

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD081120\  
 Data File : VD066188.D  
 Acq On : 11 Aug 2020 15:59  
 Operator : VA/SY  
 Sample : L3594-09RE  
 Misc : 7.41G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-3

Quant Time: Aug 11 21:00:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:49:25 2020  
 Response via : Initial Calibration

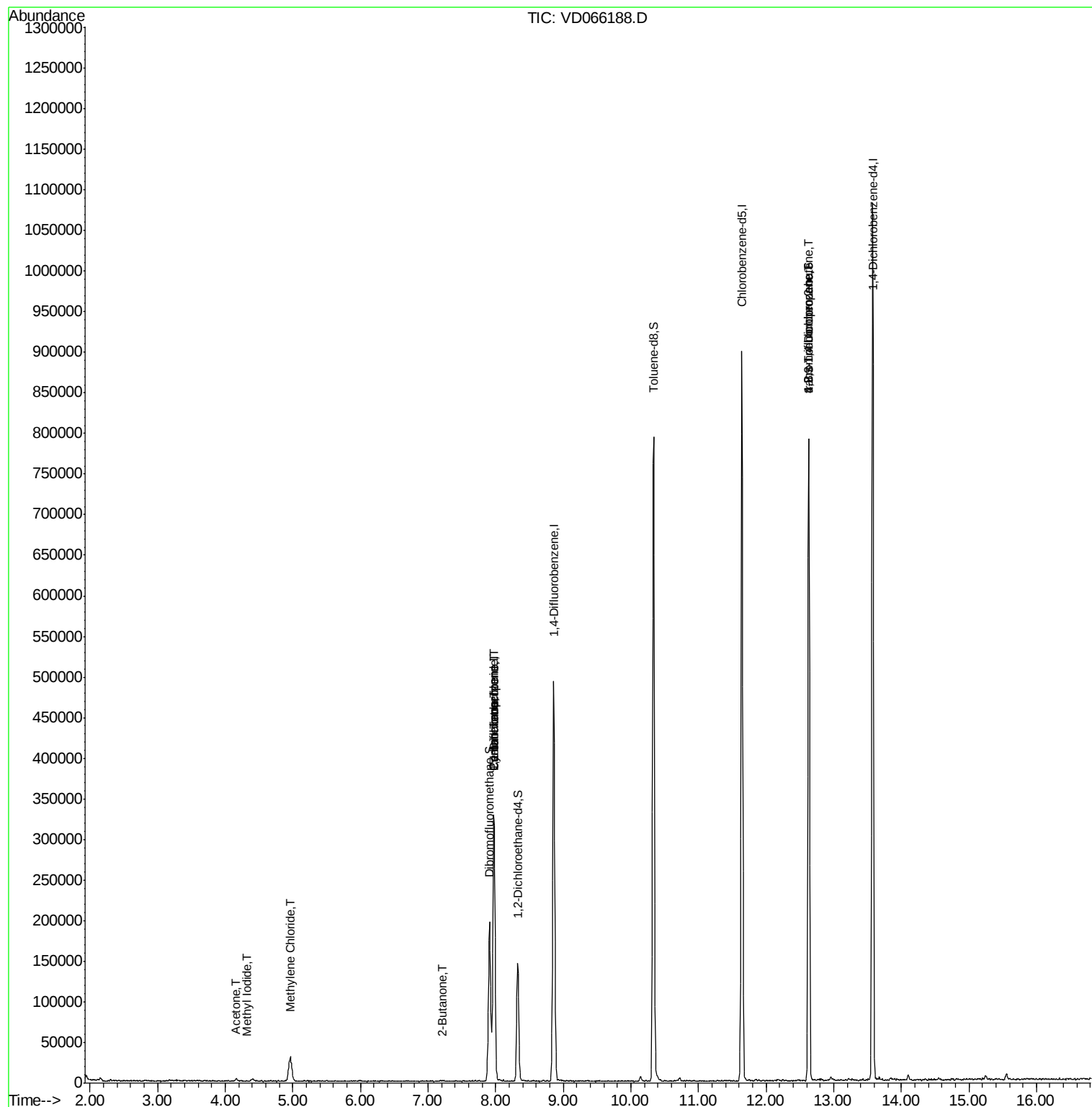
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene          | 7.97  | 168  | 262550   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.86  | 114  | 441273   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.64 | 117  | 523489   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.58 | 152  | 291698   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.33  | 65   | 116443   | 49.71   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 99.42%  |          |
| 35) Dibromofluoromethane       | 7.91  | 113  | 137425   | 49.16   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 98.32%  |          |
| 50) Toluene-d8                 | 10.34 | 98   | 547994   | 53.12   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 106.24% |          |
| 62) 4-Bromofluorobenzene       | 12.63 | 95   | 255358   | 68.67   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 137.34% |          |
| Target Compounds               |       |      |          |         |         |          |
|                                |       |      |          |         | Qvalue  |          |
| 10) Methyl Iodide              | 4.31  | 142  | 58       | 6.734   | ug/l #  | 39       |
| 16) Acetone                    | 4.16  | 43   | 4935     | 11.104  | ug/l #  | 80       |
| 20) Methylene Chloride         | 4.96  | 84   | 24492    | 5.438   | ug/l    | 97       |
| 25) 2-Butanone                 | 7.21  | 43   | 1330     | 2.035   | ug/l    | 100      |
| 31) Cyclohexane                | 7.97  | 56   | 4787     | 1.167   | ug/l #  | 58       |
| 36) 1,1-Dichloropropene        | 7.97  | 75   | 18032    | 4.349   | ug/l #  | 50       |
| 38) Carbon Tetrachloride       | 7.97  | 117  | 24366    | 5.269   | ug/l #  | 14       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 126946   | 52.186  | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75   | 126946   | 115.361 | ug/l #  | 13       |

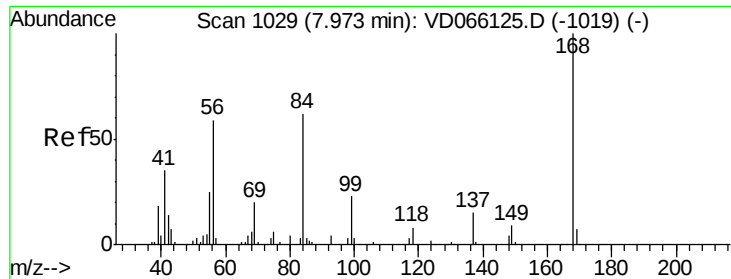
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD081120\  
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ALS Vial : 11 Sample Multiplier: 1

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TP-3

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:49:25 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066188.D

Acq: 11 Aug 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

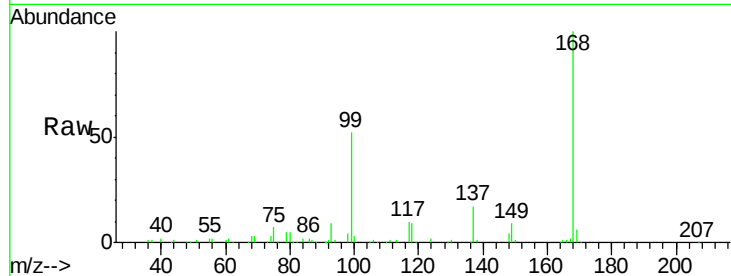
TP-3

Tgt Ion:168 Resp: 262550

Ion Ratio Lower Upper

168 100

99 51.8 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

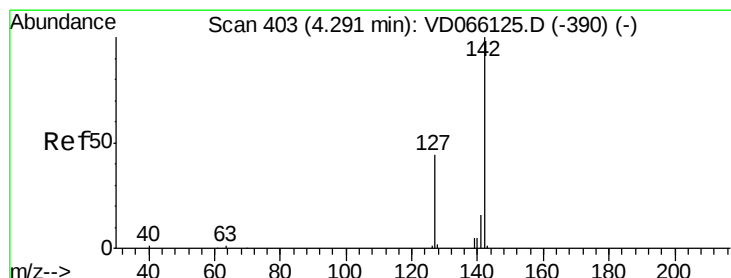
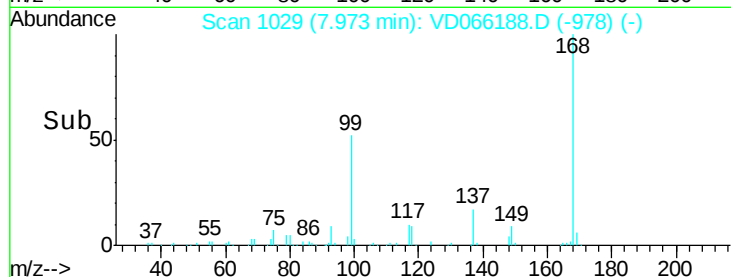
100000

50000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 6.734 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD066188.D

Acq: 11 Aug 2020 15:59

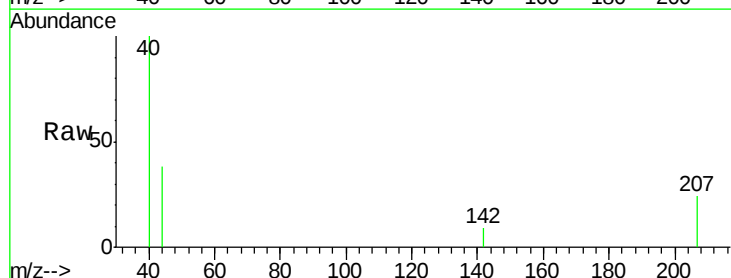
Tgt Ion:142 Resp: 58

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.31

200

150

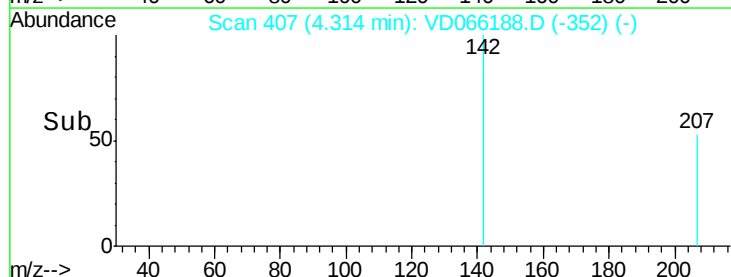
100

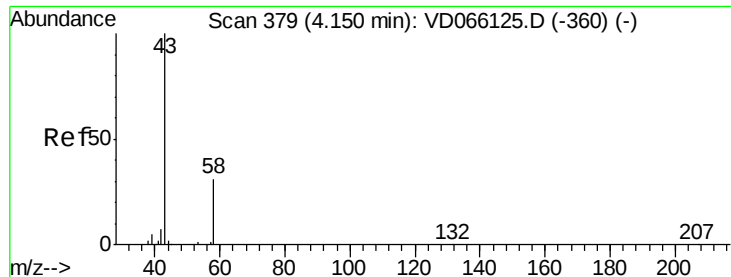
50

0

Time-->

4.30 4.31 4.32 4.33





#16

Acetone

Concen: 11.104 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066188.D

Acq: 11 Aug 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

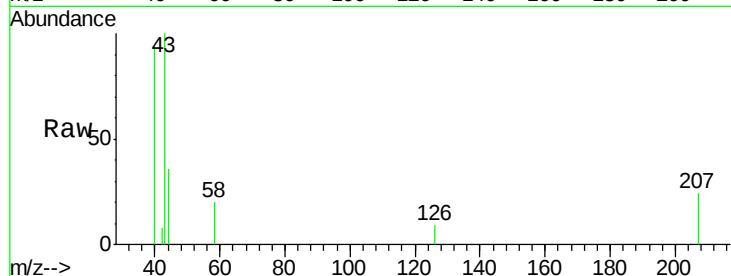
TP-3

Tgt Ion: 43 Resp: 4935

Ion Ratio Lower Upper

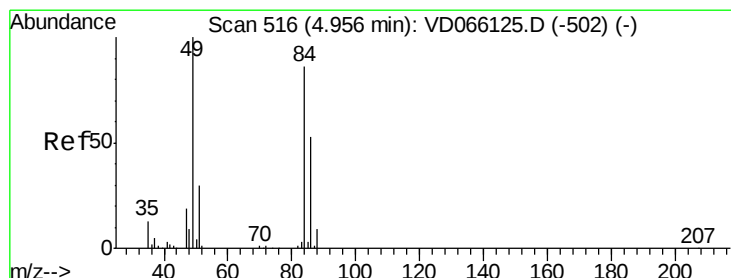
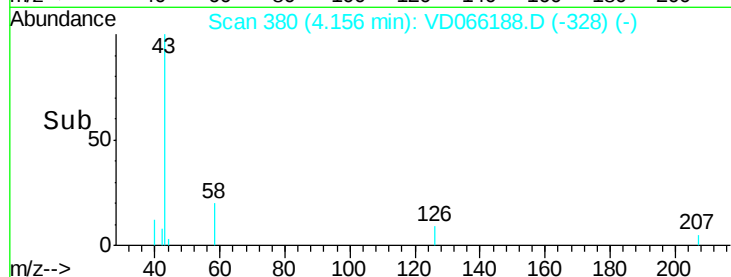
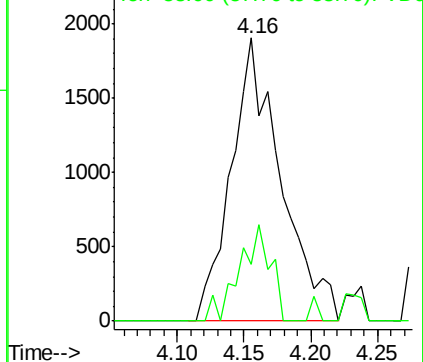
43 100

58 19.9 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 5.438 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066188.D

Acq: 11 Aug 2020 15:59

Tgt Ion: 84 Resp: 24492

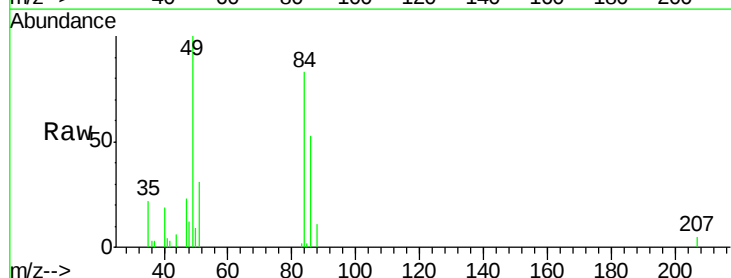
Ion Ratio Lower Upper

84 100

49 120.9 93.5 140.3

51 37.3 28.2 42.4

86 63.7 49.5 74.3

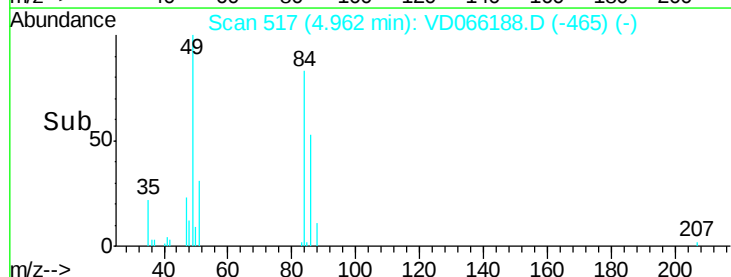
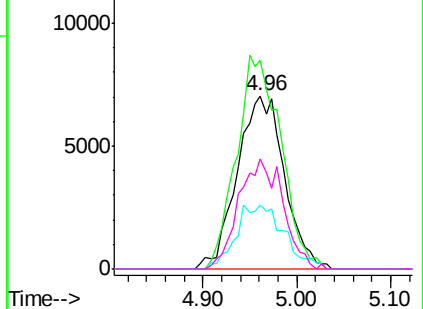


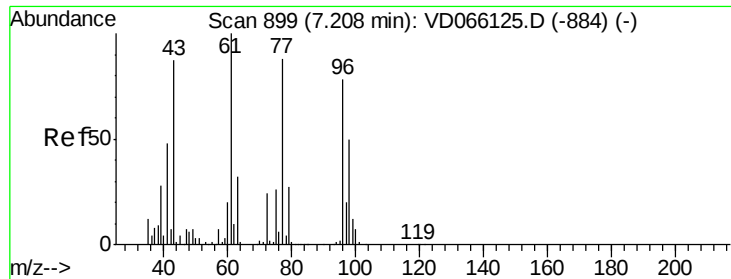
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 2.035 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066188.D

Acq: 11 Aug 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

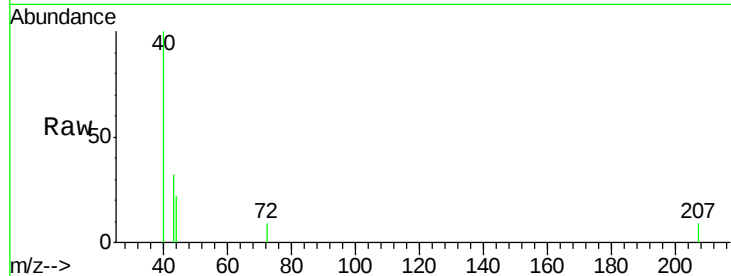
TP-3

Tgt Ion: 43 Resp: 1330

Ion Ratio Lower Upper

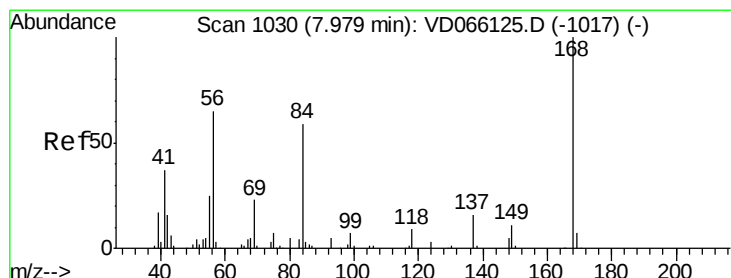
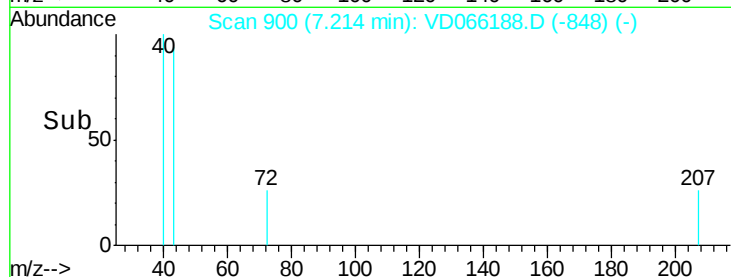
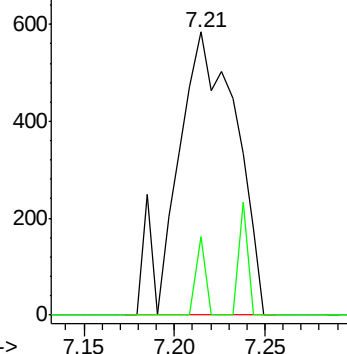
43 100

72 27.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.167 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066188.D

Acq: 11 Aug 2020 15:59

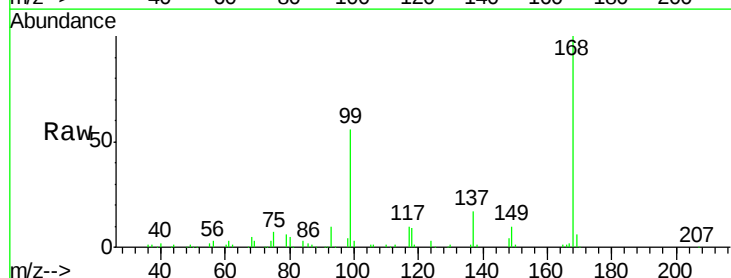
Tgt Ion: 56 Resp: 4787

Ion Ratio Lower Upper

56 100

69 115.0 28.8 43.2#

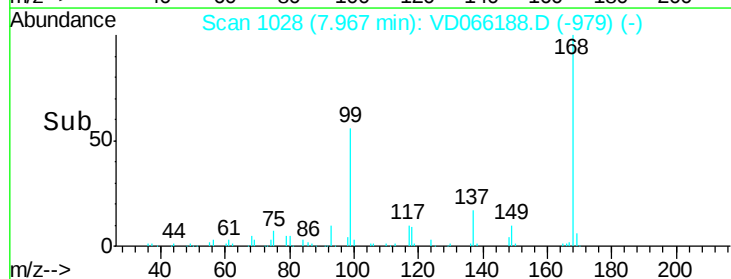
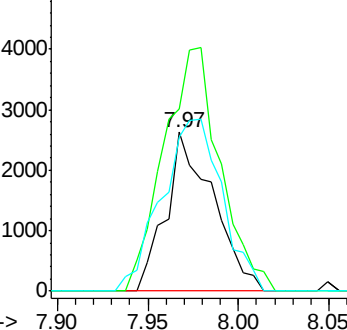
84 97.0 73.0 109.6

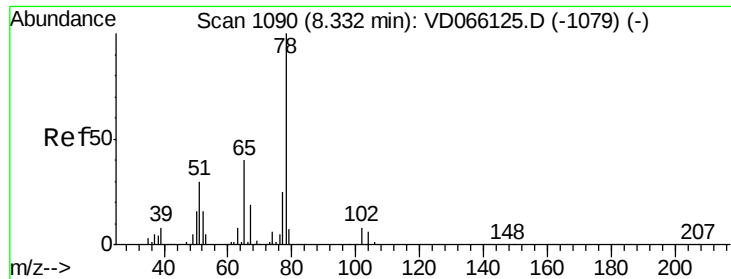


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

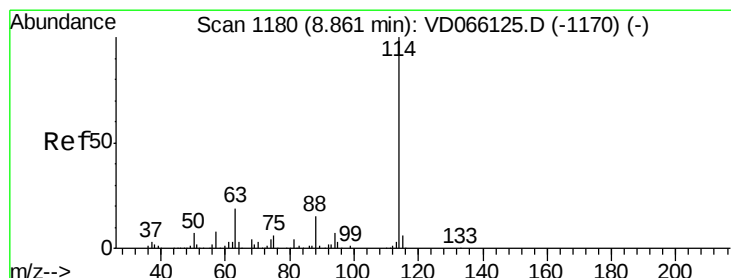
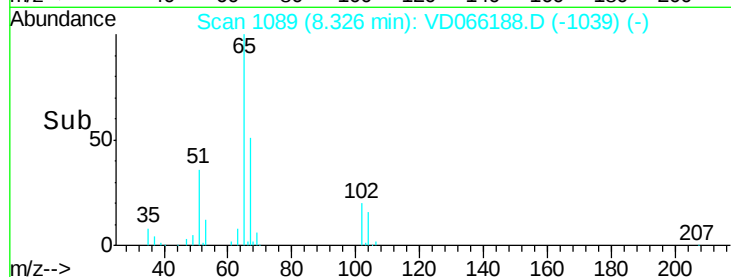
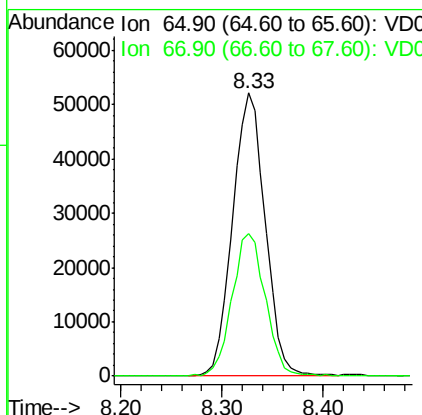
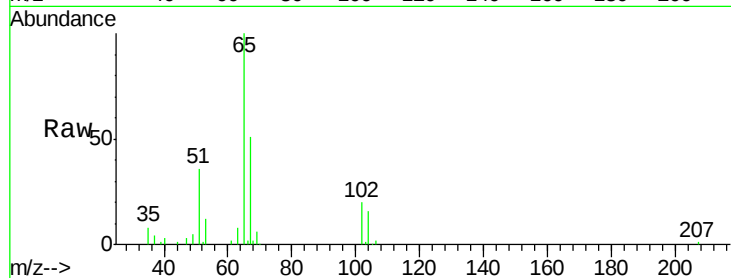




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.712 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. -0.01 min  
 Lab File: VD066188.D  
 Acq: 11 Aug 2020 15:59

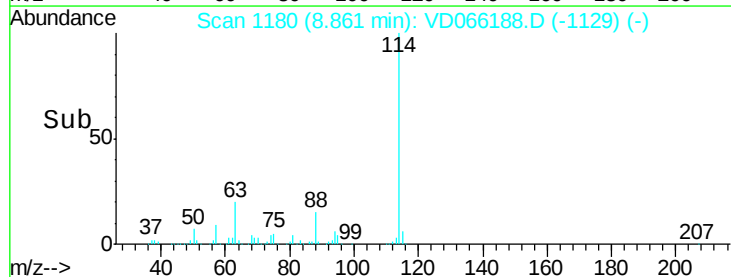
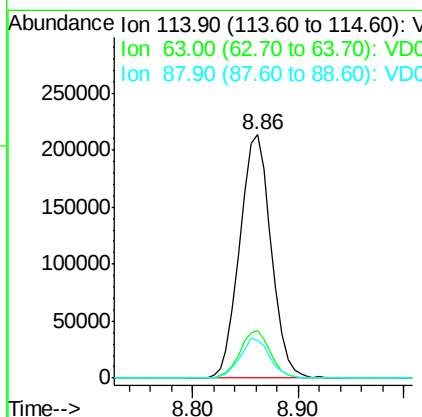
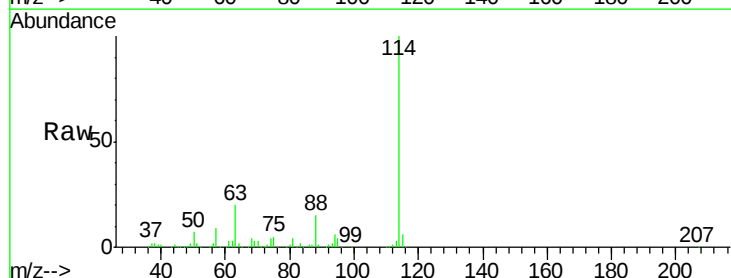
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-3

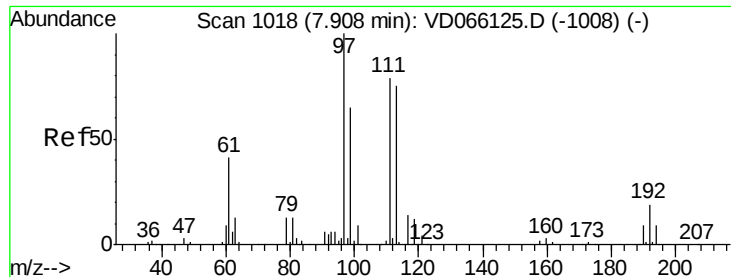
Tgt Ion: 65 Resp: 116443  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066188.D  
 Acq: 11 Aug 2020 15:59

Tgt Ion: 114 Resp: 441273  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 38.6  
 88 15.4 0.0 30.0

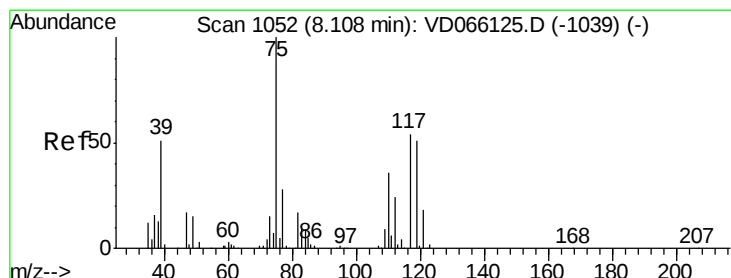
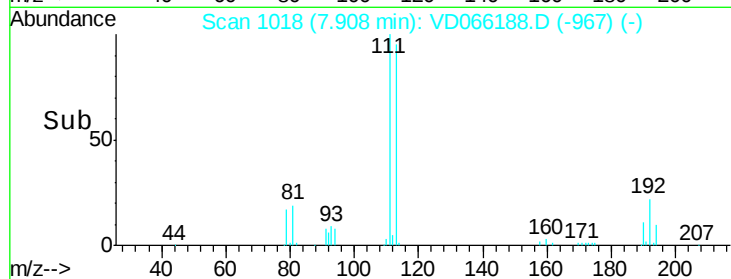
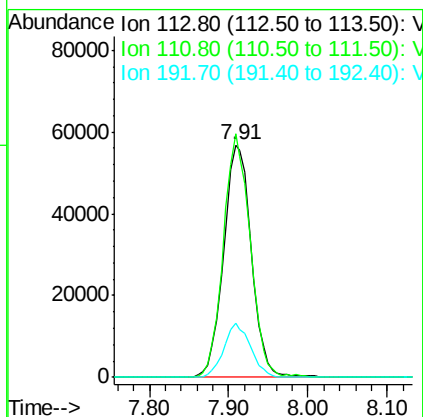
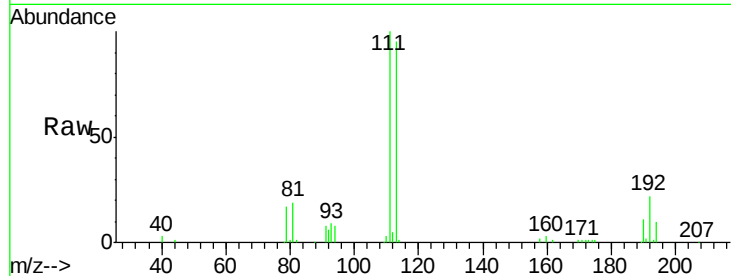




#35  
 Dibromofluoromethane  
 Concen: 49.161 ug/l  
 RT: 7.91 min Scan# 1018  
 Delta R.T. 0.00 min  
 Lab File: VD066188.D  
 Acq: 11 Aug 2020 15:59

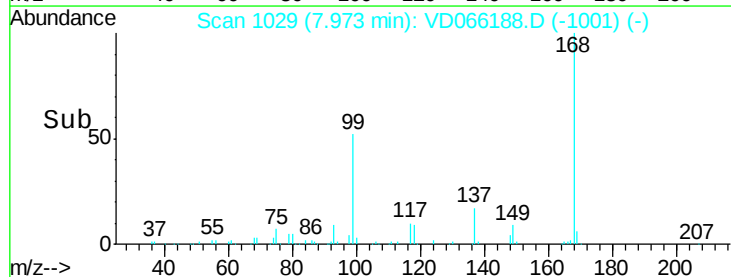
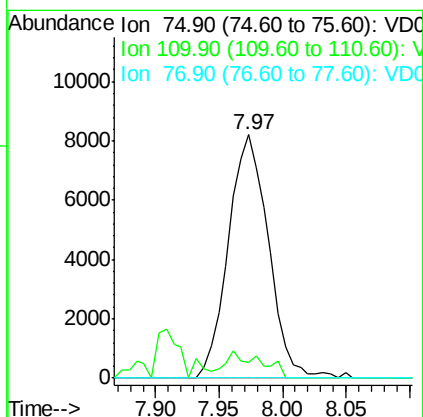
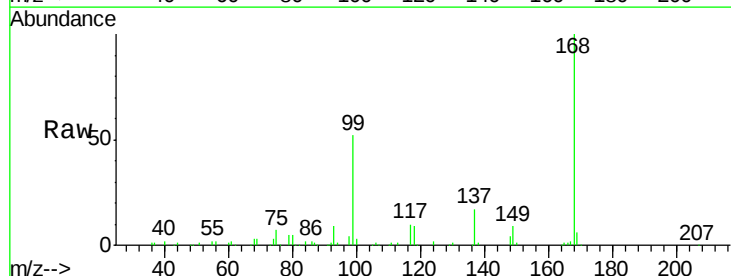
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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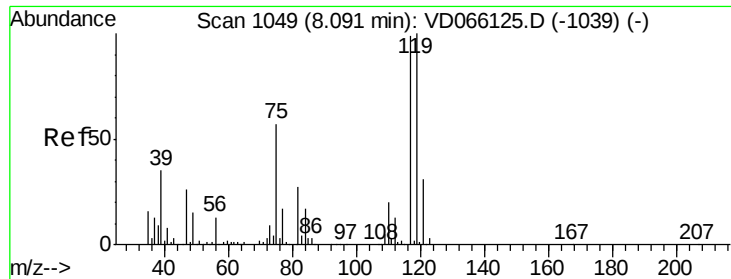
Tgt Ion:113 Resp: 137425  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 80.7 121.1  
 192 22.4 18.4 27.6



#36  
 1,1-Dichloropropene  
 Concen: 4.349 ug/l  
 RT: 7.97 min Scan# 1029  
 Delta R.T. -0.14 min  
 Lab File: VD066188.D  
 Acq: 11 Aug 2020 15:59

Tgt Ion: 75 Resp: 18032  
 Ion Ratio Lower Upper  
 75 100  
 110 9.7 18.8 56.3#  
 77 0.0 24.2 36.2#

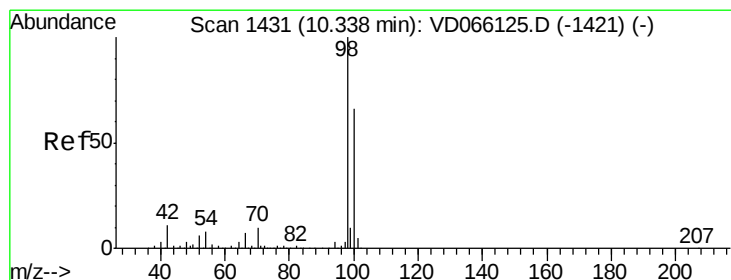
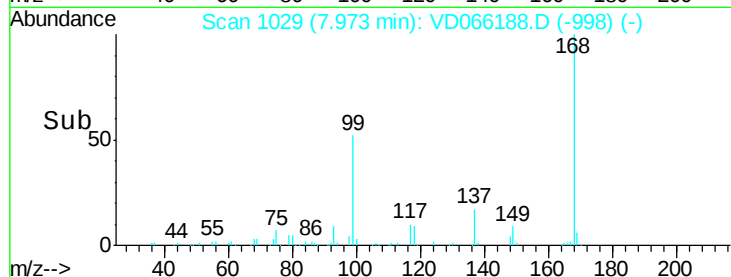
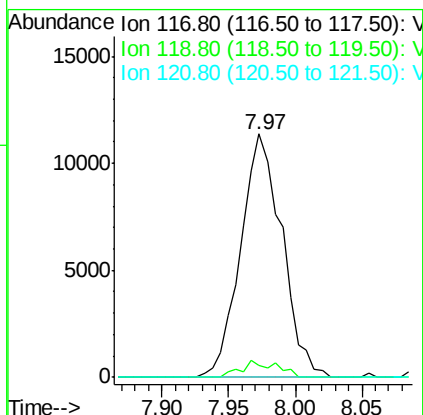
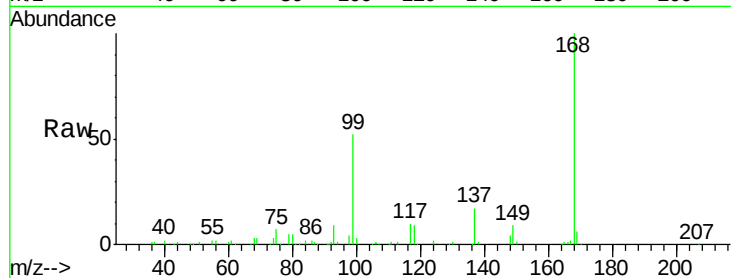




#38  
Carbon Tetrachloride  
Concen: 5.269 ug/l  
RT: 7.97 min Scan# 1029  
Delta R.T. -0.12 min  
Lab File: VD066188.D  
Acq: 11 Aug 2020 15:59

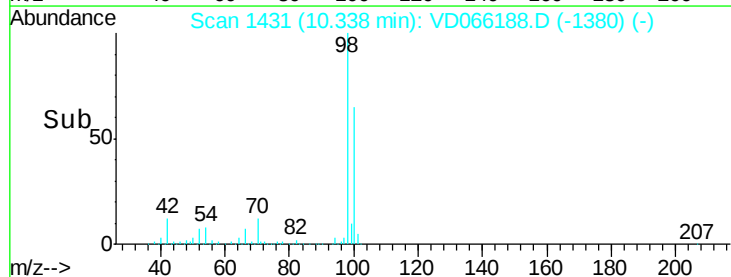
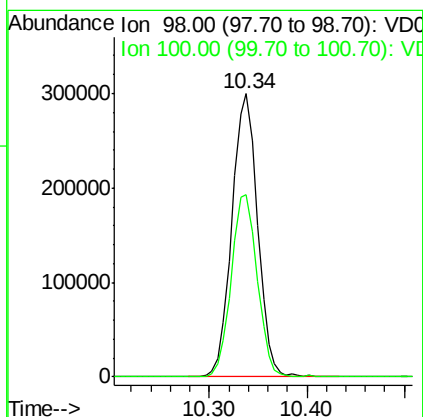
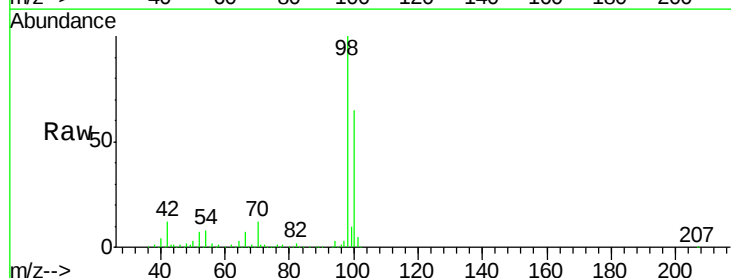
Instrument :  
MSVOA\_D  
ClientSampled :  
TP-3

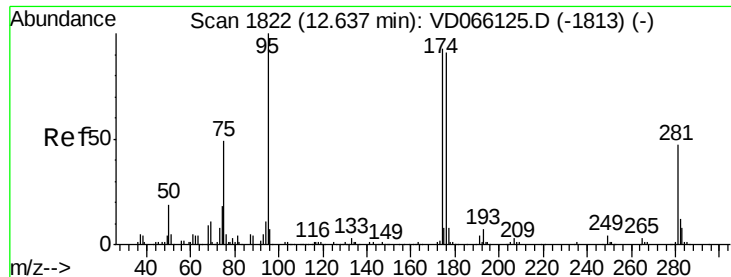
Tgt Ion: 117 Resp: 24366  
Ion Ratio Lower Upper  
117 100  
119 4.9 81.0 121.4#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 53.122 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD066188.D  
Acq: 11 Aug 2020 15:59

Tgt Ion: 98 Resp: 547994  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.6 78.8

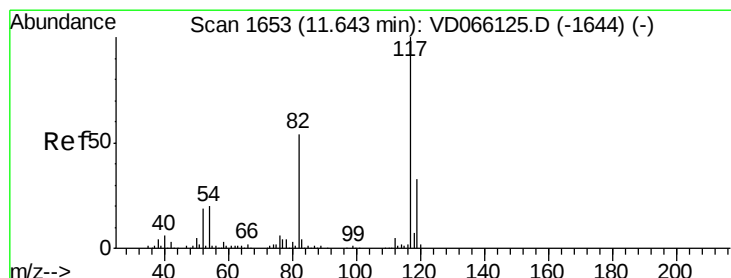
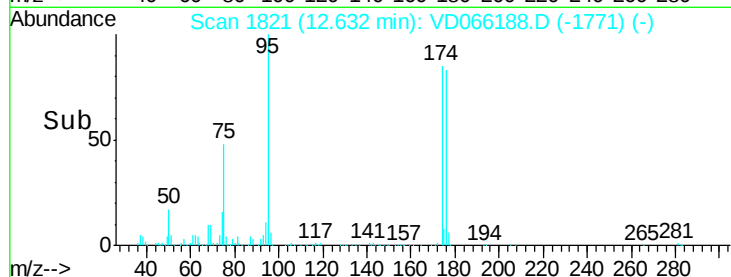
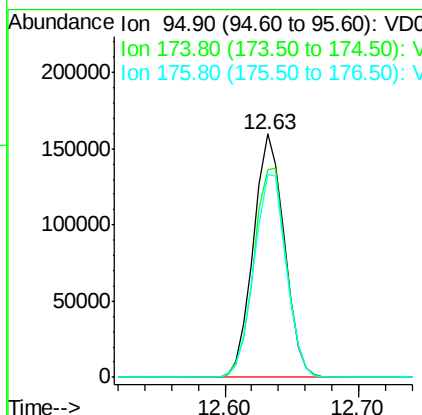
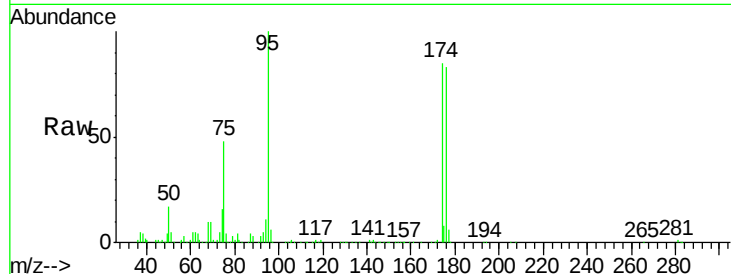




#62  
4-Bromofluorobenzene  
Concen: 68.674 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.01 min  
Lab File: VD066188.D  
Acq: 11 Aug 2020 15:59

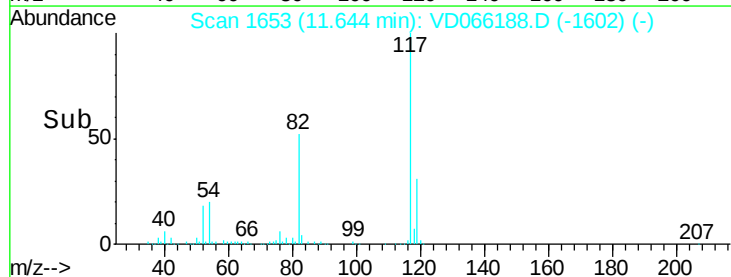
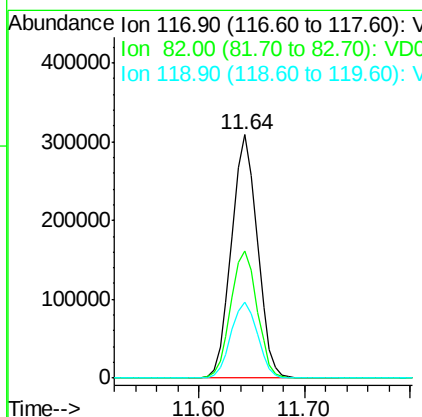
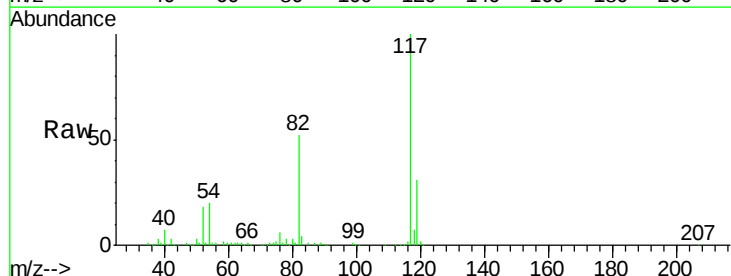
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-3

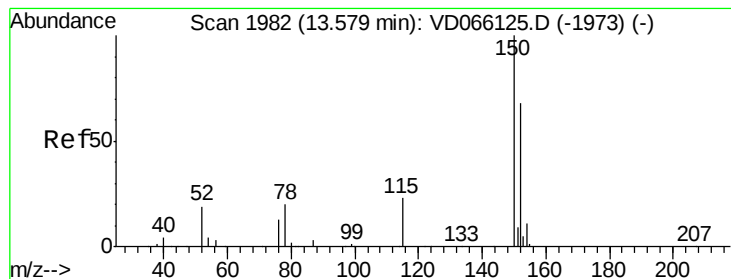
Tgt Ion: 95 Resp: 255358  
Ion Ratio Lower Upper  
95 100  
174 90.3 0.0 180.8  
176 87.2 0.0 181.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066188.D  
Acq: 11 Aug 2020 15:59

Tgt Ion: 117 Resp: 523489  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.0 64.4  
119 31.1 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066188.D

Acq: 11 Aug 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

TP-3

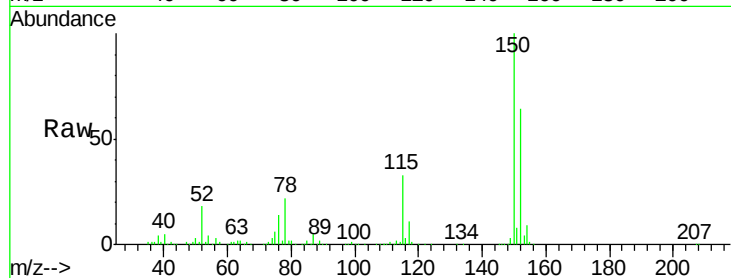
Tgt Ion:152 Resp: 291698

Ion Ratio Lower Upper

152 100

115 55.6 28.0 83.9

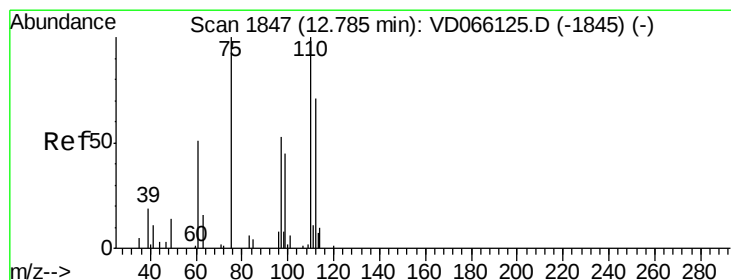
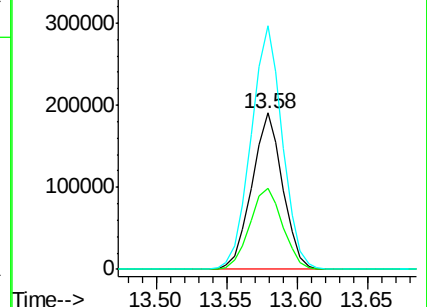
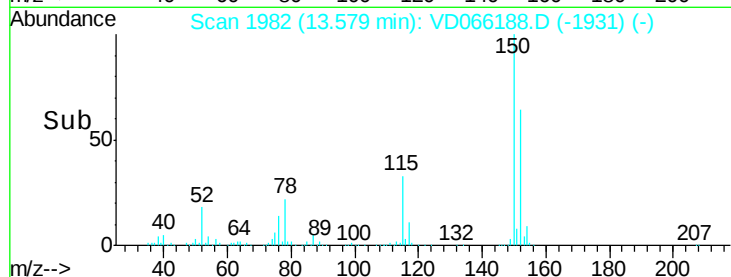
150 158.7 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 52.186 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066188.D

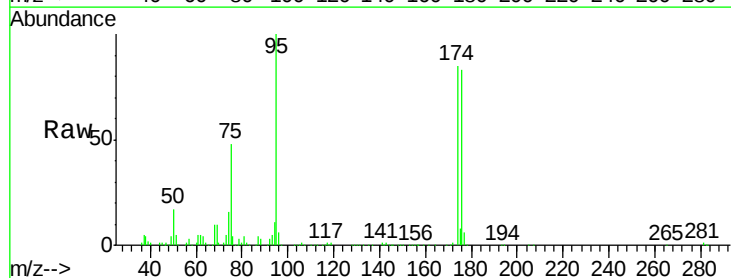
Acq: 11 Aug 2020 15:59

Tgt Ion: 75 Resp: 126946

Ion Ratio Lower Upper

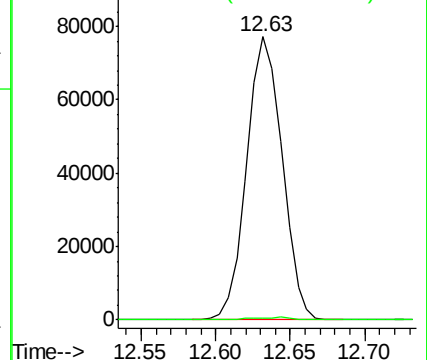
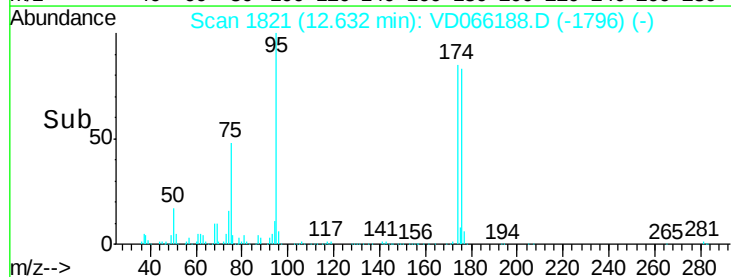
75 100

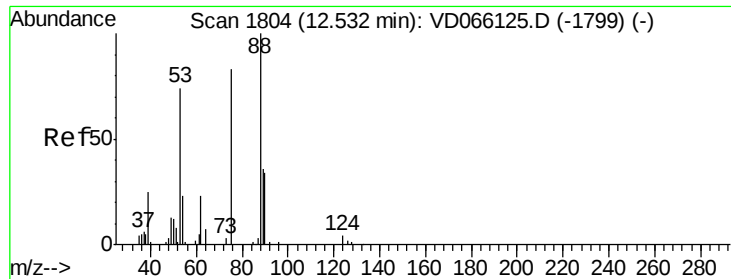
77 1.1 0.0 0.0#



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: 115.361 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066188.D

Acq: 11 Aug 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

TP-3

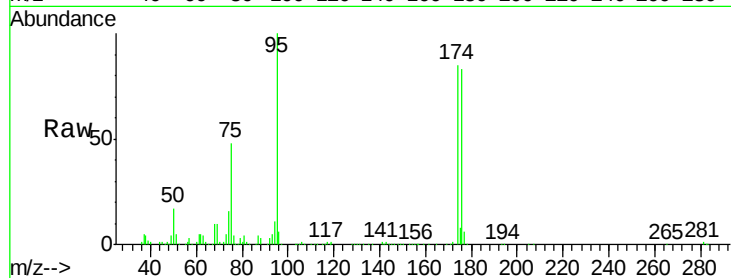
Tgt Ion: 75 Resp: 126946

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

