

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\  
 Data File : VD063064.D  
 Acq On : 10 Jul 2019 18:05  
 Operator : VA/AP  
 Sample : K3726-06  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 COMP-1\_070919

Quant Time: Jul 11 07:01:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 01:50:56 2019  
 Response via : Initial Calibration

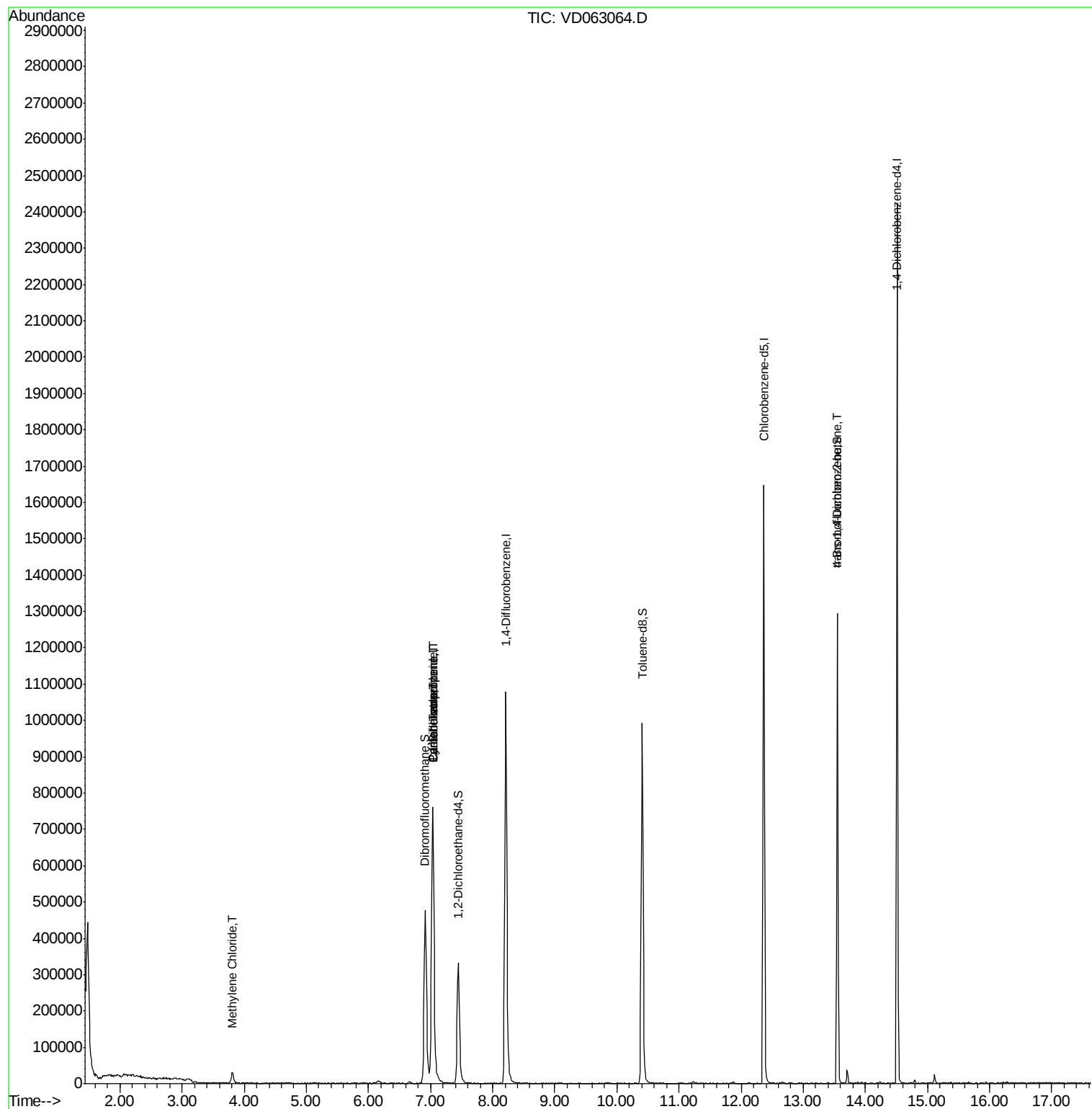
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) Pentafluorobenzene          | 7.04  | 168  | 776080   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.21  | 114  | 1148711  | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 12.37 | 117  | 959388   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 14.51 | 152  | 514636   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 33) 1,2-Dichloroethane-d4      | 7.44  | 65   | 394440   | 46.76     | ug/l   | -0.02    |
| Spiked Amount 50.000           |       |      | Recovery | =         | 93.52% |          |
| 35) Dibromofluoromethane       | 6.91  | 113  | 429130   | 44.30     | ug/l   | -0.02    |
| Spiked Amount 50.000           |       |      | Recovery | =         | 88.60% |          |
| 50) Toluene-d8                 | 10.41 | 98   | 802144   | 38.05     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 76.10% |          |
| 62) 4-Bromofluorobenzene       | 13.55 | 95   | 379159   | 39.55     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 79.10% |          |
| Target Compounds               |       |      |          |           |        |          |
| 16) Acetone                    | 3.24  | 43   | 4451     | Below Cal | #      | 64       |
| 20) Methylene Chloride         | 3.81  | 84   | 18913    | 2.940     | ug/l # | 77       |
| 31) Cyclohexane                | 7.04  | 56   | 17154    | 2.165     | ug/l # | 35       |
| 36) 1,1-Dichloropropene        | 7.03  | 75   | 58692    | 5.397     | ug/l # | 58       |
| 37) Ethyl Acetate              | 6.19  | 43   | 534      | Below Cal | #      | 69       |
| 38) Carbon Tetrachloride       | 7.03  | 117  | 79051    | 4.834     | ug/l # | 18       |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75   | 168340   | 108.113   | ug/l # | 2        |

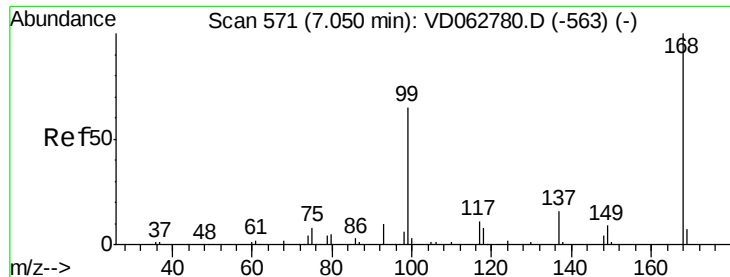
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071019\  
Data File : VD063064.D  
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Sample : K3726-06  
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MSVOA\_D  
ClientSampleId :  
COMP-1\_070919

Quant Time: Jul 11 07:01:57 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 01:50:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD063064.D

Acq: 10 Jul 2019 18:05

Instrument :

MSVOA\_D

ClientSampleId :

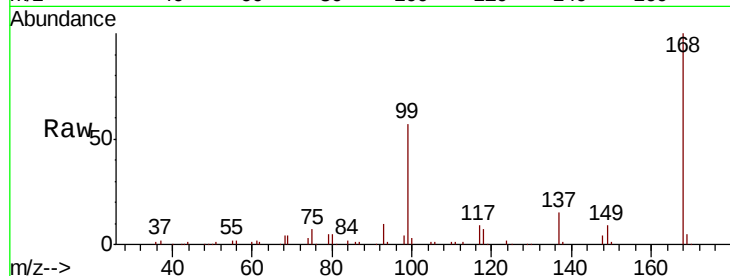
COMP-1\_070919

Tot Ion:168 Resp: 776080

Ion Ratio Lower Upper

168 100

99 56.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

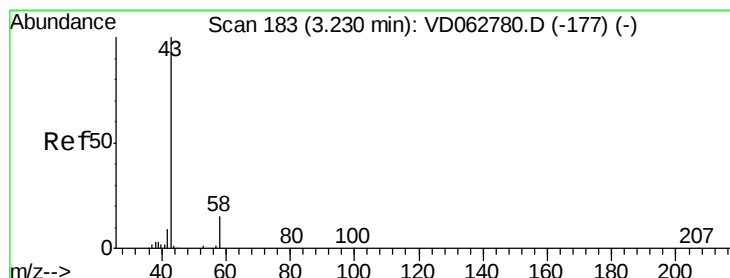
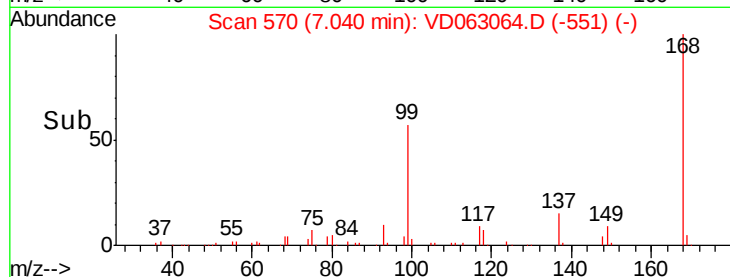
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: Below Cal

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD063064.D

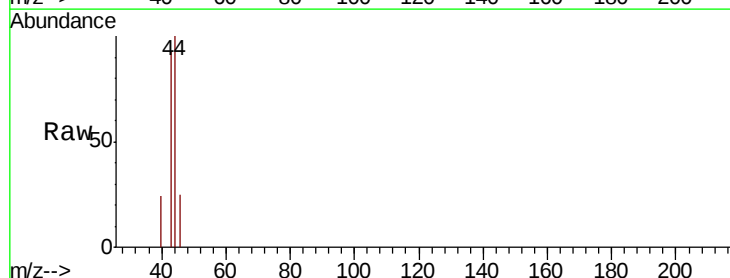
Acq: 10 Jul 2019 18:05

Tgt Ion: 43 Resp: 4451

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500

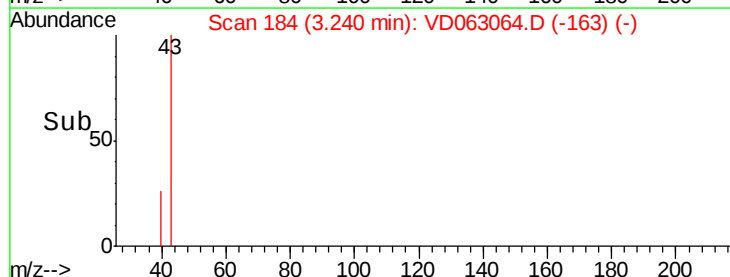
1000

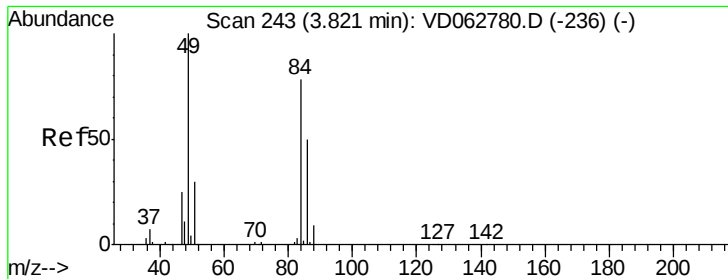
500

0

Time-->

3.15 3.20 3.25 3.30





#20

Methylene Chloride

Concen: 2.940 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD063064.D

Acq: 10 Jul 2019 18:05

Instrument :

MSVOA\_D

ClientSampleId :

COMP-1\_070919

Tot Ion: 84 Resp: 18913

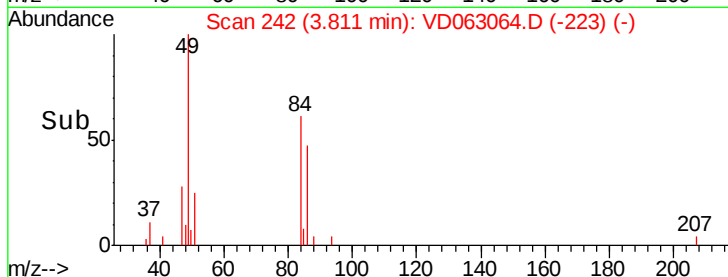
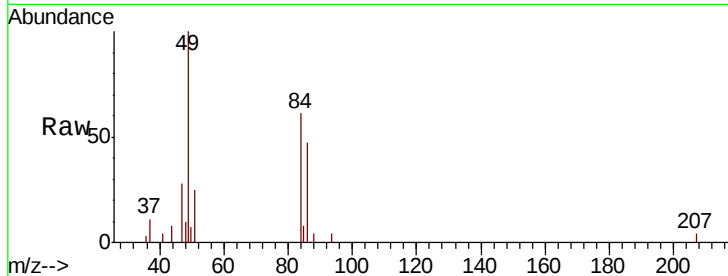
Ion Ratio Lower Upper

84 100

49 164.9 102.9 154.3#

51 41.7 31.2 46.8

86 77.0 51.4 77.2

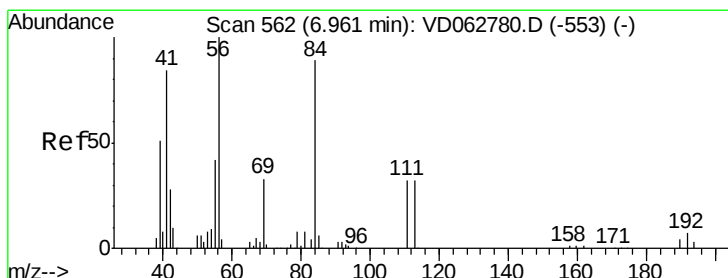
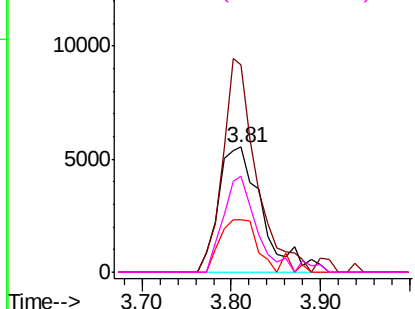


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31

Cyclohexane

Concen: 2.165 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD063064.D

Acq: 10 Jul 2019 18:05

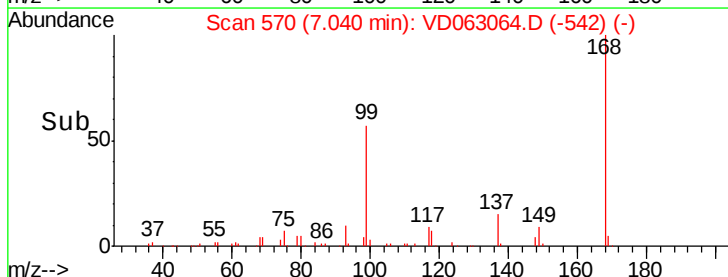
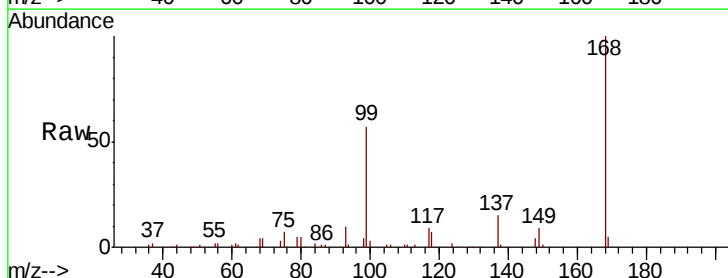
Tgt Ion: 56 Resp: 17154

Ion Ratio Lower Upper

56 100

69 161.6 26.6 39.8#

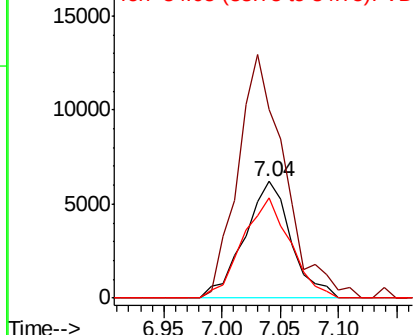
84 86.1 75.5 113.3

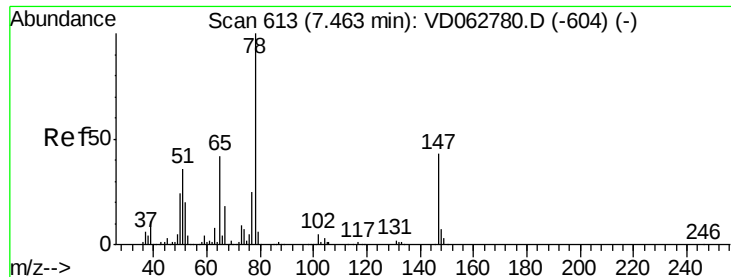


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.757 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063064.D

Acq: 10 Jul 2019 18:05

Instrument :

MSVOA\_D

ClientSampleId :

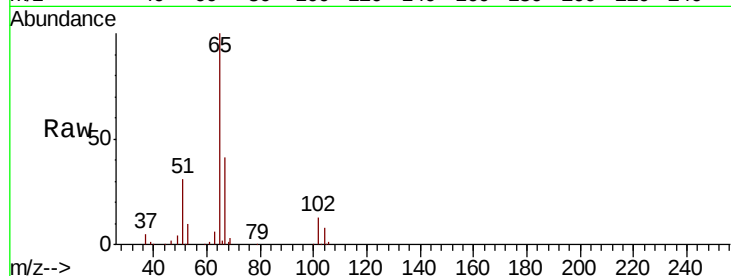
COMP-1\_070919

Tot Ion: 65 Resp: 394440

Ion Ratio Lower Upper

65 100

67 41.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

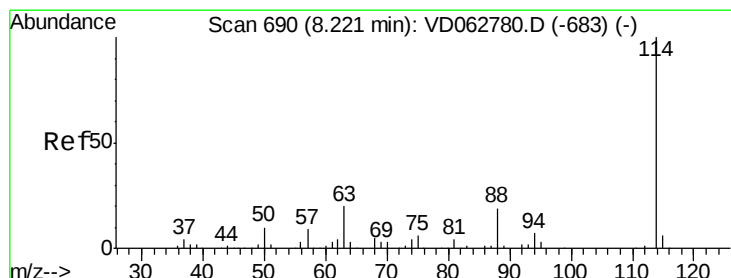
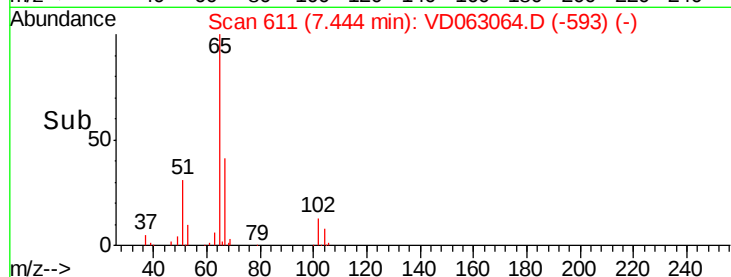
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD063064.D

Acq: 10 Jul 2019 18:05

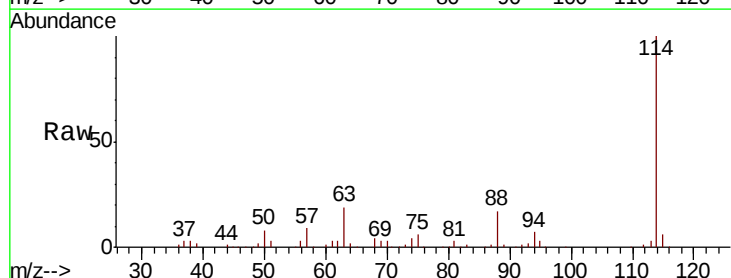
Tgt Ion: 114 Resp: 1148711

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 16.5 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

600000

500000

400000

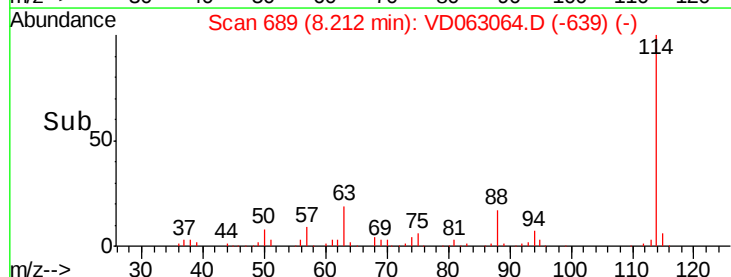
300000

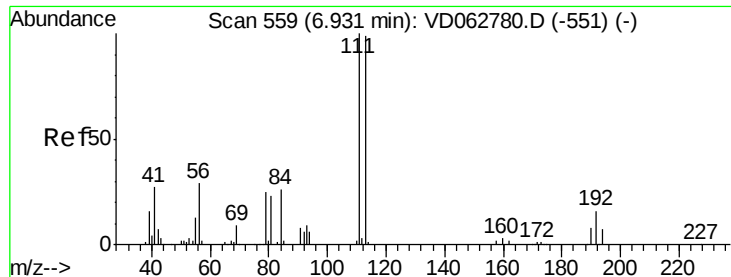
200000

100000

0

Time-->

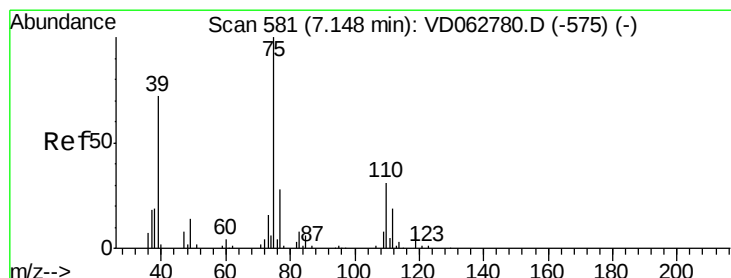
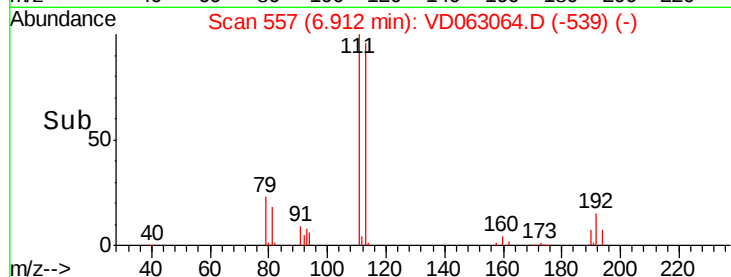
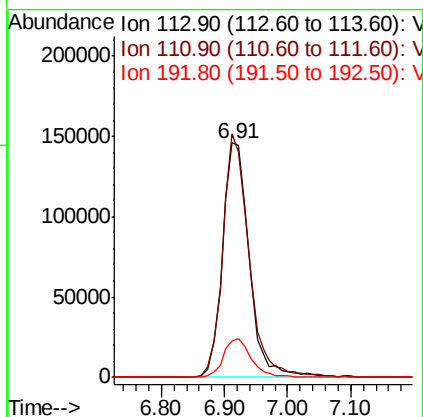
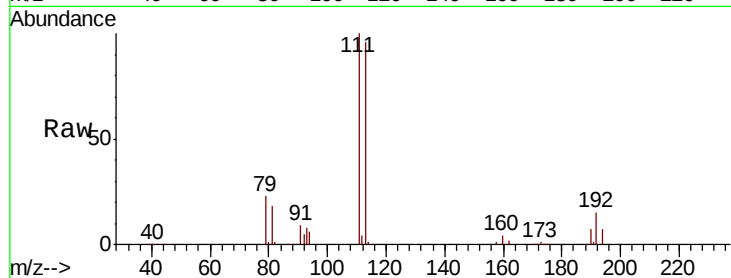




#35  
 Dibromofluoromethane  
 Concen: 44.305 ug/l  
 RT: 6.91 min Scan# 557  
 Delta R.T. -0.02 min  
 Lab File: VD063064.D  
 Acq: 10 Jul 2019 18:05

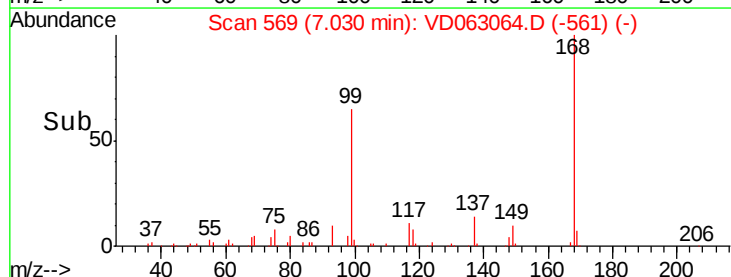
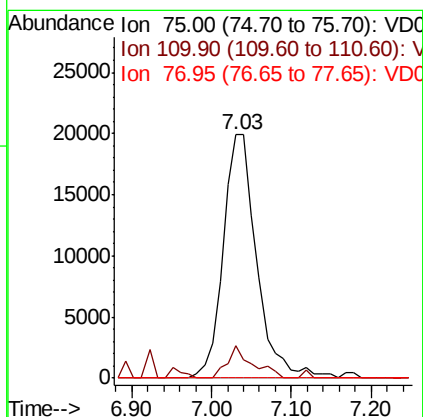
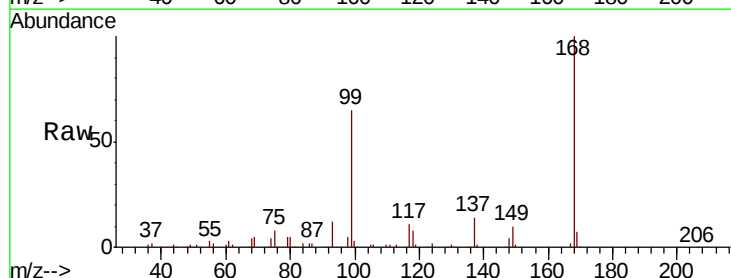
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 COMP-1\_070919

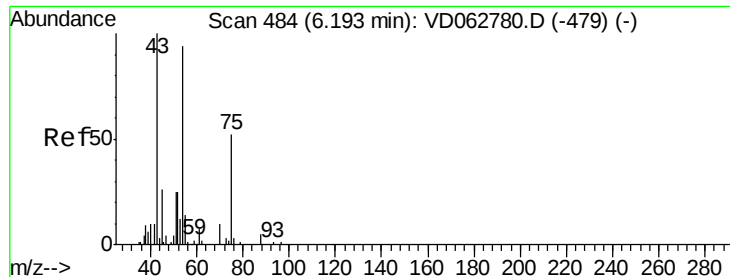
Tot Ion:113 Resp: 429130  
 Ion Ratio Lower Upper  
 113 100  
 111 104.0 81.2 121.8  
 192 15.6 12.9 19.3



#36  
 1,1-Dichloropropene  
 Concen: 5.397 ug/l  
 RT: 7.03 min Scan# 569  
 Delta R.T. -0.12 min  
 Lab File: VD063064.D  
 Acq: 10 Jul 2019 18:05

Tgt Ion: 75 Resp: 58692  
 Ion Ratio Lower Upper  
 75 100  
 110 13.1 15.0 45.1#  
 77 0.0 22.2 33.2#

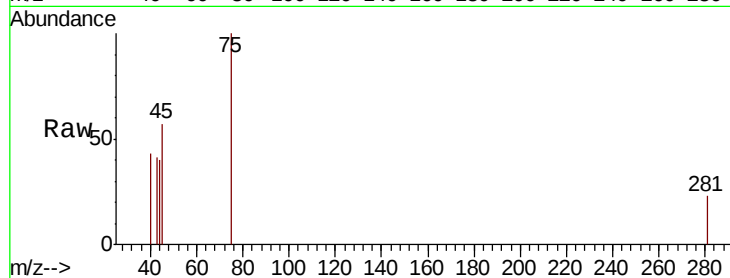




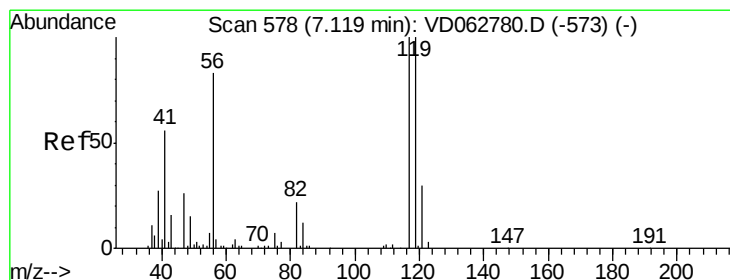
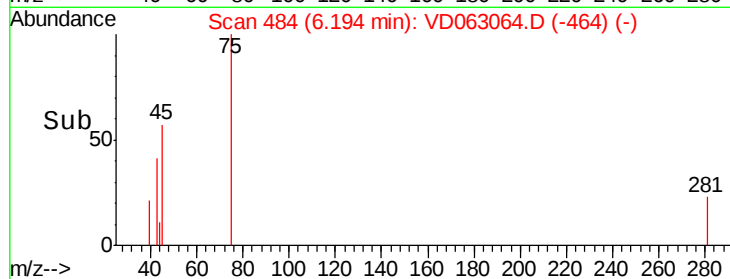
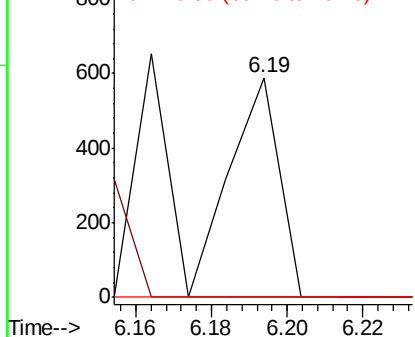
#37  
Ethyl Acetate  
Concen: Below Cal  
RT: 6.19 min Scan# 484  
Delta R.T. 0.00 min  
Lab File: VD063064.D  
Acq: 10 Jul 2019 18:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-1\_070919

Tot Ion: 43 Resp: 534  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.6 17.4#  
70 0.0 6.4 9.6#

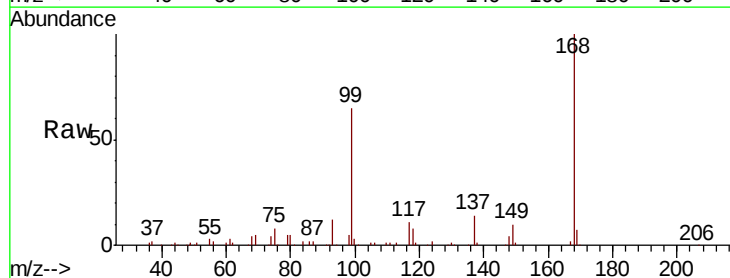


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC

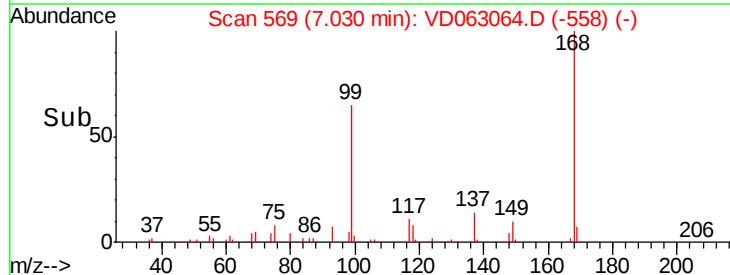
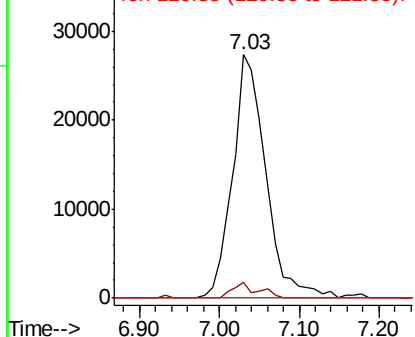


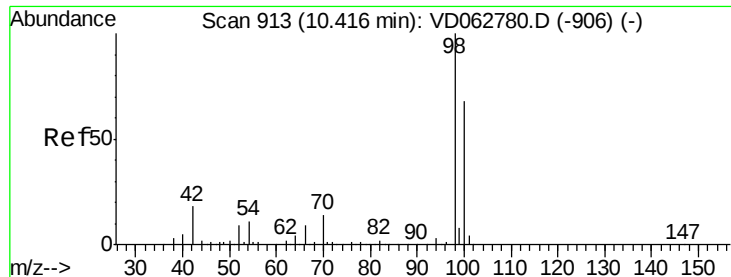
#38  
Carbon Tetrachloride  
Concen: 4.834 ug/l  
RT: 7.03 min Scan# 569  
Delta R.T. -0.09 min  
Lab File: VD063064.D  
Acq: 10 Jul 2019 18:05

Tgt Ion: 117 Resp: 79051  
Ion Ratio Lower Upper  
117 100  
119 6.6 75.4 113.2#  
121 0.0 22.3 33.5#



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 118.85 (118.55 to 119.55): V  
Ion 120.85 (120.55 to 121.55): V

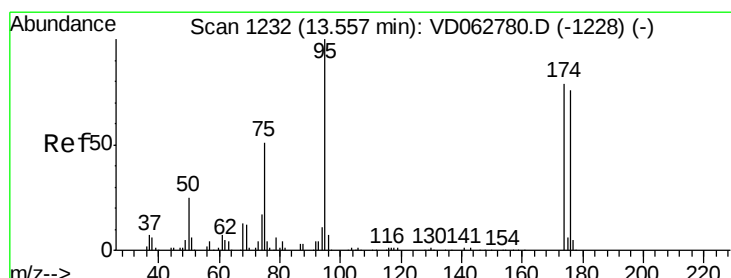
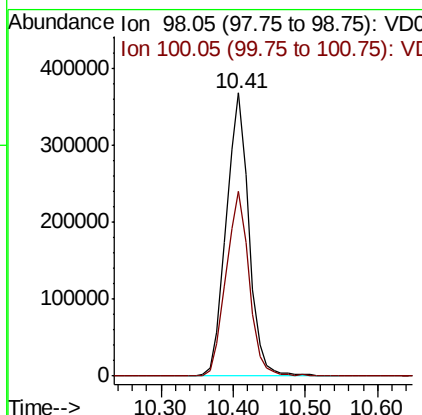
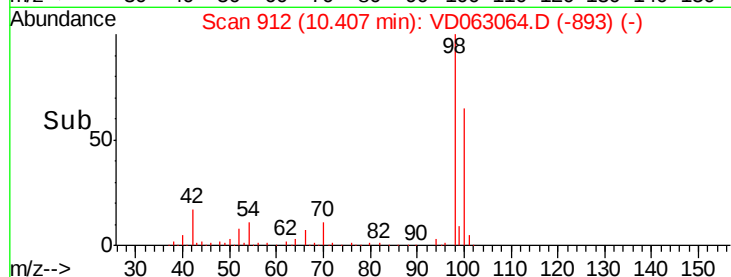
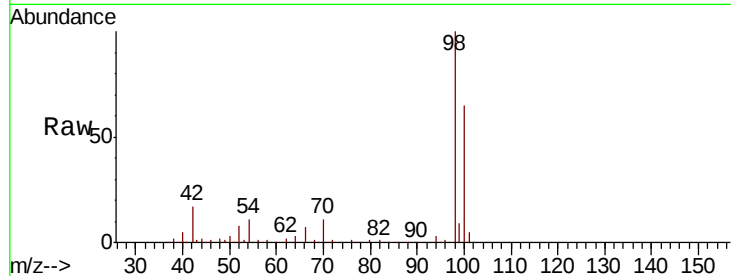




#50  
Toluene-d8  
Concen: 38.051 ug/l  
RT: 10.41 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: VD063064.D  
Acq: 10 Jul 2019 18:05

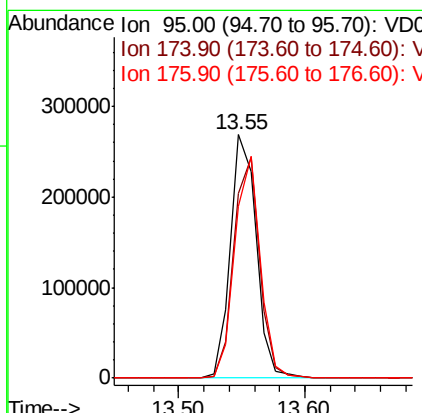
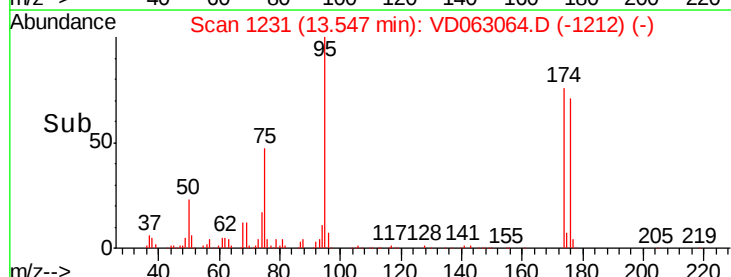
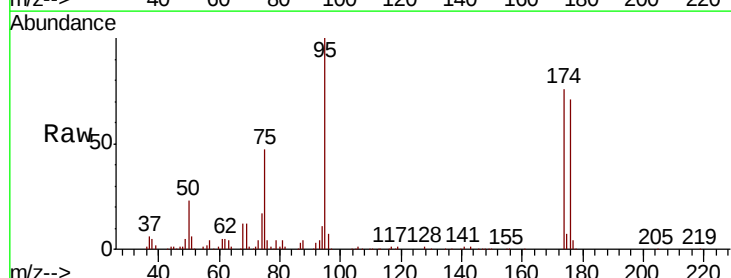
Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-1\_070919

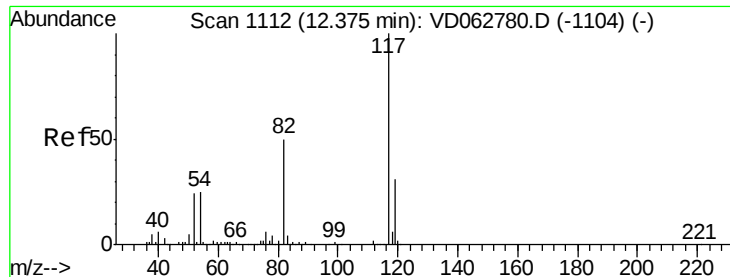
Tot Ion: 98 Resp: 802144  
Ion Ratio Lower Upper  
98 100  
100 65.3 54.7 82.1



#62  
4-Bromofluorobenzene  
Concen: 39.555 ug/l  
RT: 13.55 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: VD063064.D  
Acq: 10 Jul 2019 18:05

Tgt Ion: 95 Resp: 379159  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 158.0  
176 70.7 0.0 151.6

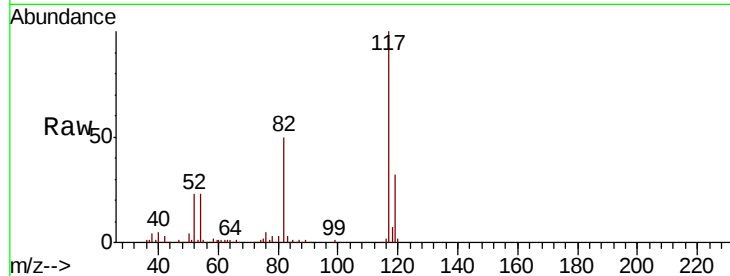




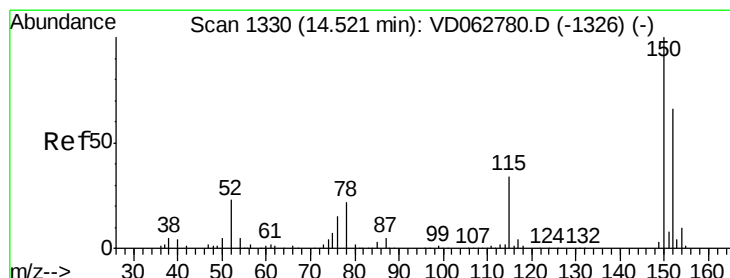
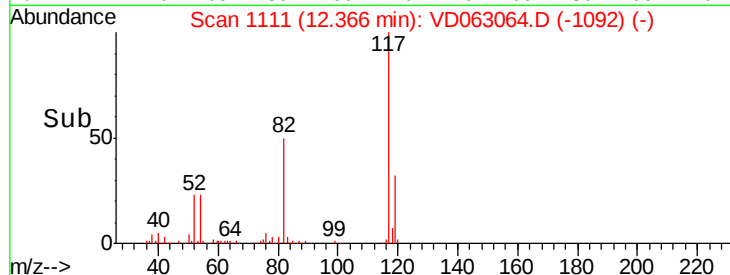
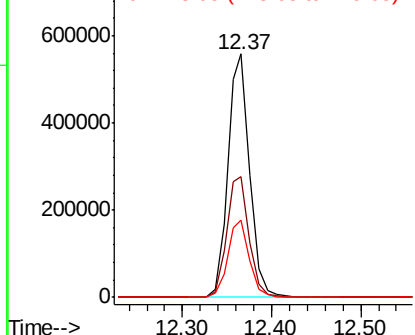
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: VD063064.D  
Acq: 10 Jul 2019 18:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-1\_070919

Tot Ion:117 Resp: 959388  
Ion Ratio Lower Upper  
117 100  
82 49.8 40.4 60.6  
119 31.8 25.2 37.8

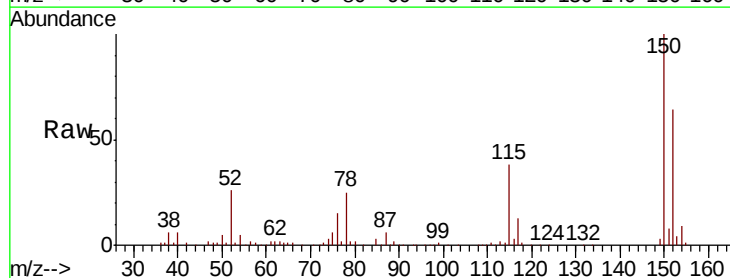


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

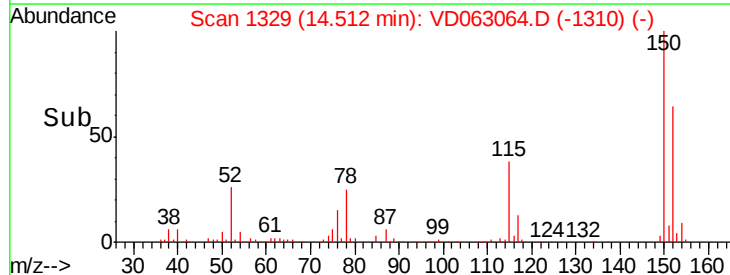
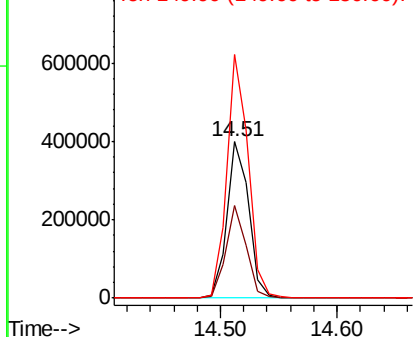


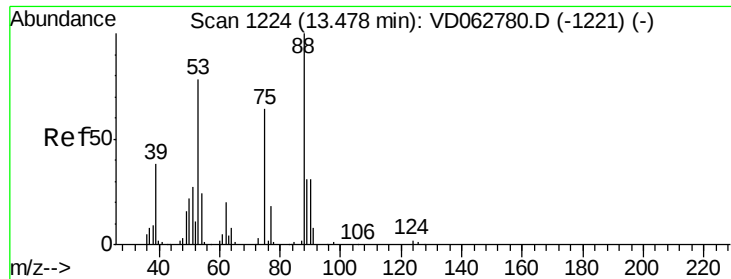
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1329  
Delta R.T. -0.01 min  
Lab File: VD063064.D  
Acq: 10 Jul 2019 18:05

Tgt Ion:152 Resp: 514636  
Ion Ratio Lower Upper  
152 100  
115 59.3 29.2 87.6  
150 155.6 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.113 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD063064.D

Acq: 10 Jul 2019 18:05

Instrument :

MSVOA\_D

ClientSampleId :

COMP-1\_070919

Tot Ion: 75 Resp: 168340

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

