

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN081219\  
 Data File : VN057236.D  
 Acq On : 12 Aug 2019 23:44  
 Operator : JC/SP  
 Sample : K4231-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-E-(3)

Quant Time: Aug 13 01:50:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 1293977  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.01  | 114  | 1799381  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.91 | 117  | 1476825  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.88 | 152  | 373444   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 7.44   | 65  | 608213   | 45.70 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.40% |      |
| 35) Dibromofluoromethane    | 6.99   | 113 | 546133   | 48.37 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.74% |      |
| 50) Toluene-d8              | 9.56   | 98  | 2091462  | 48.41 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.82% |      |
| 62) 4-Bromofluorobenzene    | 11.92  | 95  | 538931   | 38.72 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 77.44% |      |

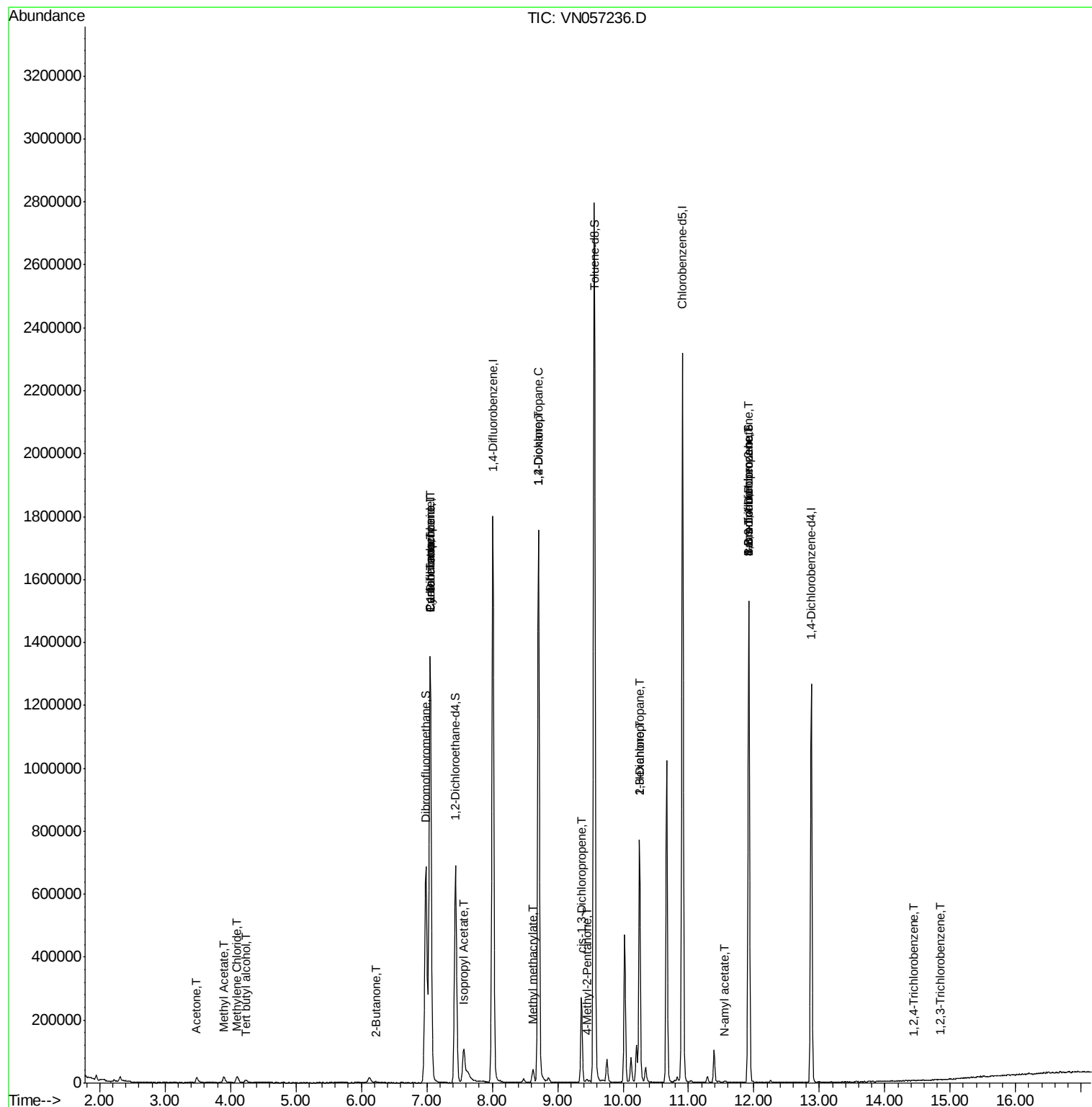
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.23  | 59   | 6164     | 3.255     | ug/l # | 73     |
| 16) Acetone                    | 3.48  | 43   | 21753    | 5.413     | ug/l   | 99     |
| 18) Methyl Acetate             | 3.90  | 43   | 29529    | 1.833     | ug/l   | 100    |
| 20) Methylene Chloride         | 4.10  | 84   | 14494    | 1.093     | ug/l   | 97     |
| 25) 2-Butanone                 | 6.21  | 43   | 2755     | 0.449     | ug/l # | 72     |
| 31) Cyclohexane                | 7.05  | 56   | 18897    | 0.979     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.05  | 75   | 75594    | 5.102     | ug/l # | 48     |
| 37) Ethyl Acetate              | 6.29  | 43   | 150      | Below Cal | #      | 70     |
| 38) Carbon Tetrachloride       | 7.05  | 117  | 108343   | 7.017     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 7.57  | 43   | 167944   | 8.058     | ug/l # | 75     |
| 45) 1,2-Dichloropropane        | 8.71  | 63   | 2846     | 0.234     | ug/l # | 43     |
| 48) Methyl methacrylate        | 8.62  | 41   | 6506     | 0.662     | ug/l # | 10     |
| 49) 1,4-Dioxane                | 8.71  | 88   | 73       | 0.365     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.45  | 43   | 6742     | 0.556     | ug/l   | 98     |
| 54) cis-1,3-Dichloropropene    | 9.36  | 75   | 50925    | 2.820     | ug/l # | 61     |
| 57) 1,3-Dichloropropane        | 10.25 | 76   | 8510     | 0.451     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.25 | 43   | 108394   | 13.204    | ug/l # | 52     |
| 71) Bromoform                  | 11.92 | 173  | 2320     | 0.285     | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.92 | 105  | 412      | Below Cal | #      | 48     |
| 74) N-amyl acetate             | 11.55 | 43   | 3828     | 0.405     | ug/l # | 42     |
| 75) 1,1,2,2-Tetrachloroethane  | 11.92 | 83   | 30       | Below Cal | #      | 1      |
| 76) 1,2,3-Trichloropropane     | 11.92 | 75   | 249330   | 33.212    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.26 | 91   | 72       | Below Cal | #      | 39     |
| 81) trans-1,4-Dichloro-2-buten | 11.92 | 75   | 249330   | 98.168    | ug/l # | 14     |
| 83) tert-Butylbenzene          | 12.56 | 119  | 63       | Below Cal | #      | 28     |
| 93) 1,2,4-Trichlorobenzene     | 14.45 | 180  | 64       | 5.941     | ug/l # | 17     |
| 96) 1,2,3-Trichlorobenzene     | 14.84 | 180  | 117      | 5.740     | ug/l # | 12     |

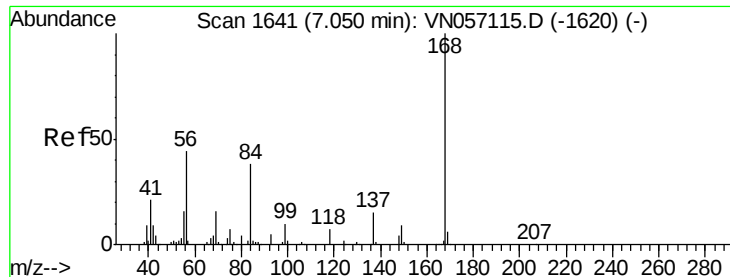
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN081219\  
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QLast Update : Thu Aug 08 06:49:25 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057236.D

Acq: 12 Aug 2019 23:44

Instrument :

MSVOA\_N

ClientSampleId :

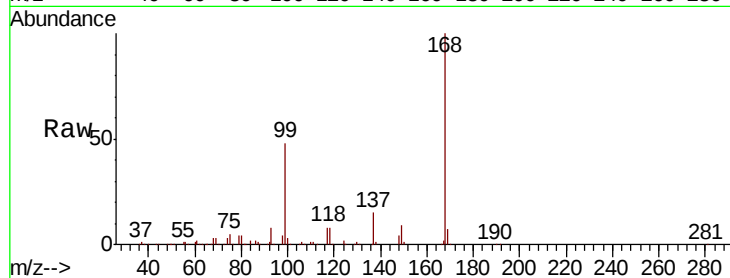
REACTOR-3-E-(3)

Tgt Ion:168 Resp: 1293977

Ion Ratio Lower Upper

168 100

99 47.9 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057115.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057115.D (-1620) (-)

7.05

600000

500000

400000

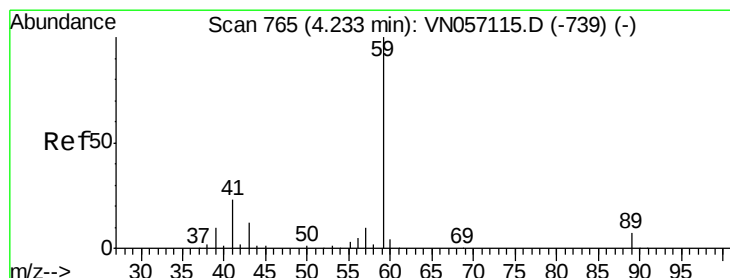
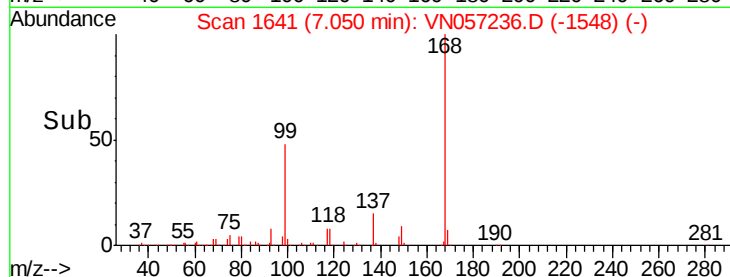
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 3.255 ug/l

RT: 4.23 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN057236.D

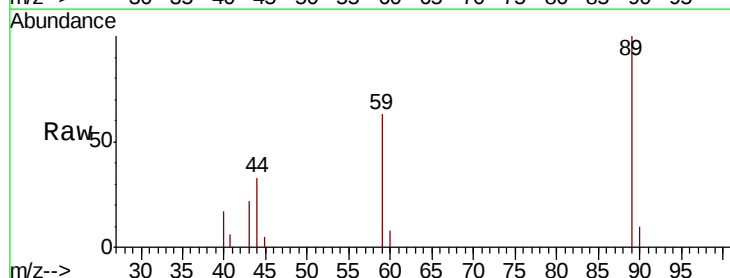
Acq: 12 Aug 2019 23:44

Tgt Ion: 59 Resp: 6164

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN057115.D (-739) (-)

Ion 57.00 (56.70 to 57.70): VN057115.D (-739) (-)

4.23

2000

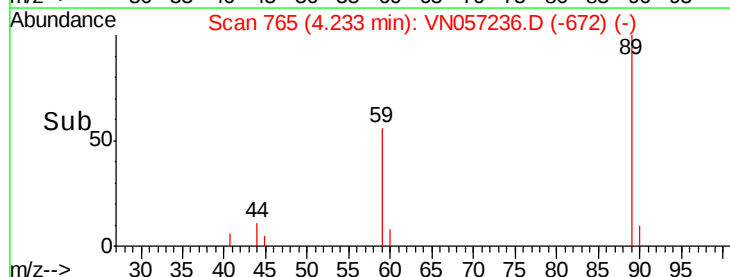
1500

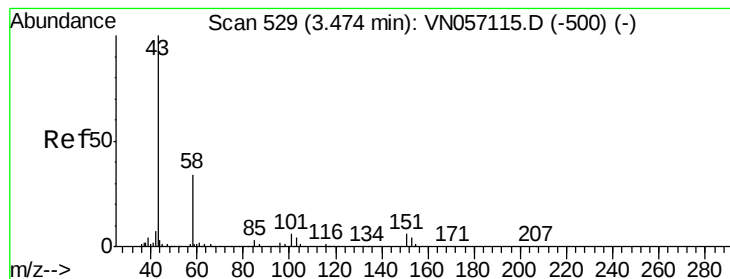
1000

500

0

Time--> 4.15 4.20 4.25 4.30





#16

Acetone

Concen: 5.413 ug/l

RT: 3.48 min Scan# 531

Delta R.T. 0.01 min

Lab File: VN057236.D

Acq: 12 Aug 2019 23:44

Instrument :

MSVOA\_N

ClientSampleId :

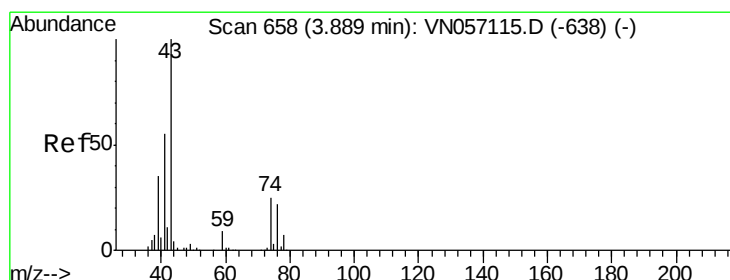
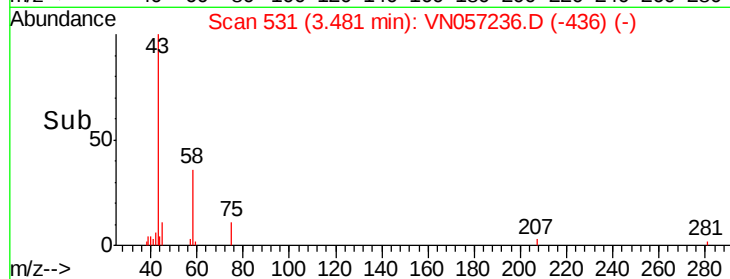
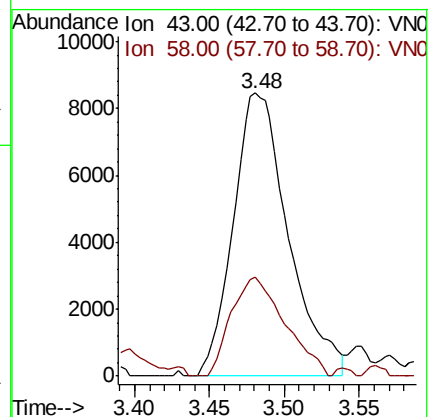
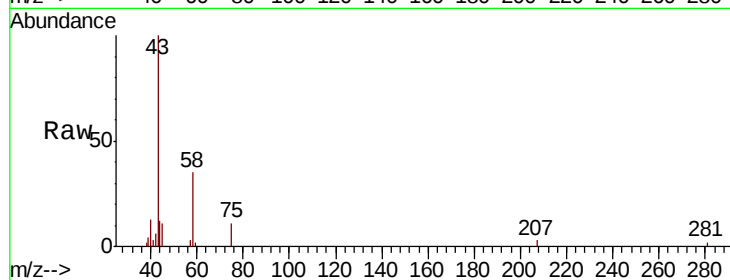
REACTOR-3-E-(3)

Tgt Ion: 43 Resp: 21753

Ion Ratio Lower Upper

43 100

58 35.0 27.4 41.2



#18

Methyl Acetate

Concen: 1.833 ug/l

RT: 3.90 min Scan# 660

Delta R.T. 0.01 min

Lab File: VN057236.D

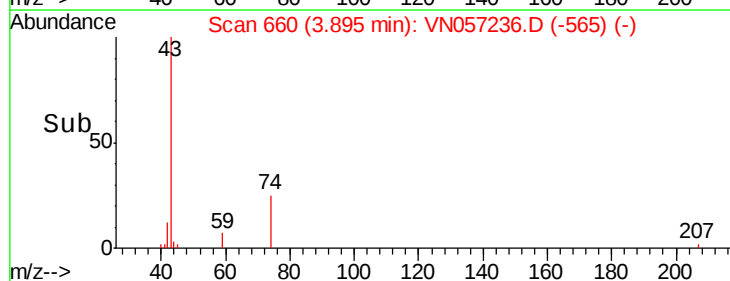
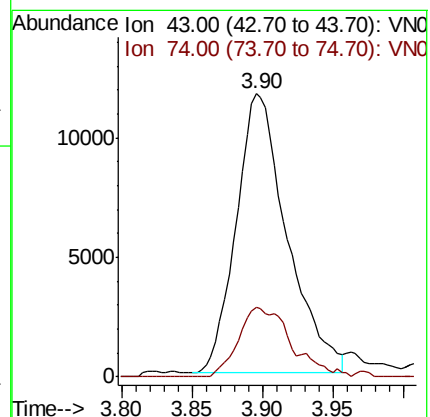
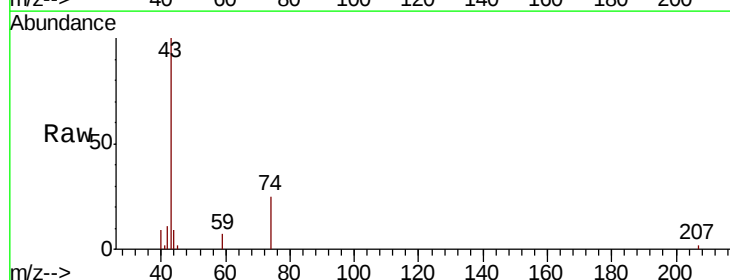
Acq: 12 Aug 2019 23:44

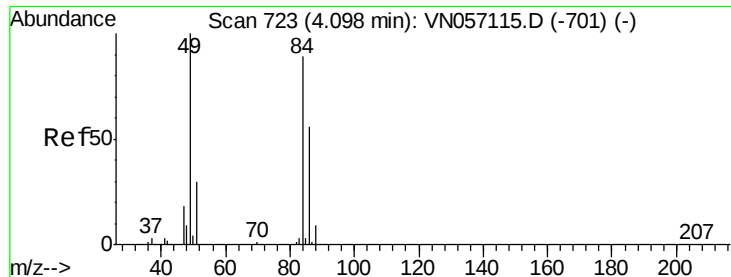
Tgt Ion: 43 Resp: 29529

Ion Ratio Lower Upper

43 100

74 25.5 20.2 30.4

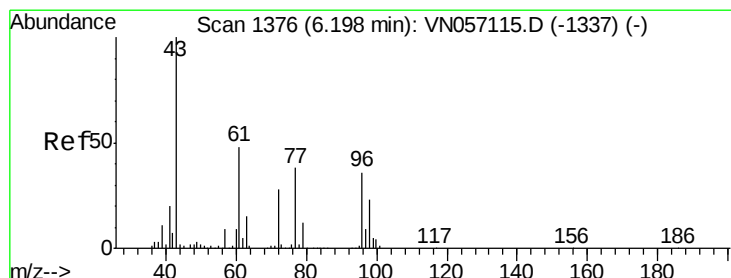
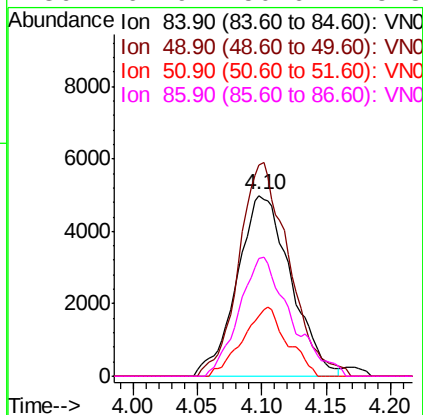
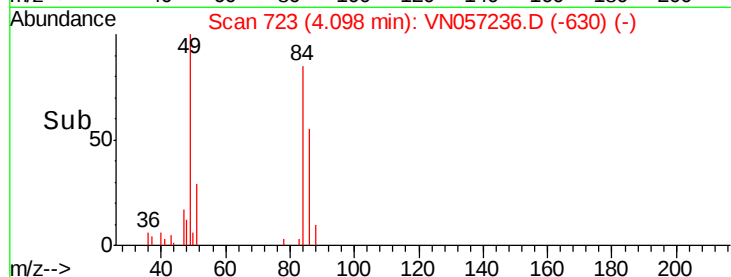
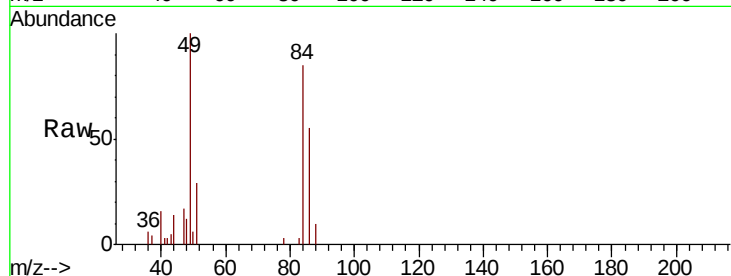




#20  
Methylene Chloride  
Concen: 1.093 ug/l  
RT: 4.10 min Scan# 723  
Delta R.T. -0.00 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

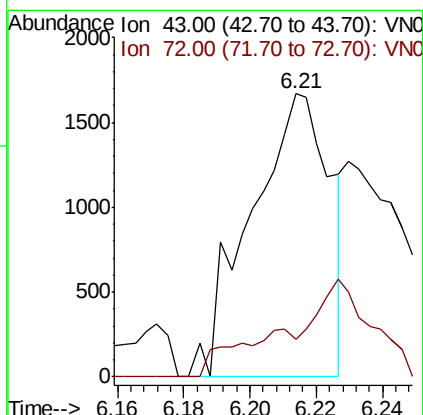
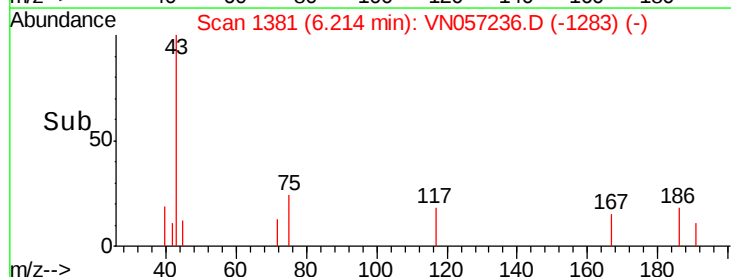
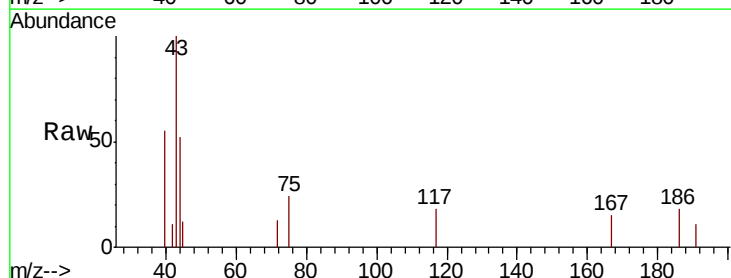
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MSVOA\_N  
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REACTOR-3-E-(3)

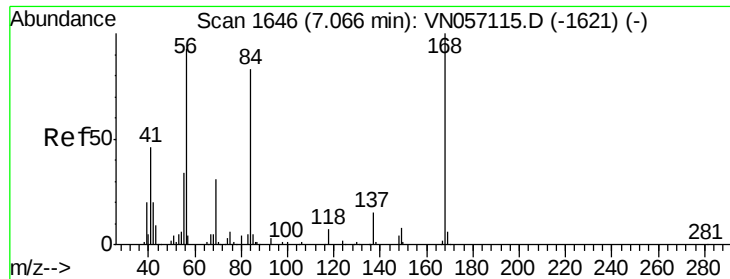
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 14494 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.2 | 89.5  | 134.3 |
| 51       | 33.6  | 27.2  | 40.8  |
| 86       | 64.9  | 50.6  | 75.8  |



#25  
2-Butanone  
Concen: 0.449 ug/l  
RT: 6.21 min Scan# 1381  
Delta R.T. 0.02 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2755  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 13.1  | 22.2  | 33.4# |

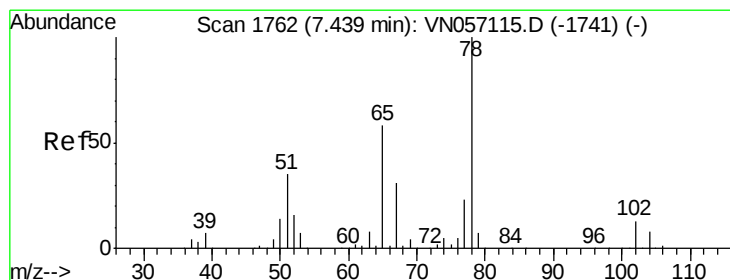
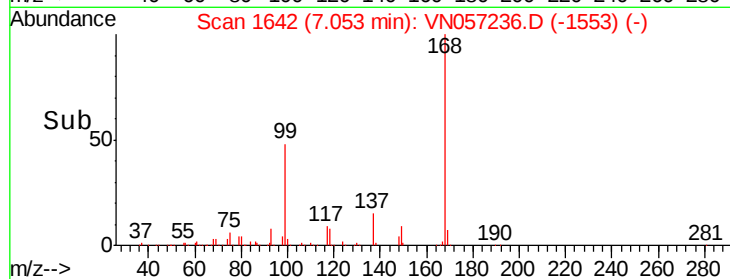
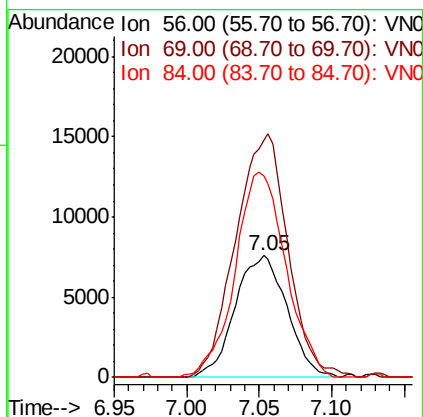
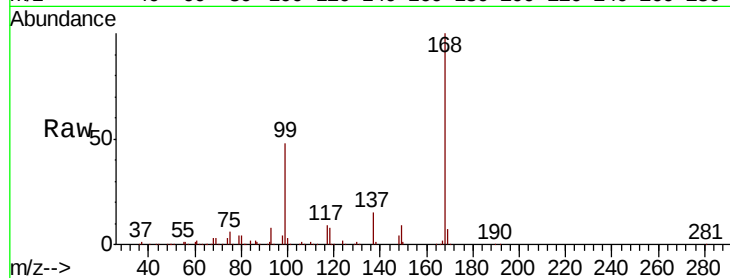




#31  
Cyclohexane  
Concen: 0.979 ug/l  
RT: 7.05 min Scan# 1642  
Delta R.T. -0.01 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

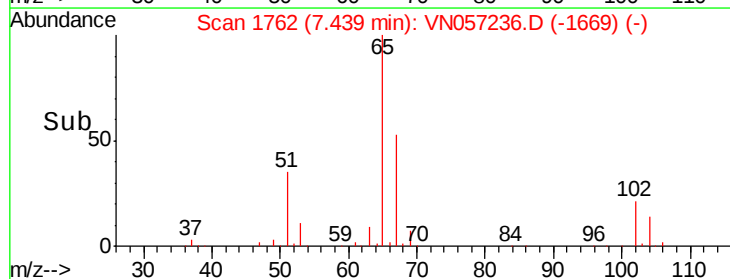
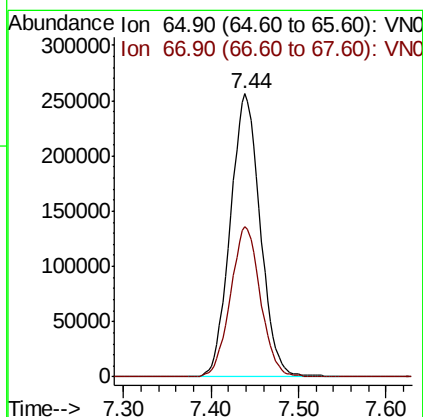
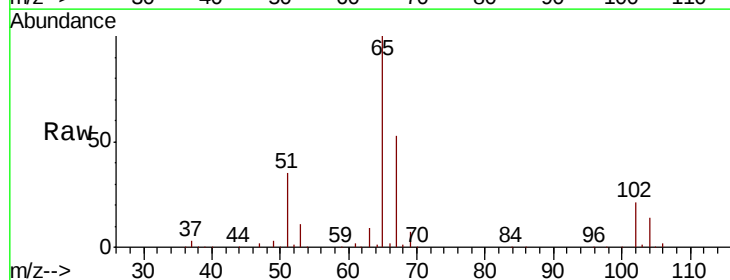
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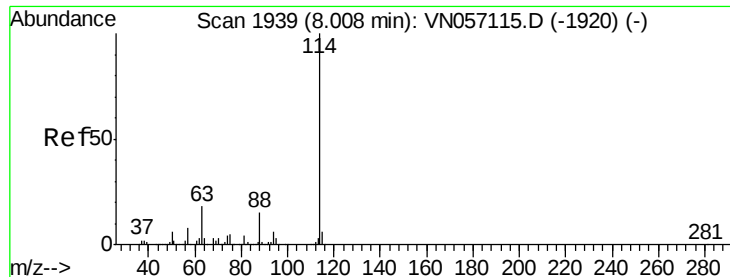
Tgt Ion: 56 Resp: 18897  
Ion Ratio Lower Upper  
56 100  
69 194.6 26.9 40.3#  
84 165.1 71.9 107.9#



#33  
1,2-Dichloroethane-d4  
Concen: 45.704 ug/l  
RT: 7.44 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

Tgt Ion: 65 Resp: 608213  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 108.2

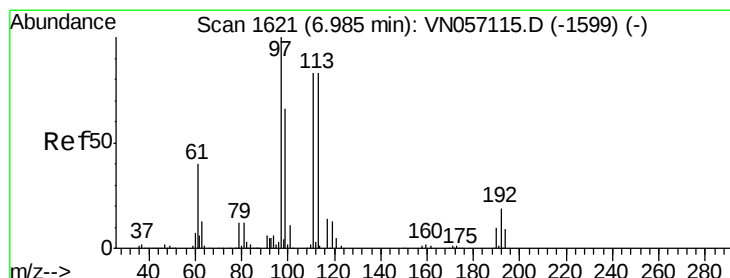
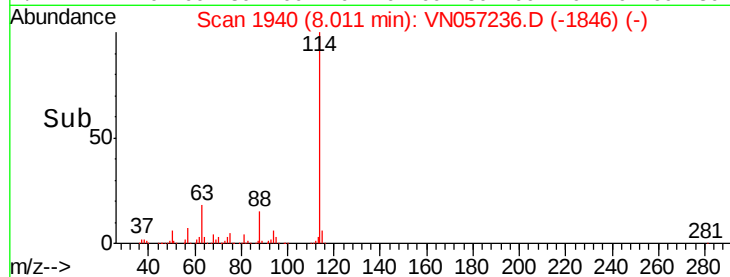
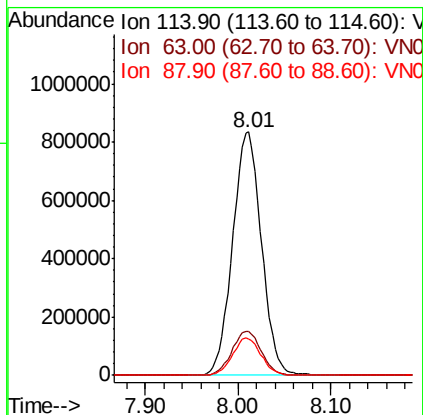
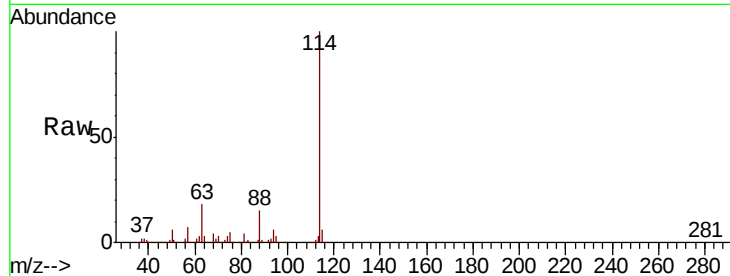




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. 0.00 min  
 Lab File: VN057236.D  
 Acq: 12 Aug 2019 23:44

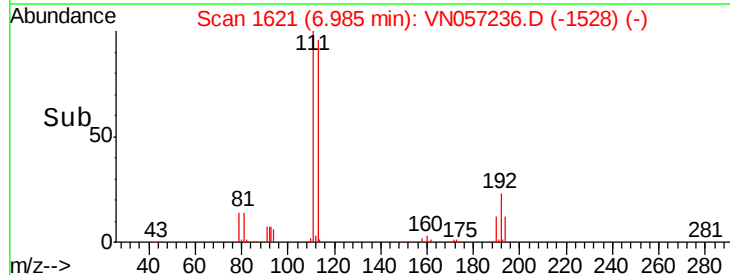
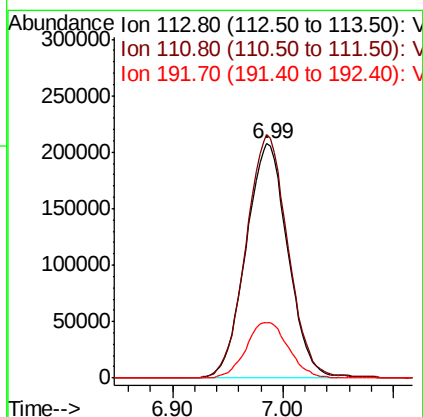
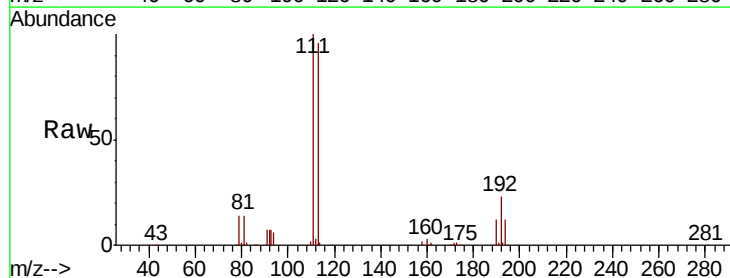
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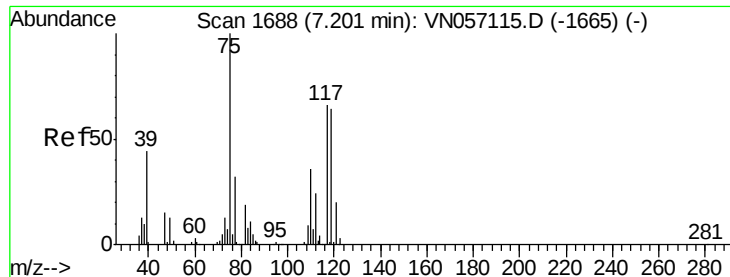
Tgt Ion:114 Resp: 1799381  
 Ion Ratio Lower Upper  
 114 100  
 63 17.8 0.0 36.2  
 88 15.1 0.0 30.0



#35  
 Dibromofluoromethane  
 Concen: 48.367 ug/l  
 RT: 6.99 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: VN057236.D  
 Acq: 12 Aug 2019 23:44

Tgt Ion:113 Resp: 546133  
 Ion Ratio Lower Upper  
 113 100  
 111 104.1 81.3 121.9  
 192 24.1 19.0 28.4

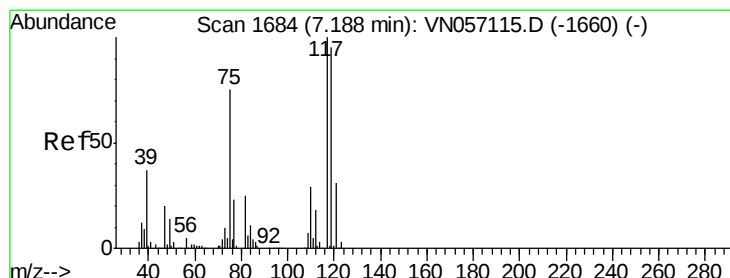
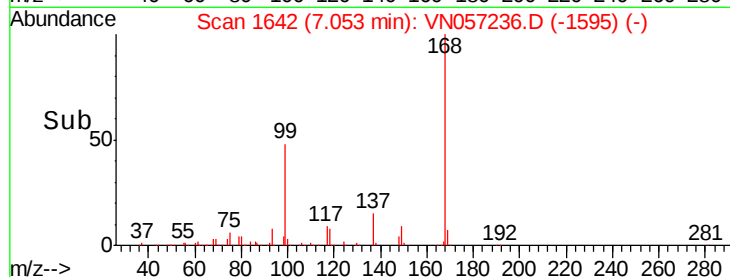
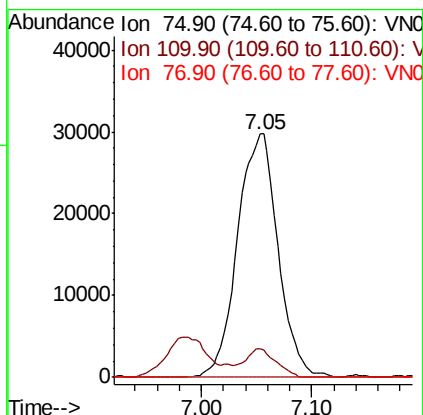
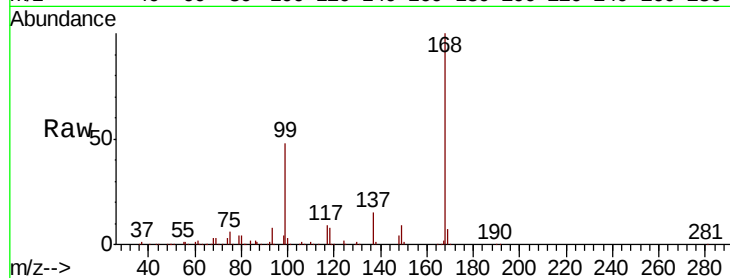




#36  
 1,1-Dichloropropene  
 Concen: 5.102 ug/l  
 RT: 7.05 min Scan# 1642  
 Delta R.T. -0.15 min  
 Lab File: VN057236.D  
 Acq: 12 Aug 2019 23:44

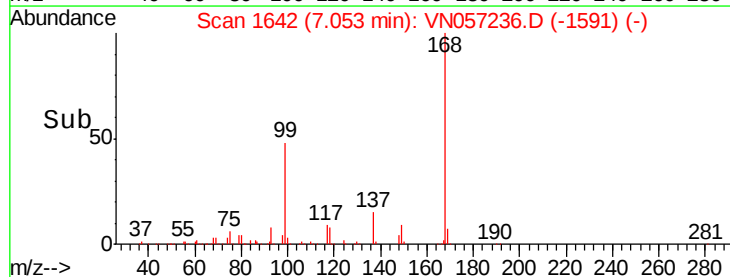
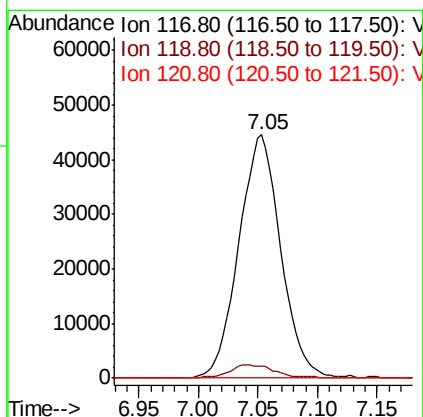
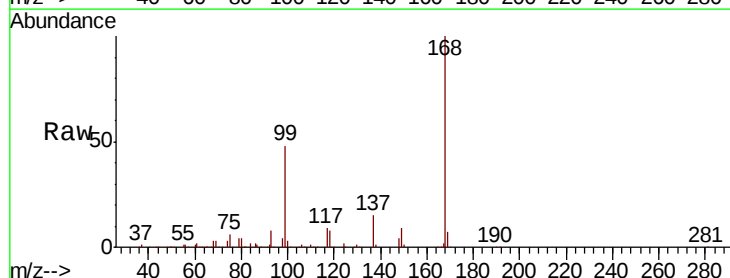
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 REACTOR-3-E-(3)

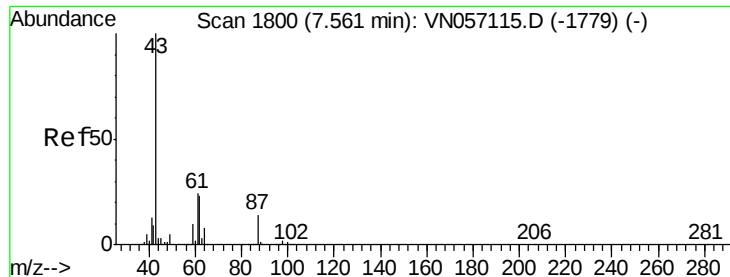
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.8   | 18.7  | 56.1# |
| 77      | 0.0   | 25.0  | 37.4# |



#38  
 Carbon Tetrachloride  
 Concen: 7.017 ug/l  
 RT: 7.05 min Scan# 1642  
 Delta R.T. -0.14 min  
 Lab File: VN057236.D  
 Acq: 12 Aug 2019 23:44

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 4.9   | 75.8  | 113.6# |
| 121     | 0.0   | 24.4  | 36.6#  |





#43

Isopropyl Acetate

Concen: 8.058 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.01 min

Lab File: VN057236.D

Acq: 12 Aug 2019 23:44

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-E-(3)

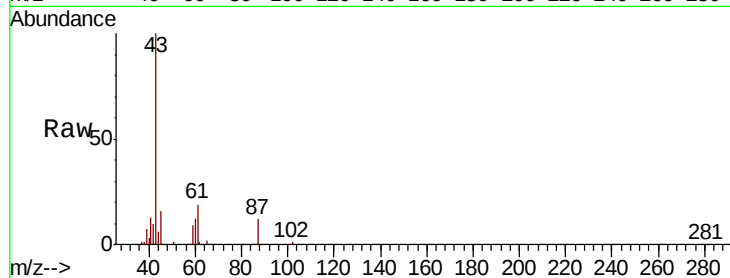
Tgt Ion: 43 Resp: 167944

Ion Ratio Lower Upper

43 100

61 13.9 24.2 36.2#

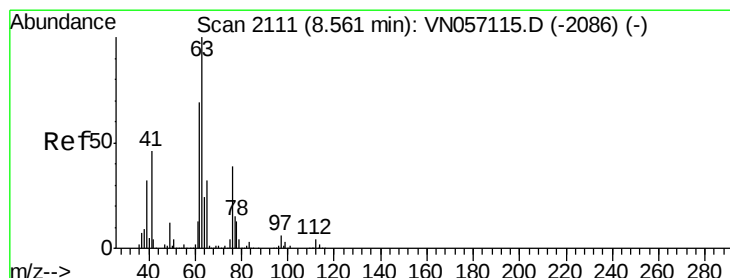
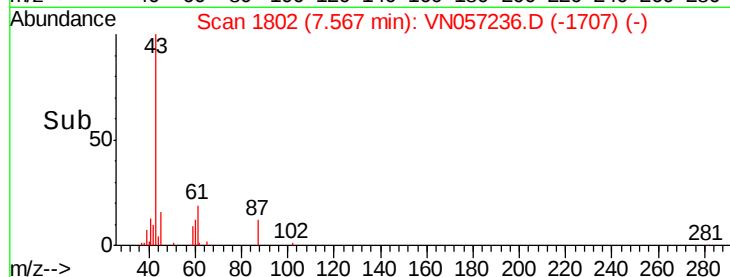
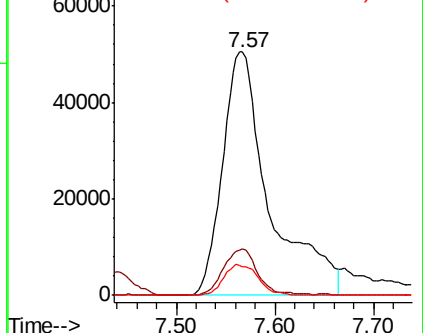
87 9.2 11.8 17.8#



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: 0.234 ug/l

RT: 8.71 min Scan# 2156

Delta R.T. 0.14 min

Lab File: VN057236.D

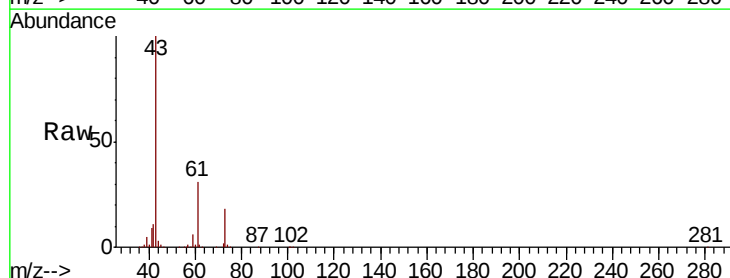
Acq: 12 Aug 2019 23:44

Tgt Ion: 63 Resp: 2846

Ion Ratio Lower Upper

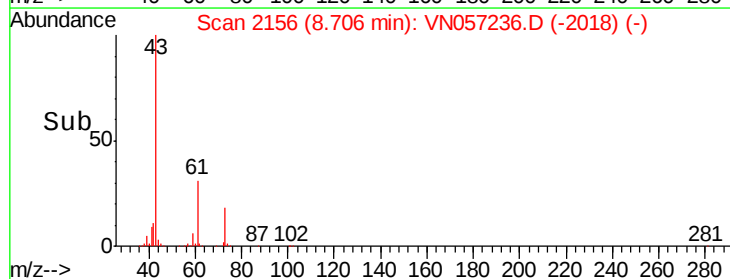
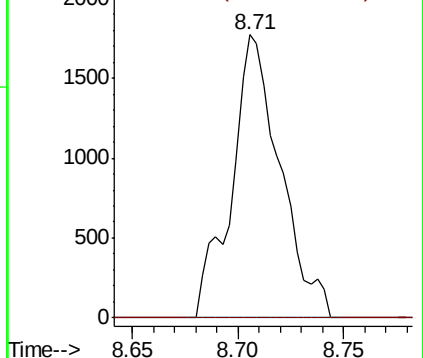
63 100

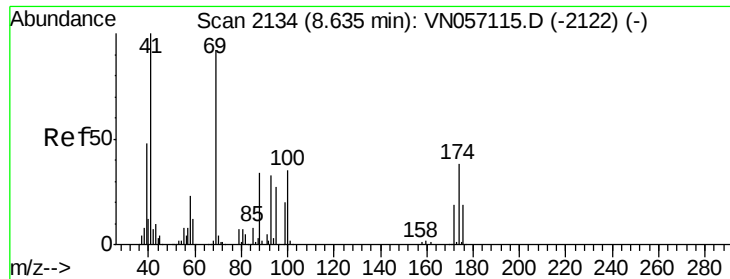
65 0.0 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

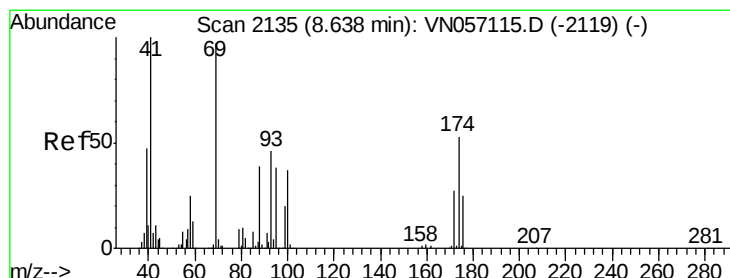
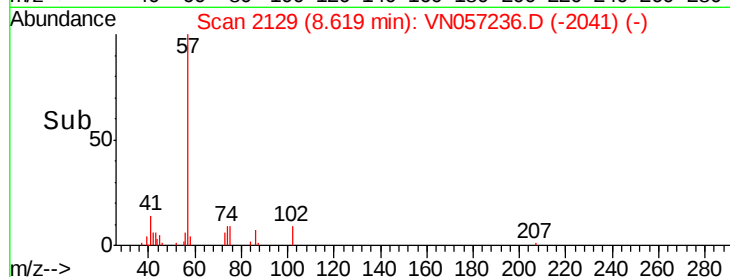
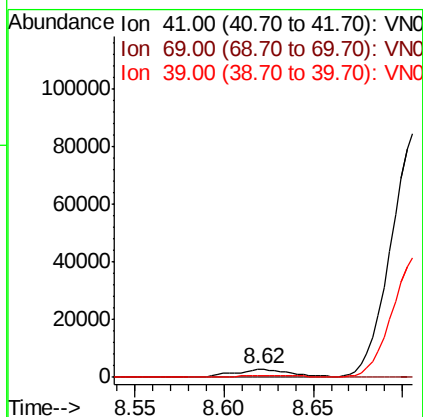
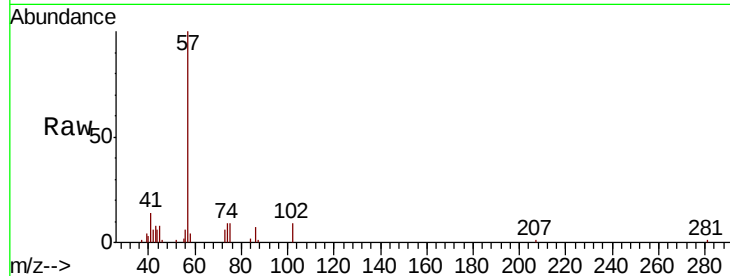




#48  
Methyl methacrylate  
Concen: 0.662 ug/l  
RT: 8.62 min Scan# 2129  
Delta R.T. -0.02 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

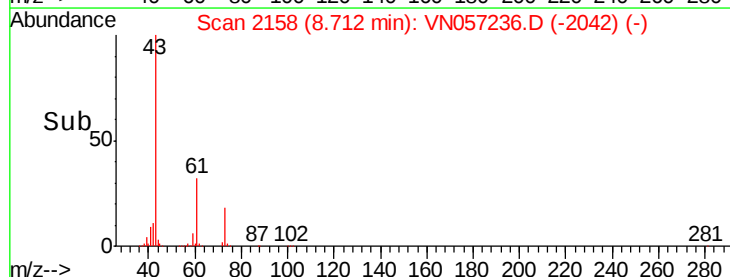
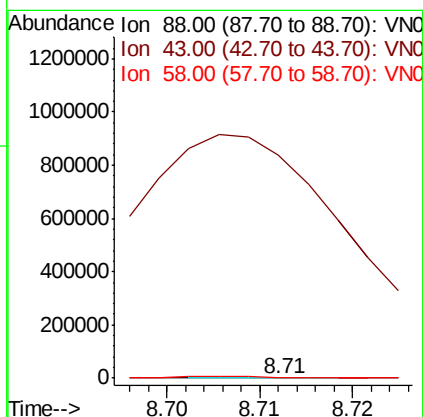
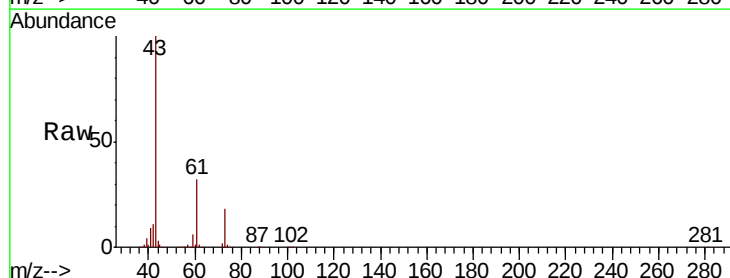
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-E-(3)

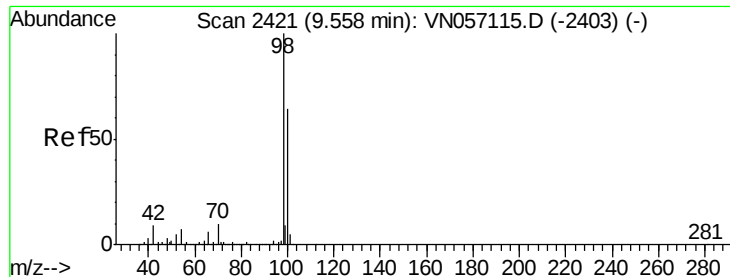
Tgt Ion: 41 Resp: 6506  
Ion Ratio Lower Upper  
41 100  
69 0.0 77.5 116.3#  
39 0.0 39.8 59.6#



#49  
1,4-Dioxane  
Concen: 0.365 ug/l  
RT: 8.71 min Scan# 2158  
Delta R.T. 0.07 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

Tgt Ion: 88 Resp: 73  
Ion Ratio Lower Upper  
88 100  
43 2383193.2 21.7 32.5#  
58 11890.4 51.1 76.7#

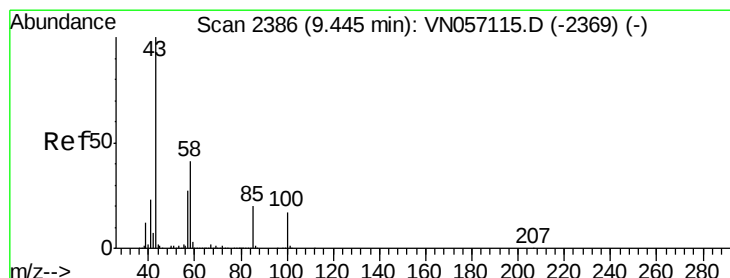
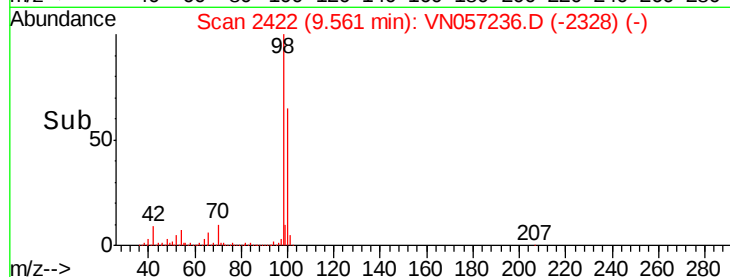
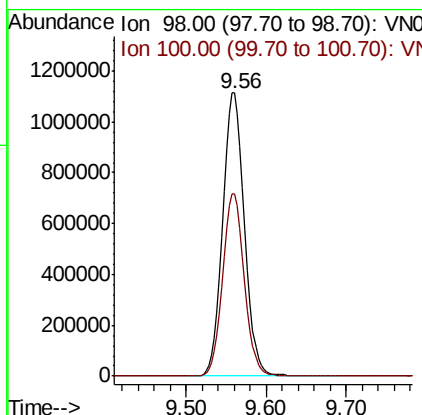
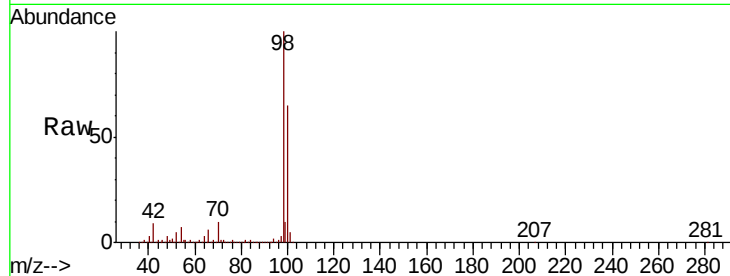




#50  
Toluene-d8  
Concen: 48.415 ug/l  
RT: 9.56 min Scan# 2422  
Delta R.T. 0.00 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

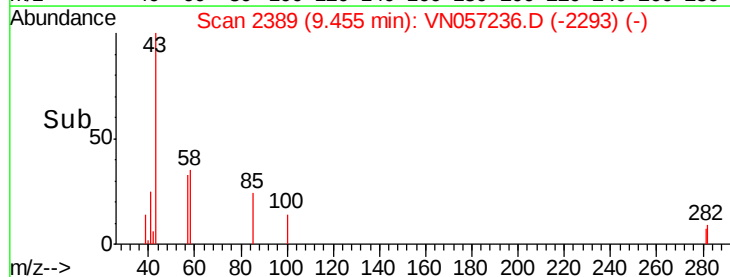
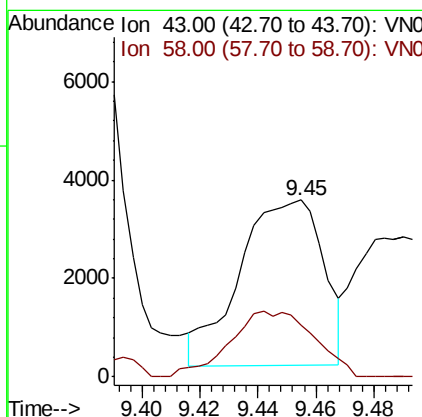
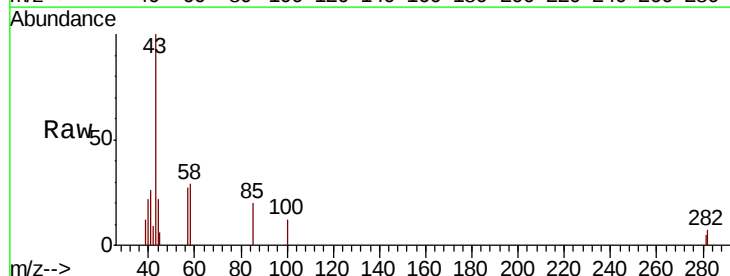
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-E-(3)

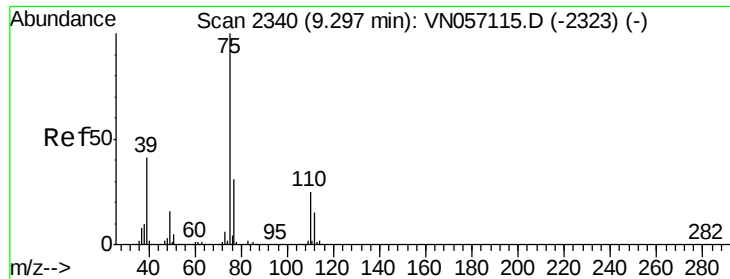
Tgt Ion: 98 Resp: 2091462  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.2 76.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.556 ug/l  
RT: 9.45 min Scan# 2389  
Delta R.T. 0.01 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

Tgt Ion: 43 Resp: 6742  
Ion Ratio Lower Upper  
43 100  
58 40.0 33.2 49.8



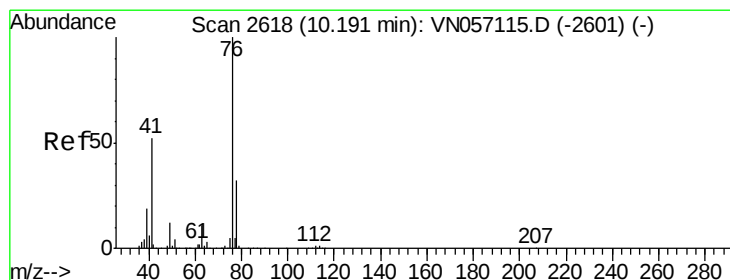
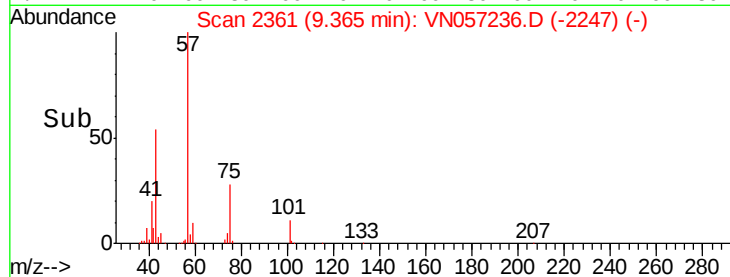
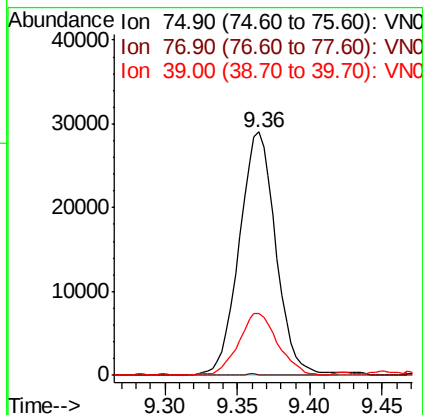
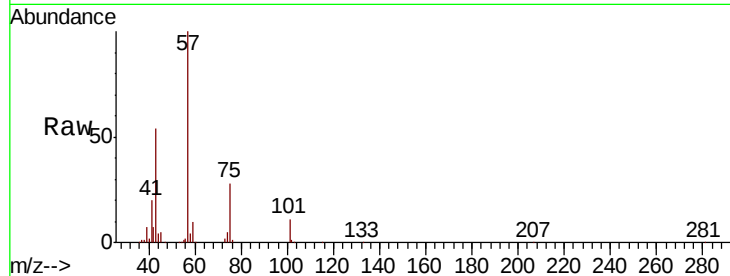


#54

cis-1,3-Dichloropropene  
 Concen: 2.820 ug/l  
 RT: 9.36 min Scan# 2361  
 Delta R.T. 0.07 min  
 Lab File: VN057236.D  
 Acq: 12 Aug 2019 23:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-E-(3)

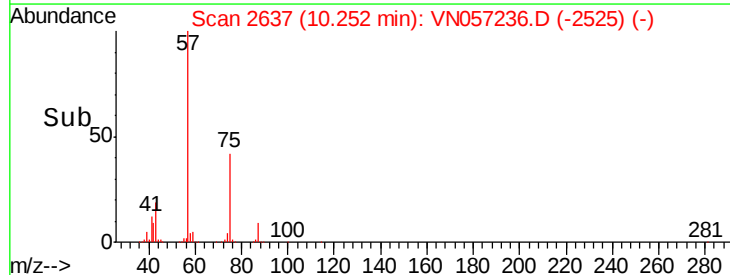
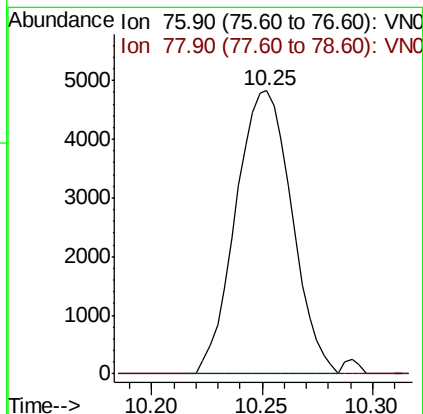
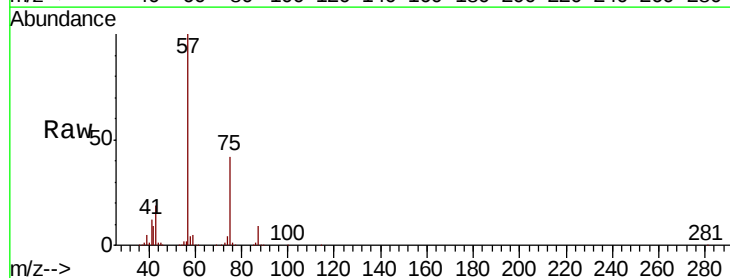
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.0   | 25.1  | 37.7# |
| 39      | 25.3  | 32.5  | 48.7# |

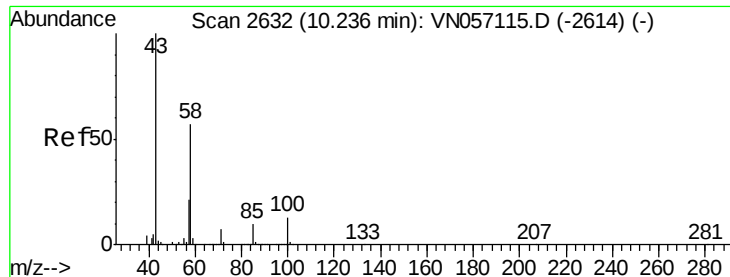


#57

1,3-Dichloropropane  
 Concen: 0.451 ug/l  
 RT: 10.25 min Scan# 2637  
 Delta R.T. 0.06 min  
 Lab File: VN057236.D  
 Acq: 12 Aug 2019 23:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 0.0   | 25.9  | 38.9# |

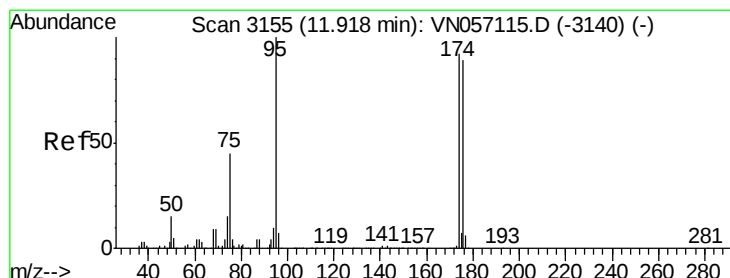
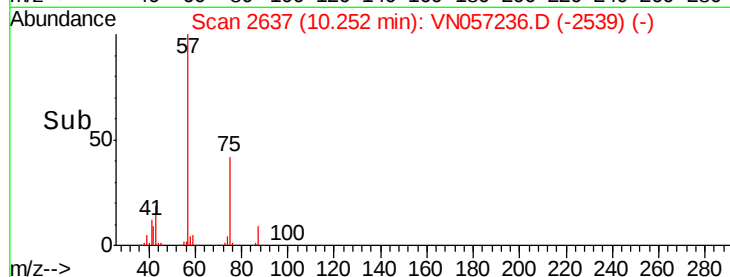
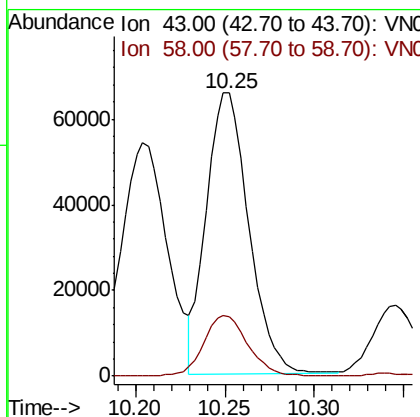
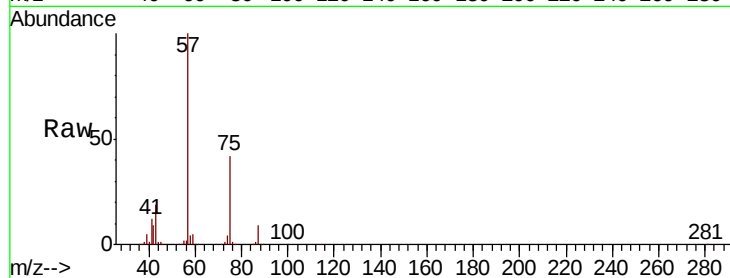




#59  
2-Hexanone  
Concen: 13.204 ug/l  
RT: 10.25 min Scan# 2637  
Delta R.T. 0.02 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

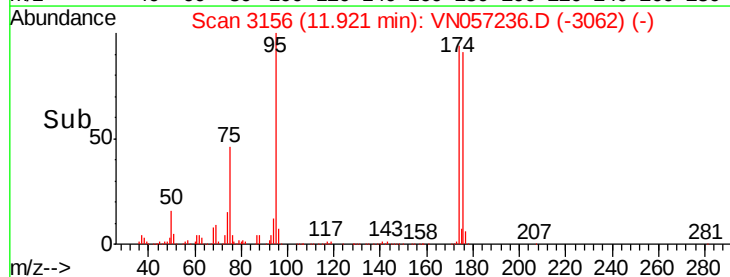
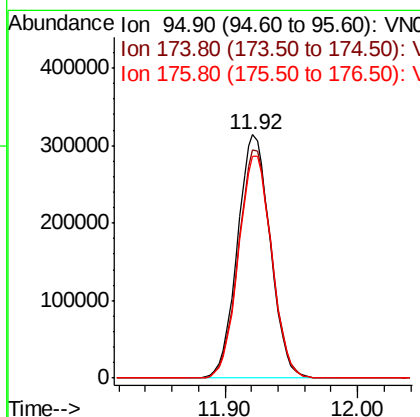
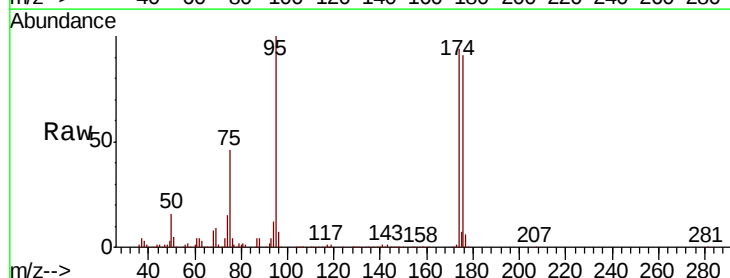
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-E-(3)

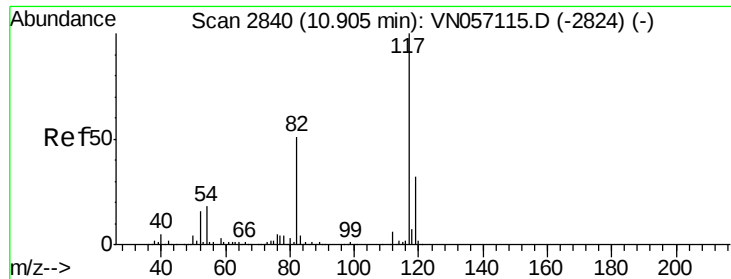
Tgt Ion: 43 Resp: 108394  
Ion Ratio Lower Upper  
43 100  
58 22.6 29.2 87.6#



#62  
4-Bromofluorobenzene  
Concen: 38.719 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. 0.00 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

Tgt Ion: 95 Resp: 538931  
Ion Ratio Lower Upper  
95 100  
174 94.7 0.0 185.0  
176 92.4 0.0 181.2

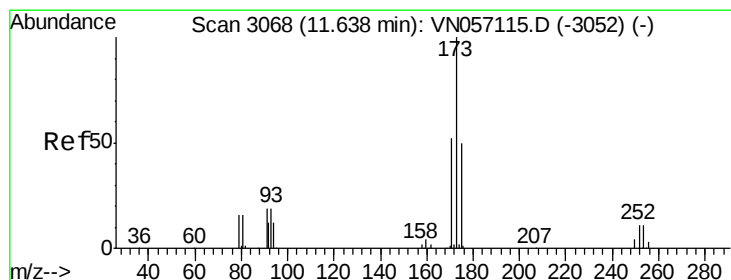
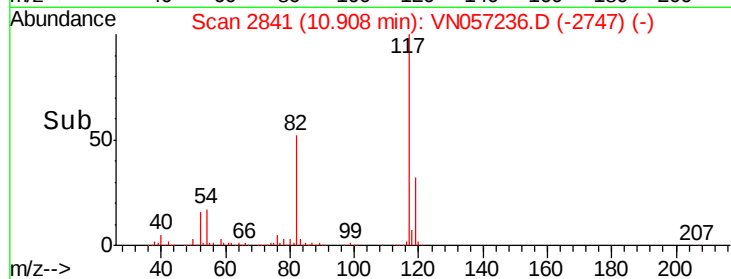
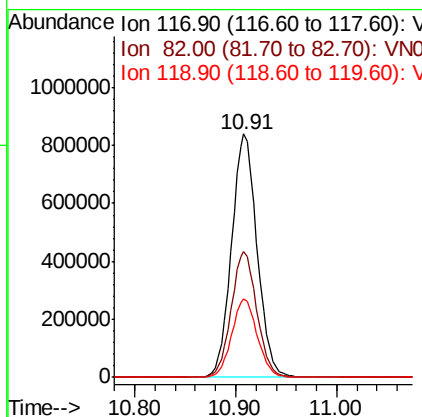
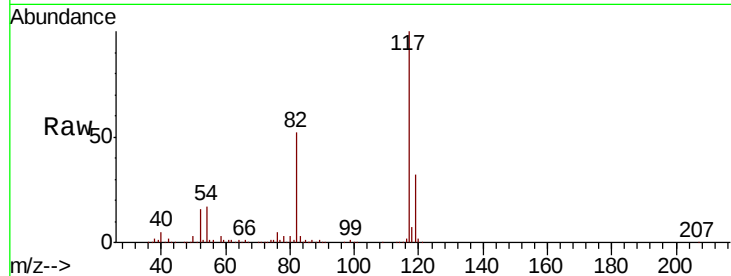




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.91 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

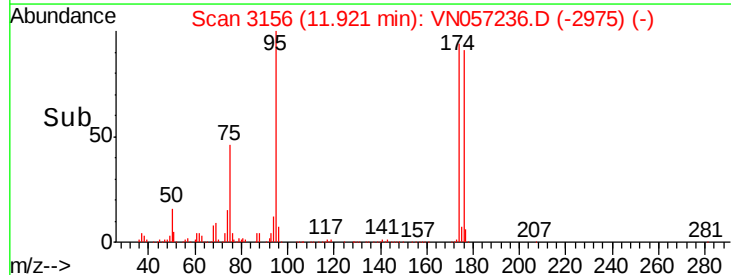
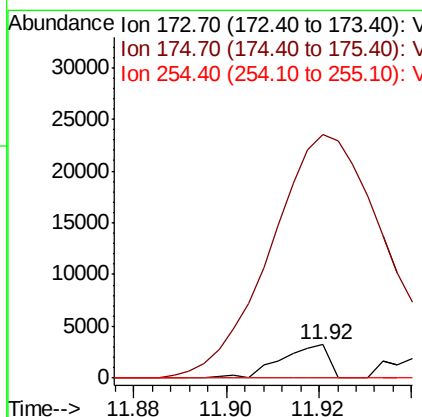
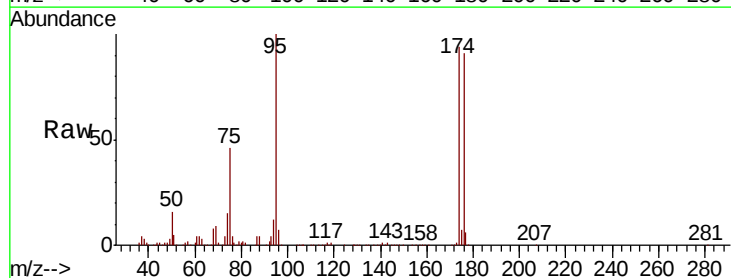
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-E-(3)

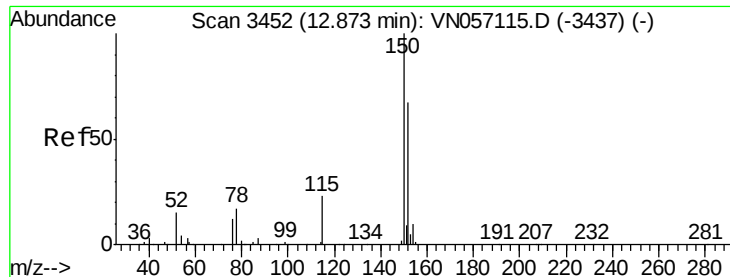
Tgt Ion:117 Resp: 1476825  
Ion Ratio Lower Upper  
117 100  
82 51.7 40.8 61.2  
119 32.2 25.7 38.5



#71  
Bromoform  
Concen: 0.285 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. 0.28 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

Tgt Ion:173 Resp: 2320  
Ion Ratio Lower Upper  
173 100  
175 1080.9 24.6 73.8#  
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057236.D

Acq: 12 Aug 2019 23:44

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-E-(3)

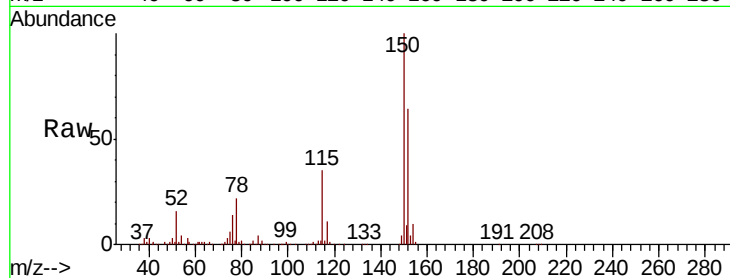
Tgt Ion:152 Resp: 373444

Ion Ratio Lower Upper

152 100

115 55.4 27.5 82.5

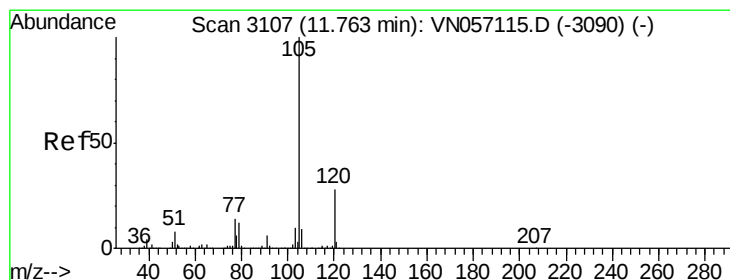
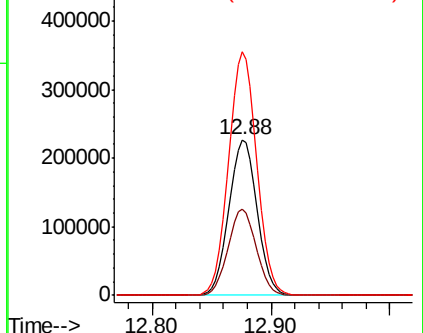
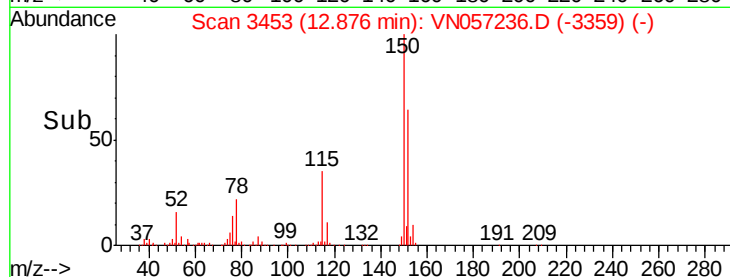
150 155.7 0.0 341.6



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: 11.92 min Scan# 3157

Delta R.T. 0.16 min

Lab File: VN057236.D

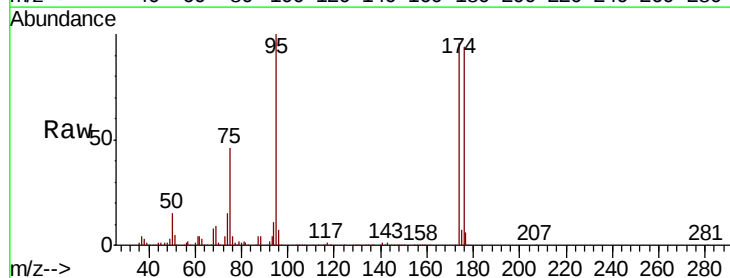
Acq: 12 Aug 2019 23:44

Tgt Ion:105 Resp: 412

Ion Ratio Lower Upper

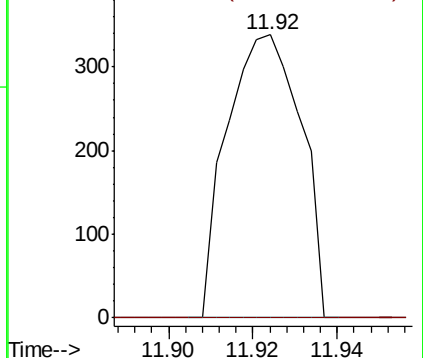
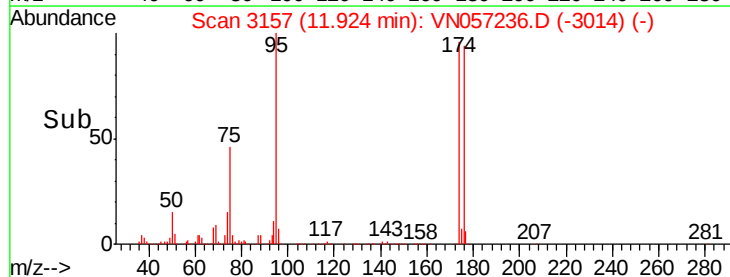
105 100

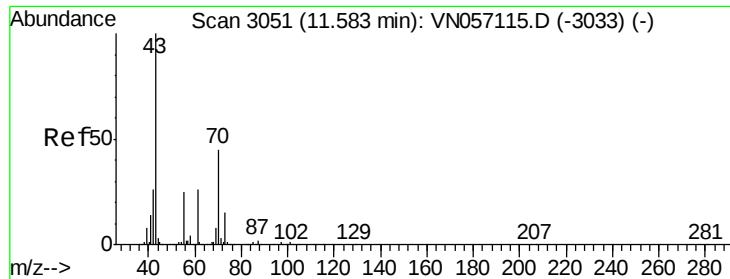
120 0.0 13.7 41.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

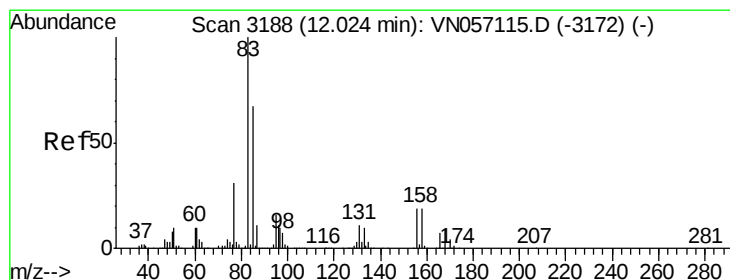
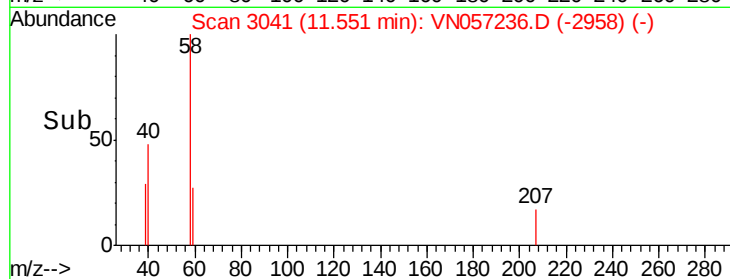
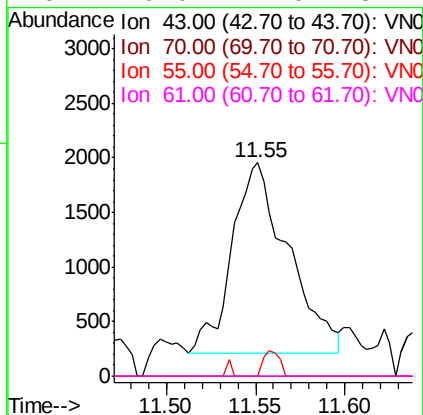
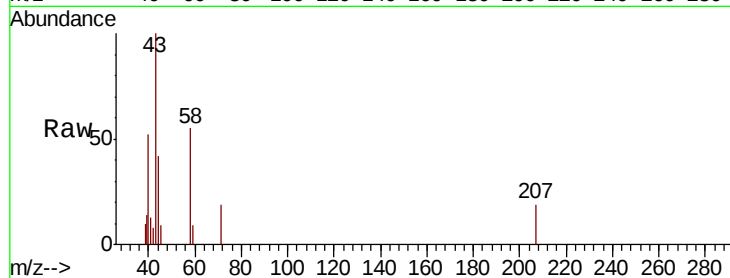




#74  
N-ethyl acetate  
Concen: 0.405 ug/l  
RT: 11.55 min Scan# 3041  
Delta R.T. -0.03 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

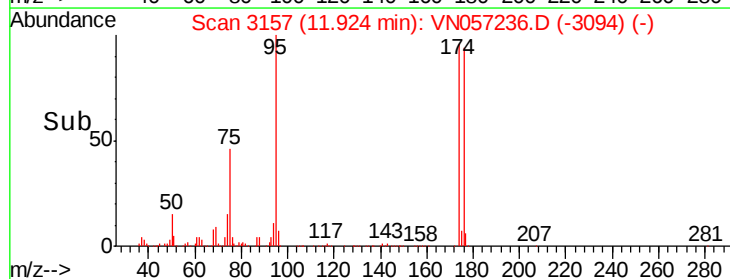
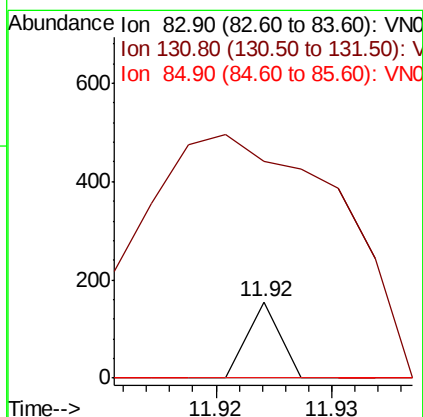
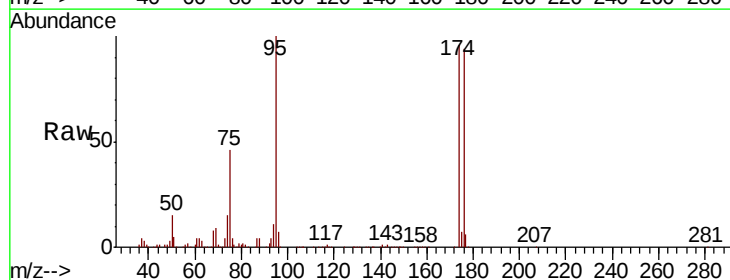
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-E-(3)

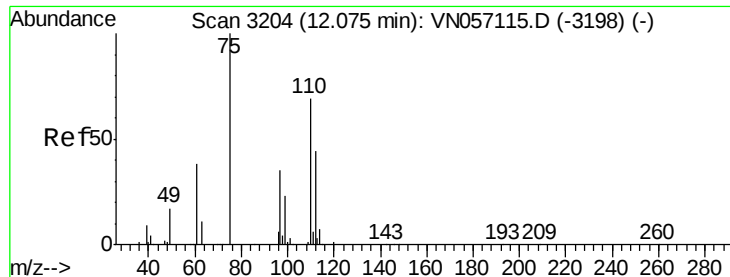
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3828  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 36.8  | 55.2# |
| 55       | 3.9   | 20.6  | 31.0# |
| 61       | 0.0   | 21.0  | 31.4# |



#75  
1,1,2,2-Tetrachloroethane  
Concen: Below Cal  
RT: 11.92 min Scan# 3157  
Delta R.T. -0.10 min  
Lab File: VN057236.D  
Acq: 12 Aug 2019 23:44

|          |        |       |       |
|----------|--------|-------|-------|
| Tgt Ion: | 83     | Resp: | 30    |
| Ion      | Ratio  | Lower | Upper |
| 83       | 100    |       |       |
| 131      | 1953.3 | 5.5   | 16.4# |
| 85       | 0.0    | 32.4  | 97.0# |





#76

1,2,3-Trichloropropane

Concen: 33.212 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.15 min

Lab File: VN057236.D

Acq: 12 Aug 2019 23:44

Instrument :

MSVOA\_N

ClientSampleId :

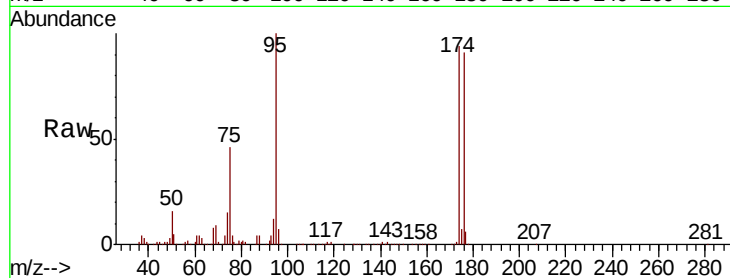
REACTOR-3-E-(3)

Tgt Ion: 75 Resp: 249330

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

11.92

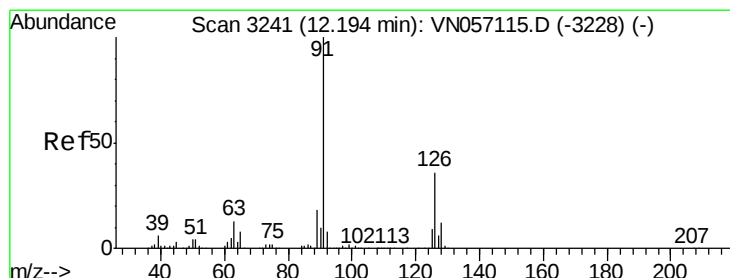
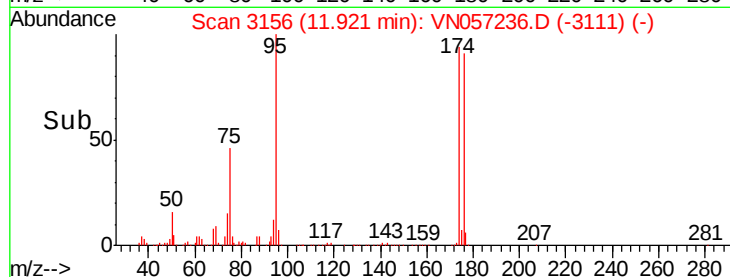
150000

100000

50000

0

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.26 min Scan# 3262

Delta R.T. 0.07 min

Lab File: VN057236.D

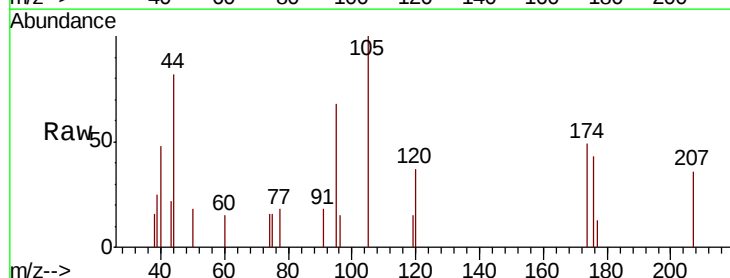
Acq: 12 Aug 2019 23:44

Tgt Ion: 91 Resp: 72

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.26

200

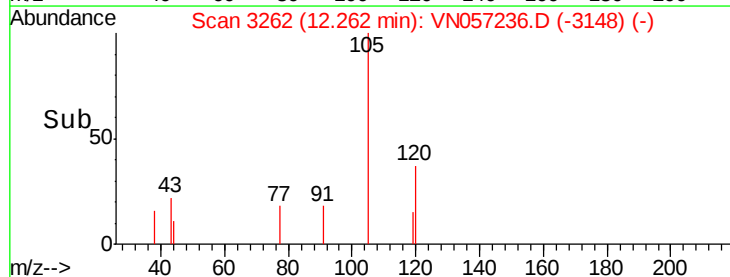
150

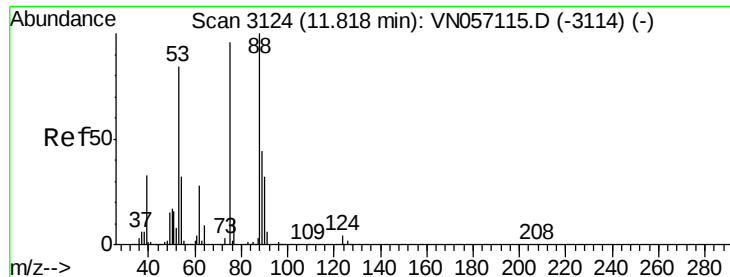
100

50

0

Time-->

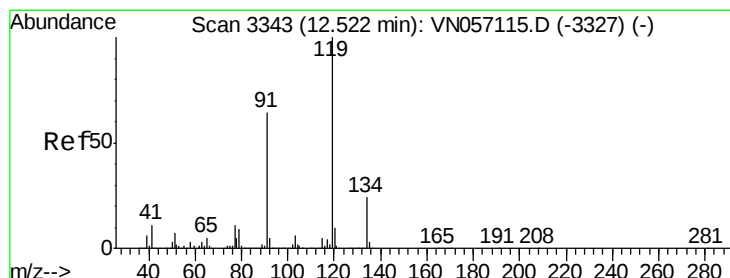
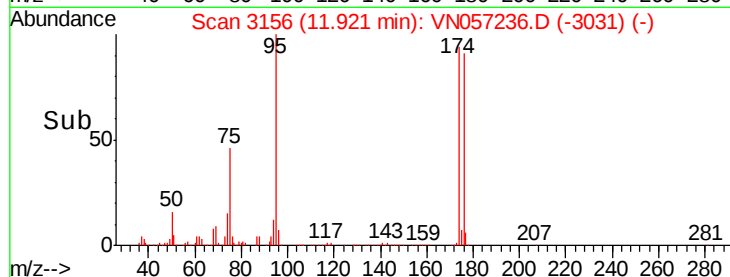
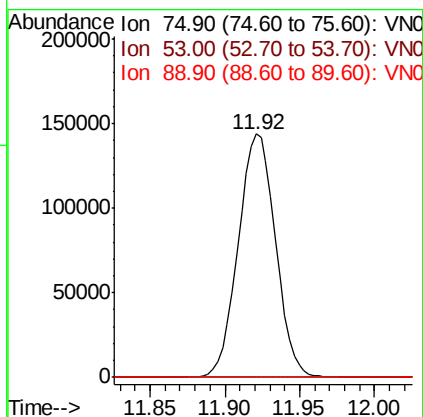
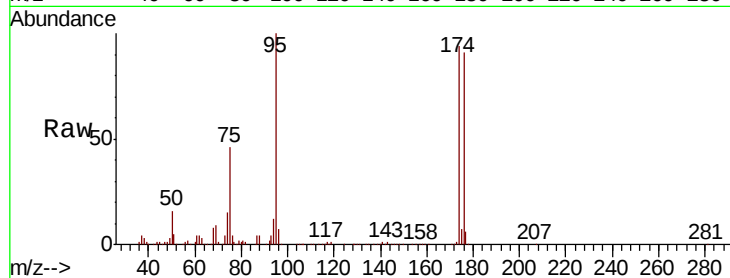




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 98.168 ug/l  
 RT: 11.92 min Scan# 3156  
 Delta R.T. 0.10 min  
 Lab File: VN057236.D  
 Acq: 12 Aug 2019 23:44

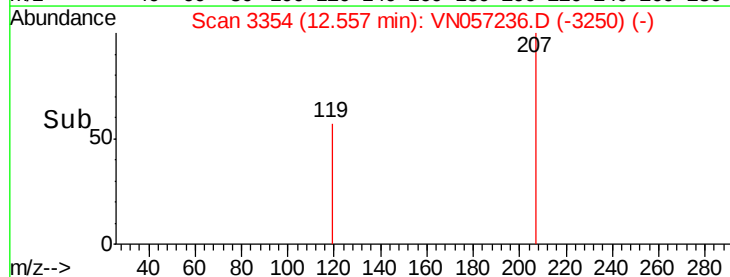
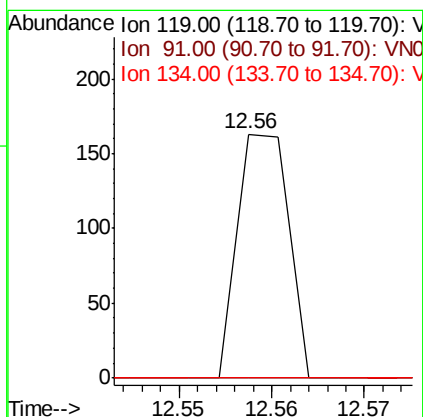
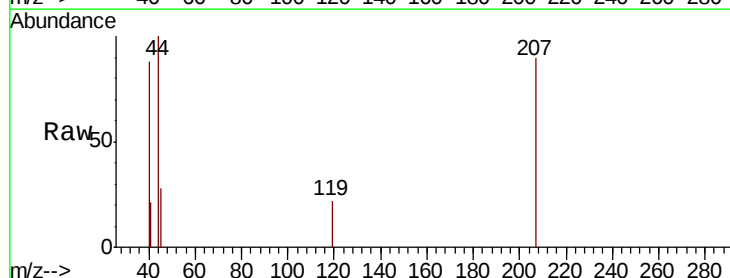
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-E-(3)

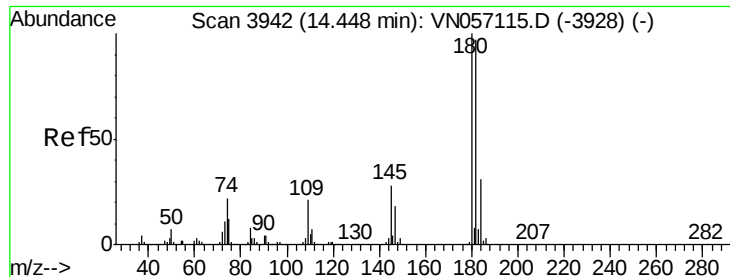
Tgt Ion: 75 Resp: 249330  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.6 106.0#  
 89 0.0 36.4 54.6#



#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 12.56 min Scan# 3354  
 Delta R.T. 0.04 min  
 Lab File: VN057236.D  
 Acq: 12 Aug 2019 23:44

Tgt Ion: 119 Resp: 63  
 Ion Ratio Lower Upper  
 119 100  
 91 0.0 31.4 94.2#  
 134 0.0 13.2 39.6#





#93

1,2,4-Trichlorobenzene

Concen: 5.941 ug/l

RT: 14.45 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN057236.D

Acq: 12 Aug 2019 23:44

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-E-(3)

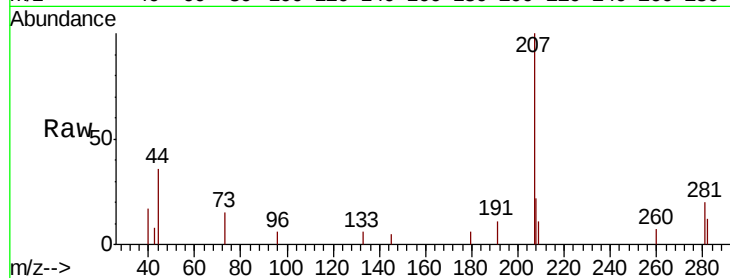
Tgt Ion:180 Resp: 64

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.6#

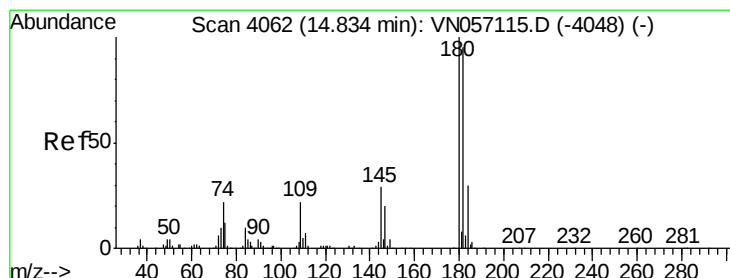
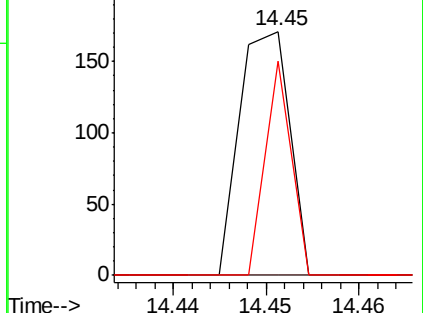
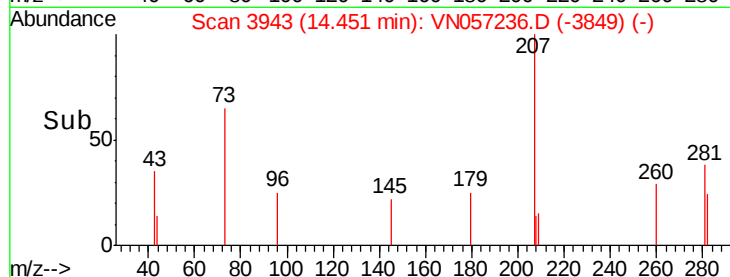
145 45.3 14.1 42.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#96

1,2,3-Trichlorobenzene

Concen: 5.740 ug/l

RT: 14.84 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VN057236.D

Acq: 12 Aug 2019 23:44

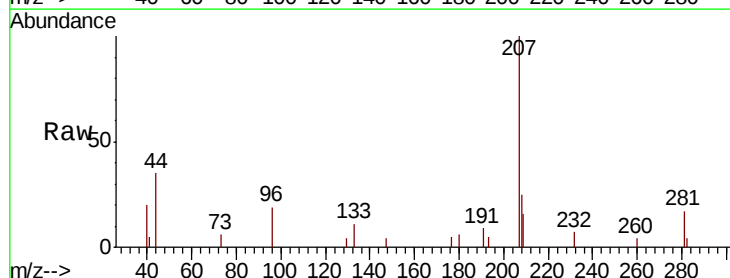
Tgt Ion:180 Resp: 117

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.8#

145 0.0 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

