

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090920\  
 Data File : VN063277.D  
 Acq On : 9 Sep 2020 13:04  
 Operator : JC/MD  
 Sample : L3915-18MEDL 10X  
 Misc : 5.40g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-PM-A2-10-14-DME

Quant Time: Sep 10 03:52:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N083120W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 01 04:21:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 408578   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 762390   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 753305   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 395091   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 314630   | 47.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.22%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 241001   | 49.27 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.54%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 965349   | 51.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.56% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 417765   | 63.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 126.88% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 2.04  | 50   | 2356     | 0.402     | ug/l # | 80     |
| 5) Bromomethane                | 2.53  | 94   | 1244     | 0.228     | ug/l   | 96     |
| 7) Trichlorofluoromethane      | 3.00  | 101  | 29       | Below Cal | #      | 19     |
| 13) Acrolein                   | 3.55  | 56   | 100      | 16.069    | ug/l # | 8      |
| 15) Acrylonitrile              | 4.94  | 53   | 141      | 2.465     | ug/l # | 17     |
| 16) Acetone                    | 3.78  | 43   | 1342     | 0.707     | ug/l   | 98     |
| 18) Methyl Acetate             | 4.29  | 43   | 2942     | 0.604     | ug/l # | 86     |
| 20) Methylene Chloride         | 4.50  | 84   | 997      | Below Cal | #      | 83     |
| 25) 2-Butanone                 | 6.79  | 43   | 1484     | 0.505     | ug/l # | 50     |
| 29) Tetrahydrofuran            | 7.18  | 42   | 488      | 0.240     | ug/l # | 40     |
| 31) Cyclohexane                | 7.62  | 56   | 13548    | Below Cal | #      | 46     |
| 36) 1,1-Dichloropropene        | 7.62  | 75   | 37683    | 5.141     | ug/l # | 50     |
| 37) Ethyl Acetate              | 6.88  | 43   | 185      | 0.407     | ug/l # | 55     |
| 38) Carbon Tetrachloride       | 7.63  | 117  | 44810    | 6.029     | ug/l # | 15     |
| 39) Methylcyclohexane          | 9.05  | 83   | 15380    | 1.868     | ug/l # | 93     |
| 48) Methyl methacrylate        | 9.05  | 41   | 10333    | 1.918     | ug/l # | 66     |
| 49) 1,4-Dioxane                | 9.17  | 88   | 207      | 2.484     | ug/l # | 57     |
| 55) 1,1,2-Trichloroethane      | 10.50 | 97   | 10611    | 2.065     | ug/l # | 20     |
| 59) 2-Hexanone                 | 10.69 | 43   | 32519    | 7.124     | ug/l # | 31     |
| 67) Ethyl Benzene              | 11.49 | 91   | 768432   | 27.762    | ug/l   | 100    |
| 68) m/p-Xylenes                | 11.59 | 106  | 1223862  | 119.385   | ug/l   | 100    |
| 69) o-Xylene                   | 11.92 | 106  | 380617   | 38.433    | ug/l   | 94     |
| 70) Styrene                    | 11.92 | 104  | 20304    | 1.193     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.23 | 105  | 150854   | 4.978     | ug/l   | 97     |
| 74) N-amyl acetate             | 12.02 | 43   | 26737    | 2.130     | ug/l # | 56     |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75   | 253522   | 32.659    | ug/l # | 100    |
| 77) Bromobenzene               | 12.47 | 156  | 2337864  | 341.129   | ug/l # | 1      |
| 78) n-propylbenzene            | 12.57 | 91   | 243008   | 6.930     | ug/l   | 98     |
| 79) 2-Chlorotoluene            | 12.63 | 91   | 22857    | 1.088     | ug/l # | 42     |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 96818    | 3.838     | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 253522   | 78.936    | ug/l # | 11     |
| 82) 4-Chlorotoluene            | 12.71 | 91   | 12445    | 0.571     | ug/l # | 42     |
| 83) tert-Butylbenzene          | 12.97 | 119  | 7705     | 0.356     | ug/l # | 86     |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 407986   | 16.047    | ug/l   | 94     |

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WC-PM-A2-10-14-DME

Quant Time: Sep 10 03:52:42 2020  
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Quant Title : SW846 8260  
QLast Update : Tue Sep 01 04:21:28 2020  
Response via : Initial Calibration

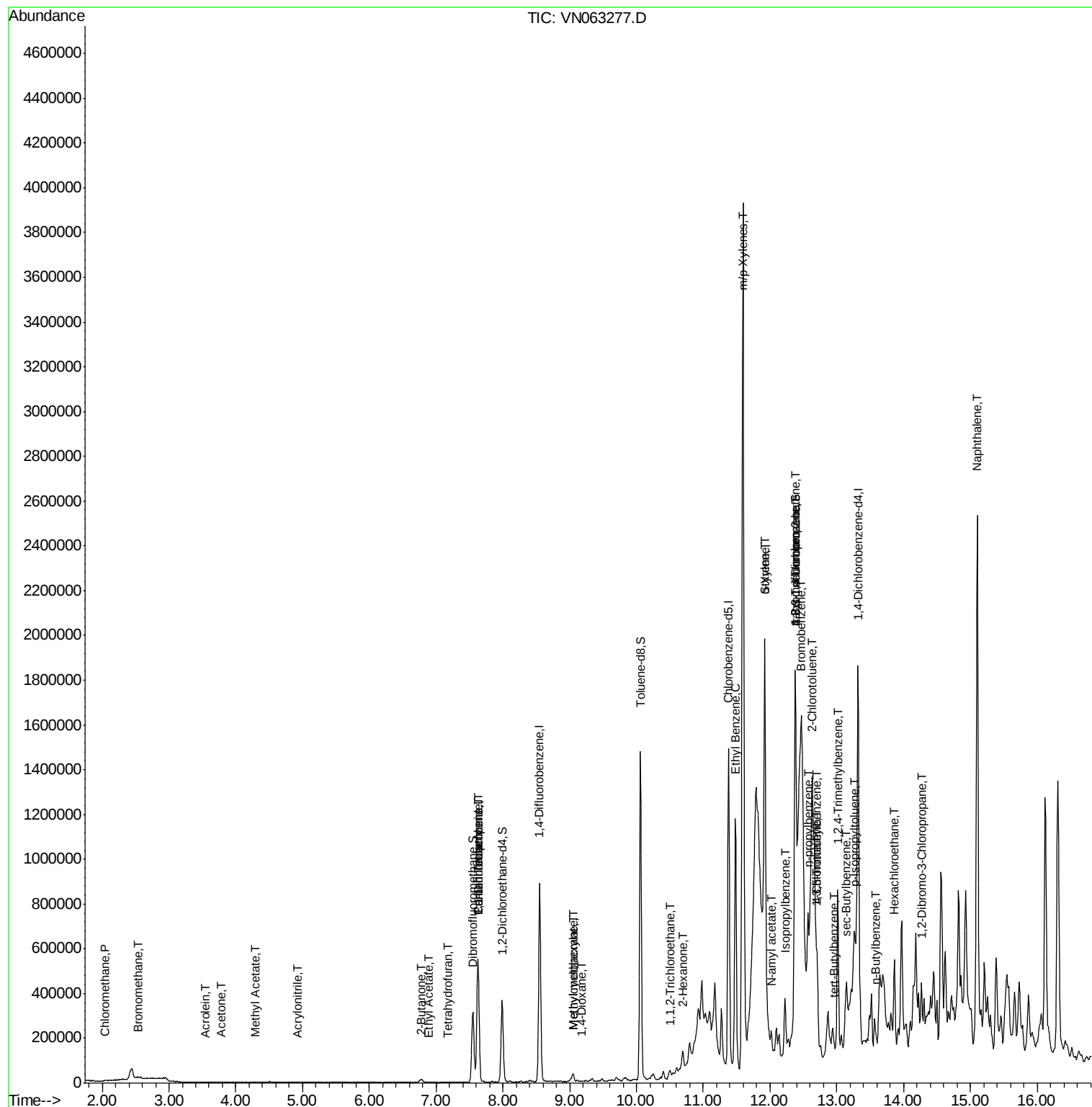
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 85) sec-Butylbenzene           | 13.15 | 105  | 44893    | 1.592  | ug/l # | 71       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 23387    | 0.934  | ug/l   | 86       |
| 89) n-Butylbenzene             | 13.59 | 91   | 47684    | 2.062  | ug/l # | 76       |
| 90) Hexachloroethane           | 13.86 | 117  | 17410    | 3.757  | ug/l # | 20       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 1402     | 0.730  | ug/l # | 18       |
| 95) Naphthalene                | 15.10 | 128  | 1762326  | 77.387 | ug/l   | 99       |

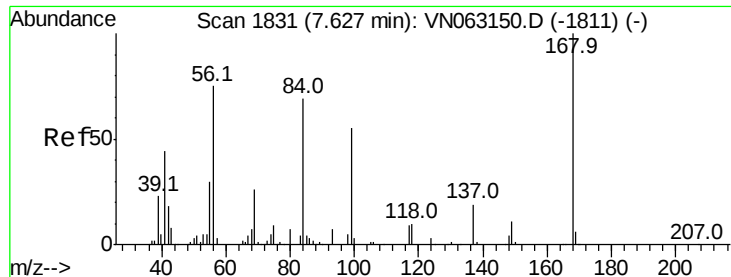
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

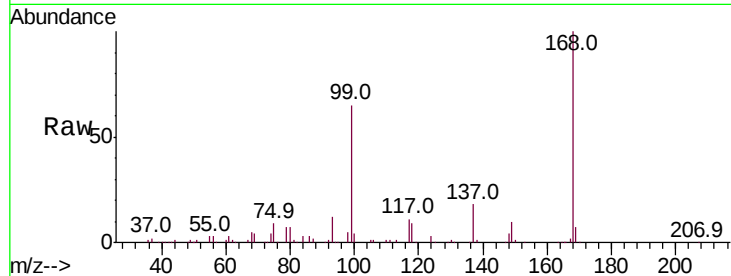
WC-PM-A2-10-14-DME

Tot Ion:168 Resp: 408578

Ion Ratio Lower Upper

168 100

99 64.6 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063150.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063150.D (-1811) (-)

7.63

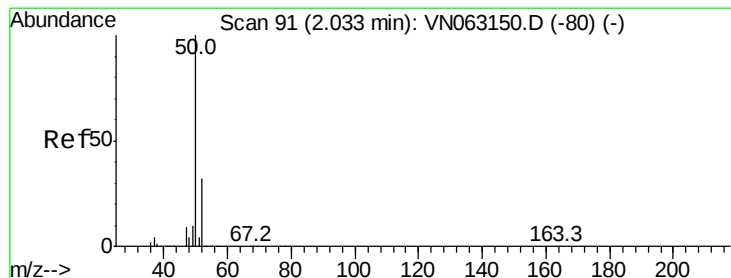
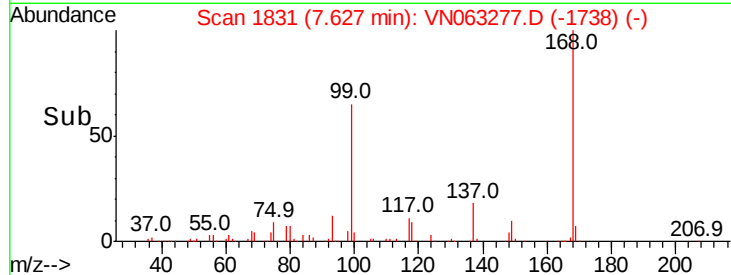
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.402 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063277.D

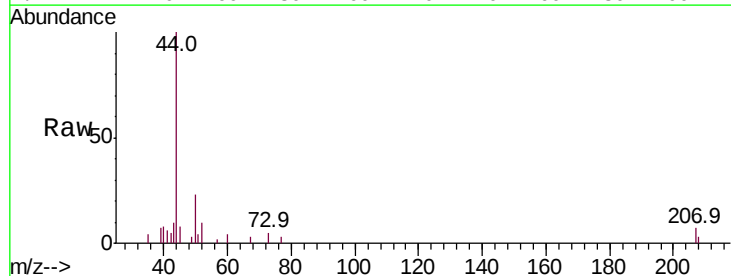
Acq: 9 Sep 2020 13:04

Tgt Ion: 50 Resp: 2356

Ion Ratio Lower Upper

50 100

52 43.2 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN063150.D (-80) (-)

Ion 51.90 (51.60 to 52.60): VN063150.D (-80) (-)

2.04

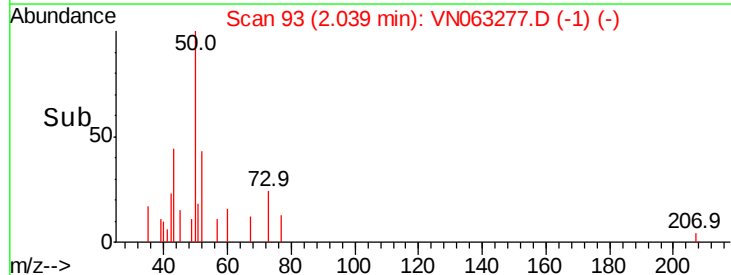
1500

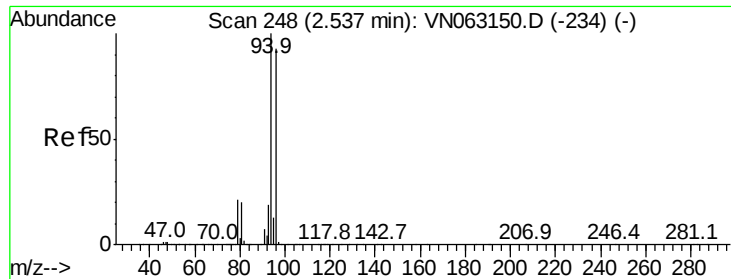
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.228 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

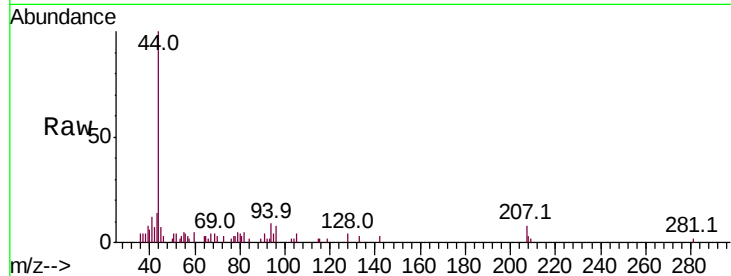
WC-PM-A2-10-14-DME

Tot Ion: 94 Resp: 1244

Ion Ratio Lower Upper

94 100

96 89.0 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

800

600

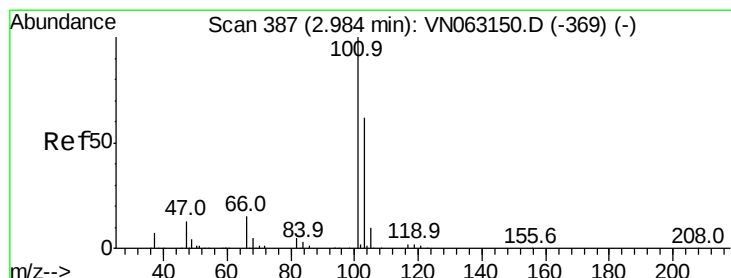
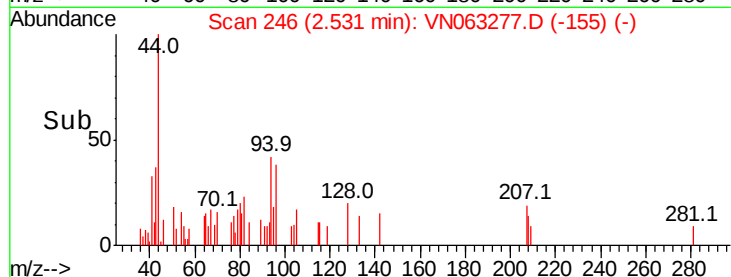
400

200

0

2.48 2.50 2.52 2.54

Time-->



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.00 min Scan# 393

Delta R.T. 0.02 min

Lab File: VN063277.D

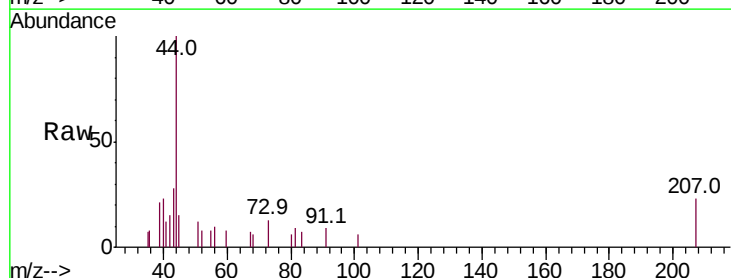
Acq: 9 Sep 2020 13:04

Tgt Ion:101 Resp: 29

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

300

250

200

150

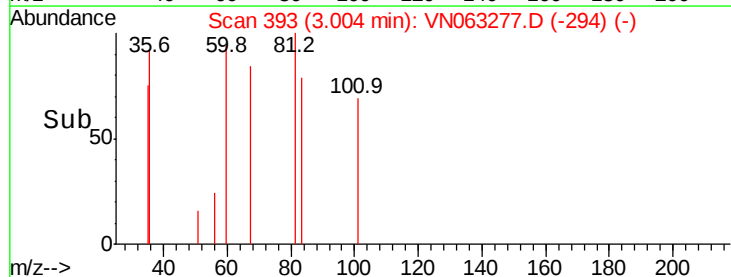
100

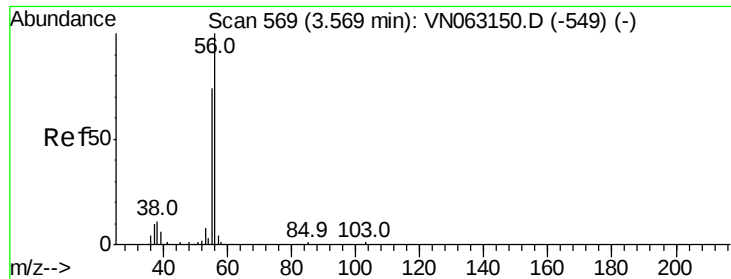
50

0

3.00 3.00 3.00 3.01

Time-->





#13

Acrolein

Concen: 16.069 ug/l

RT: 3.55 min Scan# 564

Delta R.T. -0.02 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

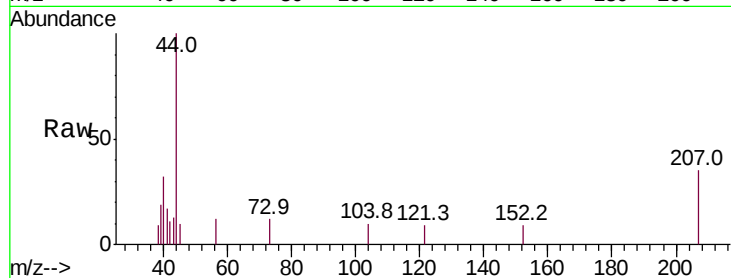
WC-PM-A2-10-14-DME

Tot Ion: 56 Resp: 100

Ion Ratio Lower Upper

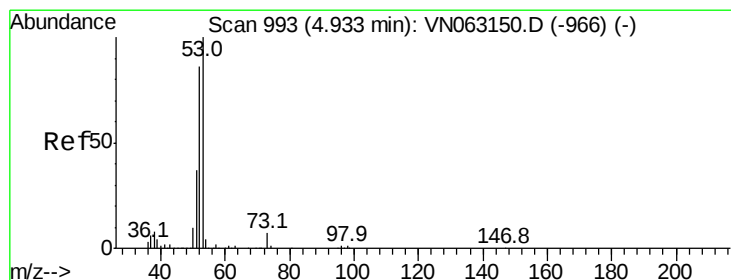
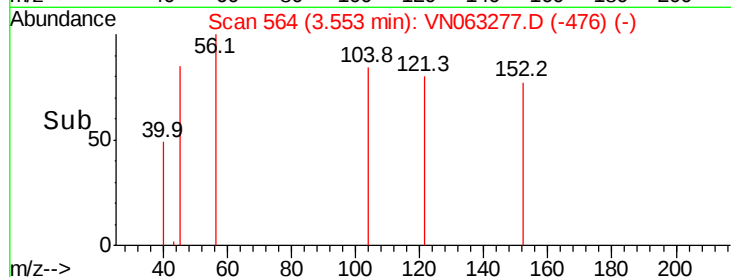
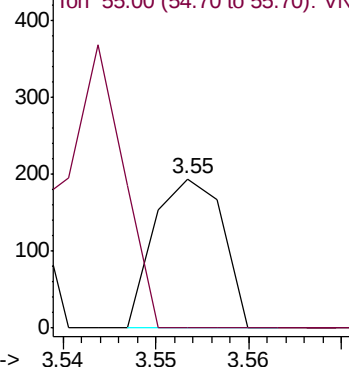
56 100

55 144.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acrylonitrile

Concen: 2.465 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

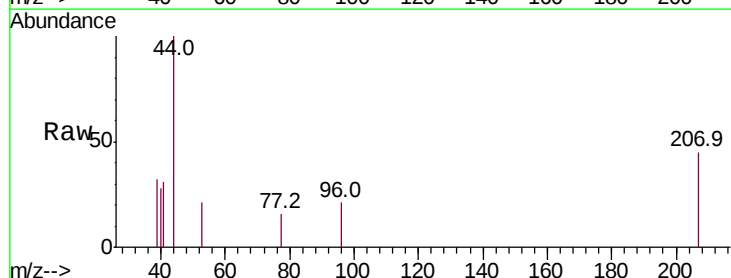
Tgt Ion: 53 Resp: 141

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

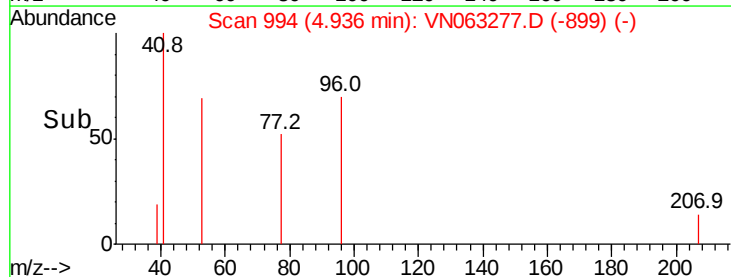
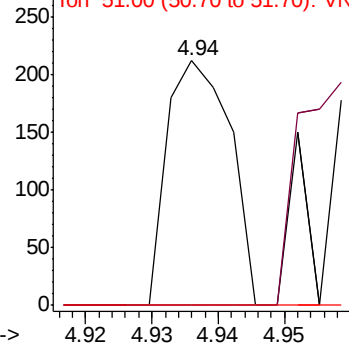
51 0.0 30.2 45.4#

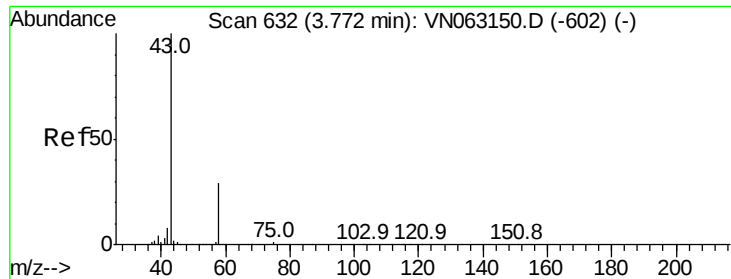


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#16

Acetone

Concen: 0.707 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

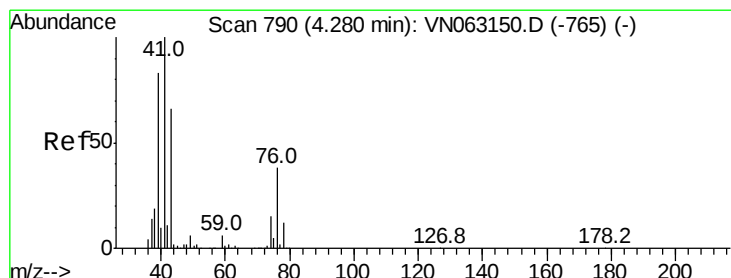
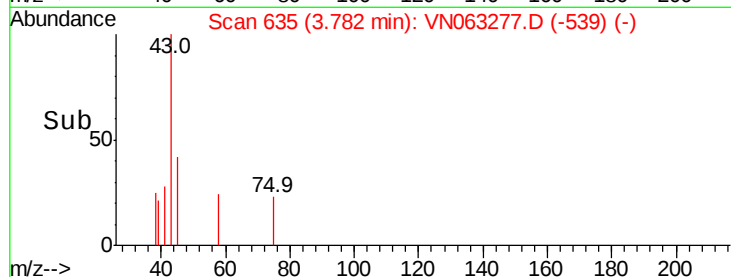
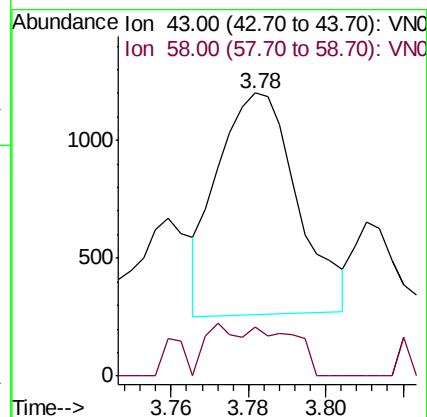
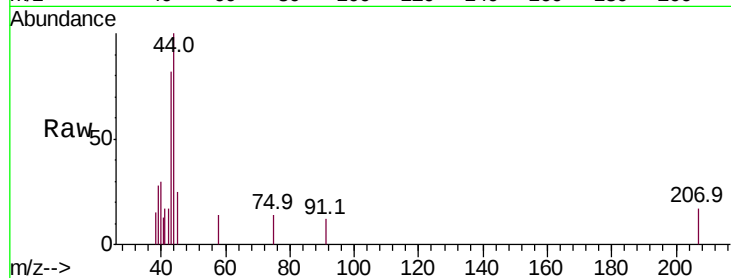
WC-PM-A2-10-14-DME

Tot Ion: 43 Resp: 1342

Ion Ratio Lower Upper

43 100

58 28.0 23.1 34.7



#18

Methyl Acetate

Concen: 0.604 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN063277.D

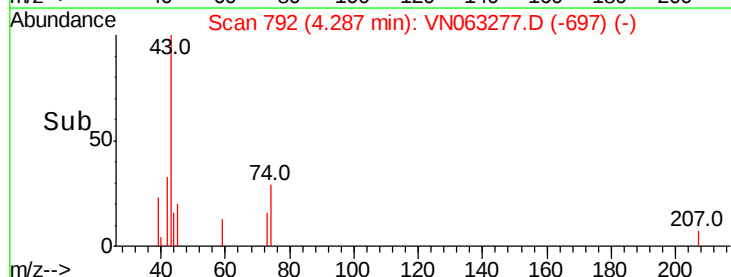
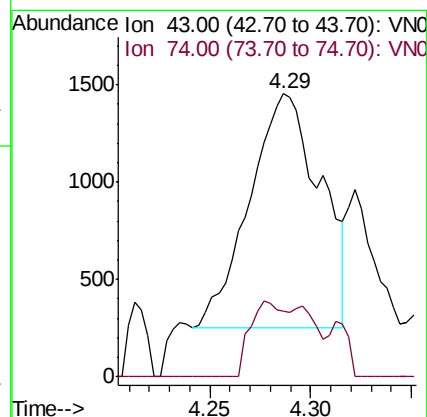
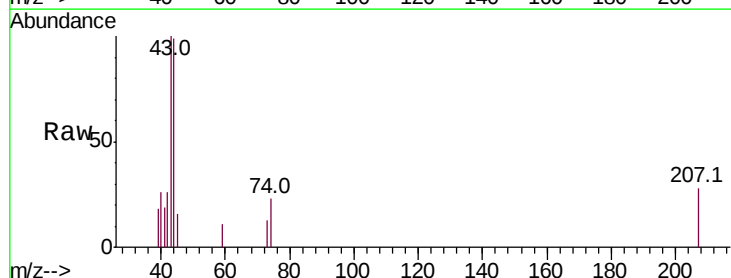
Acq: 9 Sep 2020 13:04

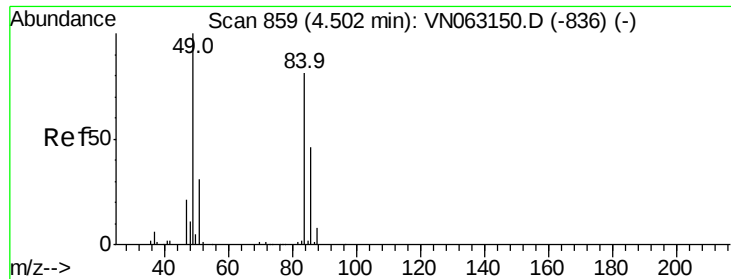
Tgt Ion: 43 Resp: 2942

Ion Ratio Lower Upper

43 100

74 17.0 19.0 28.6#

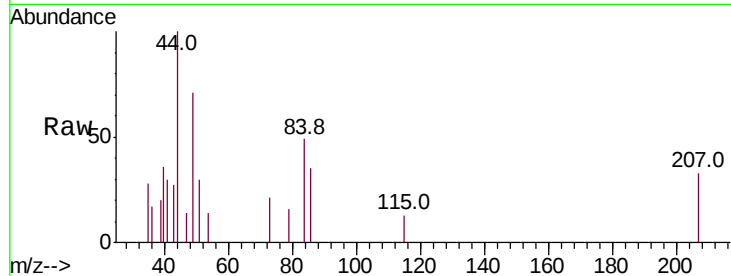




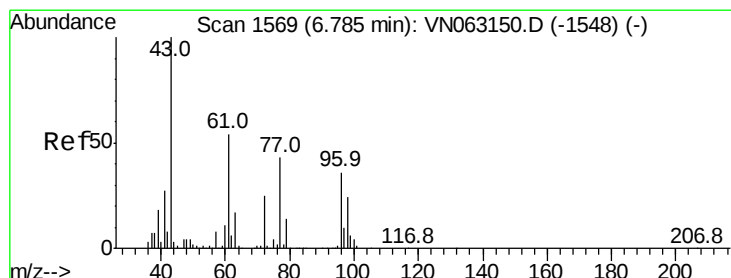
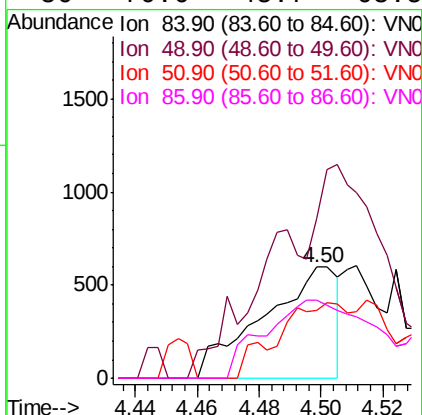
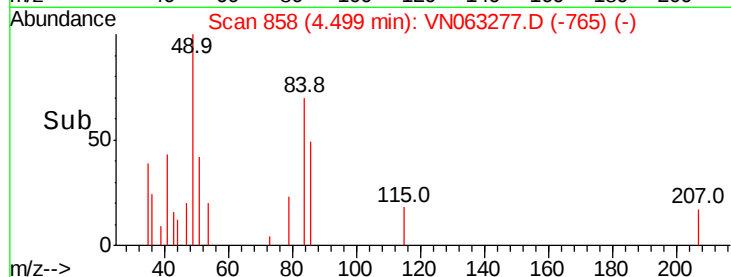
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.50 min Scan# 858  
Delta R.T. -0.00 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-PM-A2-10-14-DME

Tot Ion: 84 Resp: 997  
Ion Ratio Lower Upper  
84 100  
49 143.6 98.4 147.6  
51 29.8 30.4 45.6#  
86 70.6 45.7 68.5#

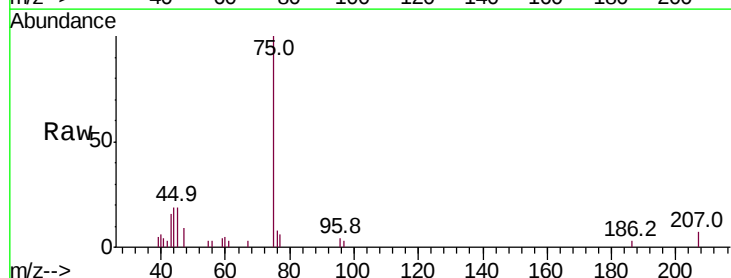


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

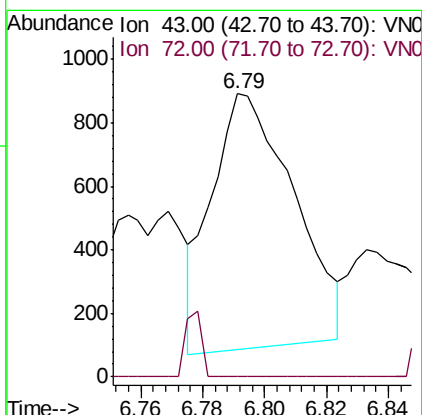
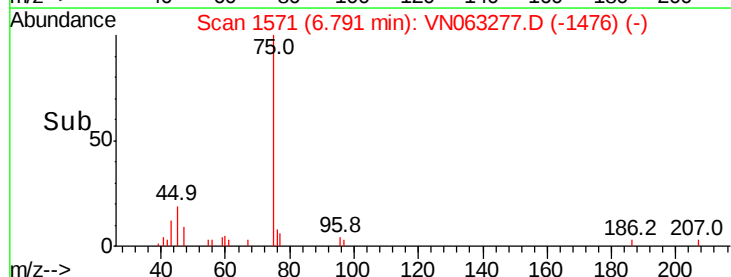


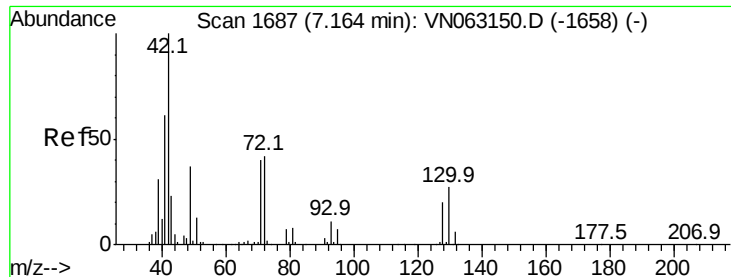
#25  
2-Butanone  
Concen: 0.505 ug/l  
RT: 6.79 min Scan# 1571  
Delta R.T. 0.01 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

Tgt Ion: 43 Resp: 1484  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

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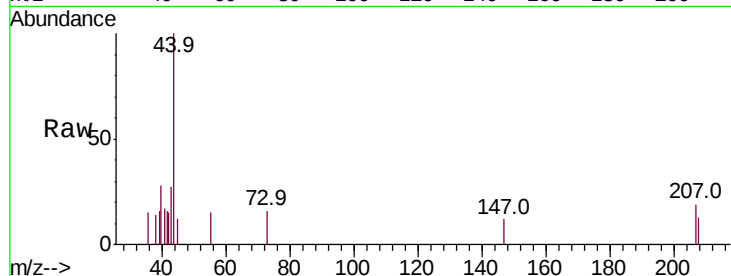
Tot Ion: 42 Resp: 488

Ion Ratio Lower Upper

42 100

72 7.6 33.9 50.9#

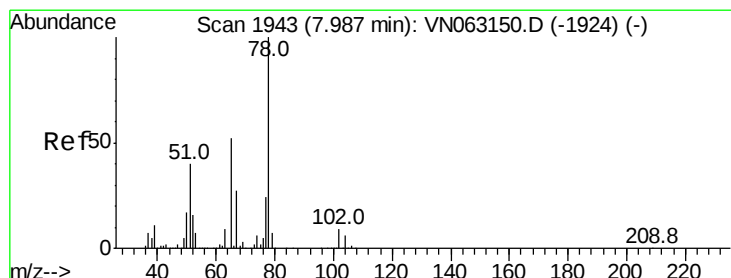
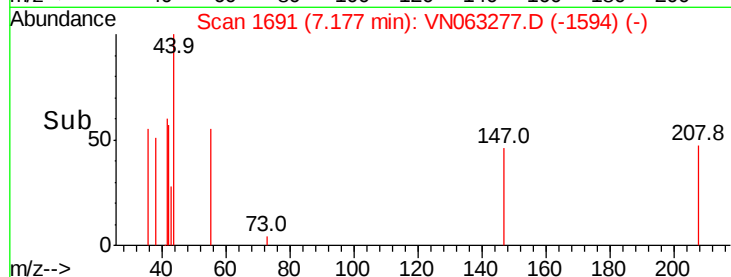
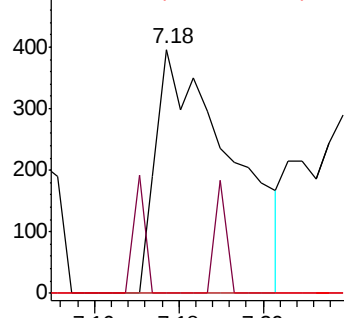
71 0.0 31.9 47.9#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.107 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063277.D

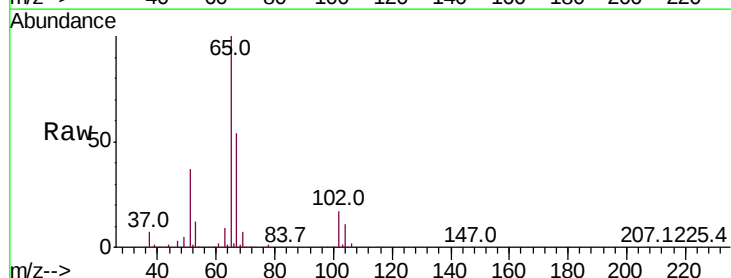
Acq: 9 Sep 2020 13:04

Tgt Ion: 65 Resp: 314630

Ion Ratio Lower Upper

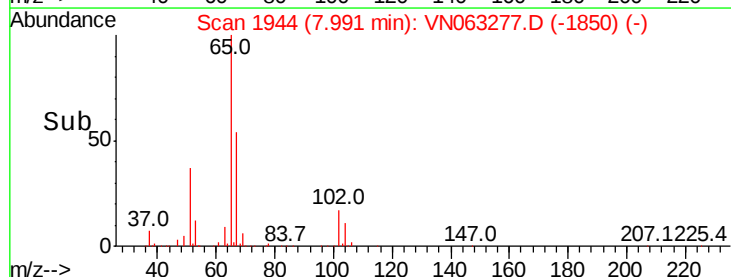
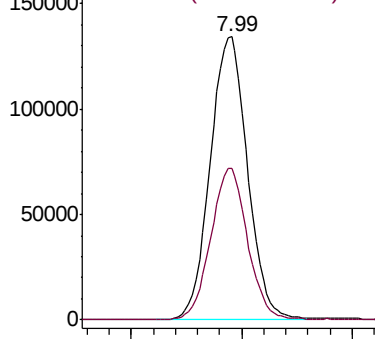
65 100

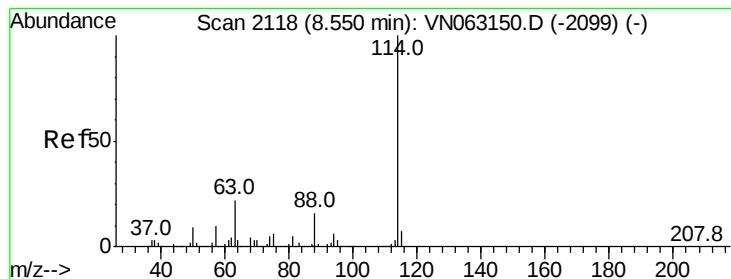
67 52.8 0.0 104.4



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: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

WC-PM-A2-10-14-DME

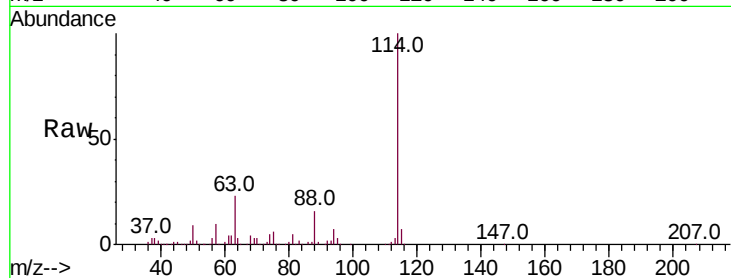
Tot Ion:114 Resp: 762390

Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.0

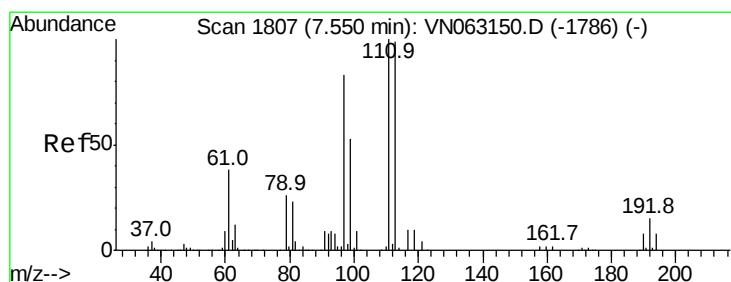
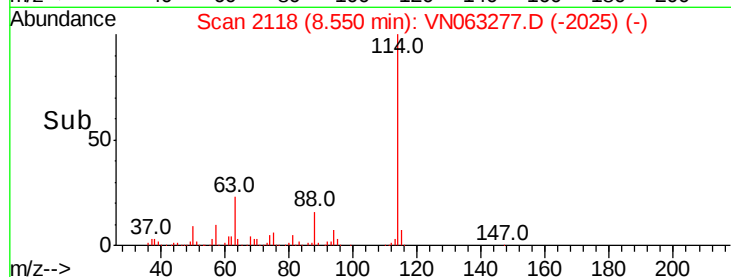
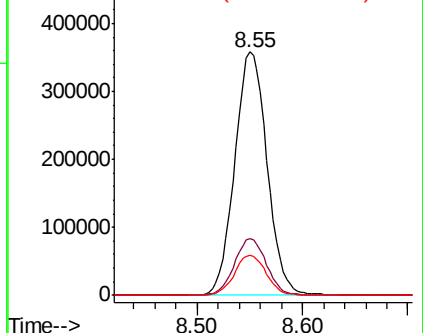
88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.273 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

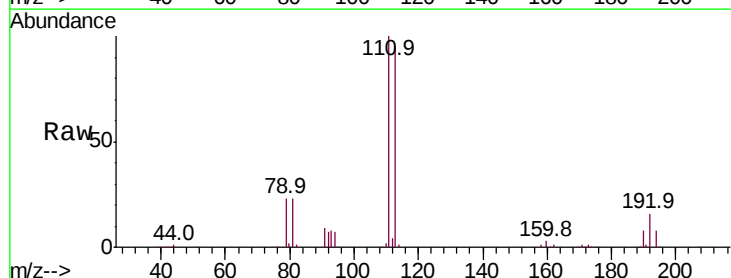
Tgt Ion:113 Resp: 241001

Ion Ratio Lower Upper

113 100

111 103.5 80.7 121.1

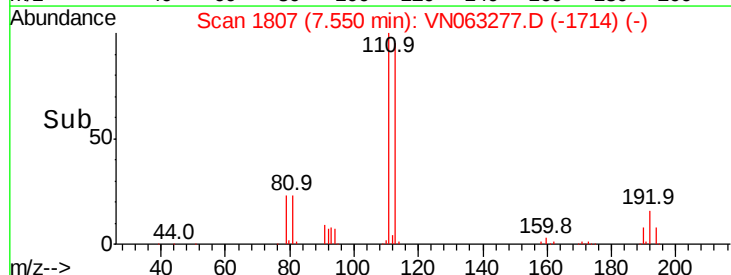
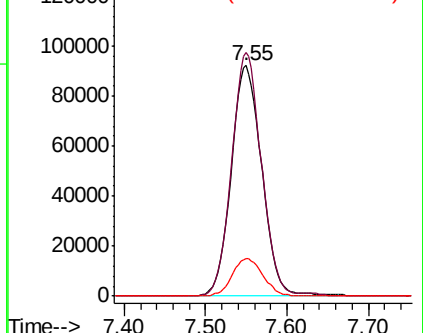
192 16.3 12.6 19.0

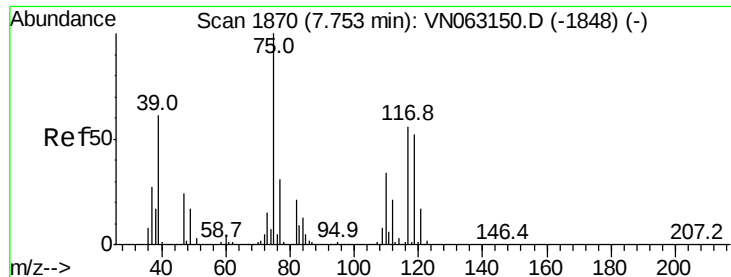


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.141 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

WC-PM-A2-10-14-DME

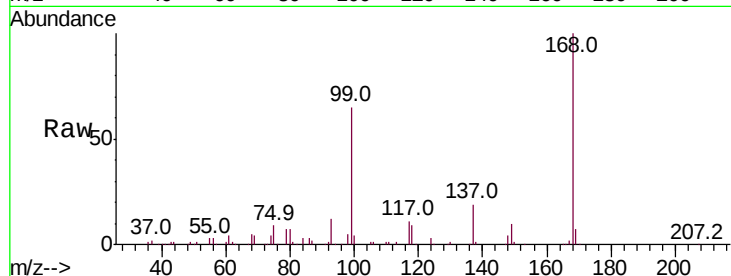
Tot Ion: 75 Resp: 37683

Ion Ratio Lower Upper

75 100

110 8.8 16.6 49.8#

77 0.4 25.4 38.2#



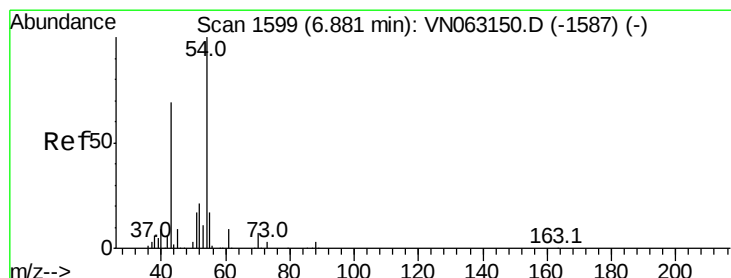
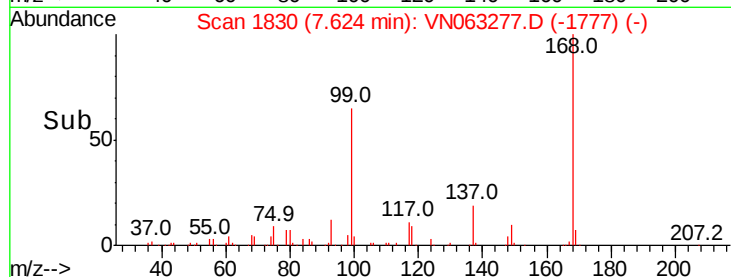
Abundance Ion 74.90 (74.60 to 75.60): VN063277.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063277.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063277.D (-1777) (-)

7.62

Time-->



#37

Ethyl Acetate

Concen: 0.407 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

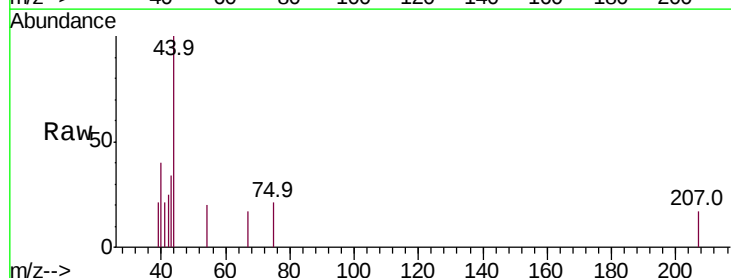
Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 32.4 3.0 4.6#



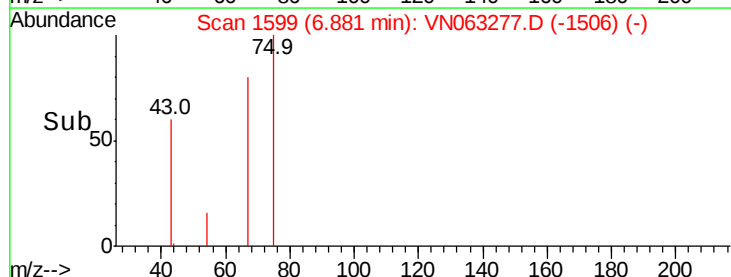
Abundance Ion 43.00 (42.70 to 43.70): VN063277.D (-1506) (-)

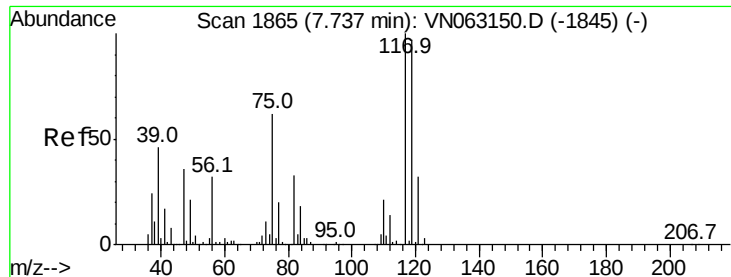
Ion 60.90 (60.60 to 61.60): VN063277.D (-1506) (-)

Ion 70.00 (69.70 to 70.70): VN063277.D (-1506) (-)

6.88

Time-->





#38

Carbon Tetrachloride

Concen: 6.029 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

WC-PM-A2-10-14-DME

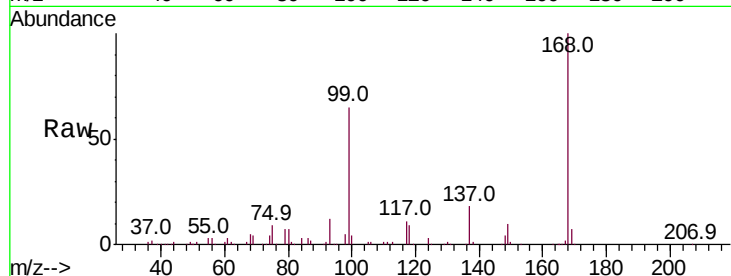
Tot Ion:117 Resp: 44810

Ion Ratio Lower Upper

117 100

119 4.6 77.2 115.8#

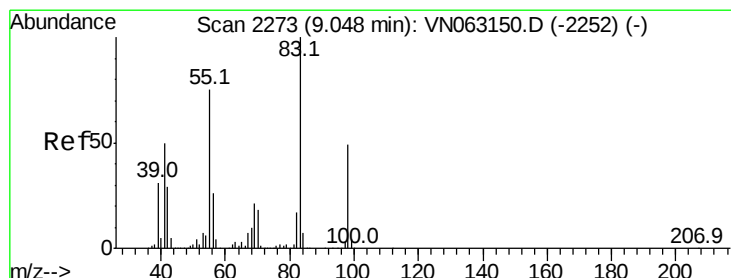
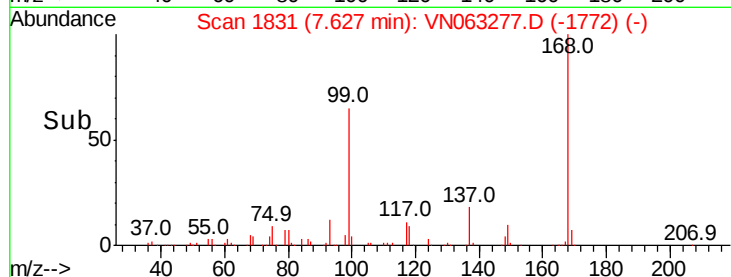
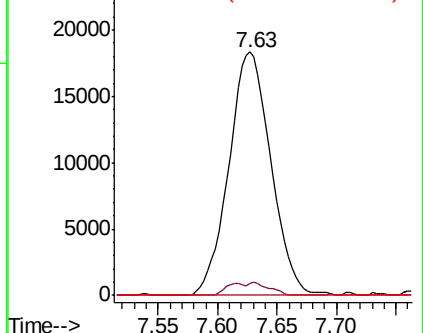
121 0.0 25.6 38.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.868 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

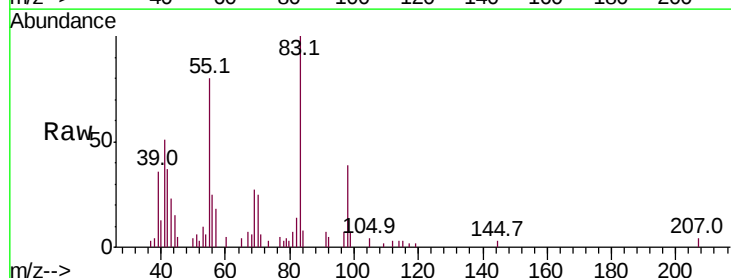
Tgt Ion: 83 Resp: 15380

Ion Ratio Lower Upper

83 100

55 72.9 60.3 90.5

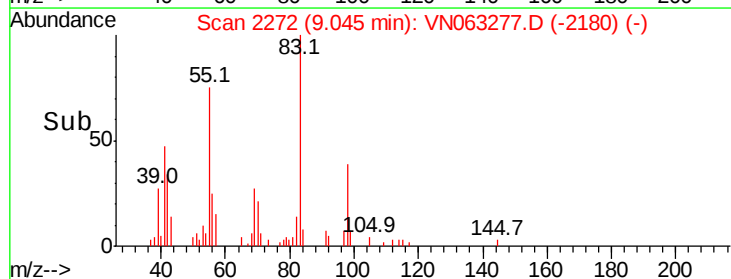
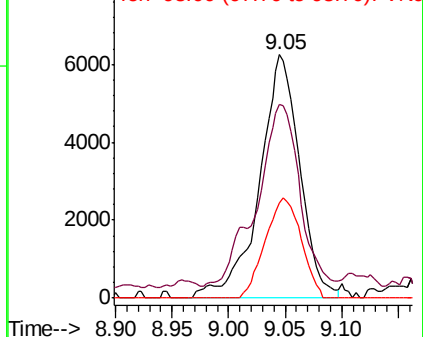
98 38.9 38.9 58.3#

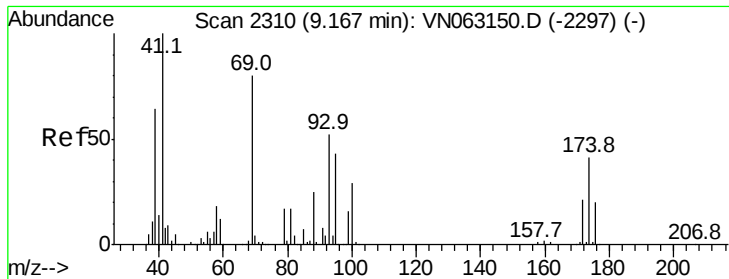


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

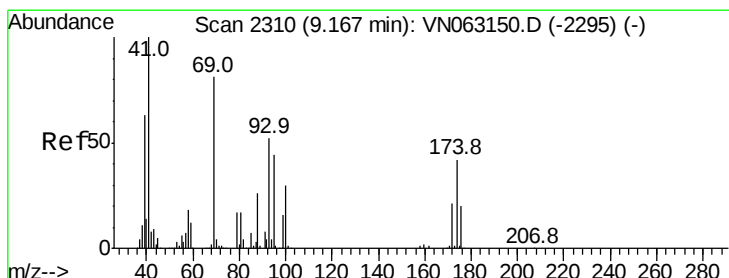
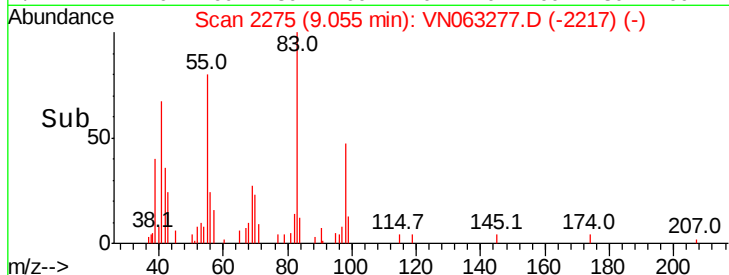
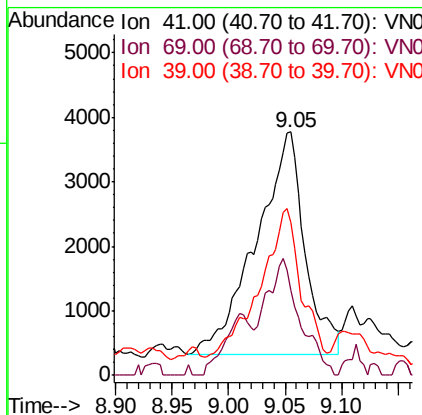
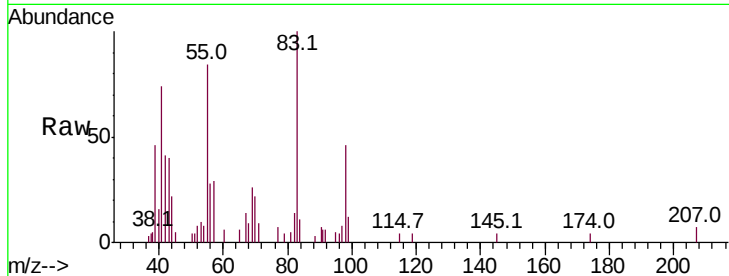




#48  
Methvl methacrylate  
Concen: 1.918 ug/l  
RT: 9.05 min Scan# 2275  
Delta R.T. -0.11 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

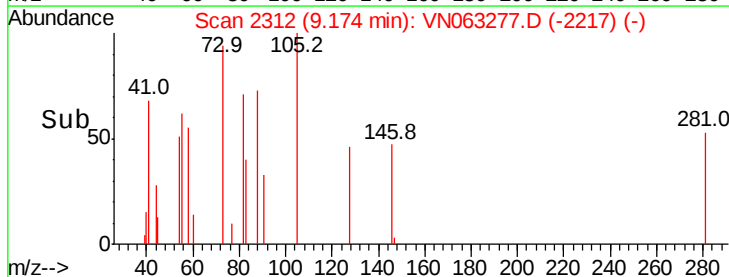
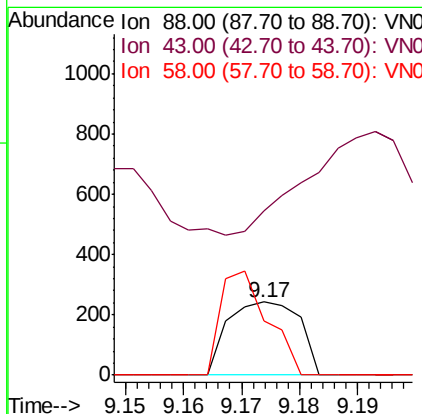
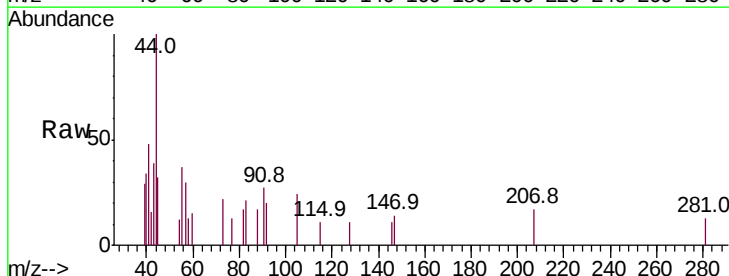
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-PM-A2-10-14-DME

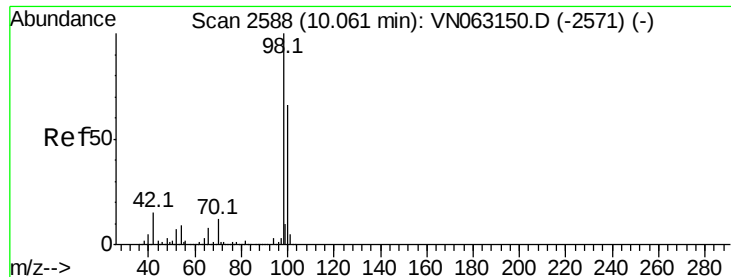
Tot Ion: 41 Resp: 10333  
Ion Ratio Lower Upper  
41 100  
69 36.3 65.9 98.9#  
39 55.5 52.0 78.0



#49  
1,4-Dioxane  
Concen: 2.484 ug/l  
RT: 9.17 min Scan# 2312  
Delta R.T. 0.01 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

Tgt Ion: 88 Resp: 207  
Ion Ratio Lower Upper  
88 100  
43 0.0 28.6 42.8#  
58 93.2 53.2 79.8#





#50

Toluene-d8

Concen: 51.278 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

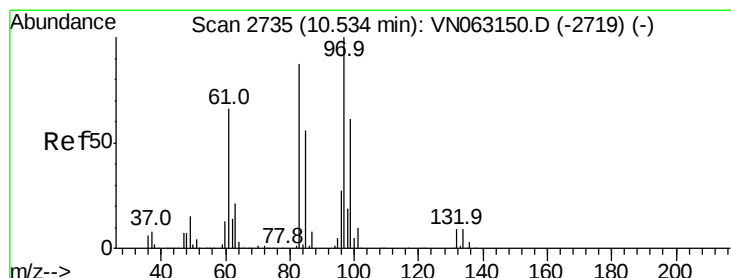
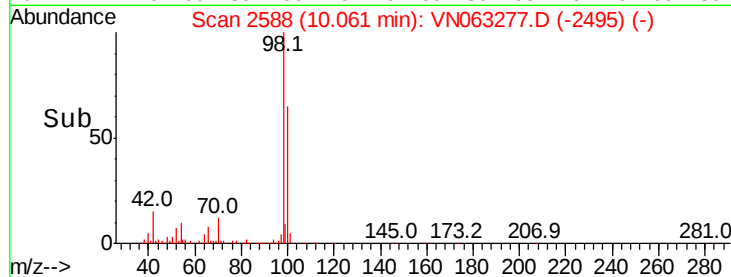
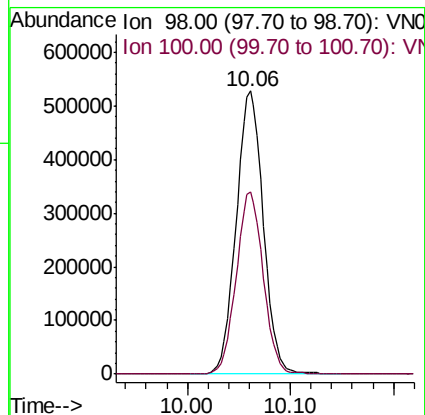
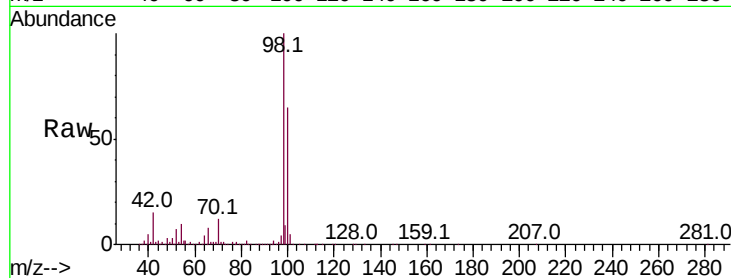
WC-PM-A2-10-14-DME

Tot Ion: 98 Resp: 965349

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#55

1,1,2-Trichloroethane

Concen: 2.065 ug/l

RT: 10.50 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Tgt Ion: 97 Resp: 10611

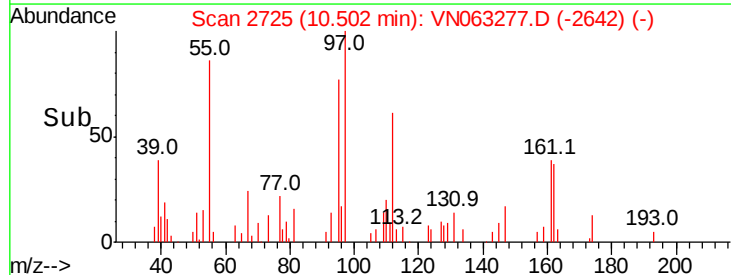
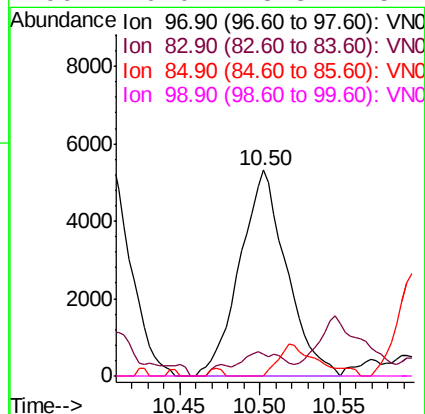
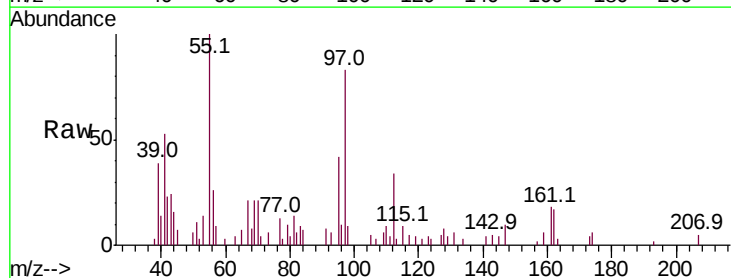
Ion Ratio Lower Upper

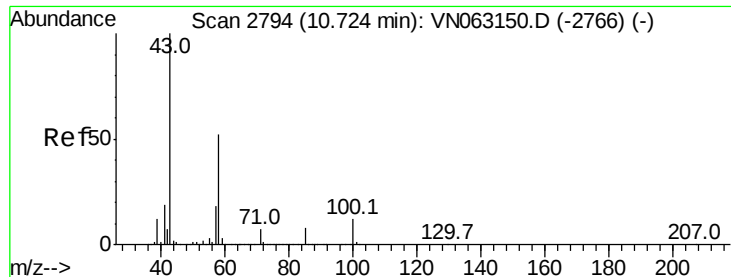
97 100

83 10.6 69.8 104.8#

85 0.0 44.9 67.3#

99 0.0 48.8 73.2#

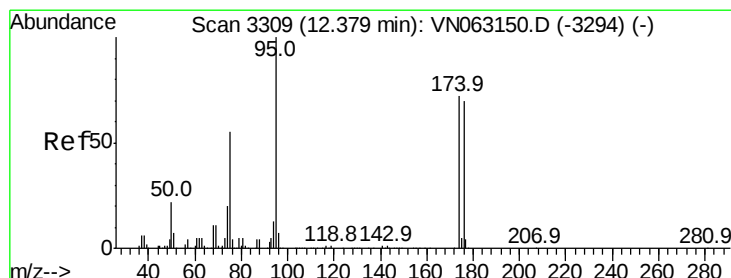
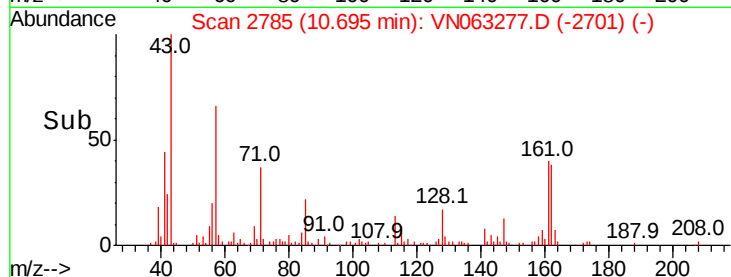
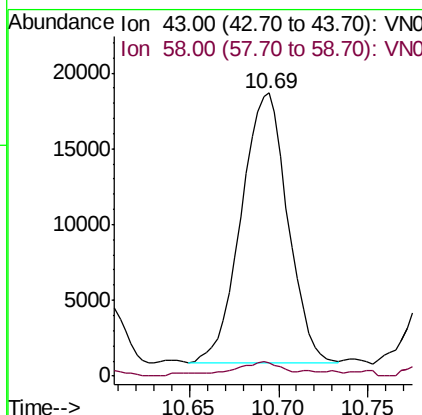
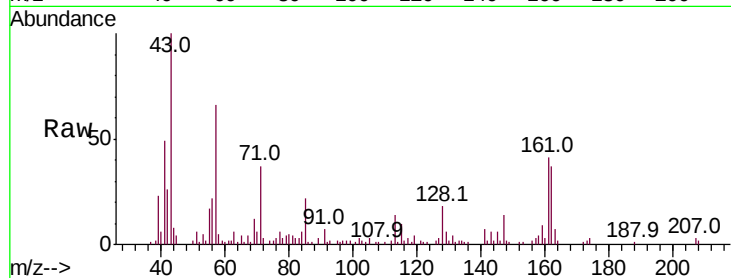




#59  
2-Hexanone  
Concen: 7.124 ug/l  
RT: 10.69 min Scan# 2785  
Delta R.T. -0.03 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

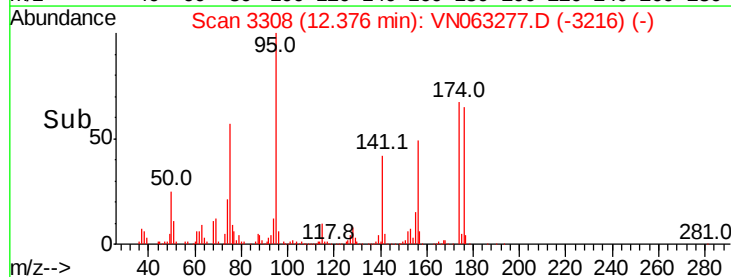
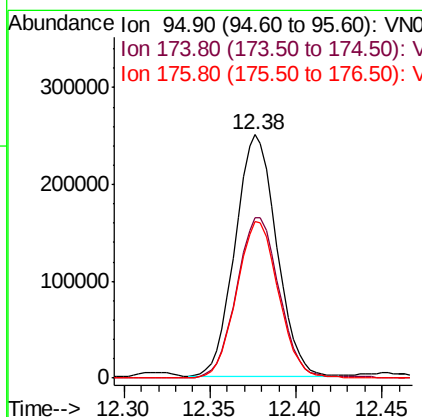
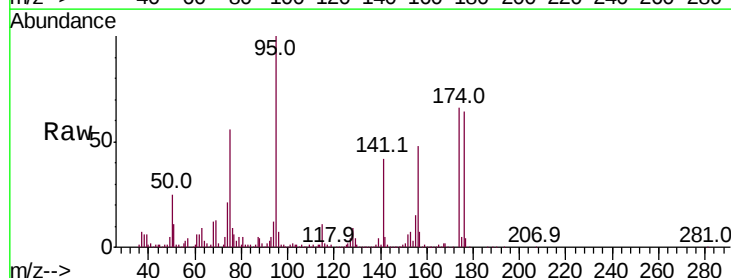
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-PM-A2-10-14-DME

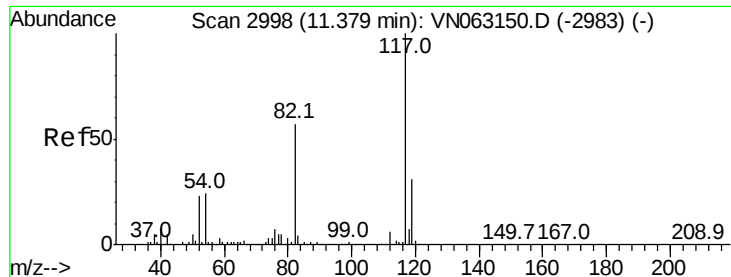
Tot Ion: 43 Resp: 32519  
Ion Ratio Lower Upper  
43 100  
58 3.5 25.9 77.8#



#62  
4-Bromofluorobenzene  
Concen: 63.438 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. -0.00 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

Tgt Ion: 95 Resp: 417765  
Ion Ratio Lower Upper  
95 100  
174 68.6 0.0 143.8  
176 65.7 0.0 138.4

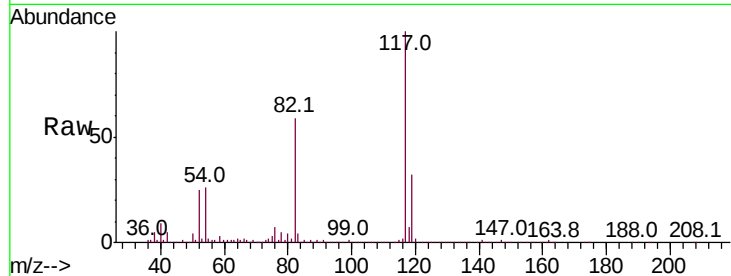




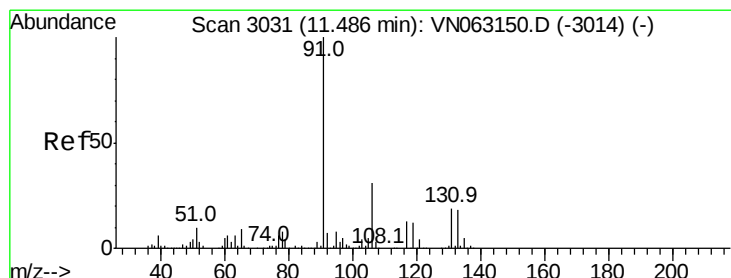
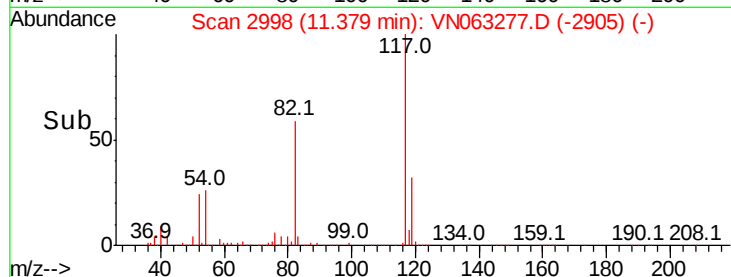
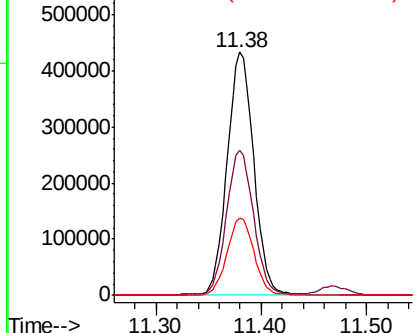
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-PM-A2-10-14-DME

Tot Ion:117 Resp: 753305  
Ion Ratio Lower Upper  
117 100  
82 59.1 45.4 68.0  
119 31.8 24.6 37.0

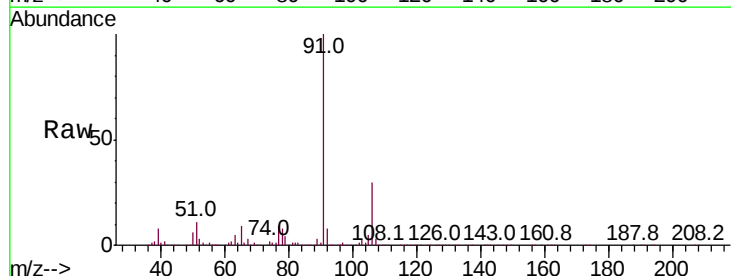


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

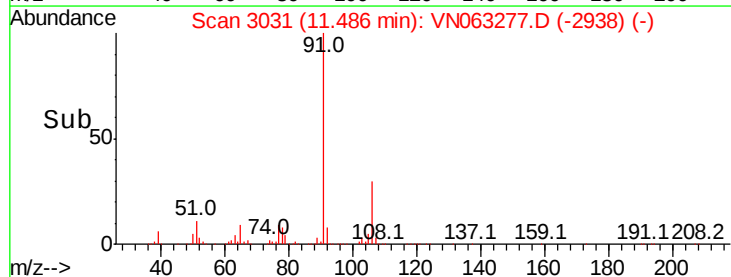
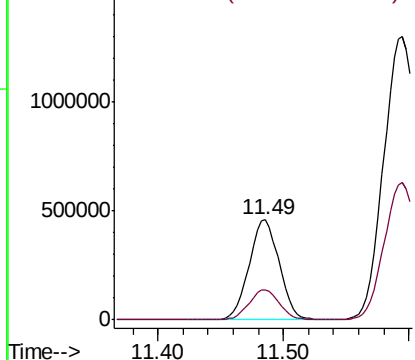


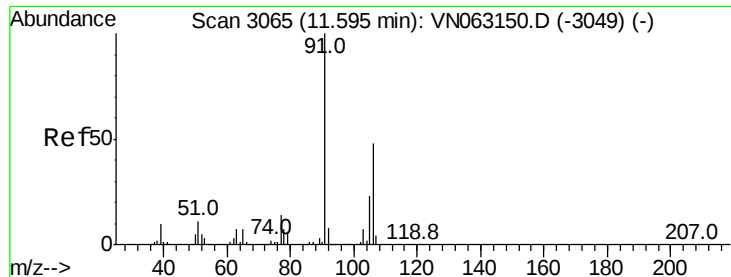
#67  
Ethyl Benzene  
Concen: 27.762 ug/l  
RT: 11.49 min Scan# 3031  
Delta R.T. 0.00 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

Tgt Ion: 91 Resp: 768432  
Ion Ratio Lower Upper  
91 100  
106 30.2 24.4 36.6



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





#68

m/p-Xylenes

Concen: 119.385 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

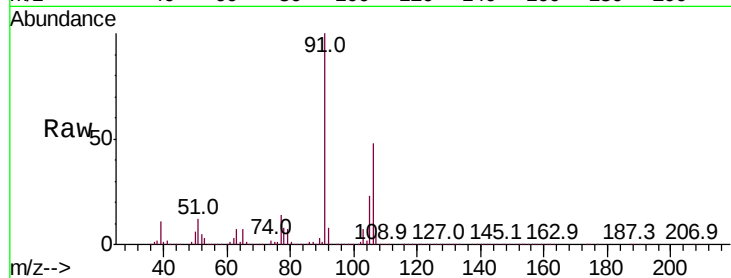
WC-PM-A2-10-14-DME

Tot Ion:106 Resp: 1223862

Ion Ratio Lower Upper

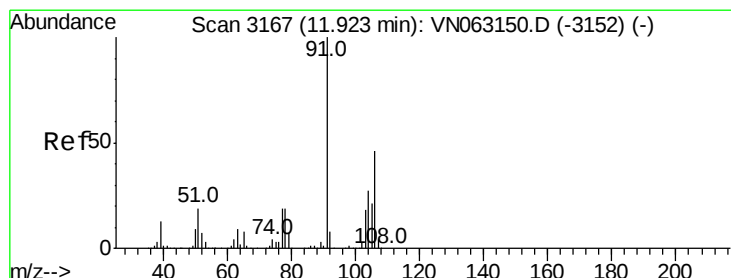
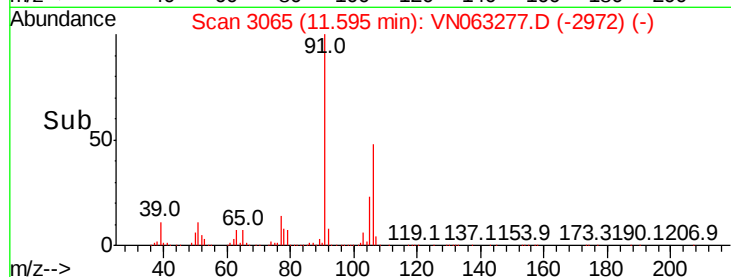
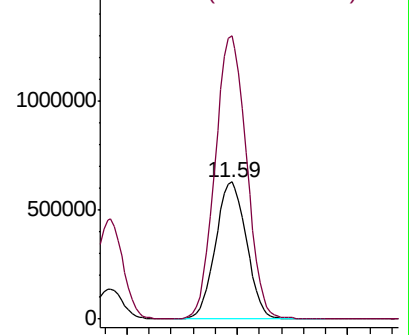
106 100

91 208.9 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

1500000 Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 38.433 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063277.D

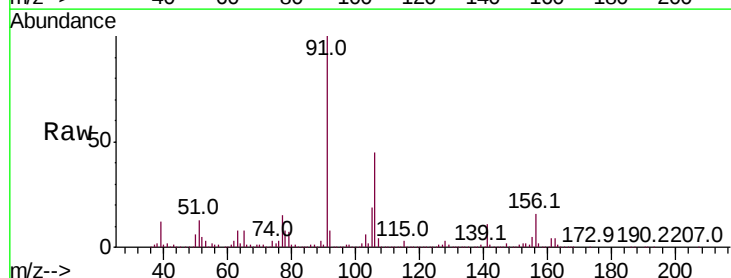
Acq: 9 Sep 2020 13:04

Tgt Ion:106 Resp: 380617

Ion Ratio Lower Upper

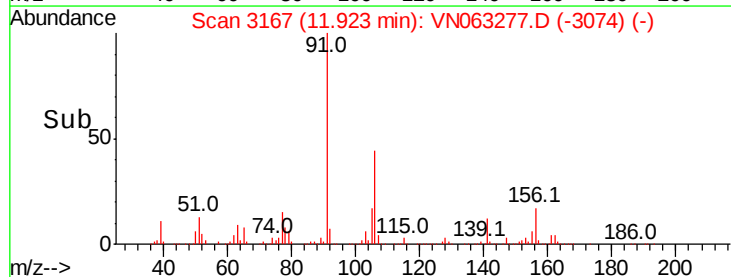
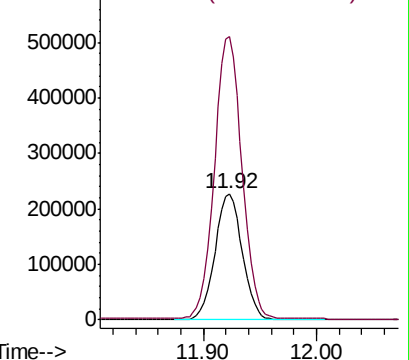
106 100

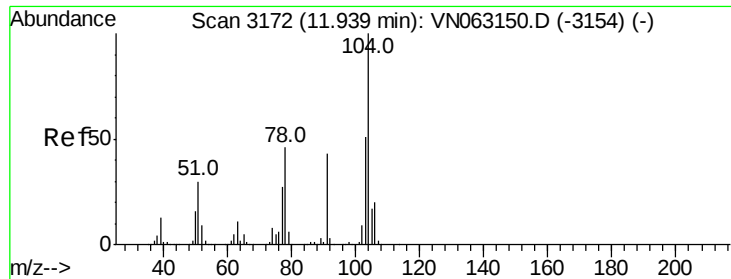
91 226.9 108.6 325.6



Abundance Ion 106.00 (105.70 to 106.70): V

600000 Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 1.193 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. -0.02 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

WC-PM-A2-10-14-DME

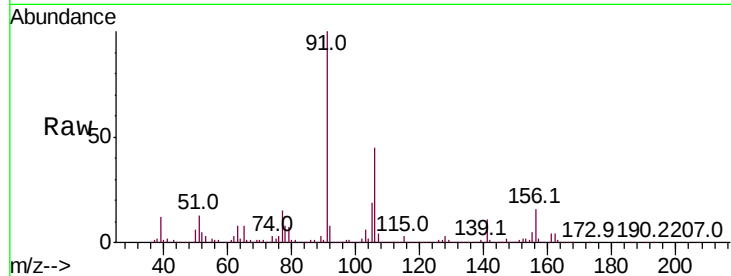
Tot Ion:104 Resp: 20304

Ion Ratio Lower Upper

104 100

78 355.8 41.0 61.6#

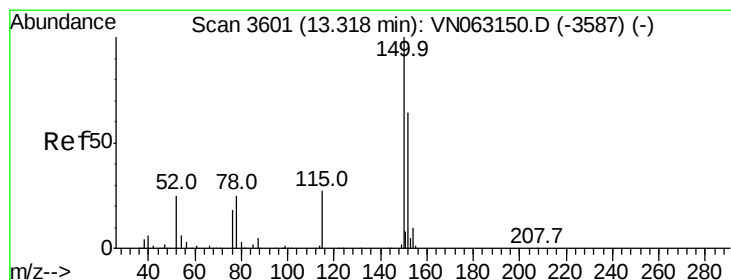
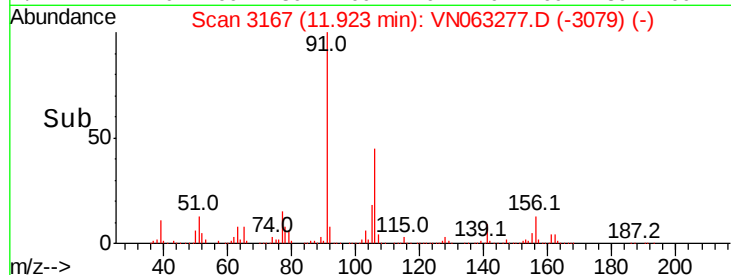
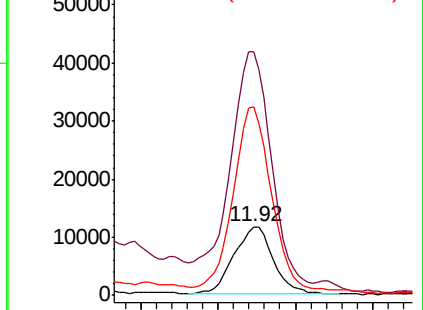
103 279.2 43.8 65.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

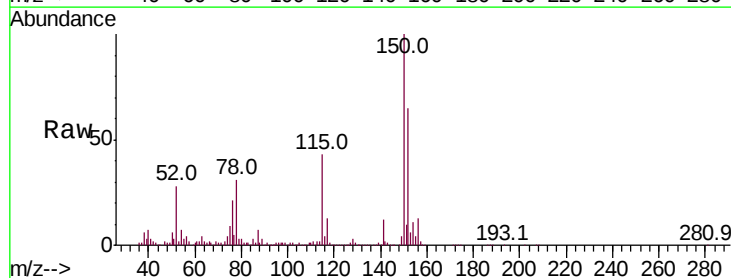
Tgt Ion:152 Resp: 395091

Ion Ratio Lower Upper

152 100

115 70.9 32.0 96.2

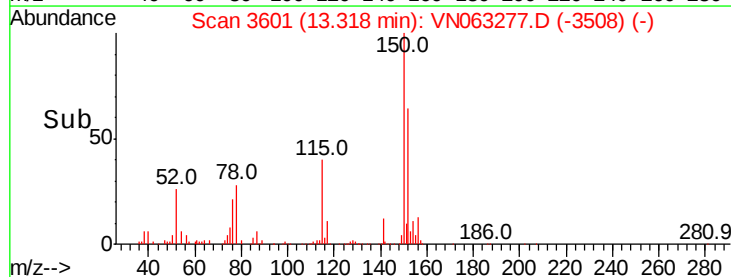
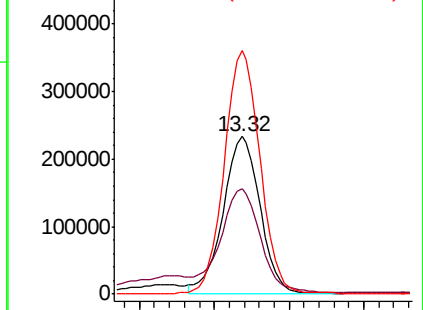
150 150.4 0.0 353.0

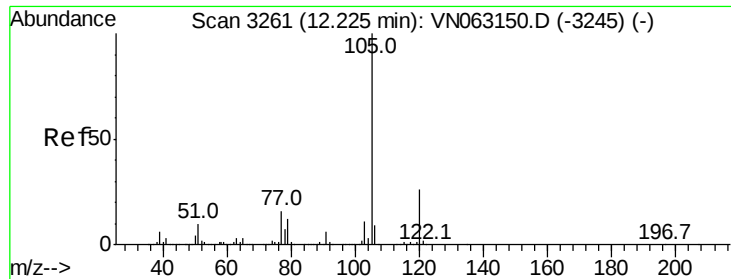


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.978 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

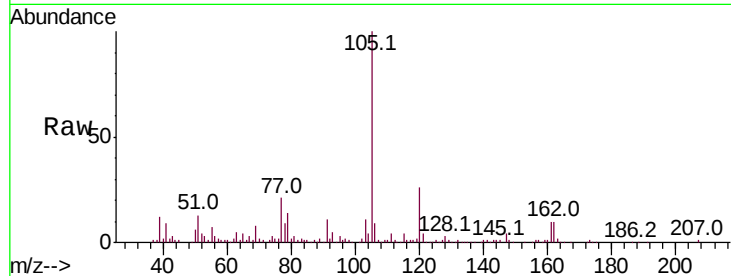
WC-PM-A2-10-14-DME

Tot Ion:105 Resp: 150854

Ion Ratio Lower Upper

105 100

120 27.3 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

100000

80000

60000

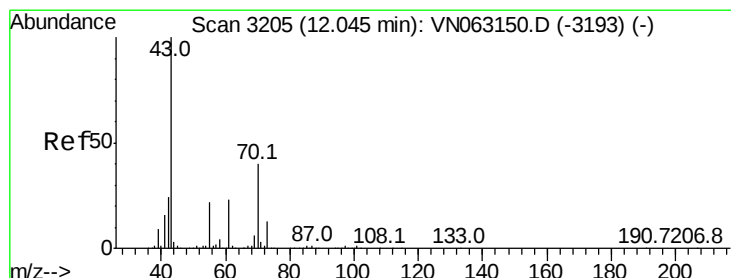
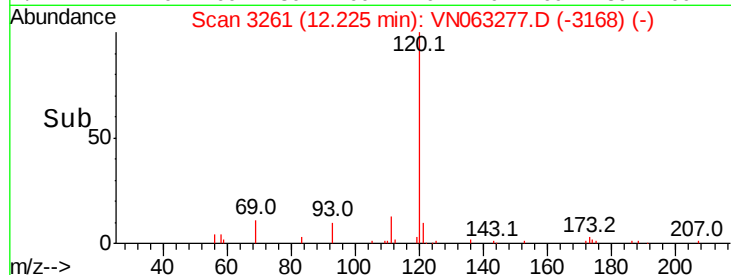
40000

20000

0

Time-->

12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 2.130 ug/l

RT: 12.02 min Scan# 3197

Delta R.T. -0.03 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Tgt Ion: 43 Resp: 26737

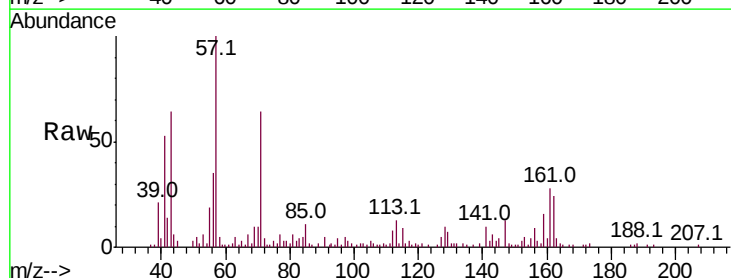
Ion Ratio Lower Upper

43 100

70 10.7 32.1 48.1#

55 5.3 17.4 26.0#

61 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.02

30000

25000

20000

15000

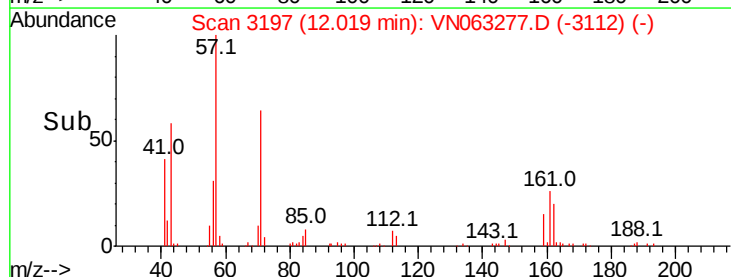
10000

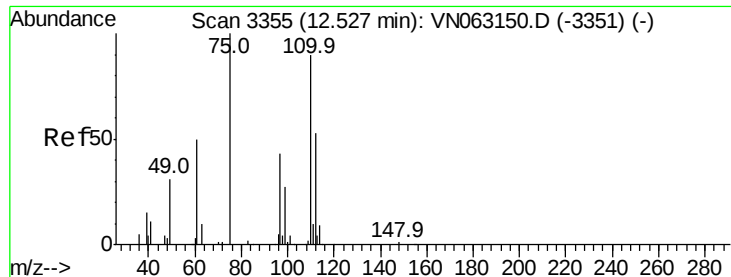
5000

0

Time-->

12.00 12.05





#76

1,2,3-Trichloropropane

Concen: 32.659 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

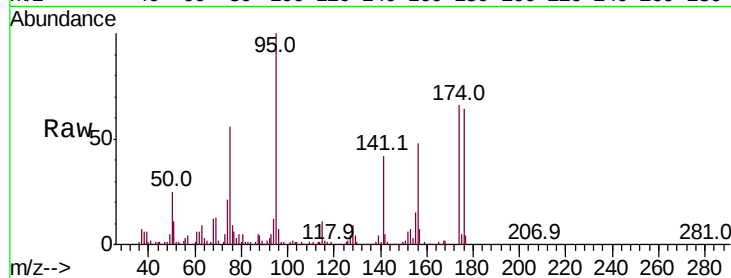
WC-PM-A2-10-14-DME

Tot Ion: 75 Resp: 253522

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

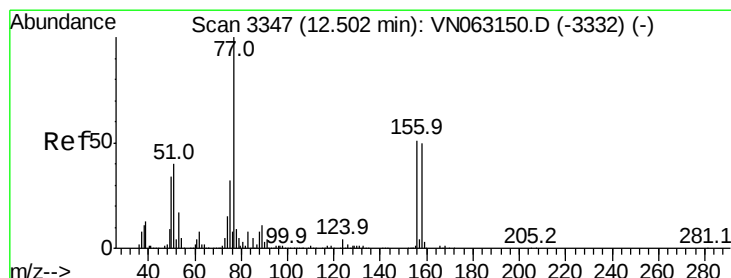
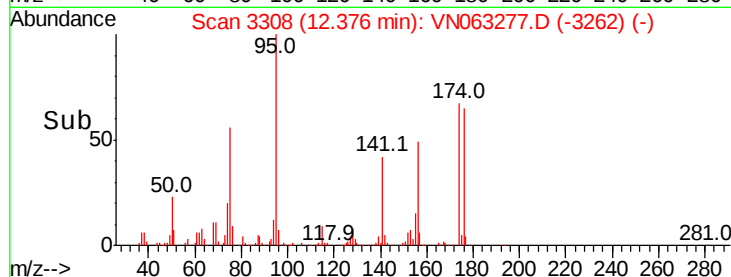
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: 341.129 ug/l

RT: 12.47 min Scan# 3337

Delta R.T. -0.03 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

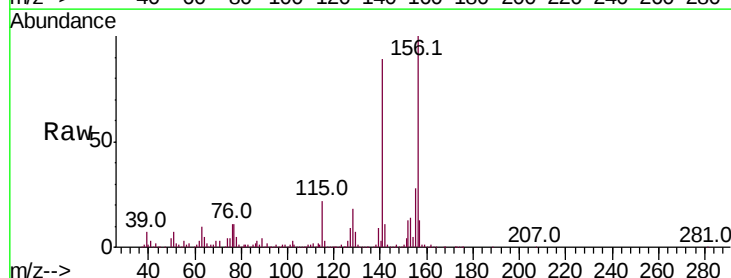
Tgt Ion: 156 Resp: 2337864

Ion Ratio Lower Upper

156 100

77 10.4 116.1 348.3#

158 0.0 48.8 146.4#



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

12.47

400000

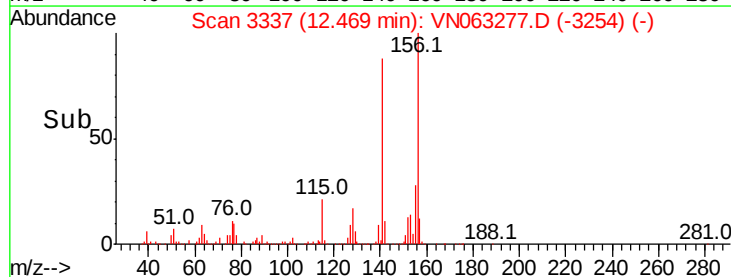
300000

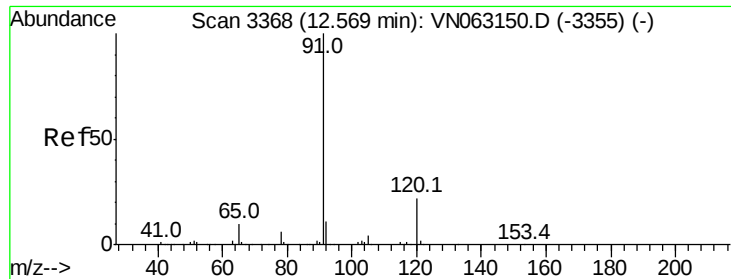
200000

100000

0

Time-->





#78

n-propylbenzene

Concen: 6.930 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

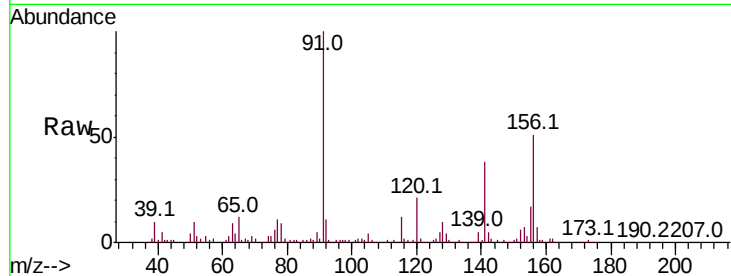
WC-PM-A2-10-14-DME

Tot Ion: 91 Resp: 243008

Ion Ratio Lower Upper

91 100

120 22.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3355) (-)

Ion 120.00 (119.70 to 120.70): VN063150.D (-3355) (-)

12.57

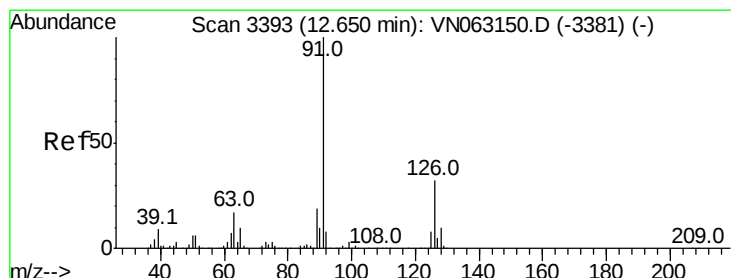
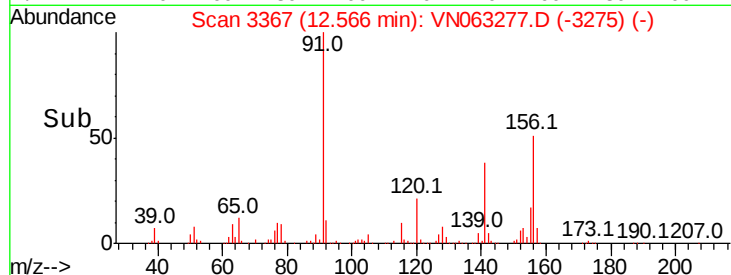
150000

100000

50000

0

Time-->



#79

2-Chlorotoluene

Concen: 1.088 ug/l

RT: 12.63 min Scan# 3387

Delta R.T. -0.02 min

Lab File: VN063277.D

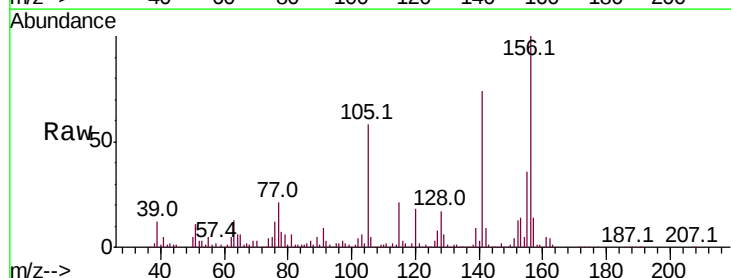
Acq: 9 Sep 2020 13:04

Tgt Ion: 91 Resp: 22857

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.3#



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3381) (-)

Ion 125.90 (125.60 to 126.60): VN063150.D (-3381) (-)

12.63

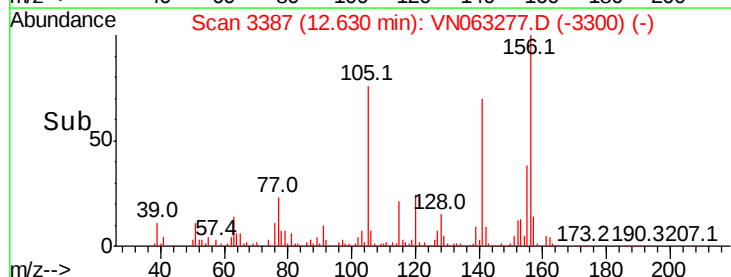
60000

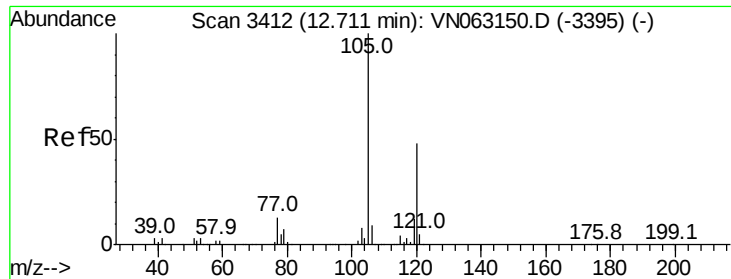
40000

20000

0

Time-->

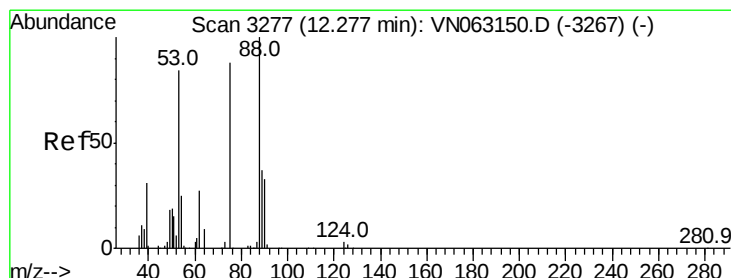
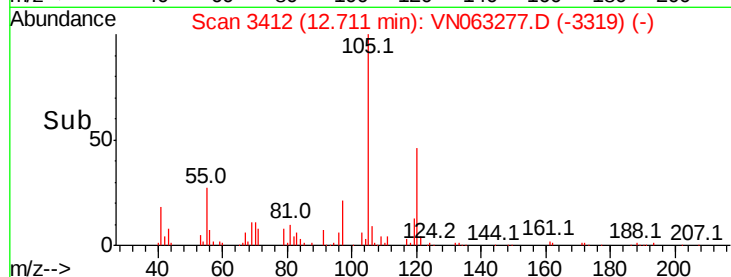
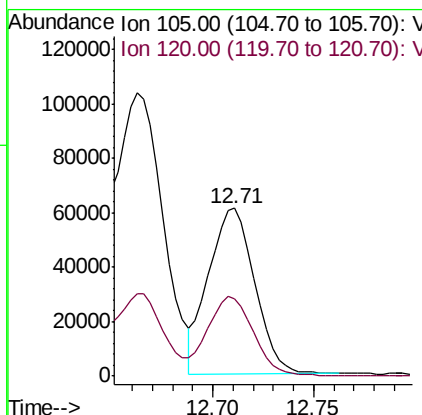
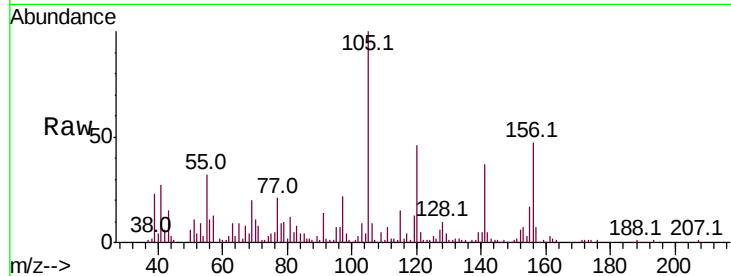




#80  
 1,3,5-Trimethylbenzene  
 Concen: 3.838 ug/l  
 RT: 12.71 min Scan# 3412  
 Delta R.T. 0.00 min  
 Lab File: VN063277.D  
 Acq: 9 Sep 2020 13:04

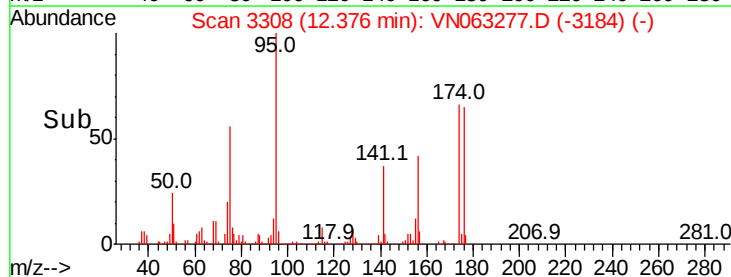
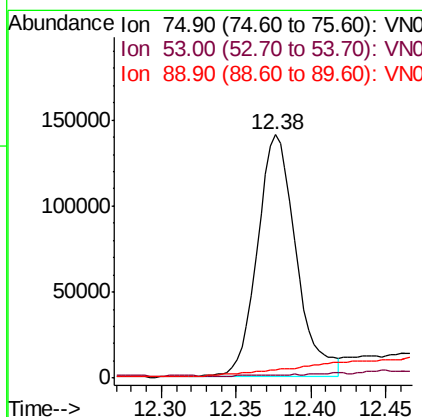
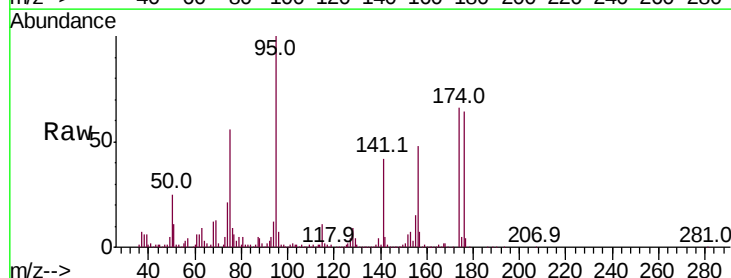
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-PM-A2-10-14-DME

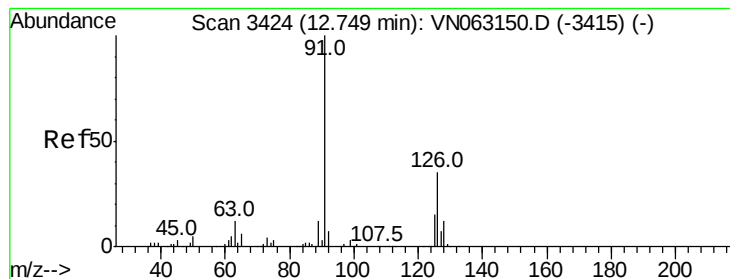
Tot Ion:105 Resp: 96818  
 Ion Ratio Lower Upper  
 105 100  
 120 47.6 24.2 72.6



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 78.936 ug/l  
 RT: 12.38 min Scan# 3308  
 Delta R.T. 0.10 min  
 Lab File: VN063277.D  
 Acq: 9 Sep 2020 13:04

Tgt Ion: 75 Resp: 253522  
 Ion Ratio Lower Upper  
 75 100  
 53 0.5 78.7 118.1#  
 89 0.0 35.3 52.9#





#82

4-Chlorotoluene

Concen: 0.571 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.04 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

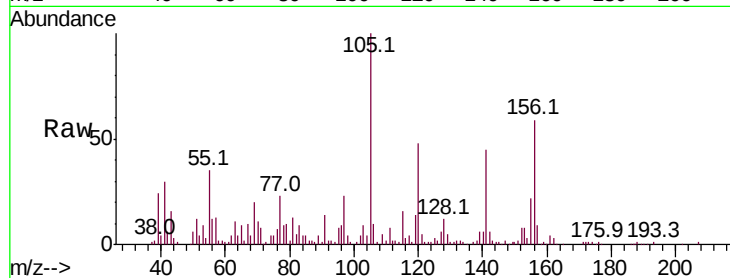
WC-PM-A2-10-14-DME

Tot Ion: 91 Resp: 12445

Ion Ratio Lower Upper

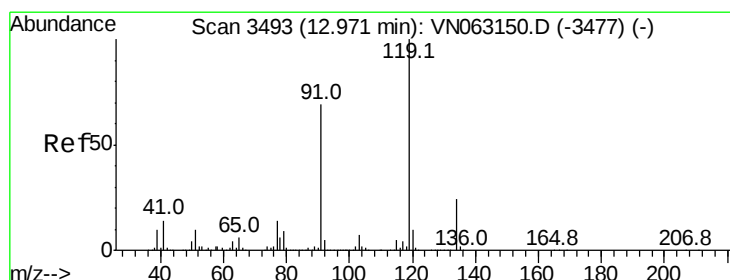
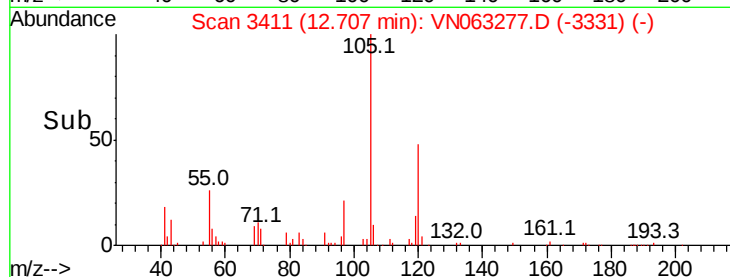
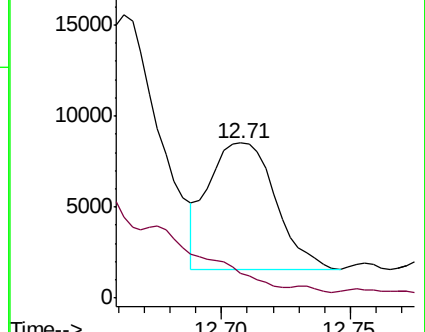
91 100

126 0.0 16.2 48.5#



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3415) (-)

Ion 125.90 (125.60 to 126.60): VN063150.D (-3415) (-)



#83

tert-Butylbenzene

Concen: 0.356 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

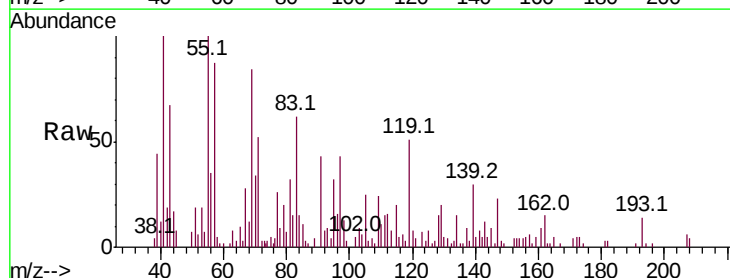
Tgt Ion: 119 Resp: 7705

Ion Ratio Lower Upper

119 100

91 59.8 33.7 101.0

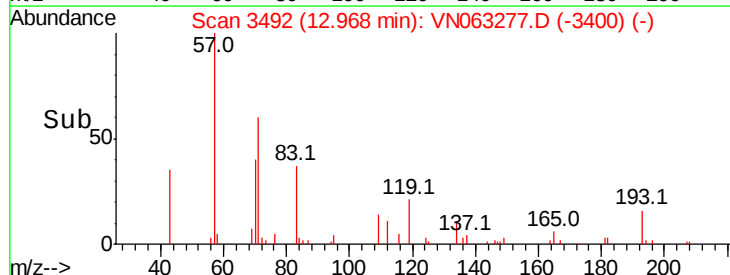
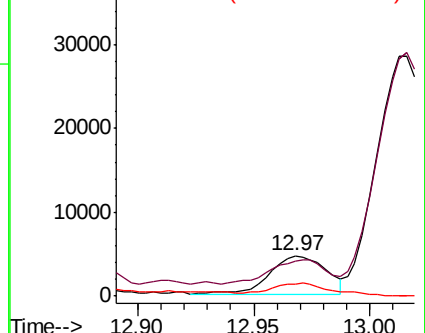
134 37.0 12.0 36.0#

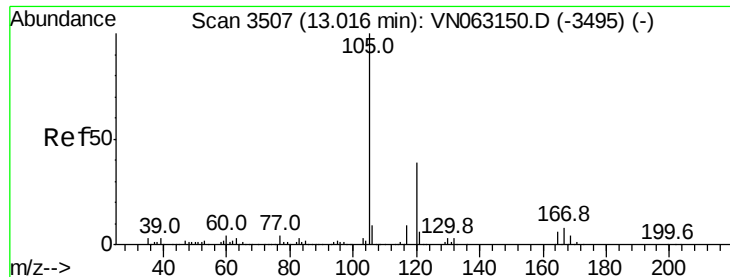


Abundance Ion 119.00 (118.70 to 119.70): VN063150.D (-3477) (-)

Ion 91.00 (90.70 to 91.70): VN063150.D (-3477) (-)

Ion 134.00 (133.70 to 134.70): VN063150.D (-3477) (-)

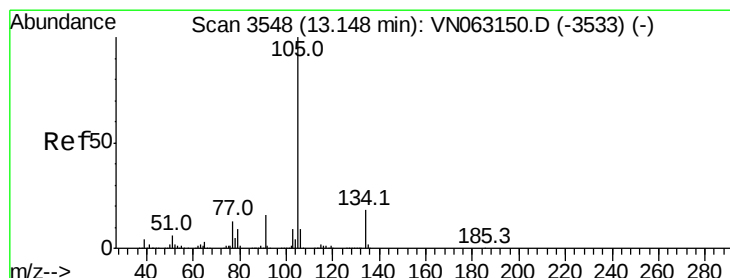
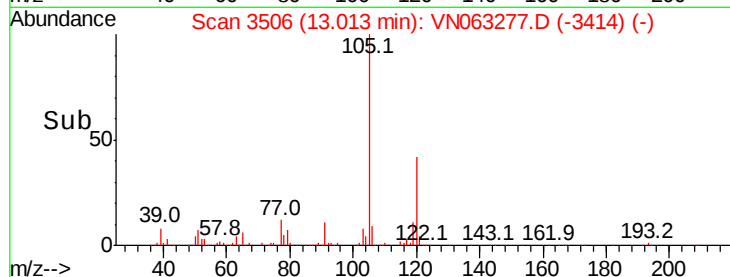
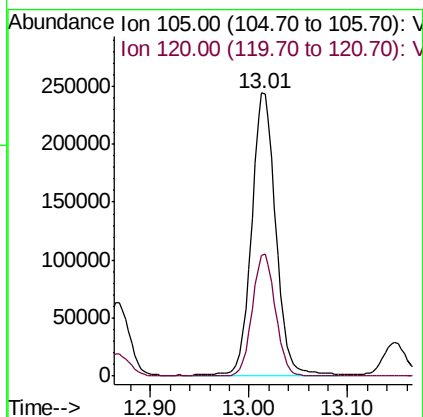
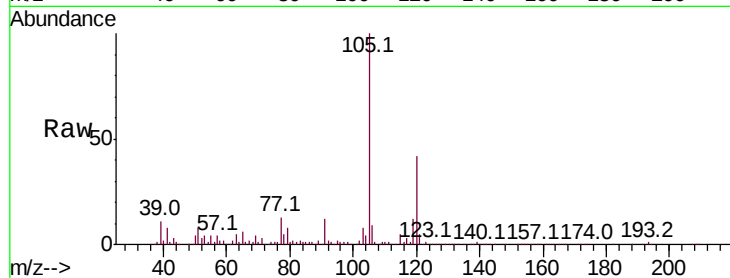




#84  
 1,2,4-Trimethylbenzene  
 Concen: 16.047 ug/l  
 RT: 13.01 min Scan# 3506  
 Delta R.T. -0.00 min  
 Lab File: VN063277.D  
 Acq: 9 Sep 2020 13:04

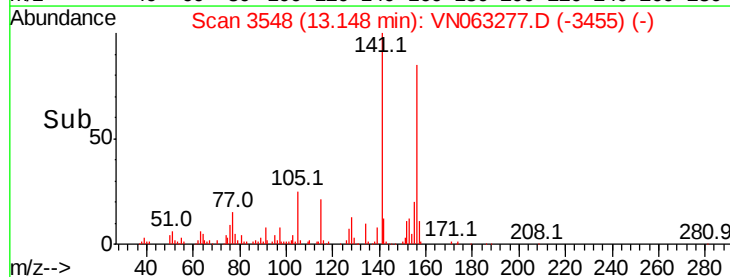
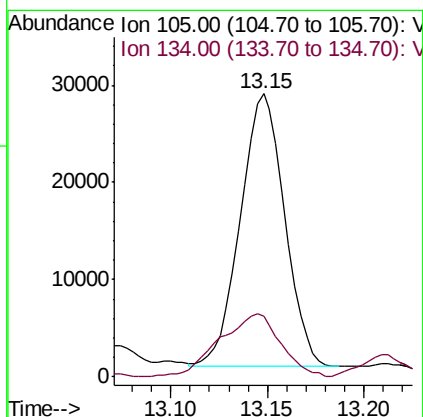
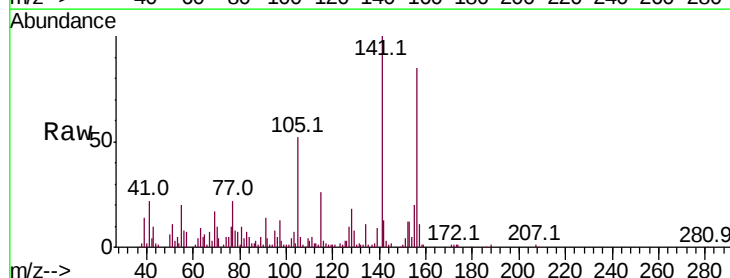
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-PM-A2-10-14-DME

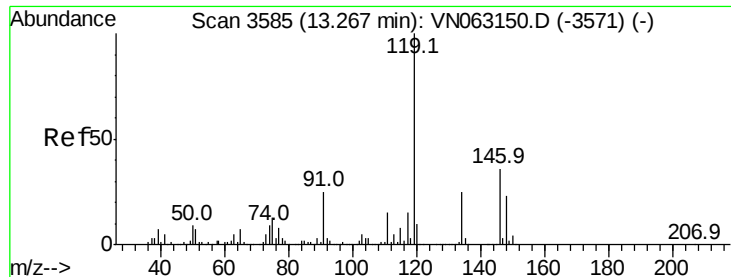
Tot Ion:105 Resp: 407986  
 Ion Ratio Lower Upper  
 105 100  
 120 41.1 22.6 67.7



#85  
 sec-Butylbenzene  
 Concen: 1.592 ug/l  
 RT: 13.15 min Scan# 3548  
 Delta R.T. 0.00 min  
 Lab File: VN063277.D  
 Acq: 9 Sep 2020 13:04

Tgt Ion:105 Resp: 44893  
 Ion Ratio Lower Upper  
 105 100  
 134 31.8 9.4 28.3#

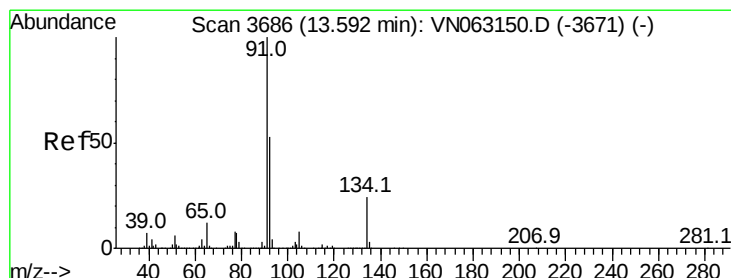
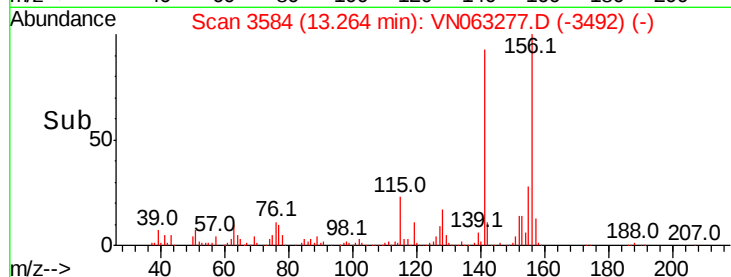
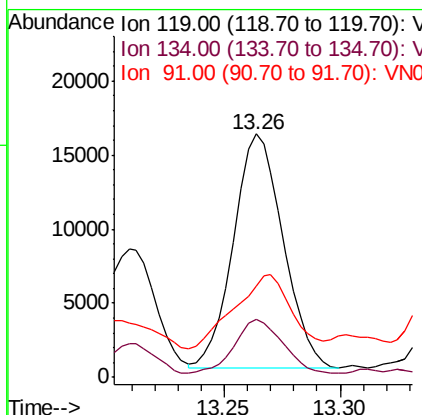
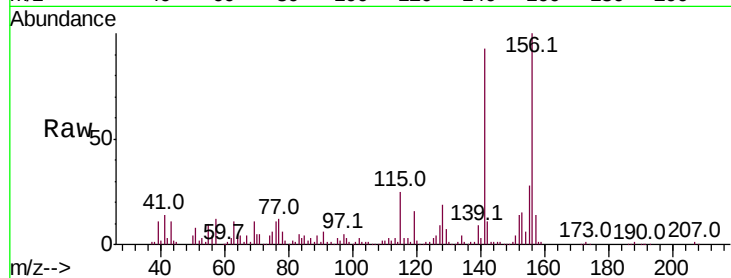




#86  
p-Isopropyltoluene  
Concen: 0.934 ug/l  
RT: 13.26 min Scan# 3584  
Delta R.T. -0.00 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

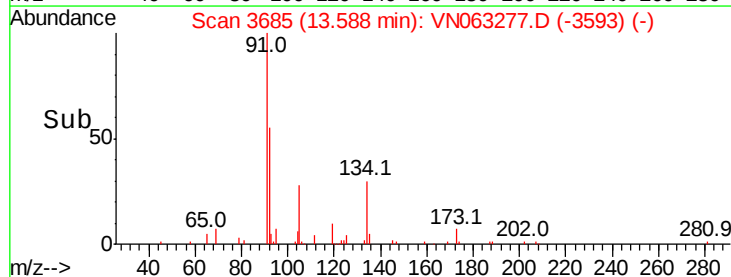
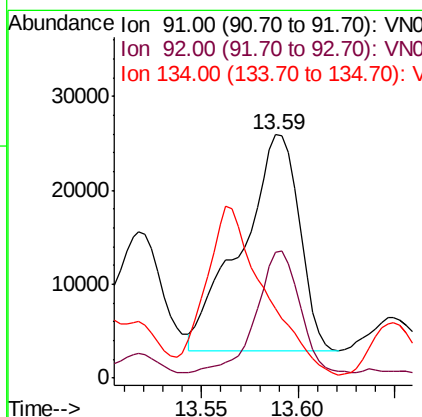
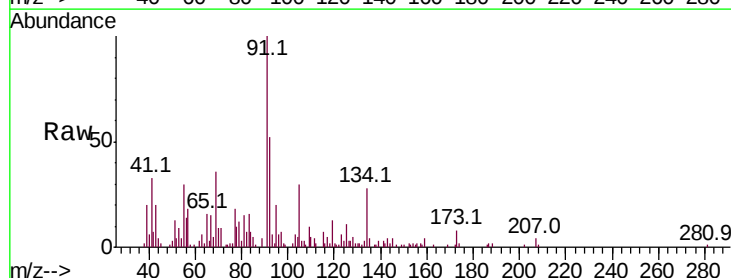
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-PM-A2-10-14-DME

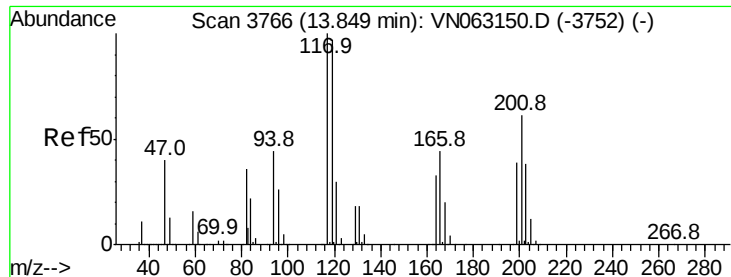
Tot Ion:119 Resp: 23387  
Ion Ratio Lower Upper  
119 100  
134 22.8 12.4 37.4  
91 36.1 12.2 36.6



#89  
n-Butylbenzene  
Concen: 2.062 ug/l  
RT: 13.59 min Scan# 3685  
Delta R.T. -0.00 min  
Lab File: VN063277.D  
Acq: 9 Sep 2020 13:04

Tgt Ion: 91 Resp: 47684  
Ion Ratio Lower Upper  
91 100  
92 43.3 26.3 78.8  
134 0.0 12.0 36.0#





#90

Hexachloroethane

Concen: 3.757 ug/l

RT: 13.86 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

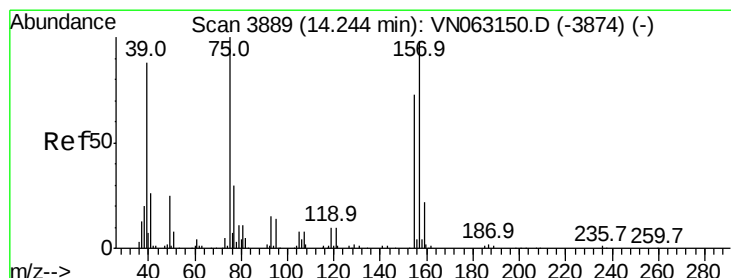
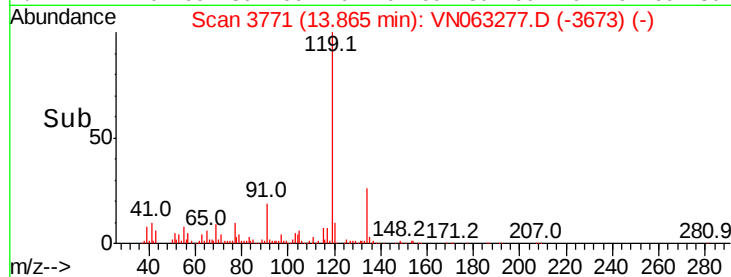
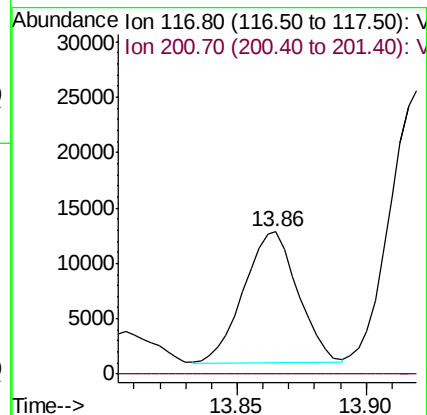
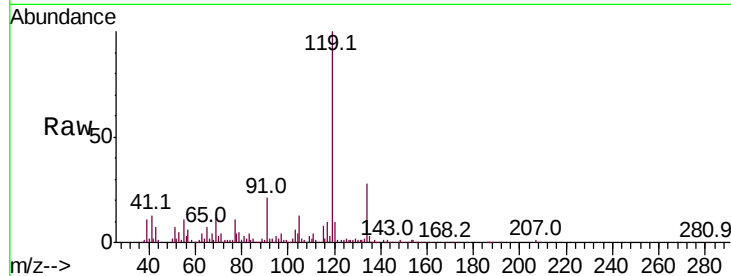
WC-PM-A2-10-14-DME

Tot Ion:117 Resp: 17410

Ion Ratio Lower Upper

117 100

201 0.0 30.6 92.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.730 ug/l

RT: 14.26 min Scan# 3894

Delta R.T. 0.02 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

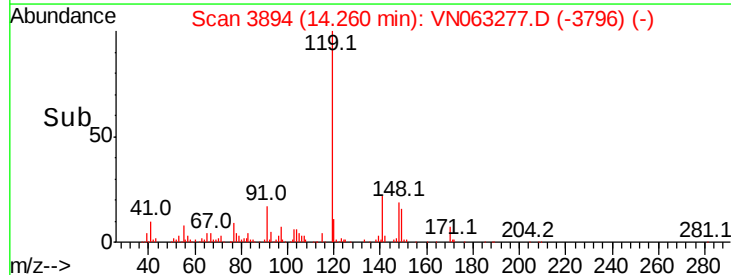
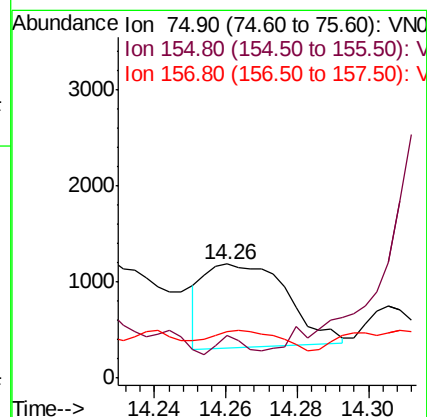
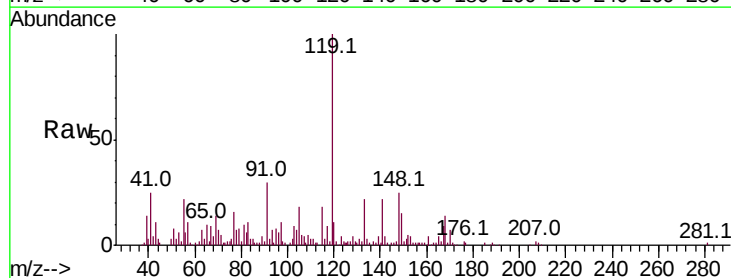
Tgt Ion: 75 Resp: 1402

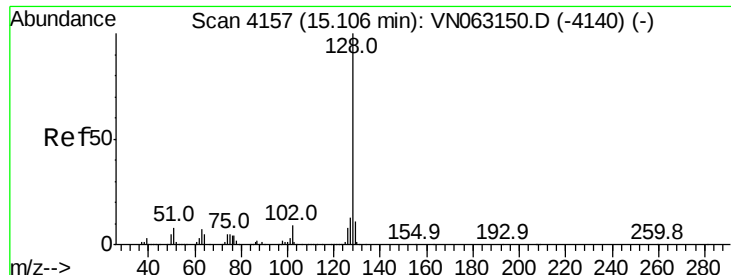
Ion Ratio Lower Upper

75 100

155 0.0 36.1 108.5#

157 20.2 48.4 145.0#





#95

Naphthalene

Concen: 77.387 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063277.D

Acq: 9 Sep 2020 13:04

Instrument :

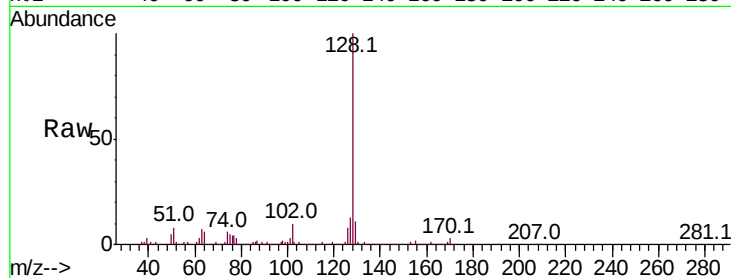
MSVOA\_N

ClientSampleId :

WC-PM-A2-10-14-DME

Tot Ion:128 Resp: 1762326

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.2  | 10.5  | 15.7  |
| 129 | 11.3  | 8.6   | 13.0  |



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

