

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\  
 Data File : VL035862.D  
 Acq On : 5 Nov 2020 15:59  
 Operator : SY/AP  
 Sample : L4220-07 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV2

Quant Time: Nov 06 00:27:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 04 02:40:06 2020  
 QLast Update : Wed Nov 04 02:40:06 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 1077953  | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 4043364  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 3823067  | 10.00 | ppbv  | -0.04    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2856696  | 10.52    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.20% |

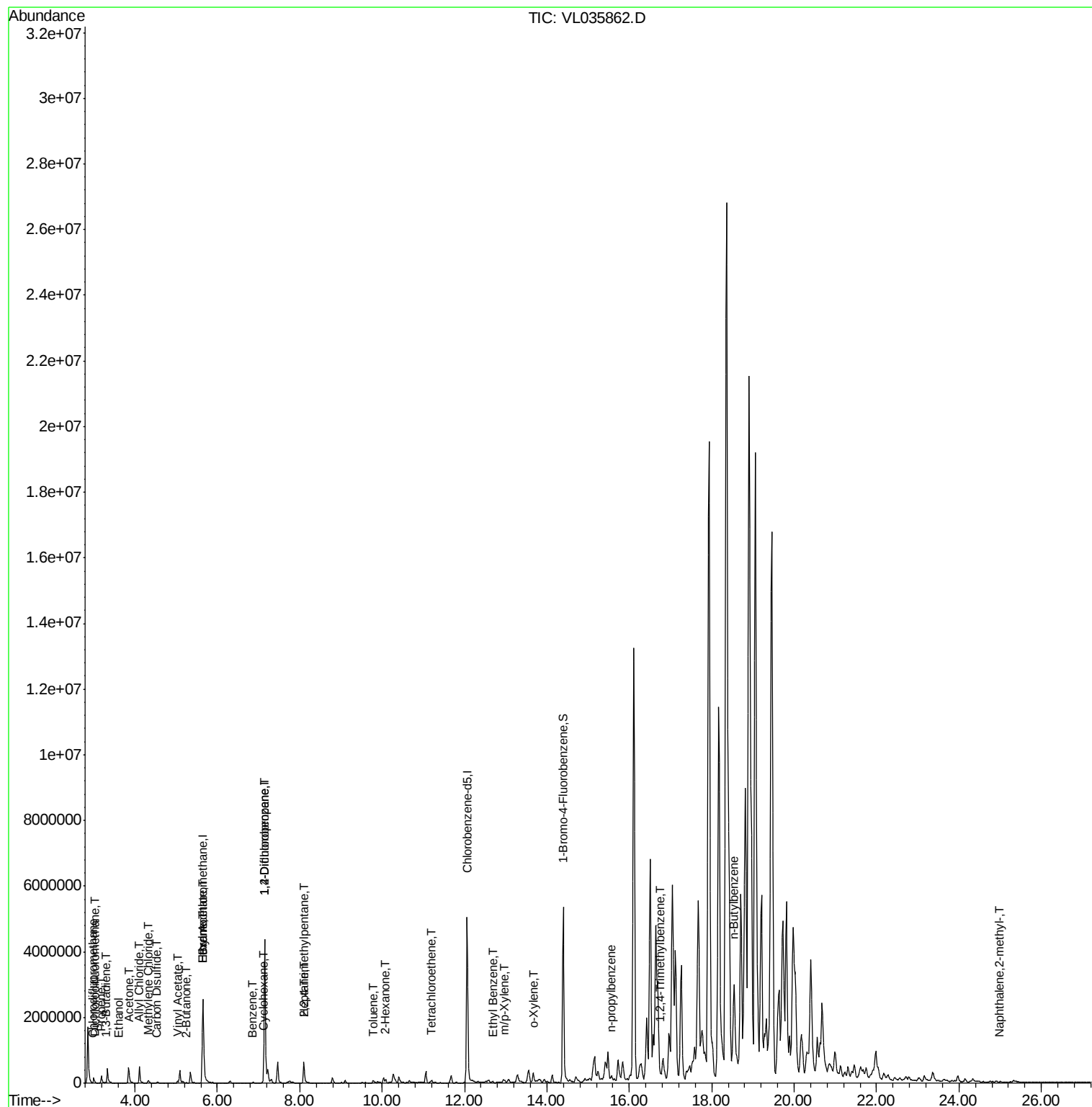
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane | 3.03  | 85   | 10265    | 0.051 | ppbv   | 94     |
| 3) Chlorodifluoromethane   | 2.97  | 51   | 5500     | 0.043 | ppbv # | 82     |
| 9) Propene                 | 3.18  | 41   | 76619    | 1.622 | ppbv   | 99     |
| 10) Heptane                | 8.10  | 43   | 230538   | 1.767 | ppbv   | 98     |
| 13) Ethanol                | 3.60  | 45   | 1410     | 0.138 | ppbv # | 35     |
| 15) Acetone                | 3.84  | 43   | 368106   | 3.194 | ppbv # | 87     |
| 16) 1,3-Butadiene          | 3.29  | 39   | 7052     | 0.142 | ppbv # | 7      |
| 20) Methylene Chloride     | 4.32  | 84   | 47458    | 0.585 | ppbv   | 92     |
| 21) Allyl Chloride         | 4.11  | 41   | 162337   | 2.605 | ppbv # | 44     |
| 23) Vinyl Acetate          | 5.03  | 43   | 22652    | 0.140 | ppbv # | 2      |
| 25) Ethyl Acetate          | 5.66  | 43   | 197932   | 0.872 | ppbv # | 72     |
| 26) Hexane                 | 5.66  | 57   | 335110   | 2.676 | ppbv # | 45     |
| 27) Carbon Disulfide       | 4.53  | 76   | 33422    | 0.178 | ppbv # | 79     |
| 30) Cyclohexane            | 7.11  | 84   | 11953    | 0.088 | ppbv # | 11     |
| 34) 2-Butanone             | 5.24  | 43   | 10865    | 0.083 | ppbv # | 84     |
| 36) Benzene                | 6.86  | 78   | 25637    | 0.085 | ppbv # | 92     |
| 39) 1,2-Dichloropropane    | 7.15  | 63   | 811833   | 8.022 | ppbv # | 31     |
| 44) 2,2,4-Trimethylpentane | 8.10  | 57   | 144817   | 0.364 | ppbv # | 1      |
| 51) 2-Hexanone             | 10.09 | 43   | 54944    | 0.341 | ppbv # | 21     |
| 52) Tetrachloroethene      | 11.20 | 164  | 25374    | 0.178 | ppbv   | 89     |
| 53) Toluene                | 9.78  | 91   | 66134    | 0.182 | ppbv   | 95     |
| 58) Ethyl Benzene          | 12.69 | 91   | 32824    | 0.070 | ppbv   | 90     |
| 59) m/p-Xylene             | 12.97 | 91   | 18244    | 0.046 | ppbv # | 28     |
| 60) o-Xylene               | 13.67 | 91   | 42739    | 0.112 | ppbv   | 96     |
| 64) n-propylbenzene        | 15.54 | 120  | 8705     | 0.050 | ppbv # | 16     |
| 70) n-Butylbenzene         | 18.54 | 91   | 103985   | 0.177 | ppbv   | 99     |
| 74) 1,2,4-Trimethylbenzene | 16.74 | 105  | 46838    | 0.103 | ppbv # | 67     |
| 80) Naphthalene,2-methyl-  | 24.98 | 142  | 2184     | 0.042 | ppbv # | 77     |

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

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Instrument :  
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SV2

Quant Time: Nov 06 00:27:51 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Nov 04 02:40:06 2020  
QLast Update : Wed Nov 04 02:40:06 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA\_L

ClientSampleId :

SV2

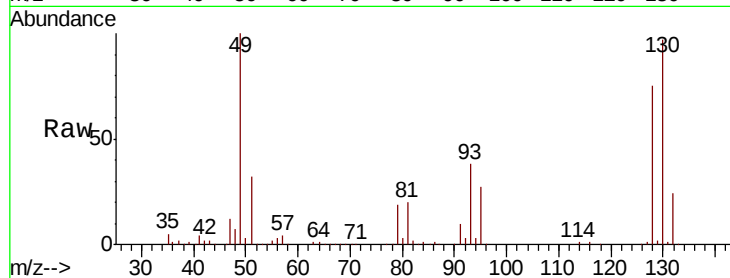
Tot Ion: 49 Resp: 1077953

Ion Ratio Lower Upper

49 100

128 80.2 41.5 124.6

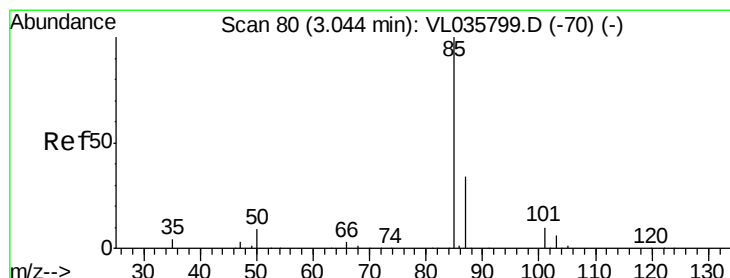
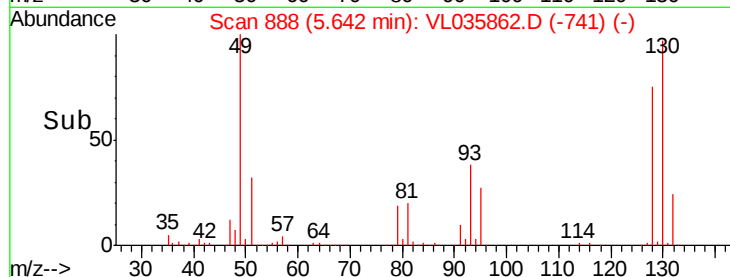
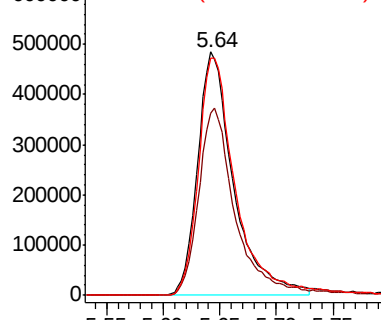
130 103.3 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.051 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL035862.D

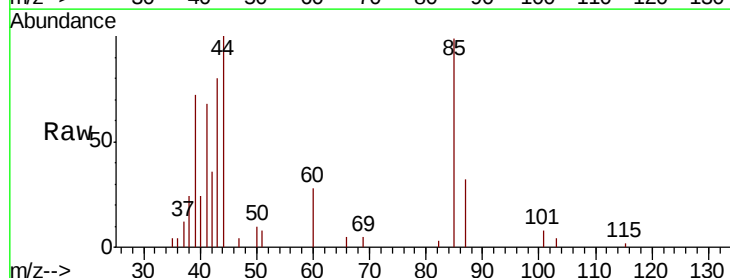
Acq: 5 Nov 2020 15:59

Tgt Ion: 85 Resp: 10265

Ion Ratio Lower Upper

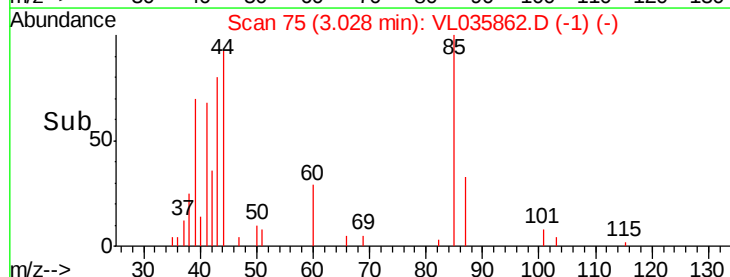
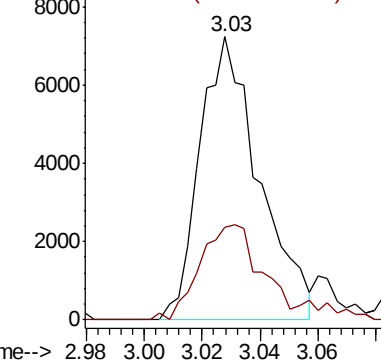
85 100

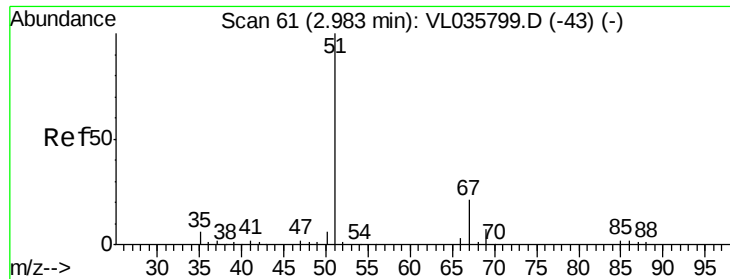
87 30.3 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.043 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA\_L

ClientSampleId :

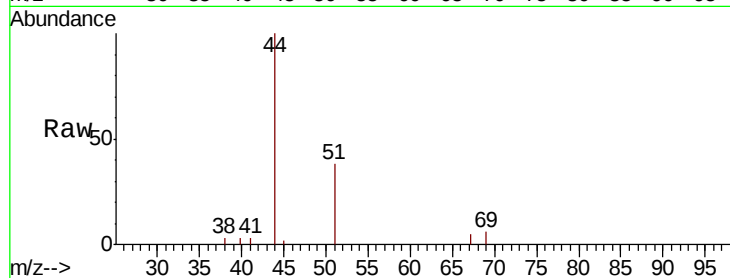
SV2

Tot Ion: 51 Resp: 5500

Ion Ratio Lower Upper

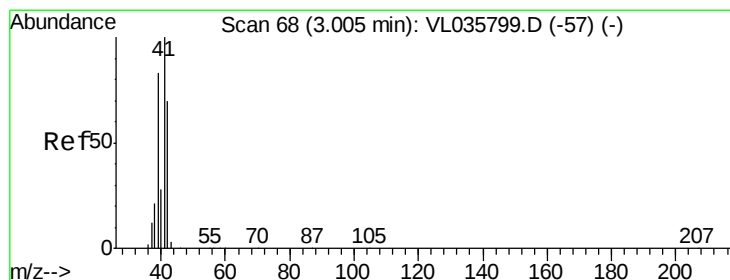
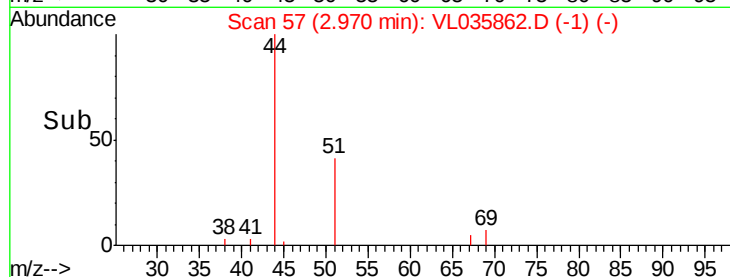
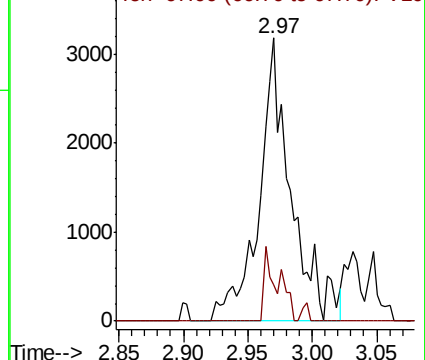
51 100

67 12.8 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 1.622 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.18 min

Lab File: VL035862.D

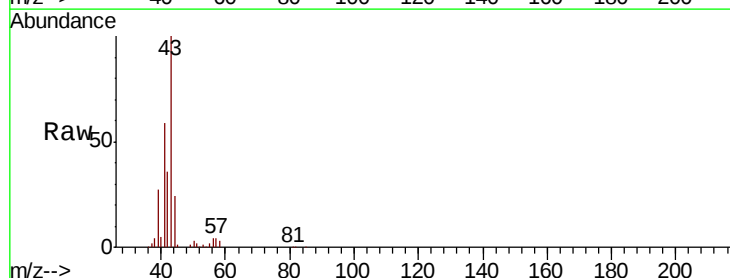
Acq: 5 Nov 2020 15:59

Tgt Ion: 41 Resp: 76619

Ion Ratio Lower Upper

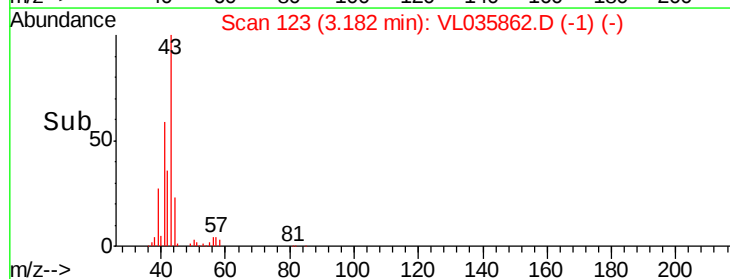
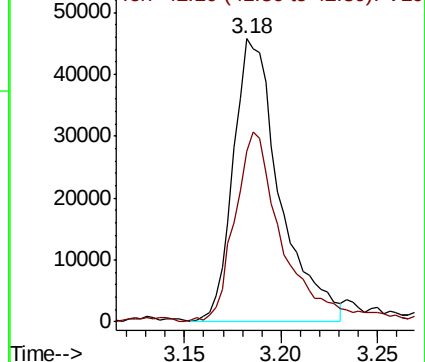
41 100

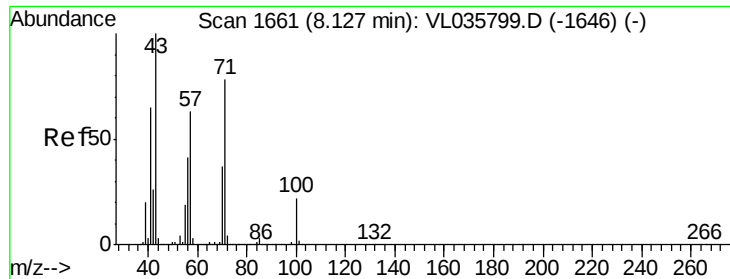
42 69.4 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 1.767 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA\_L

ClientSampleId :

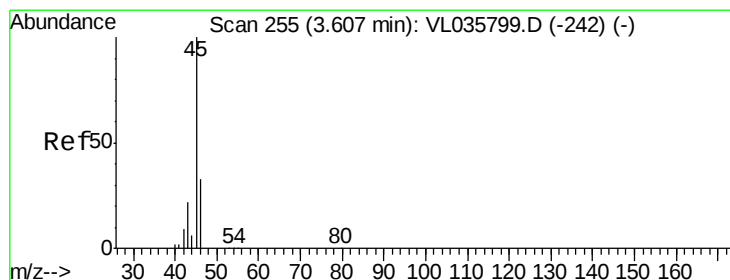
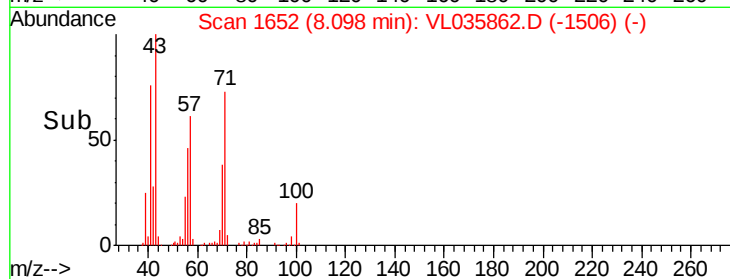
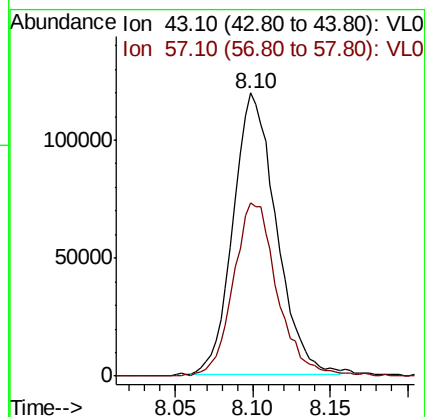
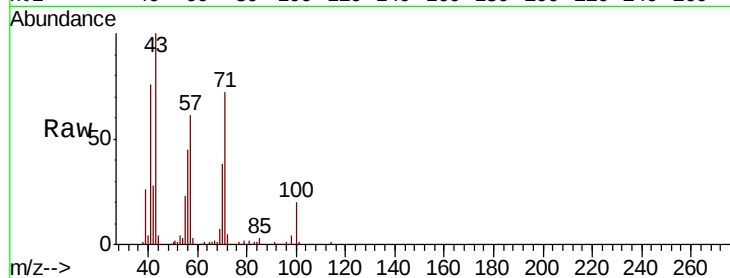
SV2

Tot Ion: 43 Resp: 230538

Ion Ratio Lower Upper

43 100

57 63.7 50.0 75.0



#13

Ethanol

Concen: 0.138 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035862.D

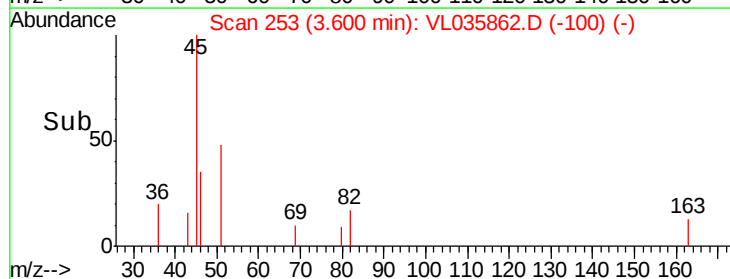
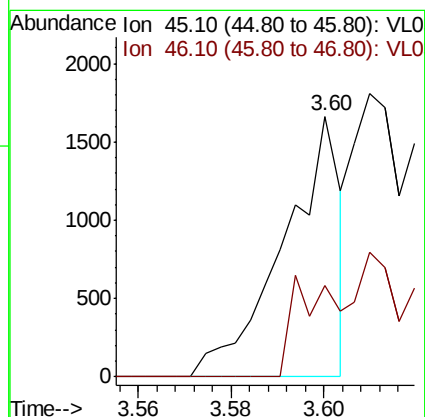
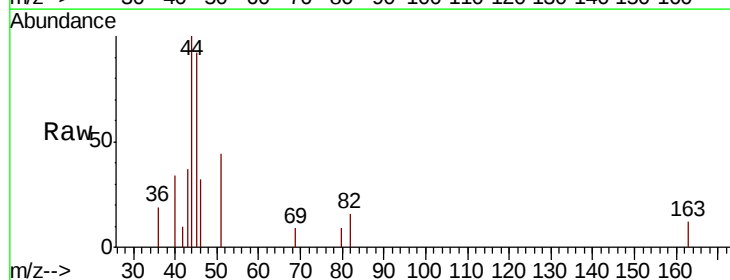
Acq: 5 Nov 2020 15:59

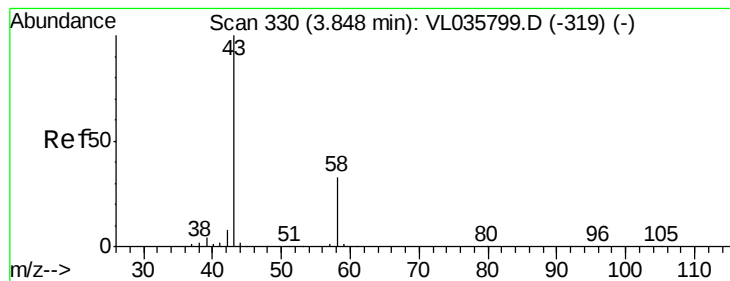
Tgt Ion: 45 Resp: 1410

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#





#15

Acetone

Concen: 3.194 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA\_L

ClientSampleId :

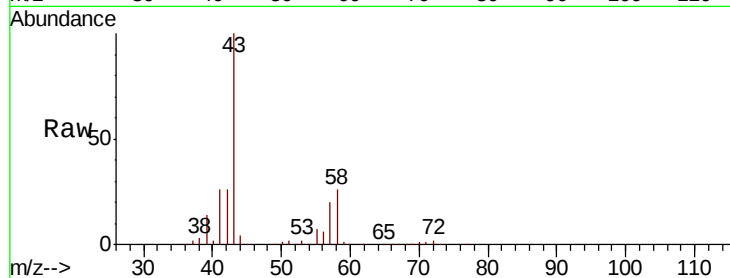
SV2

Tot Ion: 43 Resp: 368106

Ion Ratio Lower Upper

43 100

58 27.1 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

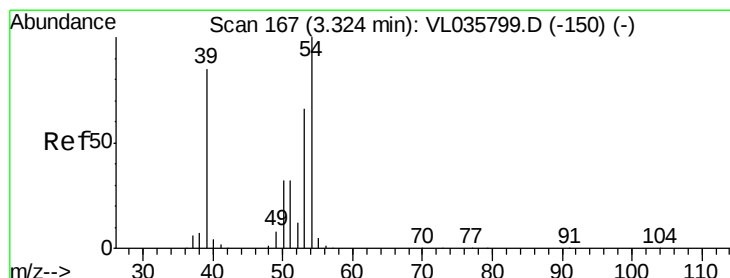
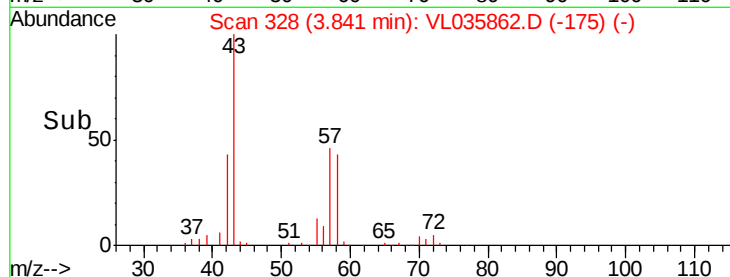
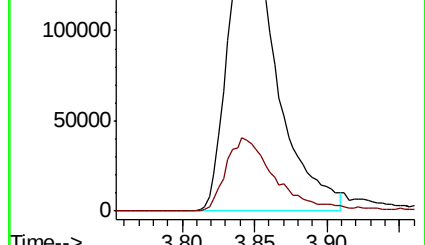
3.84

150000

100000

50000

0



#16

1,3-Butadiene

Concen: 0.142 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.04 min

Lab File: VL035862.D

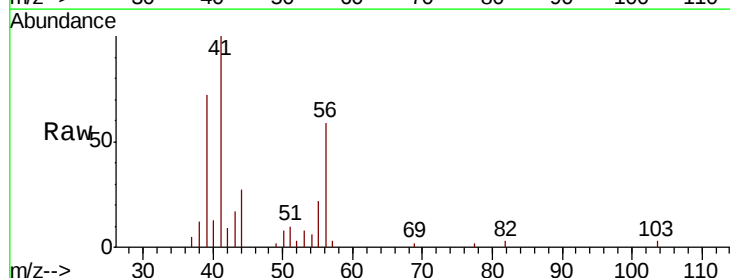
Acq: 5 Nov 2020 15:59

Tgt Ion: 39 Resp: 7052

Ion Ratio Lower Upper

39 100

54 11.7 87.1 130.7#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

30000

25000

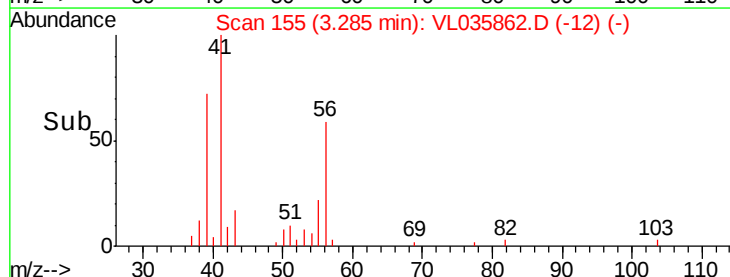
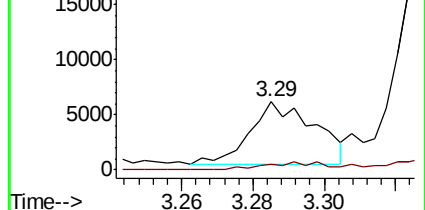
20000

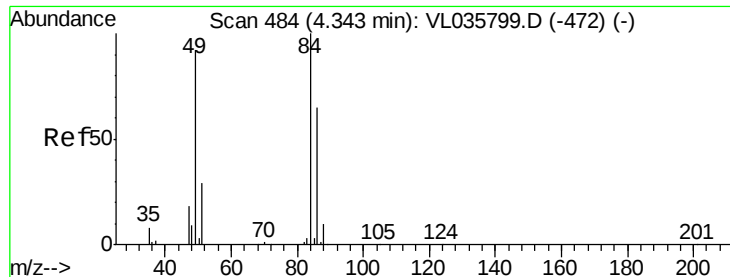
15000

10000

5000

0

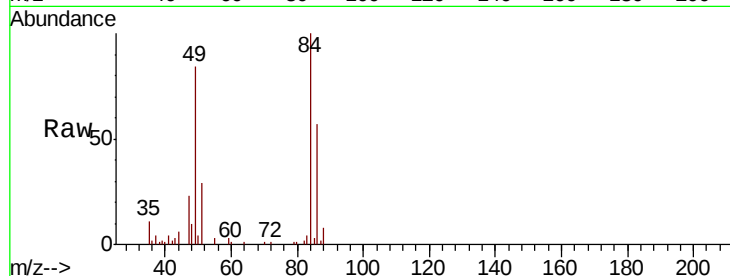




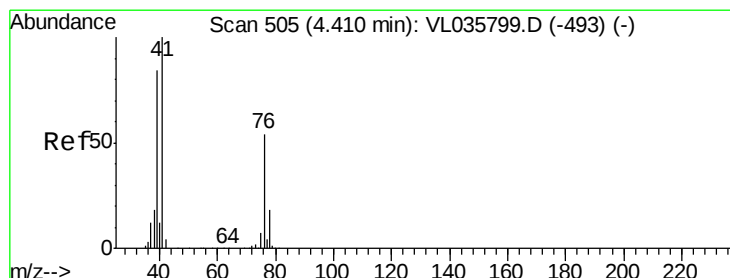
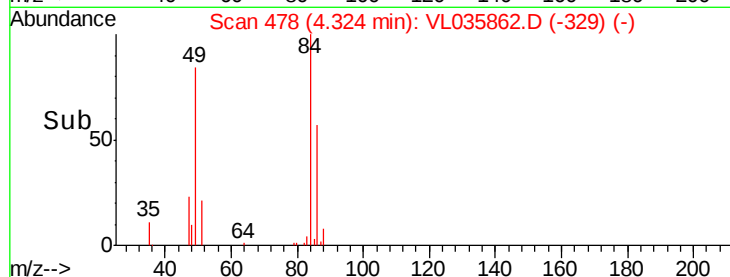
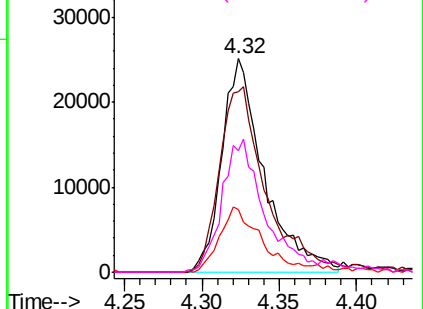
#20  
Methylene Chloride  
Concen: 0.585 ppbv  
RT: 4.32 min Scan# 478  
Delta R.T. -0.02 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 47458 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 84.4  | 73.8  | 110.8 |
| 51       | 28.6  | 23.0  | 34.4  |
| 86       | 55.8  | 52.1  | 78.1  |

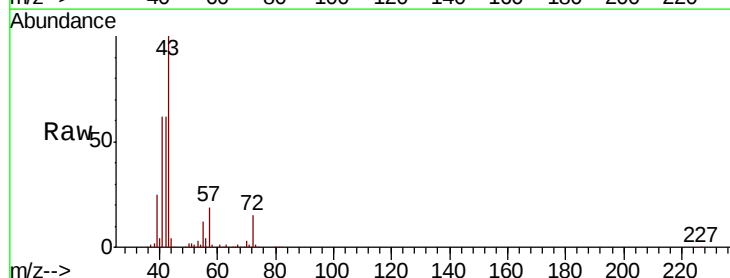


Abundance Ion 84.00 (83.70 to 84.70): VL0  
Ion 49.10 (48.80 to 49.80): VL0  
Ion 51.10 (50.80 to 51.80): VL0  
Ion 86.00 (85.70 to 86.70): VL0

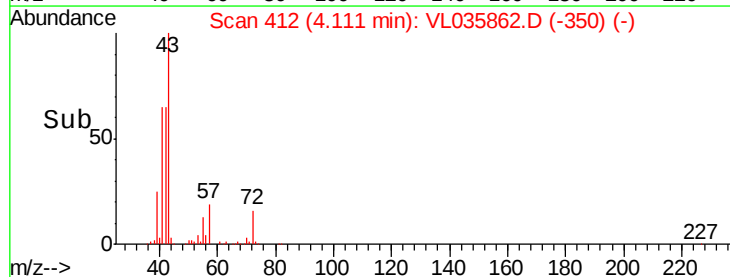
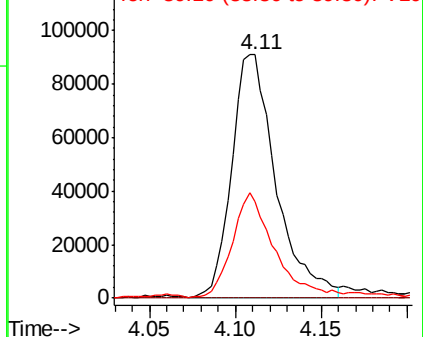


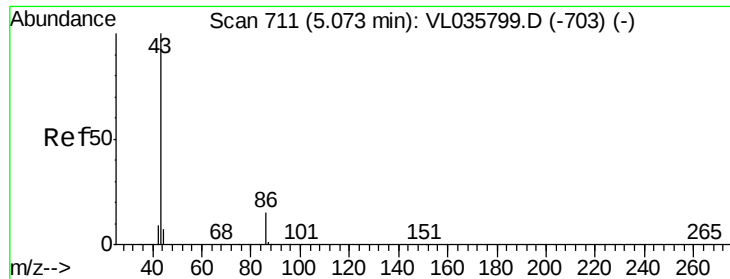
#21  
Allyl Chloride  
Concen: 2.605 ppbv  
RT: 4.11 min Scan# 412  
Delta R.T. -0.30 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 162337 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 76       | 0.0   | 42.6  | 63.8#  |
| 39       | 44.0  | 67.0  | 100.4# |



Abundance Ion 41.10 (40.80 to 41.80): VL0  
Ion 76.10 (75.80 to 76.80): VL0  
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.140 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.04 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA\_L

ClientSampleID :

SV2

Tot Ion: 43 Resp: 22652

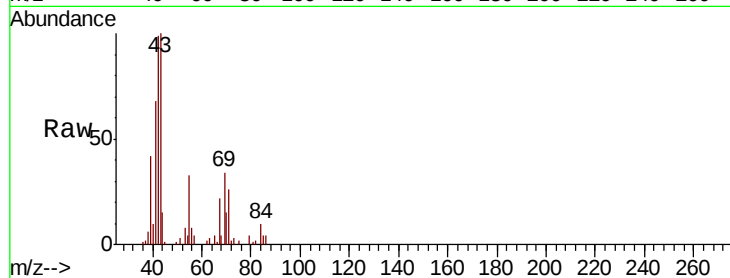
Ion Ratio Lower Upper

43 100

86 4.5 9.8 14.6#

42 98.6 8.1 12.1#

44 1.8 4.2 6.4#

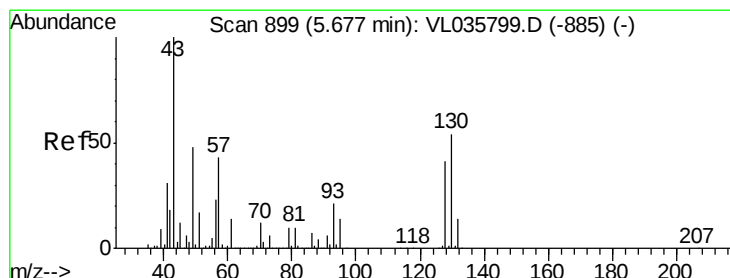
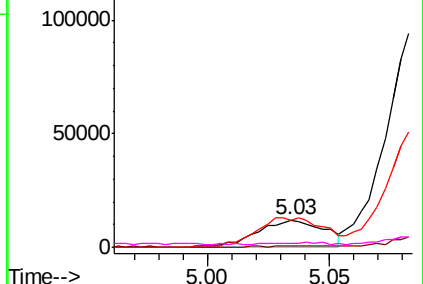
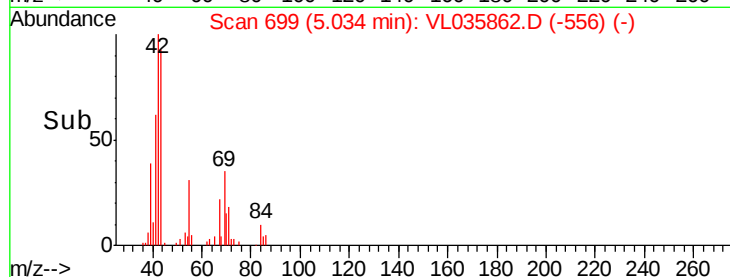


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.872 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Tgt Ion: 43 Resp: 197932

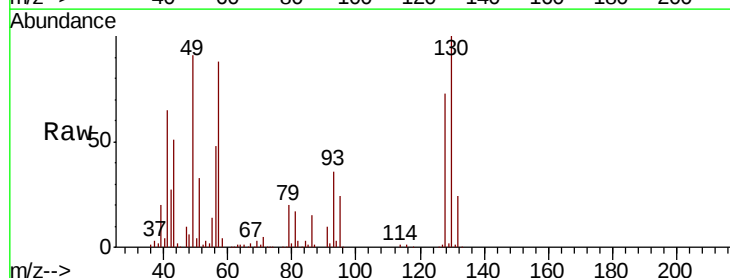
Ion Ratio Lower Upper

43 100

45 0.2 8.5 12.7#

61 0.2 10.7 16.1#

70 2.4 8.6 12.8#

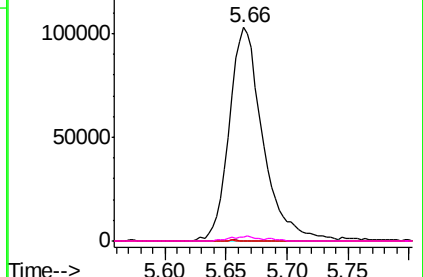
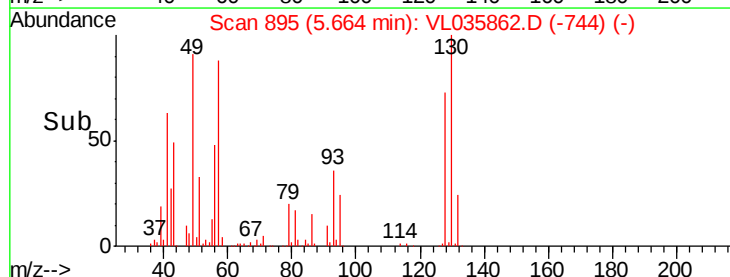


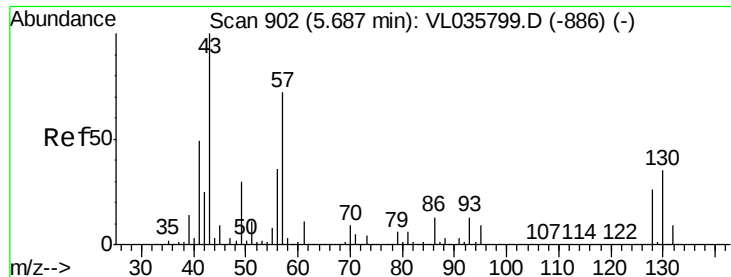
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

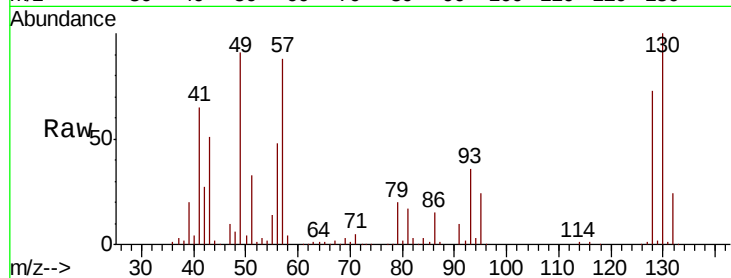




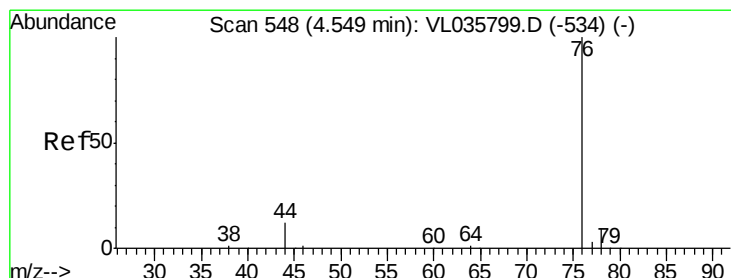
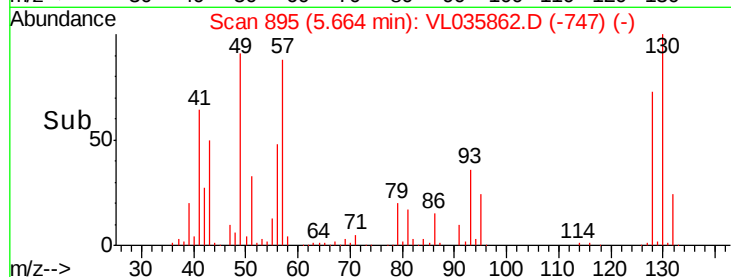
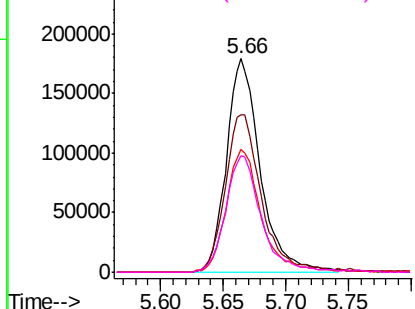
#26  
Hexane  
Concen: 2.676 ppbv  
RT: 5.66 min Scan# 895  
Delta R.T. -0.02 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2

Tot Ion: 57 Resp: 335110  
Ion Ratio Lower Upper  
57 100  
41 79.9 58.9 88.3  
43 59.7 150.2 225.2#  
56 58.1 42.4 63.6

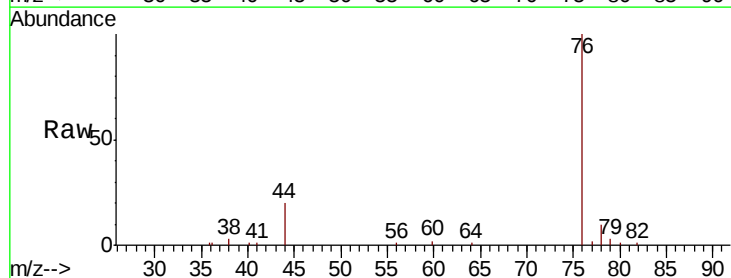


Abundance Ion 57.10 (56.80 to 57.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 43.10 (42.80 to 43.80): VL0  
Ion 56.10 (55.80 to 56.80): VL0

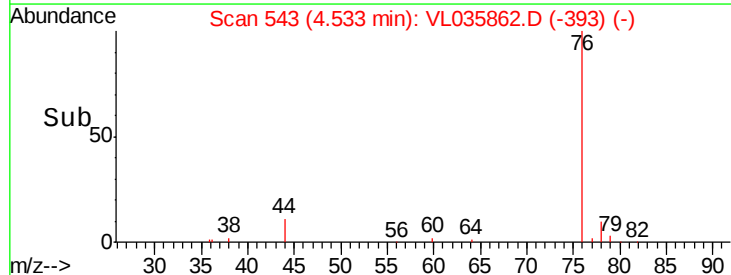
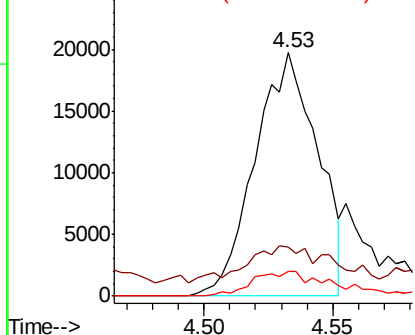


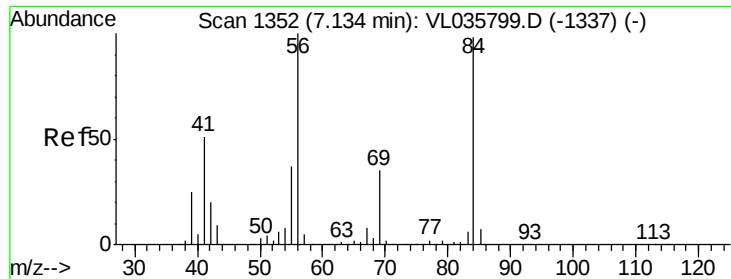
#27  
Carbon Disulfide  
Concen: 0.178 ppbv  
RT: 4.53 min Scan# 543  
Delta R.T. -0.02 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

Tgt Ion: 76 Resp: 33422  
Ion Ratio Lower Upper  
76 100  
44 23.9 9.9 14.9#  
78 13.7 8.1 12.1#



Abundance Ion 76.00 (75.70 to 76.70): VL0  
Ion 44.10 (43.80 to 44.80): VL0  
Ion 78.00 (77.70 to 78.70): VL0

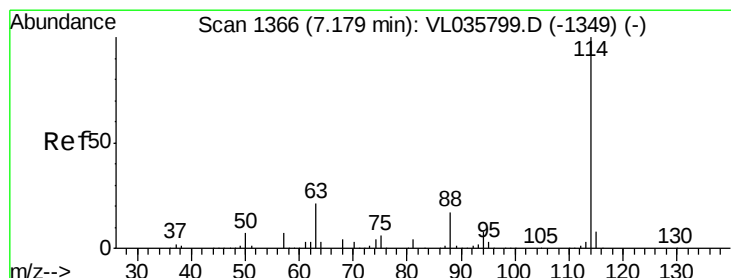
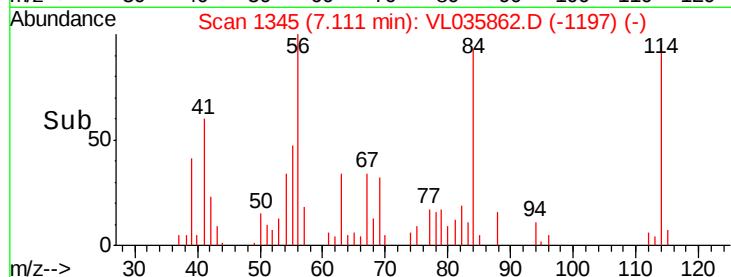
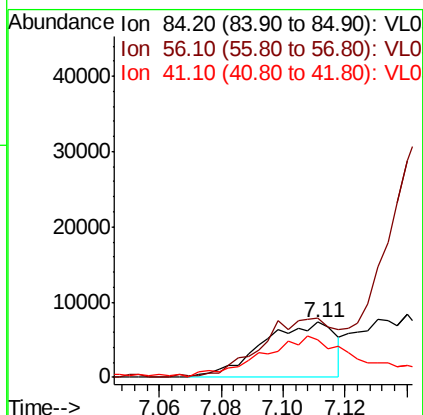
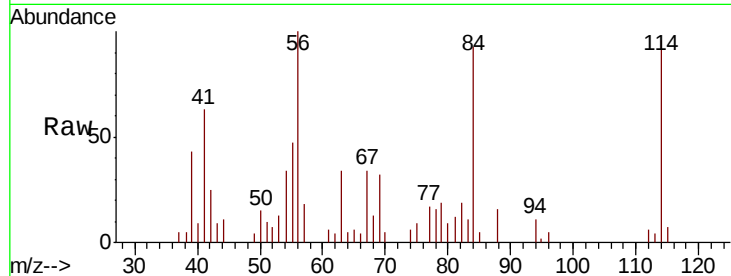




#30  
Cvclohexane  
Concen: 0.088 ppbv  
RT: 7.11 min Scan# 1345  
Delta R.T. -0.02 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

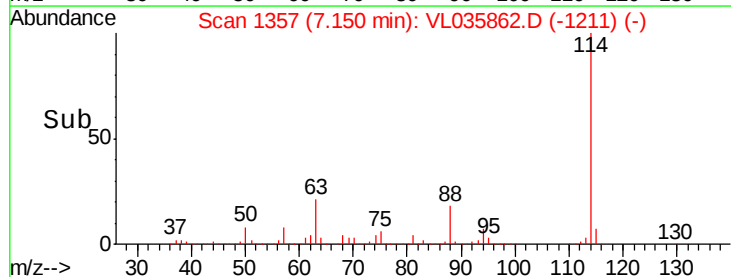
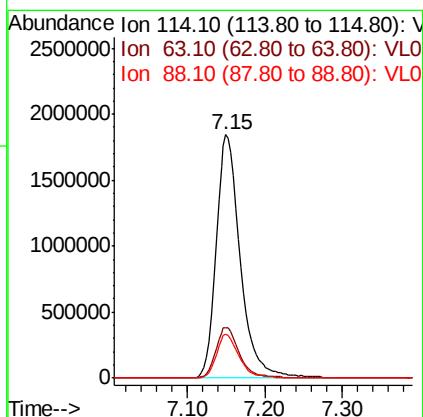
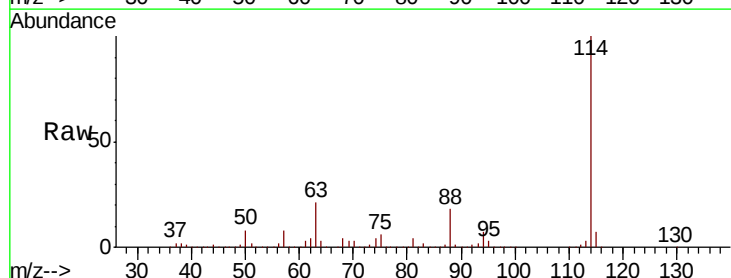
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2

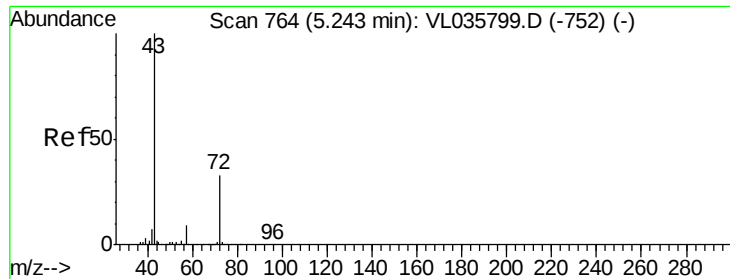
Tot Ion: 84 Resp: 11953  
Ion Ratio Lower Upper  
84 100  
56 0.0 86.4 129.6#  
41 94.0 42.1 63.1#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.15 min Scan# 1357  
Delta R.T. -0.03 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

Tgt Ion: 114 Resp: 4043364  
Ion Ratio Lower Upper  
114 100  
63 20.6 16.1 24.1  
88 17.3 13.7 20.5

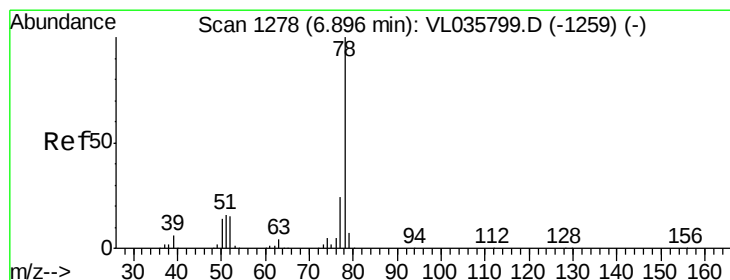
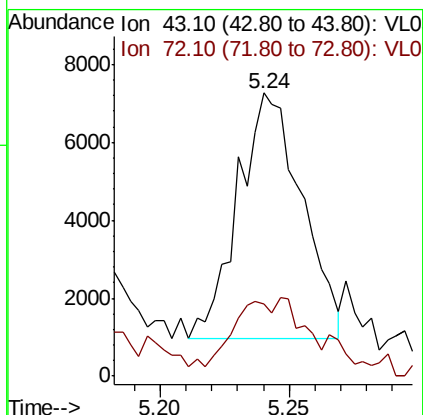
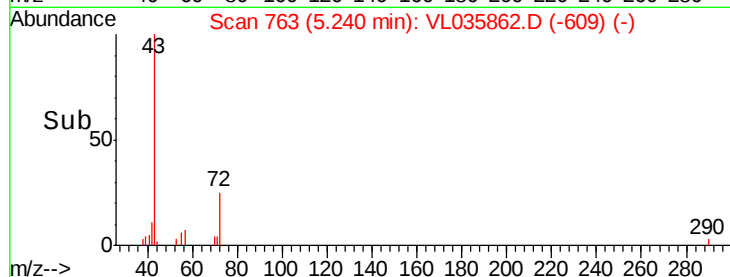
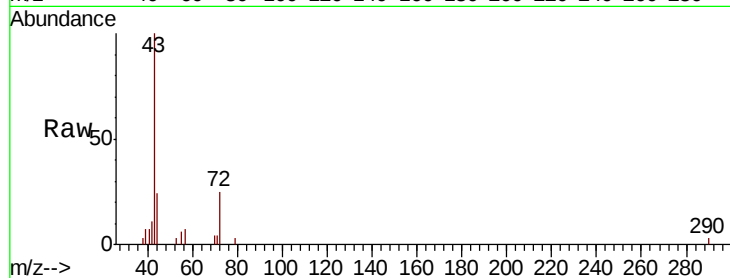




#34  
2-Butanone  
Concen: 0.083 ppbv  
RT: 5.24 min Scan# 763  
Delta R.T. -0.00 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

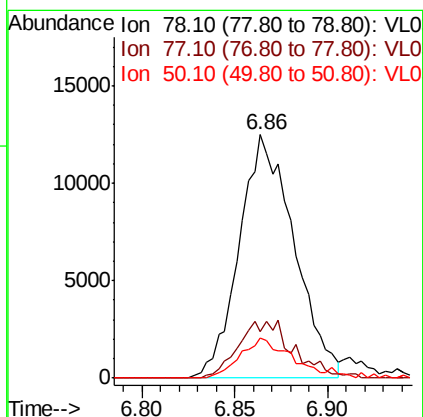
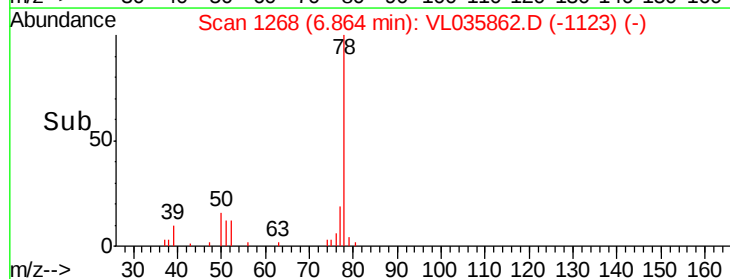
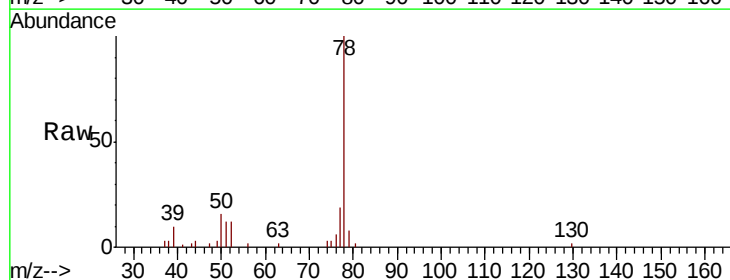
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2

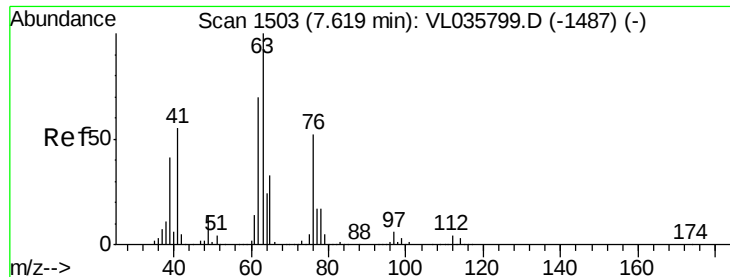
Tot Ion: 43 Resp: 10865  
Ion Ratio Lower Upper  
43 100  
72 42.2 26.5 39.7#



#36  
Benzene  
Concen: 0.085 ppbv  
RT: 6.86 min Scan# 1268  
Delta R.T. -0.03 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

Tgt Ion: 78 Resp: 25637  
Ion Ratio Lower Upper  
78 100  
77 19.1 19.3 28.9#  
50 16.2 11.4 17.2





#39

1,2-Dichloropropane

Concen: 8.022 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.47 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA\_L

ClientSampleId :

SV2

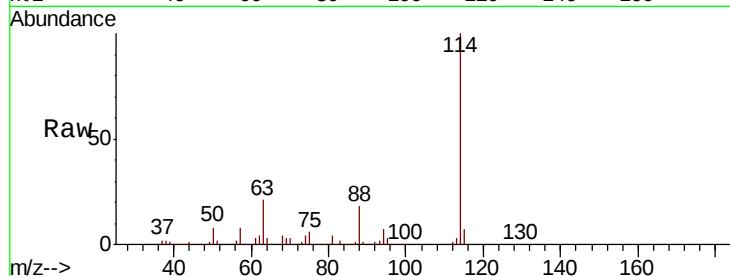
Tot Ion: 63 Resp: 811833

Ion Ratio Lower Upper

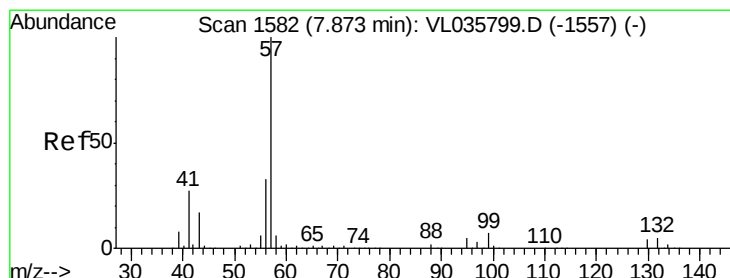
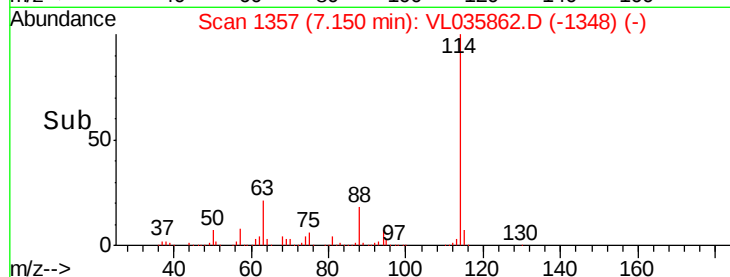
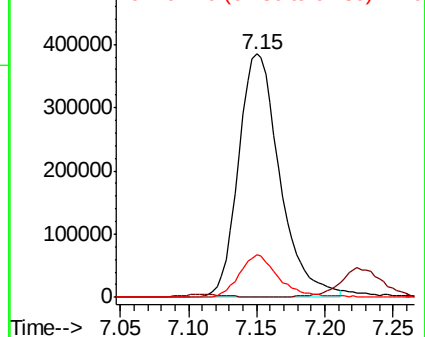
63 100

41 0.0 43.8 65.6#

62 17.7 56.2 84.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 62.10 (61.80 to 62.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.364 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. 0.23 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

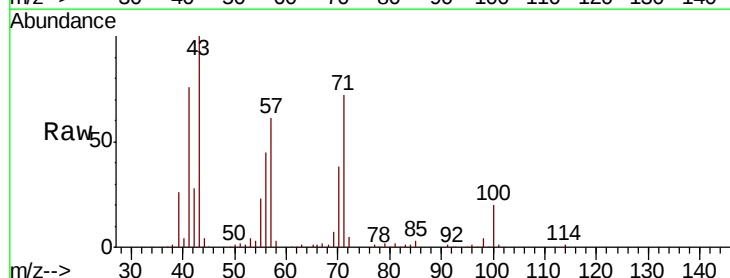
Tgt Ion: 57 Resp: 144817

Ion Ratio Lower Upper

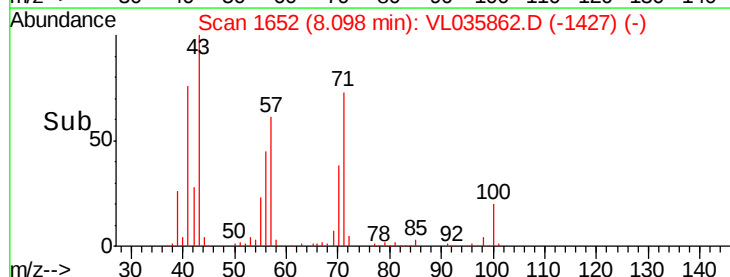
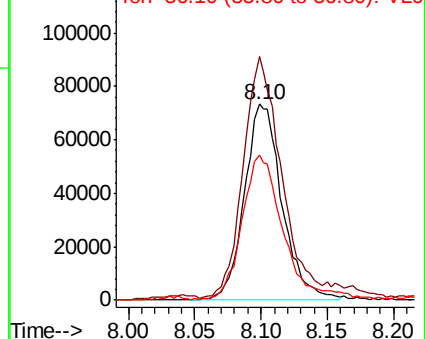
57 100

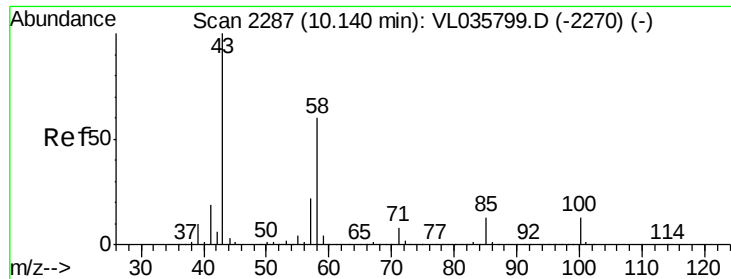
41 137.0 21.0 31.4#

56 81.3 25.4 38.0#



Abundance Ion 57.10 (56.80 to 57.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 56.10 (55.80 to 56.80): VL0

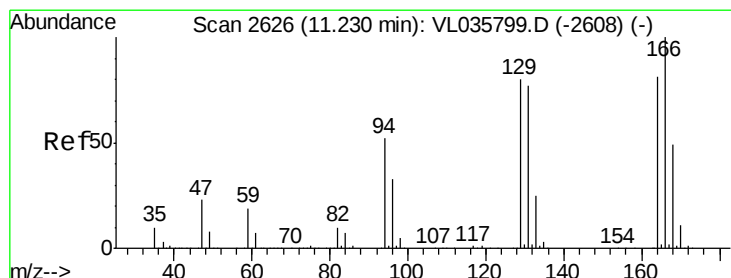
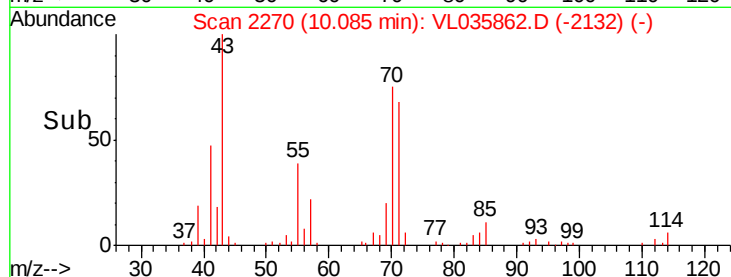
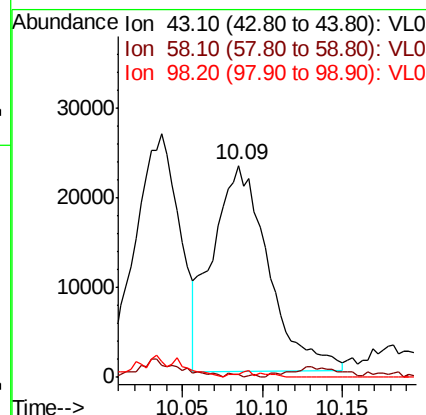
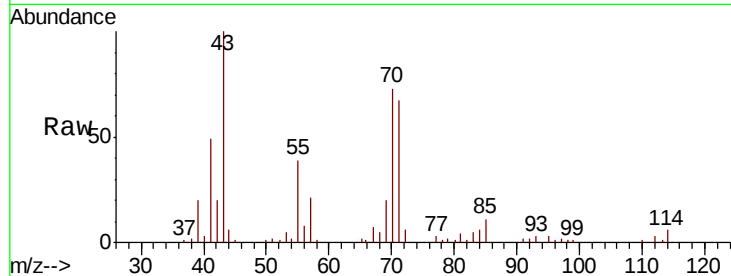




#51  
2-Hexanone  
Concen: 0.341 ppbv  
RT: 10.09 min Scan# 2270  
Delta R.T. -0.05 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

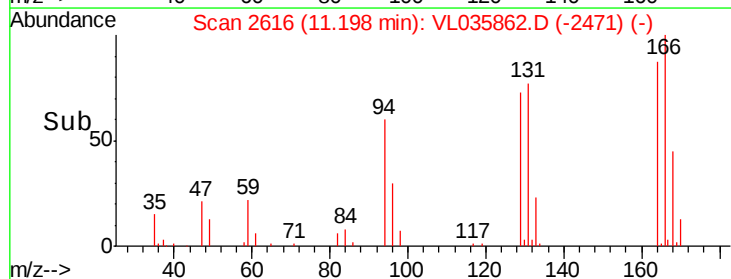
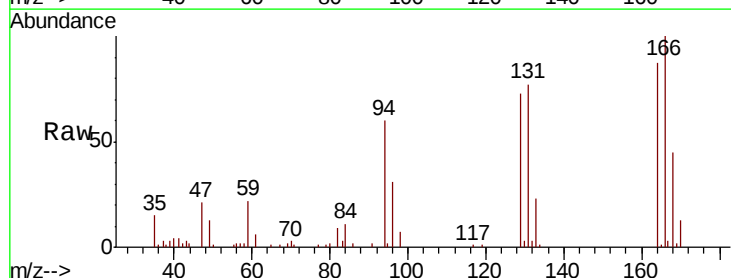
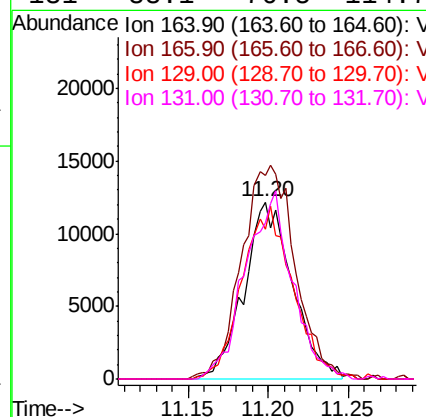
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2

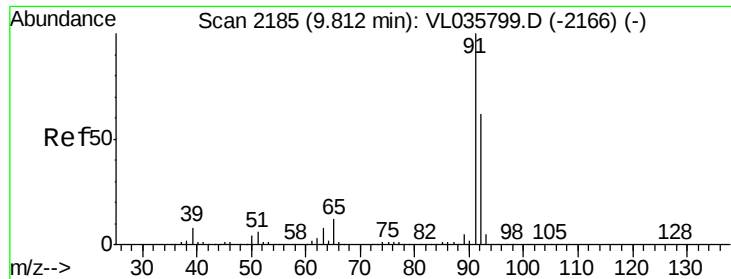
Tot Ion: 43 Resp: 54944  
Ion Ratio Lower Upper  
43 100  
58 0.0 48.3 72.5#  
98 1.4 0.6 0.8#



#52  
Tetrachloroethene  
Concen: 0.178 ppbv  
RT: 11.20 min Scan# 2616  
Delta R.T. -0.03 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

Tgt Ion: 164 Resp: 25374  
Ion Ratio Lower Upper  
164 100  
166 113.2 99.3 148.9  
129 84.3 79.3 118.9  
131 88.1 76.5 114.7





#53

Toluene

Concen: 0.182 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA\_L

ClientSampleId :

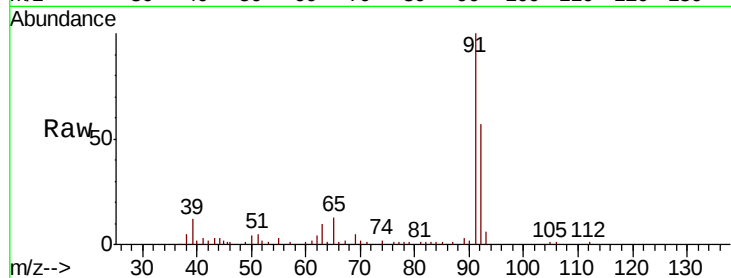
SV2

Tot Ion: 91 Resp: 66134

Ion Ratio Lower Upper

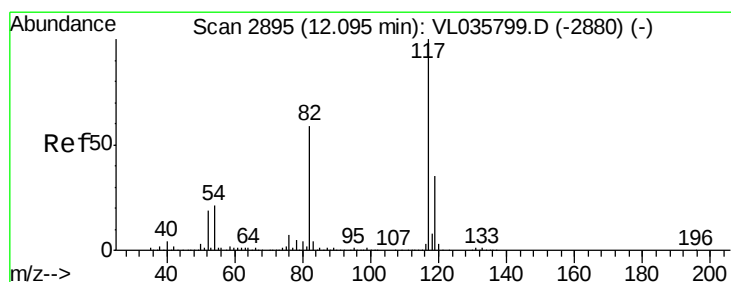
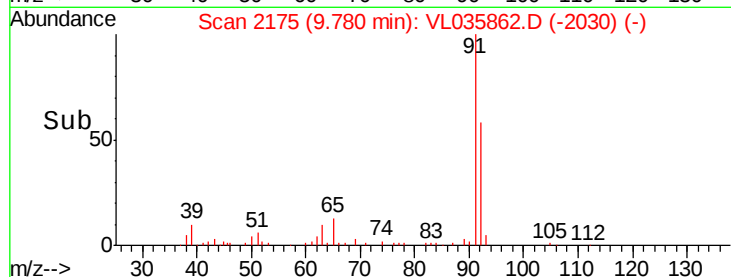
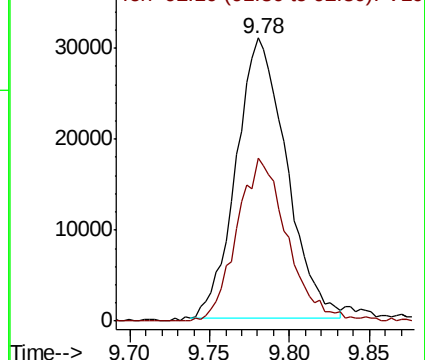
91 100

92 58.6 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.04 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

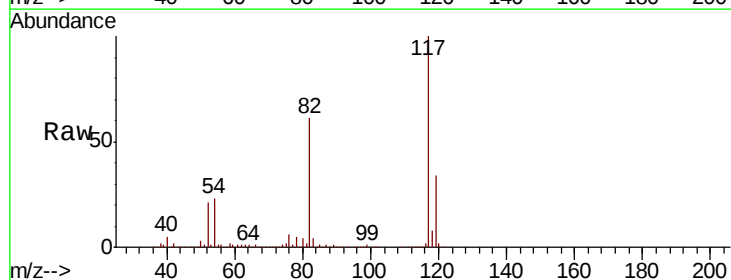
Tgt Ion: 117 Resp: 3823067

Ion Ratio Lower Upper

117 100

82 60.9 50.6 76.0

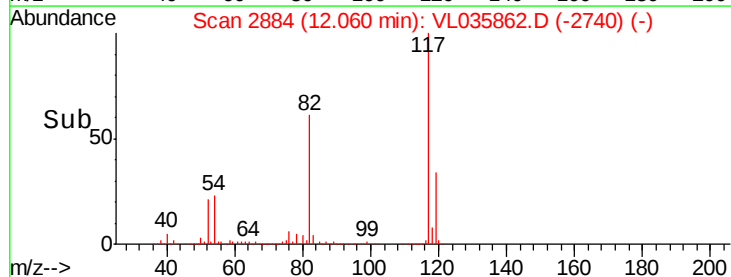
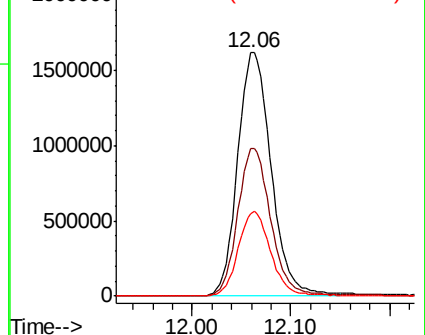
119 34.6 52.6 78.8#

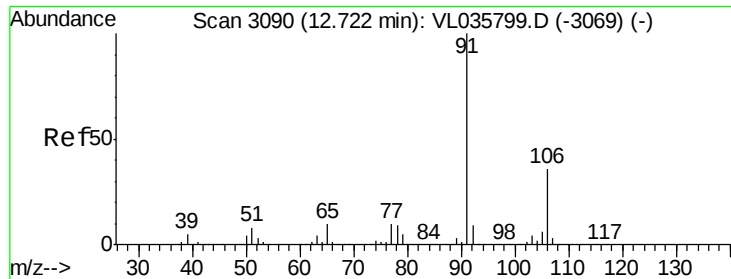


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.070 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.04 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA\_L

ClientSampleId :

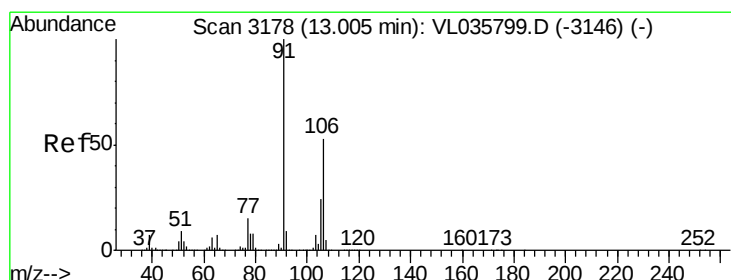
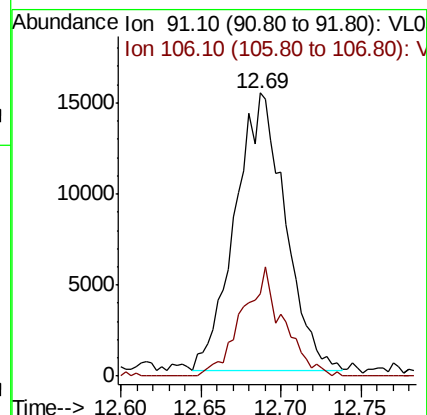
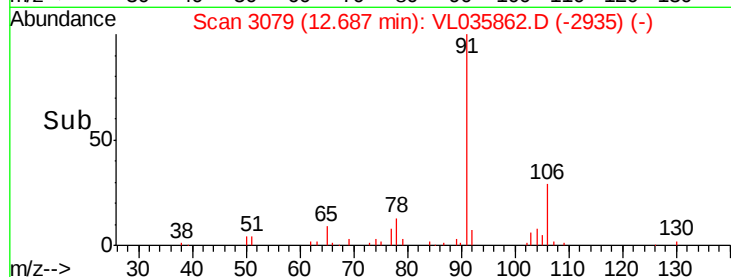
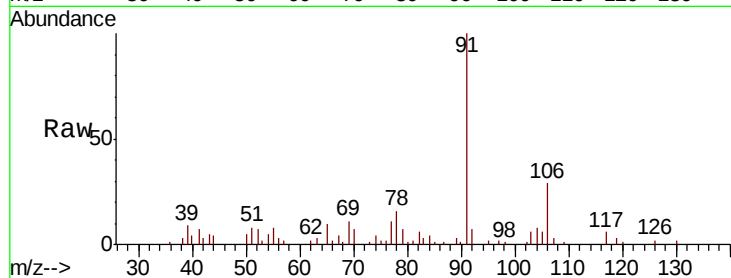
SV2

Tot Ion: 91 Resp: 32824

Ion Ratio Lower Upper

91 100

106 29.9 28.6 43.0



#59

m/p-Xylene

Concen: 0.046 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.04 min

Lab File: VL035862.D

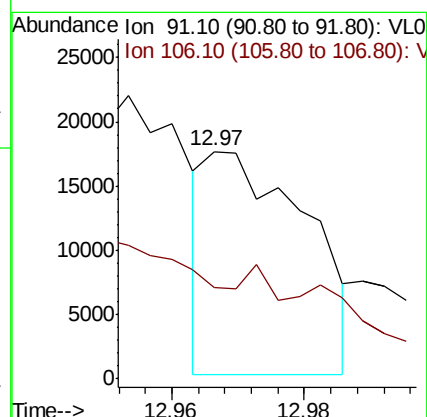
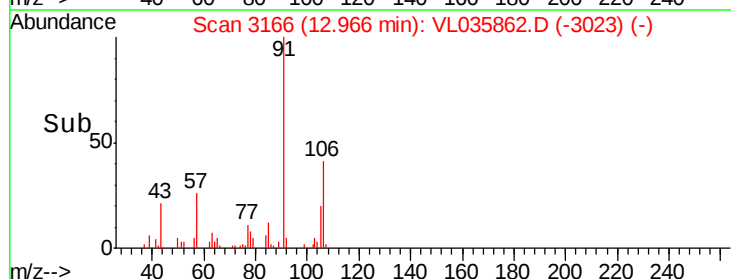
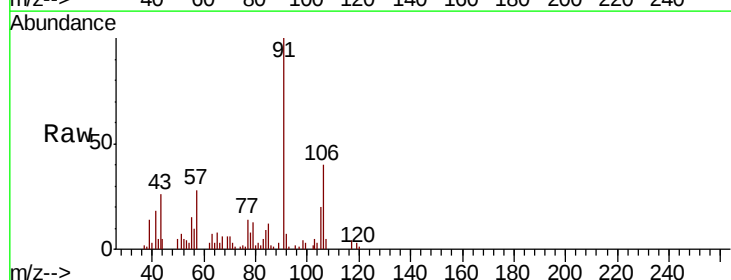
Acq: 5 Nov 2020 15:59

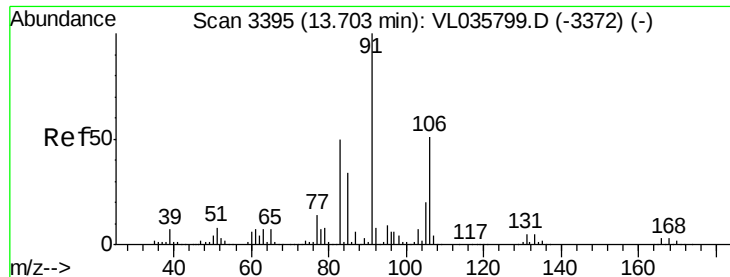
Tgt Ion: 91 Resp: 18244

Ion Ratio Lower Upper

91 100

106 0.0 39.5 59.3#

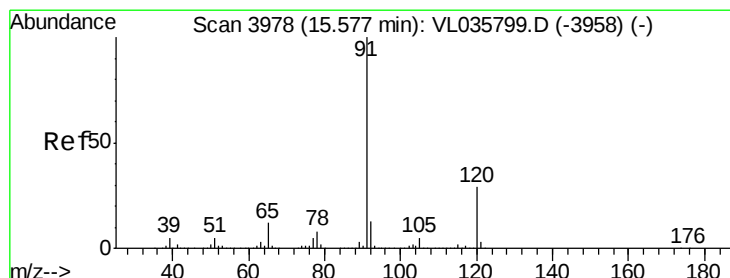
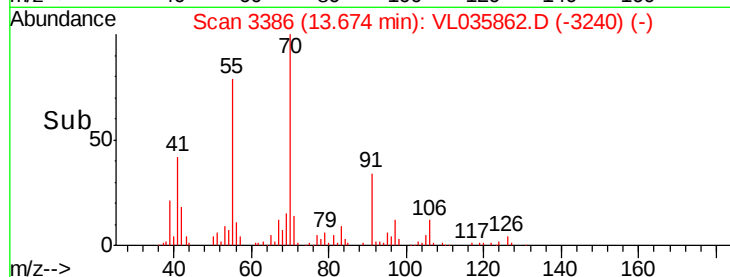
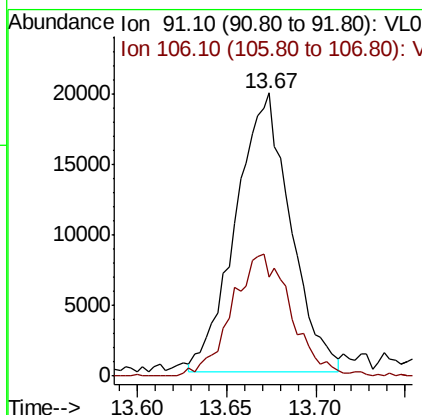
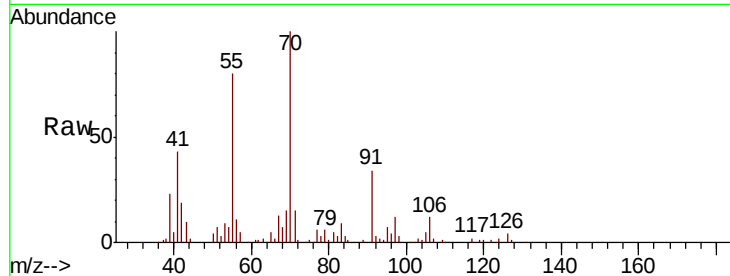




#60  
o-Xylene  
Concen: 0.112 ppbv  
RT: 13.67 min Scan# 3386  
Delta R.T. -0.03 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

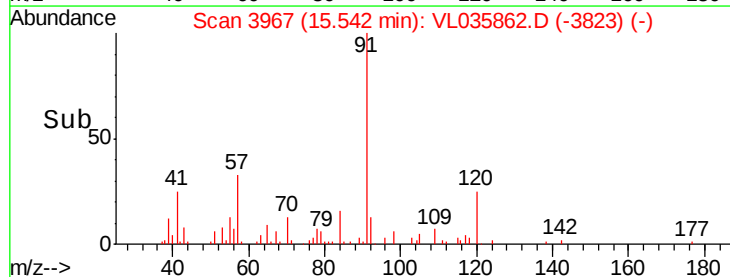
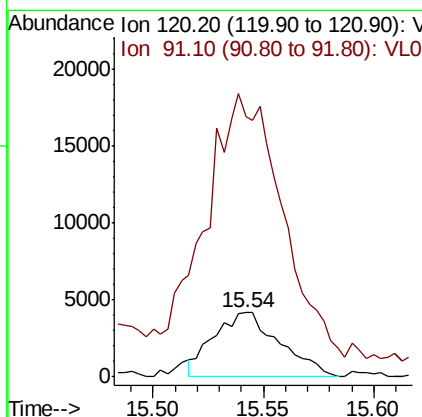
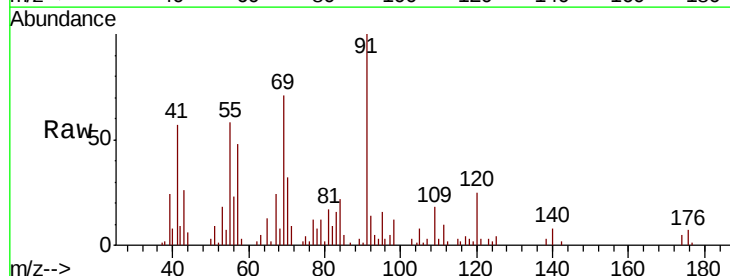
Instrument :  
MSVOA\_L  
ClientSampled :  
SV2

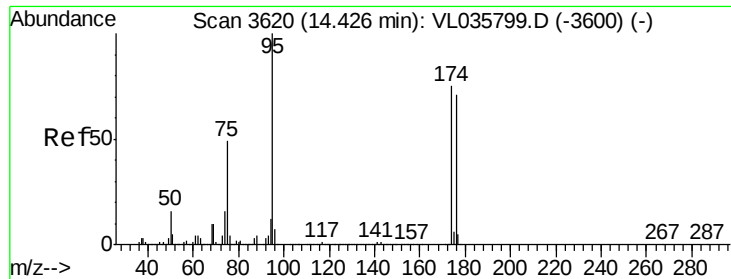
Tot Ion: 91 Resp: 42739  
Ion Ratio Lower Upper  
91 100  
106 47.0 24.8 74.4



#64  
n-propylbenzene  
Concen: 0.050 ppbv  
RT: 15.54 min Scan# 3967  
Delta R.T. -0.04 min  
Lab File: VL035862.D  
Acq: 5 Nov 2020 15:59

Tgt Ion: 120 Resp: 8705  
Ion Ratio Lower Upper  
120 100  
91 585.0 311.1 466.7#

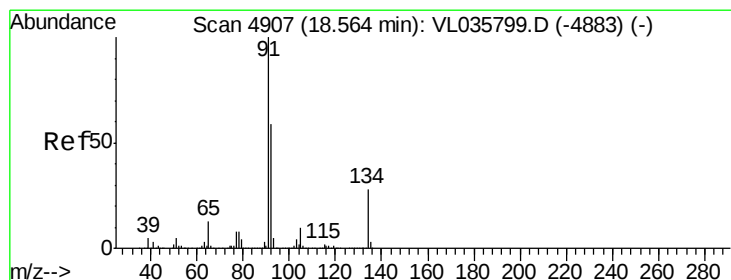
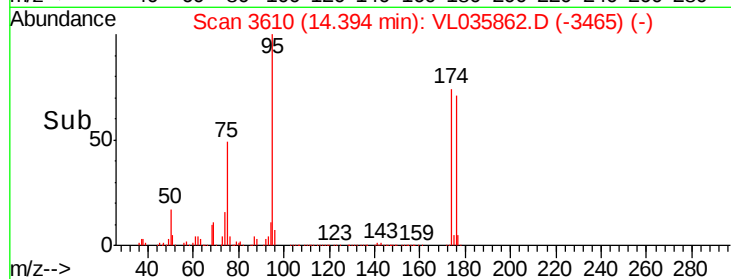
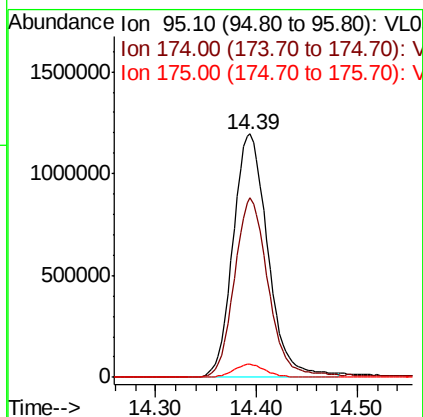
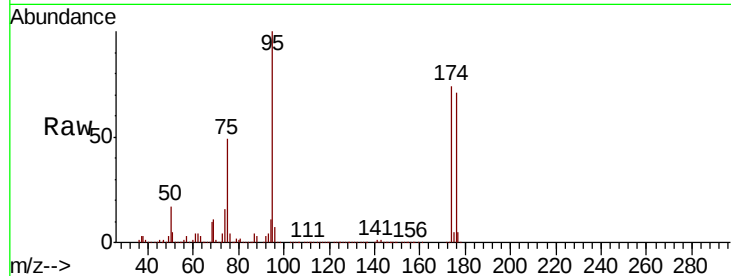




#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.517 ppbv  
 RT: 14.39 min Scan# 3610  
 Delta R.T. -0.03 min  
 Lab File: VL035862.D  
 Acq: 5 Nov 2020 15:59

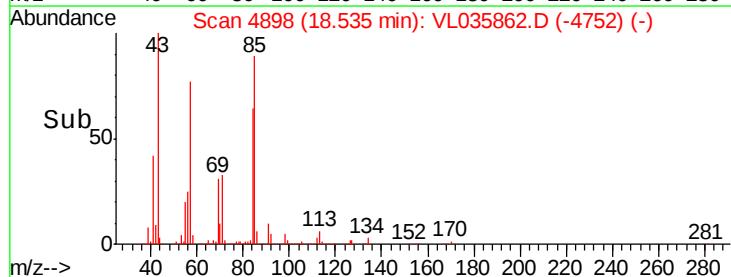
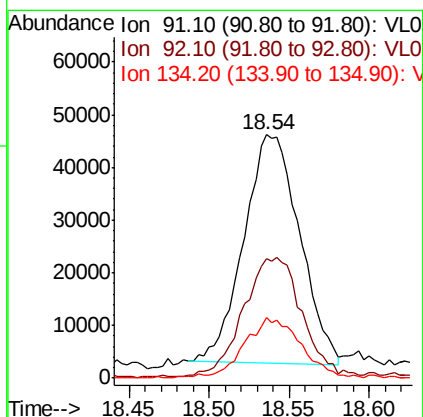
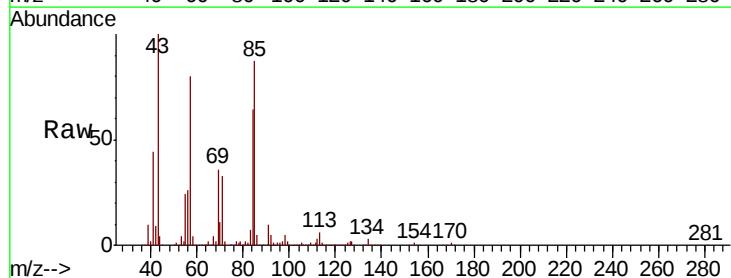
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV2

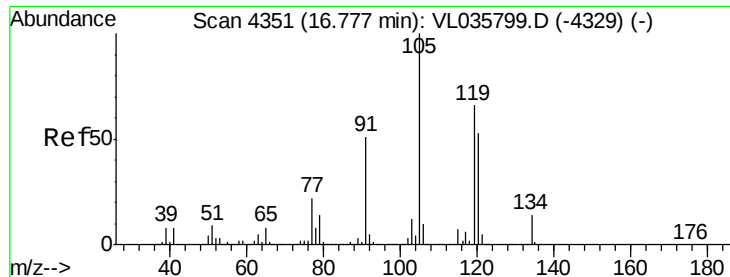
Tot Ion: 95 Resp: 2856696  
 Ion Ratio Lower Upper  
 95 100  
 174 73.7 59.8 89.6  
 175 5.3 4.3 6.5



#70  
 n-Butylbenzene  
 Concen: 0.177 ppbv  
 RT: 18.54 min Scan# 4898  
 Delta R.T. -0.03 min  
 Lab File: VL035862.D  
 Acq: 5 Nov 2020 15:59

Tgt Ion: 91 Resp: 103985  
 Ion Ratio Lower Upper  
 91 100  
 92 56.5 45.7 68.5  
 134 27.5 21.0 31.4





#74

1,2,4-Trimethylbenzene

Concen: 0.103 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.03 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA\_L

ClientSampleId :

SV2

Tot Ion:105 Resp: 46838

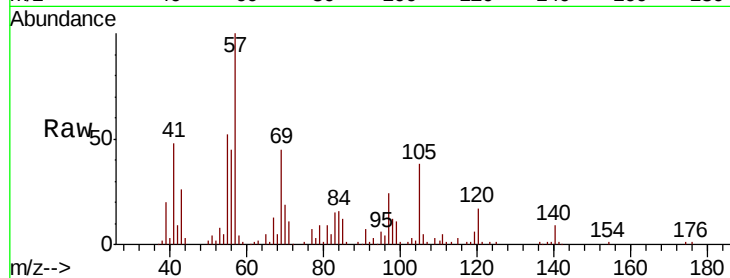
Ion Ratio Lower Upper

105 100

120 45.8 42.0 63.0

91 8.0 41.0 61.6#

77 11.6 17.3 25.9#

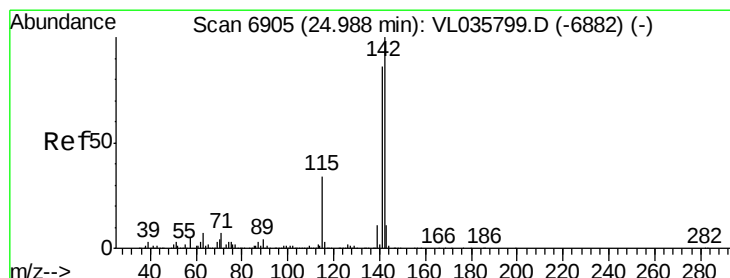
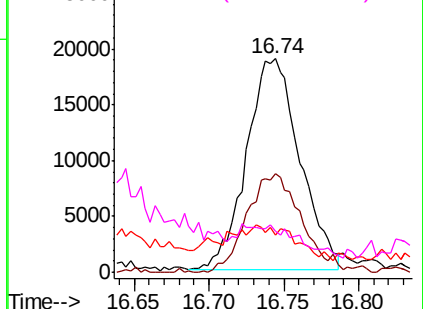
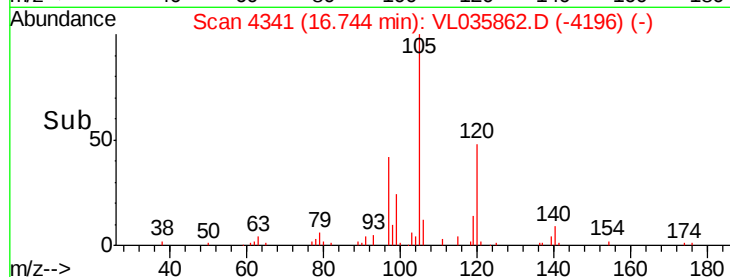


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#80

Naphthalene, 2-methyl-

Concen: 0.042 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. -0.01 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

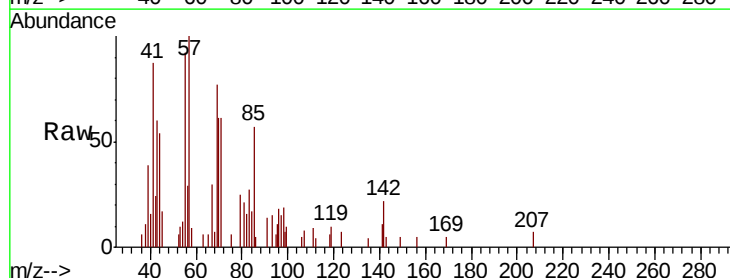
Tgt Ion:142 Resp: 2184

Ion Ratio Lower Upper

142 100

141 67.6 67.8 101.8#

115 16.7 28.1 42.1#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

