

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\  
 Data File : VD066058.D  
 Acq On : 24 Jul 2020 20:14  
 Operator : VA/SY  
 Sample : L3436-03  
 Misc : 7.01G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 3

Quant Time: Jul 24 23:55:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072120S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 21 12:34:13 2020  
 Response via : Initial Calibration

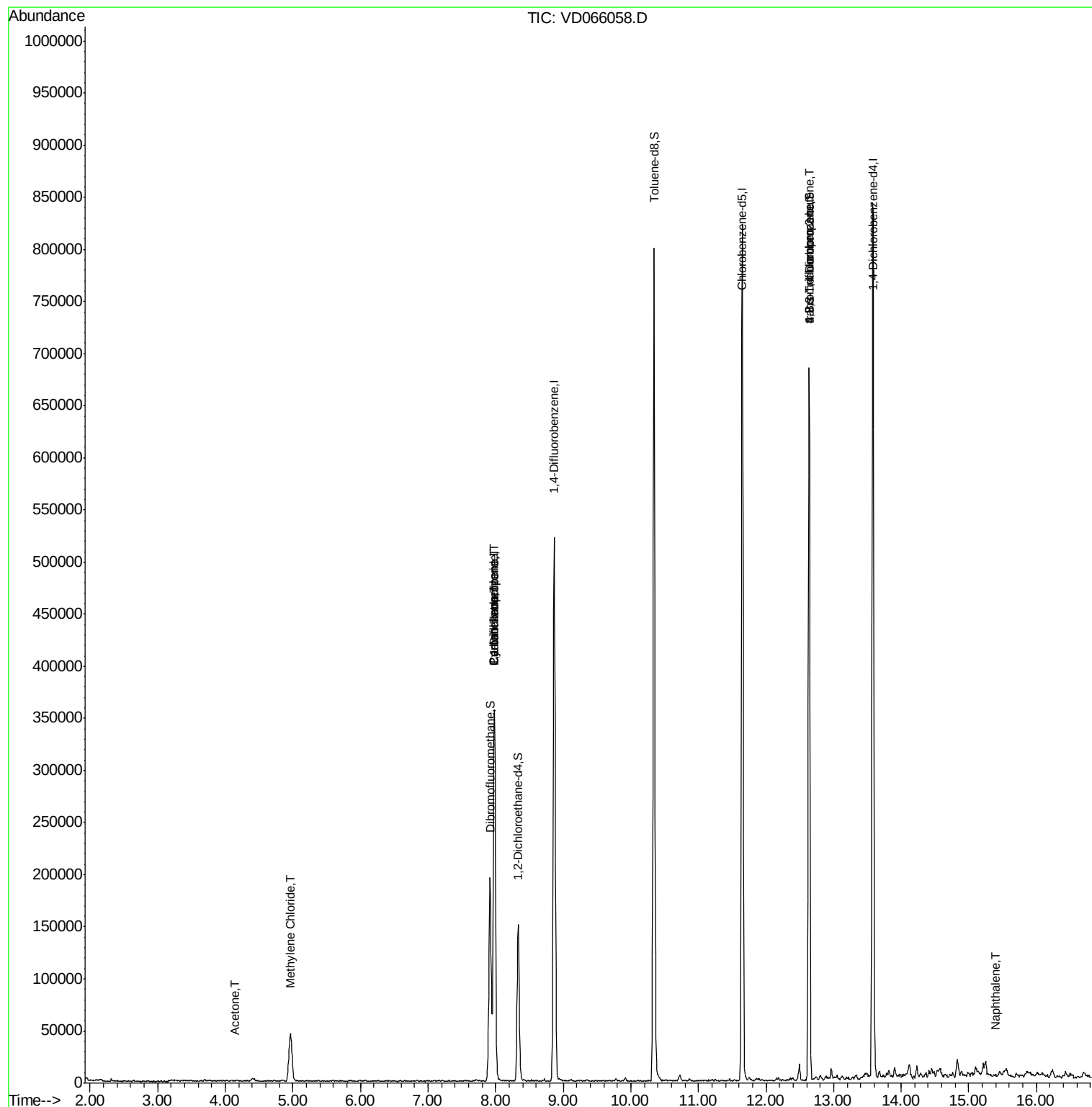
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.99  | 168  | 294825   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.87  | 114  | 450468   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.65 | 117  | 474405   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.58 | 152  | 246078   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.33  | 65   | 121250   | 50.54     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 101.08% |          |
| 35) Dibromofluoromethane       | 7.92  | 113  | 140322   | 51.36     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 102.72% |          |
| 50) Toluene-d8                 | 10.34 | 98   | 543379   | 53.39     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 106.78% |          |
| 62) 4-Bromofluorobenzene       | 12.64 | 95   | 215887   | 61.17     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 122.34% |          |
| Target Compounds               |       |      |          |           |         |          |
| 11) Tert butyl alcohol         | 5.26  | 59   | 54       | Below Cal | #       | 83       |
| 16) Acetone                    | 4.14  | 43   | 561      | 1.155     | ug/l #  | 42       |
| 20) Methylene Chloride         | 4.96  | 84   | 35855    | 11.044    | ug/l    | 97       |
| 31) Cyclohexane                | 7.98  | 56   | 5554     | 1.287     | ug/l #  | 9        |
| 36) 1,1-Dichloropropene        | 7.98  | 75   | 19968    | 5.194     | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.98  | 117  | 28251    | 6.772     | ug/l #  | 19       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 106276   | 57.358    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75   | 106276   | 131.618   | ug/l #  | 11       |
| 95) Naphthalene                | 15.40 | 128  | 572      | 3.615     | ug/l #  | 68       |

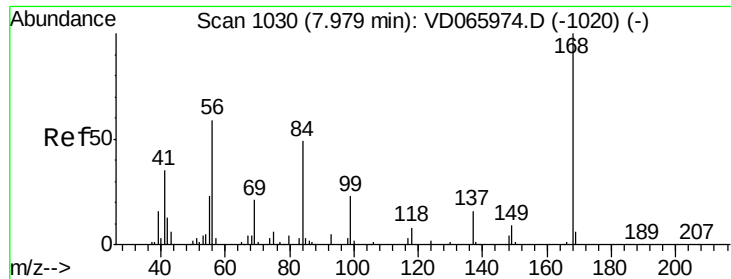
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\  
Data File : VD066058.D  
Acq On : 24 Jul 2020 20:14  
Operator : VA/SY  
Sample : L3436-03  
Misc : 7.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
3

Quant Time: Jul 24 23:55:54 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072120S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 21 12:34:13 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066058.D

Acq: 24 Jul 2020 20:14

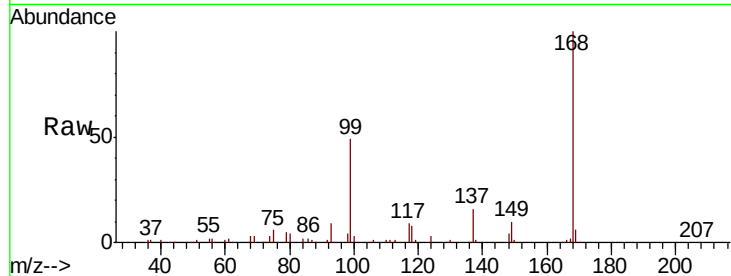
Instrument :  
MSVOA\_D  
ClientSampleId :  
3

Tot Ion:168 Resp: 294825

Ion Ratio Lower Upper

168 100

99 48.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

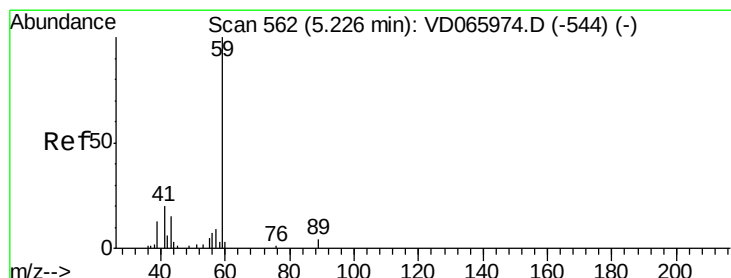
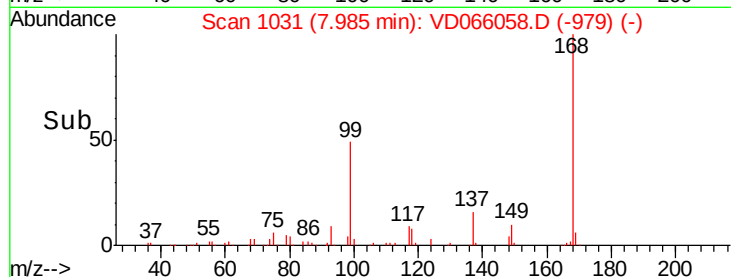
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.26 min Scan# 567

Delta R.T. 0.03 min

Lab File: VD066058.D

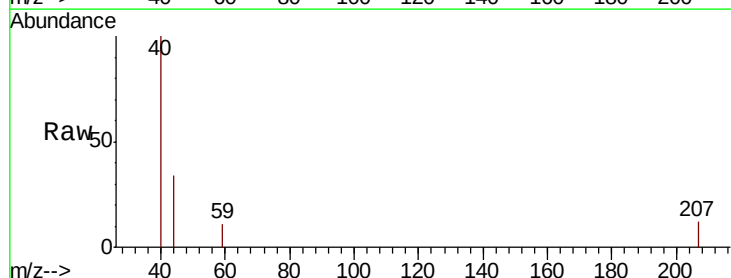
Acq: 24 Jul 2020 20:14

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.26

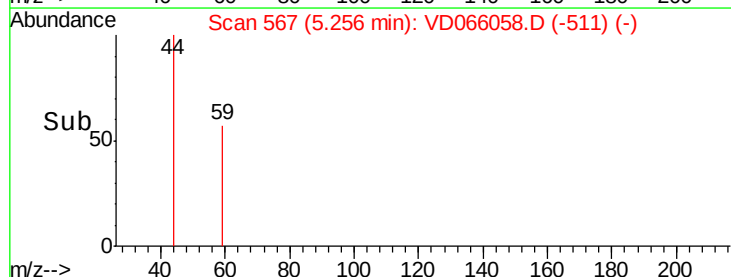
150

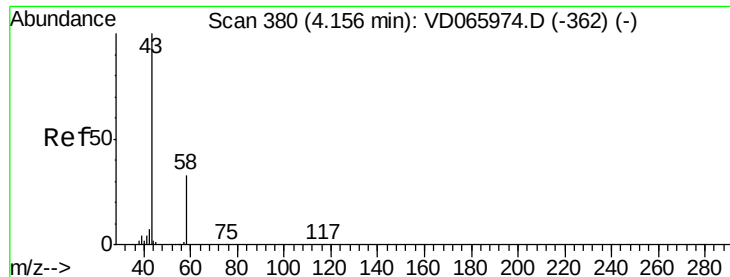
100

50

0

Time-->





#16

Acetone

Concen: 1.155 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD066058.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA\_D

ClientSampleId :

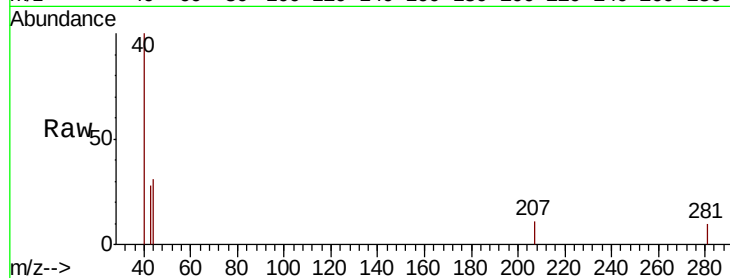
3

Tot Ion: 43 Resp: 561

Ion Ratio Lower Upper

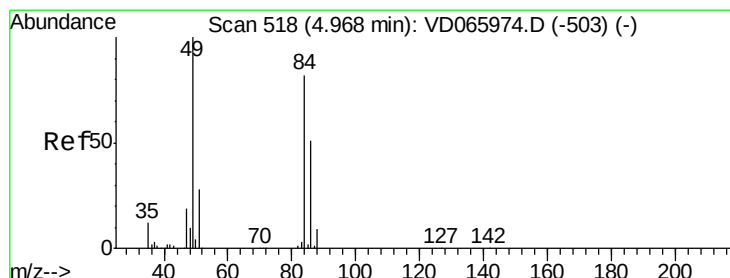
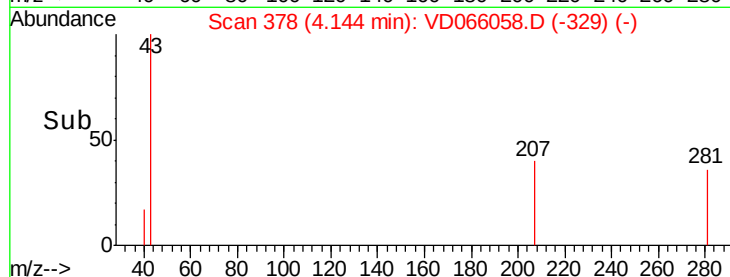
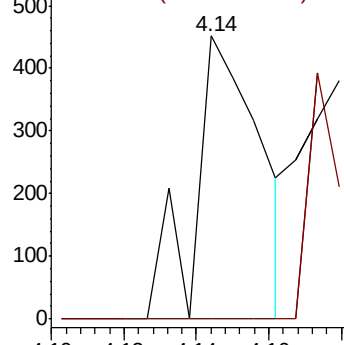
43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 11.044 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066058.D

Acq: 24 Jul 2020 20:14

Tgt Ion: 84 Resp: 35855

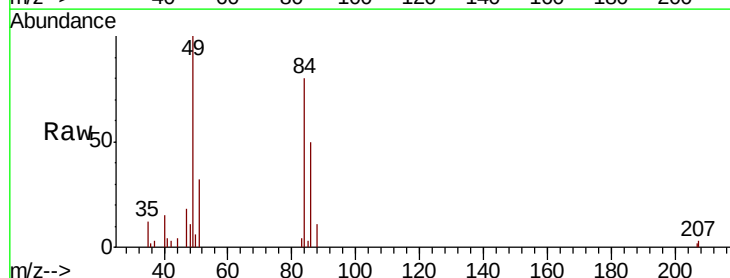
Ion Ratio Lower Upper

84 100

49 123.8 97.7 146.5

51 40.1 27.4 41.2

86 63.1 49.4 74.2

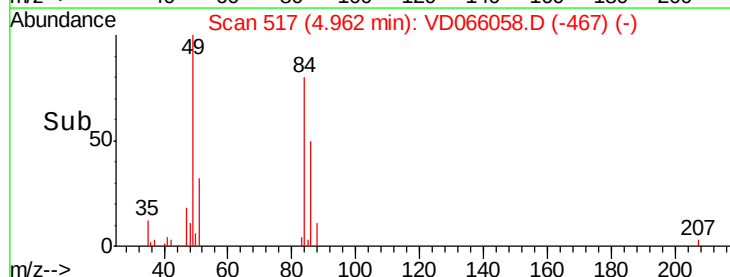
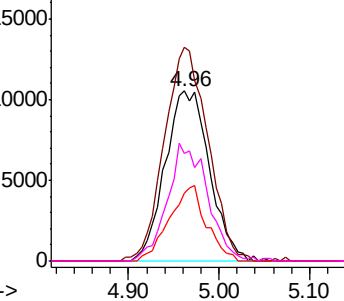


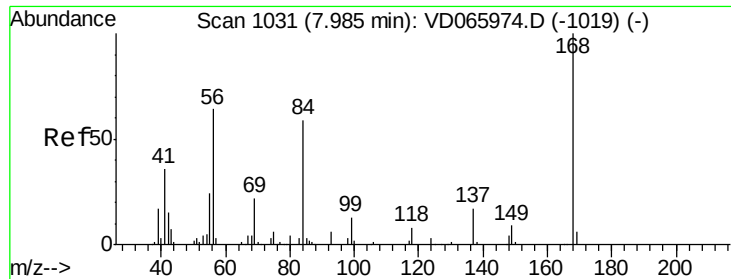
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

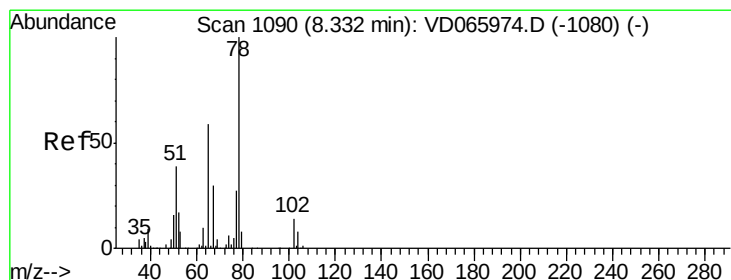
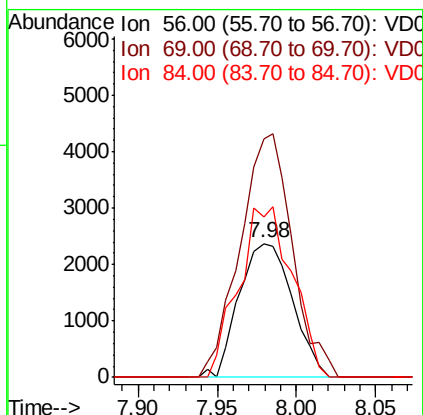
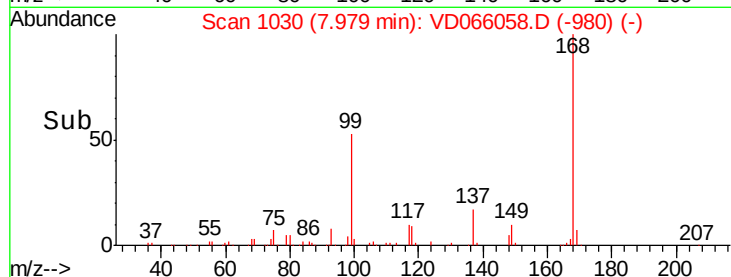
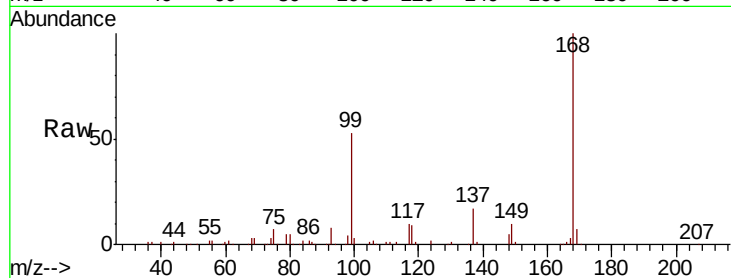




#31  
Cyclohexane  
Concen: 1.287 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

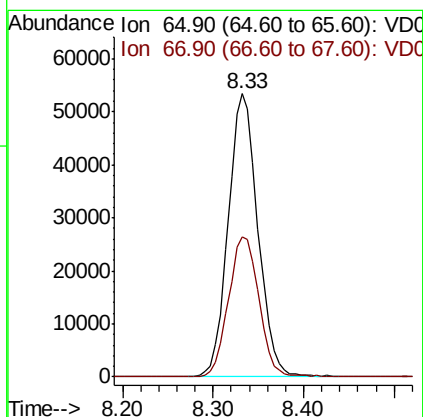
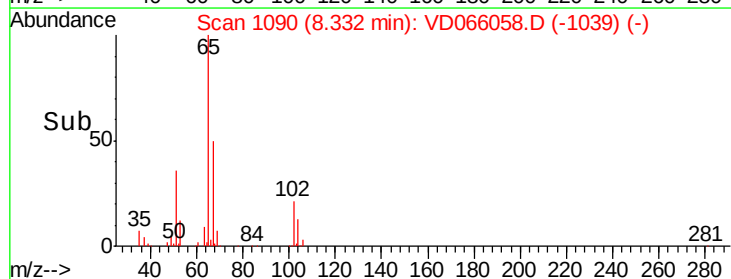
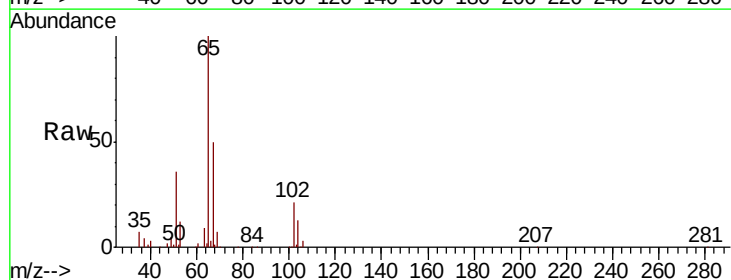
Instrument :  
MSVOA\_D  
ClientSampleId :  
3

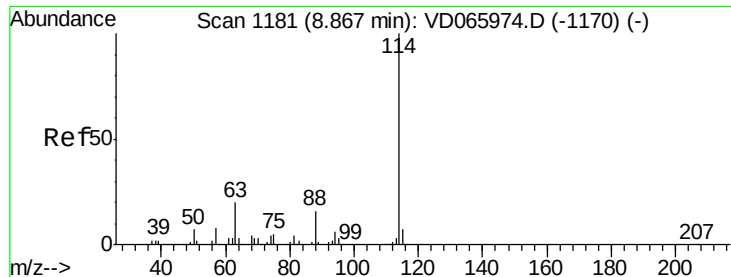
Tot Ion: 56 Resp: 5554  
Ion Ratio Lower Upper  
56 100  
69 178.4 28.0 42.0#  
84 120.0 72.6 109.0#



#33  
1,2-Dichloroethane-d4  
Concen: 50.543 ug/l  
RT: 8.33 min Scan# 1090  
Delta R.T. 0.00 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

Tgt Ion: 65 Resp: 121250  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD066058.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA\_D

ClientSampled :

3

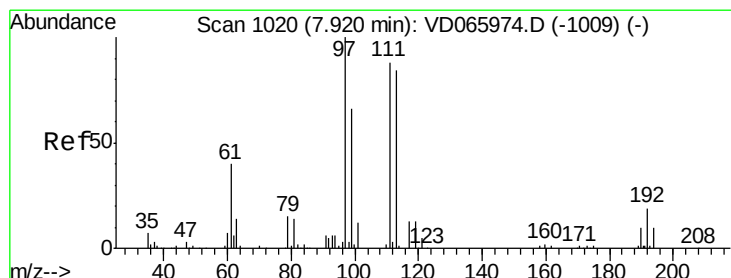
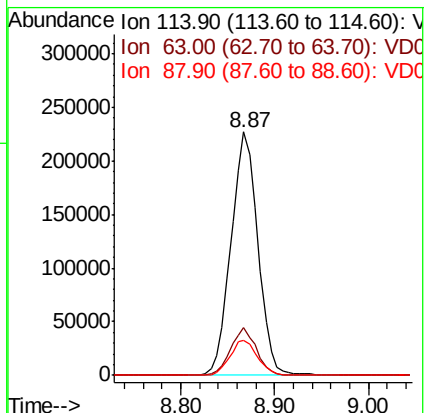
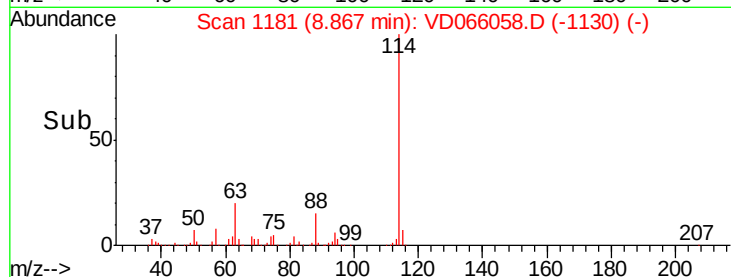
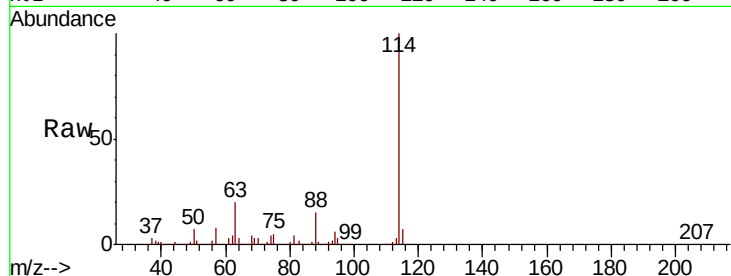
Tot Ion:114 Resp: 450468

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 14.6 0.0 31.2



#35

Dibromofluoromethane

Concen: 51.358 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD066058.D

Acq: 24 Jul 2020 20:14

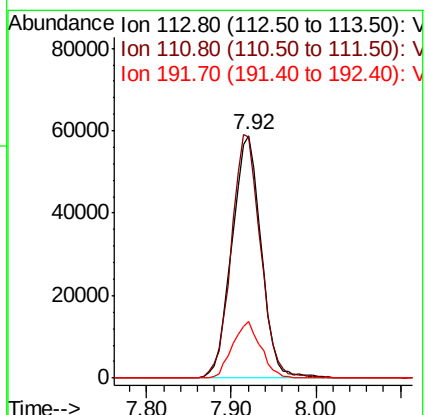
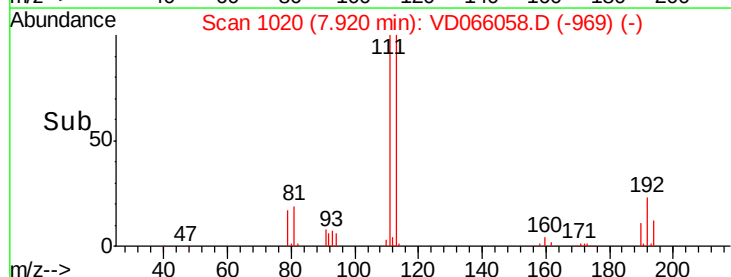
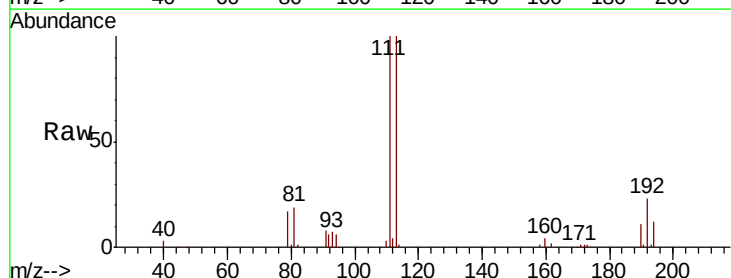
Tgt Ion:113 Resp: 140322

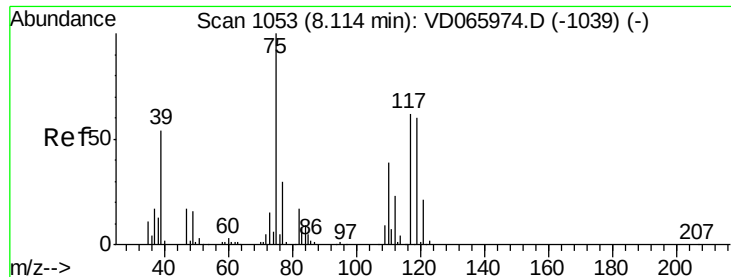
Ion Ratio Lower Upper

113 100

111 100.1 83.2 124.8

192 22.5 18.7 28.1

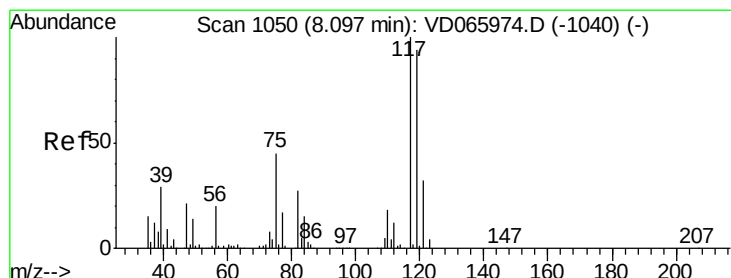
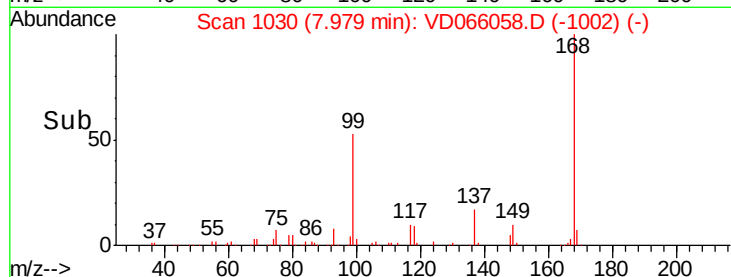
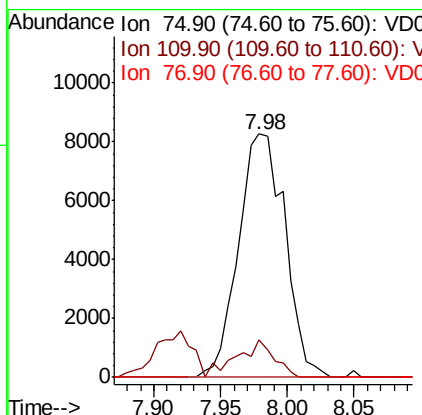
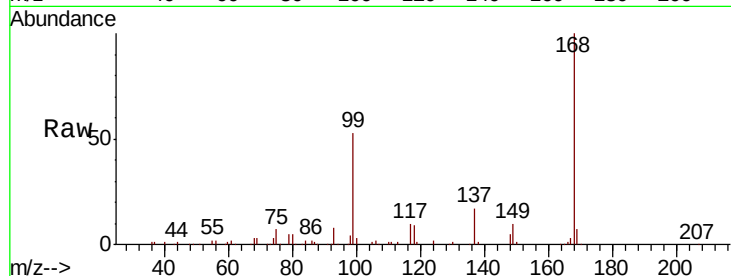




#36  
 1,1-Dichloropropene  
 Concen: 5.194 ug/l  
 RT: 7.98 min Scan# 1030  
 Delta R.T. -0.14 min  
 Lab File: VD066058.D  
 Acq: 24 Jul 2020 20:14

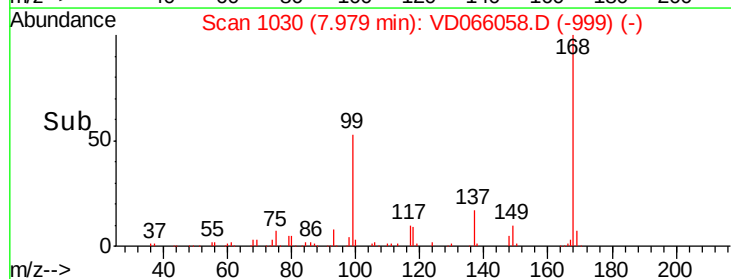
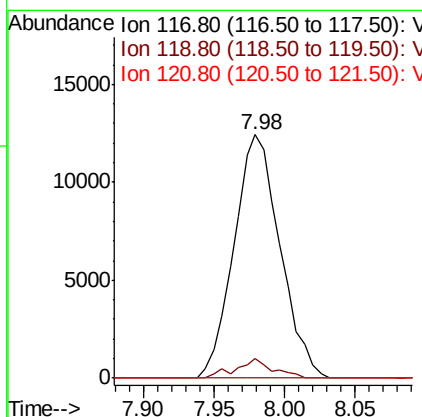
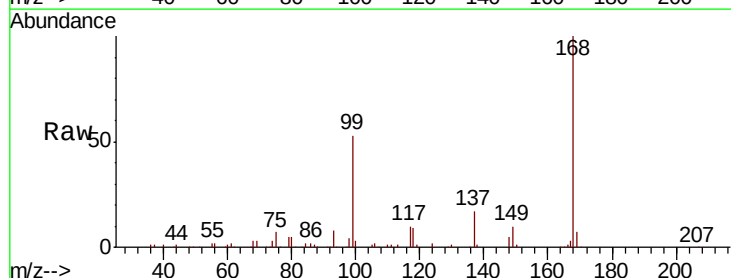
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 3

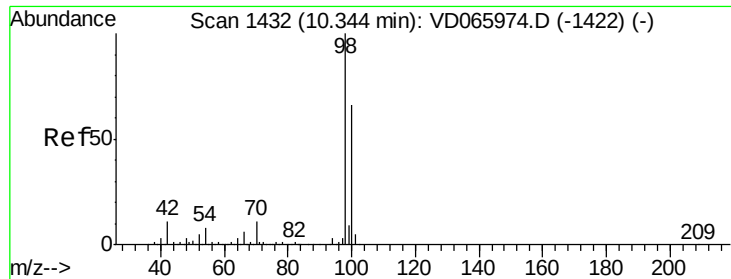
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 10.9  | 19.5  | 58.5# |
| 77      | 0.0   | 24.7  | 37.1# |



#38  
 Carbon Tetrachloride  
 Concen: 6.772 ug/l  
 RT: 7.98 min Scan# 1030  
 Delta R.T. -0.12 min  
 Lab File: VD066058.D  
 Acq: 24 Jul 2020 20:14

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 8.0   | 75.0  | 112.6# |
| 121     | 0.0   | 25.5  | 38.3#  |

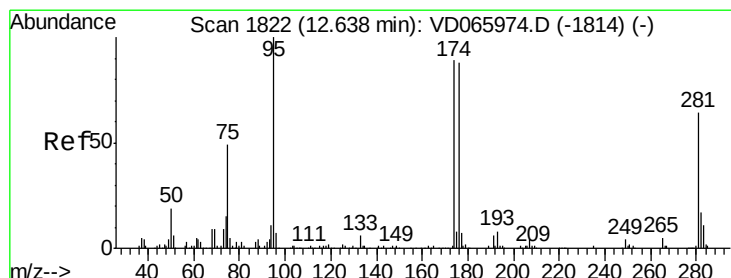
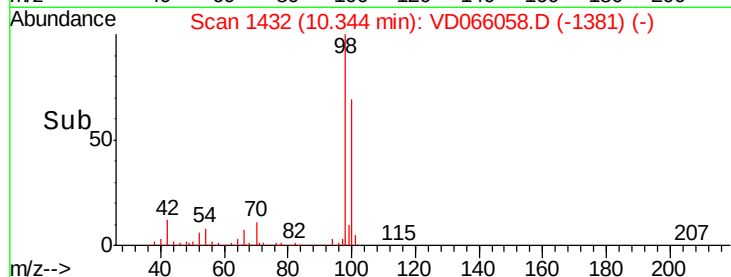
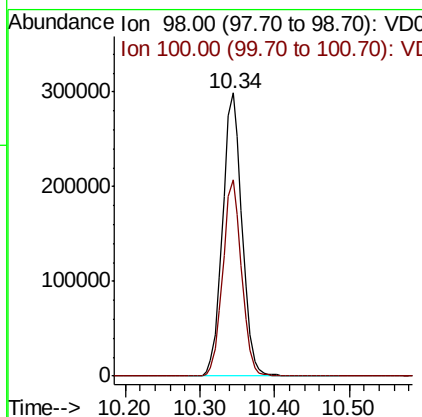
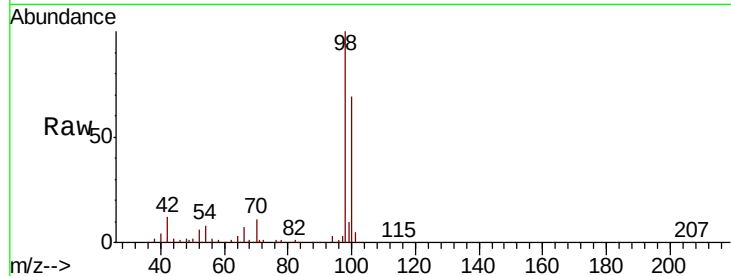




#50  
Toluene-d8  
Concen: 53.386 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

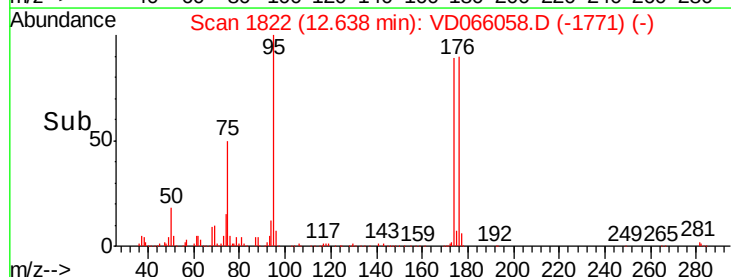
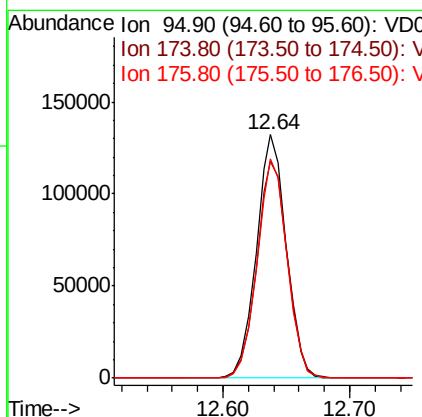
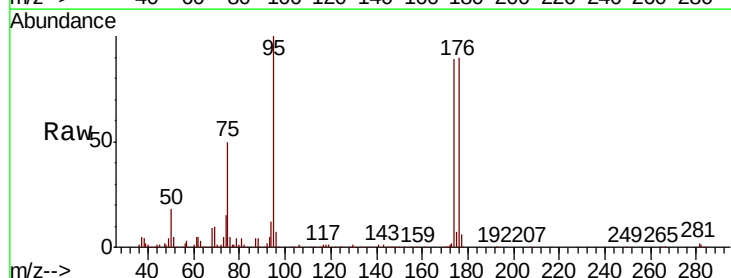
Instrument :  
MSVOA\_D  
ClientSampleId :  
3

Tot Ion: 98 Resp: 543379  
Ion Ratio Lower Upper  
98 100  
100 66.9 52.7 79.1

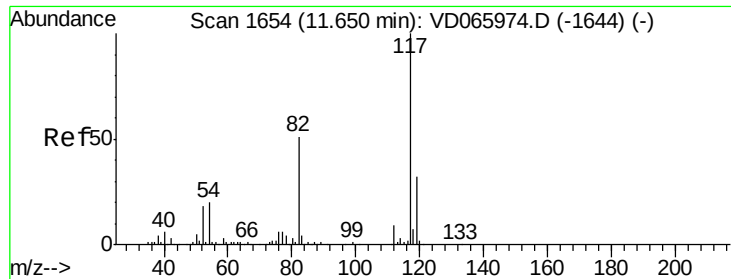


#62  
4-Bromofluorobenzene  
Concen: 61.172 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

Tgt Ion: 95 Resp: 215887  
Ion Ratio Lower Upper  
95 100  
174 92.1 0.0 178.8  
176 90.0 0.0 172.6



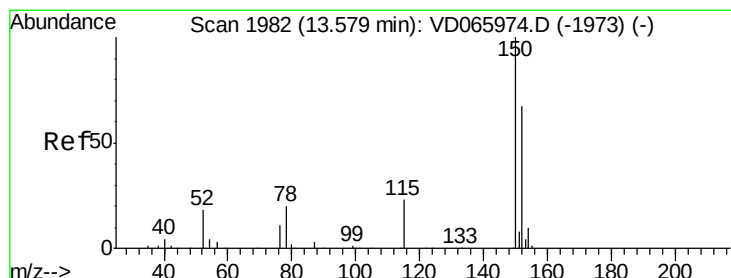
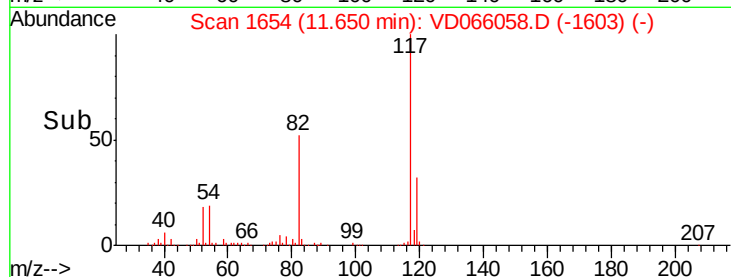
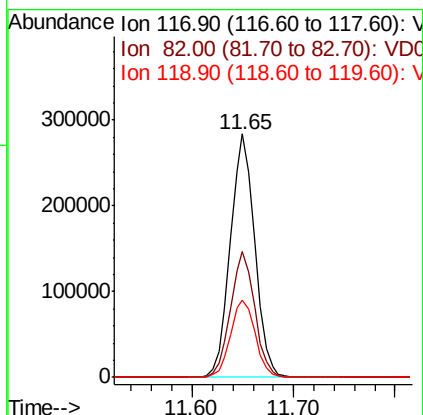
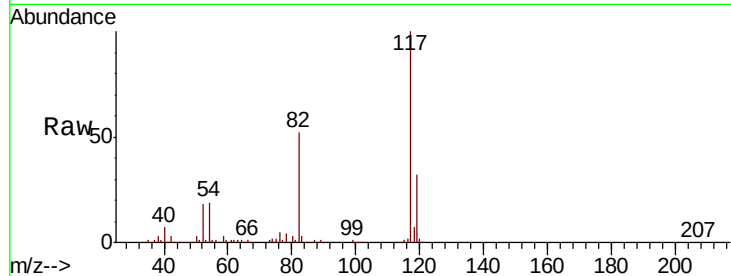




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

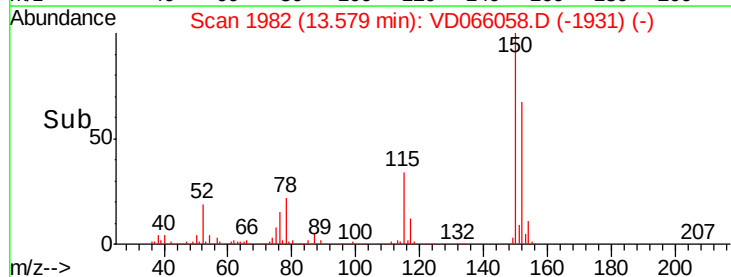
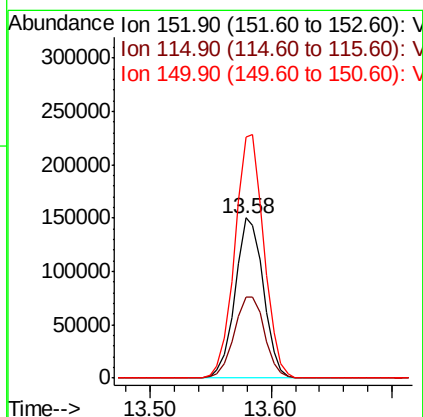
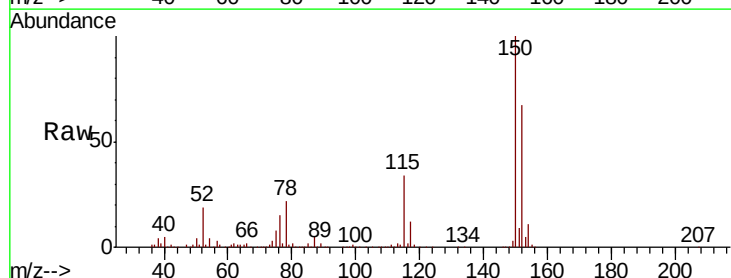
Instrument :  
MSVOA\_D  
ClientSampled :  
3

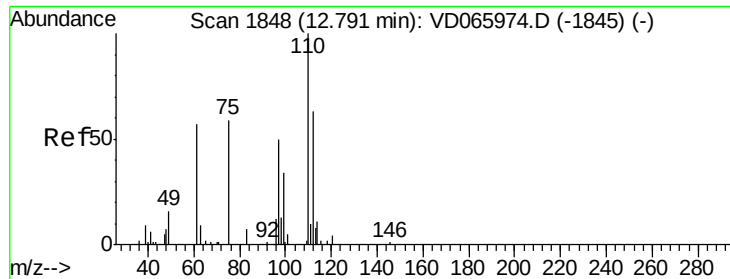
Tot Ion:117 Resp: 474405  
Ion Ratio Lower Upper  
117 100  
82 51.6 41.1 61.7  
119 31.6 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

Tgt Ion:152 Resp: 246078  
Ion Ratio Lower Upper  
152 100  
115 54.6 27.9 83.7  
150 155.4 0.0 348.2

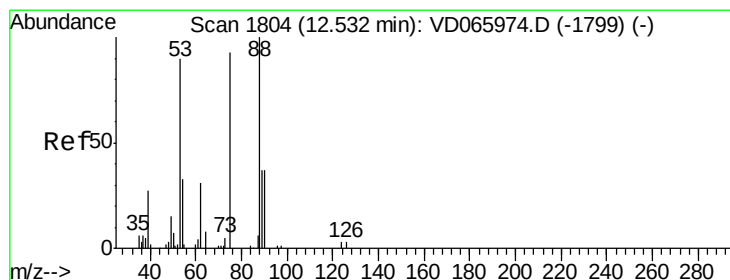
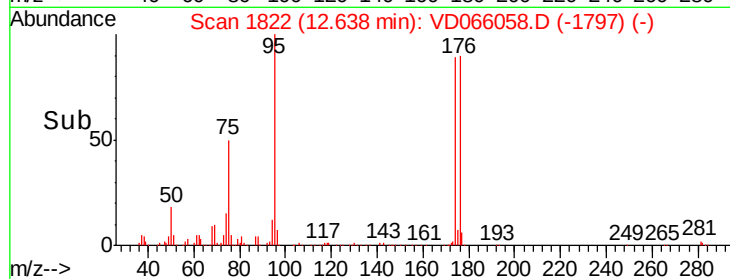
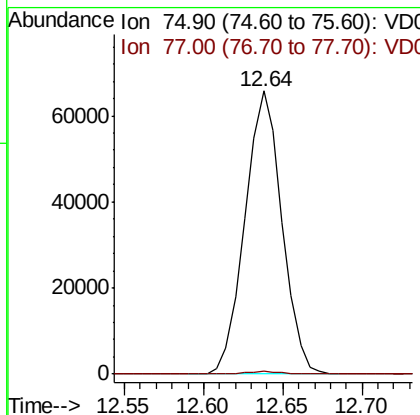
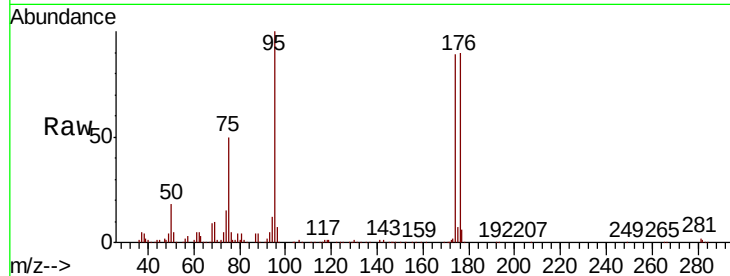




#76  
 1,2,3-Trichloropropane  
 Concen: 57.358 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.15 min  
 Lab File: VD066058.D  
 Acq: 24 Jul 2020 20:14

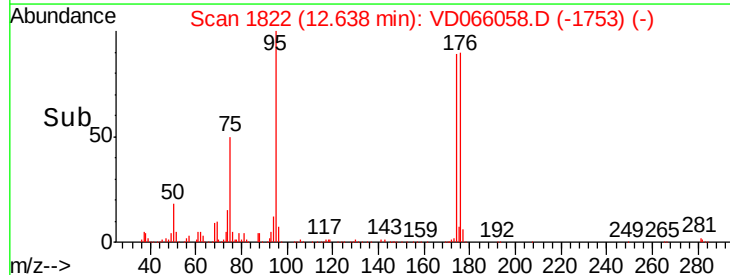
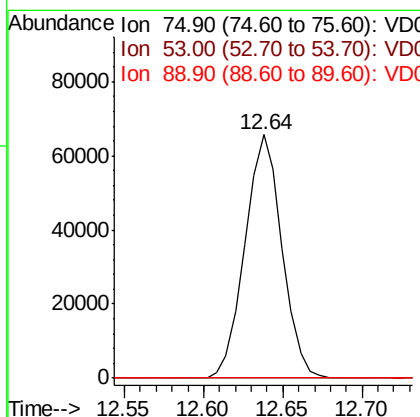
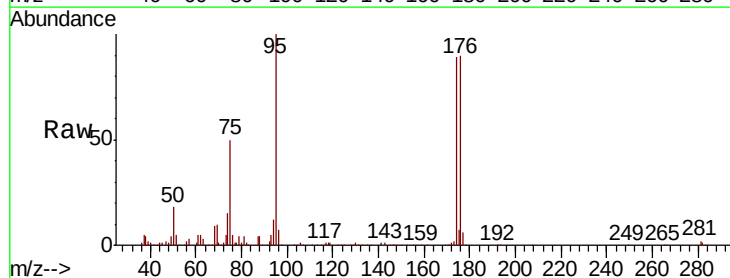
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 3

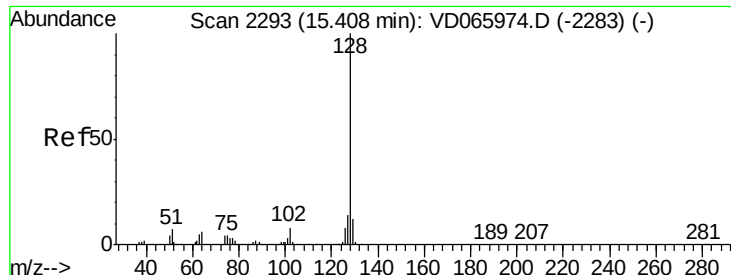
Tot Ion: 75 Resp: 106276  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 131.618 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.11 min  
 Lab File: VD066058.D  
 Acq: 24 Jul 2020 20:14

Tgt Ion: 75 Resp: 106276  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 76.8 115.2#  
 89 0.1 37.0 55.4#





#95  
Naphthalene  
Concen: 3.615 ug/l  
RT: 15.40 min Scan# 2292  
Delta R.T. -0.01 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

Instrument :  
MSVOA\_D  
ClientSampleId :  
3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 0.0   | 10.8  | 16.2# |
| 129     | 0.0   | 8.9   | 13.3# |

