

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN052419\  
 Data File : VN055788.D  
 Acq On : 24 May 2019 11:57  
 Operator : JC/SP  
 Sample : K2977-03 50X  
 Misc : 5.53g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-W-2R(14-17)

Quant Time: May 24 13:55:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 403639   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 577972   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 532101   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 225529   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 188955   | 45.33 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.66% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 173481   | 47.48 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.96% |          |
| 50) Toluene-d8              | 10.09 | 98   | 687247   | 49.03 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.06% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 237937   | 49.51 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.02% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.74  | 59   | 11828    | 14.851    | ug/l # | 74     |
| 13) Acrolein                   | 3.60  | 56   | 427      | 0.749     | ug/l # | 74     |
| 16) Acetone                    | 3.82  | 43   | 1933     | 1.055     | ug/l   | 89     |
| 18) Methyl Acetate             | 4.33  | 43   | 2246     | Below Cal | #      | 62     |
| 25) 2-Butanone                 | 6.85  | 43   | 640      | 0.250     | ug/l # | 47     |
| 31) Cyclohexane                | 7.67  | 56   | 6413     | 1.025     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 23513    | 4.668     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 32683    | 6.229     | ug/l # | 15     |
| 39) Methylcyclohexane          | 9.07  | 83   | 1878     | 0.301     | ug/l   | 85     |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 7245     | 1.894     | ug/l # | 19     |
| 56) Ethyl methacrylate         | 10.43 | 69   | 2748     | 0.465     | ug/l # | 1      |
| 59) 2-Hexanone                 | 10.72 | 43   | 42657    | 12.448    | ug/l # | 27     |
| 67) Ethyl Benzene              | 11.51 | 91   | 4240     | 0.222     | ug/l   | 96     |
| 68) m/p-Xylenes                | 11.62 | 106  | 1762     | 0.244     | ug/l # | 8      |
| 71) Bromoform                  | 12.40 | 173  | 1501     | 0.414     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105  | 61761    | 1.249     | ug/l   | 100    |
| 74) N-amyl acetate             | 12.04 | 43   | 183107   | 29.027    | ug/l # | 62     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.47 | 83   | 13947    | Below Cal | #      | 25     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 107995   | 26.318    | ug/l # | 100    |
| 78) n-propylbenzene            | 12.59 | 91   | 225373   | 11.498    | ug/l   | 99     |
| 79) 2-Chlorotoluene            | 12.73 | 91   | 17812    | Below Cal | #      | 64     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 186229   | 11.837    | ug/l   | 97     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 107995   | 64.429    | ug/l # | 17     |
| 82) 4-Chlorotoluene            | 12.73 | 91   | 17812    | 1.546     | ug/l # | 67     |
| 83) tert-Butylbenzene          | 12.99 | 119  | 23006    | Below Cal |        | 96     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1085613  | 82.025    | ug/l   | 99     |
| 85) sec-Butylbenzene           | 13.17 | 105  | 165420   | 8.957     | ug/l # | 77     |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 167045   | 10.666    | ug/l   | 99     |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1487     | 0.205     | ug/l # | 1      |
| 89) n-Butylbenzene             | 13.61 | 91   | 130449   | 10.870    | ug/l # | 79     |
| 90) Hexachloroethane           | 13.89 | 117  | 25256    | 8.472     | ug/l # | 1      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 1443     | 1.444     | ug/l # | 1      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 2774     | 4.225     | ug/l # | 1      |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 768      | Below Cal |        | 90     |

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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-W-2R(14-17)

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Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 2019  
Response via : Initial Calibration

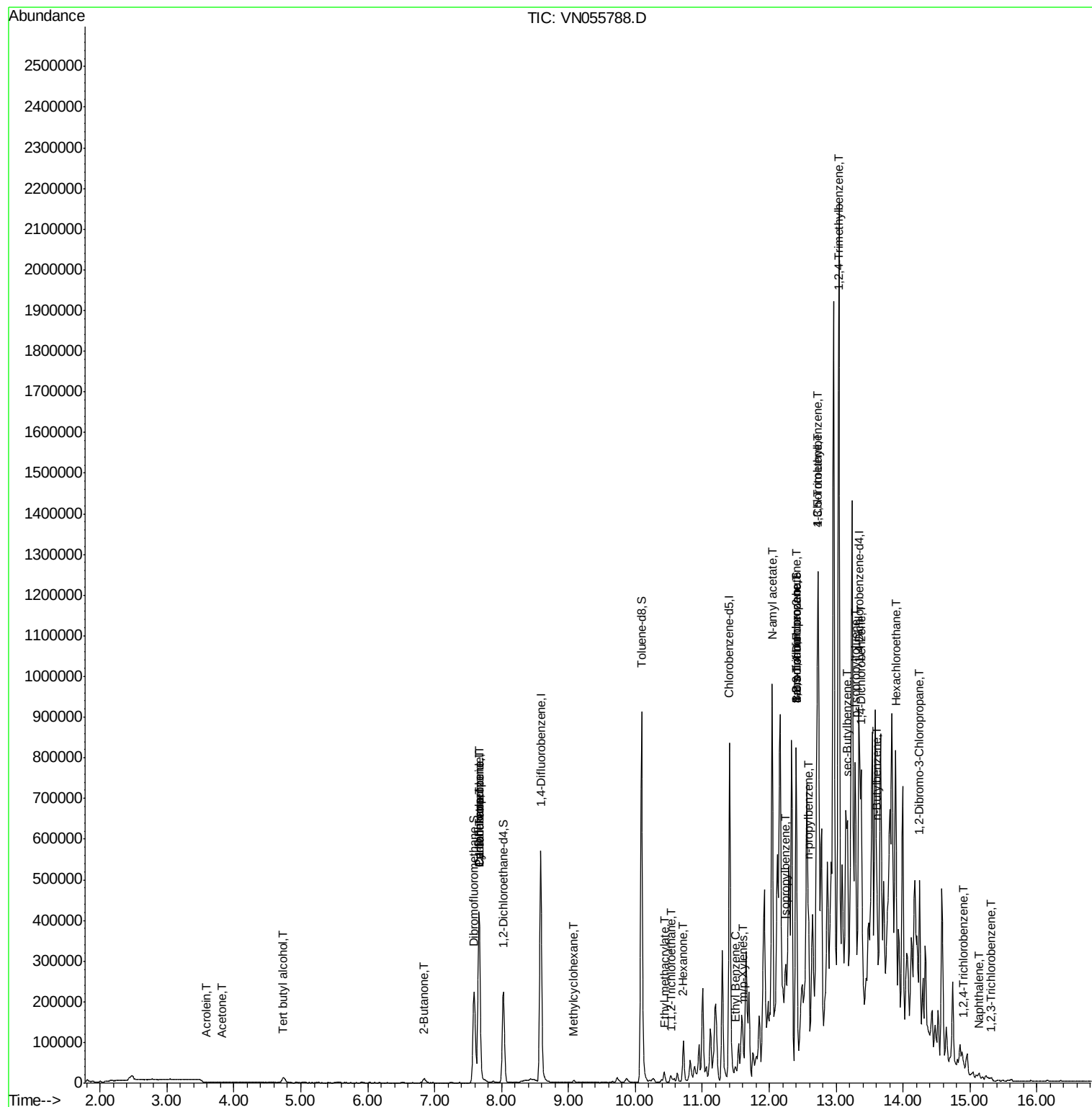
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 95) Naphthalene            | 15.13 | 128  | 12874    | 1.234 | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 3215     | 0.800 | ug/l # | 91       |

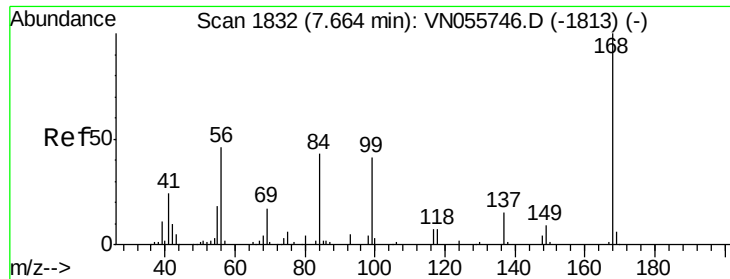
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN052419\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

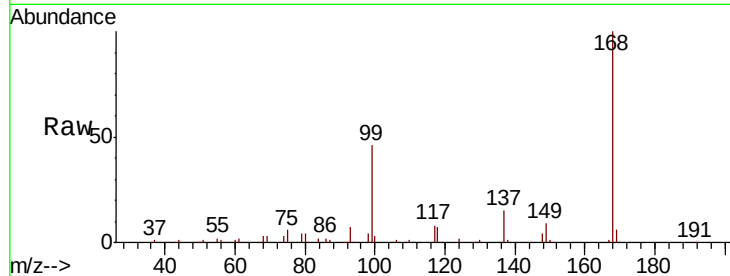
EP1-W-2R(14-17)

Tgt Ion:168 Resp: 403639

Ion Ratio Lower Upper

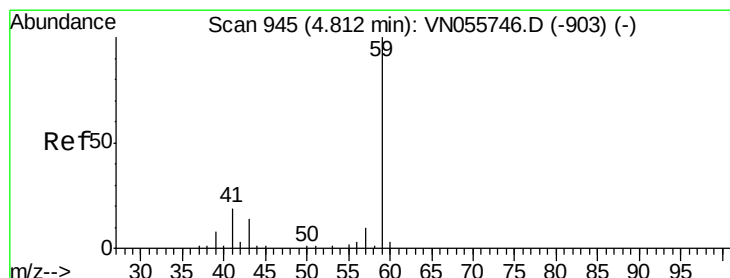
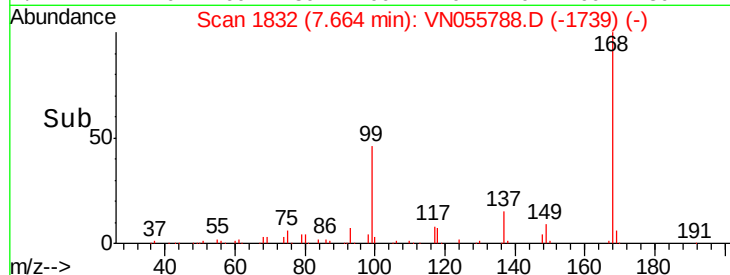
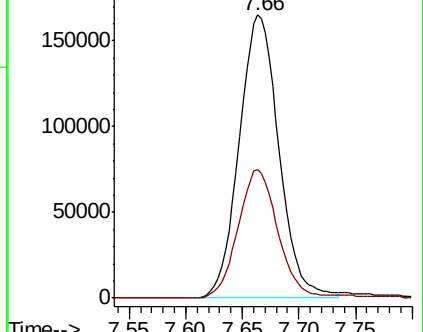
168 100

99 45.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 14.851 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN055788.D

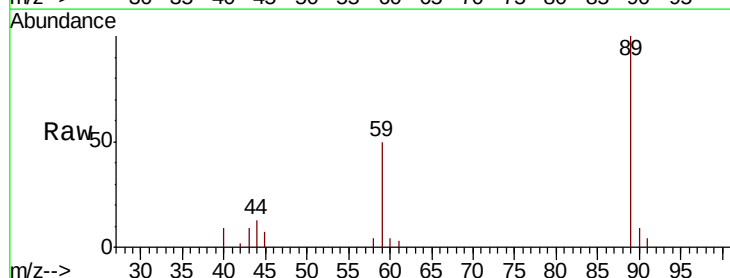
Acq: 24 May 2019 11:57

Tgt Ion: 59 Resp: 11828

Ion Ratio Lower Upper

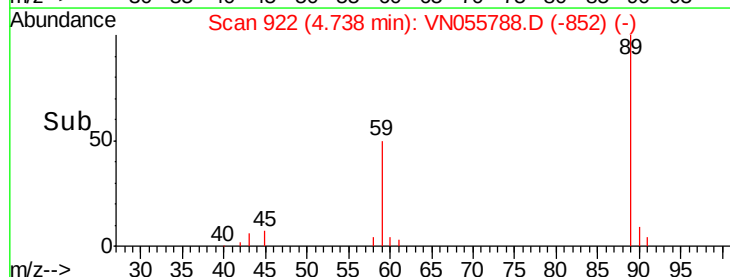
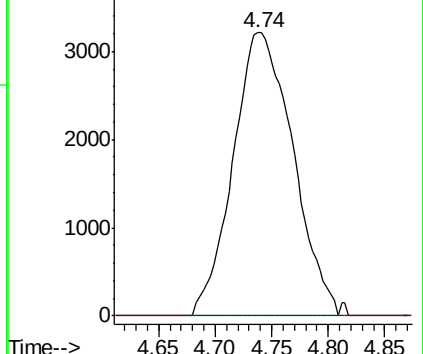
59 100

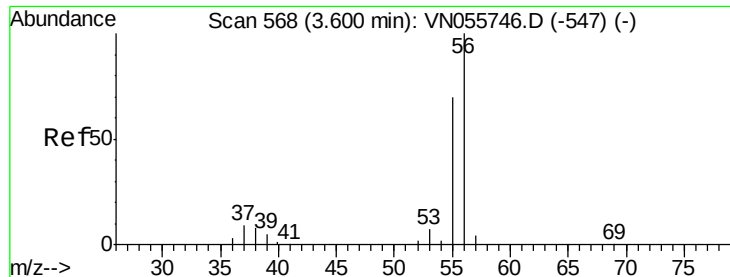
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 0.749 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

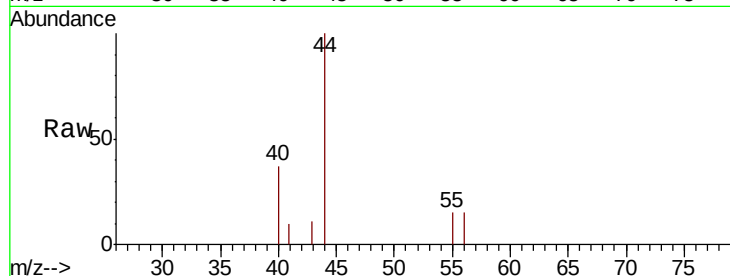
EP1-W-2R(14-17)

Tgt Ion: 56 Resp: 427

Ion Ratio Lower Upper

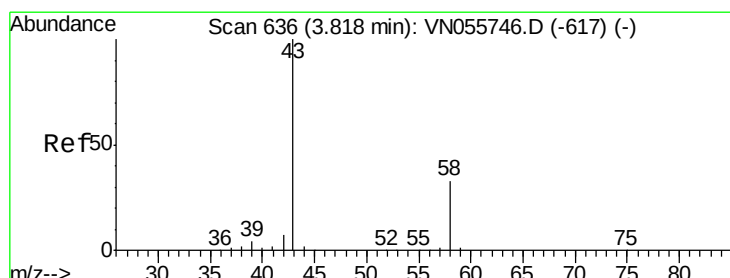
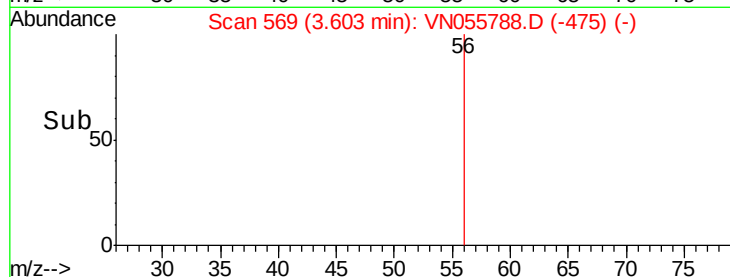
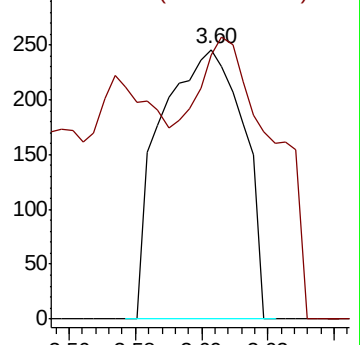
56 100

55 90.9 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.055 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055788.D

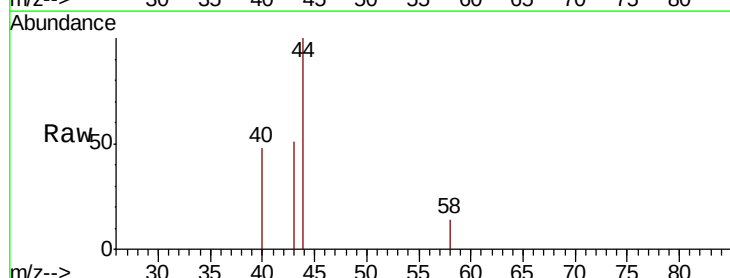
Acq: 24 May 2019 11:57

Tgt Ion: 43 Resp: 1933

Ion Ratio Lower Upper

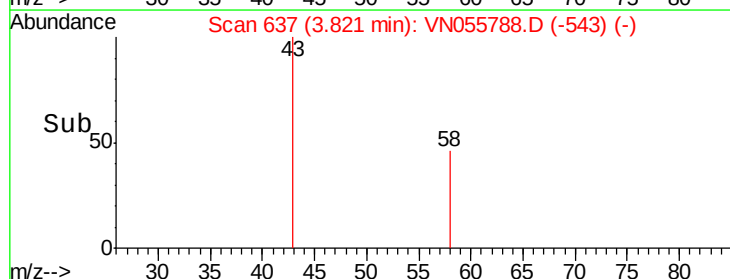
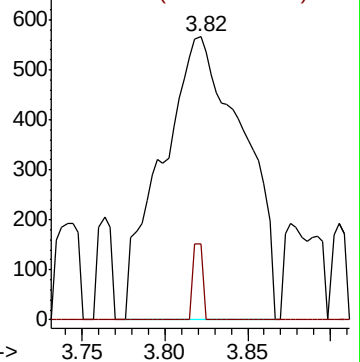
43 100

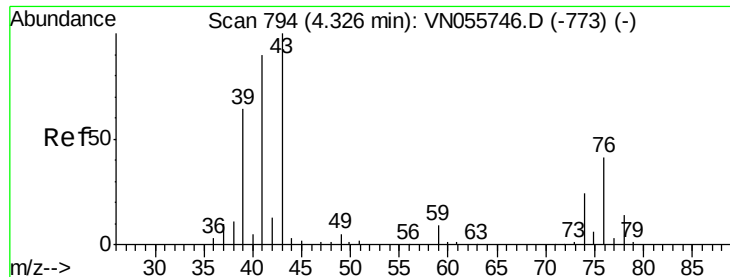
58 26.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

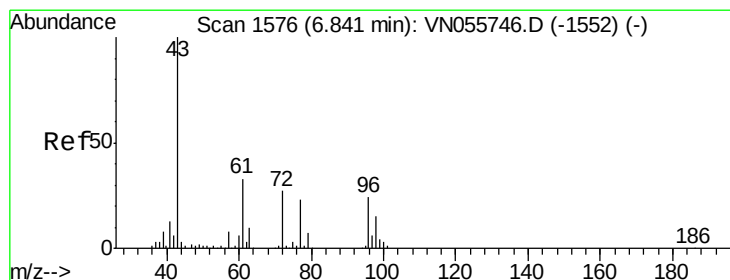
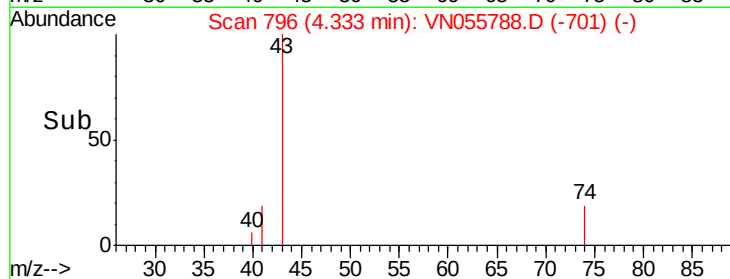
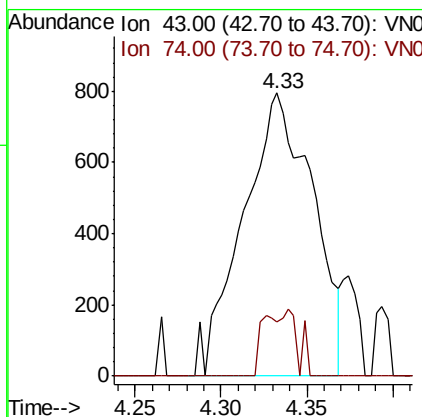
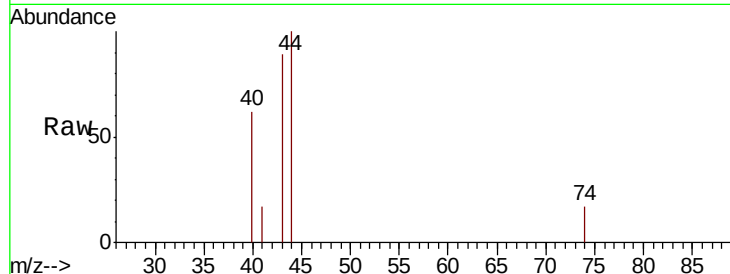




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.33 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

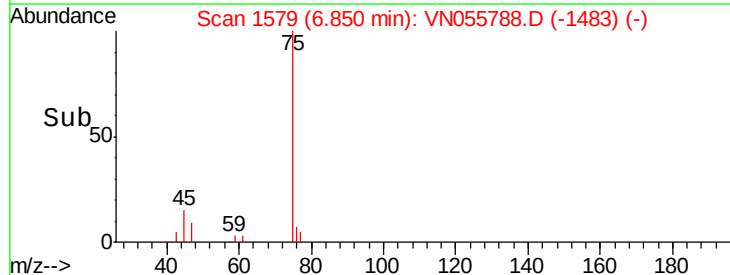
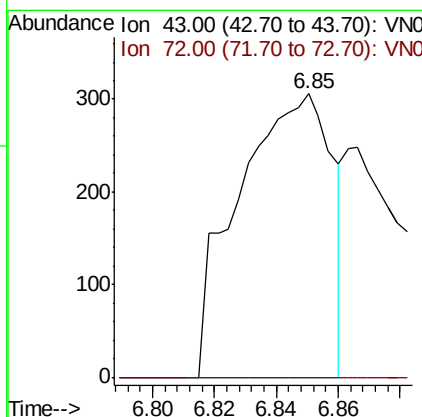
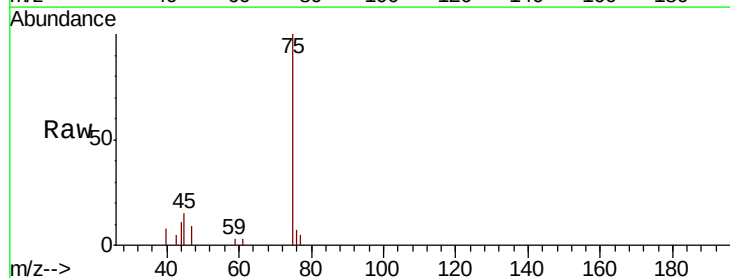
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-W-2R(14-17)

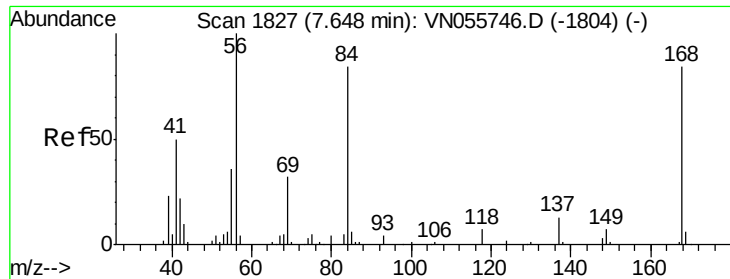
Tgt Ion: 43 Resp: 2246  
Ion Ratio Lower Upper  
43 100  
74 5.5 19.3 28.9#



#25  
2-Butanone  
Concen: 0.250 ug/l  
RT: 6.85 min Scan# 1579  
Delta R.T. 0.01 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Tgt Ion: 43 Resp: 640  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.9 32.9#

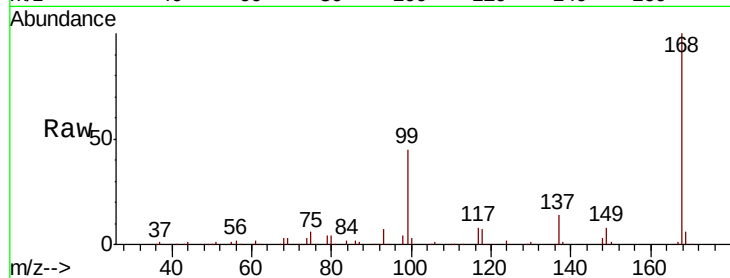




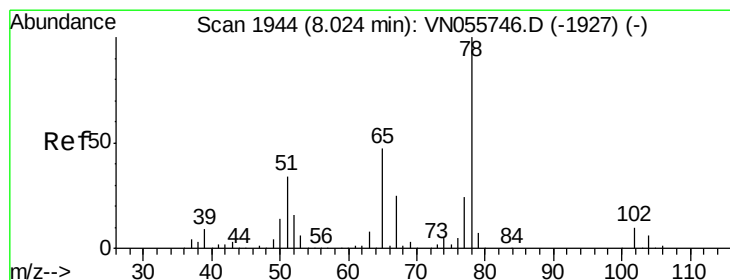
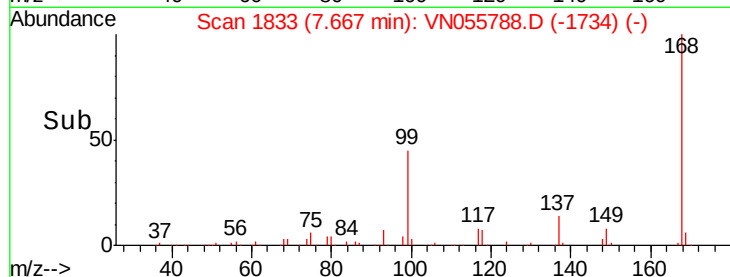
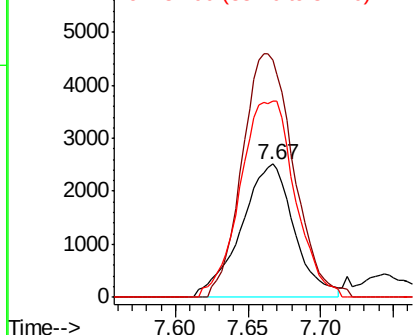
#31  
Cyclohexane  
Concen: 1.025 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.02 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-W-2R(14-17)

Tgt Ion: 56 Resp: 6413  
Ion Ratio Lower Upper  
56 100  
69 177.3 25.6 38.4#  
84 147.2 67.4 101.0#

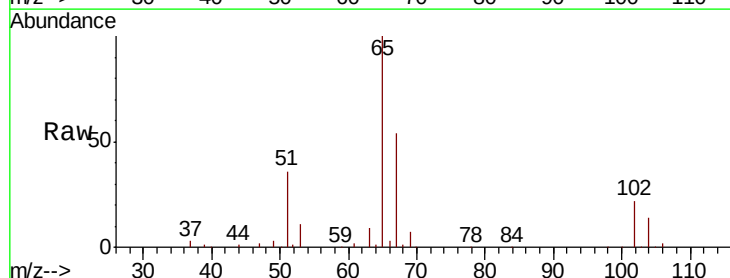


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

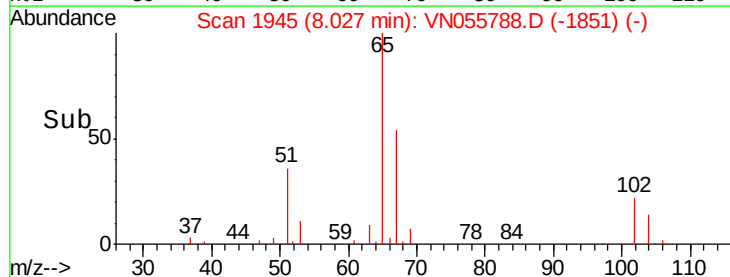
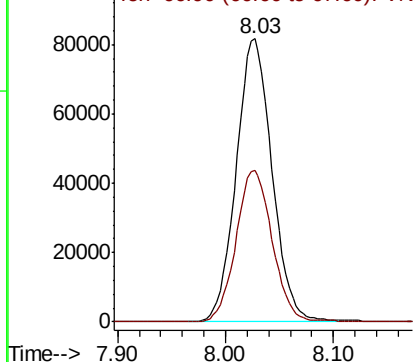


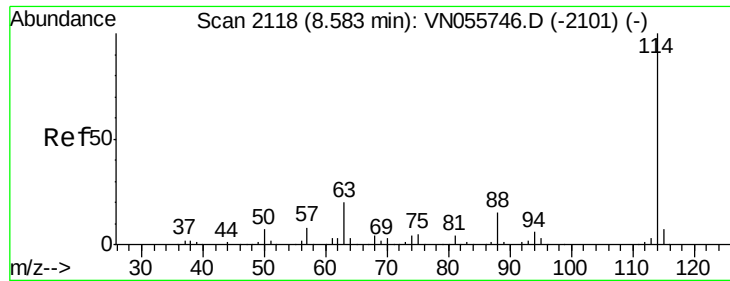
#33  
1,2-Dichloroethane-d4  
Concen: 45.330 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Tgt Ion: 65 Resp: 188955  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

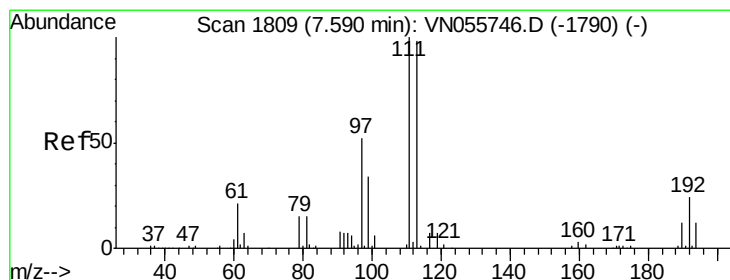
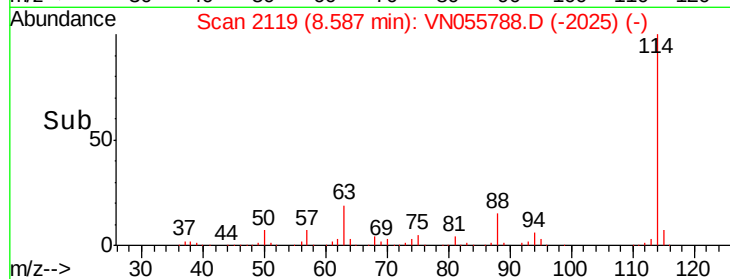
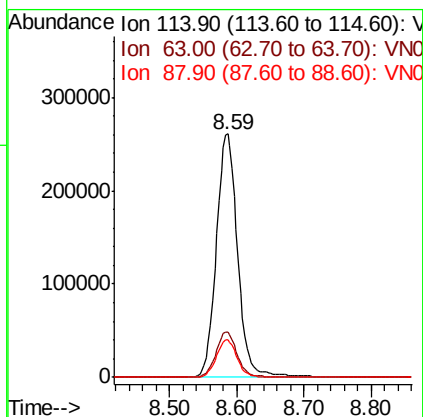
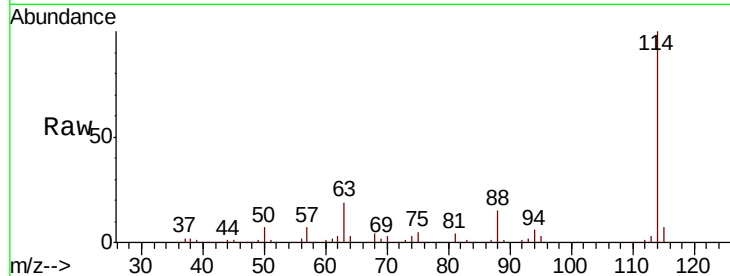




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

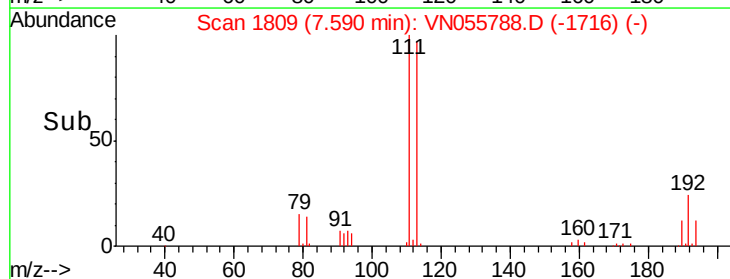
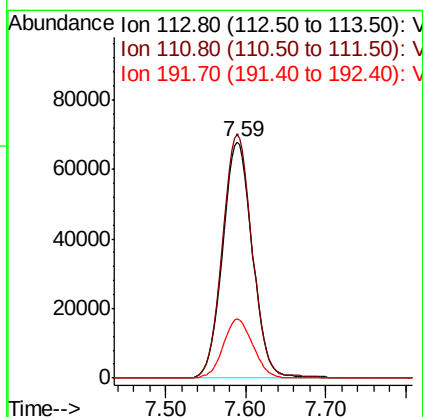
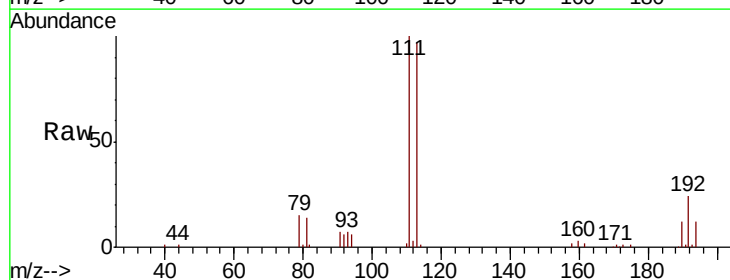
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-W-2R(14-17)

Tgt Ion:114 Resp: 577972  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 39.2  
 88 15.3 0.0 31.0

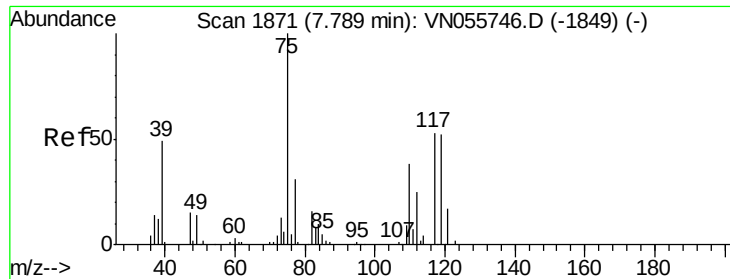


#35  
 Dibromofluoromethane  
 Concen: 47.475 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

Tgt Ion:113 Resp: 173481  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 81.9 122.9  
 192 24.8 19.5 29.3



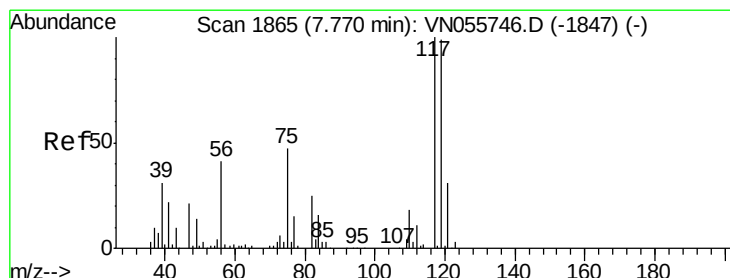
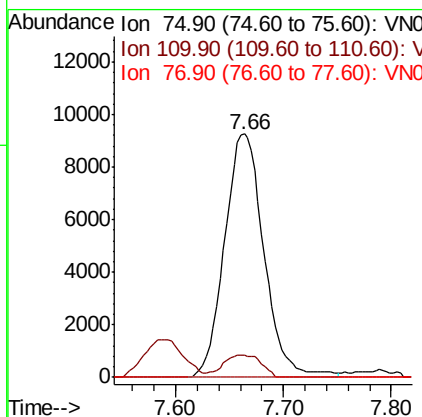
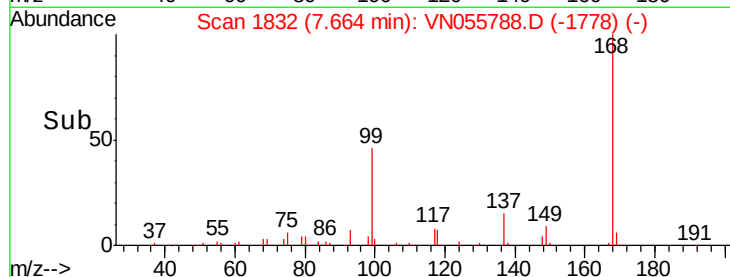
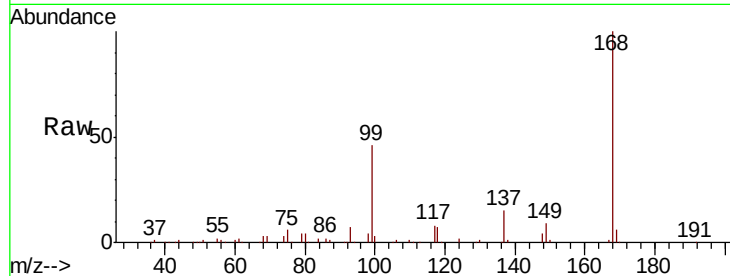




#36  
 1,1-Dichloropropene  
 Concen: 4.668 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

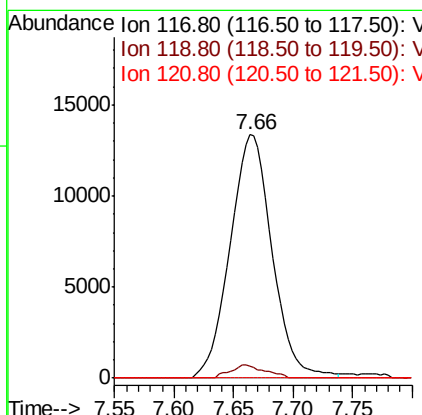
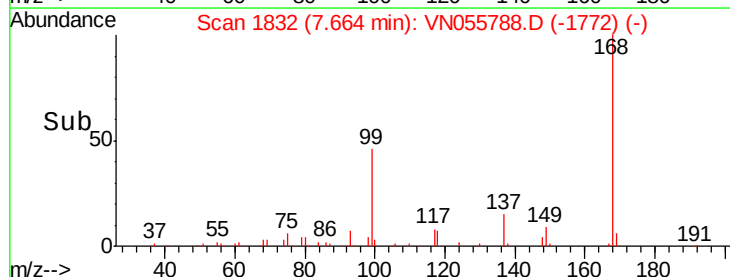
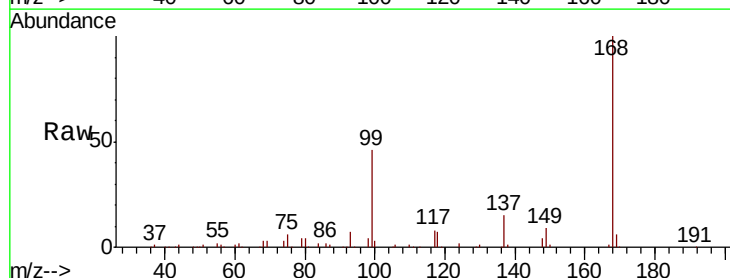
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-W-2R(14-17)

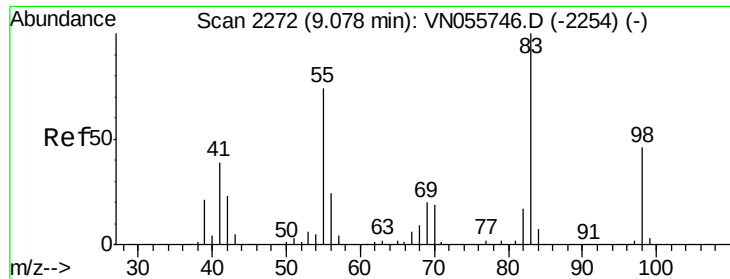
Tgt Ion: 75 Resp: 23513  
 Ion Ratio Lower Upper  
 75 100  
 110 8.8 19.0 57.0#  
 77 0.0 25.1 37.7#



#38  
 Carbon Tetrachloride  
 Concen: 6.229 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.11 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

Tgt Ion: 117 Resp: 32683  
 Ion Ratio Lower Upper  
 117 100  
 119 5.1 79.0 118.6#  
 121 0.0 24.7 37.1#

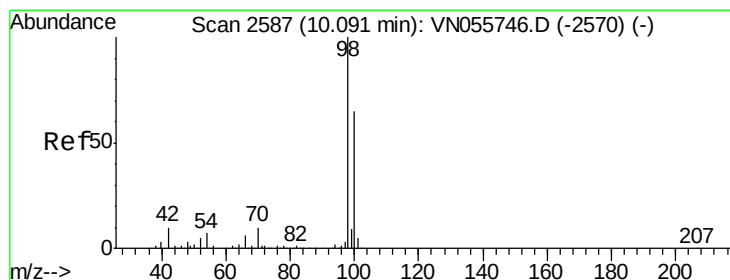
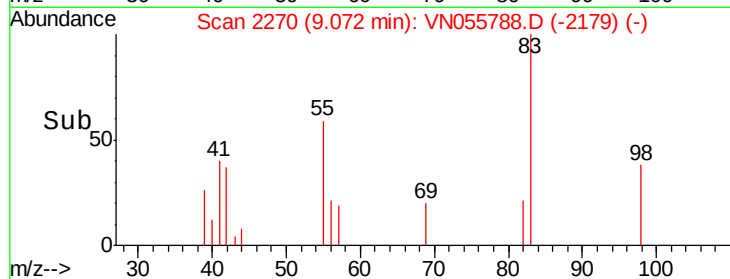
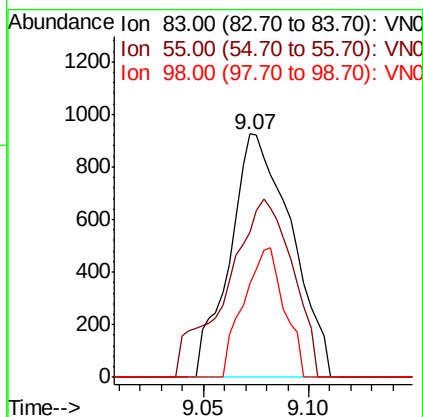
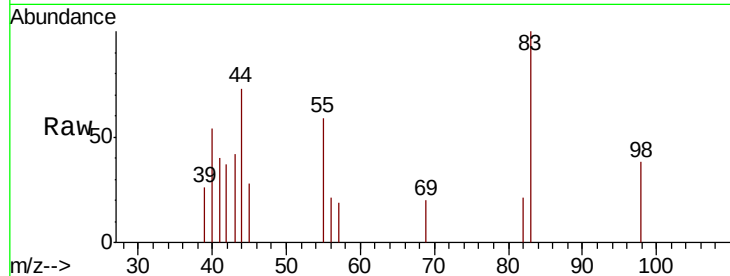




#39  
Methylcyclohexane  
Concen: 0.301 ug/l  
RT: 9.07 min Scan# 2270  
Delta R.T. -0.01 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

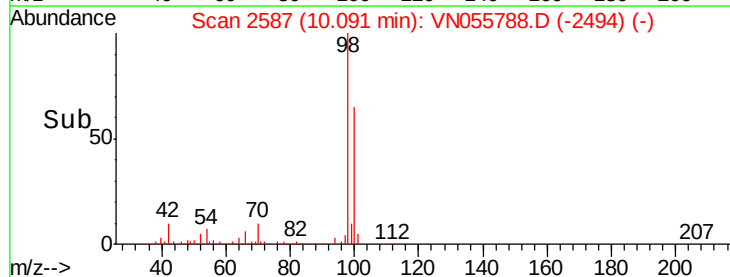
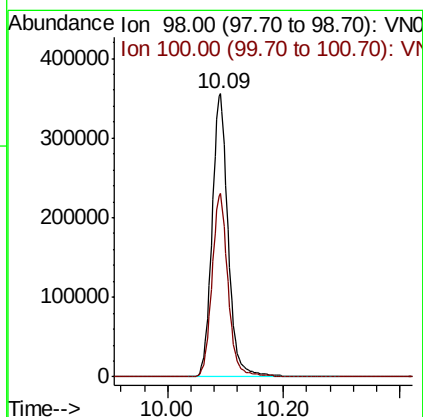
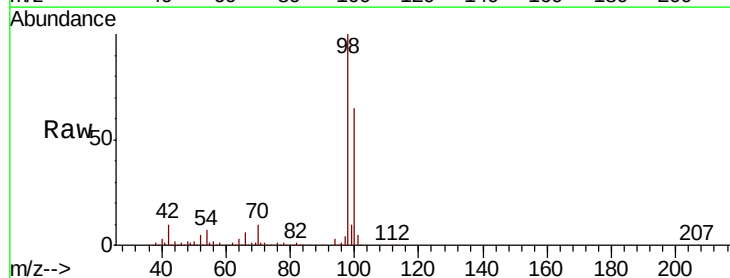
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-W-2R(14-17)

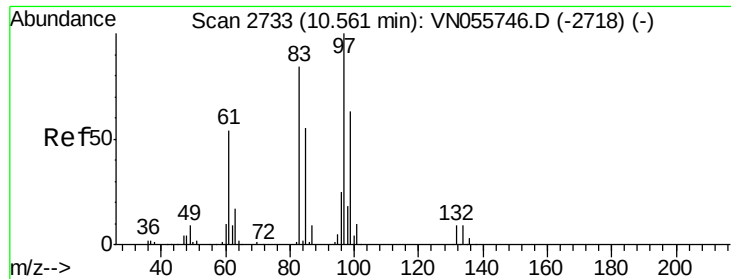
Tgt Ion: 83 Resp: 1878  
Ion Ratio Lower Upper  
83 100  
55 59.4 59.3 88.9  
98 38.4 36.6 54.8



#50  
Toluene-d8  
Concen: 49.030 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Tgt Ion: 98 Resp: 687247  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9

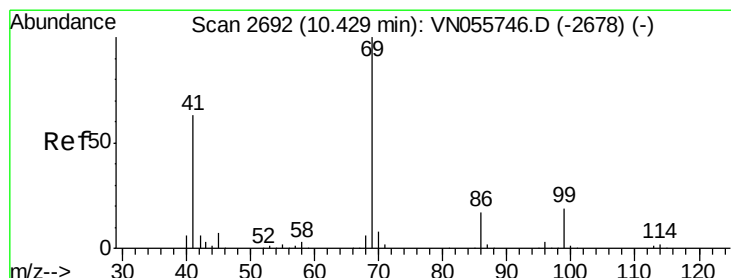
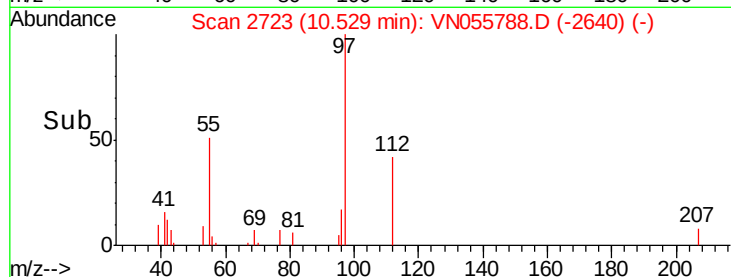
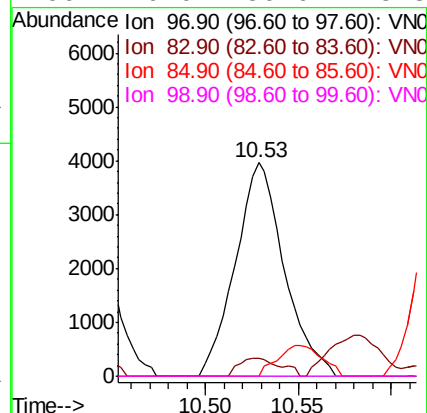
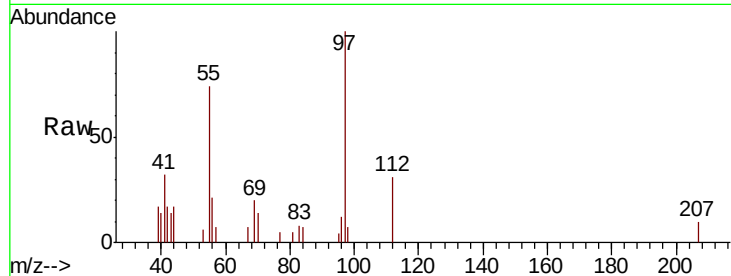




#55  
 1,1,2-Trichloroethane  
 Concen: 1.894 ug/l  
 RT: 10.53 min Scan# 2723  
 Delta R.T. -0.03 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

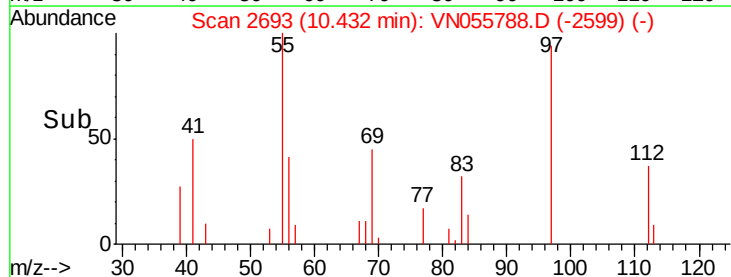
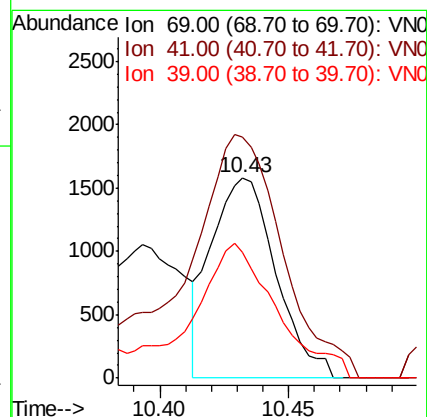
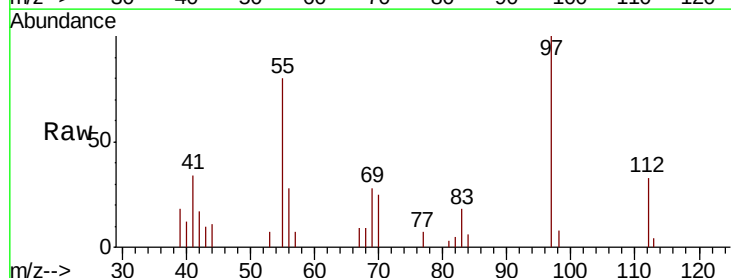
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-W-2R(14-17)

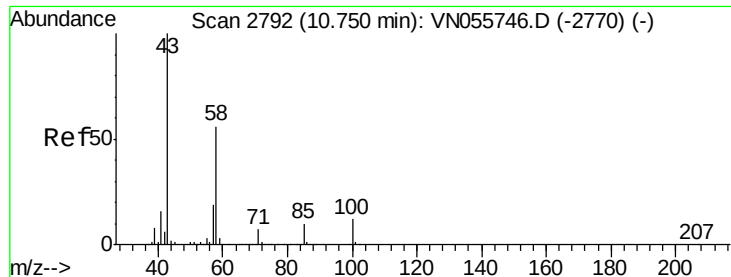
Tgt Ion: 97 Resp: 7245  
 Ion Ratio Lower Upper  
 97 100  
 83 8.4 67.0 100.6#  
 85 0.0 44.0 66.0#  
 99 0.0 50.6 75.8#



#56  
 Ethyl methacrylate  
 Concen: 0.465 ug/l  
 RT: 10.43 min Scan# 2693  
 Delta R.T. 0.00 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

Tgt Ion: 69 Resp: 2748  
 Ion Ratio Lower Upper  
 69 100  
 41 195.8 49.7 74.5#  
 39 86.4 24.7 37.1#

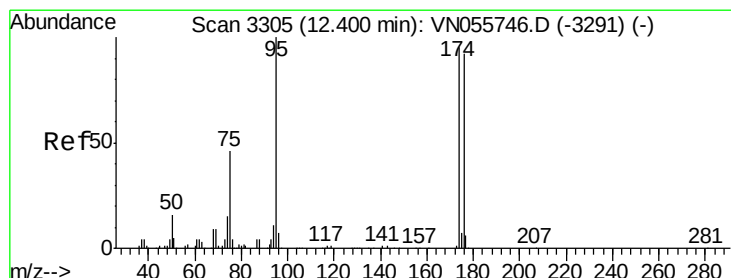
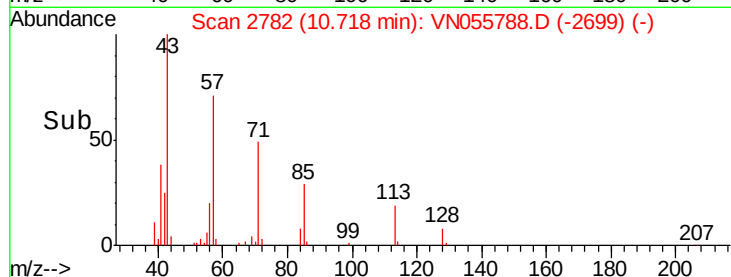
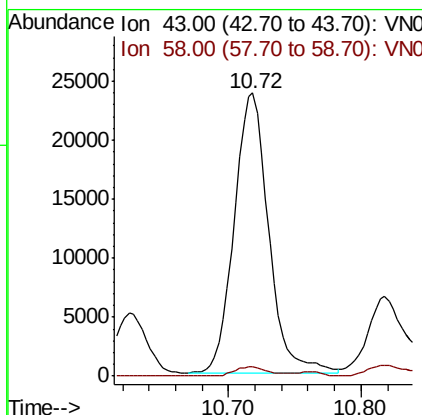
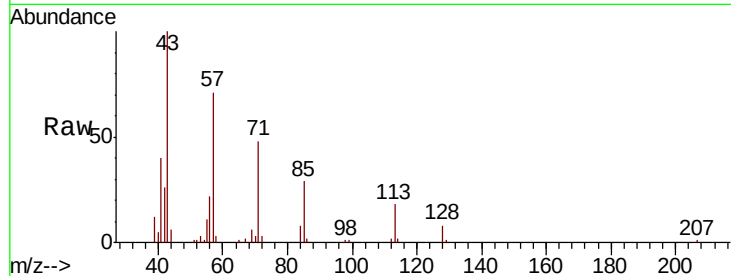




#59  
2-Hexanone  
Concen: 12.448 ug/l  
RT: 10.72 min Scan# 2782  
Delta R.T. -0.03 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

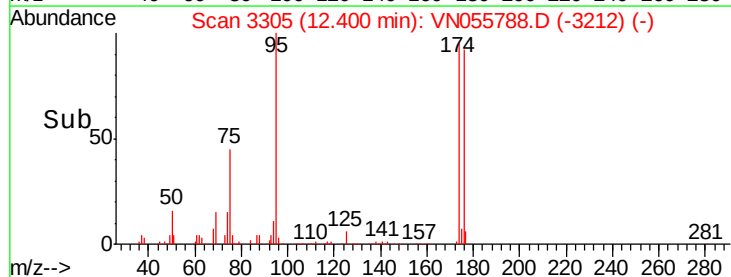
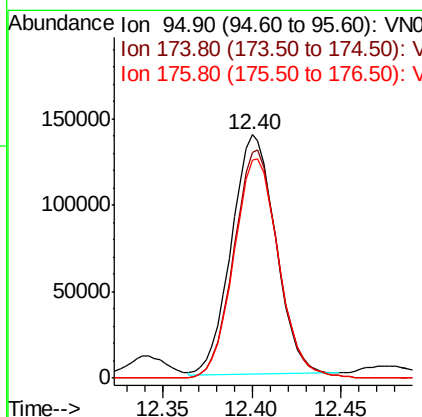
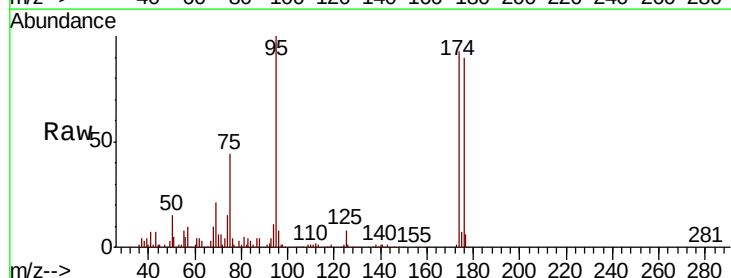
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-W-2R(14-17)

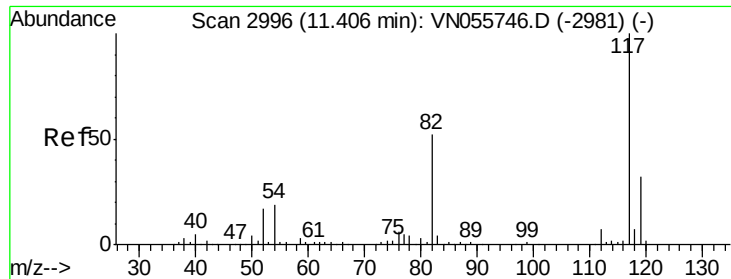
Tgt Ion: 43 Resp: 42657  
Ion Ratio Lower Upper  
43 100  
58 3.0 28.2 84.7#



#62  
4-Bromofluorobenzene  
Concen: 49.506 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Tgt Ion: 95 Resp: 237937  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 191.0  
176 93.6 0.0 185.2

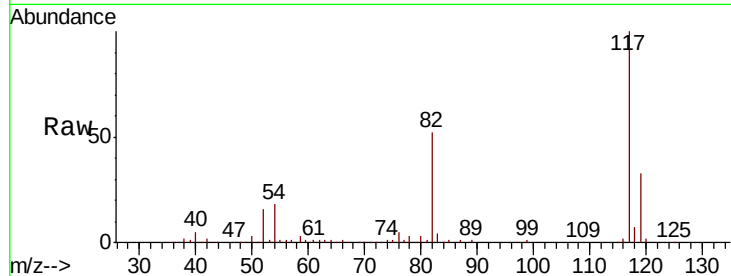




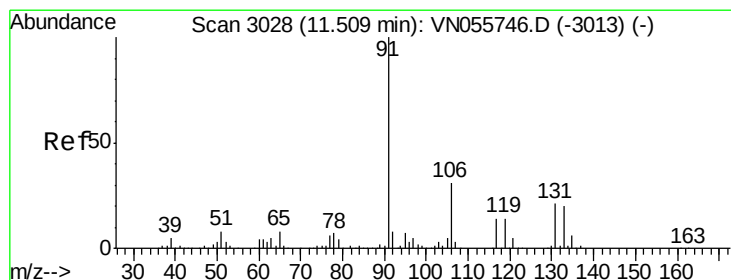
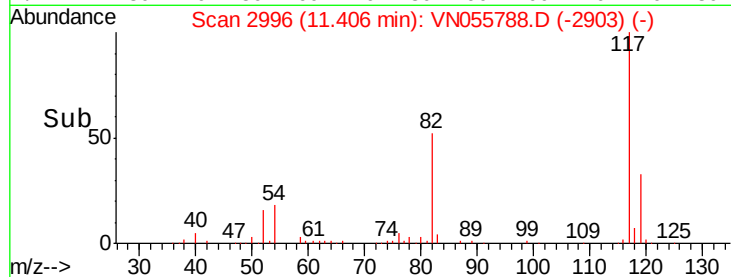
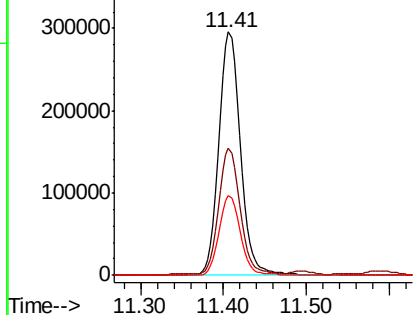
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-W-2R(14-17)

Tgt Ion: 117 Resp: 532101  
Ion Ratio Lower Upper  
117 100  
82 51.6 41.8 62.8  
119 32.5 25.4 38.0

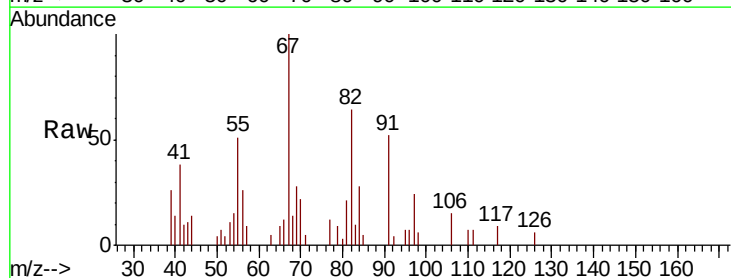


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

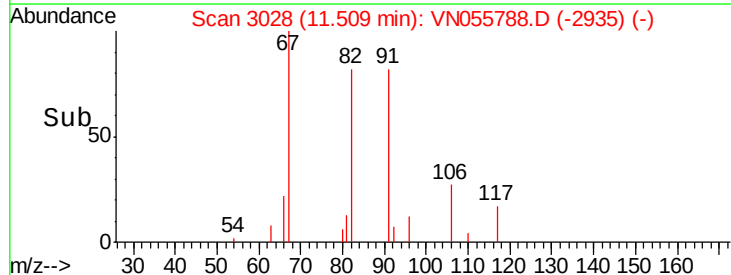
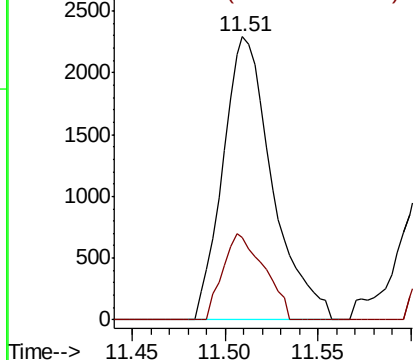


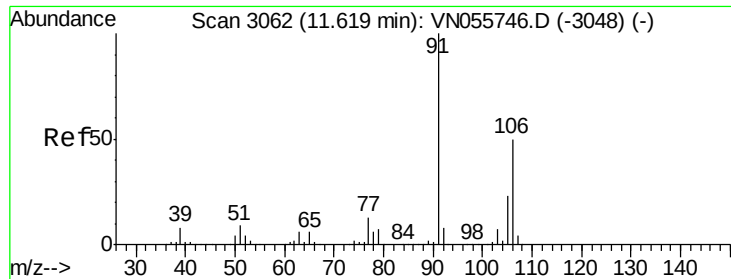
#67  
Ethyl Benzene  
Concen: 0.222 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Tgt Ion: 91 Resp: 4240  
Ion Ratio Lower Upper  
91 100  
106 29.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 106.00 (105.70 to 106.70): V

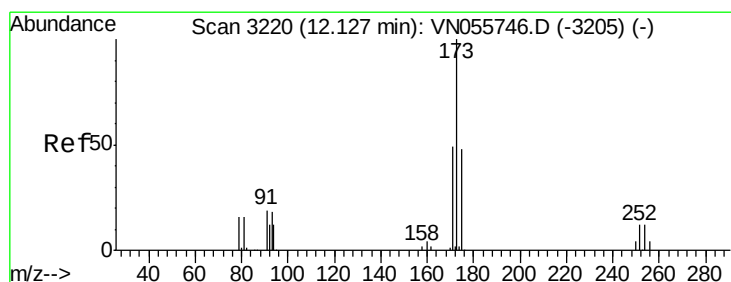
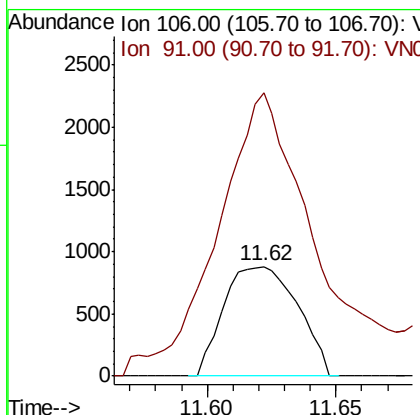
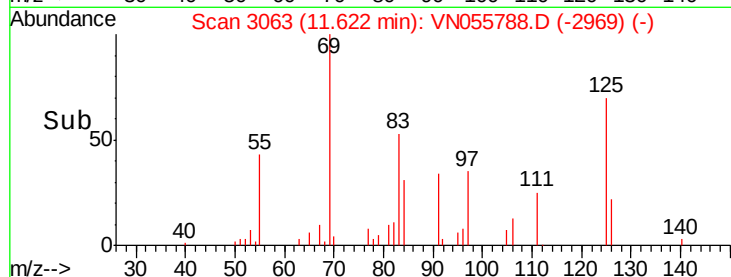
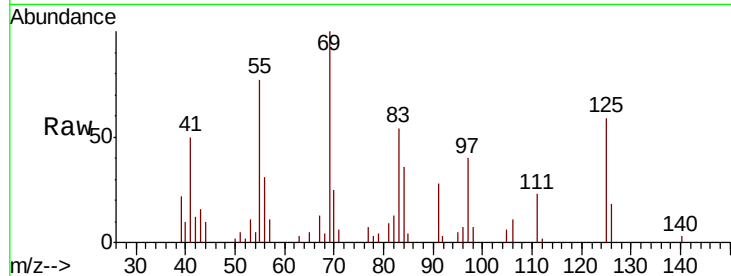




#68  
m/p-Xylenes  
Concen: 0.244 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

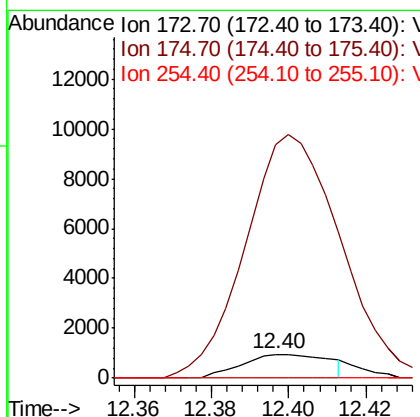
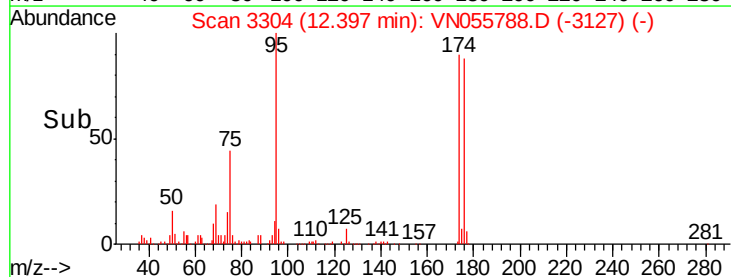
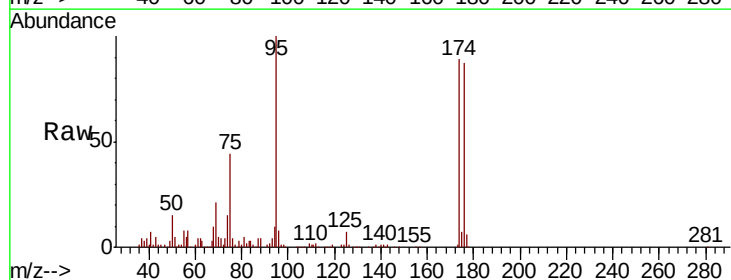
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-W-2R(14-17)

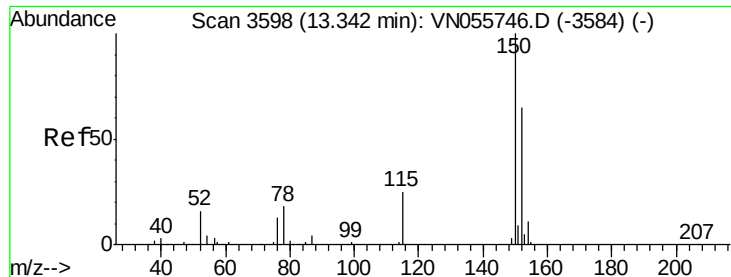
Tgt Ion:106 Resp: 1762  
Ion Ratio Lower Upper  
106 100  
91 337.3 159.3 238.9#



#71  
Bromoform  
Concen: 0.414 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.27 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Tgt Ion:173 Resp: 1501  
Ion Ratio Lower Upper  
173 100  
175 964.6 24.3 72.8#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

EP1-W-2R(14-17)

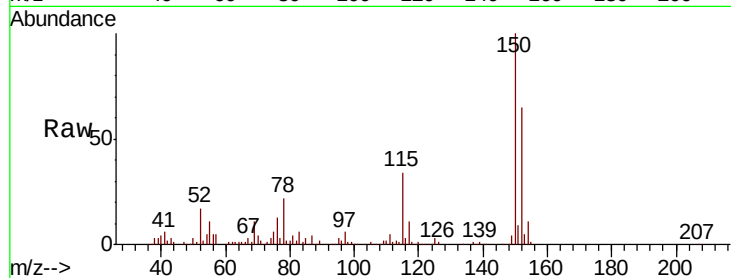
Tgt Ion:152 Resp: 225529

Ion Ratio Lower Upper

152 100

115 57.1 27.0 81.0

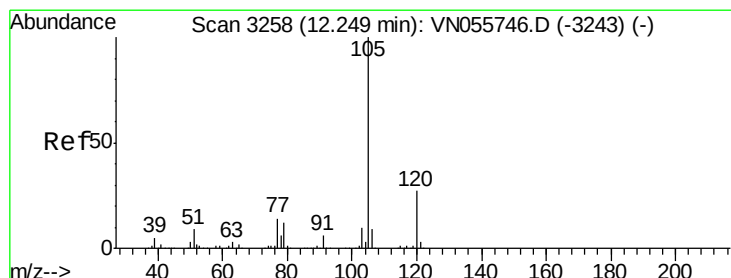
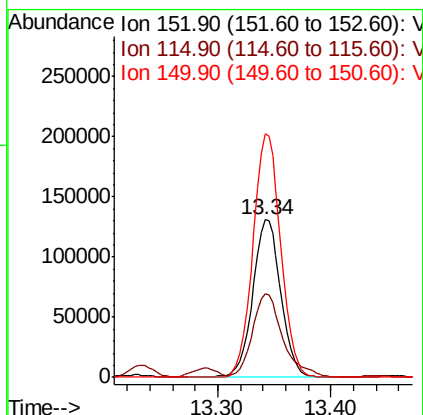
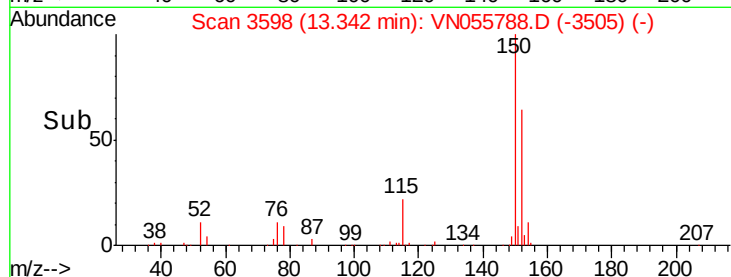
150 152.2 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.249 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055788.D

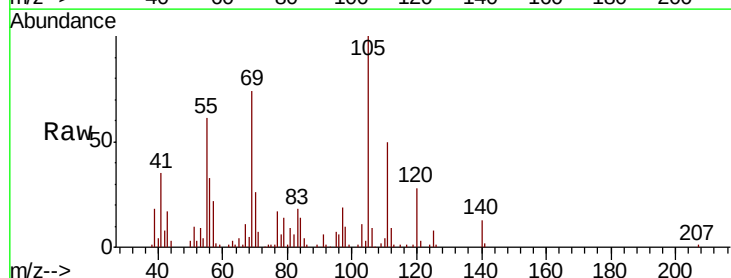
Acq: 24 May 2019 11:57

Tgt Ion:105 Resp: 61761

Ion Ratio Lower Upper

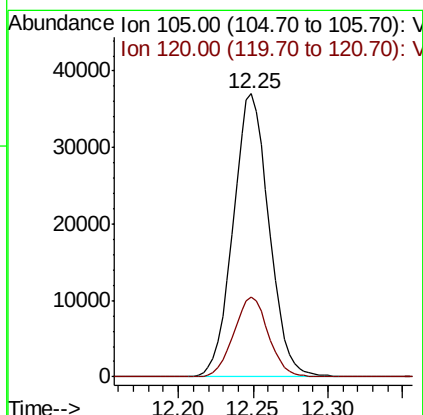
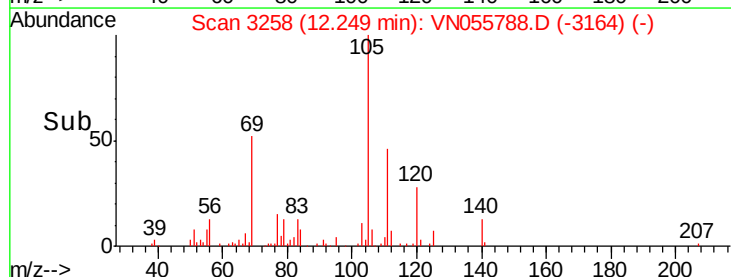
105 100

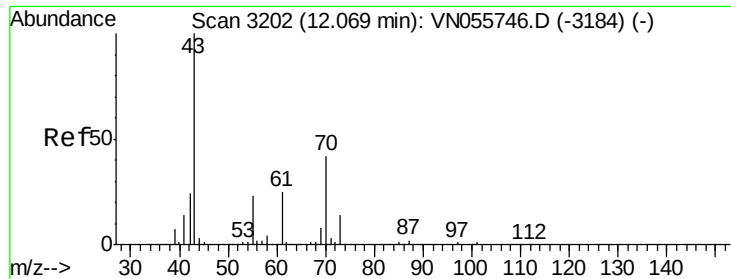
120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 29.027 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

EP1-W-2R(14-17)

Tgt Ion: 43 Resp: 183107

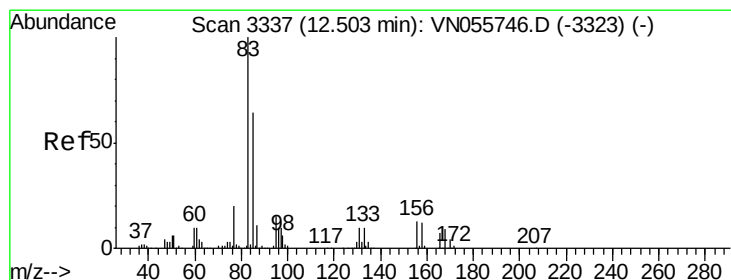
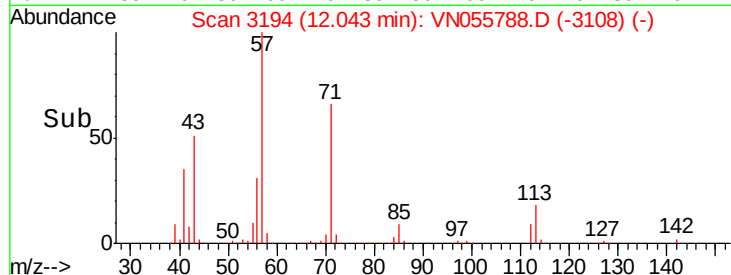
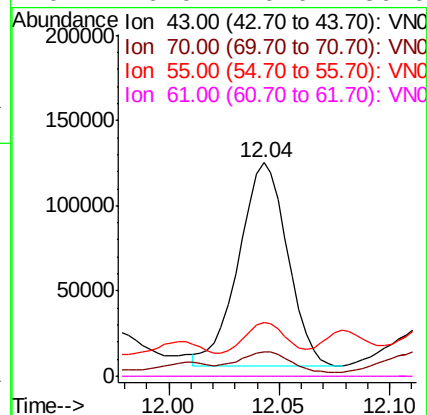
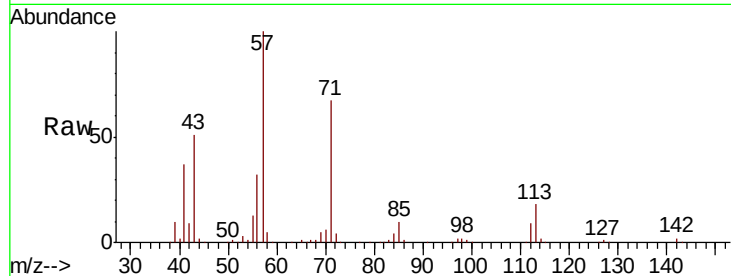
Ion Ratio Lower Upper

43 100

70 10.2 34.0 51.0#

55 22.3 18.6 28.0

61 0.0 20.0 30.0#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

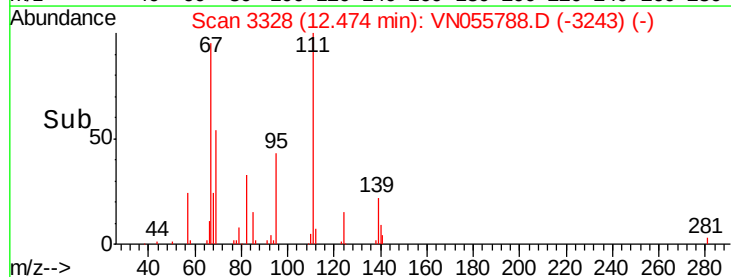
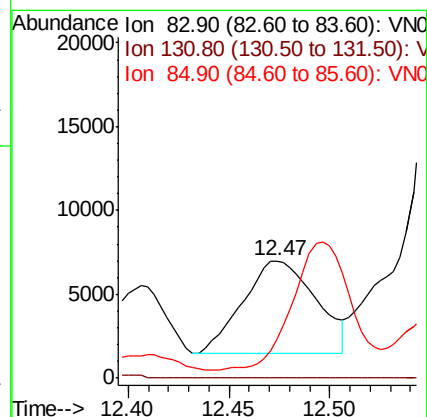
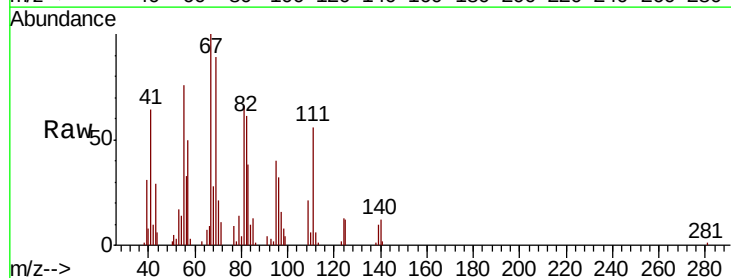
Tgt Ion: 83 Resp: 13947

Ion Ratio Lower Upper

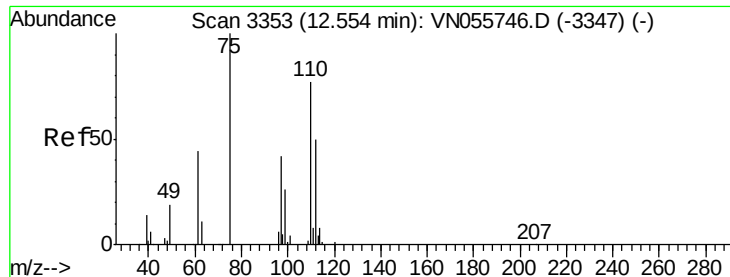
83 100

131 0.0 5.4 16.2#

85 0.0 32.4 97.0#







#76

1,2,3-Trichloropropane

Concen: 26.318 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

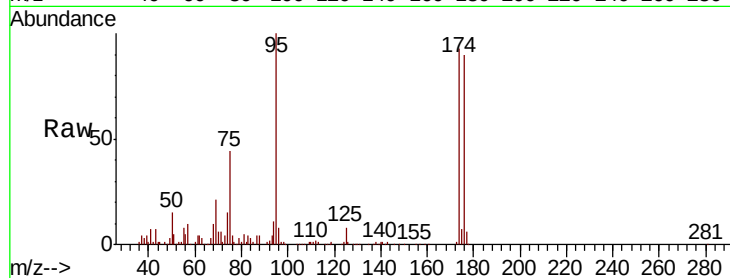
EP1-W-2R(14-17)

Tgt Ion: 75 Resp: 107995

Ion Ratio Lower Upper

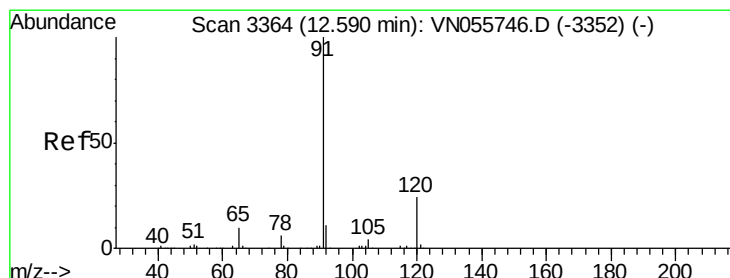
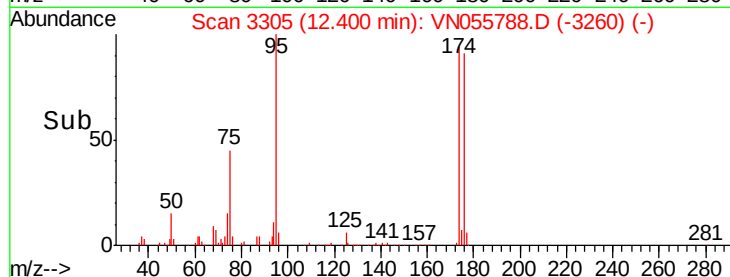
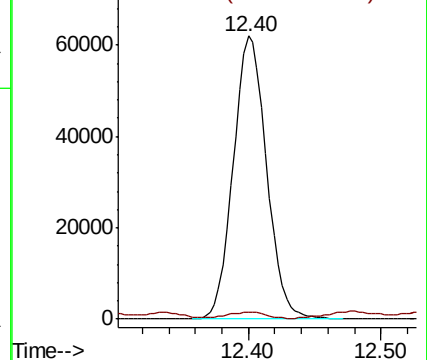
75 100

77 2.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 11.498 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055788.D

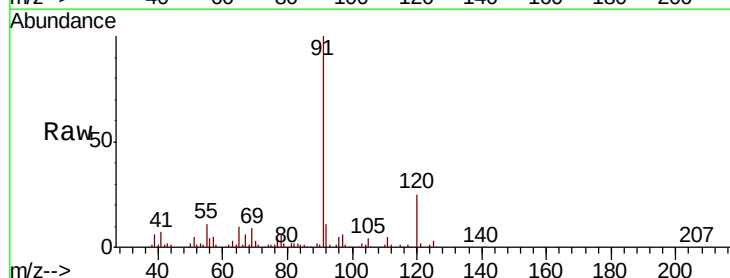
Acq: 24 May 2019 11:57

Tgt Ion: 91 Resp: 225373

Ion Ratio Lower Upper

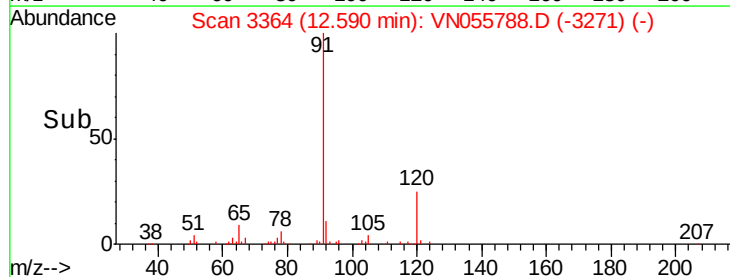
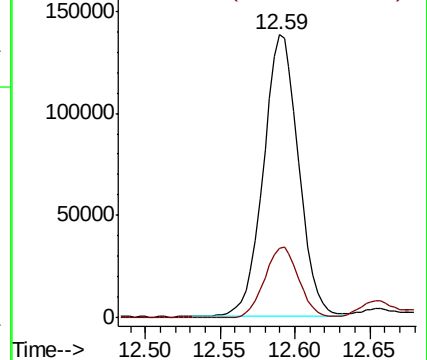
91 100

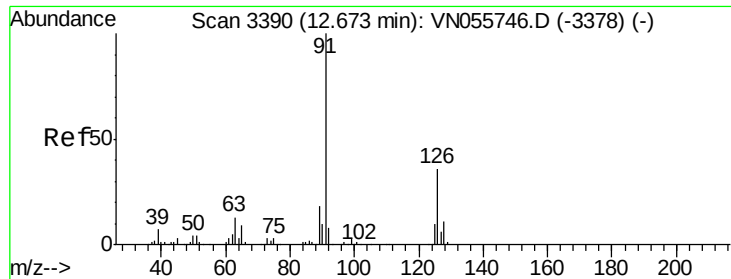
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.06 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

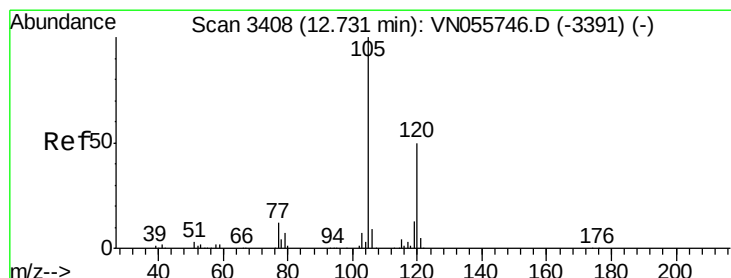
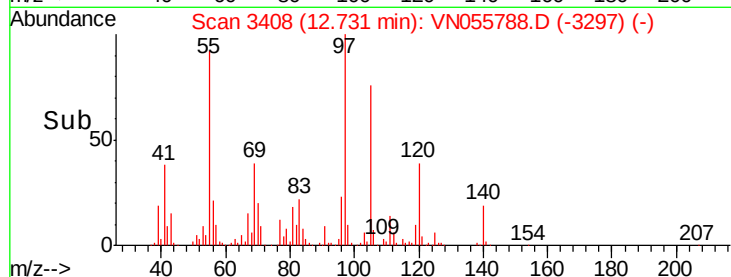
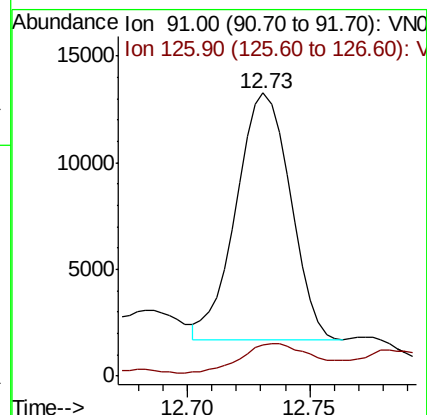
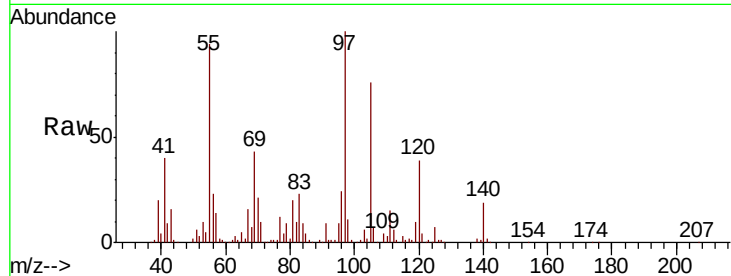
EP1-W-2R(14-17)

Tgt Ion: 91 Resp: 17812

Ion Ratio Lower Upper

91 100

126 15.2 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 11.837 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055788.D

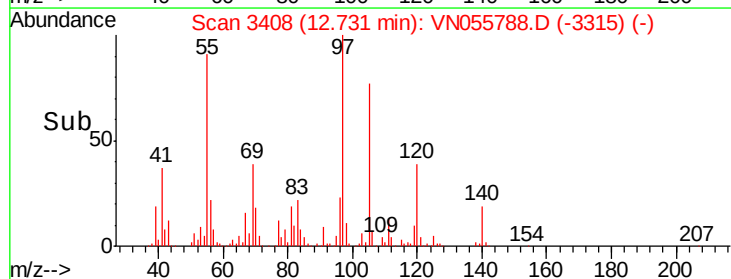
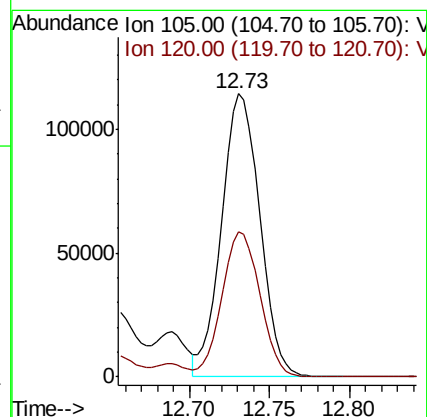
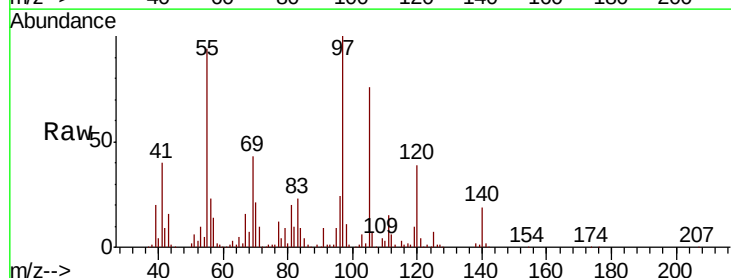
Acq: 24 May 2019 11:57

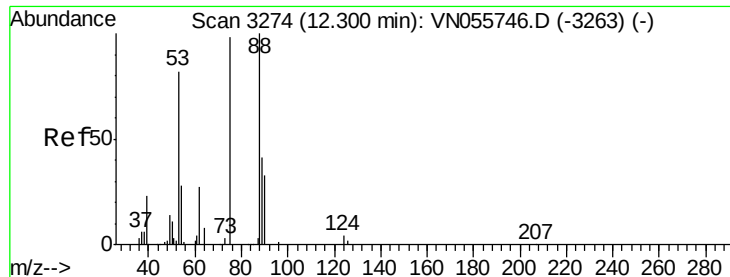
Tgt Ion: 105 Resp: 186229

Ion Ratio Lower Upper

105 100

120 51.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 64.429 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

EP1-W-2R(14-17)

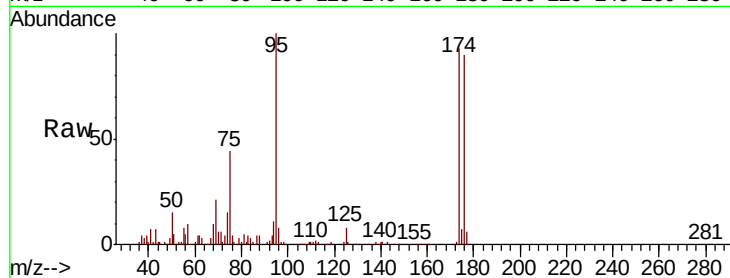
Tgt Ion: 75 Resp: 107995

Ion Ratio Lower Upper

75 100

53 2.8 68.1 102.1#

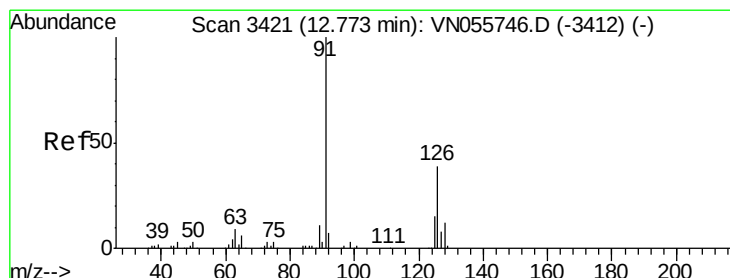
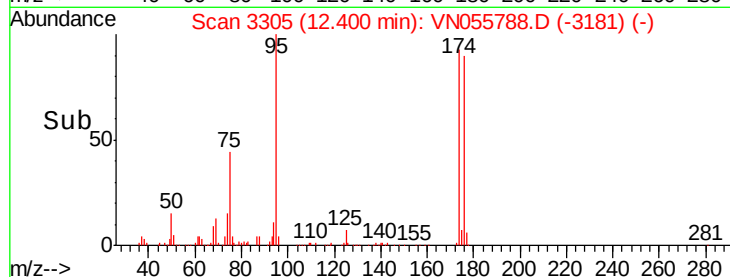
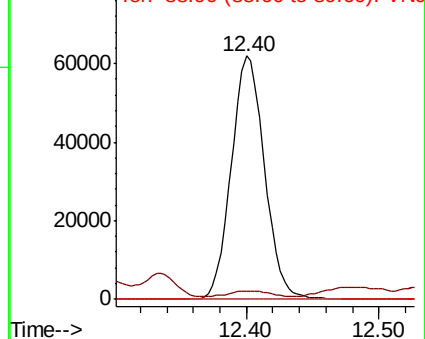
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.546 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN055788.D

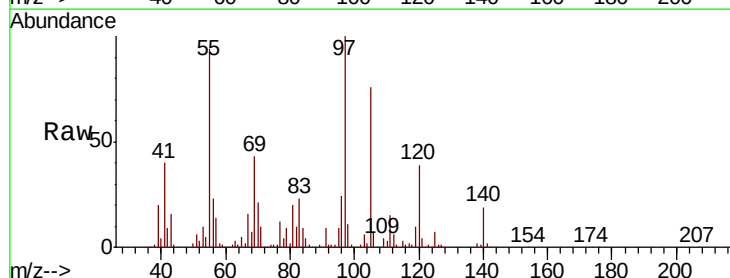
Acq: 24 May 2019 11:57

Tgt Ion: 91 Resp: 17812

Ion Ratio Lower Upper

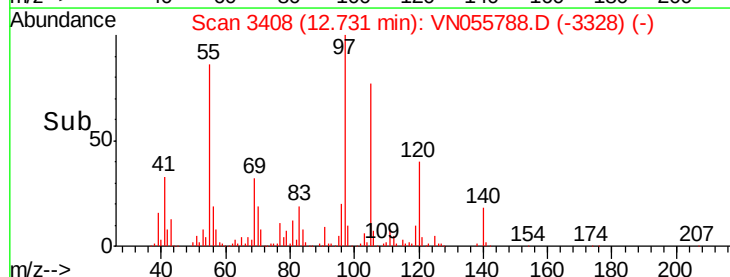
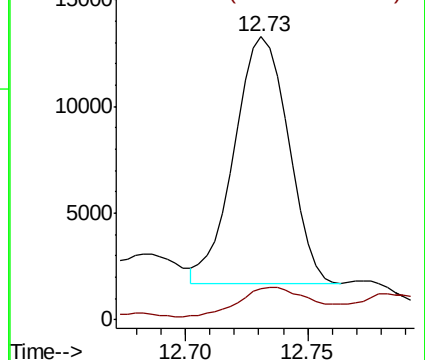
91 100

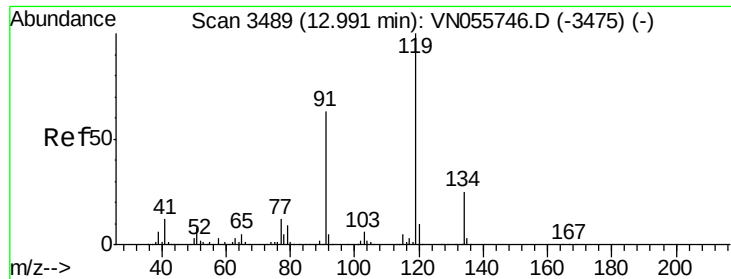
126 16.3 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

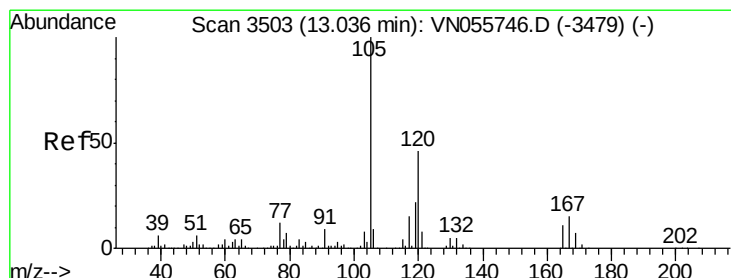
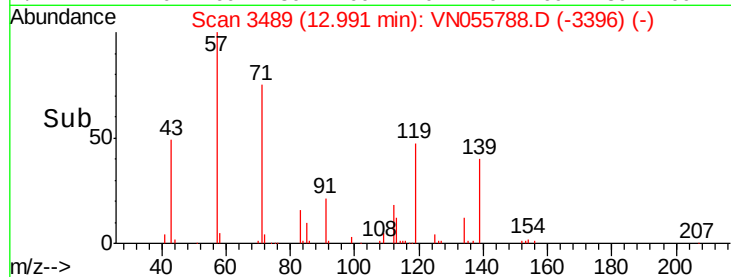
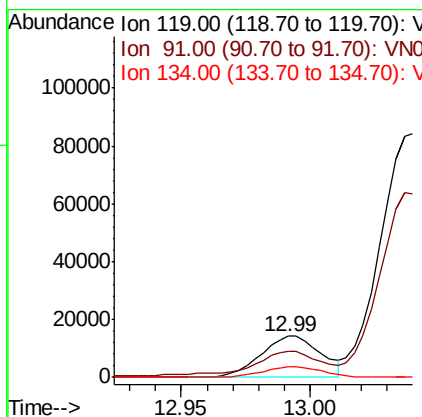
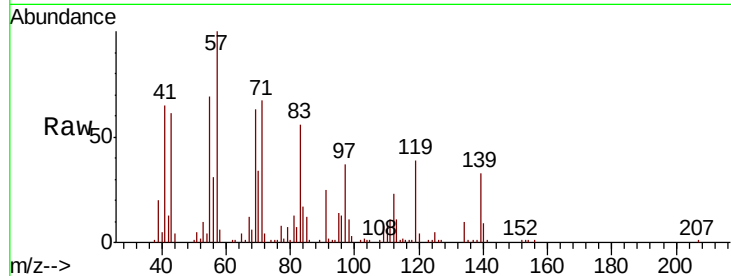




#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

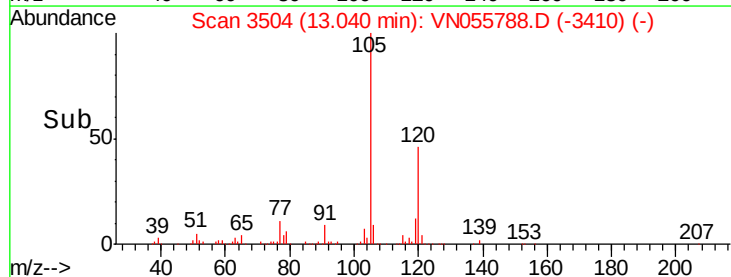
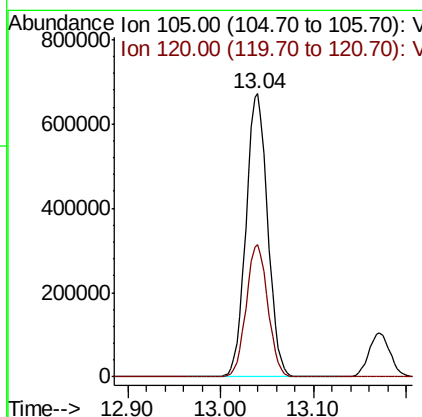
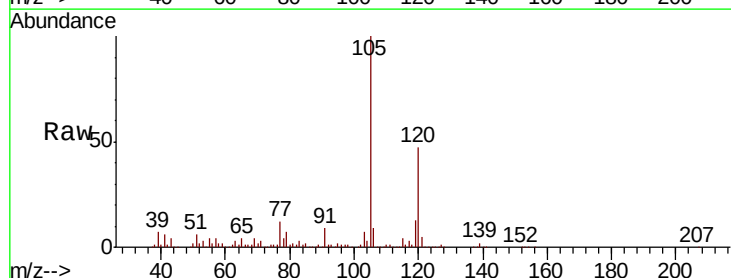
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-W-2R(14-17)

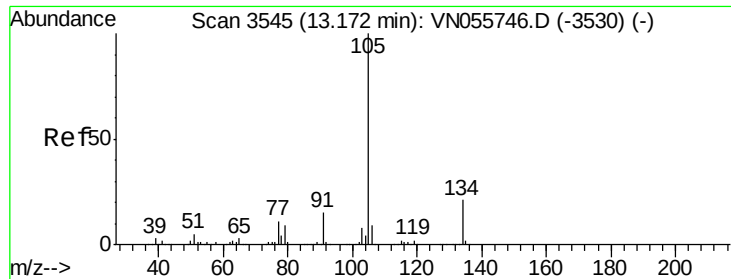
Tgt Ion:119 Resp: 23006  
 Ion Ratio Lower Upper  
 119 100  
 91 65.2 30.9 92.8  
 134 25.3 13.3 39.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 82.025 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

Tgt Ion:105 Resp: 1085613  
 Ion Ratio Lower Upper  
 105 100  
 120 46.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 8.957 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

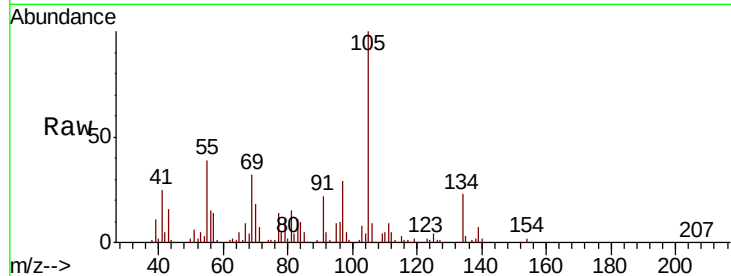
EP1-W-2R(14-17)

Tgt Ion:105 Resp: 165420

Ion Ratio Lower Upper

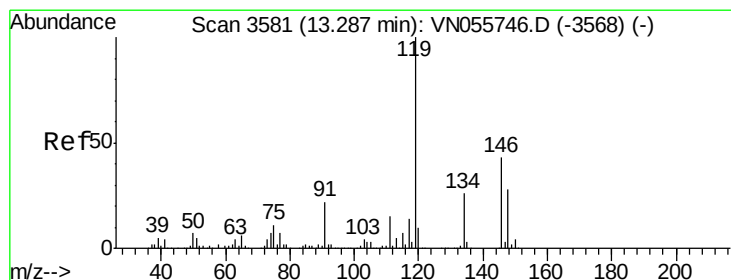
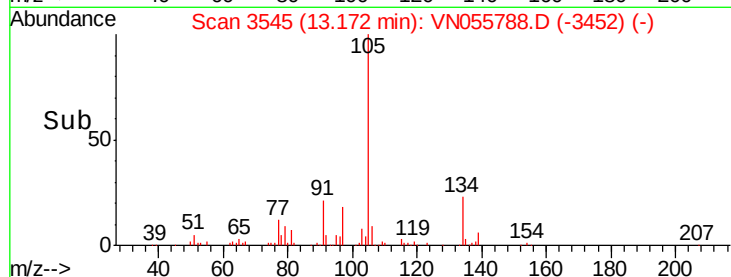
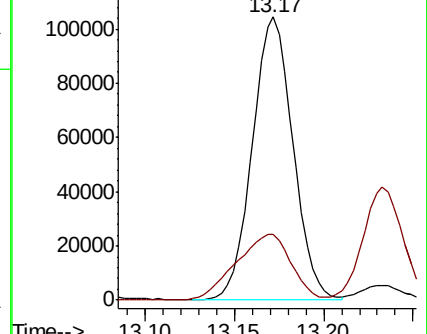
105 100

134 31.6 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.666 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

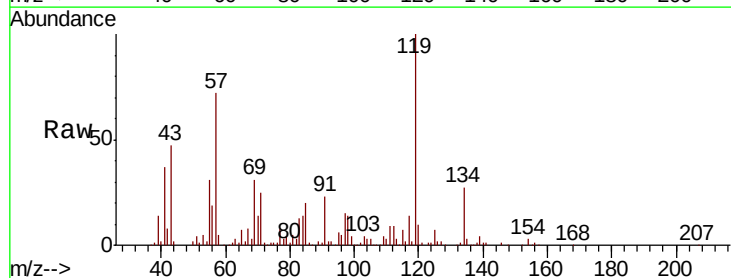
Tgt Ion:119 Resp: 167045

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

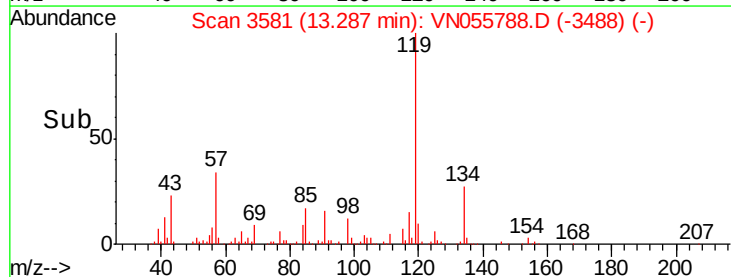
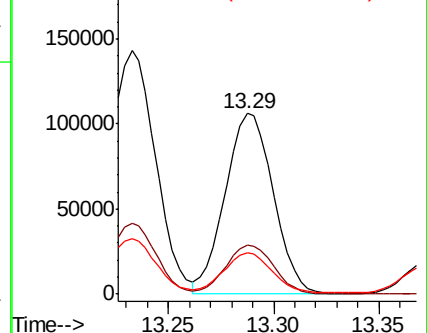
91 21.8 10.9 32.9

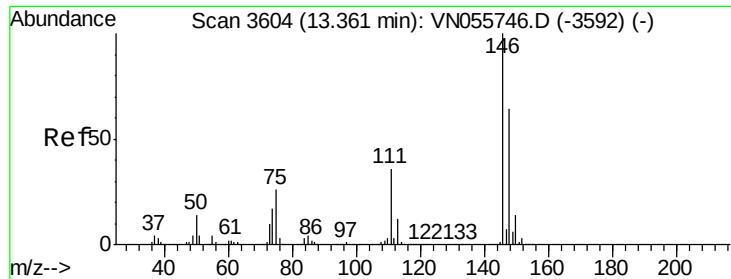


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

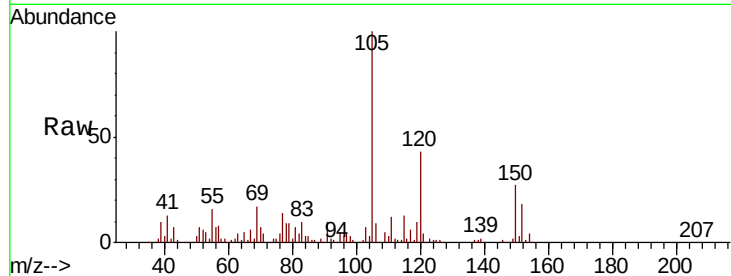




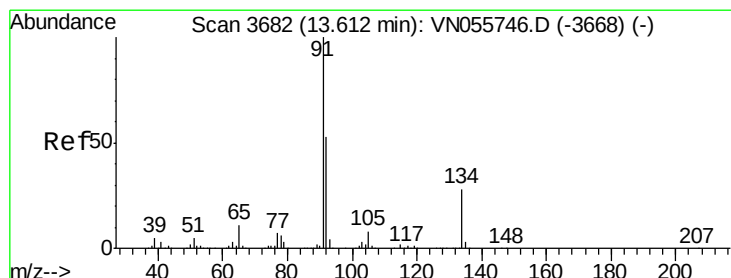
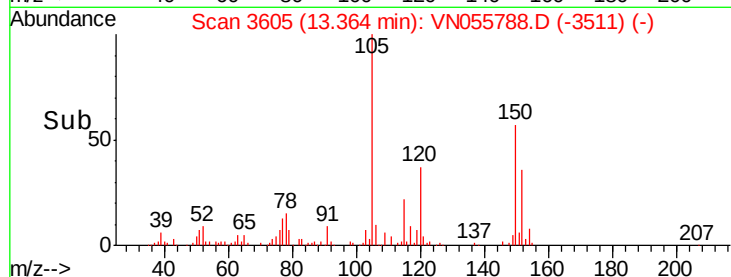
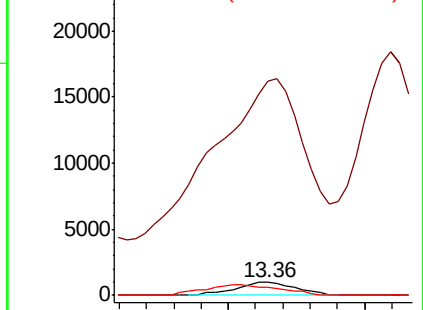
#88  
 1,4-Dichlorobenzene  
 Concen: 0.205 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-W-2R(14-17)

Tgt Ion:146 Resp: 1487  
 Ion Ratio Lower Upper  
 146 100  
 111 1830.2 18.1 54.4#  
 148 102.6 32.1 96.5#

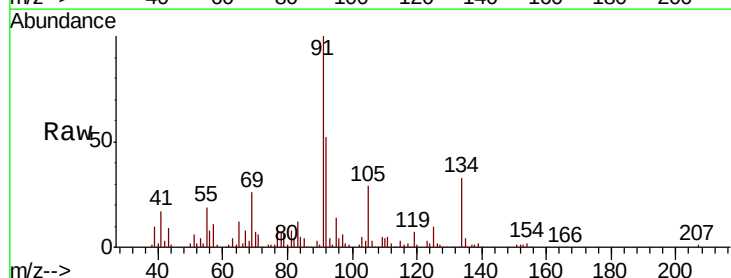


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

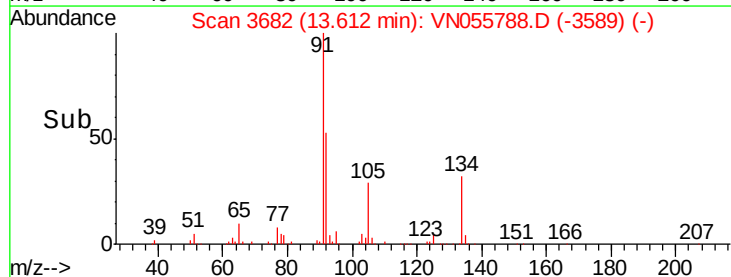
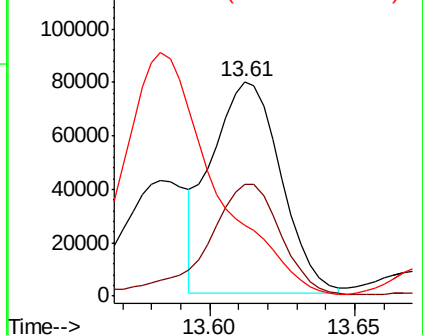


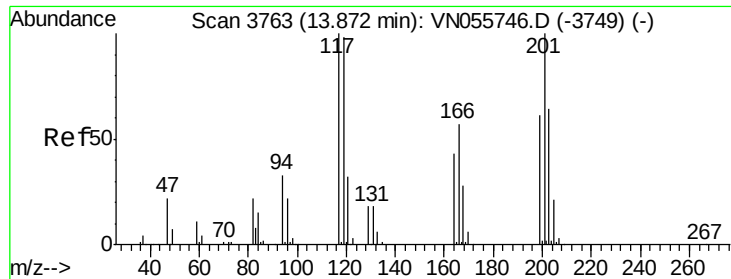
#89  
 n-Butylbenzene  
 Concen: 10.870 ug/l  
 RT: 13.61 min Scan# 3682  
 Delta R.T. 0.00 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

Tgt Ion: 91 Resp: 130449  
 Ion Ratio Lower Upper  
 91 100  
 92 55.6 26.4 79.0  
 134 0.0 13.9 41.7#



Abundance Ion 91.00 (90.70 to 91.70): V  
 Ion 92.00 (91.70 to 92.70): V  
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 8.472 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

Instrument :

MSVOA\_N

ClientSampleId :

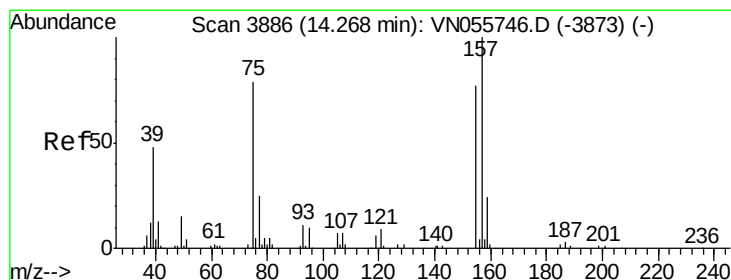
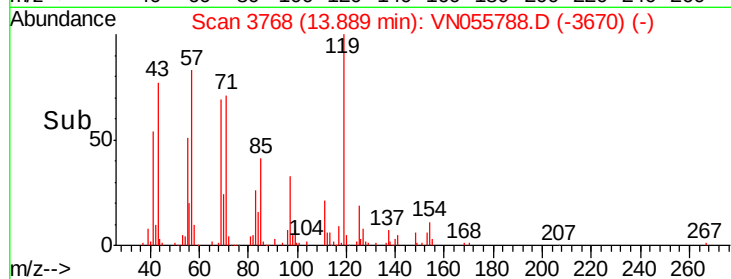
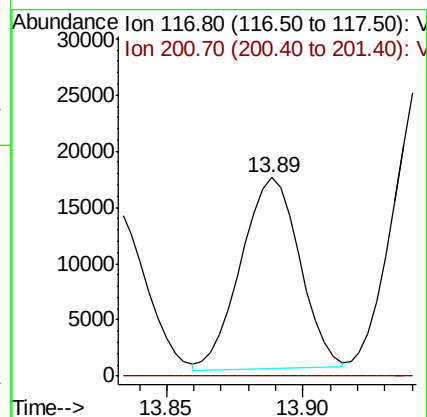
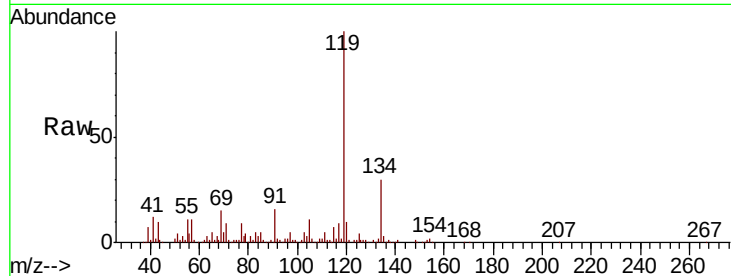
EP1-W-2R(14-17)

Tgt Ion:117 Resp: 25256

Ion Ratio Lower Upper

117 100

201 0.0 50.0 150.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.444 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN055788.D

Acq: 24 May 2019 11:57

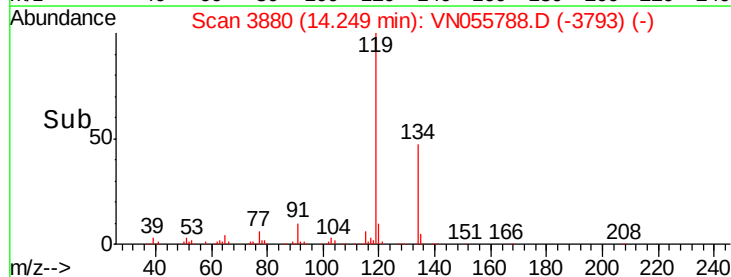
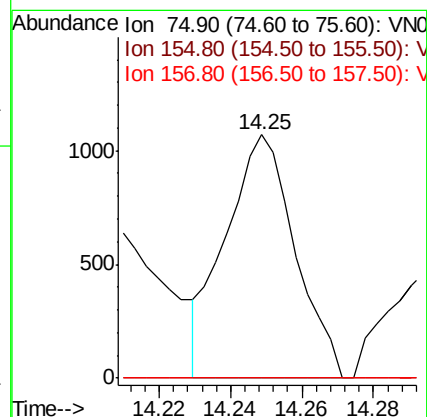
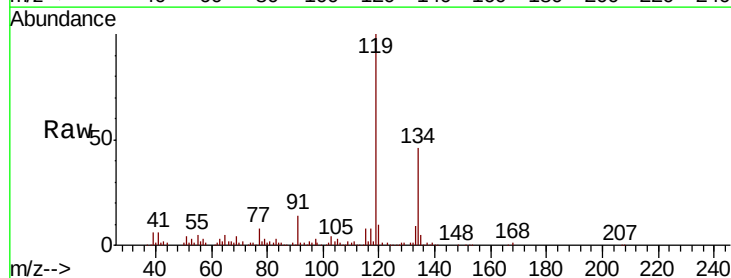
Tgt Ion: 75 Resp: 1443

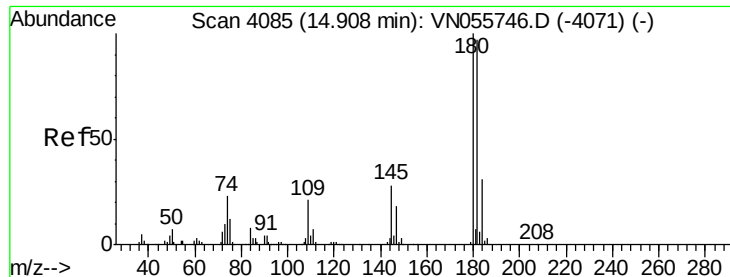
Ion Ratio Lower Upper

75 100

155 0.0 50.0 150.1#

157 0.0 64.8 194.3#

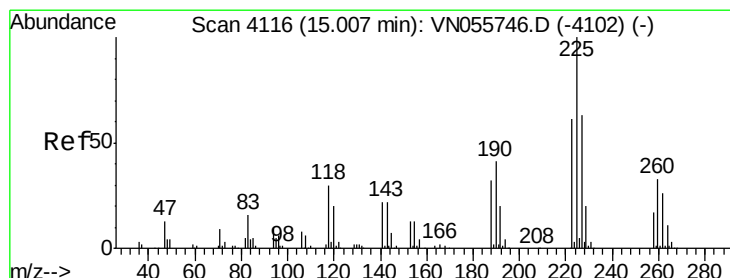
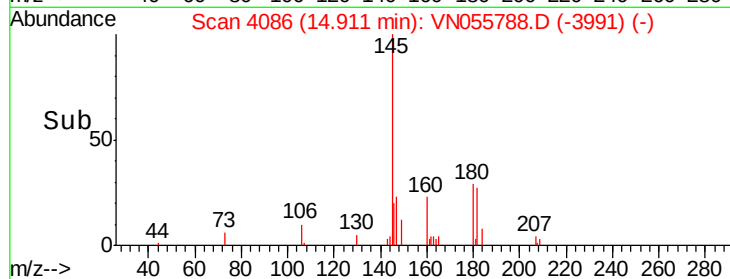
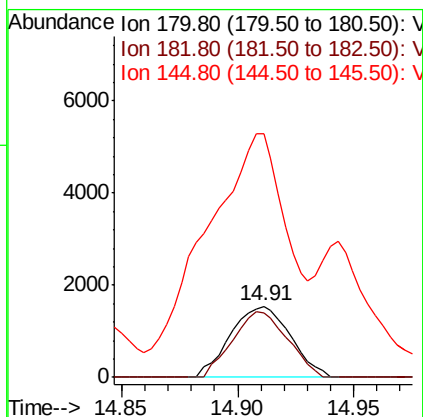
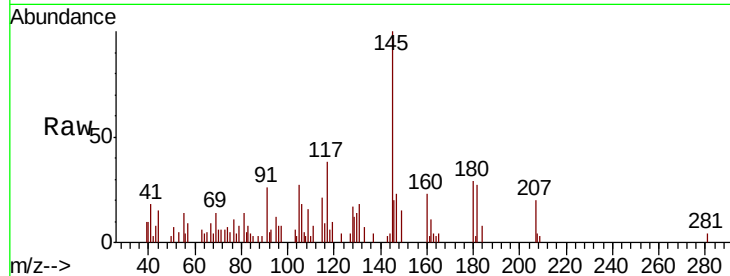




#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.225 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

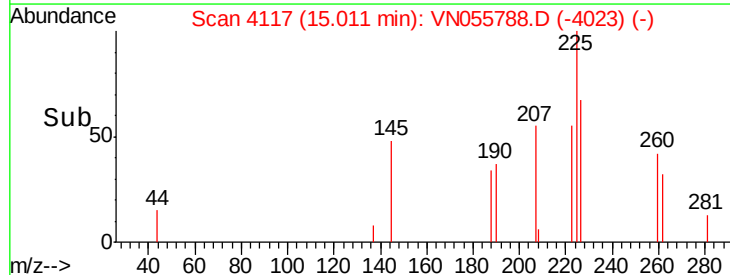
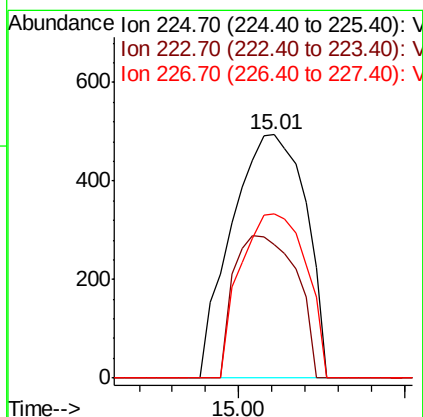
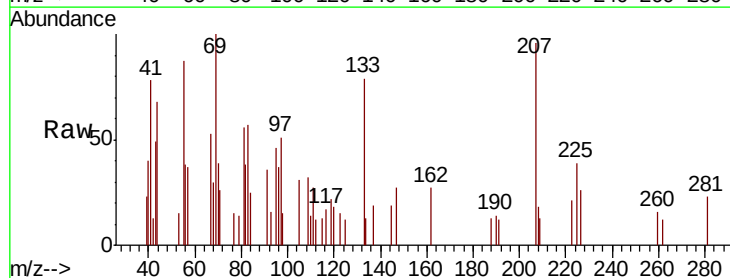
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 EP1-W-2R(14-17)

Tgt Ion:180 Resp: 2774  
 Ion Ratio Lower Upper  
 180 100  
 182 84.5 48.3 144.9  
 145 479.3 14.0 41.9#

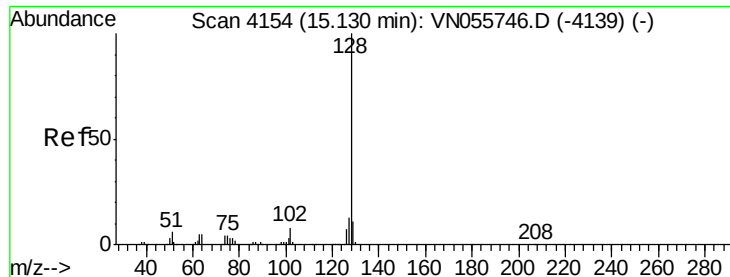


#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN055788.D  
 Acq: 24 May 2019 11:57

Tgt Ion:225 Resp: 768  
 Ion Ratio Lower Upper  
 225 100  
 223 49.2 30.9 92.7  
 227 59.8 31.6 94.7



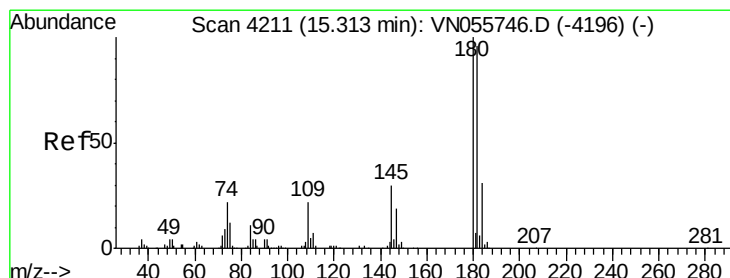
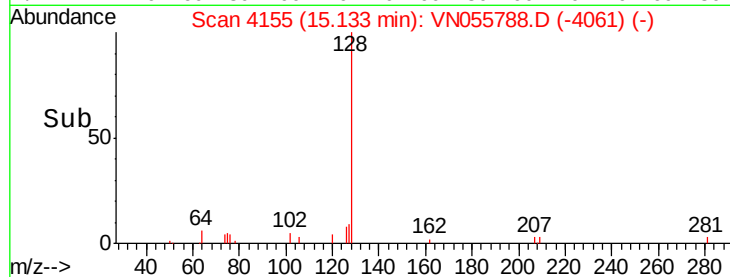
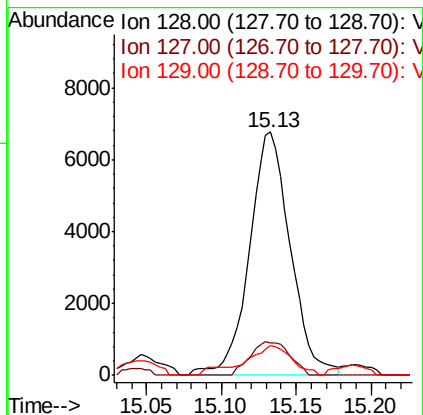
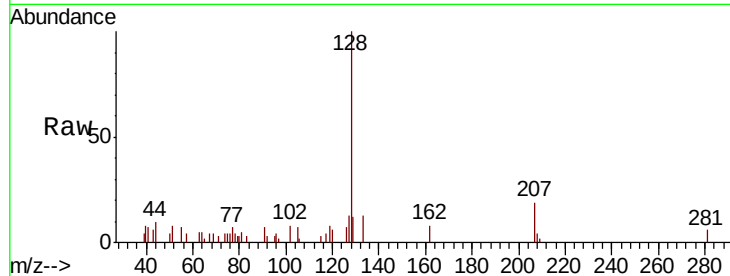




#95  
Naphthalene  
Concen: 1.234 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-W-2R(14-17)

Tgt Ion:128 Resp: 12874  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.3 15.5  
129 12.0 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 0.800 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN055788.D  
Acq: 24 May 2019 11:57

Tgt Ion:180 Resp: 3215  
Ion Ratio Lower Upper  
180 100  
182 93.7 47.9 143.7  
145 46.3 14.9 44.7#

