

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\  
 Data File : VD066384.D  
 Acq On : 24 Aug 2020 16:39  
 Operator : VA/SY  
 Sample : L3780-01  
 Misc : 6.98G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JC-03-082120-A

Quant Time: Aug 25 02:42:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082120S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 13:36:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 227658   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 348415   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 343002   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 182974   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |       |     |          |       |         |      |
|---------------------------|-------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33  | 65  | 129246   | 57.91 | ug/l    | 0.00 |
| Spiked Amount             |       |     |          |       |         |      |
|                           |       |     | Recovery | =     | 115.82% |      |
| 35) Dibromofluoromethane  | 7.91  | 113 | 114131   | 52.39 | ug/l    | 0.00 |
| Spiked Amount             |       |     |          |       |         |      |
|                           |       |     | Recovery | =     | 104.78% |      |
| 50) Toluene-d8            | 10.34 | 98  | 421417   | 52.87 | ug/l    | 0.00 |
| Spiked Amount             |       |     |          |       |         |      |
|                           |       |     | Recovery | =     | 105.74% |      |
| 62) 4-Bromofluorobenzene  | 12.63 | 95  | 159273   | 56.31 | ug/l    | 0.00 |
| Spiked Amount             |       |     |          |       |         |      |
|                           |       |     | Recovery | =     | 112.62% |      |

## Target Compounds

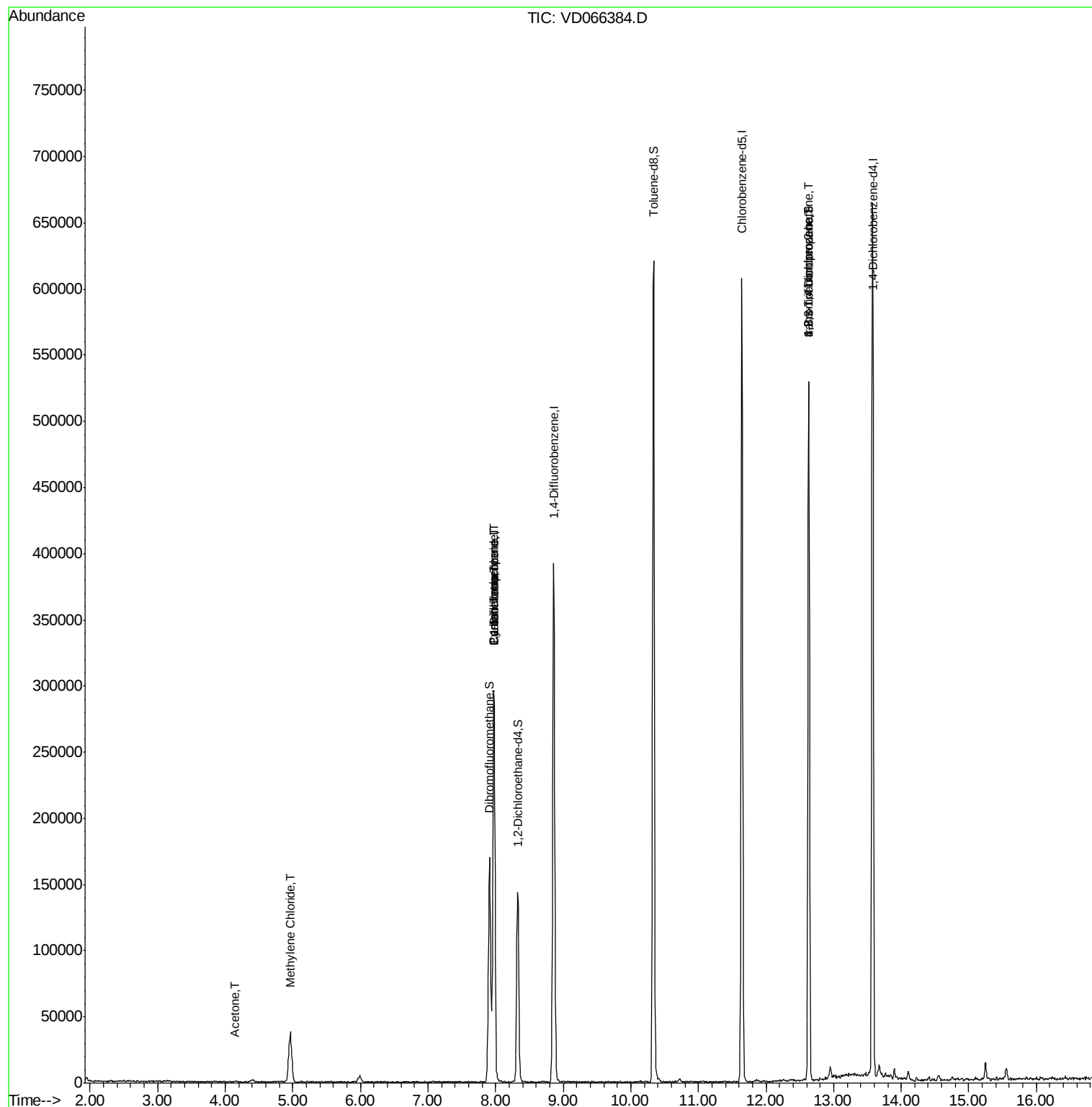
|                                |       |     |       |         |        | Qvalue |
|--------------------------------|-------|-----|-------|---------|--------|--------|
| 16) Acetone                    | 4.15  | 43  | 1022  | 2.540   | ug/l # | 46     |
| 20) Methylene Chloride         | 4.97  | 84  | 30743 | 9.120   | ug/l # | 82     |
| 31) Cyclohexane                | 7.97  | 56  | 4442  | 1.433   | ug/l # | 31     |
| 36) 1,1-Dichloropropene        | 7.97  | 75  | 15884 | 4.996   | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 7.97  | 117 | 22308 | 5.386   | ug/l # | 15     |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75  | 85907 | 66.738  | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75  | 85907 | 141.663 | ug/l # | 6      |

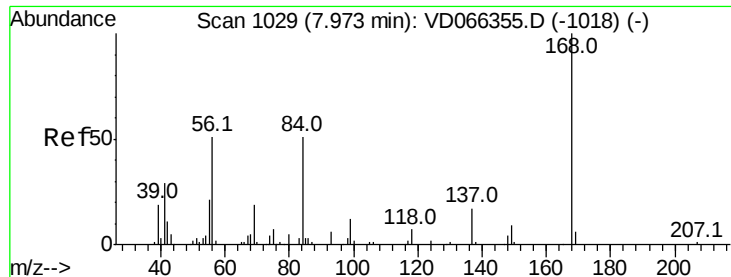
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082420\  
Data File : VD066384.D  
Acq On : 24 Aug 2020 16:39  
Operator : VA/SY  
Sample : L3780-01  
Misc : 6.98G/5.00ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-03-082120-A

Quant Time: Aug 25 02:42:40 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D082120S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 21 13:36:12 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066384.D

Acq: 24 Aug 2020 16:39

Instrument :

MSVOA\_D

ClientSampleId :

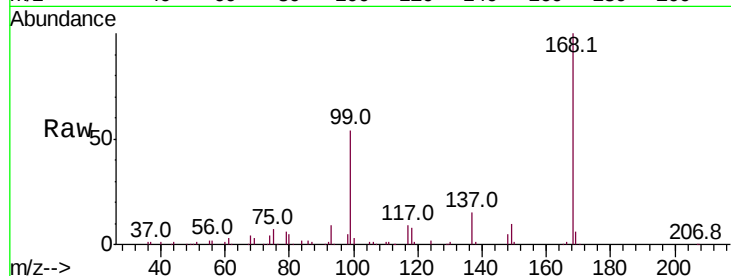
JC-03-082120-A

Tot Ion:168 Resp: 227658

Ion Ratio Lower Upper

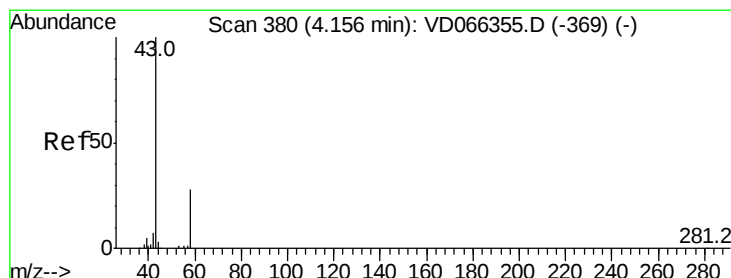
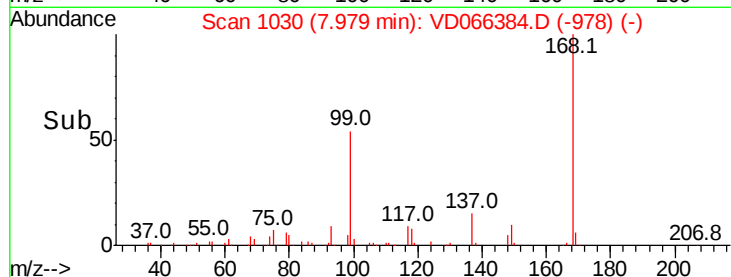
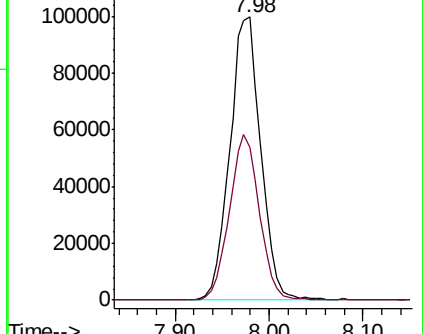
168 100

99 54.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 2.540 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066384.D

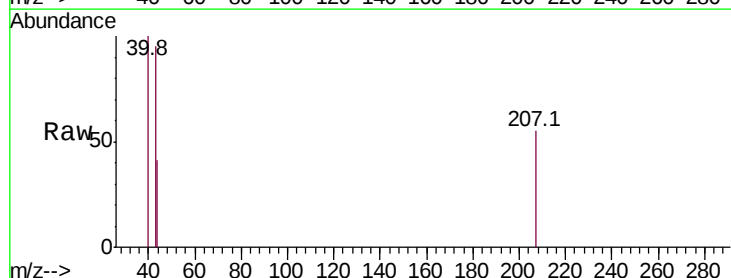
Acq: 24 Aug 2020 16:39

Tgt Ion: 43 Resp: 1022

Ion Ratio Lower Upper

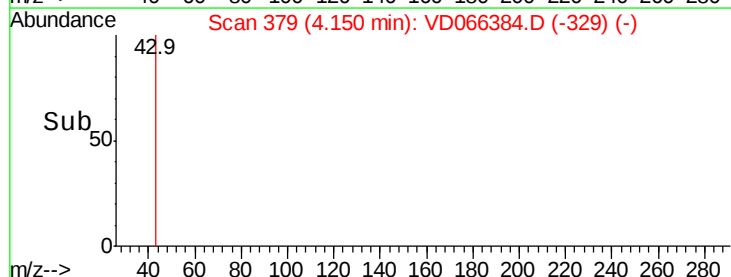
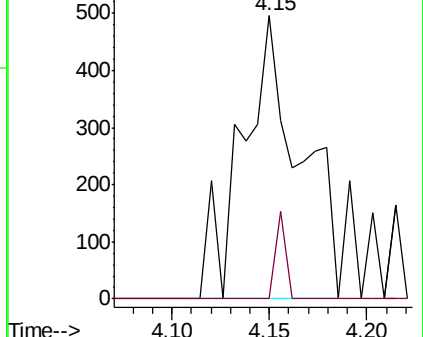
43 100

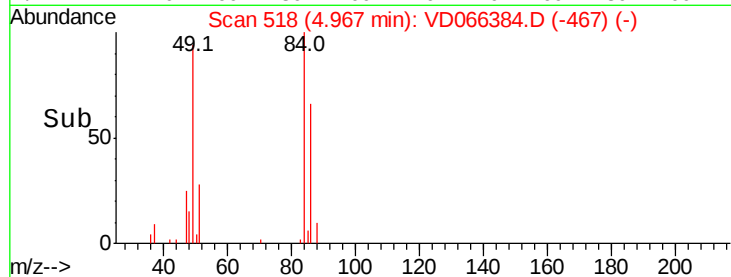
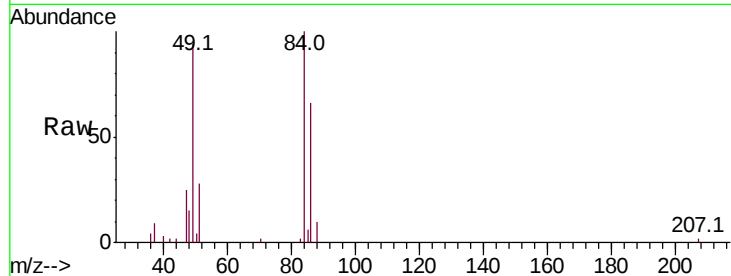
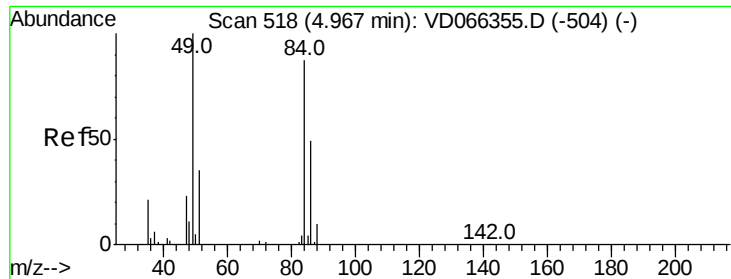
58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

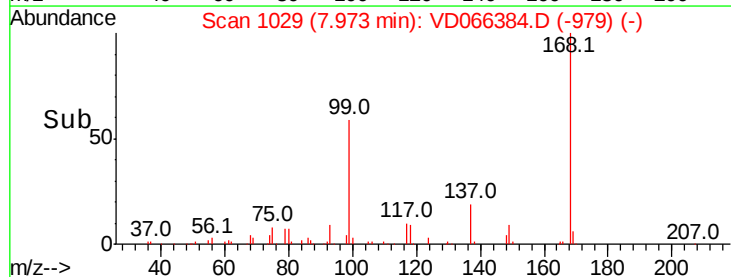
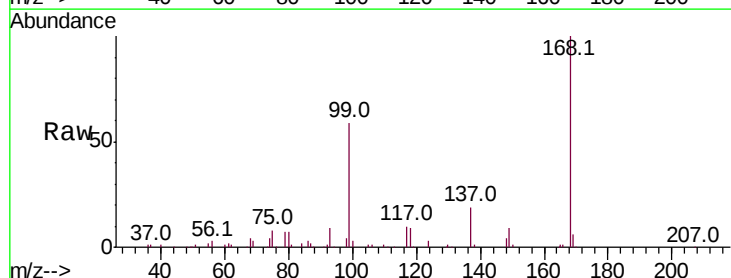
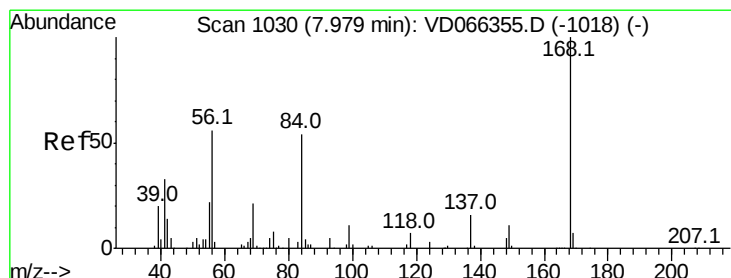
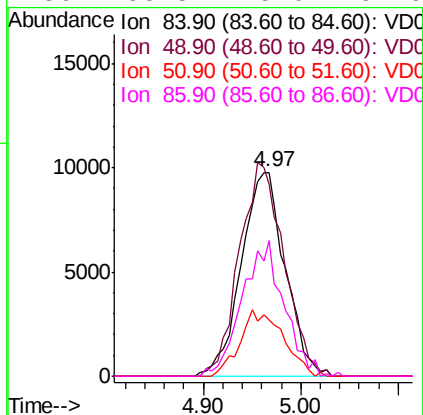




#20  
Methvlene Chloride  
Concen: 9.120 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: VD066384.D  
Acq: 24 Aug 2020 16:39

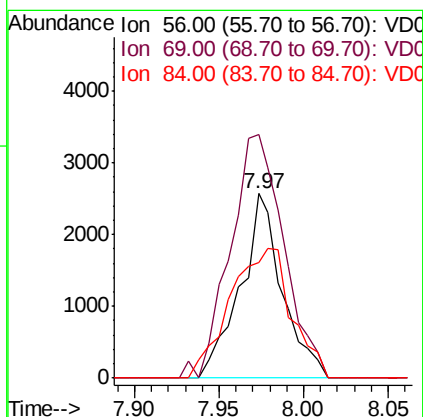
Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-03-082120-A

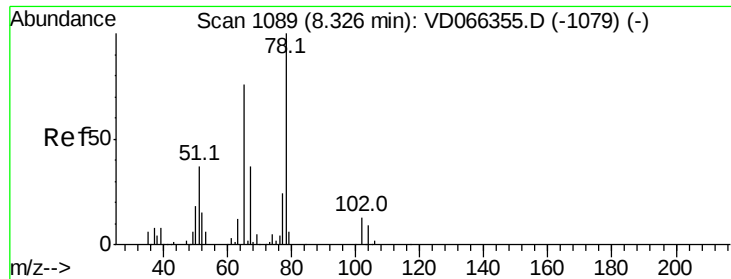
Tot Ion: 84 Resp: 30743  
Ion Ratio Lower Upper  
84 100  
49 94.3 92.5 138.7  
51 27.8 32.5 48.7#  
86 66.5 45.0 67.6



#31  
Cyclohexane  
Concen: 1.433 ug/l  
RT: 7.97 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: VD066384.D  
Acq: 24 Aug 2020 16:39

Tgt Ion: 56 Resp: 4442  
Ion Ratio Lower Upper  
56 100  
69 132.1 29.6 44.4#  
84 62.9 76.6 115.0#

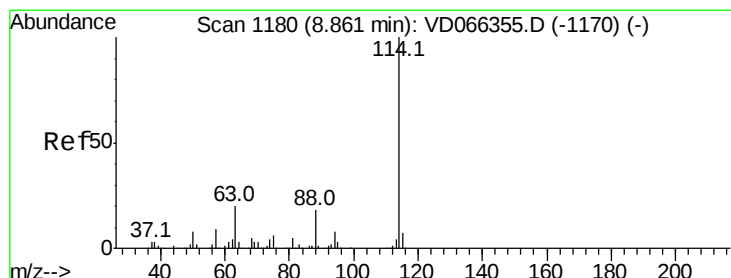
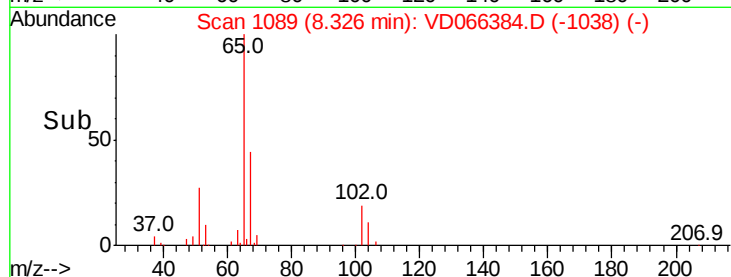
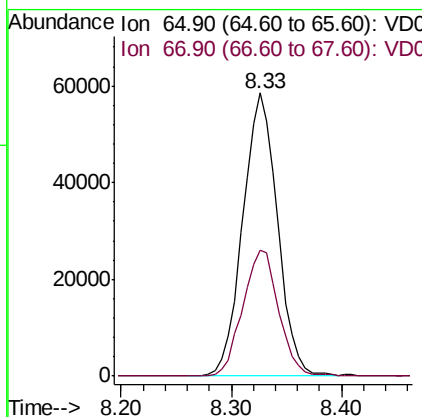
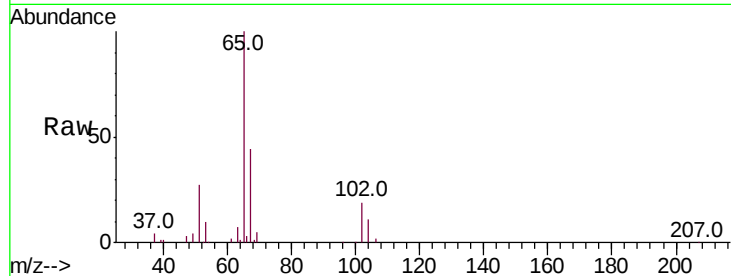




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.907 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. 0.00 min  
 Lab File: VD066384.D  
 Acq: 24 Aug 2020 16:39

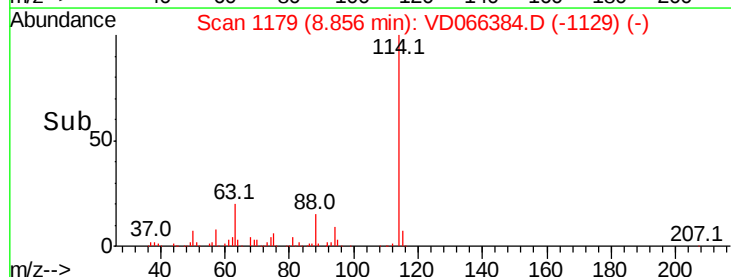
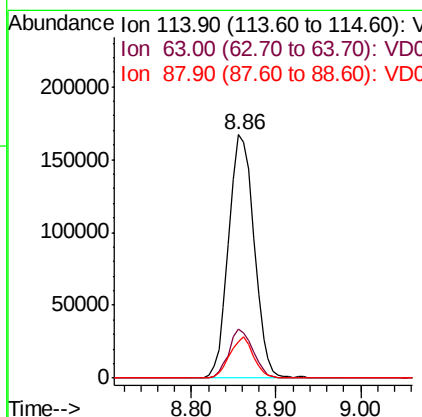
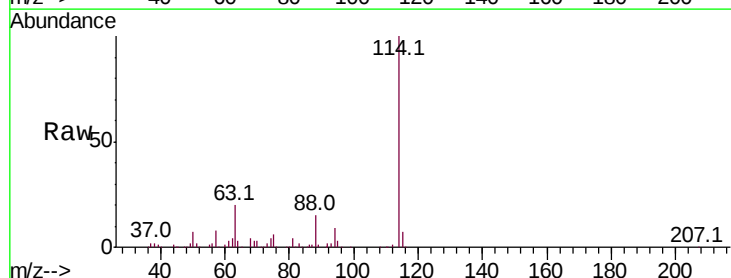
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JC-03-082120-A

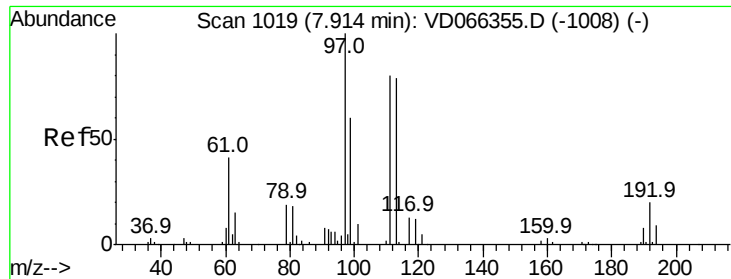
Tot Ion: 65 Resp: 129246  
 Ion Ratio Lower Upper  
 65 100  
 67 46.1 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1179  
 Delta R.T. -0.01 min  
 Lab File: VD066384.D  
 Acq: 24 Aug 2020 16:39

Tgt Ion: 114 Resp: 348415  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 40.8  
 88 15.0 0.0 35.4

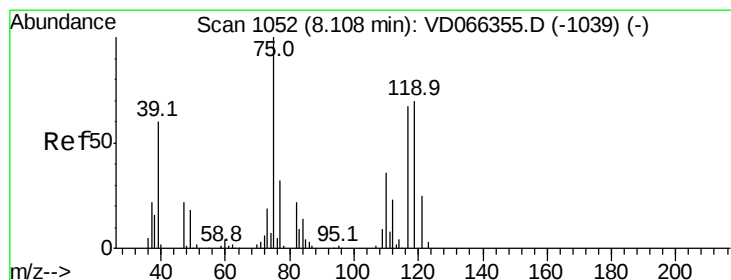
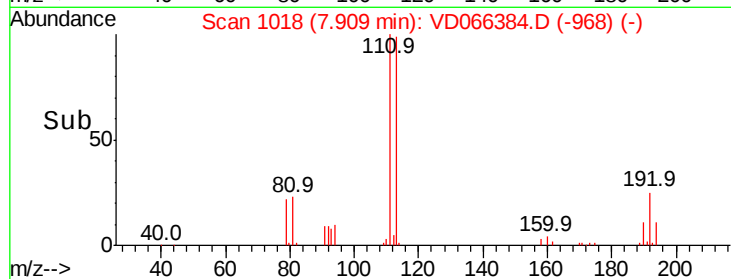
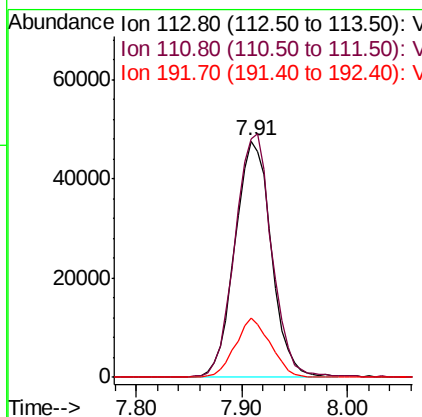
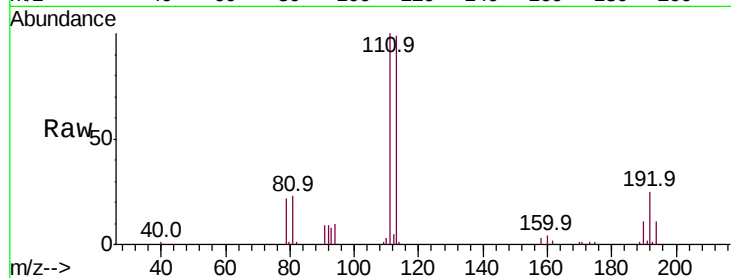




#35  
 Dibromofluoromethane  
 Concen: 52.386 ug/l  
 RT: 7.91 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: VD066384.D  
 Acq: 24 Aug 2020 16:39

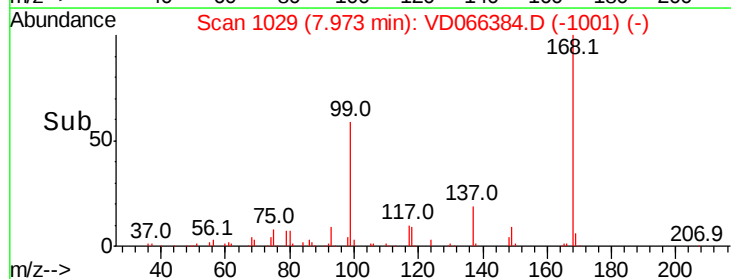
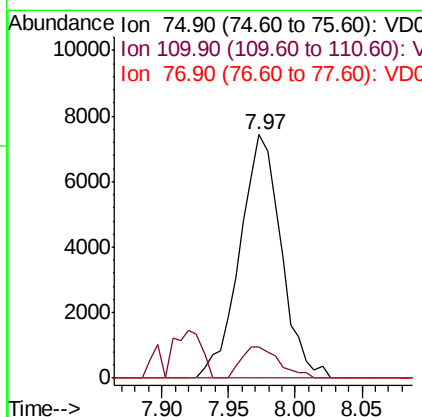
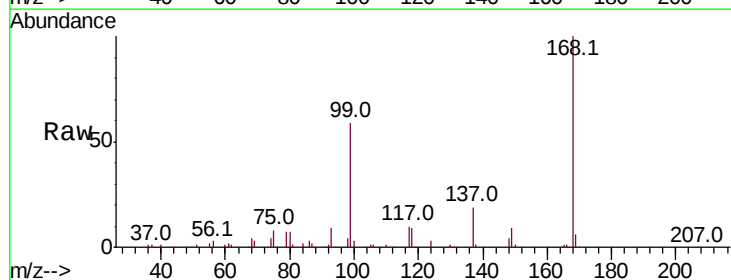
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JC-03-082120-A

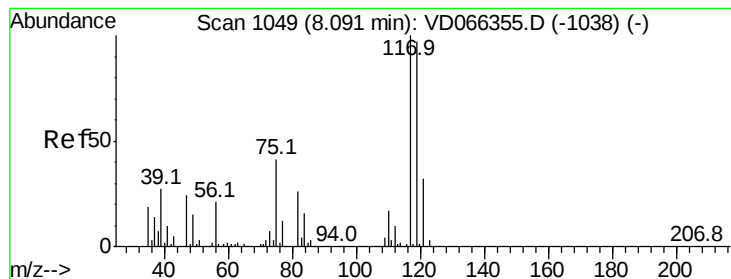
Tot Ion:113 Resp: 114131  
 Ion Ratio Lower Upper  
 113 100  
 111 104.1 80.3 120.5  
 192 23.9 19.0 28.6



#36  
 1,1-Dichloropropene  
 Concen: 4.996 ug/l  
 RT: 7.97 min Scan# 1029  
 Delta R.T. -0.14 min  
 Lab File: VD066384.D  
 Acq: 24 Aug 2020 16:39

Tgt Ion: 75 Resp: 15884  
 Ion Ratio Lower Upper  
 75 100  
 110 11.8 18.7 56.1#  
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.386 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066384.D

Acq: 24 Aug 2020 16:39

Instrument :

MSVOA\_D

ClientSampleId :

JC-03-082120-A

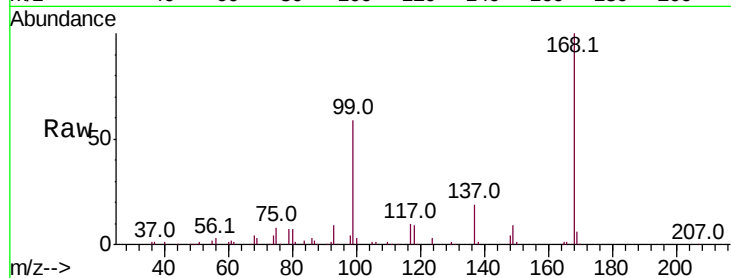
Tot Ion:117 Resp: 22308

Ion Ratio Lower Upper

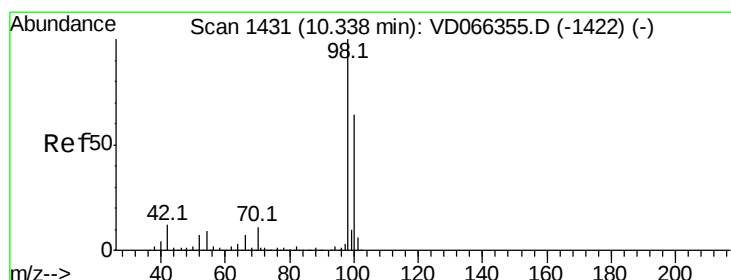
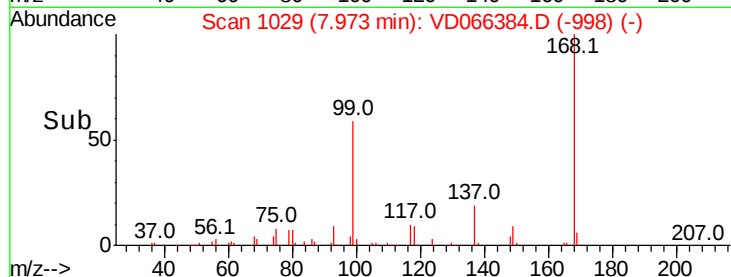
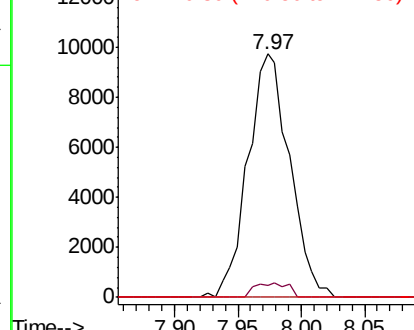
117 100

119 4.7 77.2 115.8#

121 0.0 25.8 38.8#



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



#50

Toluene-d8

Concen: 52.866 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066384.D

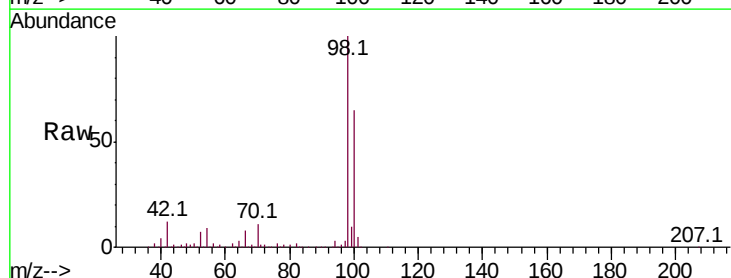
Acq: 24 Aug 2020 16:39

Tgt Ion: 98 Resp: 421417

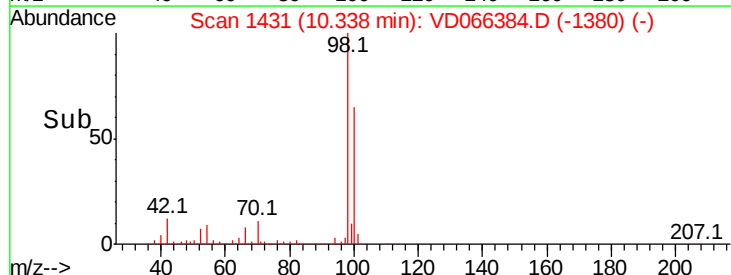
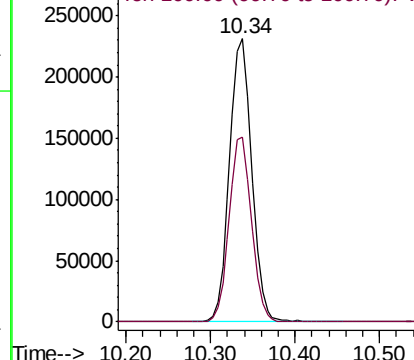
Ion Ratio Lower Upper

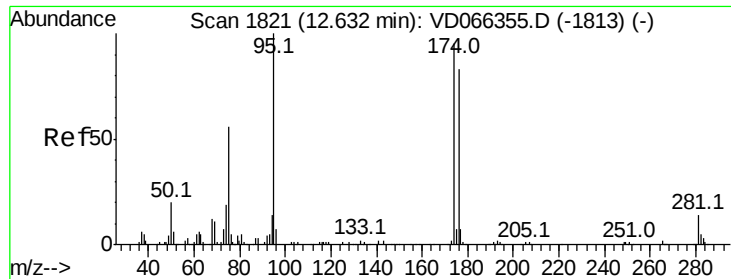
98 100

100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V  
Ion 100.00 (99.70 to 100.70): V

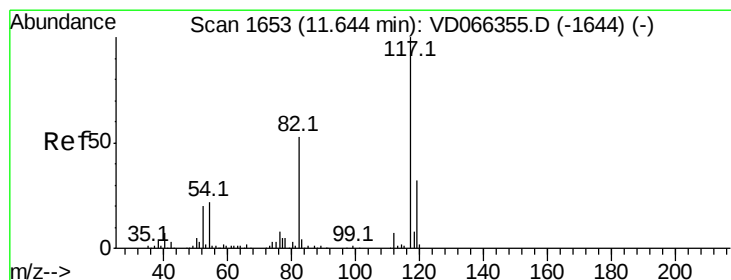
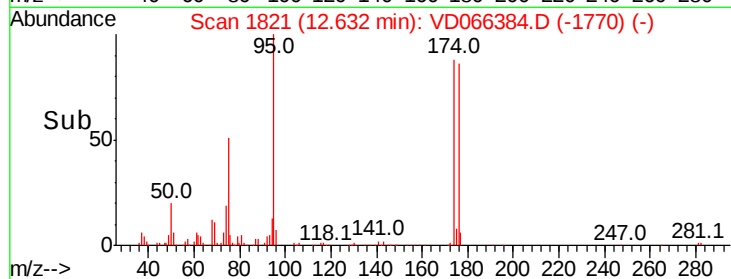
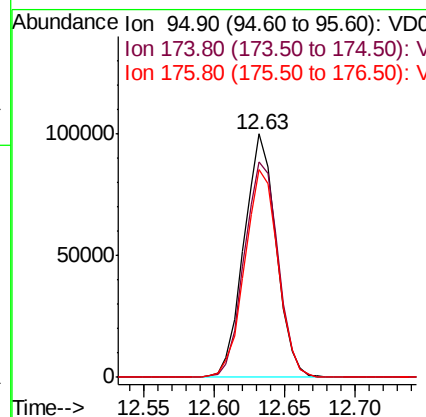
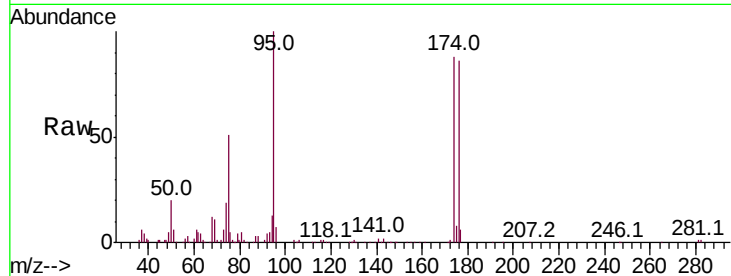




#62  
4-Bromofluorobenzene  
Concen: 56.308 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. 0.00 min  
Lab File: VD066384.D  
Acq: 24 Aug 2020 16:39

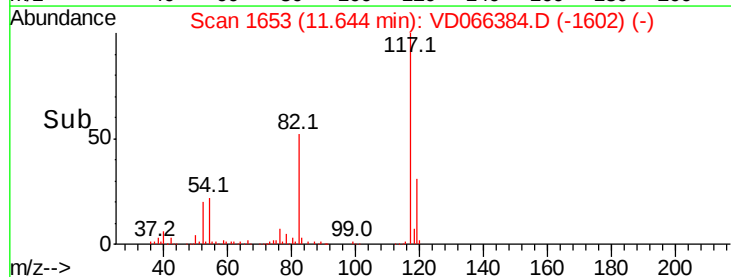
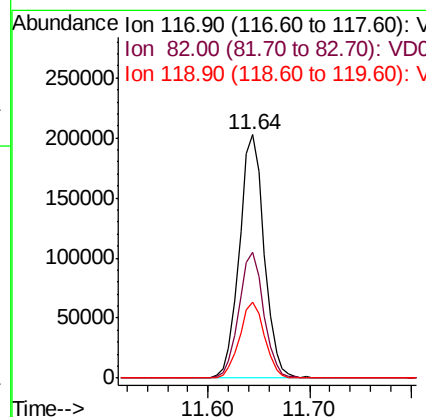
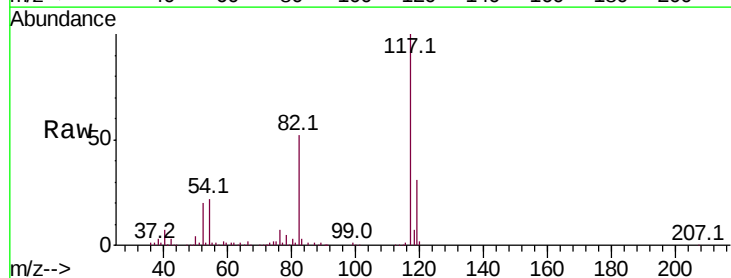
Instrument :  
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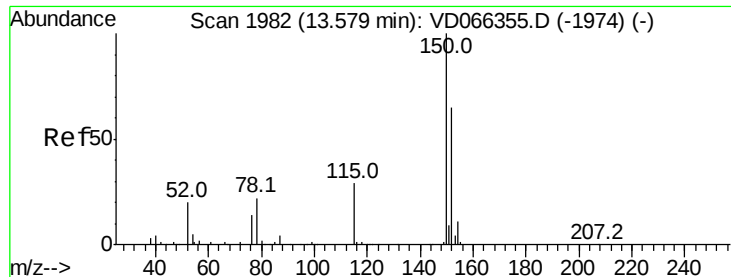
Tot Ion: 95 Resp: 159273  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 183.4  
176 88.4 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066384.D  
Acq: 24 Aug 2020 16:39

Tgt Ion: 117 Resp: 343002  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.8 64.2  
119 31.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066384.D

Acq: 24 Aug 2020 16:39

Instrument :

MSVOA\_D

ClientSampleId :

JC-03-082120-A

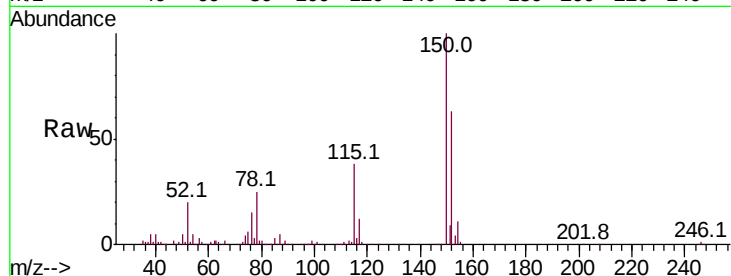
Tot Ion:152 Resp: 182974

Ion Ratio Lower Upper

152 100

115 57.7 28.3 85.0

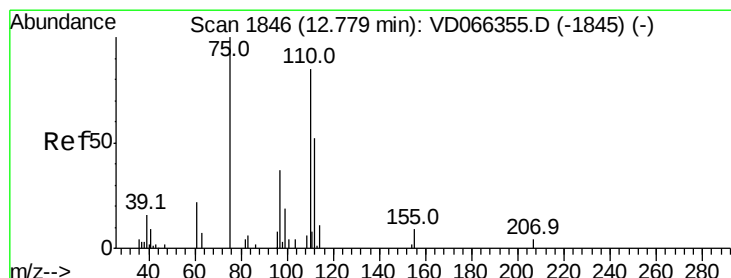
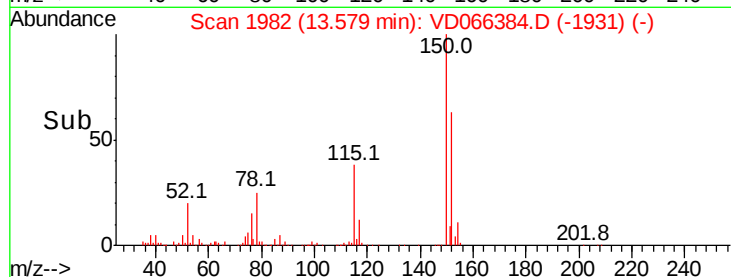
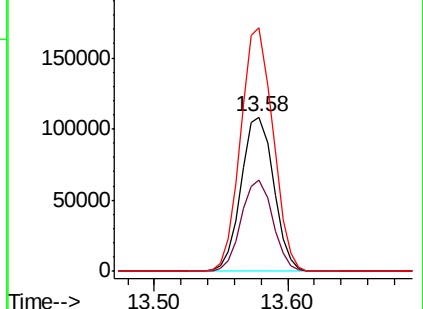
150 157.1 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 66.738 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066384.D

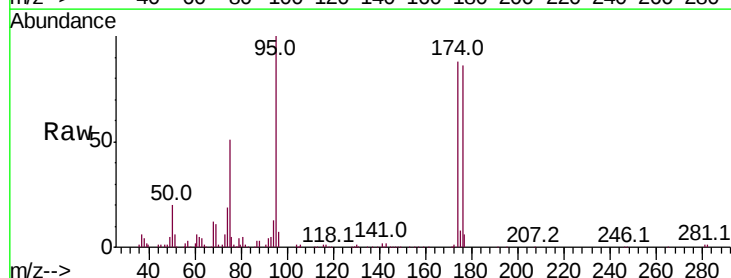
Acq: 24 Aug 2020 16:39

Tgt Ion: 75 Resp: 85907

Ion Ratio Lower Upper

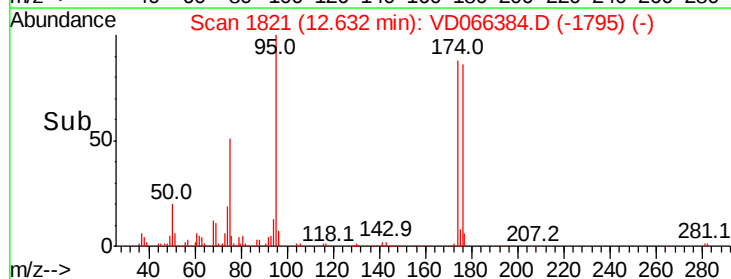
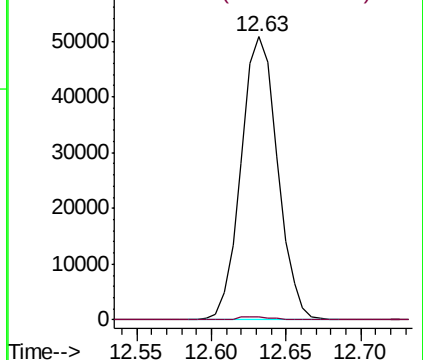
75 100

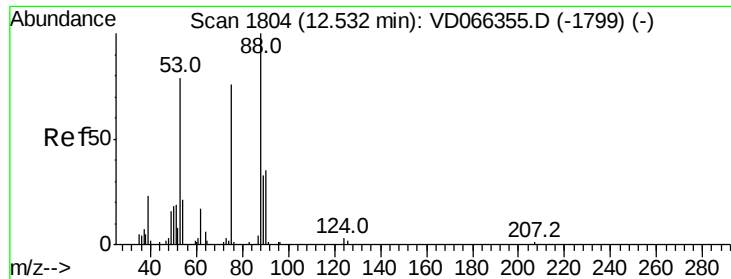
77 1.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 141.663 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066384.D

Acq: 24 Aug 2020 16:39

Instrument :

MSVOA\_D

ClientSampleId :

JC-03-082120-A

Tot Ion: 75 Resp: 85907

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.2#

89 0.0 39.4 59.0#

