

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN081619\  
 Data File : VN057334.D  
 Acq On : 15 Aug 2019 16:16  
 Operator : JC/SP  
 Sample : K4264-13  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

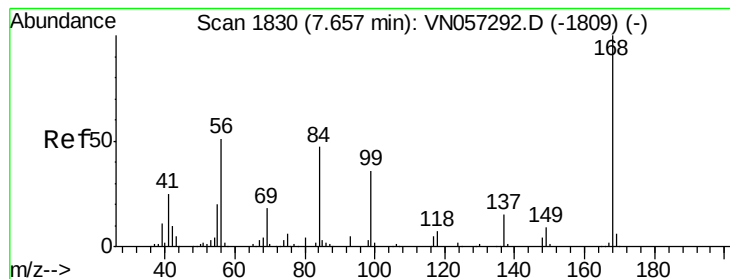
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-G2-(2)

Quant Time: Aug 16 02:01:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 15 11:33:14 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) Pentafluorobenzene          | 7.66  | 168  | 1109485  | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.58  | 114  | 1581968  | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 11.41 | 117  | 1332879  | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.35 | 152  | 357335   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 33) 1,2-Dichloroethane-d4      | 8.02  | 65   | 530168   | 43.96     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 87.92% |          |
| 35) Dibromofluoromethane       | 7.58  | 113  | 469812   | 45.30     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 90.60% |          |
| 50) Toluene-d8                 | 10.09 | 98   | 1851568  | 48.82     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 97.64% |          |
| 62) 4-Bromofluorobenzene       | 12.40 | 95   | 496172   | 37.02     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 74.04% |          |
| Target Compounds               |       |      |          |           |        |          |
|                                |       |      |          |           | Qvalue |          |
| 8) Diethyl Ether               | 3.40  | 74   | 3297     | 0.527     | ug/l   | 98       |
| 11) Tert butyl alcohol         | 4.77  | 59   | 661      | 0.385     | ug/l # | 73       |
| 16) Acetone                    | 3.81  | 43   | 18899    | 4.517     | ug/l   | 94       |
| 18) Methyl Acetate             | 4.32  | 43   | 32249    | 0.489     | ug/l # | 67       |
| 20) Methylene Chloride         | 4.55  | 84   | 21150    | 1.807     | ug/l   | 97       |
| 25) 2-Butanone                 | 6.83  | 43   | 1386     | 0.229     | ug/l # | 48       |
| 29) Tetrahydrofuran            | 7.21  | 42   | 1387     | 0.362     | ug/l # | 46       |
| 31) Cyclohexane                | 7.65  | 56   | 17007    | 1.035     | ug/l # | 1        |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 67133    | 4.806     | ug/l # | 48       |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 94482    | 6.510     | ug/l # | 15       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 208452   | 9.039     | ug/l # | 81       |
| 45) 1,2-Dichloropropane        | 9.26  | 63   | 3091     | 0.281     | ug/l # | 44       |
| 48) Methyl methacrylate        | 9.17  | 41   | 8718     | 0.925     | ug/l # | 11       |
| 49) 1,4-Dioxane                | 9.26  | 88   | 367      | 1.852     | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 9932     | 0.842     | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 72413    | 4.171     | ug/l # | 61       |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 11912    | 0.682     | ug/l # | 43       |
| 59) 2-Hexanone                 | 10.76 | 43   | 145192   | 17.112    | ug/l # | 49       |
| 73) Isopropylbenzene           | 12.25 | 105  | 323      | Below Cal | #      | 49       |
| 74) N-amyl acetate             | 12.03 | 43   | 4042     | 0.390     | ug/l # | 42       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.40 | 83   | 110      | Below Cal | #      | 1        |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 232166   | 32.338    | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 137      | Below Cal | #      | 1        |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 211      | Below Cal |        | 93       |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 1849     | Below Cal |        | 88       |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 232166   | 79.225    | ug/l # | 15       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 60       | Below Cal | #      | 28       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 277      | Below Cal | #      | 55       |
| 93) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 76       | 5.370     | ug/l # | 43       |
| 95) Naphthalene                | 15.12 | 128  | 619      | Below Cal | #      | 69       |
| 96) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 443      | Below Cal | #      | 77       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Instrument :

MSVOA\_N

ClientSampleId :

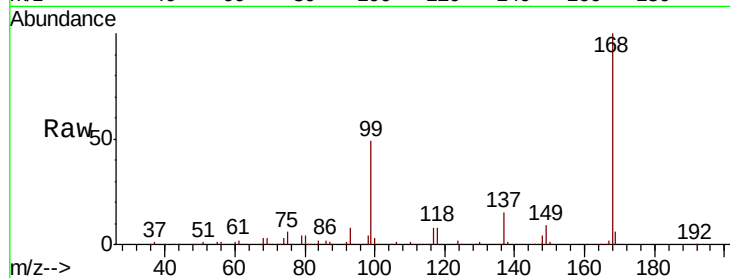
REACTOR-3-G2-(2)

Tgt Ion:168 Resp: 1109485

Ion Ratio Lower Upper

168 100

99 49.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057292.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057292.D (-1809) (-)

7.66

500000

400000

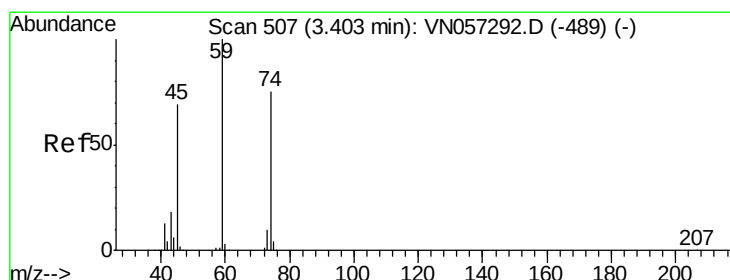
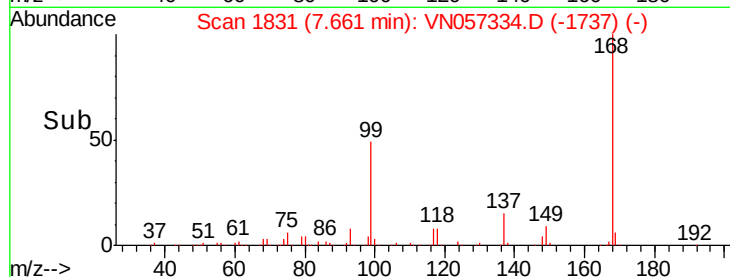
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 0.527 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.00 min

Lab File: VN057334.D

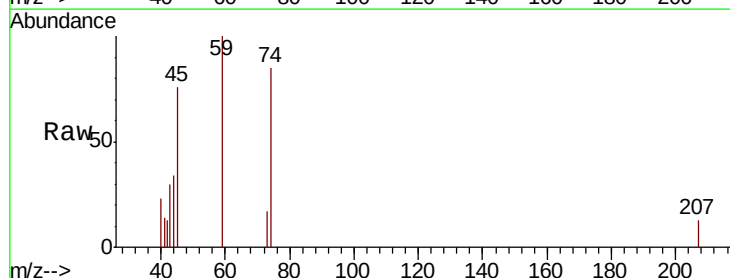
Acq: 15 Aug 2019 16:16

Tgt Ion: 74 Resp: 3297

Ion Ratio Lower Upper

74 100

45 93.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VN057292.D (-489) (-)

Ion 45.00 (44.70 to 45.70): VN057292.D (-489) (-)

3.40

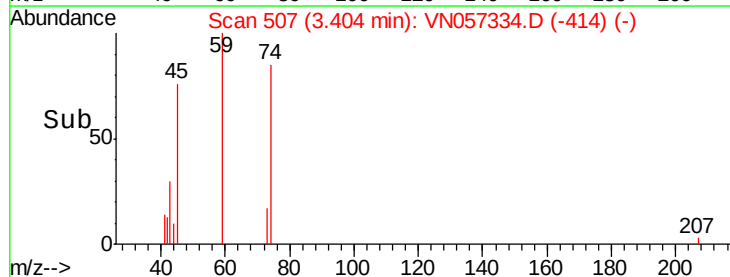
1500

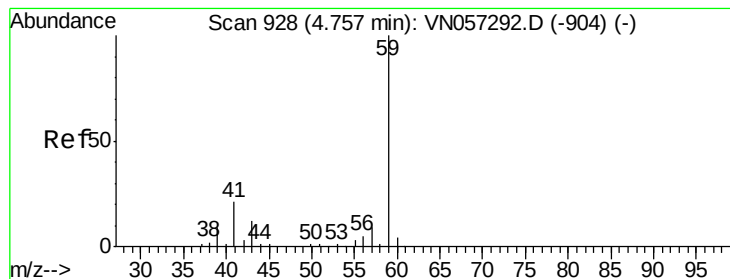
1000

500

0

Time--> 3.35 3.40 3.45



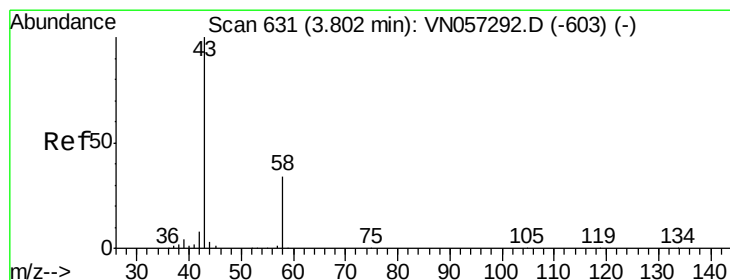
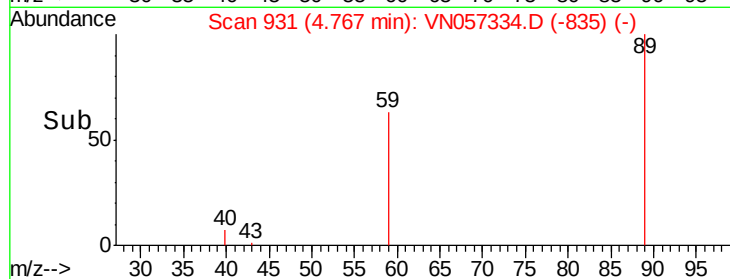
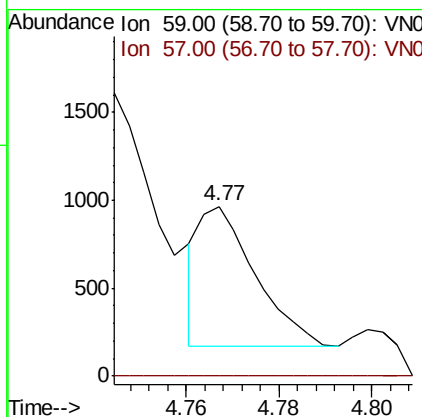
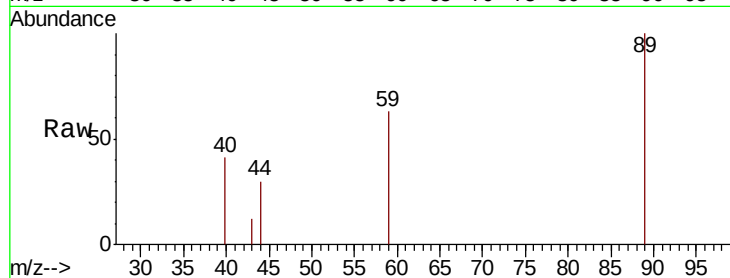


#11

Tert butyl alcohol  
 Concen: 0.385 ug/l  
 RT: 4.77 min Scan# 931  
 Delta R.T. 0.01 min  
 Lab File: VN057334.D  
 Acq: 15 Aug 2019 16:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-G2-(2)

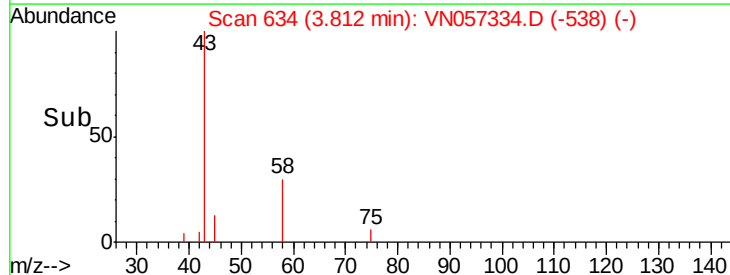
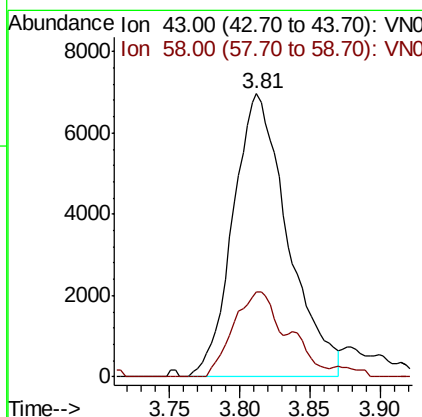
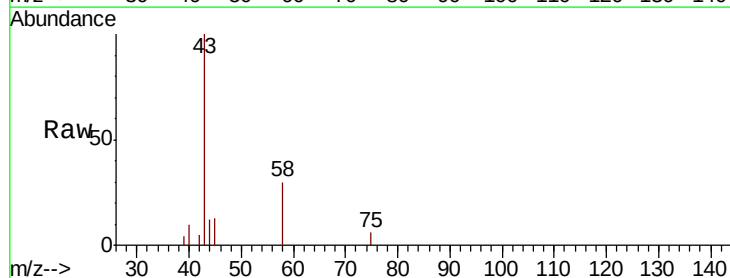
Tgt Ion: 59 Resp: 661  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.2 12.2#

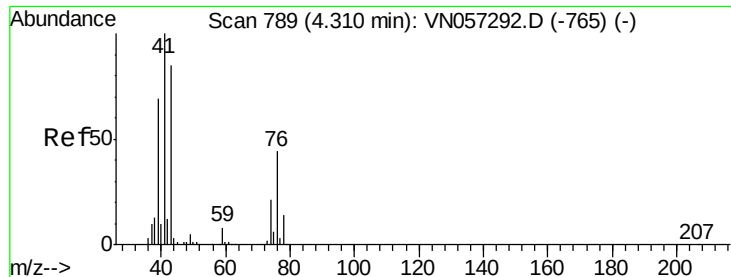


#16

Acetone  
 Concen: 4.517 ug/l  
 RT: 3.81 min Scan# 634  
 Delta R.T. 0.01 min  
 Lab File: VN057334.D  
 Acq: 15 Aug 2019 16:16

Tgt Ion: 43 Resp: 18899  
 Ion Ratio Lower Upper  
 43 100  
 58 30.1 27.0 40.6

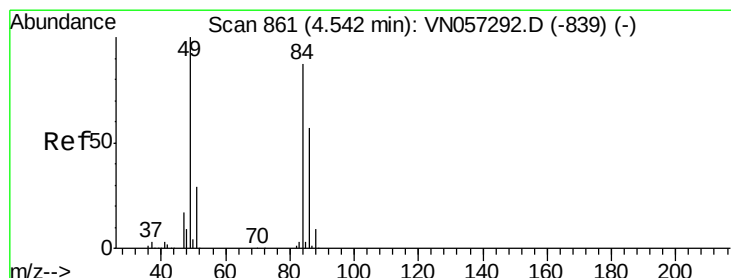
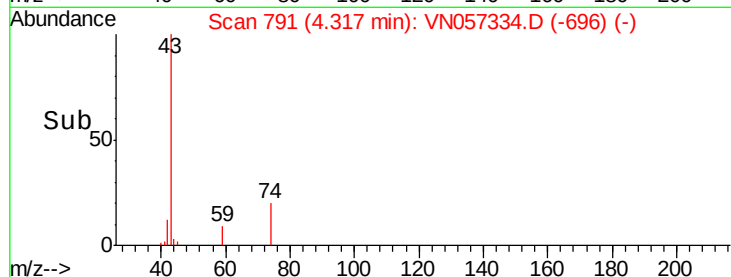
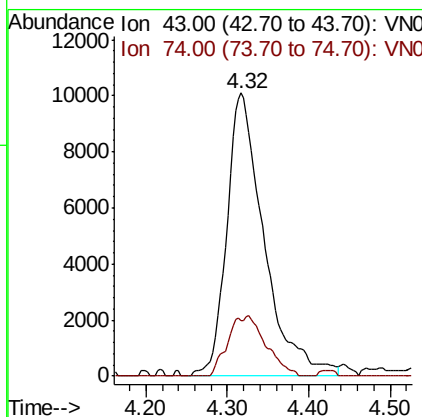
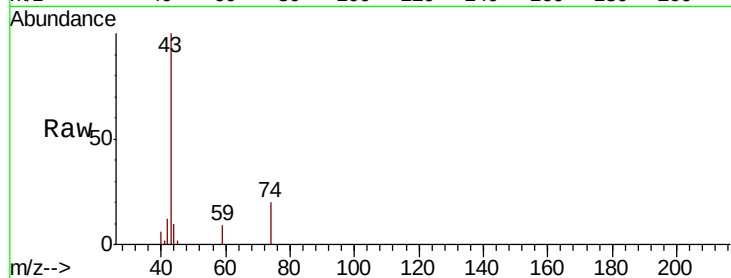




#18  
Methyl Acetate  
Concen: 0.489 ug/l  
RT: 4.32 min Scan# 791  
Delta R.T. 0.01 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

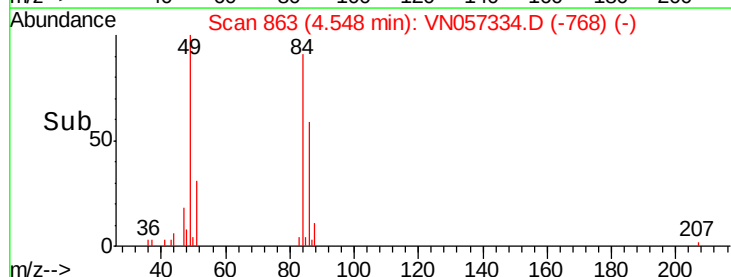
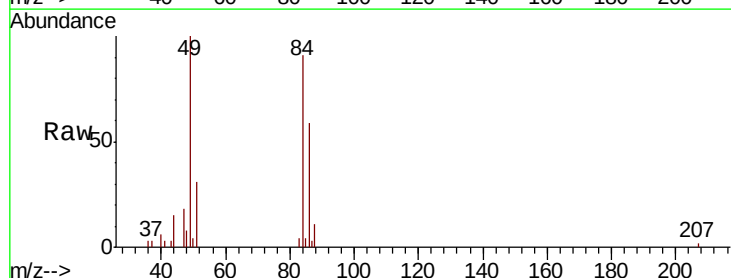
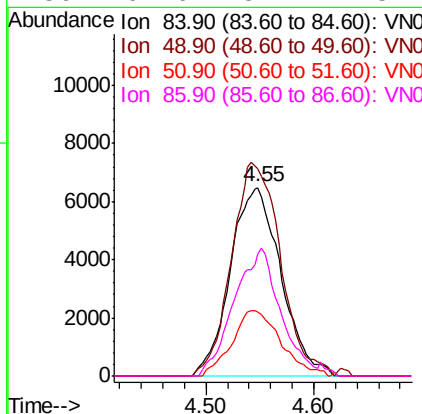
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-G2-(2)

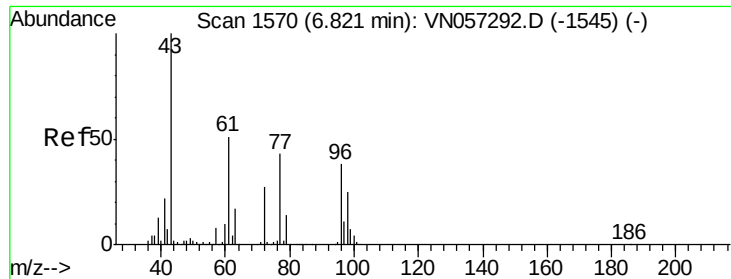
Tgt Ion: 43 Resp: 32249  
Ion Ratio Lower Upper  
43 100  
74 8.6 20.2 30.2#



#20  
Methylene Chloride  
Concen: 1.807 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.01 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

Tgt Ion: 84 Resp: 21150  
Ion Ratio Lower Upper  
84 100  
49 109.6 92.0 138.0  
51 34.1 27.1 40.7  
86 64.6 52.2 78.2





#25

2-Butanone

Concen: 0.229 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Instrument :

MSVOA\_N

ClientSampleId :

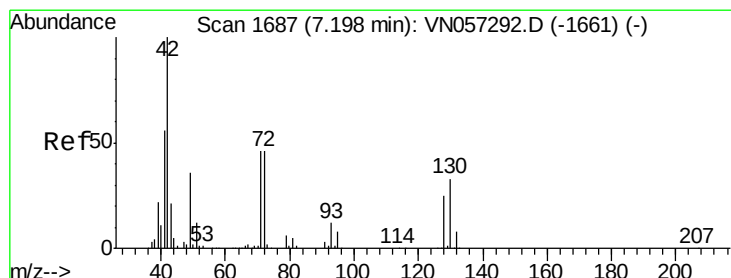
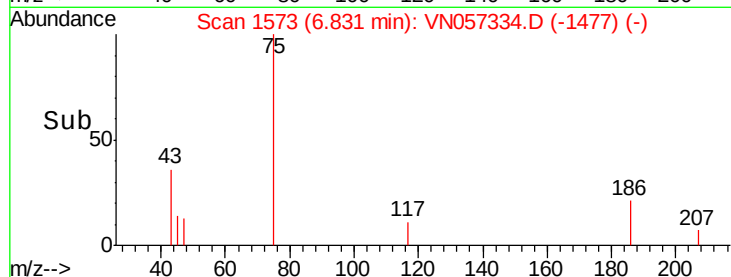
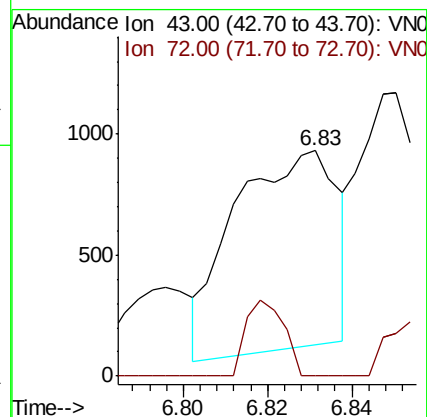
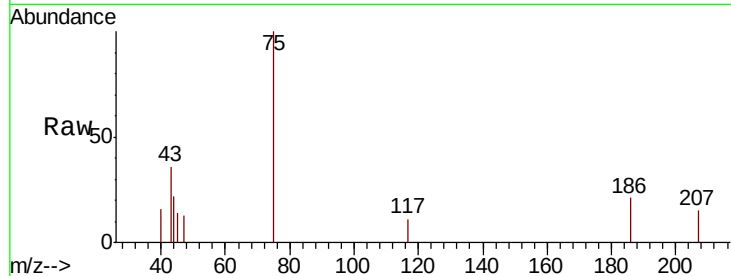
REACTOR-3-G2-(2)

Tgt Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.362 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

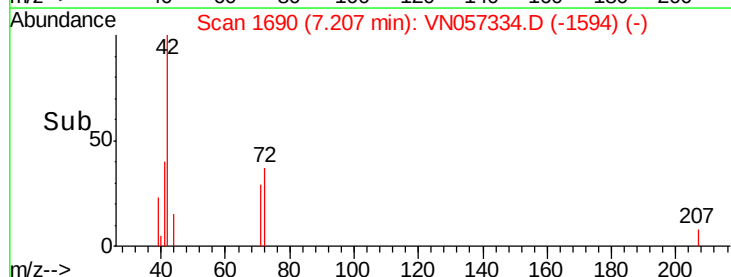
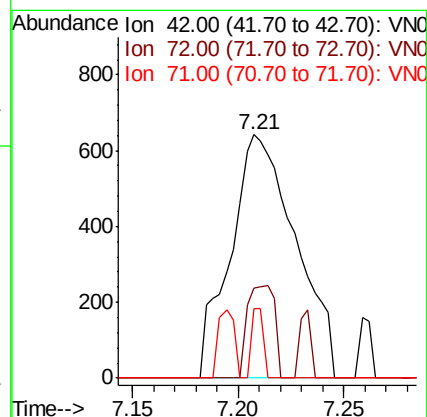
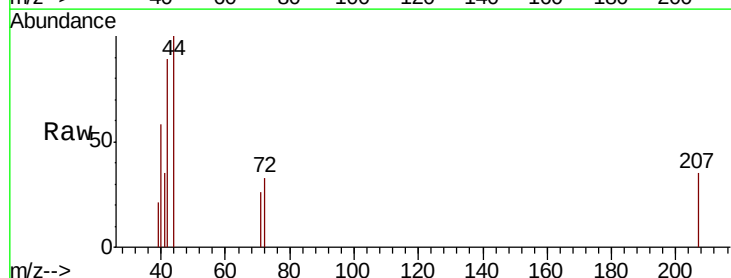
Tgt Ion: 42 Resp: 1387

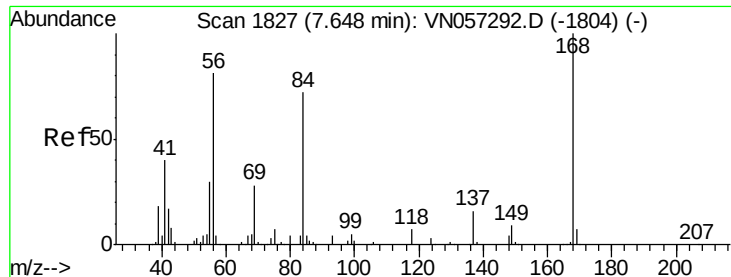
Ion Ratio Lower Upper

42 100

72 15.7 37.8 56.6#

71 5.1 35.7 53.5#

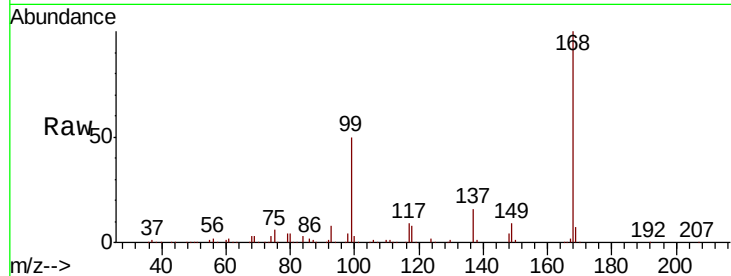




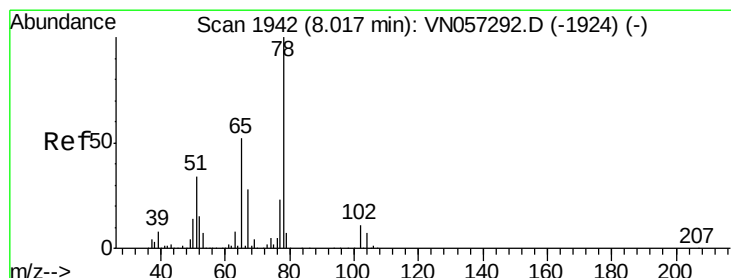
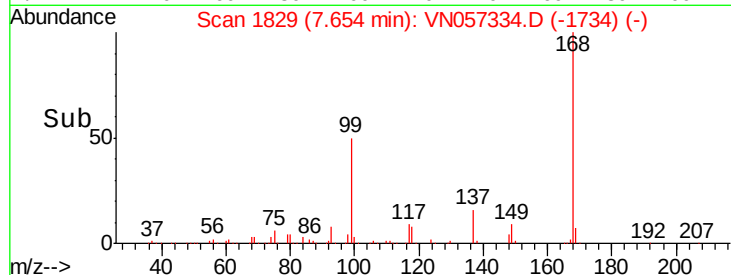
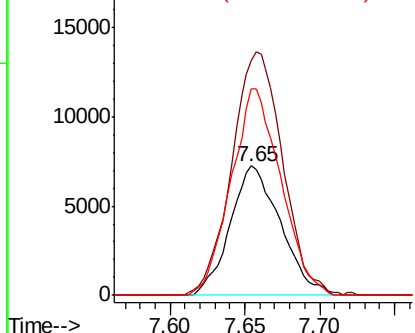
#31  
Cyclohexane  
Concen: 1.035 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.01 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-G2-(2)

Tgt Ion: 56 Resp: 17007  
Ion Ratio Lower Upper  
56 100  
69 179.3 27.3 40.9#  
84 159.5 71.0 106.6#

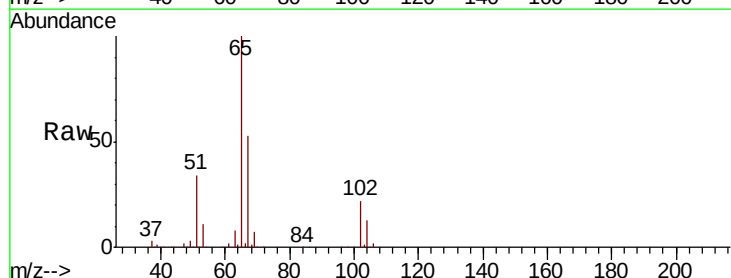


Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO

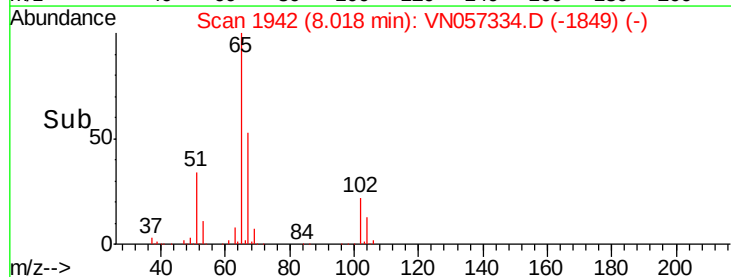
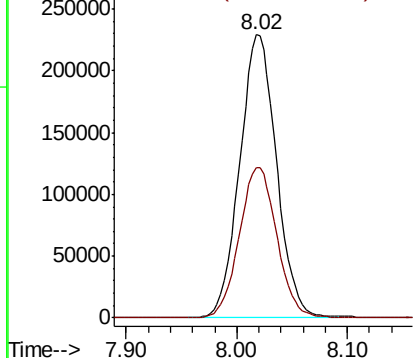


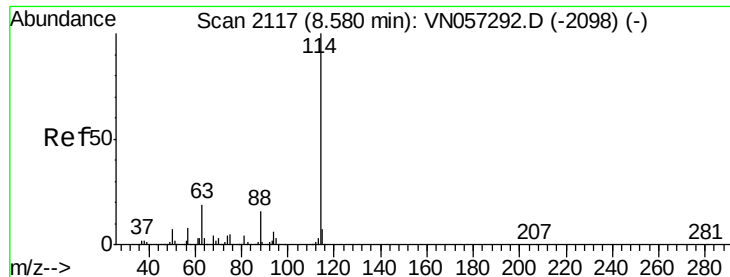
#33  
1,2-Dichloroethane-d4  
Concen: 43.956 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. 0.00 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

Tgt Ion: 65 Resp: 530168  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 107.4



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

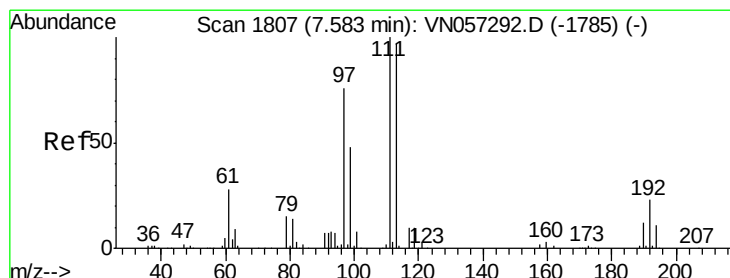
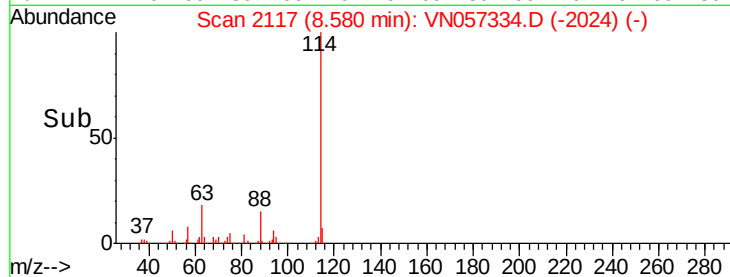
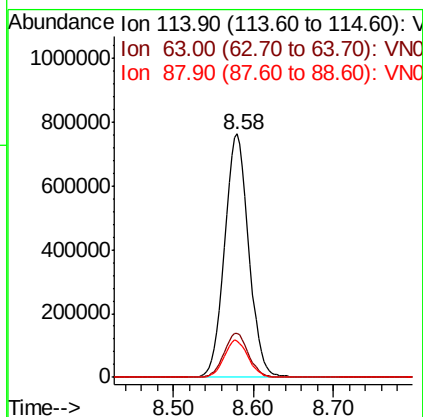
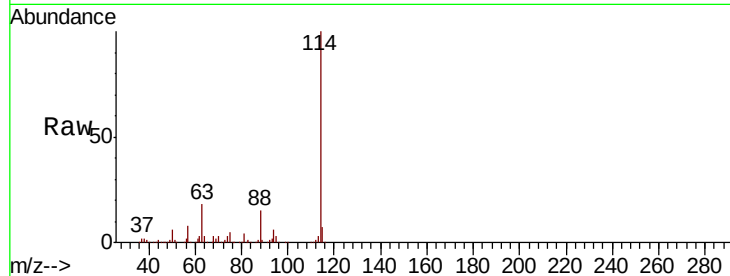




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2117  
 Delta R.T. 0.00 min  
 Lab File: VN057334.D  
 Acq: 15 Aug 2019 16:16

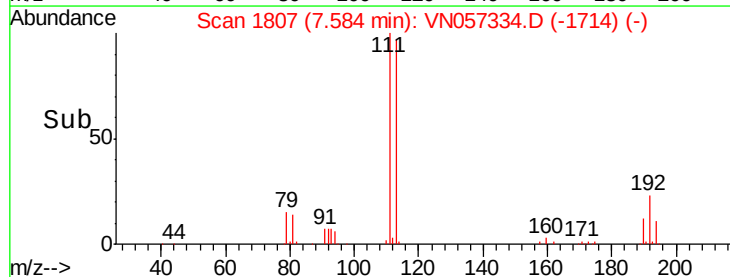
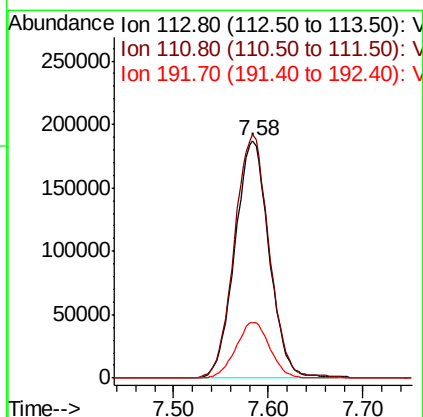
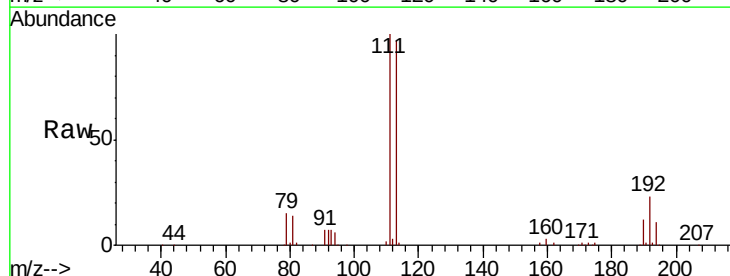
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-G2-(2)

Tgt Ion:114 Resp: 1581968  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 38.8  
 88 15.0 0.0 31.4

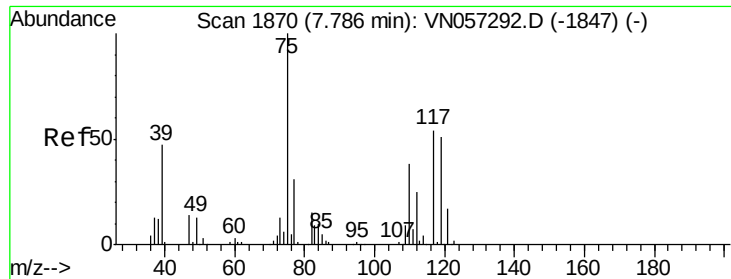


#35  
 Dibromofluoromethane  
 Concen: 45.304 ug/l  
 RT: 7.58 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN057334.D  
 Acq: 15 Aug 2019 16:16

Tgt Ion:113 Resp: 469812  
 Ion Ratio Lower Upper  
 113 100  
 111 104.6 82.1 123.1  
 192 23.5 19.3 28.9



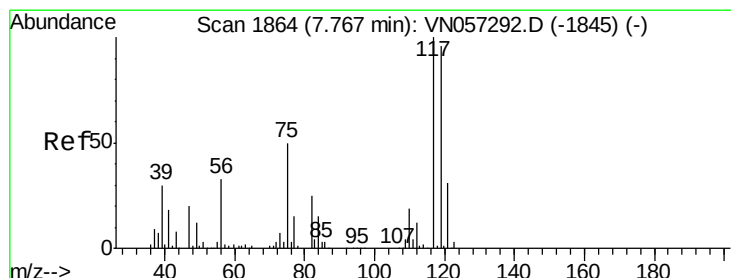
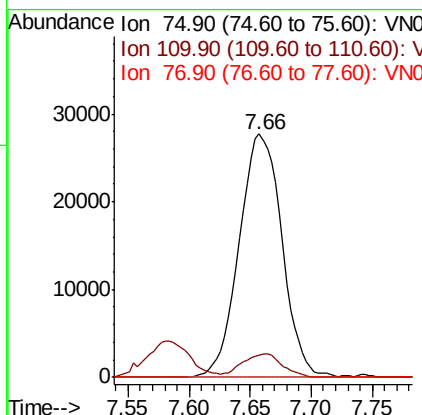
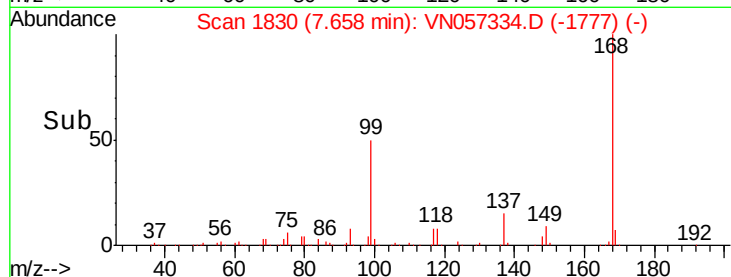
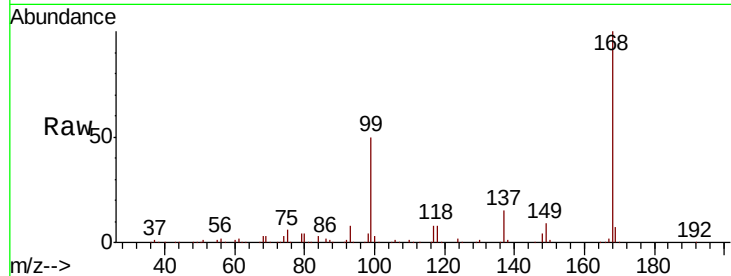




#36  
 1,1-Dichloropropene  
 Concen: 4.806 ug/l  
 RT: 7.66 min Scan# 1830  
 Delta R.T. -0.13 min  
 Lab File: VN057334.D  
 Acq: 15 Aug 2019 16:16

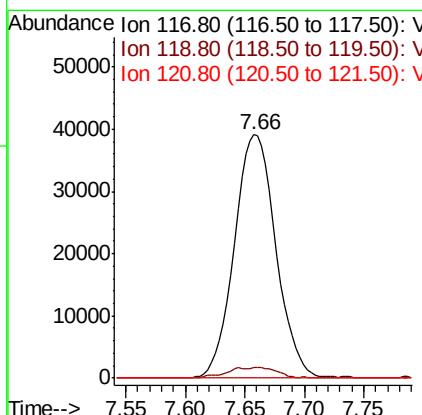
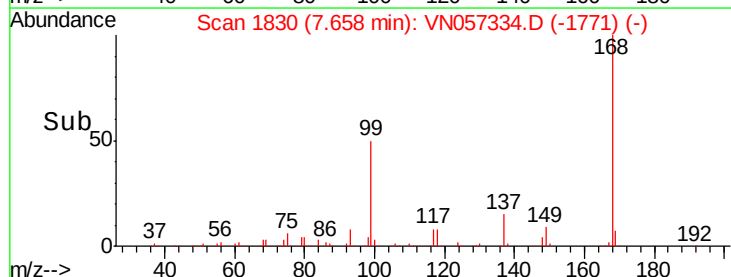
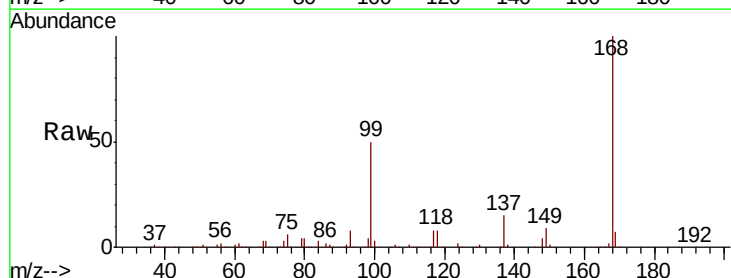
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-G2-(2)

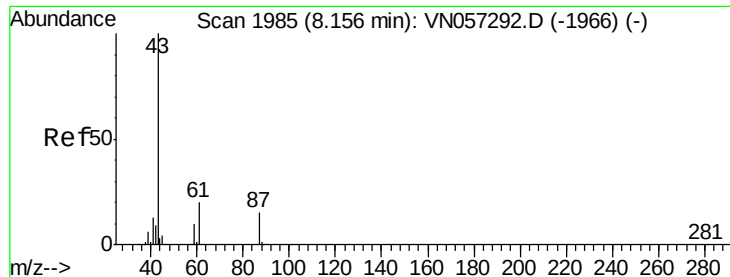
Tgt Ion: 75 Resp: 67133  
 Ion Ratio Lower Upper  
 75 100  
 110 9.2 19.5 58.5#  
 77 0.0 25.0 37.6#



#38  
 Carbon Tetrachloride  
 Concen: 6.510 ug/l  
 RT: 7.66 min Scan# 1830  
 Delta R.T. -0.11 min  
 Lab File: VN057334.D  
 Acq: 15 Aug 2019 16:16

Tgt Ion: 117 Resp: 94482  
 Ion Ratio Lower Upper  
 117 100  
 119 4.3 76.8 115.2#  
 121 0.0 25.0 37.4#





#43

Isopropyl Acetate

Concen: 9.039 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-G2-(2)

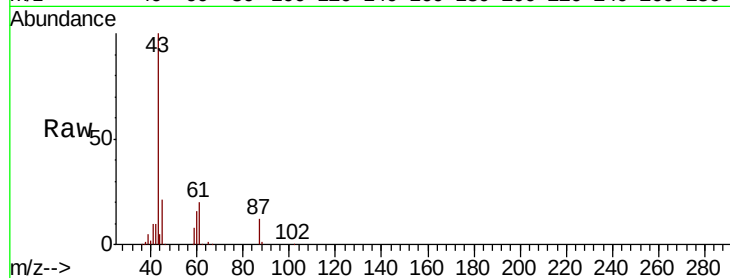
Tgt Ion: 43 Resp: 208452

Ion Ratio Lower Upper

43 100

61 15.1 21.6 32.4#

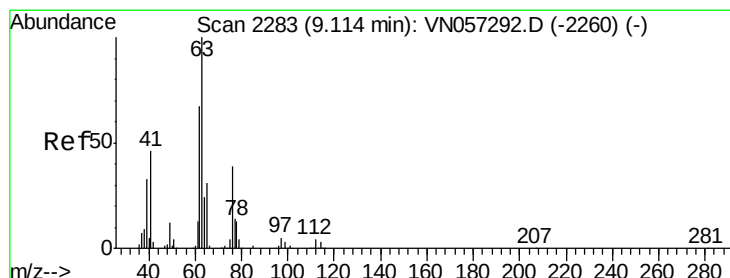
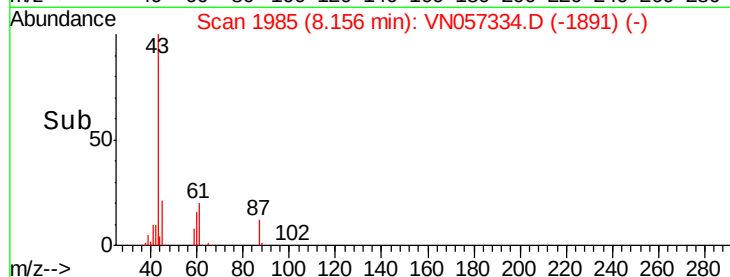
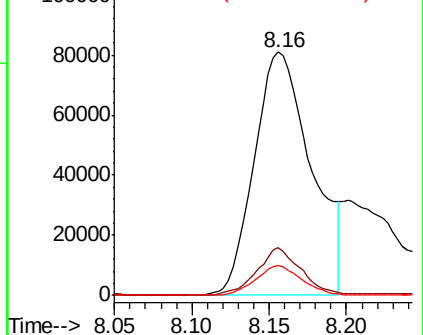
87 10.1 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.281 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN057334.D

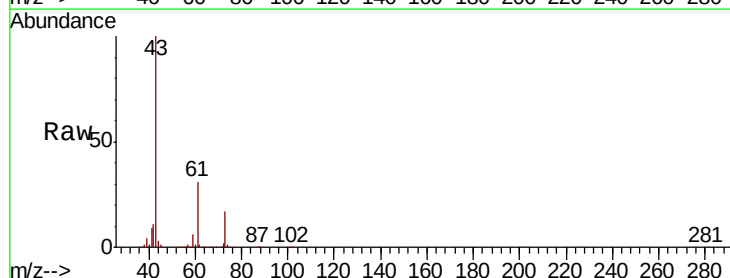
Acq: 15 Aug 2019 16:16

Tgt Ion: 63 Resp: 3091

Ion Ratio Lower Upper

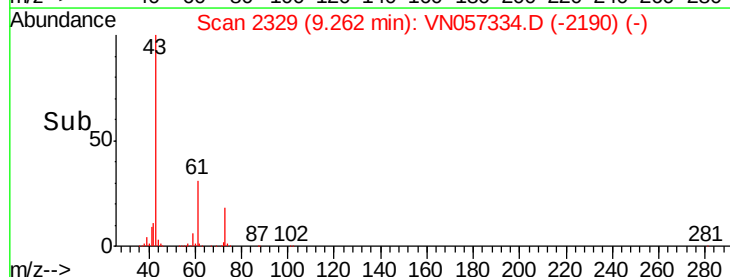
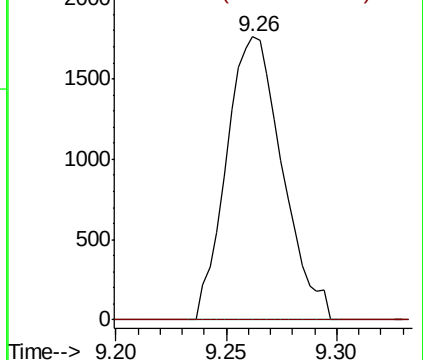
63 100

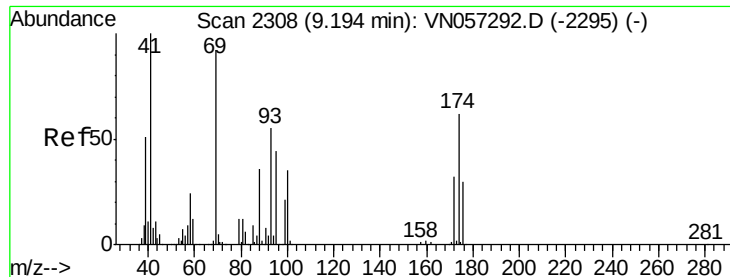
65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

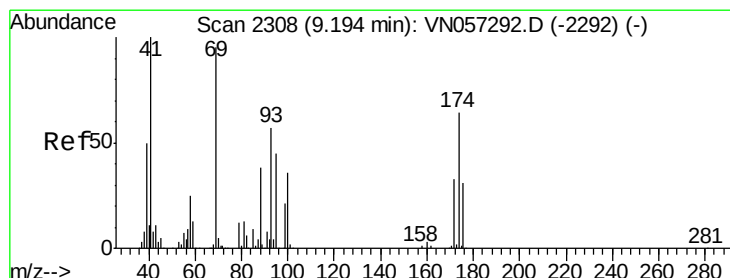
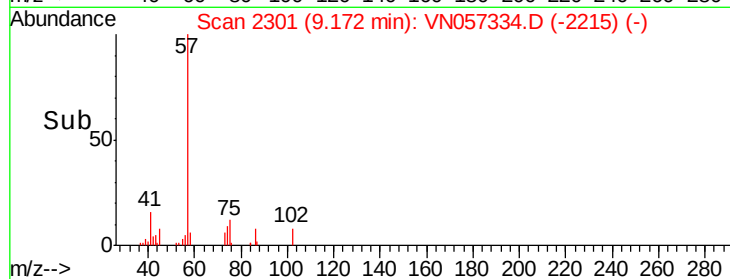
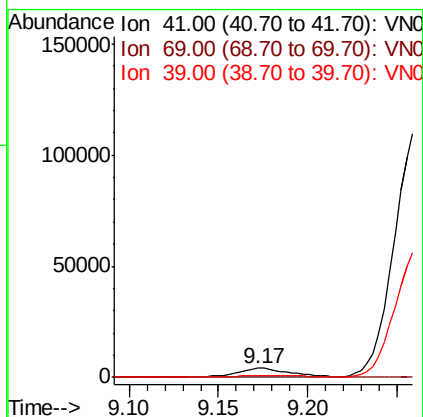
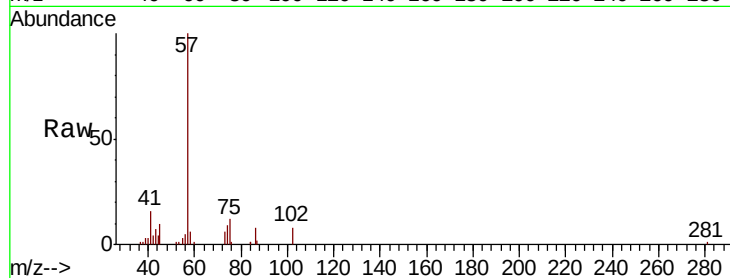




#48  
Methyl methacrylate  
Concen: 0.925 ug/l  
RT: 9.17 min Scan# 2301  
Delta R.T. -0.02 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

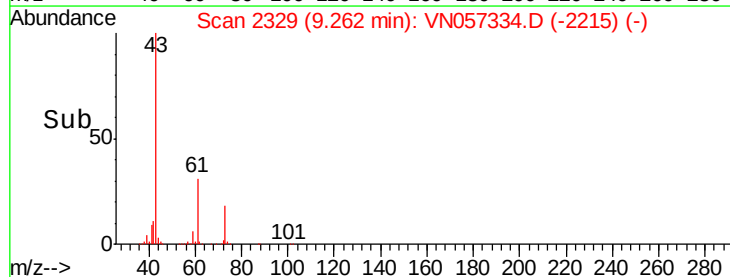
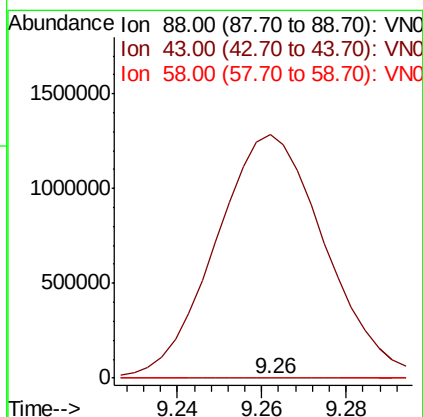
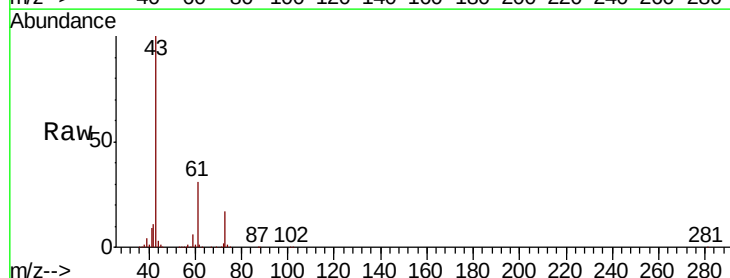
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-G2-(2)

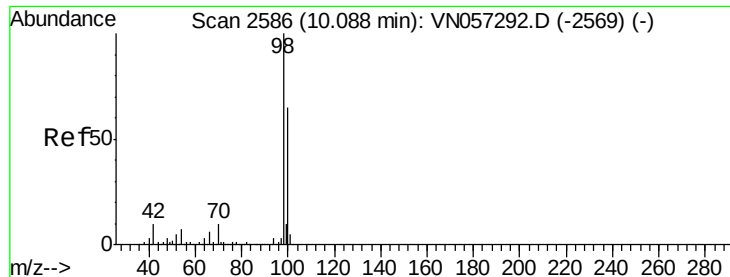
Tgt Ion: 41 Resp: 8718  
Ion Ratio Lower Upper  
41 100  
69 0.0 75.9 113.9#  
39 0.0 42.3 63.5#



#49  
1,4-Dioxane  
Concen: 1.852 ug/l  
RT: 9.26 min Scan# 2329  
Delta R.T. 0.07 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

Tgt Ion: 88 Resp: 367  
Ion Ratio Lower Upper  
88 100  
43 640378.7 22.9 34.3#  
58 2900.5 52.7 79.1#





#50

Toluene-d8

Concen: 48.817 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Instrument :

MSVOA\_N

ClientSampleId :

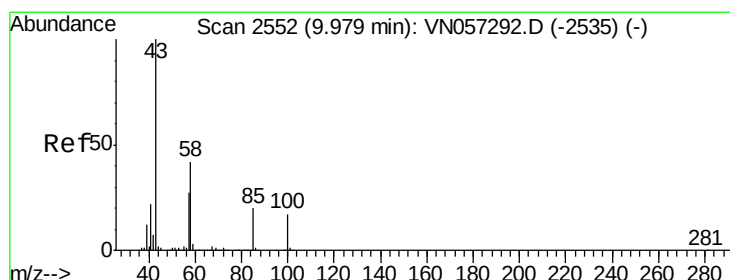
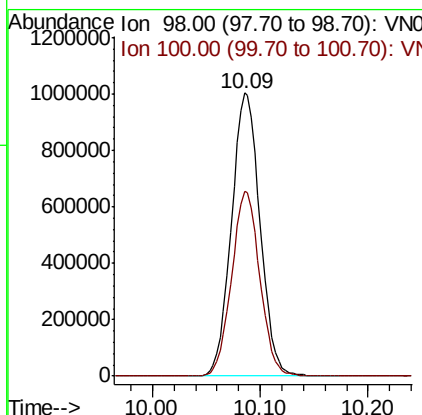
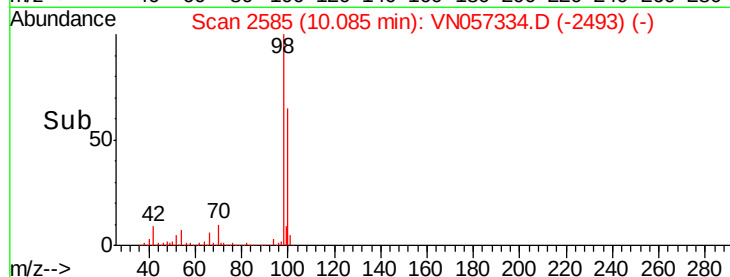
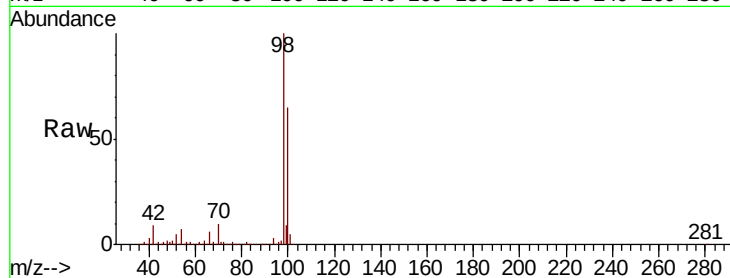
REACTOR-3-G2-(2)

Tgt Ion: 98 Resp: 1851568

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.842 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057334.D

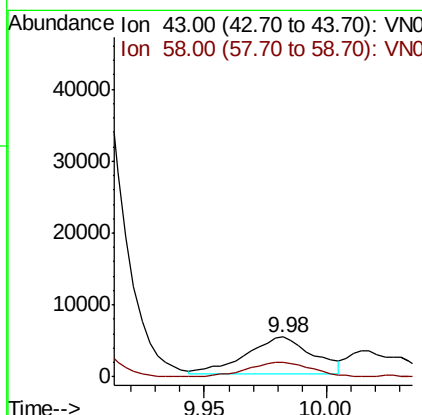
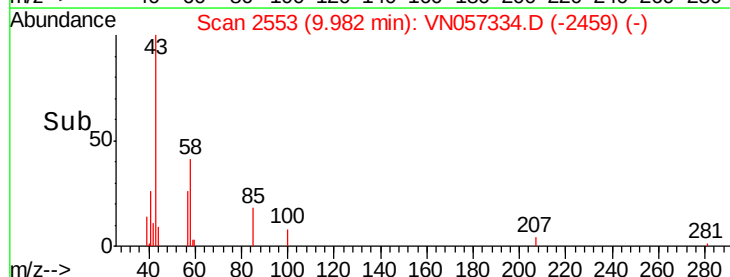
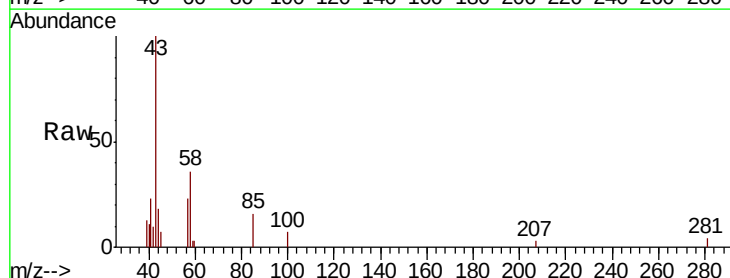
Acq: 15 Aug 2019 16:16

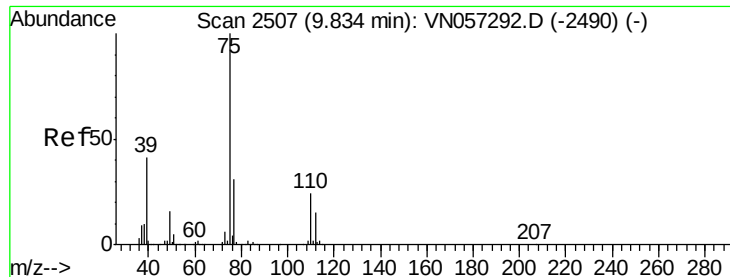
Tgt Ion: 43 Resp: 9932

Ion Ratio Lower Upper

43 100

58 36.7 33.2 49.8





#54

cis-1,3-Dichloropropene

Concen: 4.171 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-G2-(2)

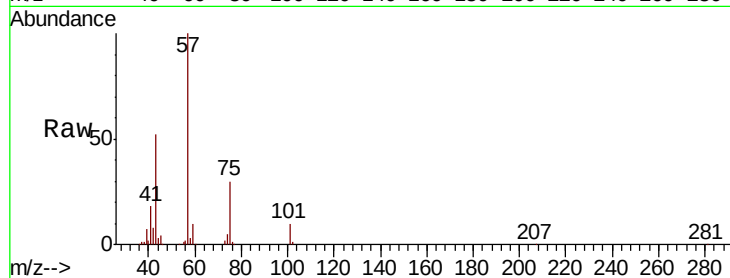
Tgt Ion: 75 Resp: 72413

Ion Ratio Lower Upper

75 100

77 0.5 24.9 37.3#

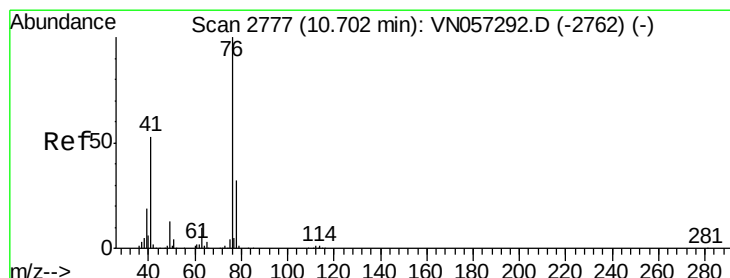
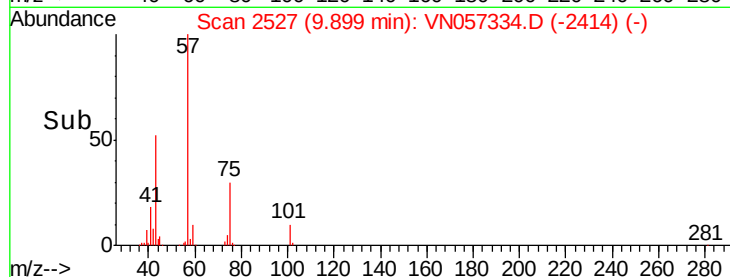
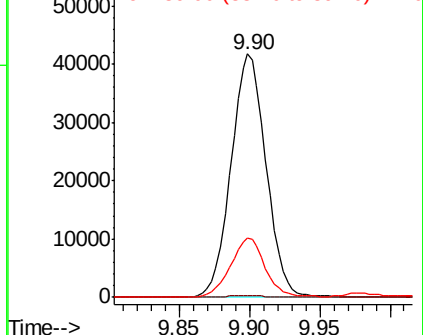
39 24.4 32.7 49.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropene

Concen: 0.682 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057334.D

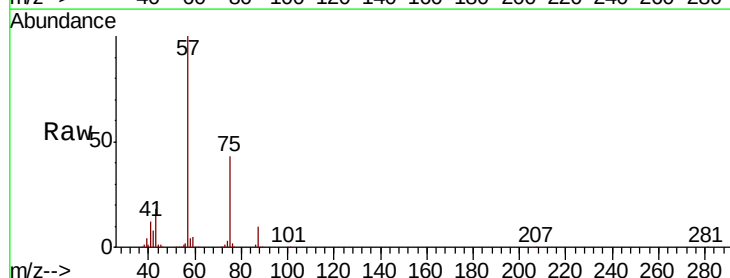
Acq: 15 Aug 2019 16:16

Tgt Ion: 76 Resp: 11912

Ion Ratio Lower Upper

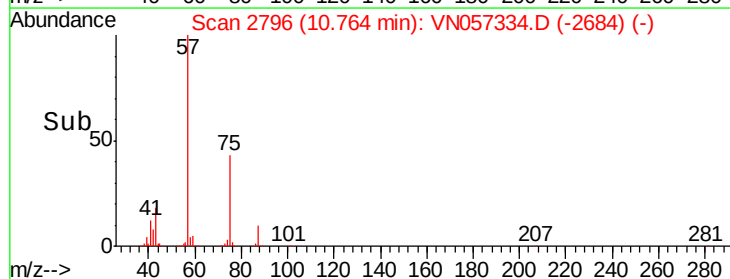
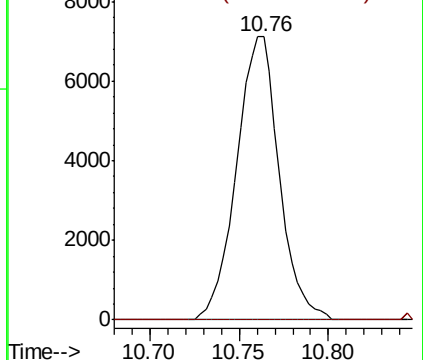
76 100

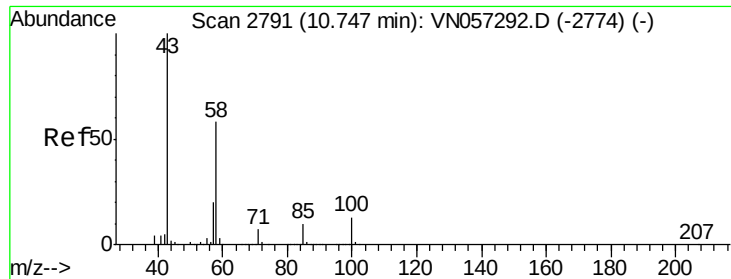
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

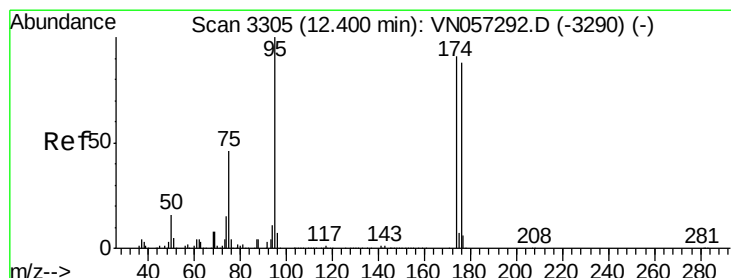
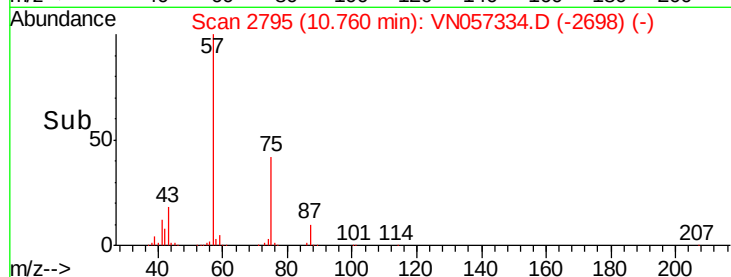
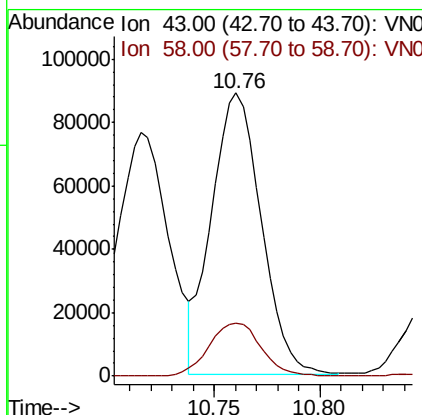
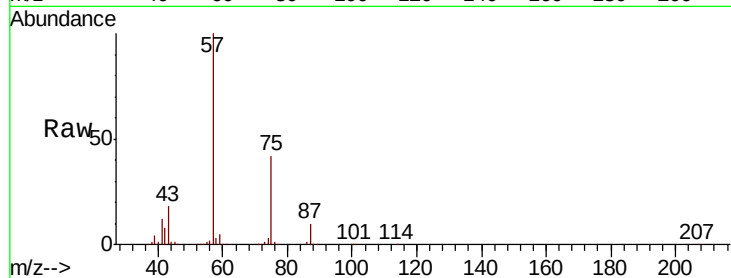




#59  
2-Hexanone  
Concen: 17.112 ug/l  
RT: 10.76 min Scan# 2795  
Delta R.T. 0.01 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

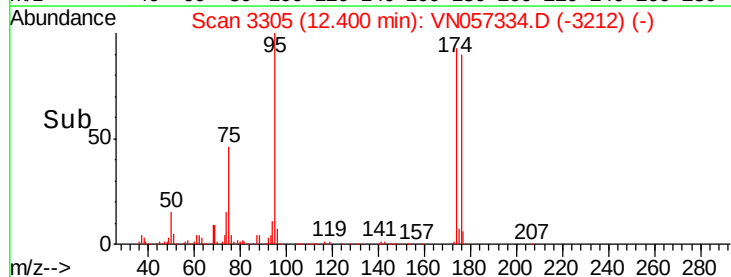
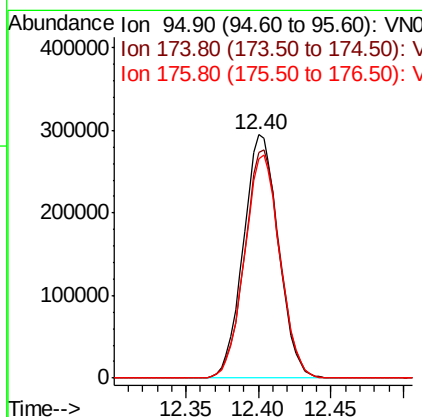
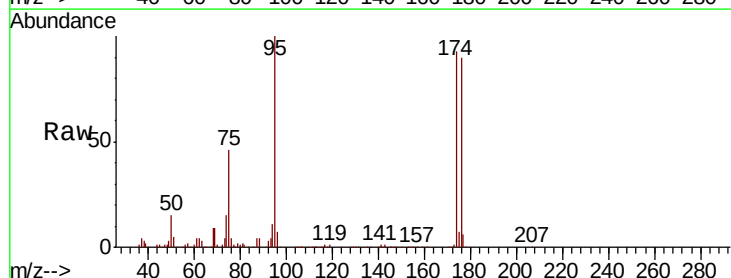
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-G2-(2)

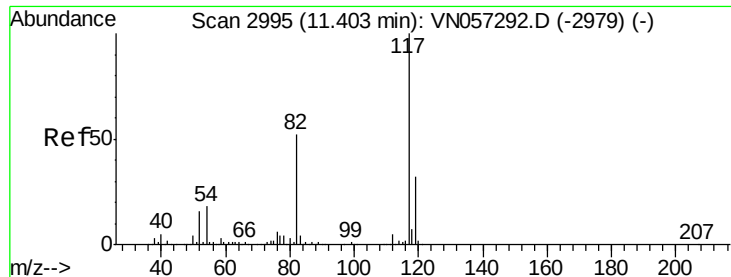
Tgt Ion: 43 Resp: 145192  
Ion Ratio Lower Upper  
43 100  
58 20.0 28.6 85.9#



#62  
4-Bromofluorobenzene  
Concen: 37.017 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

Tgt Ion: 95 Resp: 496172  
Ion Ratio Lower Upper  
95 100  
174 94.3 0.0 185.0  
176 92.2 0.0 181.0

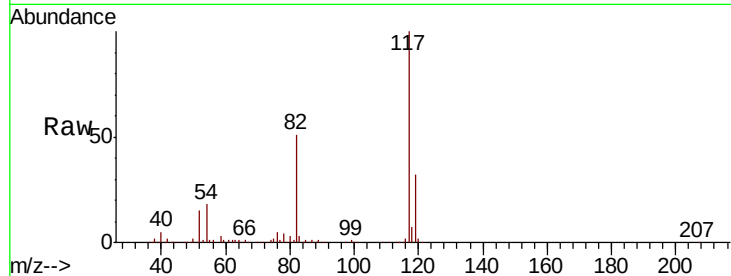




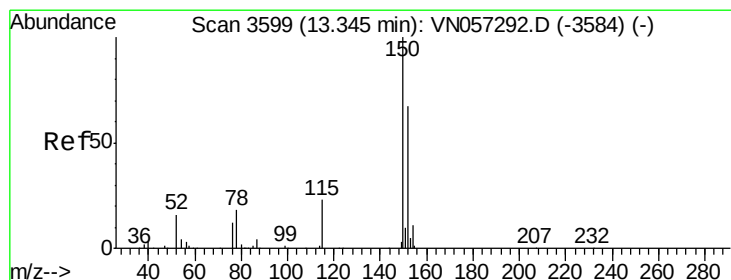
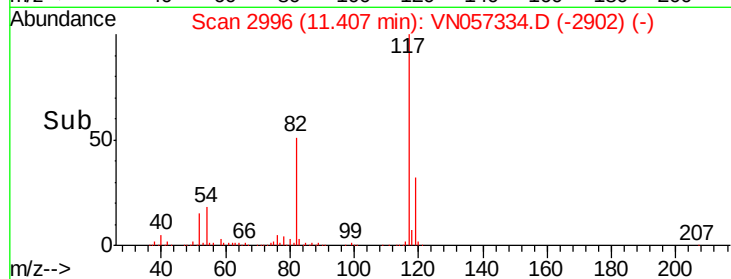
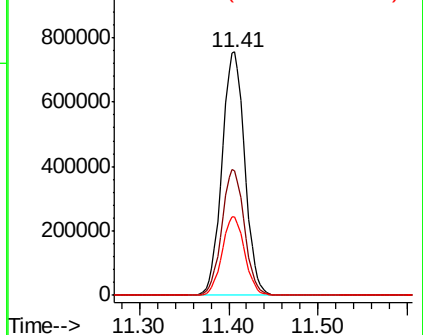
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-G2-(2)

Tgt Ion:117 Resp: 1332879  
Ion Ratio Lower Upper  
117 100  
82 51.1 41.2 61.8  
119 32.2 25.8 38.8

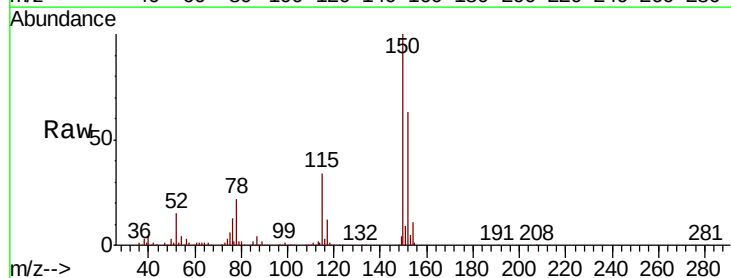


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

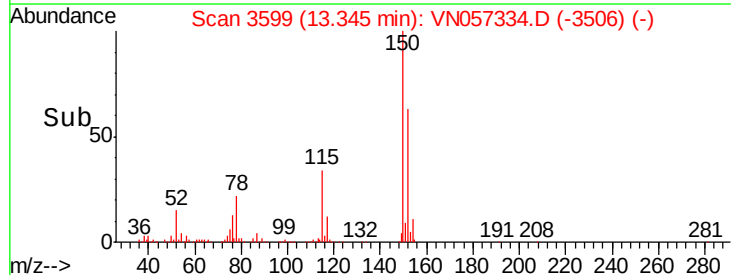
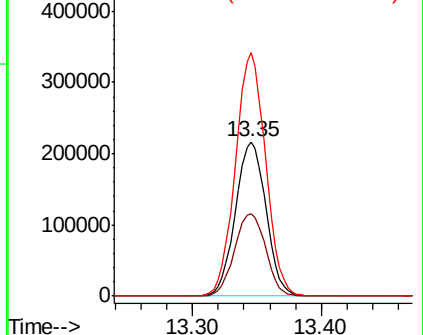


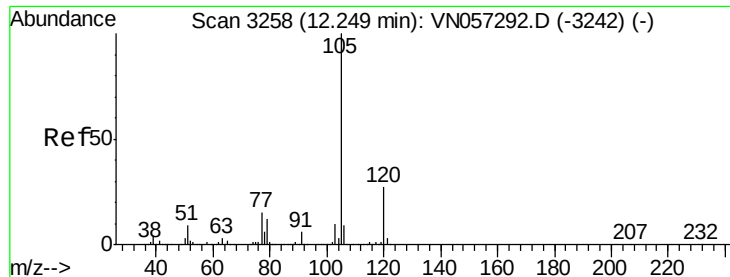
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

Tgt Ion:152 Resp: 357335  
Ion Ratio Lower Upper  
152 100  
115 54.3 27.3 81.9  
150 155.1 0.0 344.4



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: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Instrument :

MSVOA\_N

ClientSampleId :

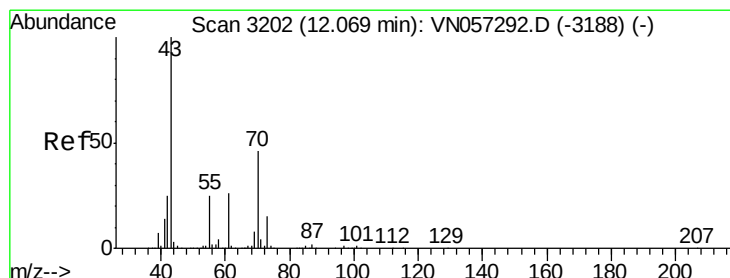
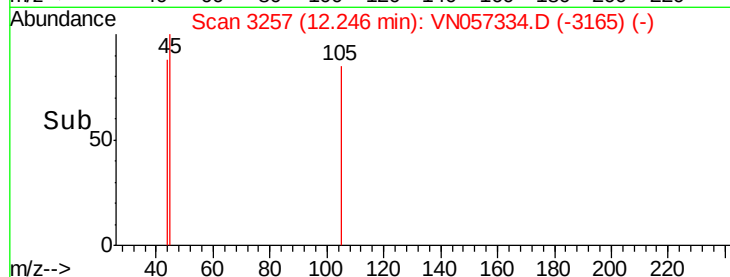
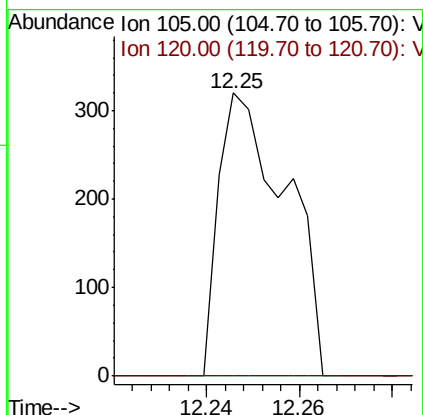
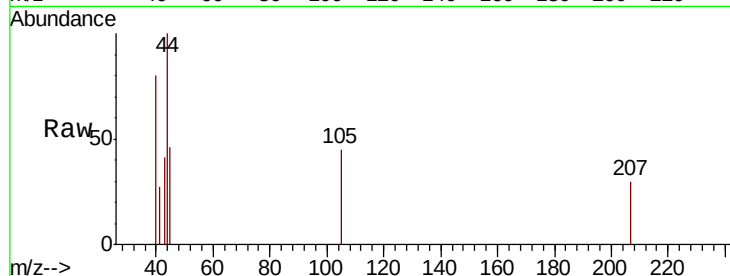
REACTOR-3-G2-(2)

Tgt Ion: 105 Resp: 323

Ion Ratio Lower Upper

105 100

120 0.0 13.2 39.6#



#74

N-amyl acetate

Concen: 0.390 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Tgt Ion: 43 Resp: 4042

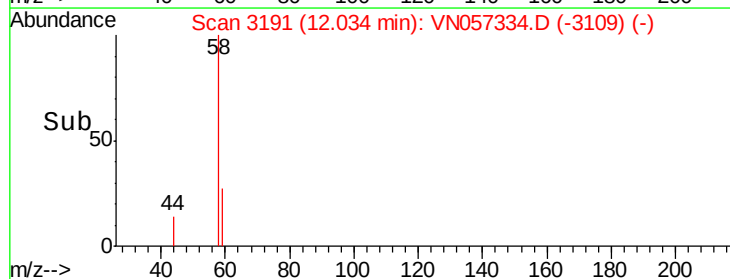
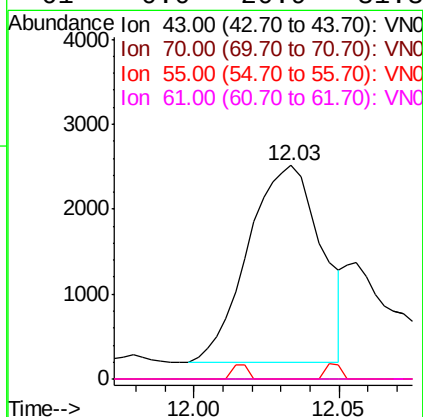
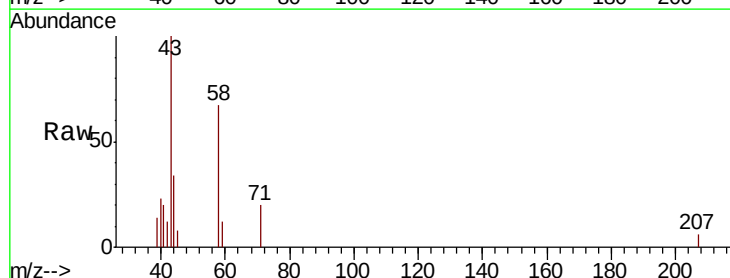
Ion Ratio Lower Upper

43 100

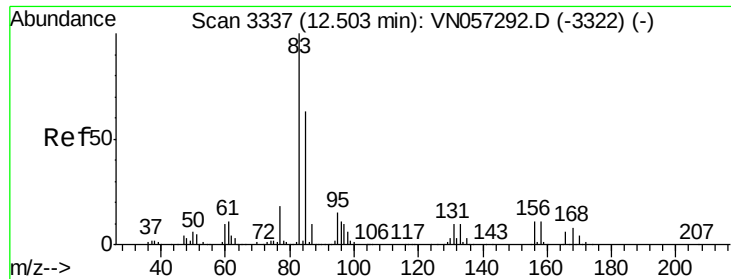
70 0.0 36.2 54.2#

55 1.7 20.1 30.1#

61 0.0 20.9 31.3#







#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-G2-(2)

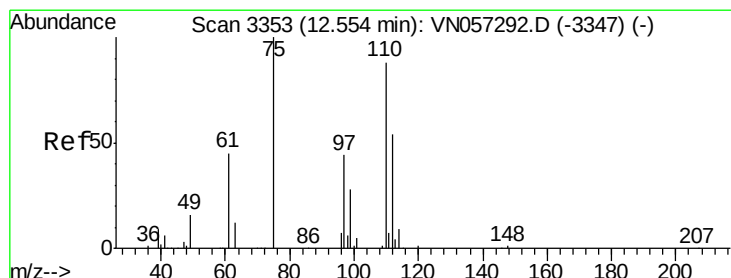
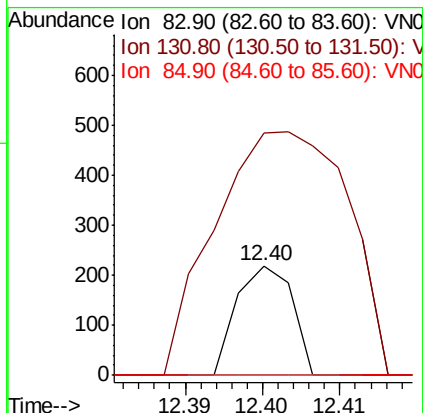
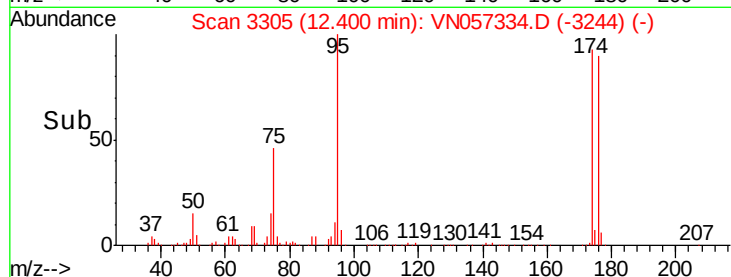
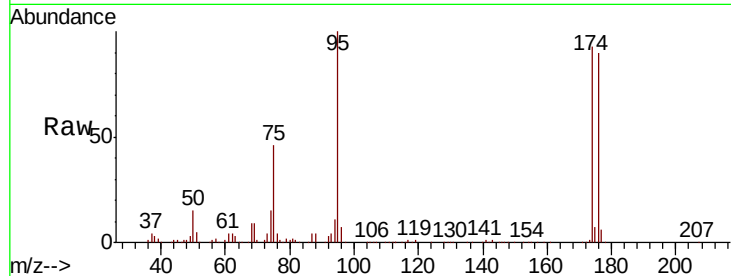
Tgt Ion: 83 Resp: 110

Ion Ratio Lower Upper

83 100

131 530.0 5.4 16.2#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 32.338 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057334.D

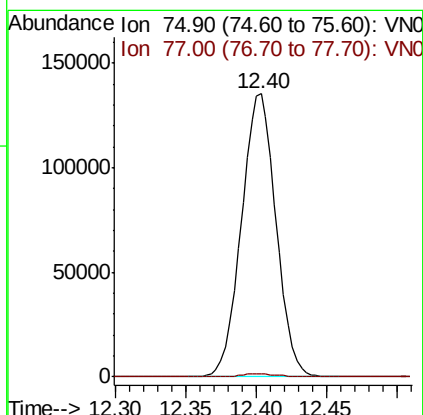
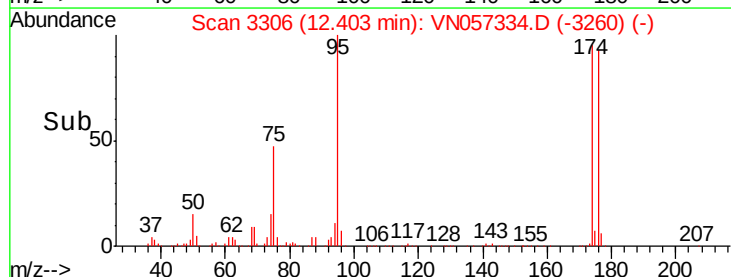
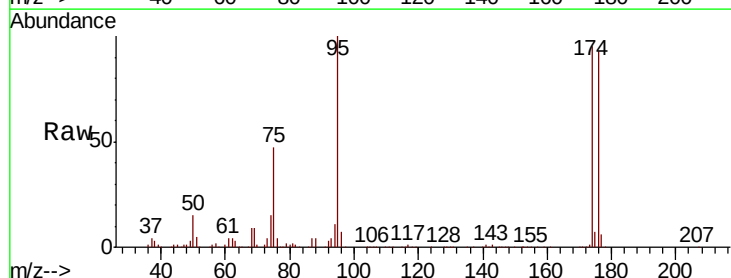
Acq: 15 Aug 2019 16:16

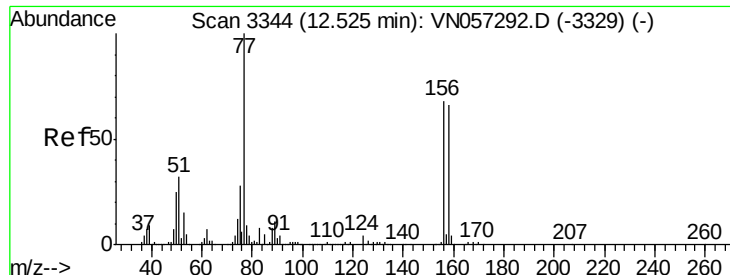
Tgt Ion: 75 Resp: 232166

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-G2-(2)

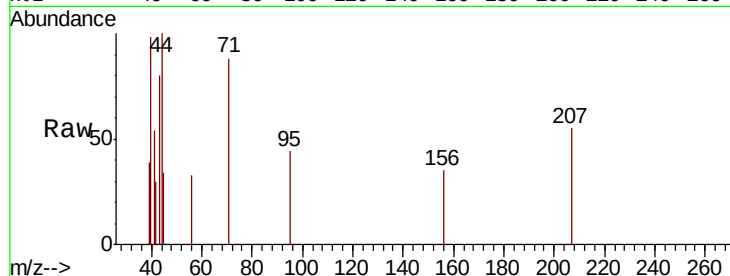
Tgt Ion: 156 Resp: 137

Ion Ratio Lower Upper

156 100

77 0.0 89.8 269.6#

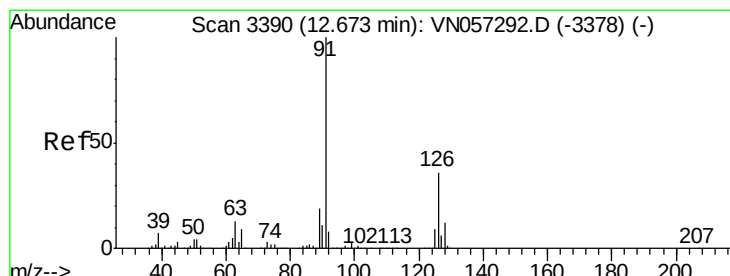
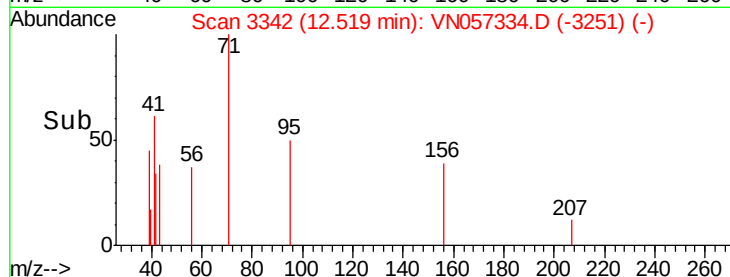
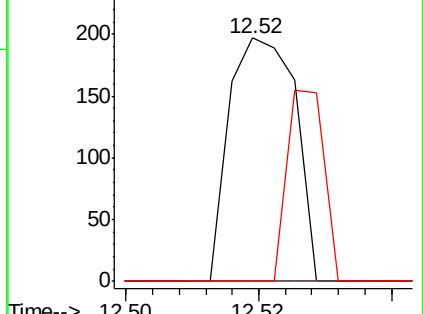
158 43.1 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057334.D

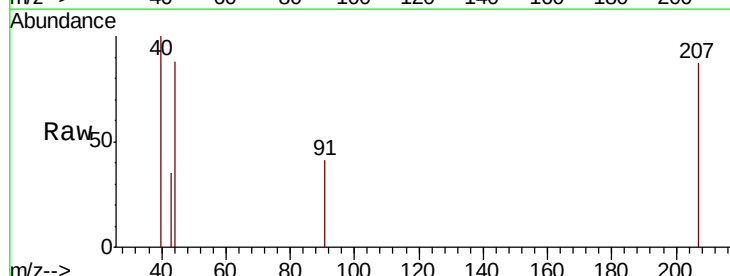
Acq: 15 Aug 2019 16:16

Tgt Ion: 91 Resp: 211

Ion Ratio Lower Upper

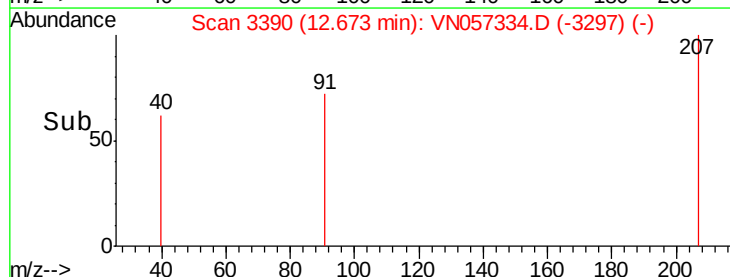
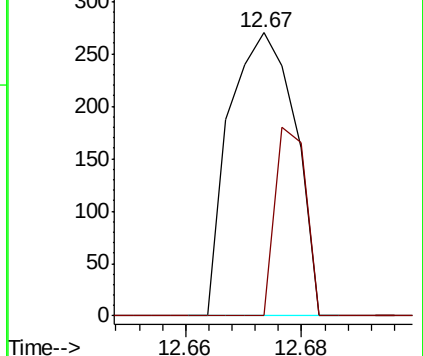
91 100

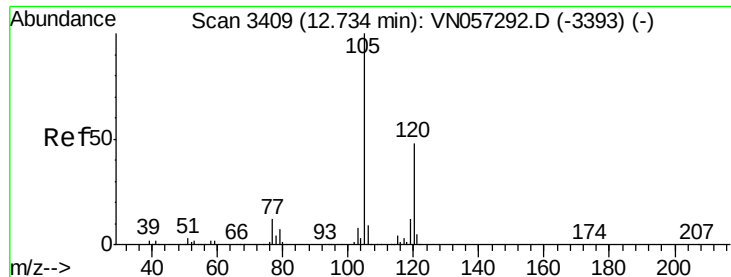
126 31.8 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

Instrument :

MSVOA\_N

ClientSampleId :

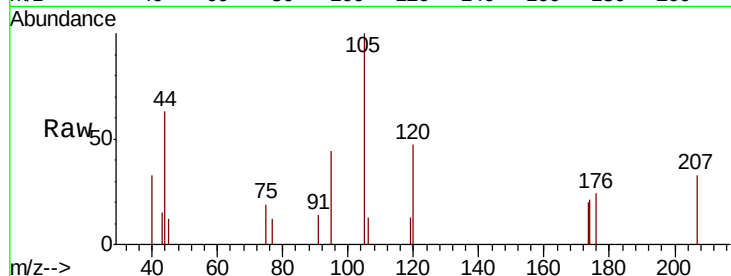
REACTOR-3-G2-(2)

Tgt Ion: 105 Resp: 1849

Ion Ratio Lower Upper

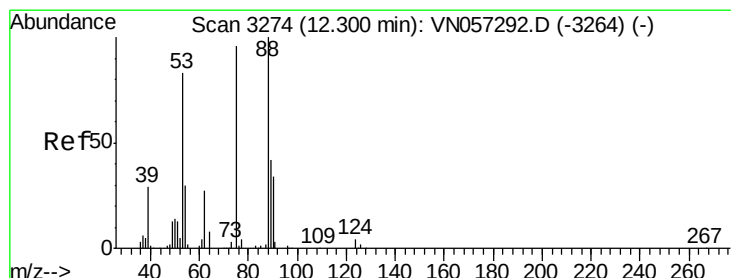
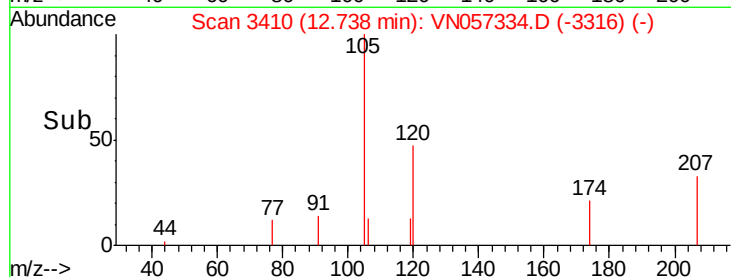
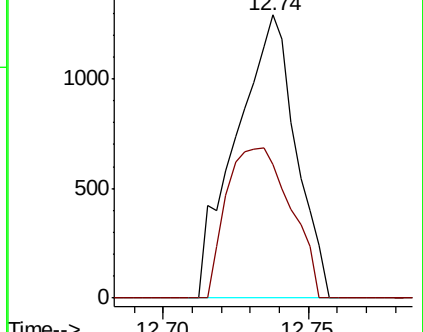
105 100

120 56.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 79.225 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057334.D

Acq: 15 Aug 2019 16:16

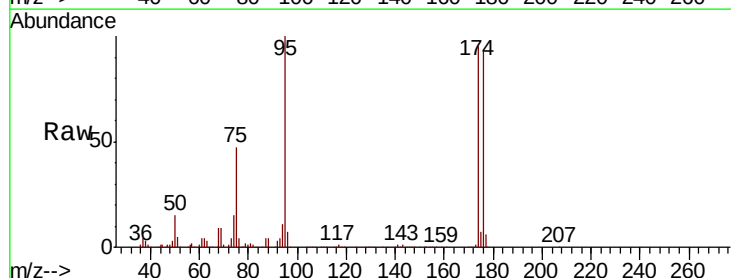
Tgt Ion: 75 Resp: 232166

Ion Ratio Lower Upper

75 100

53 0.0 67.9 101.9#

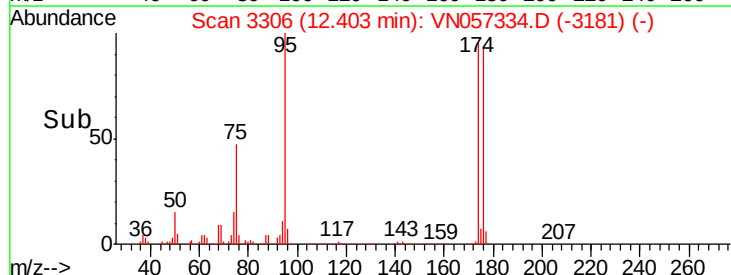
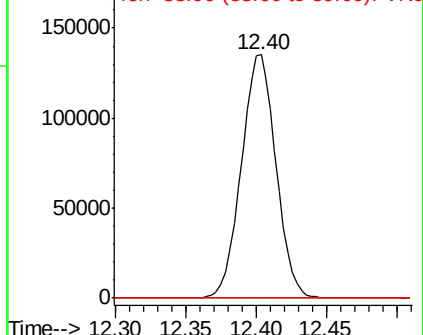
89 0.0 36.2 54.4#

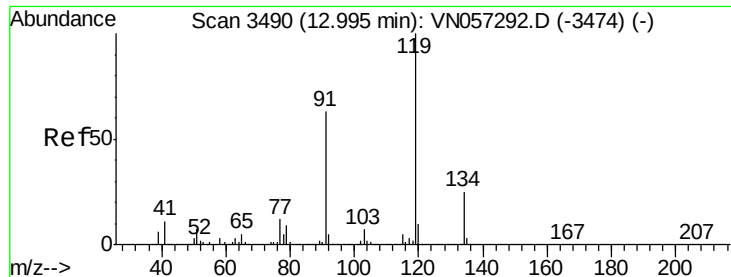


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V

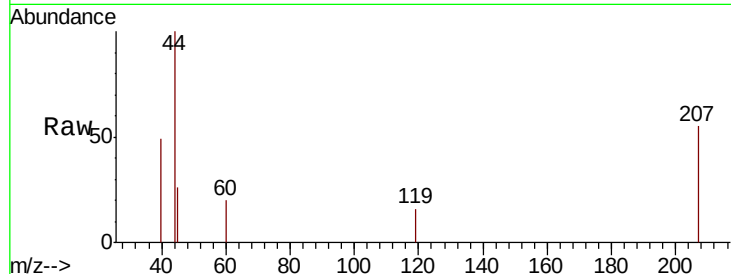




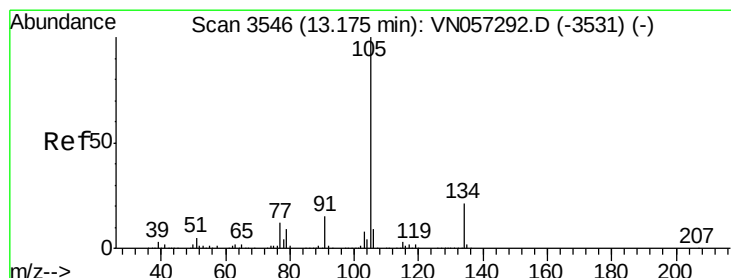
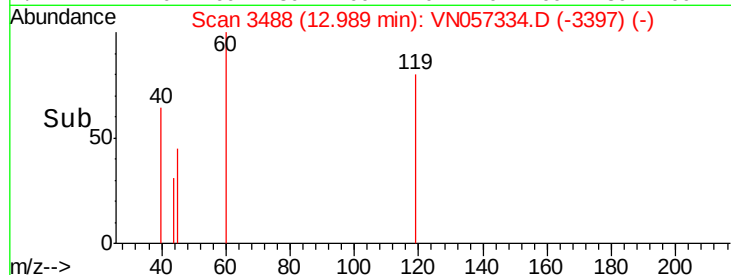
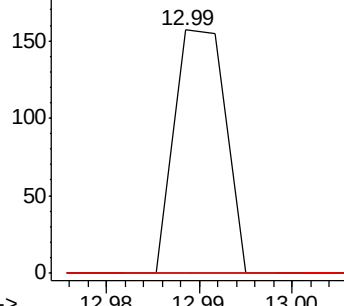
#83  
tert-Butylbenzene  
Concen: Below Cal  
RT: 12.99 min Scan# 3488  
Delta R.T. -0.01 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-G2-(2)

Tgt Ion:119 Resp: 60  
Ion Ratio Lower Upper  
119 100  
91 0.0 31.3 93.8#  
134 0.0 13.1 39.1#

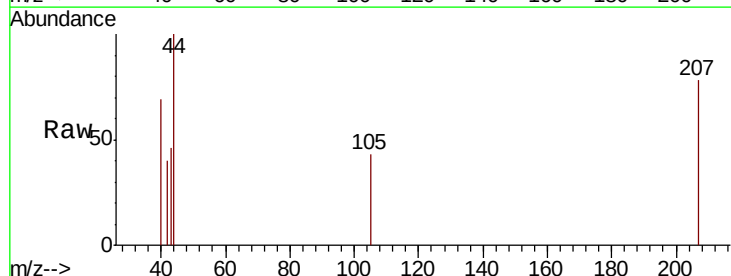


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): VN  
Ion 134.00 (133.70 to 134.70): V

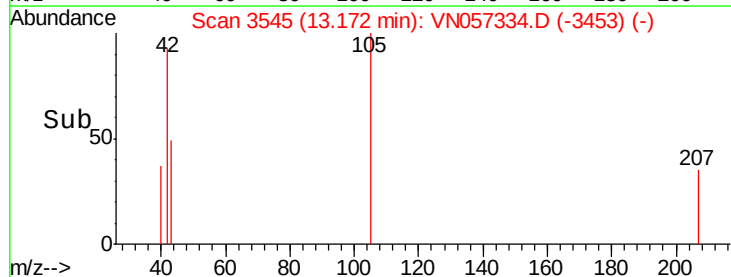
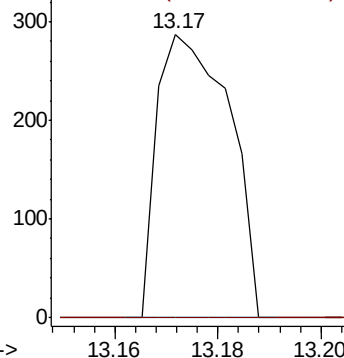


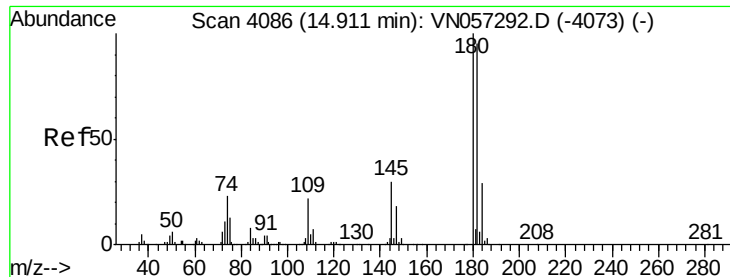
#85  
sec-Butylbenzene  
Concen: Below Cal  
RT: 13.17 min Scan# 3545  
Delta R.T. -0.00 min  
Lab File: VN057334.D  
Acq: 15 Aug 2019 16:16

Tgt Ion:105 Resp: 277  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V

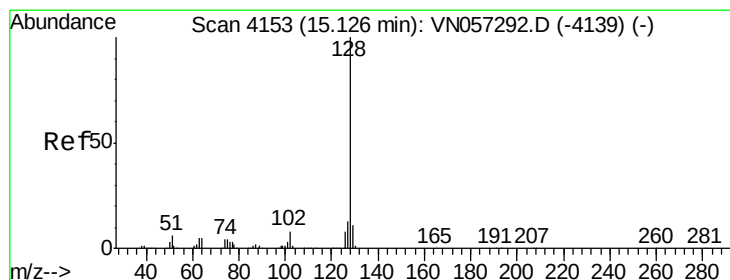
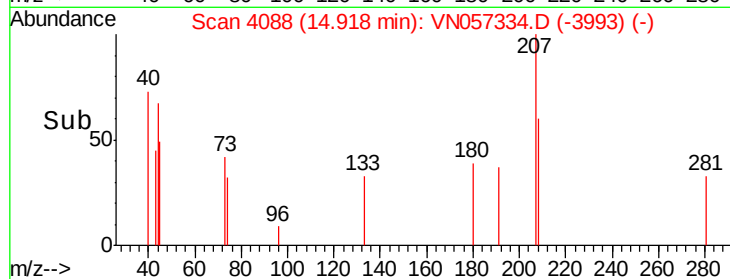
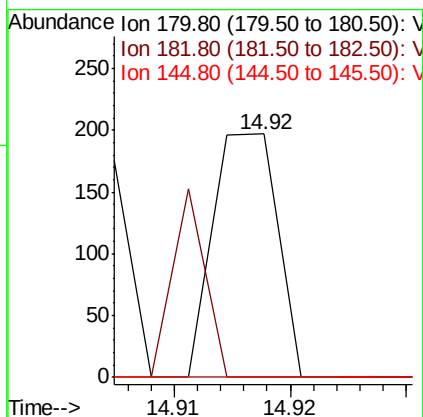
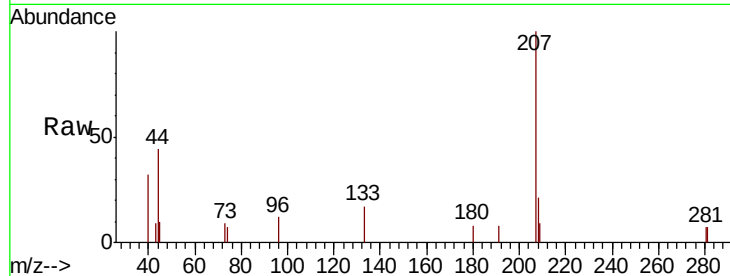




#93  
 1,2,4-Trichlorobenzene  
 Concen: 5.370 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.01 min  
 Lab File: VN057334.D  
 Acq: 15 Aug 2019 16:16

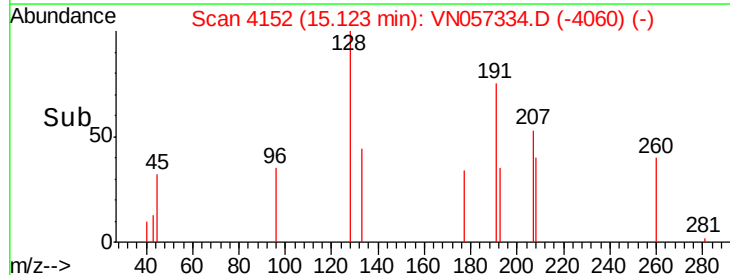
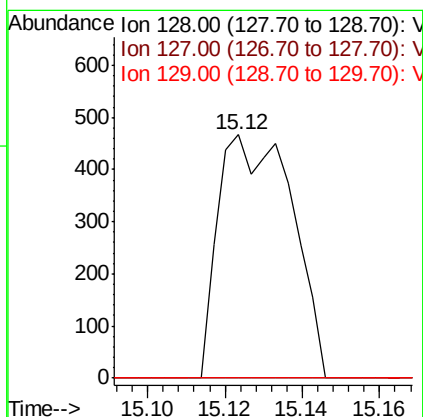
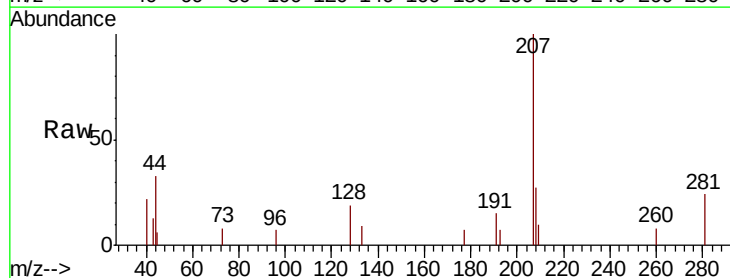
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-G2-(2)

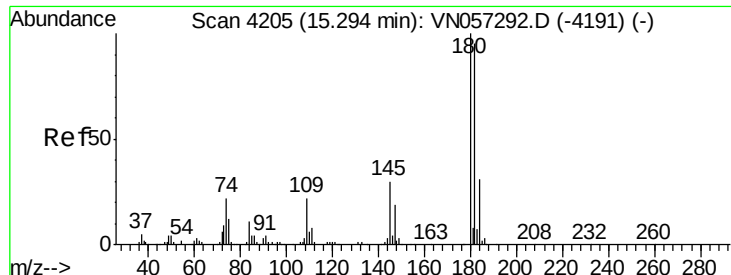
Tgt Ion:180 Resp: 76  
 Ion Ratio Lower Upper  
 180 100  
 182 39.5 48.0 144.2#  
 145 0.0 14.5 43.6#



#95  
 Naphthalene  
 Concen: Below Cal  
 RT: 15.12 min Scan# 4152  
 Delta R.T. -0.00 min  
 Lab File: VN057334.D  
 Acq: 15 Aug 2019 16:16

Tgt Ion:128 Resp: 619  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.5 15.7#  
 129 0.0 8.8 13.2#





#96  
 1,2,3-Trichlorobenzene  
 Concen: Below Cal  
 RT: 15.30 min Scan# 4207  
 Delta R.T. 0.01 min  
 Lab File: VN057334.D  
 Acq: 15 Aug 2019 16:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-G2-(2)

Tgt Ion:180 Resp: 443  
 Ion Ratio Lower Upper  
 180 100  
 182 75.8 47.9 143.6  
 145 14.0 15.1 45.3#

