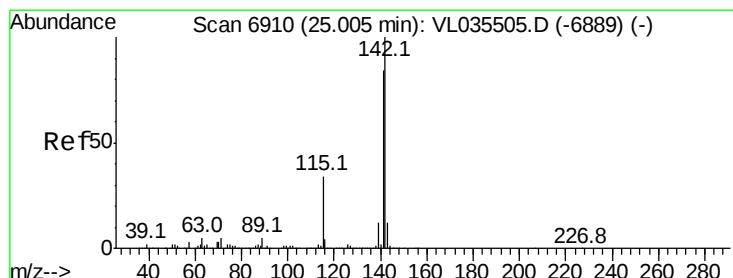
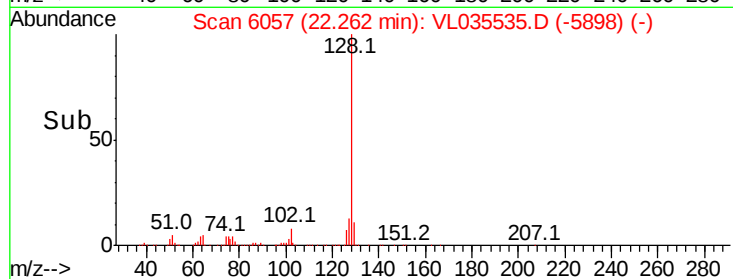
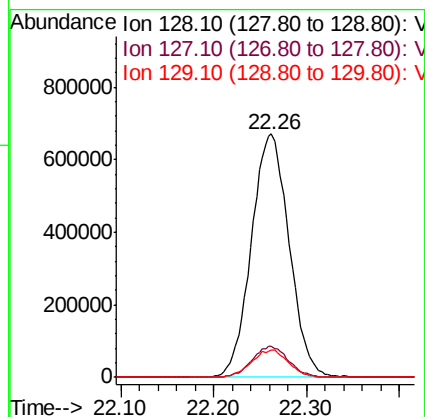
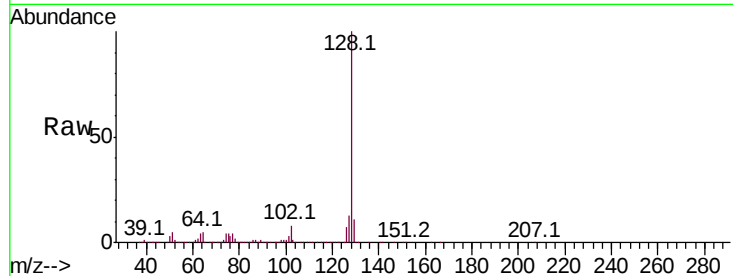
#79  
Naphthalene  
Concen: 3.498 ppbv  
RT: 22.26 min Scan# 6057  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 11.4  | 17.2  |
| 129     | 11.0  | 10.5  | 15.7  |

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#80  
Naphthalene, 2-methyl-  
Concen: 0.889 ppbv  
RT: 25.02 min Scan# 6914  
Delta R.T. 0.01 min  
Lab File: VL035535.D  
Acq: 3 Sep 2020 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 84.2  | 67.6  | 101.4 |
| 115     | 32.1  | 25.8  | 38.8  |

