

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL050219\  
 Data File : VL033629.D  
 Acq On : 2 May 2019 15:43  
 Operator : SY/AP  
 Sample : K2628-02  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 A-2

Quant Time: May 03 02:28:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL050119AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May 02 06:29:02 2019  
 QLast Update : Thu May 02 06:29:02 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 841150   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 2118538  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.23 | 117  | 2280220  | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.57  | 95    | 1792787  | 10.33    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.30% |

## Target Compounds

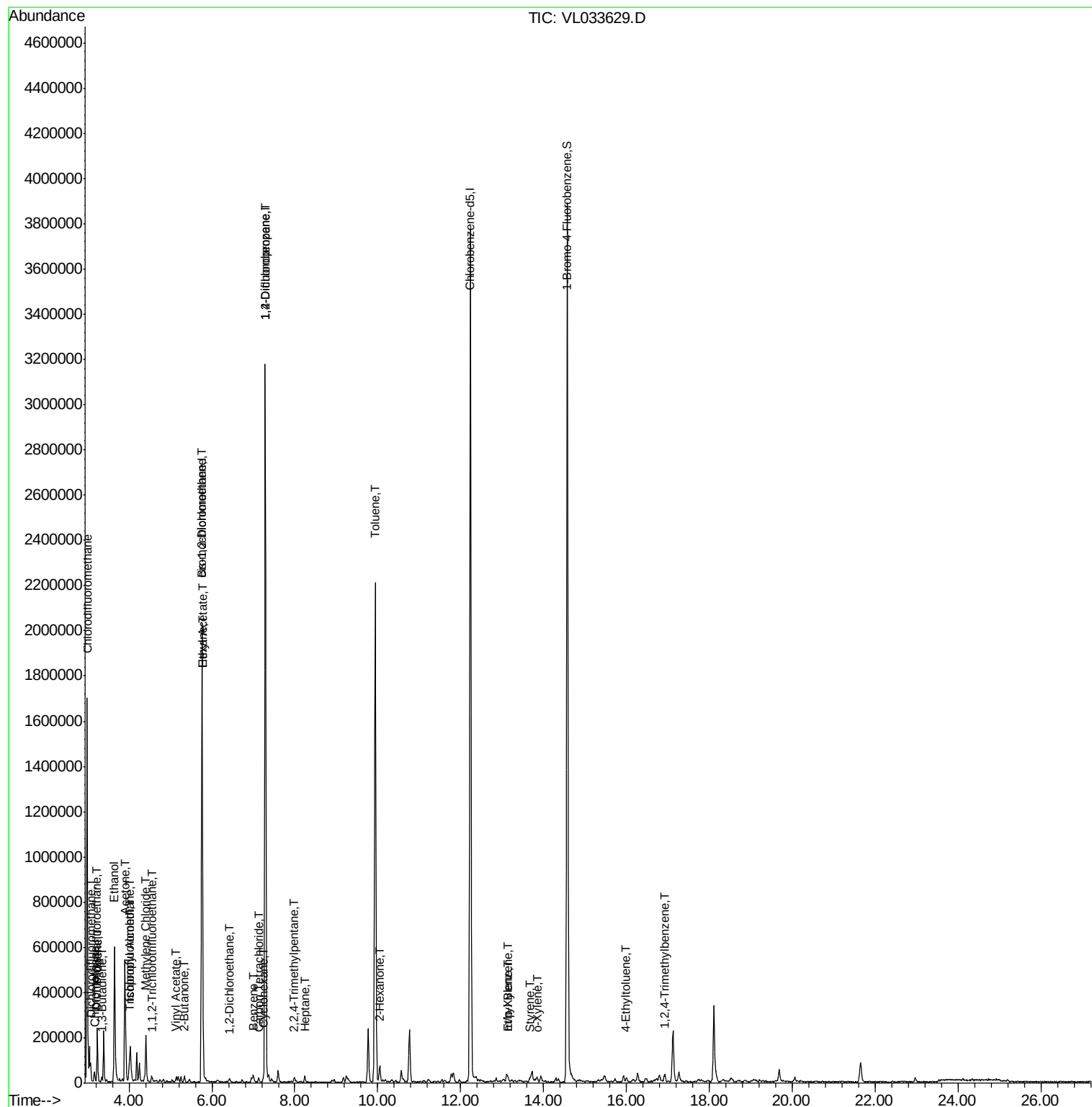
|                                |       |     |         |        | Qvalue     |
|--------------------------------|-------|-----|---------|--------|------------|
| 2) Dichlorodifluoromethane     | 3.08  | 85  | 54930   | 0.433  | ppbv 95    |
| 3) Chlorodifluoromethane       | 2.99  | 51  | 1041771 | 10.359 | ppbv # 61  |
| 4) Chloromethane               | 3.17  | 50  | 34036   | 0.621  | ppbv 97    |
| 8) Dichlorotetrafluoroethane   | 3.22  | 85  | 2501    | 0.018  | ppbv 86    |
| 9) Propene                     | 3.24  | 41  | 43092   | 1.496  | ppbv 92    |
| 10) Heptane                    | 8.24  | 43  | 5229    | 0.049  | ppbv # 38  |
| 11) Trichlorofluoromethane     | 4.00  | 101 | 45307   | 0.301  | ppbv 94    |
| 12) 1,1,2-Trichlorotrifluoroet | 4.54  | 101 | 2565    | 0.025  | ppbv # 12  |
| 13) Ethanol                    | 3.65  | 45  | 630188  | 48.266 | ppbv 99    |
| 15) Acetone                    | 3.90  | 43  | 544338  | 5.316  | ppbv 97    |
| 16) 1,3-Butadiene              | 3.35  | 39  | 3005    | 0.065  | ppbv # 30  |
| 19) Isopropyl Alcohol          | 4.03  | 45  | 160268  | 2.280  | ppbv # 93  |
| 20) Methylene Chloride         | 4.41  | 84  | 70662   | 1.771  | ppbv 96    |
| 23) Vinyl Acetate              | 5.14  | 43  | 9098    | 0.060  | ppbv # 37  |
| 25) Ethyl Acetate              | 5.78  | 43  | 108672  | 0.559  | ppbv # 86  |
| 26) Hexane                     | 5.78  | 57  | 120536  | 1.473  | ppbv # 44  |
| 30) Cyclohexane                | 7.24  | 84  | 802     | 0.012  | ppbv # 1   |
| 31) cis-1,2-Dichloroethene     | 5.76  | 61  | 1643    | 0.020  | ppbv # 39  |
| 34) 2-Butanone                 | 5.34  | 43  | 26640   | 0.205  | ppbv 98    |
| 35) Carbon Tetrachloride       | 7.13  | 117 | 7901    | 0.047  | ppbv # 94  |
| 36) Benzene                    | 6.99  | 78  | 17788   | 0.099  | ppbv # 93  |
| 37) 1,2-Dichloroethane         | 6.40  | 62  | 1947    | 0.016  | ppbv # 84  |
| 39) 1,2-Dichloropropane        | 7.29  | 63  | 574429  | 8.439  | ppbv # 24  |
| 44) 2,2,4-Trimethylpentane     | 7.99  | 57  | 4420    | 0.014  | ppbv # 1   |
| 51) 2-Hexanone                 | 10.05 | 43  | 14925   | 0.083  | ppbv # 32  |
| 53) Toluene                    | 9.94  | 91  | 1484966 | 6.519  | ppbv 99    |
| 58) Ethyl Benzene              | 13.14 | 91  | 3364    | 0.013  | ppbv 92    |
| 59) m/p-Xylene                 | 13.14 | 91  | 3364    | 0.015  | ppbv # 100 |
| 60) o-Xylene                   | 13.84 | 91  | 15523   | 0.068  | ppbv 93    |
| 61) Styrene                    | 13.68 | 104 | 2376    | 0.015  | ppbv # 18  |
| 72) 4-Ethyltoluene             | 15.99 | 105 | 5064    | 0.019  | ppbv # 54  |
| 74) 1,2,4-Trimethylbenzene     | 16.92 | 105 | 7467    | 0.026  | ppbv # 86  |

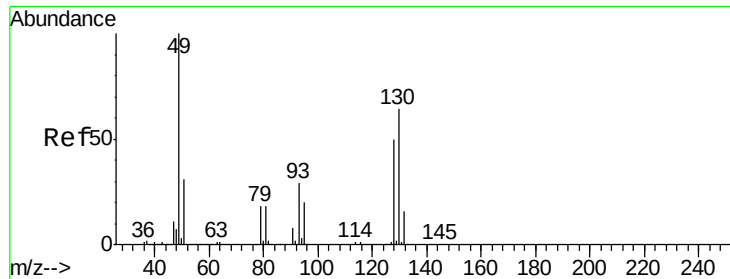
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL050219\  
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Sample : K2628-02  
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Instrument :  
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Quant Time: May 03 02:28:10 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL050119AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May 02 06:29:02 2019  
QLast Update : Thu May 02 06:29:02 2019  
Response via : Initial Calibration

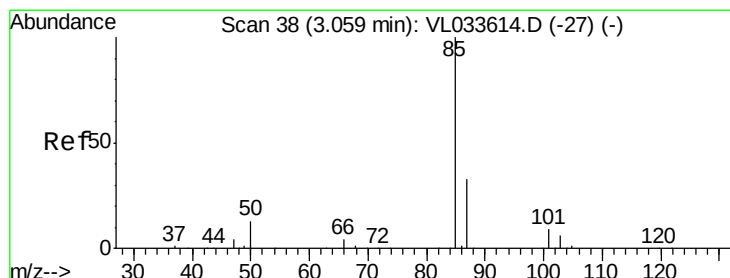
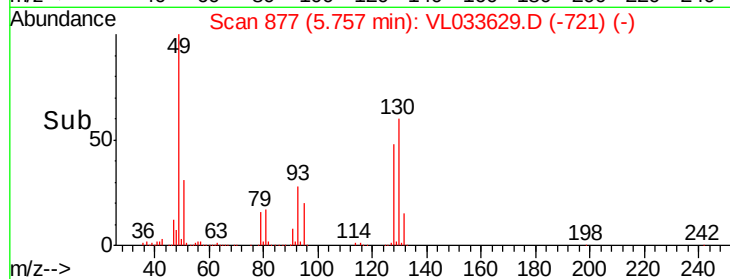
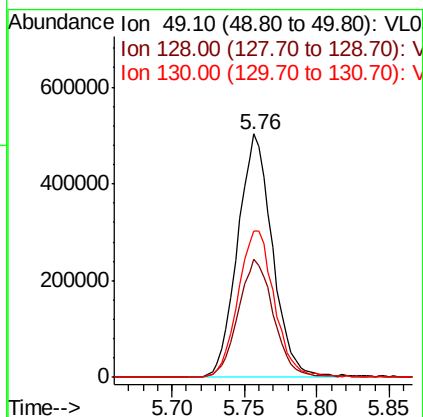
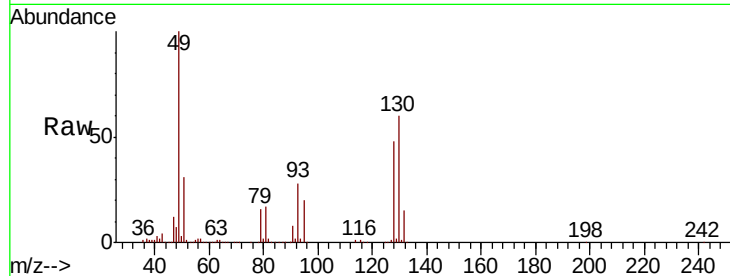




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.76 min Scan# 877  
 Delta R.T. 0.00 min  
 Lab File: VL033629.D  
 Acq: 2 May 2019 15:43

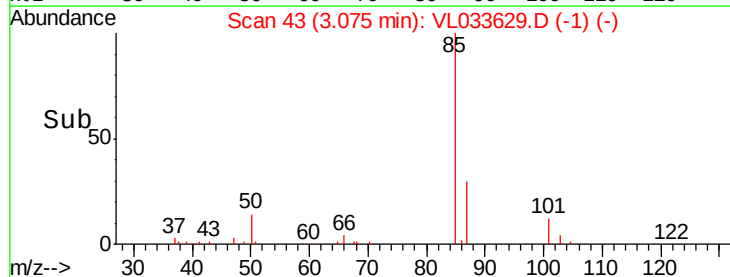
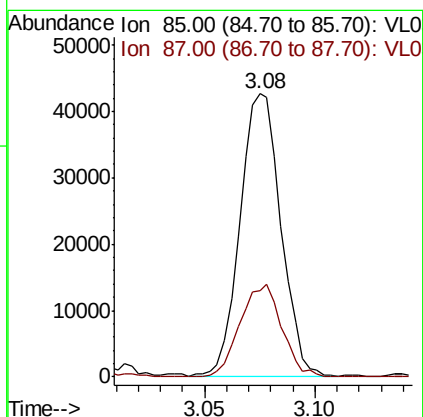
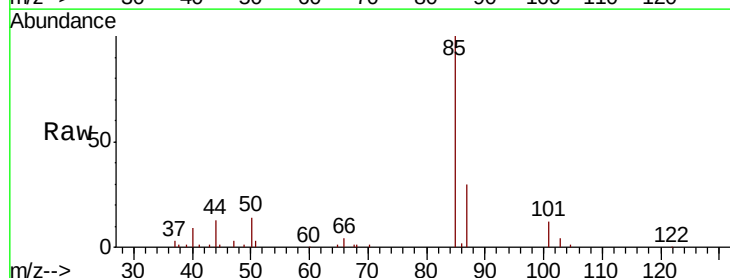
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 A-2

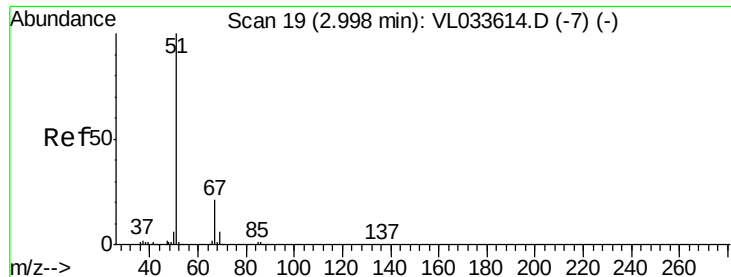
Tgt Ion: 49 Resp: 841150  
 Ion Ratio Lower Upper  
 49 100  
 128 49.4 25.0 75.0  
 130 63.0 31.9 95.9



#2  
 Dichlorodifluoromethane  
 Concen: 0.433 ppbv  
 RT: 3.08 min Scan# 43  
 Delta R.T. 0.02 min  
 Lab File: VL033629.D  
 Acq: 2 May 2019 15:43

Tgt Ion: 85 Resp: 54930  
 Ion Ratio Lower Upper  
 85 100  
 87 30.5 26.8 40.2

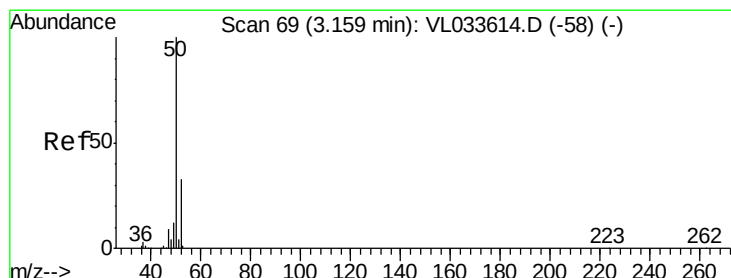
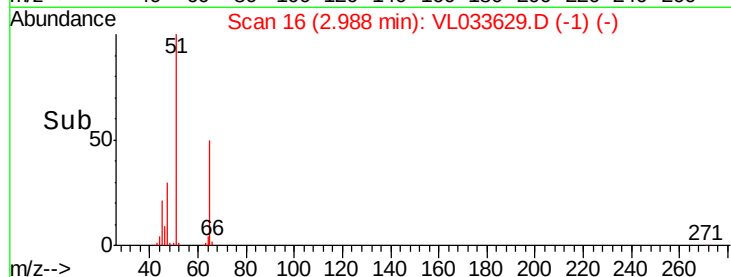
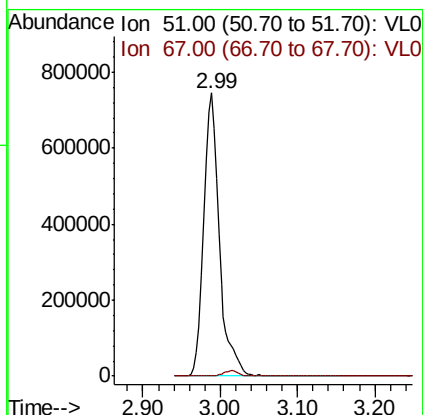
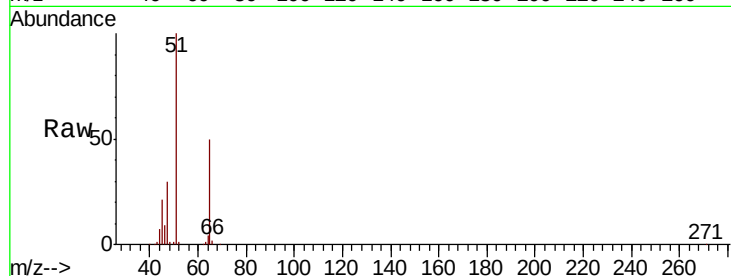




#3  
 Chlorodifluoromethane  
 Concen: 10.359 ppbv  
 RT: 2.99 min Scan# 16  
 Delta R.T. -0.01 min  
 Lab File: VL033629.D  
 Acq: 2 May 2019 15:43

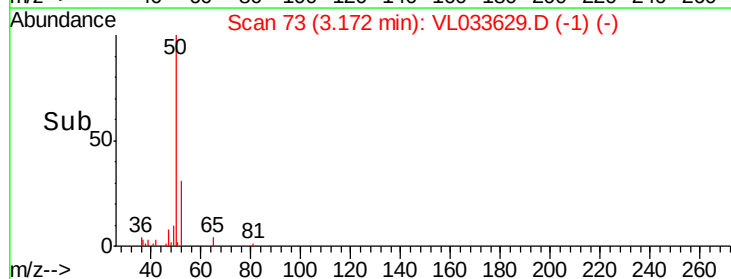
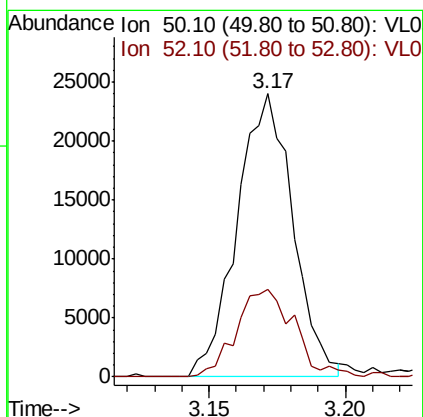
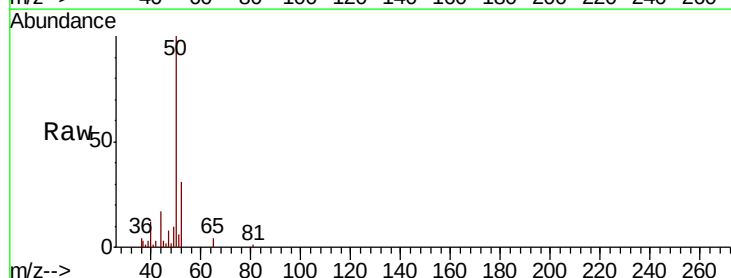
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 A-2

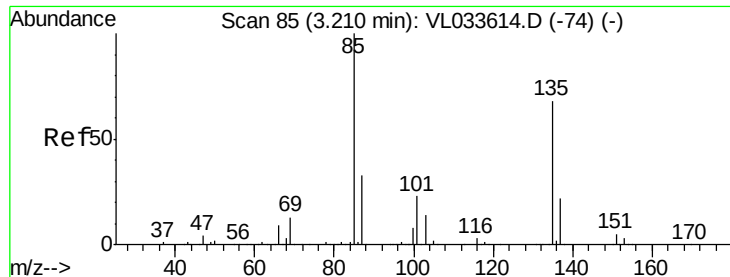
Tgt Ion: 51 Resp: 1041771  
 Ion Ratio Lower Upper  
 51 100  
 67 1.9 15.6 23.4#



#4  
 Chloromethane  
 Concen: 0.621 ppbv  
 RT: 3.17 min Scan# 73  
 Delta R.T. 0.01 min  
 Lab File: VL033629.D  
 Acq: 2 May 2019 15:43

Tgt Ion: 50 Resp: 34036  
 Ion Ratio Lower Upper  
 50 100  
 52 30.7 26.0 39.0





#8

Dichlorotetrafluoroethane

Concen: 0.018 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.01 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampleId :

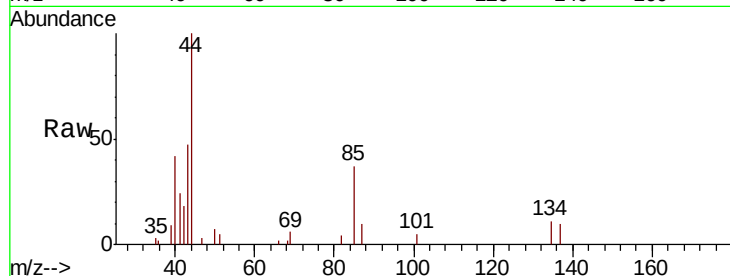
A-2

Tgt Ion: 85 Resp: 2501

Ion Ratio Lower Upper

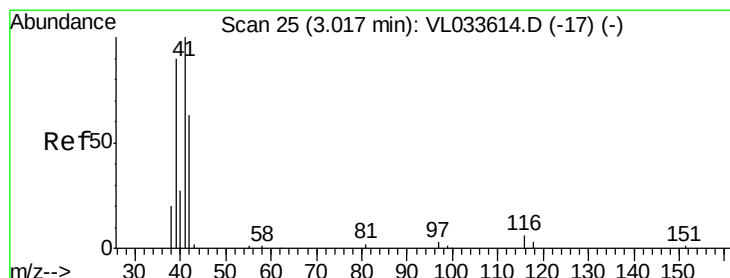
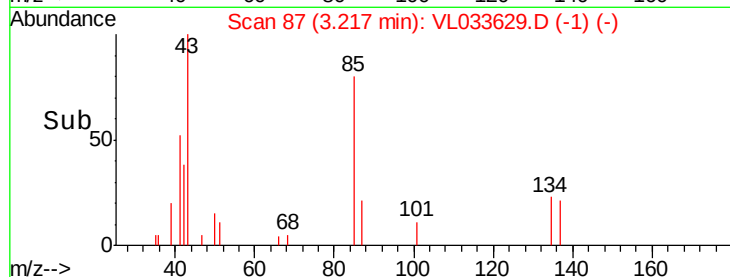
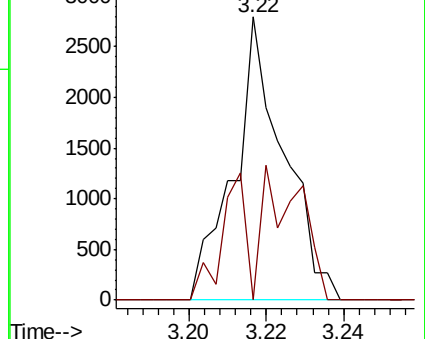
85 100

135 57.6 55.0 82.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 1.496 ppbv

RT: 3.24 min Scan# 93

Delta R.T. 0.22 min

Lab File: VL033629.D

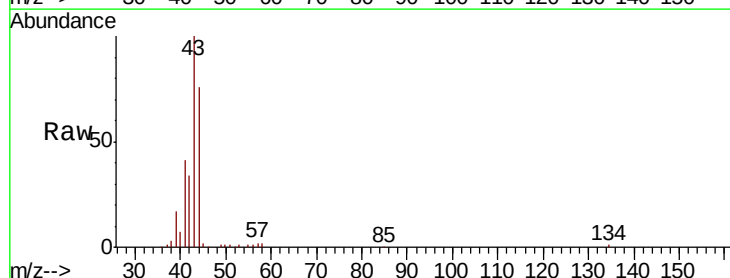
Acq: 2 May 2019 15:43

Tgt Ion: 41 Resp: 43092

Ion Ratio Lower Upper

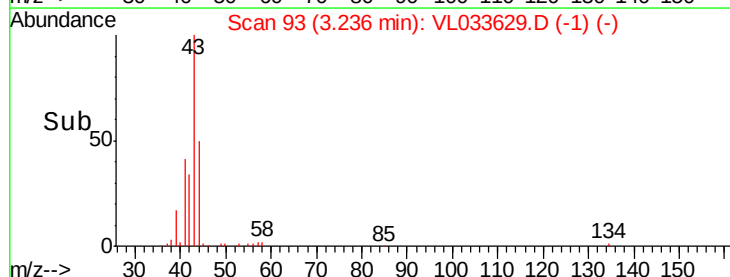
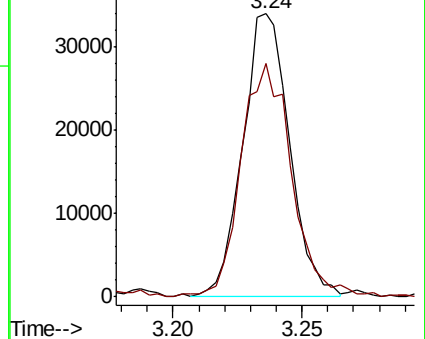
41 100

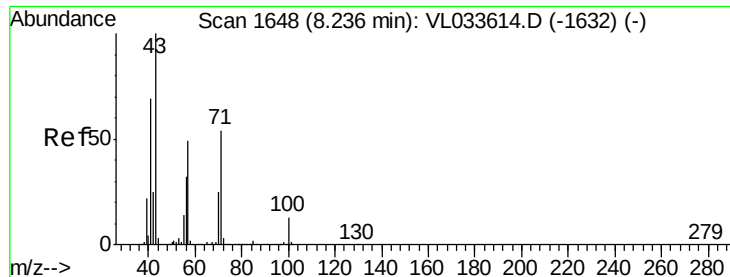
42 89.4 66.0 99.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.049 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampleId :

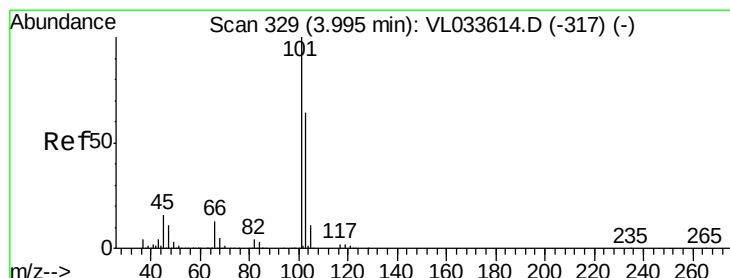
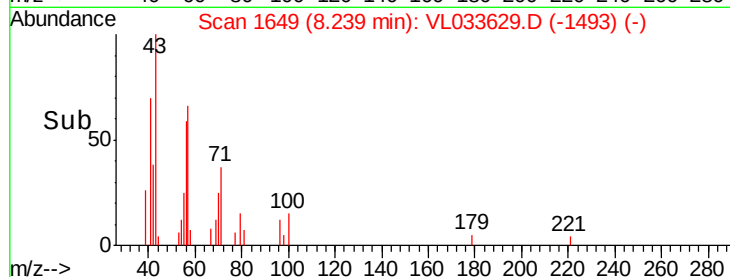
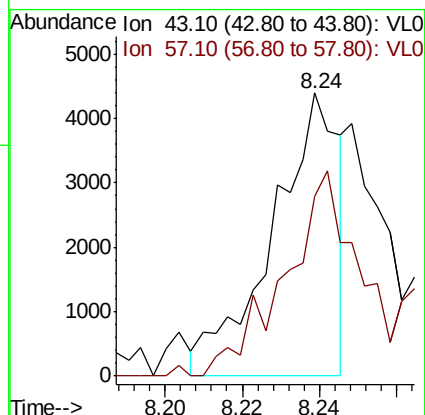
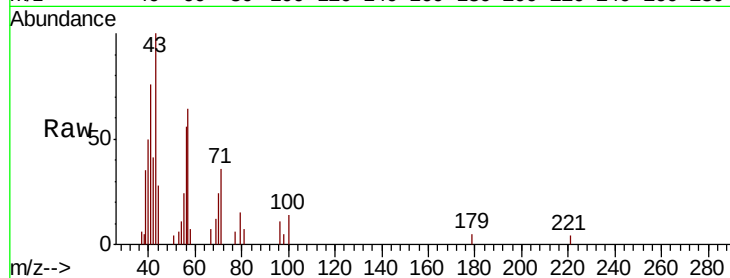
A-2

Tgt Ion: 43 Resp: 5229

Ion Ratio Lower Upper

43 100

57 93.1 40.3 60.5#



#11

Trichlorofluoromethane

Concen: 0.301 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL033629.D

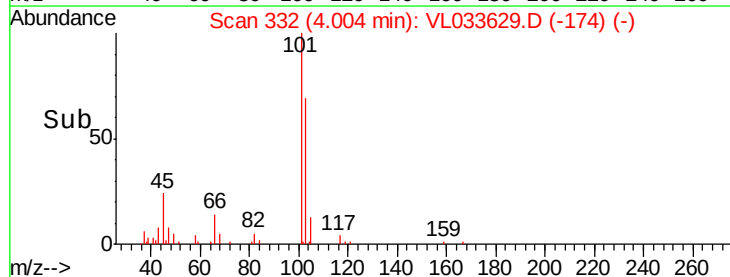
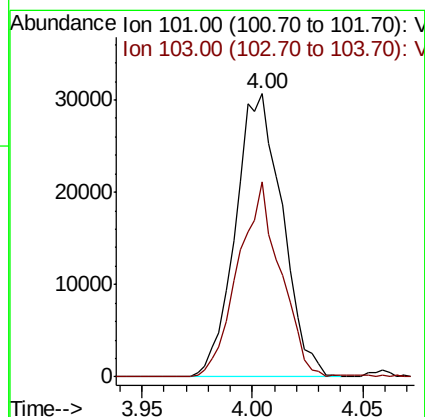
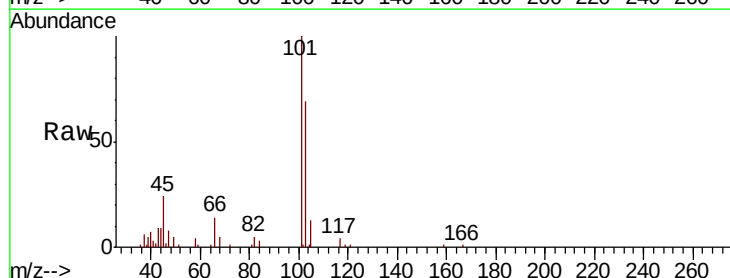
Acq: 2 May 2019 15:43

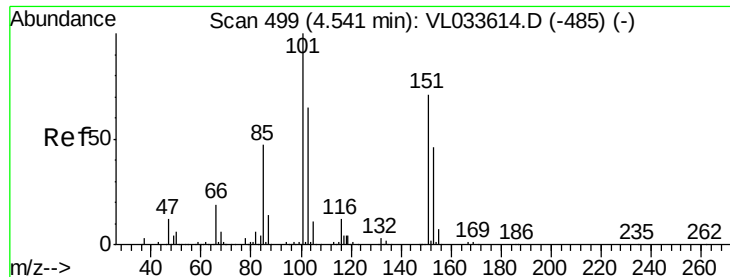
Tgt Ion: 101 Resp: 45307

Ion Ratio Lower Upper

101 100

103 68.7 51.2 76.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.025 ppbv

RT: 4.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampleId :

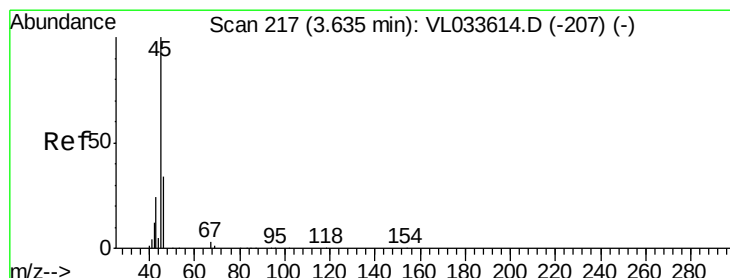
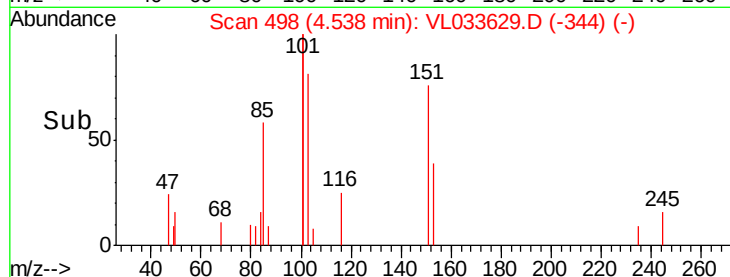
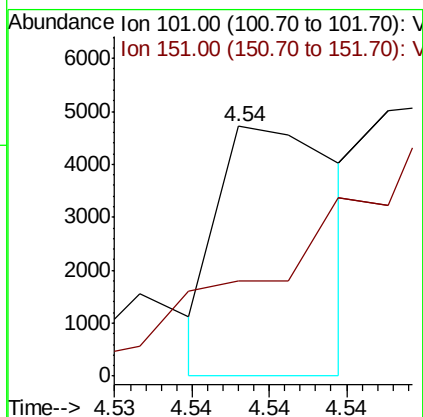
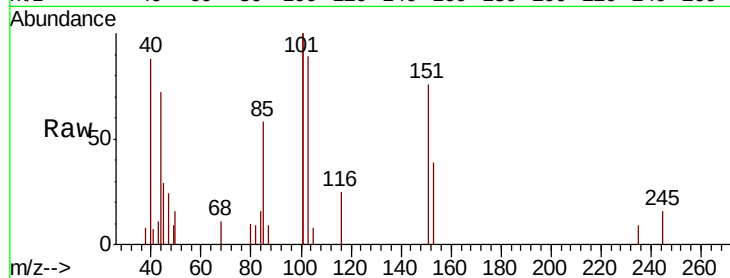
A-2

Tgt Ion: 101 Resp: 2565

Ion Ratio Lower Upper

101 100

151 0.0 59.2 88.8#



#13

Ethanol

Concen: 48.266 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.01 min

Lab File: VL033629.D

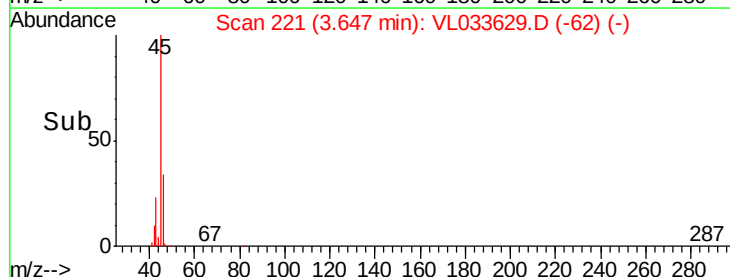
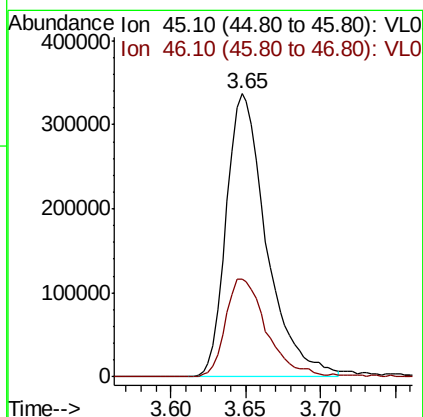
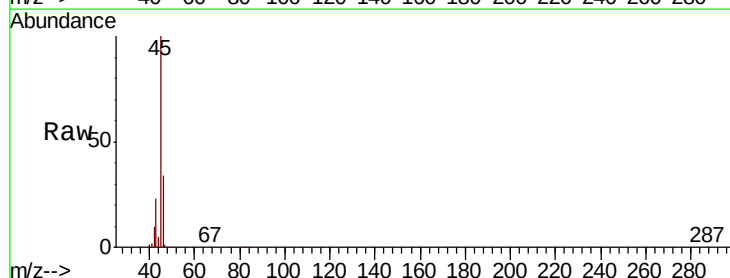
Acq: 2 May 2019 15:43

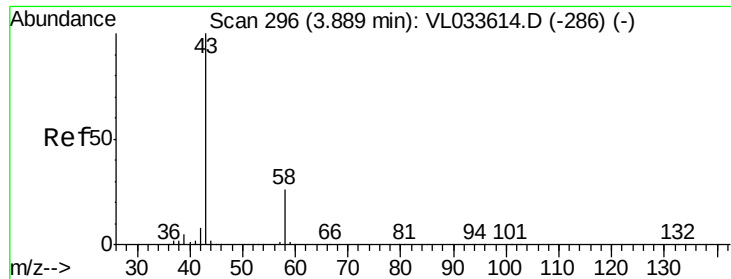
Tgt Ion: 45 Resp: 630188

Ion Ratio Lower Upper

45 100

46 36.1 14.6 58.2





#15

Acetone

Concen: 5.316 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampleId :

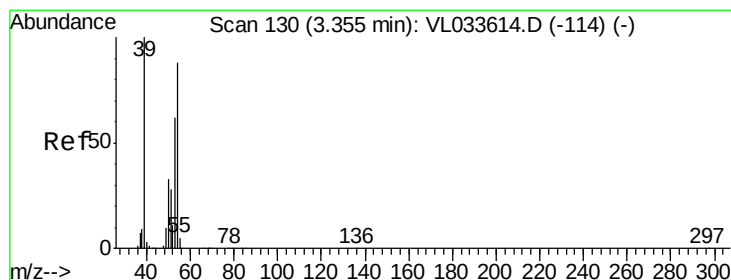
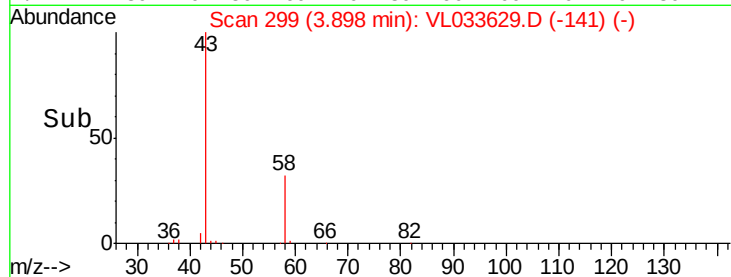
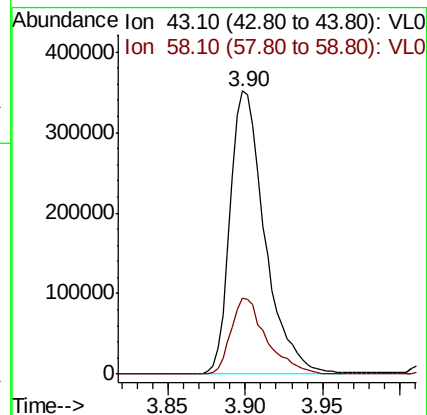
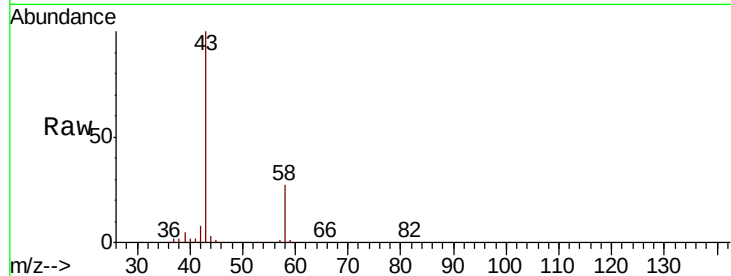
A-2

Tgt Ion: 43 Resp: 544338

Ion Ratio Lower Upper

43 100

58 27.9 21.2 31.8



#16

1,3-Butadiene

Concen: 0.065 ppbv

RT: 3.35 min Scan# 127

Delta R.T. -0.01 min

Lab File: VL033629.D

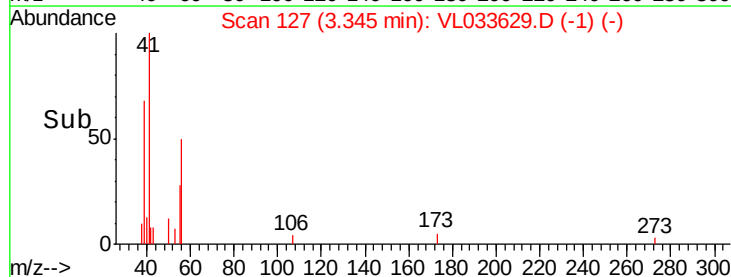
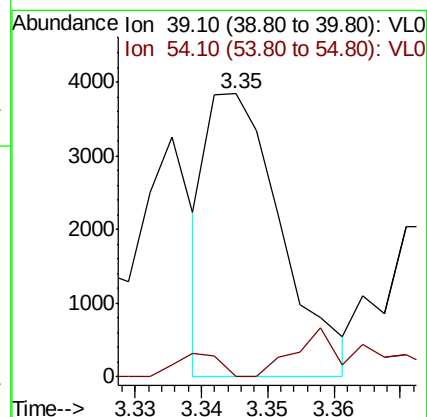
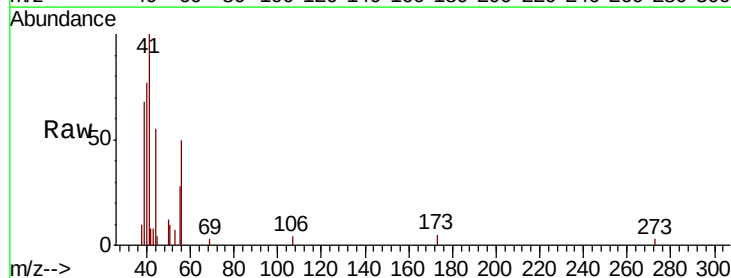
Acq: 2 May 2019 15:43

Tgt Ion: 39 Resp: 3005

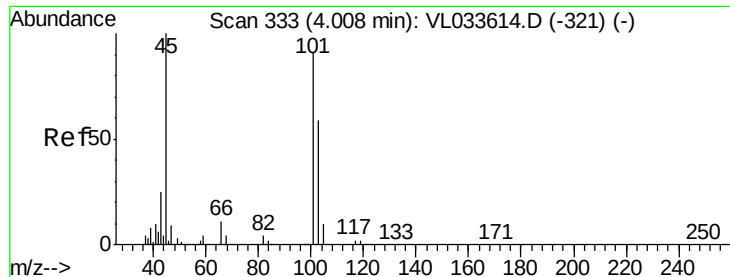
Ion Ratio Lower Upper

39 100

54 21.8 68.4 102.6#







#19

Isopropyl Alcohol

Concen: 2.280 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.02 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampleId :

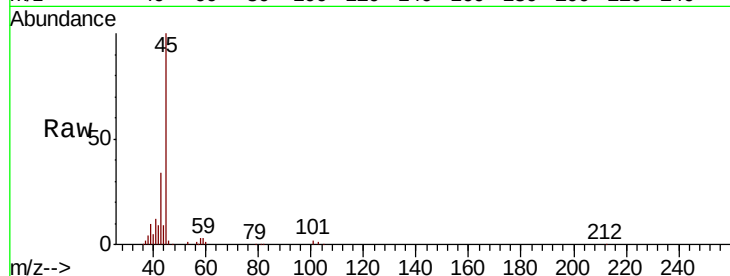
A-2

Tgt Ion: 45 Resp: 160268

Ion Ratio Lower Upper

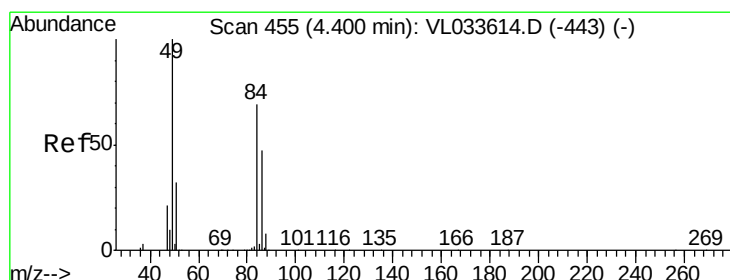
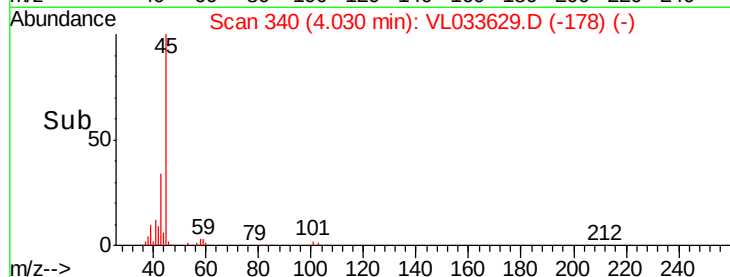
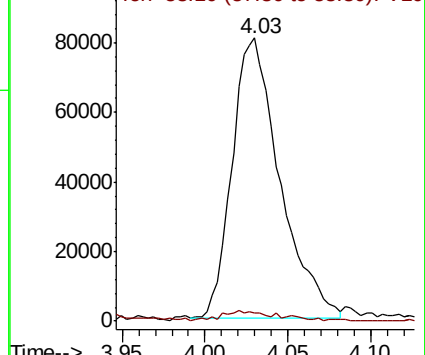
45 100

58 4.8 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.771 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.01 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Tgt Ion: 84 Resp: 70662

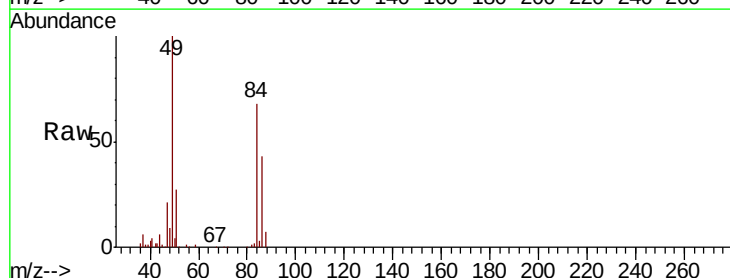
Ion Ratio Lower Upper

84 100

49 147.8 116.2 174.2

51 39.2 37.0 55.6

86 64.1 54.0 81.0

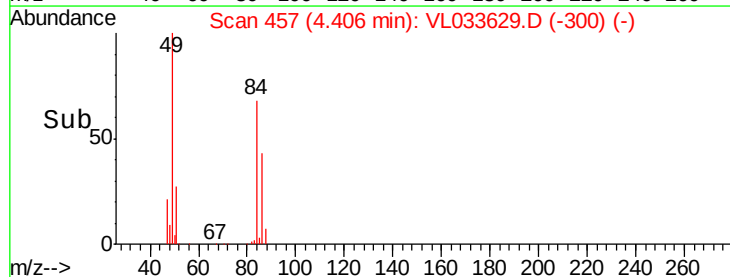
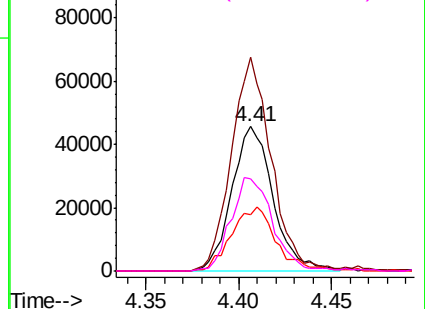


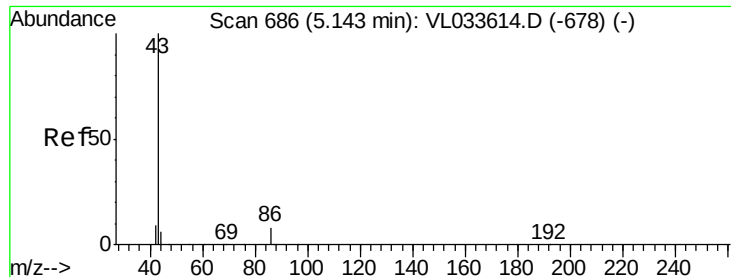
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#23

Vinyl Acetate

Concen: 0.060 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampled :

A-2

Tgt Ion: 43 Resp: 9098

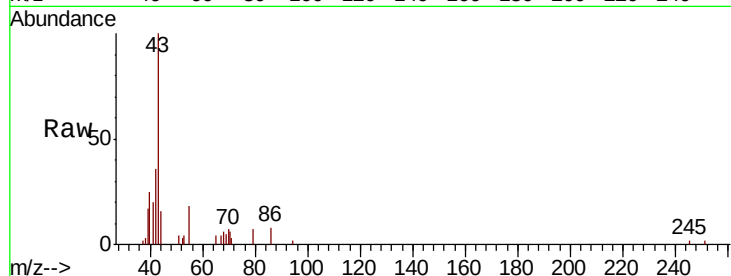
Ion Ratio Lower Upper

43 100

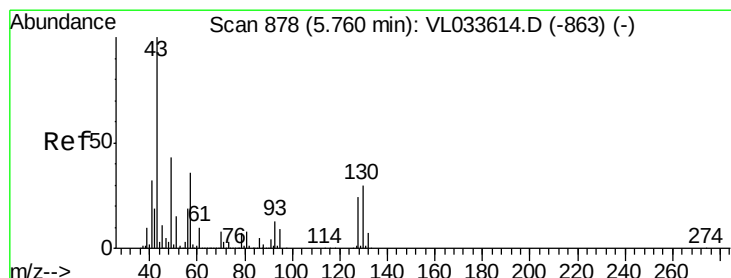
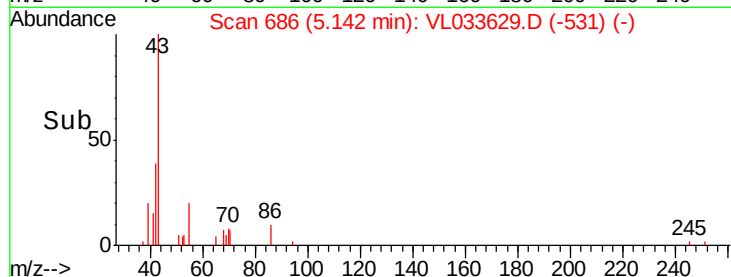
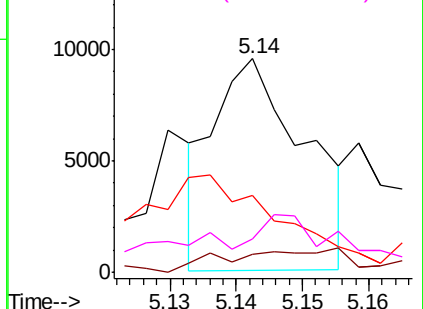
86 10.2 5.8 8.8#

42 59.8 7.8 11.8#

44 8.4 4.6 7.0#



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: 0.559 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.02 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Tgt Ion: 43 Resp: 108672

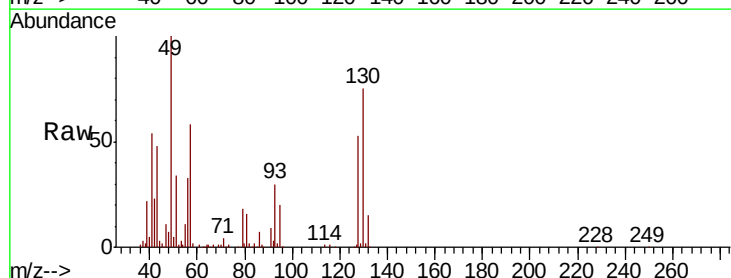
Ion Ratio Lower Upper

43 100

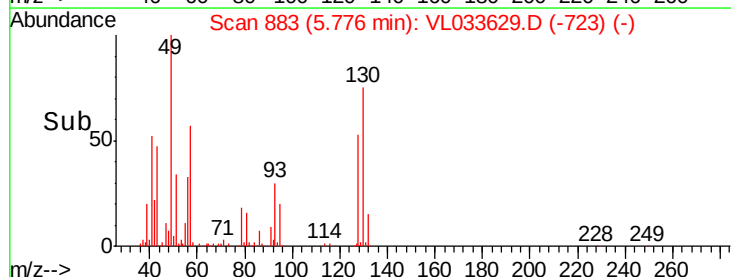
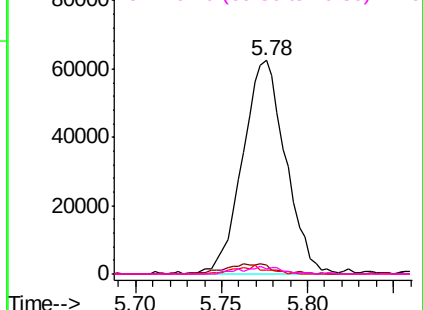
45 5.6 8.1 12.1#

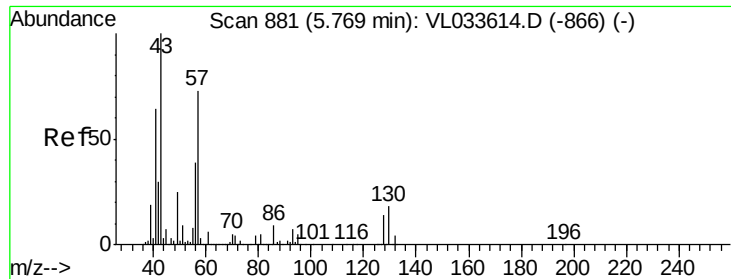
61 3.1 7.5 11.3#

70 3.4 5.8 8.6#



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

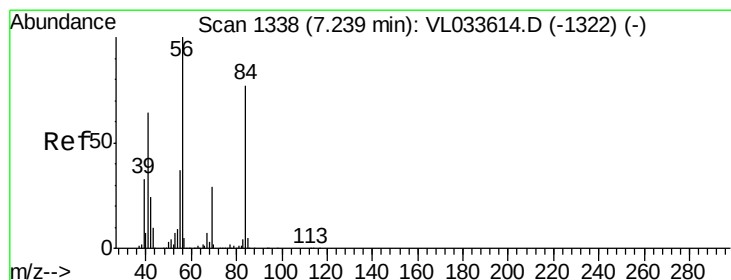
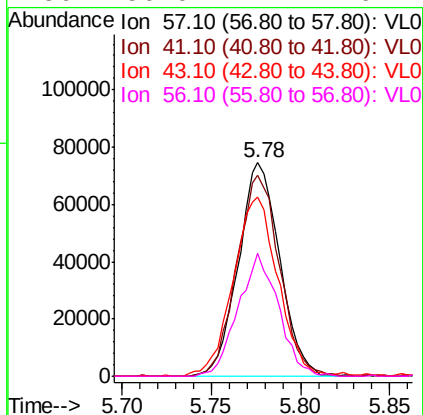
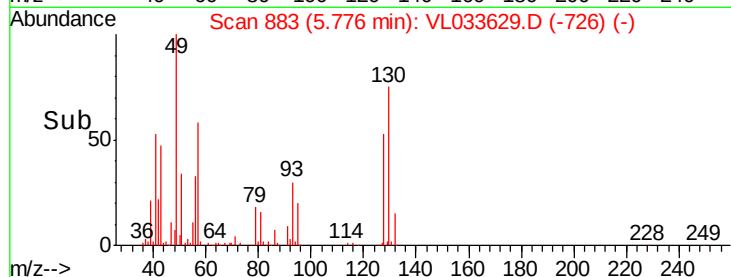
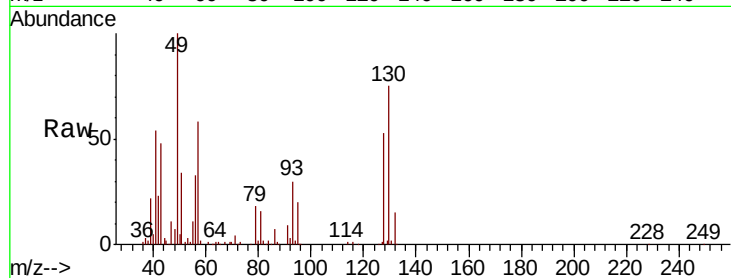




#26  
Hexane  
Concen: 1.473 ppbv  
RT: 5.78 min Scan# 883  
Delta R.T. 0.01 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

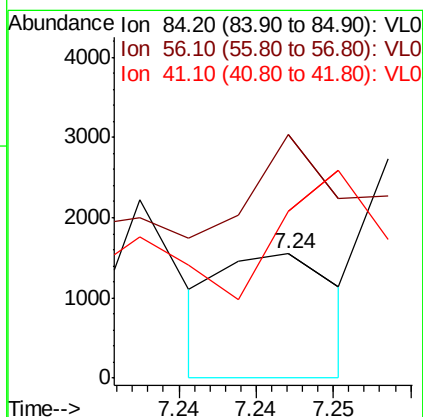
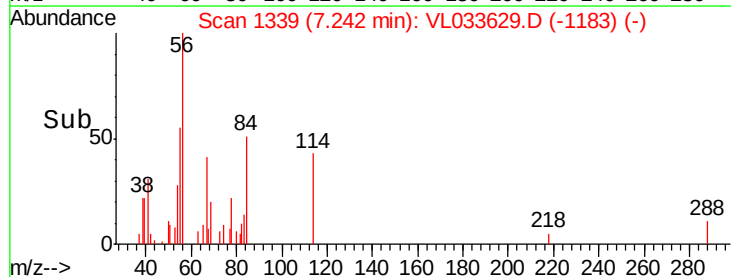
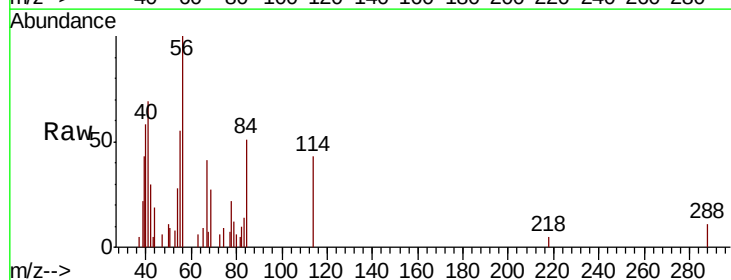
Instrument :  
MSVOA\_L  
ClientSampleId :  
A-2

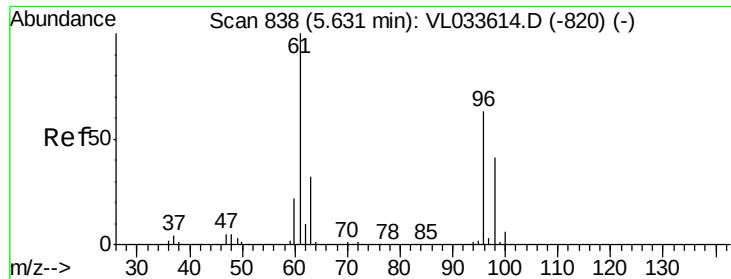
Tgt Ion: 57 Resp: 120536  
Ion Ratio Lower Upper  
57 100  
41 97.6 70.6 106.0  
43 91.2 186.0 279.0#  
56 56.0 42.7 64.1



#30  
Cyclohexane  
Concen: 0.012 ppbv  
RT: 7.24 min Scan# 1339  
Delta R.T. 0.00 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

Tgt Ion: 84 Resp: 802  
Ion Ratio Lower Upper  
84 100  
56 0.0 108.4 162.6#  
41 0.0 67.0 100.4#





#31

cis-1,2-Dichloroethene

Concen: 0.020 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.13 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampleId :

A-2

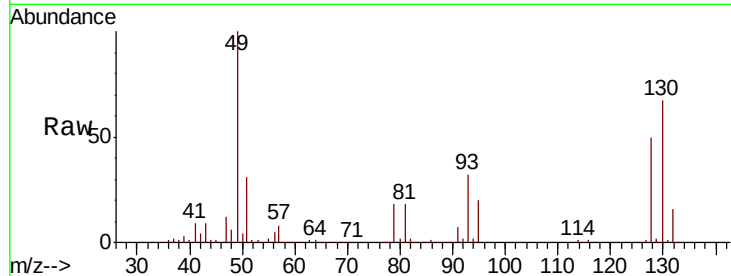
Tgt Ion: 61 Resp: 1643

Ion Ratio Lower Upper

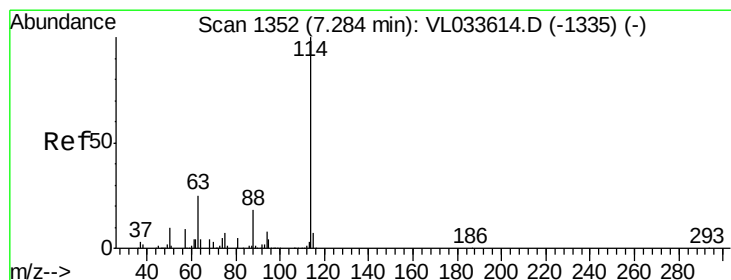
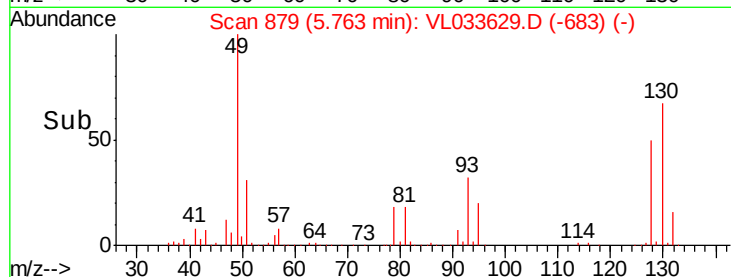
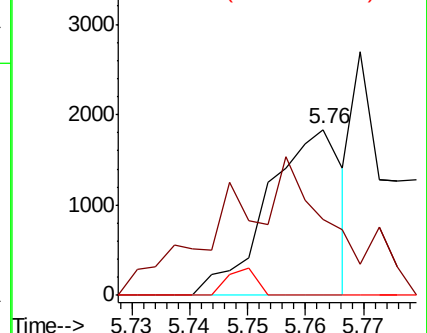
61 100

96 17.5 50.6 76.0#

98 0.0 32.8 49.2#



Abundance Ion 61.10 (60.80 to 61.80): VL0  
Ion 96.00 (95.70 to 96.70): VL0  
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

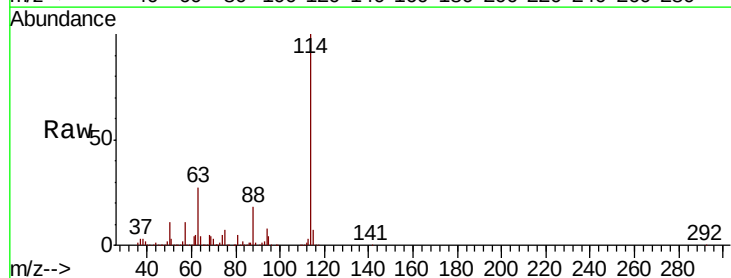
Tgt Ion: 114 Resp: 2118538

Ion Ratio Lower Upper

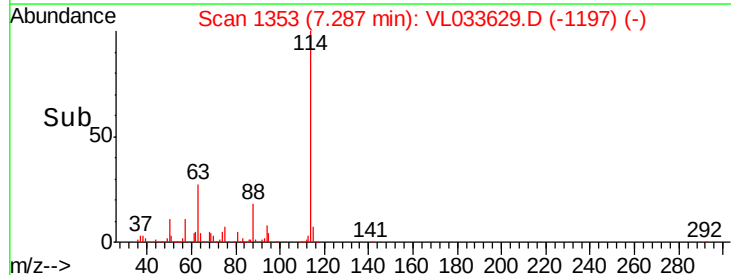
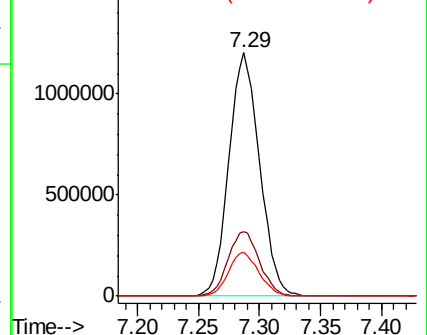
114 100

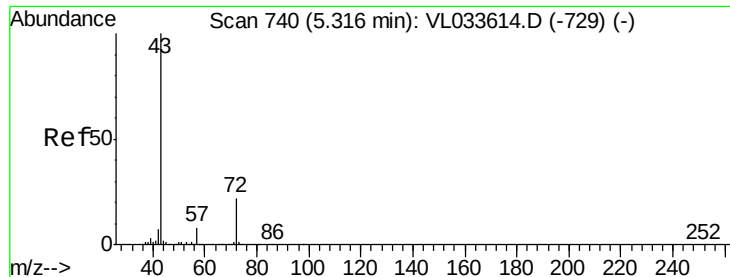
63 27.2 21.1 31.7

88 17.9 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V  
Ion 63.10 (62.80 to 63.80): VL0  
Ion 88.10 (87.80 to 88.80): VL0

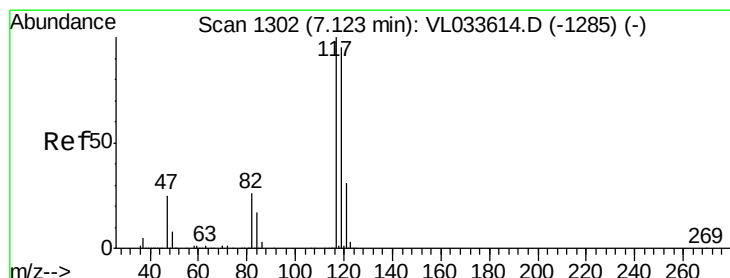
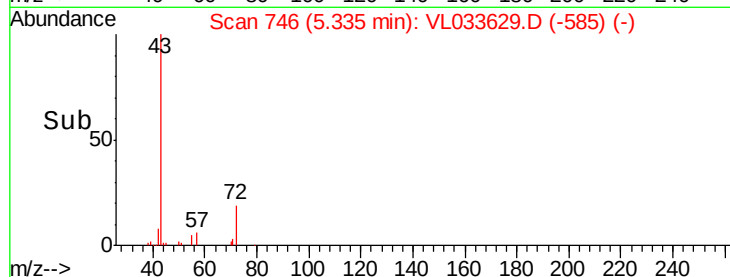
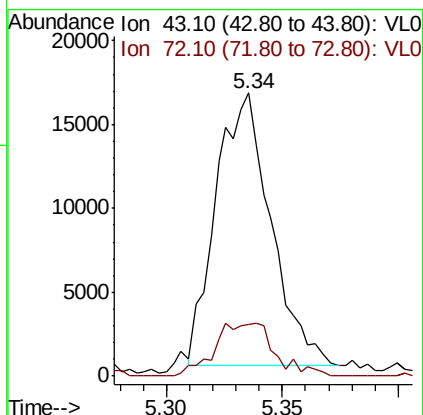
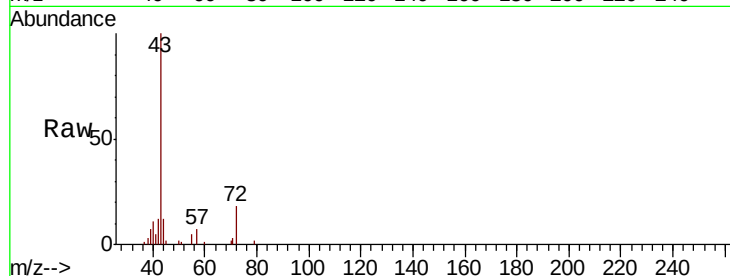




#34  
2-Butanone  
Concen: 0.205 ppbv  
RT: 5.34 min Scan# 746  
Delta R.T. 0.02 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

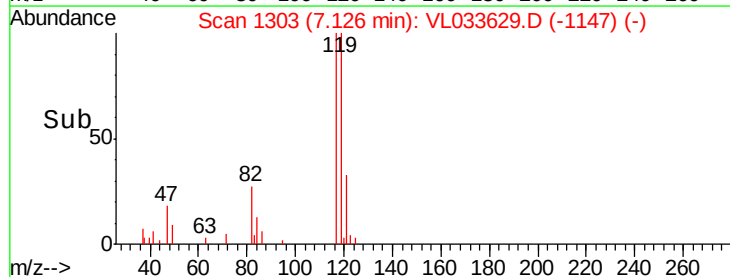
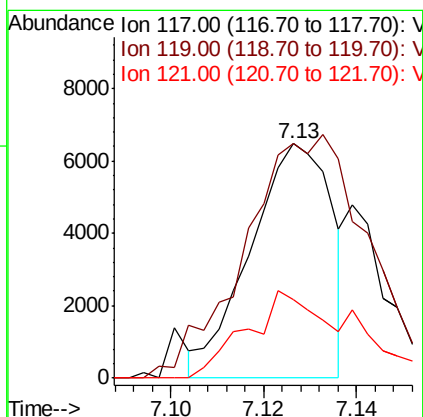
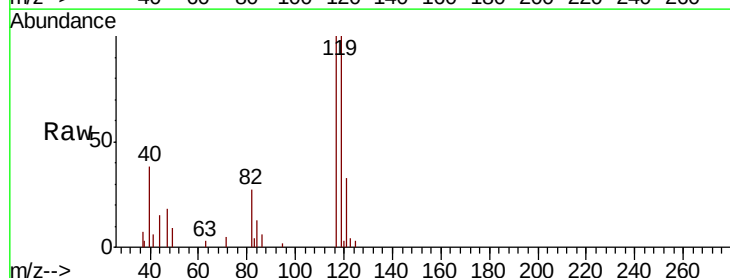
Instrument :  
MSVOA\_L  
ClientSampleId :  
A-2

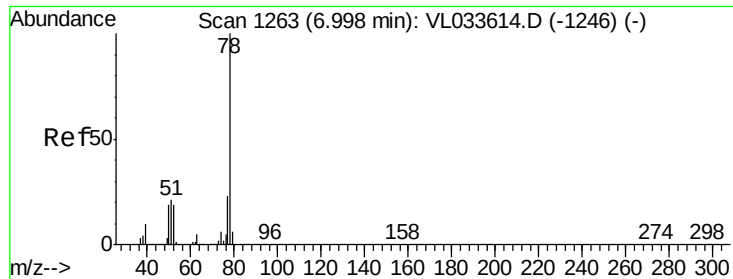
Tgt Ion: 43 Resp: 26640  
Ion Ratio Lower Upper  
43 100  
72 21.4 17.8 26.8



#35  
Carbon Tetrachloride  
Concen: 0.047 ppbv  
RT: 7.13 min Scan# 1303  
Delta R.T. 0.00 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

Tgt Ion: 117 Resp: 7901  
Ion Ratio Lower Upper  
117 100  
119 91.1 76.2 114.4  
121 37.6 24.9 37.3#





#36

Benzene

Concen: 0.099 ppbv

RT: 6.99 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampleId :

A-2

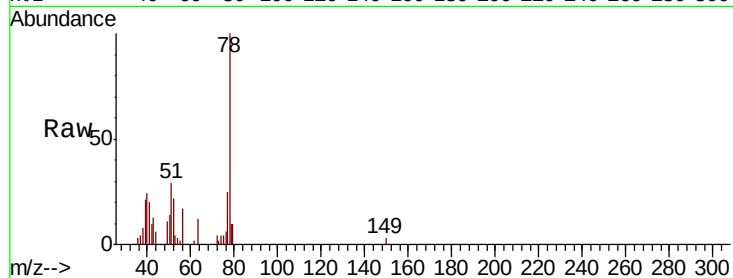
Tgt Ion: 78 Resp: 17788

Ion Ratio Lower Upper

78 100

77 23.1 18.1 27.1

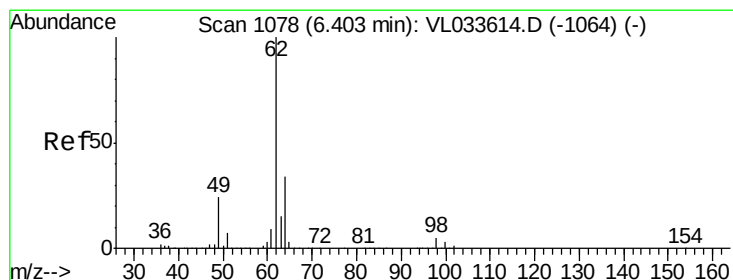
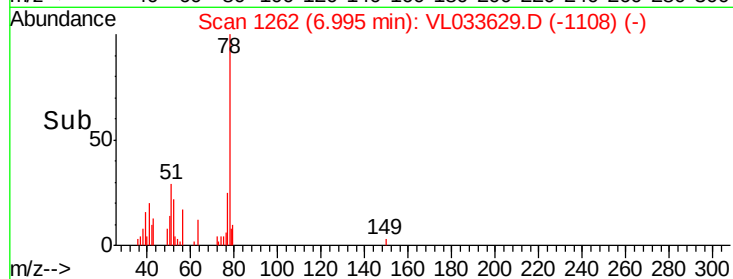
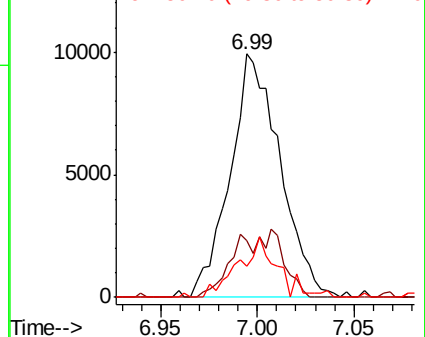
50 12.7 15.1 22.7#



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.016 ppbv

RT: 6.40 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VL033629.D

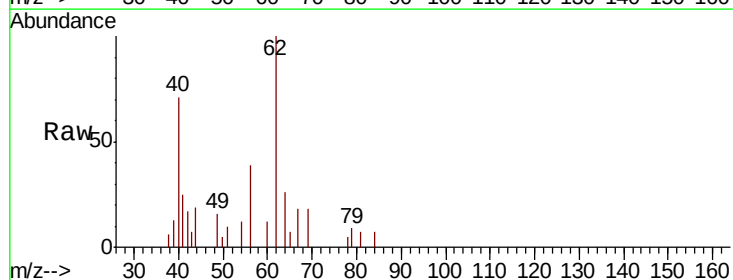
Acq: 2 May 2019 15:43

Tgt Ion: 62 Resp: 1947

Ion Ratio Lower Upper

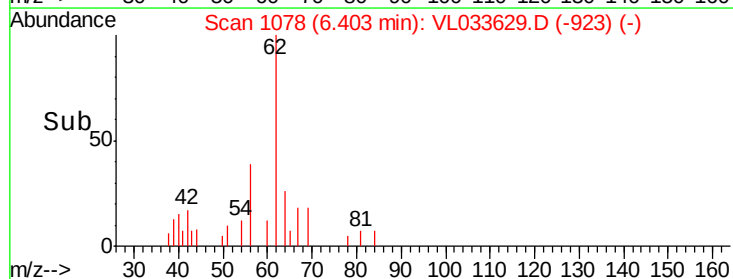
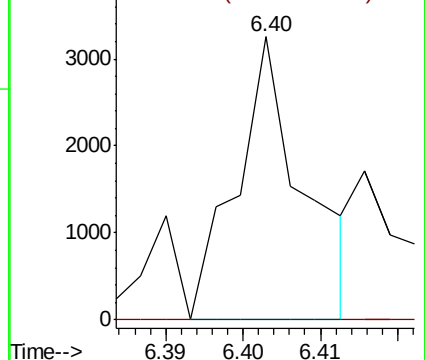
62 100

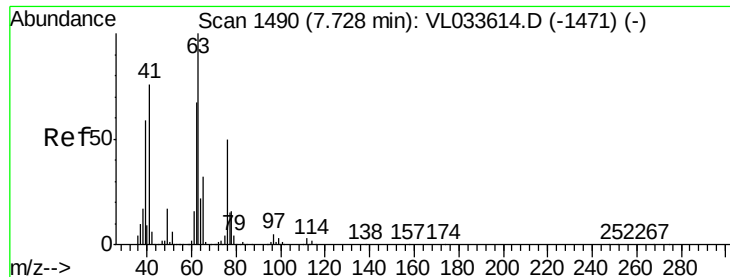
98 0.0 4.4 6.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 8.439 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.44 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampleId :

A-2

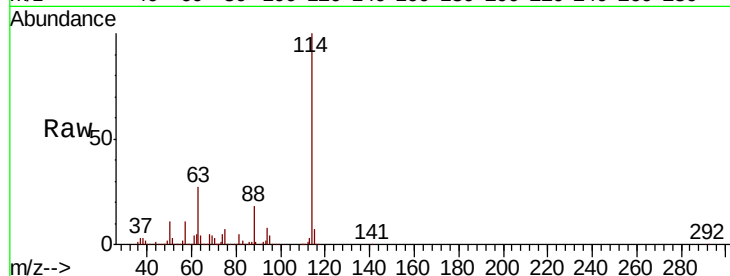
Tgt Ion: 63 Resp: 574429

Ion Ratio Lower Upper

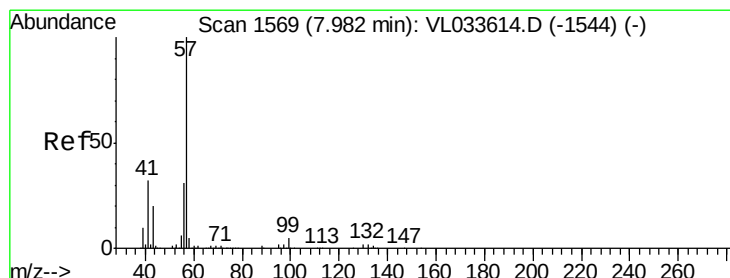
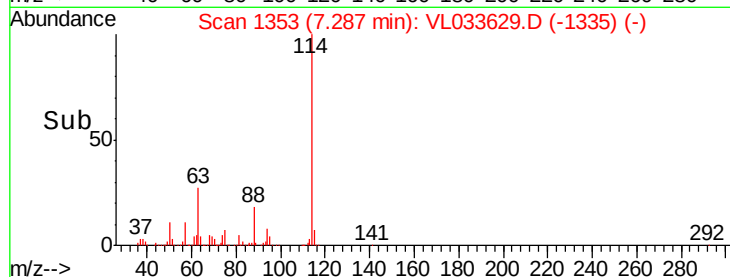
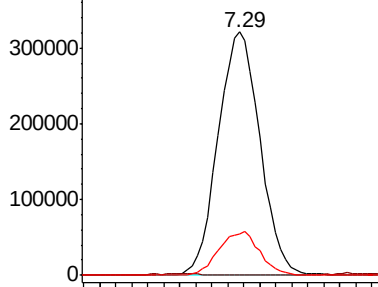
63 100

41 0.0 60.9 91.3#

62 17.1 53.3 79.9#



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: 0.014 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

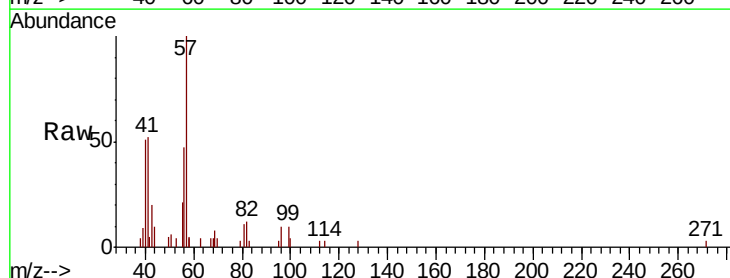
Tgt Ion: 57 Resp: 4420

Ion Ratio Lower Upper

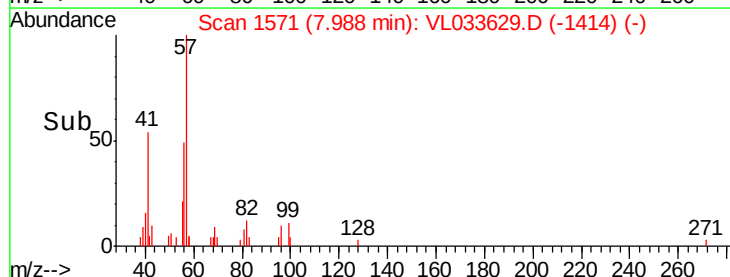
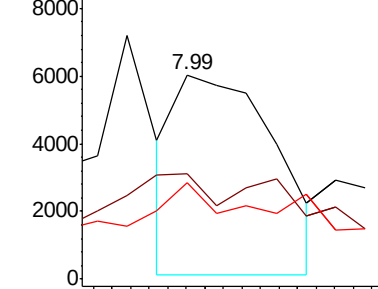
57 100

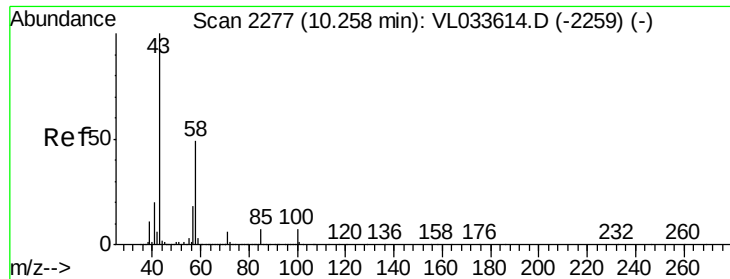
41 184.7 25.4 38.2#

56 170.0 24.6 37.0#



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: 0.083 ppbv

RT: 10.05 min Scan# 2212

Delta R.T. -0.21 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

Instrument :

MSVOA\_L

ClientSampleId :

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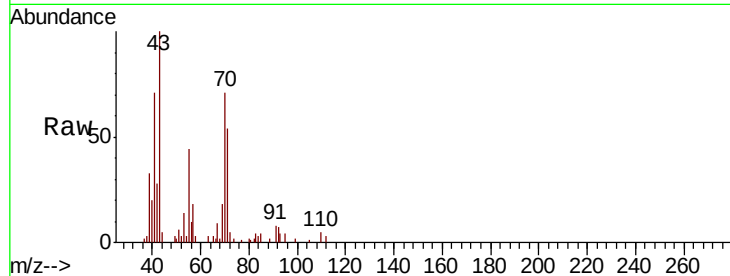
Tgt Ion: 43 Resp: 14925

Ion Ratio Lower Upper

43 100

58 1.5 38.5 57.7#

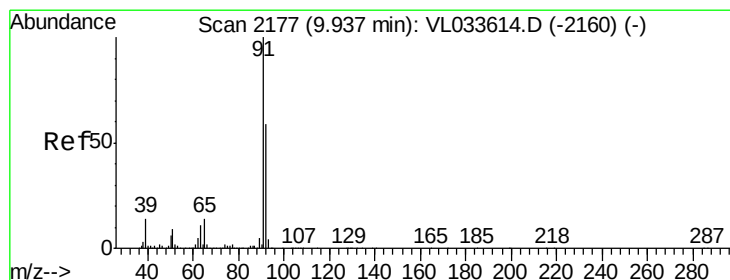
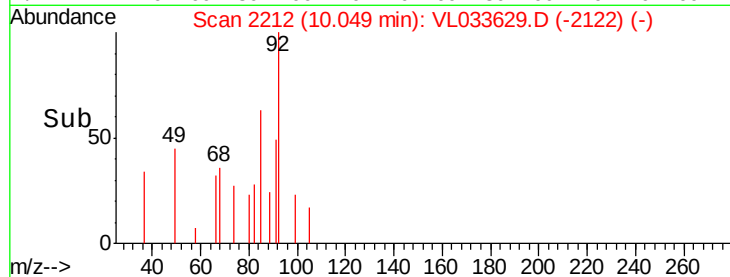
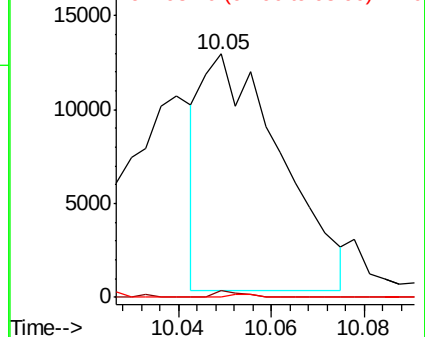
98 0.4 0.3 0.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#53

Toluene

Concen: 6.519 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. 0.00 min

Lab File: VL033629.D

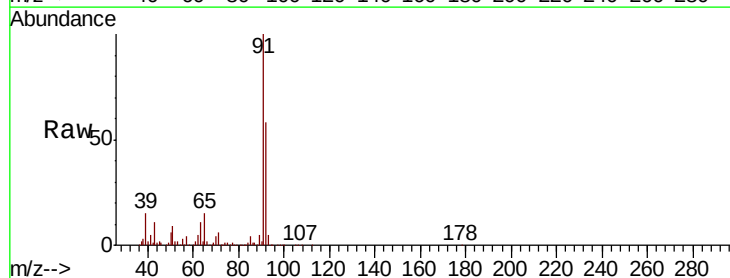
Acq: 2 May 2019 15:43

Tgt Ion: 91 Resp: 1484966

Ion Ratio Lower Upper

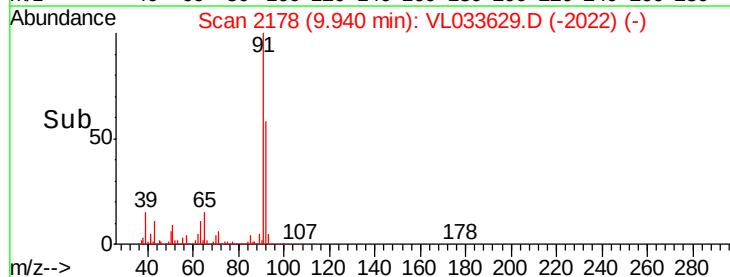
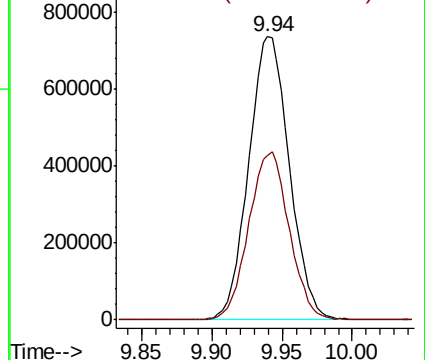
91 100

92 59.2 47.8 71.6

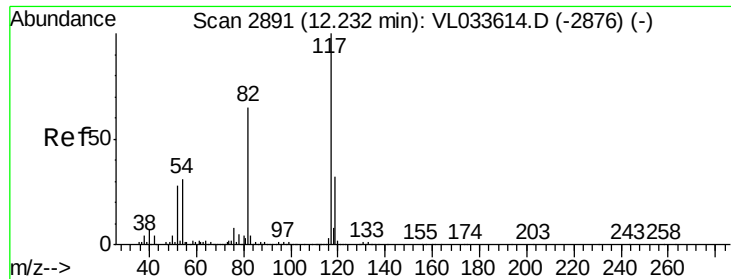


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



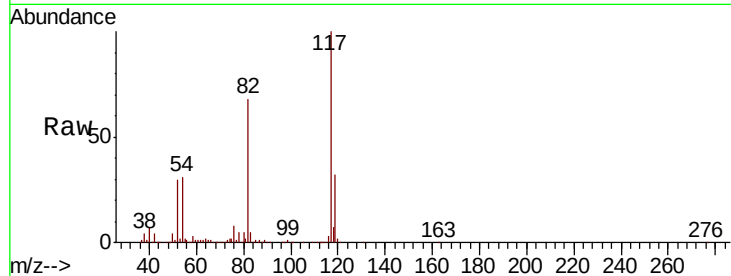




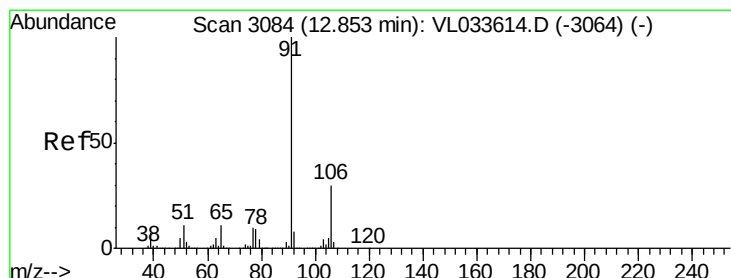
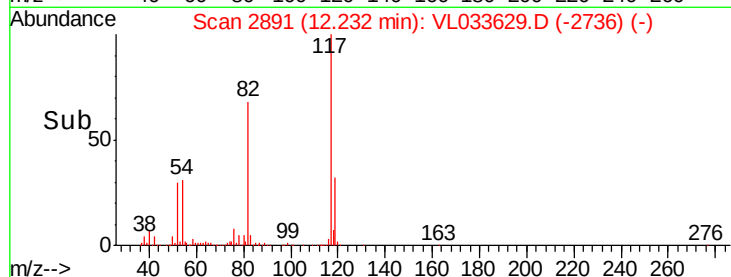
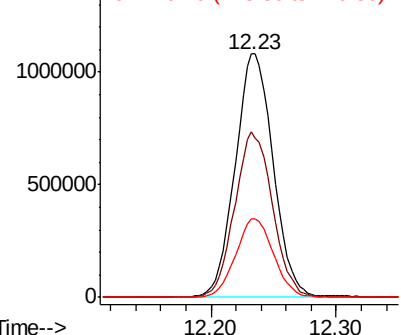
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.23 min Scan# 2891  
Delta R.T. -0.00 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

Instrument :  
MSVOA\_L  
ClientSampled :  
A-2

Tgt Ion: 117 Resp: 2280220  
Ion Ratio Lower Upper  
117 100  
82 67.7 52.6 78.8  
119 32.3 28.3 42.5

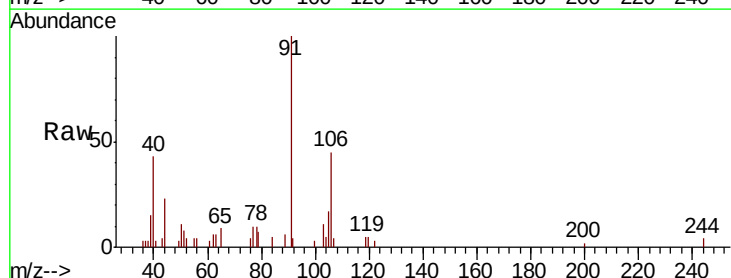


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V

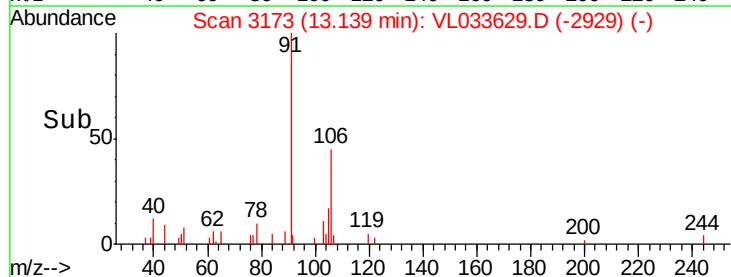
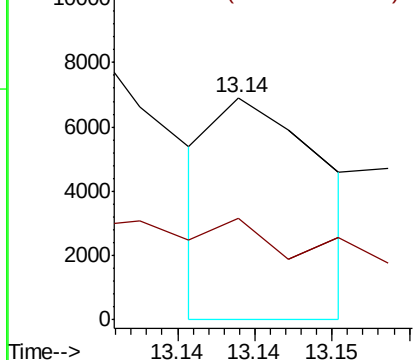


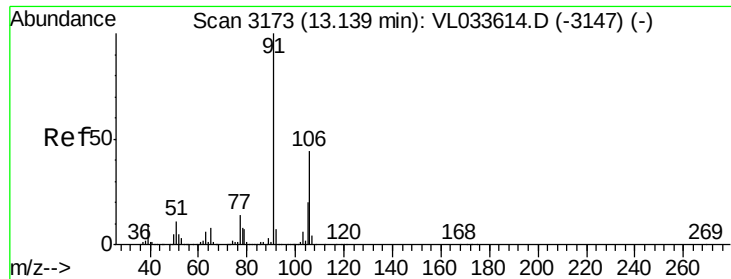
#58  
Ethyl Benzene  
Concen: 0.013 ppbv  
RT: 13.14 min Scan# 3173  
Delta R.T. 0.29 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

Tgt Ion: 91 Resp: 3364  
Ion Ratio Lower Upper  
91 100  
106 25.2 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0  
Ion 106.10 (105.80 to 106.80): V

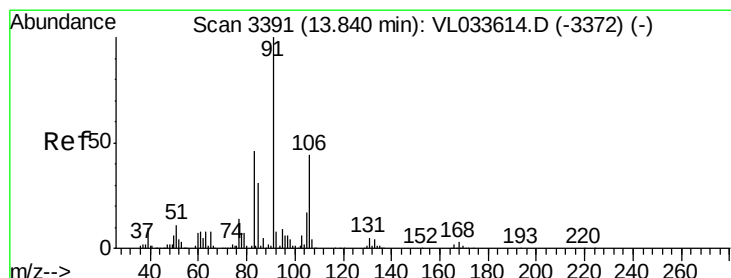
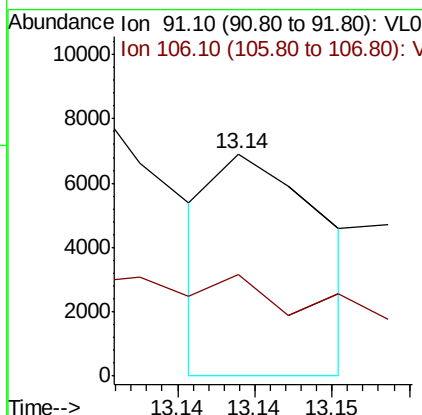
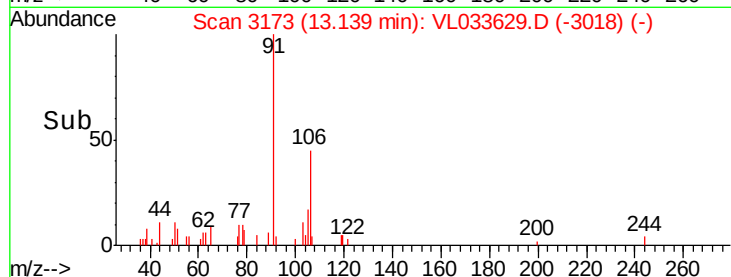
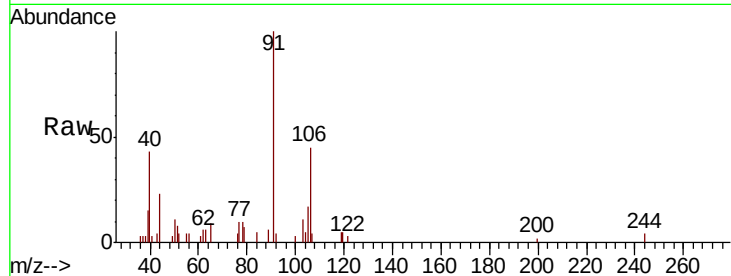




#59  
m/p-Xylene  
Concen: 0.015 ppbv  
RT: 13.14 min Scan# 3173  
Delta R.T. -0.00 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

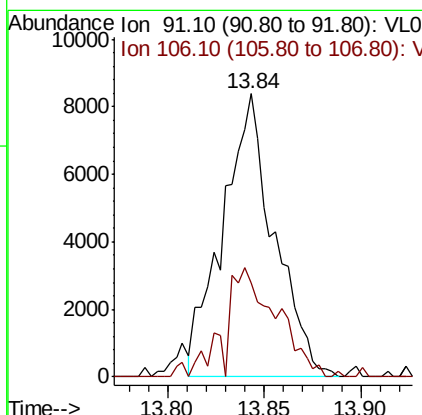
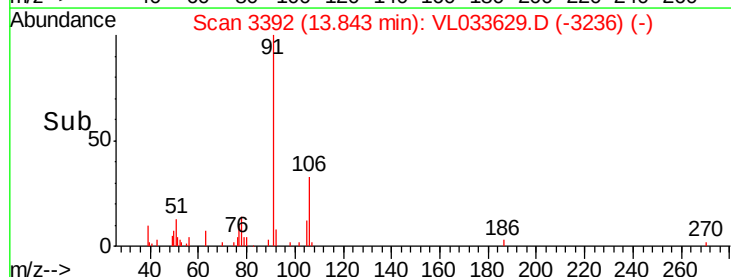
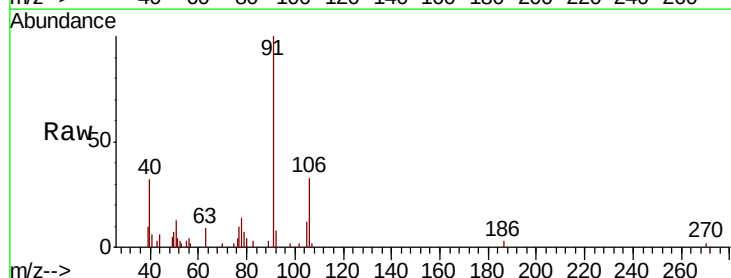
Instrument :  
MSVOA\_L  
ClientSampleId :  
A-2

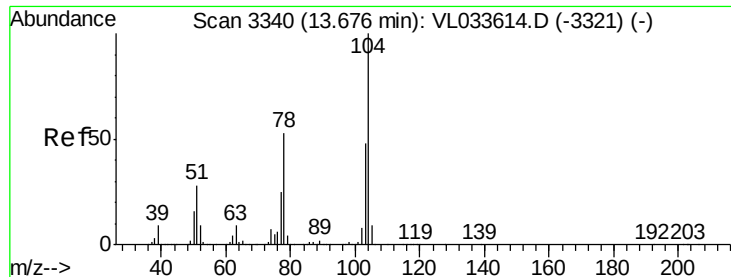
Tgt Ion: 91 Resp: 3364  
Ion Ratio Lower Upper  
91 100  
106 0.0 0.0 0.0



#60  
o-Xylene  
Concen: 0.068 ppbv  
RT: 13.84 min Scan# 3392  
Delta R.T. 0.00 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

Tgt Ion: 91 Resp: 15523  
Ion Ratio Lower Upper  
91 100  
106 39.3 21.8 65.4

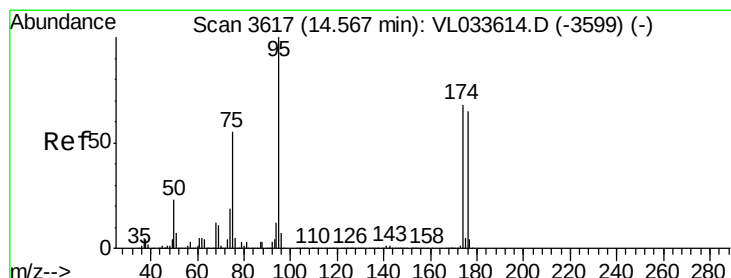
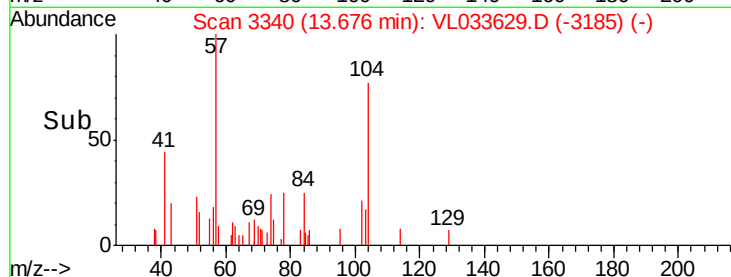
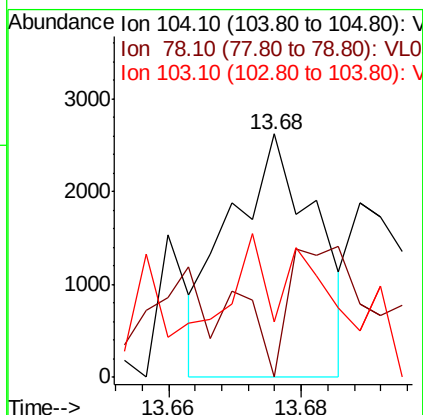
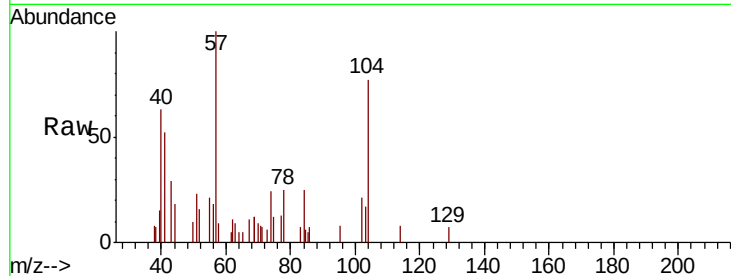




#61  
Styrene  
Concen: 0.015 ppbv  
RT: 13.68 min Scan# 3340  
Delta R.T. -0.00 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

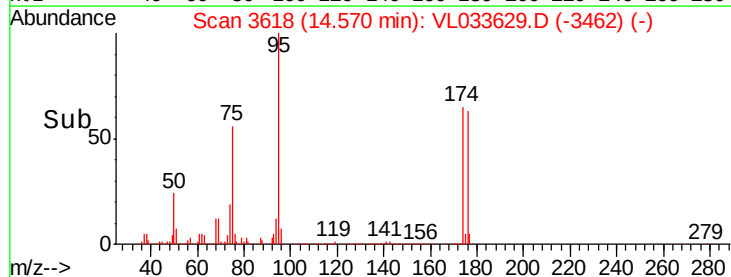
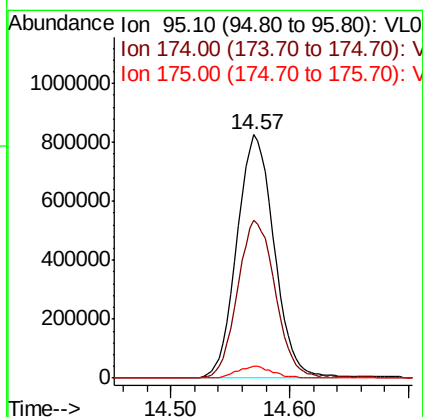
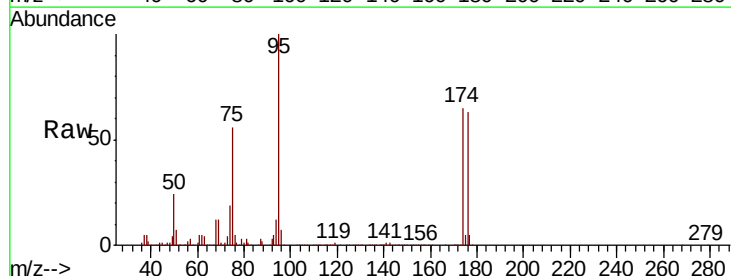
Instrument :  
MSVOA\_L  
ClientSampleId :  
A-2

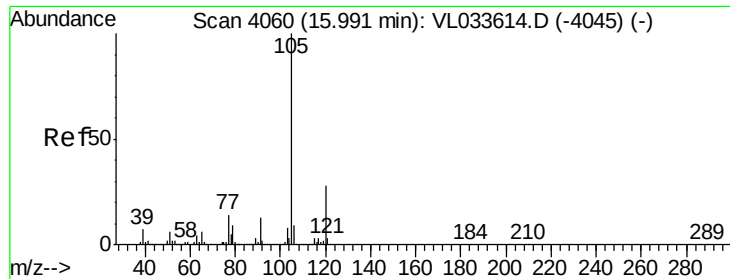
Tgt Ion: 104 Resp: 2376  
Ion Ratio Lower Upper  
104 100  
78 0.0 42.7 64.1#  
103 106.9 37.8 56.6#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.327 ppbv  
RT: 14.57 min Scan# 3618  
Delta R.T. 0.00 min  
Lab File: VL033629.D  
Acq: 2 May 2019 15:43

Tgt Ion: 95 Resp: 1792787  
Ion Ratio Lower Upper  
95 100  
174 66.5 53.9 80.9  
175 4.8 4.0 6.0





#72

4-Ethyltoluene

Concen: 0.019 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.00 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

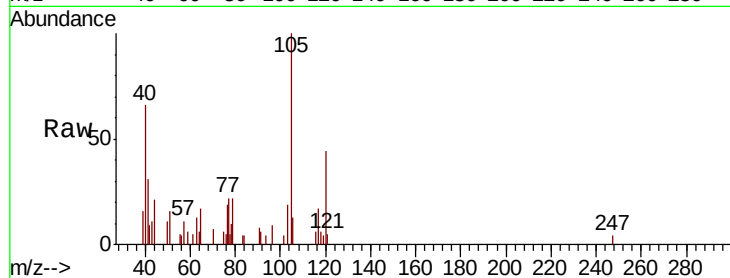
Instrument :

MSVOA\_L

ClientSampleId :

A-2

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 5064  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 58.4  | 23.2  | 34.8# |
| 91       | 0.0   | 10.3  | 15.5# |
| 77       | 30.0  | 11.0  | 16.6# |

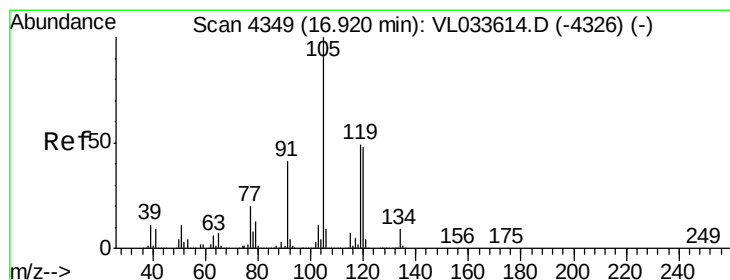
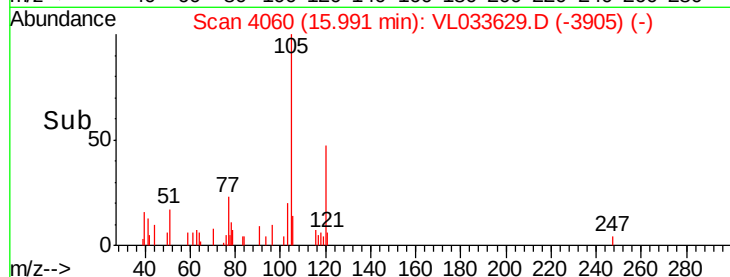
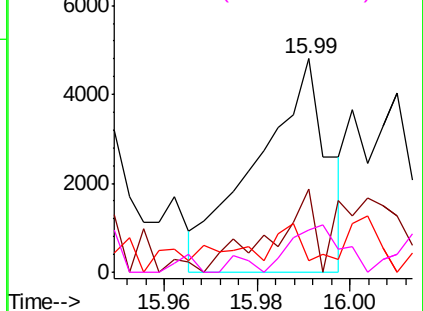


Abundance Ion 105.10 (104.80 to 105.80): V

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



#74

1,2,4-Trimethylbenzene

Concen: 0.026 ppbv

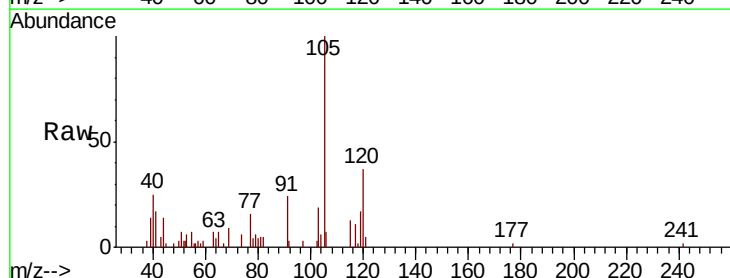
RT: 16.92 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL033629.D

Acq: 2 May 2019 15:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 7467  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 46.0  | 38.4  | 57.6  |
| 91       | 33.8  | 33.0  | 49.4  |
| 77       | 0.0   | 16.2  | 24.2# |



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

