

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\  
 Data File : VD066376.D  
 Acq On : 24 Aug 2020 12:56  
 Operator : VA/SY  
 Sample : L3734-03RE  
 Misc : 7.21G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EROC-BF-1BRE

Quant Time: Aug 25 03:36:19 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

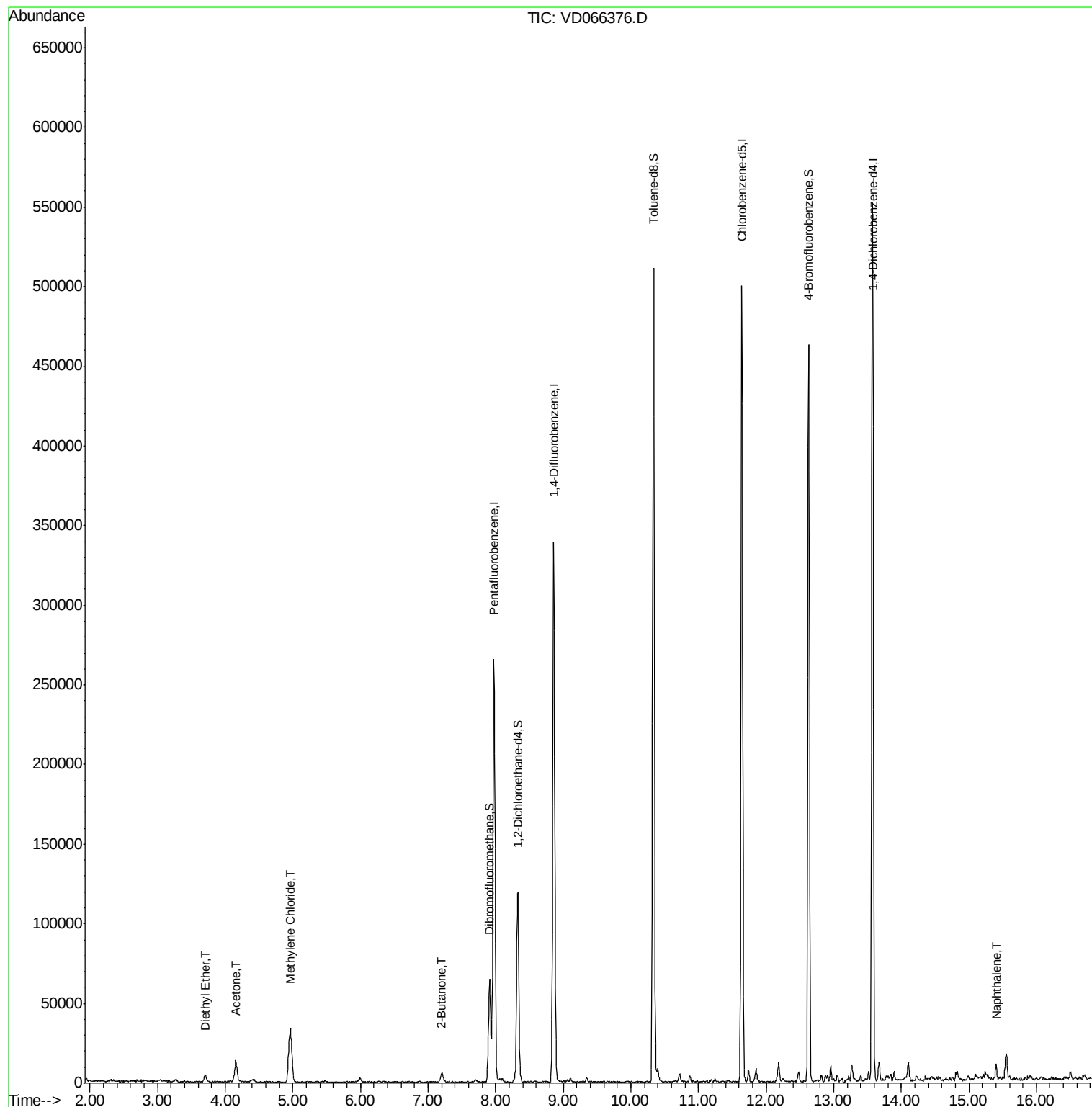
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.97  | 168  | 197597   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 292418   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 288663   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 150848   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 107786   | 55.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.28% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 42980    | 23.51  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 47.02%  |          |
| 50) Toluene-d8              | 10.34 | 98   | 350878   | 52.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.90% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 132572   | 55.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.68% |          |
| Target Compounds            |       |      |          |        |         |          |
| 8) Diethyl Ether            | 3.71  | 74   | 1819     | 2.335  | ug/l #  | 53       |
| 16) Acetone                 | 4.15  | 43   | 23014    | 65.895 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.96  | 84   | 28285    | 10.103 | ug/l #  | 88       |
| 25) 2-Butanone              | 7.21  | 43   | 4116     | 10.381 | ug/l #  | 83       |
| 95) Naphthalene             | 15.41 | 128  | 7749     | 1.533  | ug/l #  | 93       |

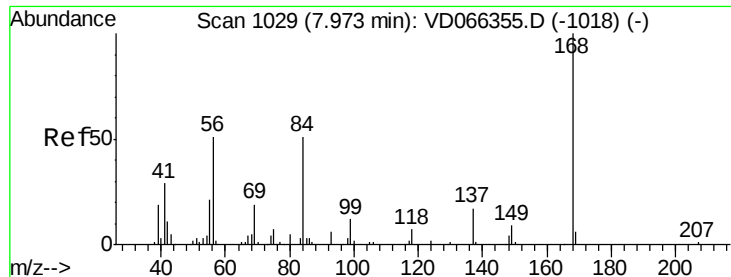
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082420\  
Data File : VD066376.D  
Acq On : 24 Aug 2020 12:56  
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Sample : L3734-03RE  
Misc : 7.21G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
EROC-BF-1BRE

Quant Time: Aug 25 03:36:19 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: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

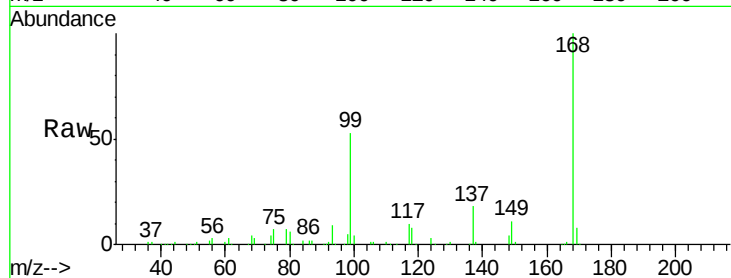
EROC-BF-1BRE

Tot Ion:168 Resp: 197597

Ion Ratio Lower Upper

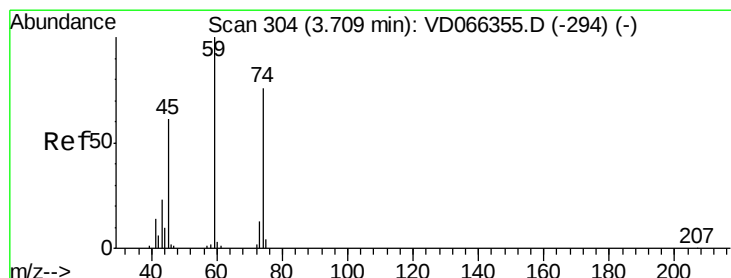
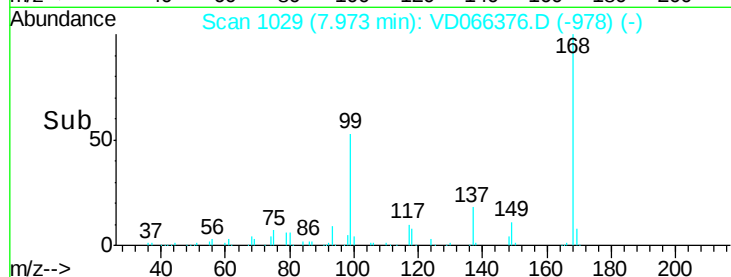
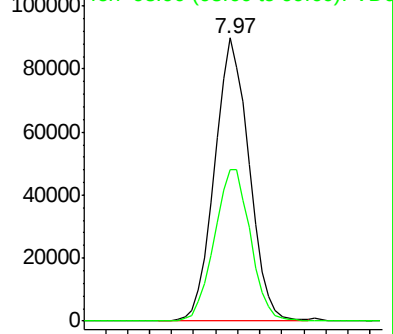
168 100

99 53.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 2.335 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066376.D

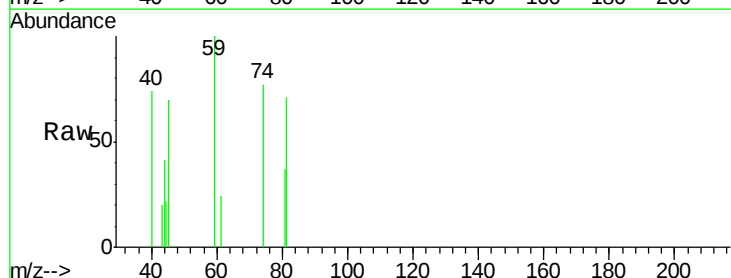
Acq: 24 Aug 2020 12:56

Tgt Ion: 74 Resp: 1819

Ion Ratio Lower Upper

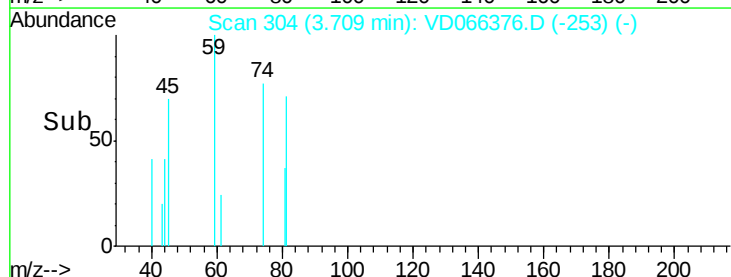
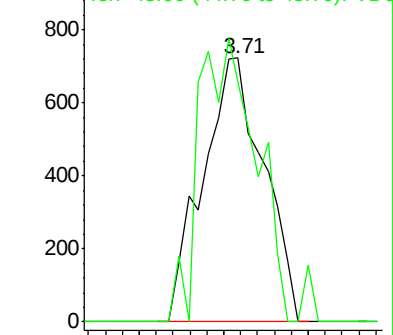
74 100

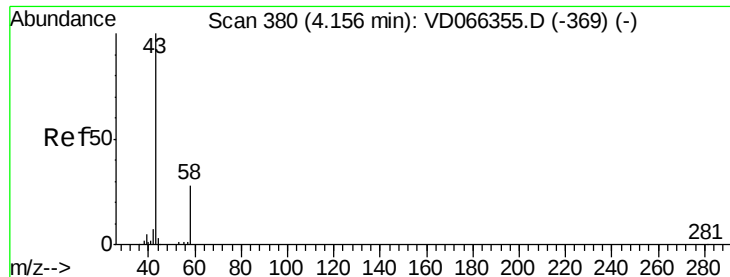
45 42.3 42.8 128.3#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#16

Acetone

Concen: 65.895 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

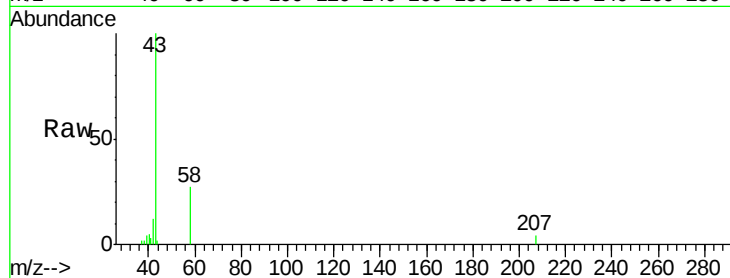
EROC-BF-1BRE

Tot Ion: 43 Resp: 23014

Ion Ratio Lower Upper

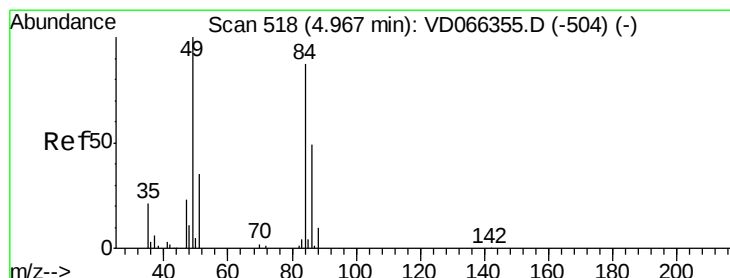
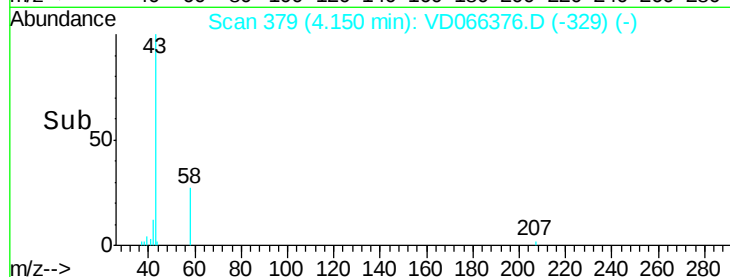
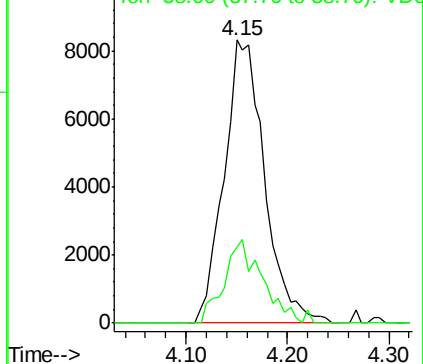
43 100

58 26.9 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 10.103 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Tgt Ion: 84 Resp: 28285

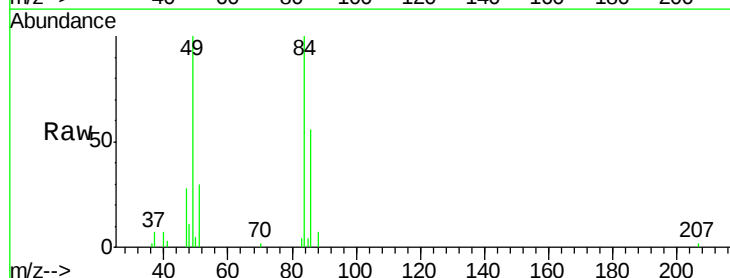
Ion Ratio Lower Upper

84 100

49 99.5 92.5 138.7

51 29.5 32.5 48.7#

86 55.8 45.0 67.6

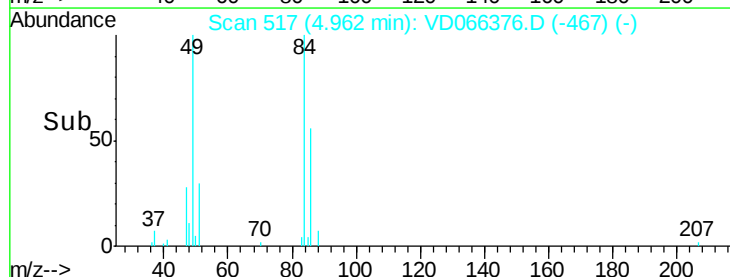
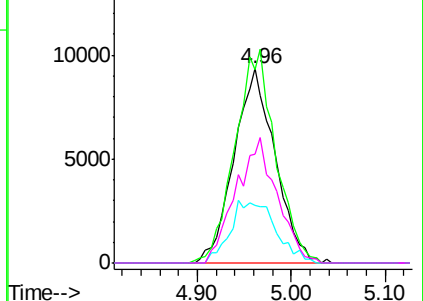


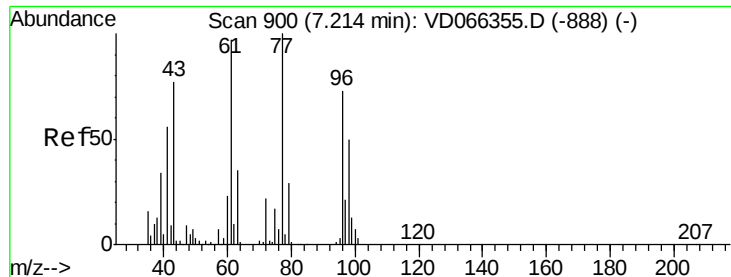
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 10.381 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

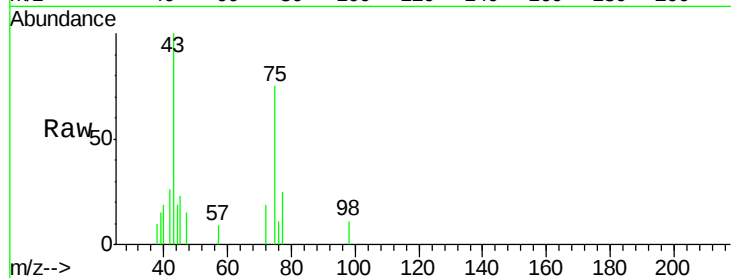
EROC-BF-1BRE

Tot Ion: 43 Resp: 4116

Ion Ratio Lower Upper

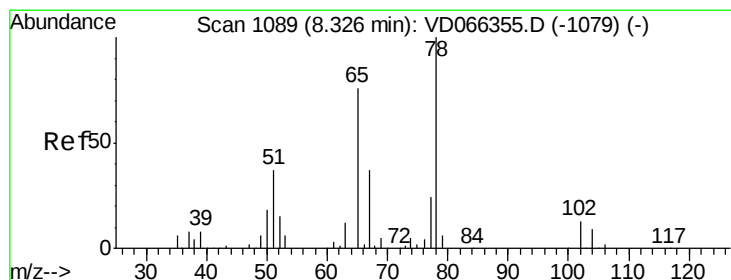
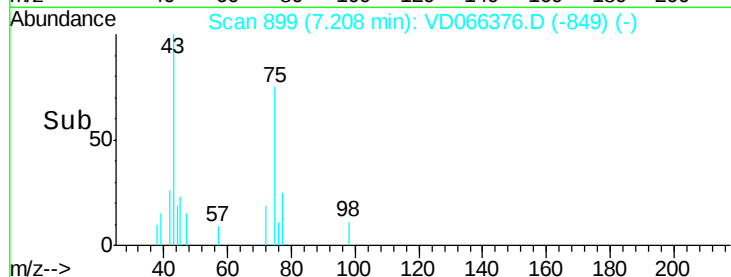
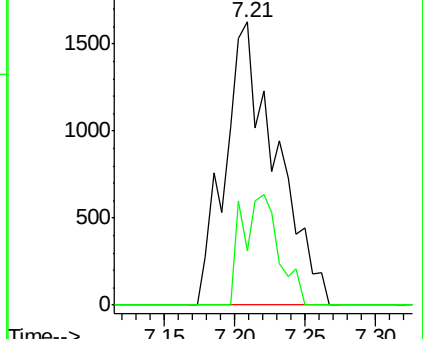
43 100

72 19.2 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 55.639 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VD066376.D

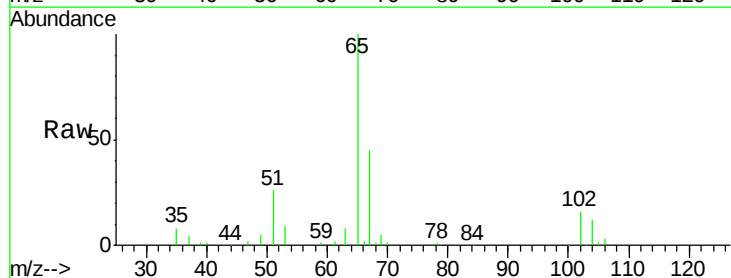
Acq: 24 Aug 2020 12:56

Tgt Ion: 65 Resp: 107786

Ion Ratio Lower Upper

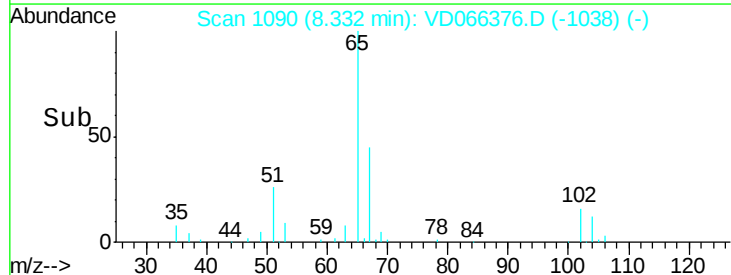
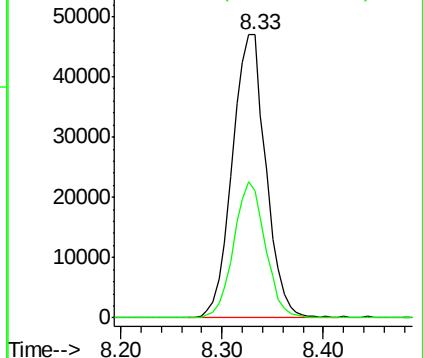
65 100

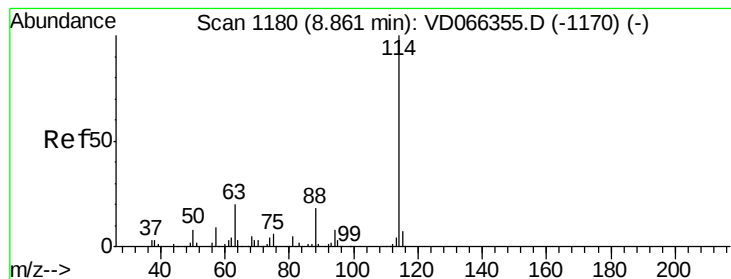
67 45.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

EROC-BF-1BRE

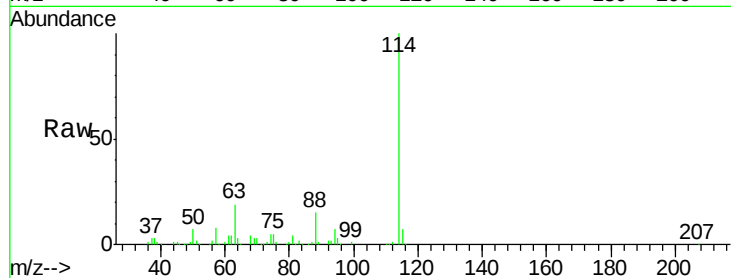
Tot Ion:114 Resp: 292418

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

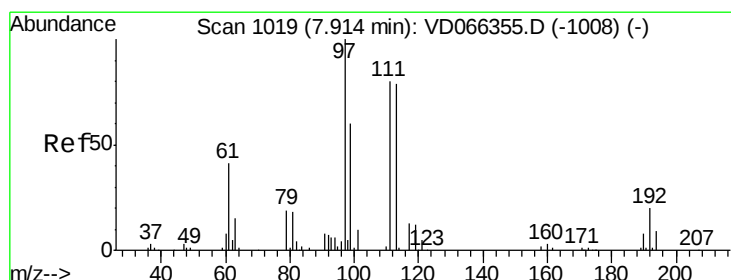
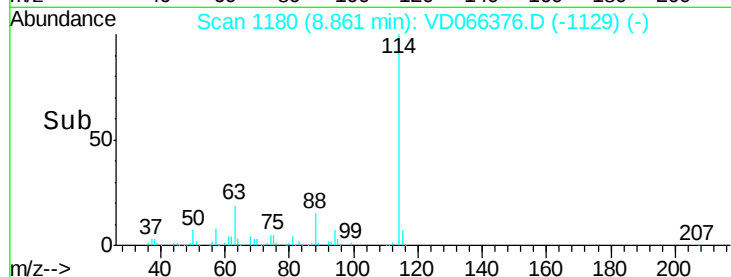
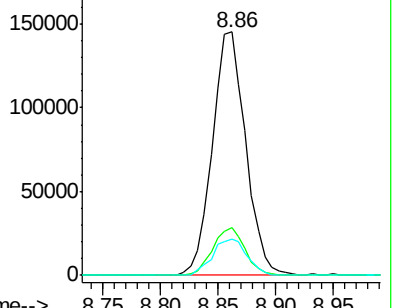
88 14.9 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 23.505 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

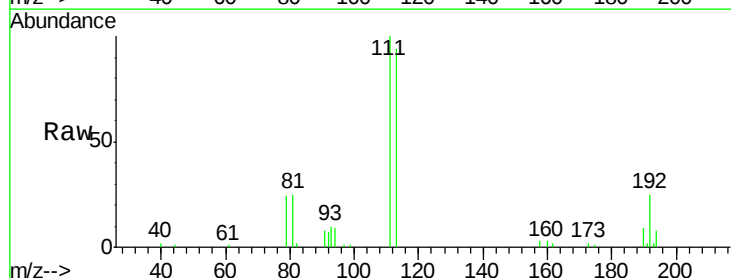
Tgt Ion:113 Resp: 42980

Ion Ratio Lower Upper

113 100

111 101.9 80.3 120.5

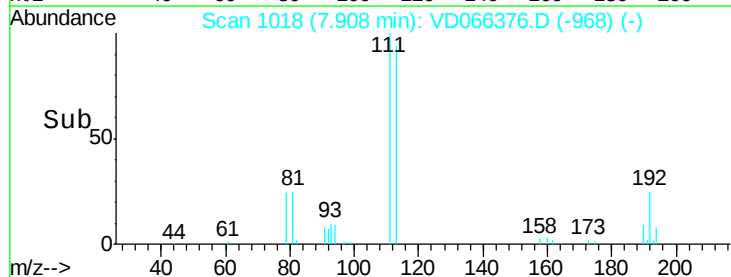
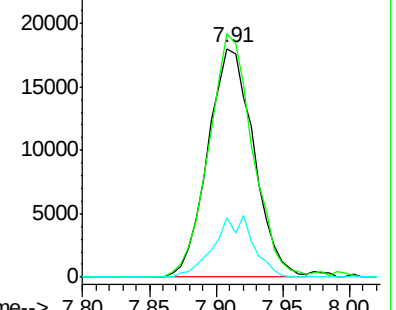
192 23.2 19.0 28.6

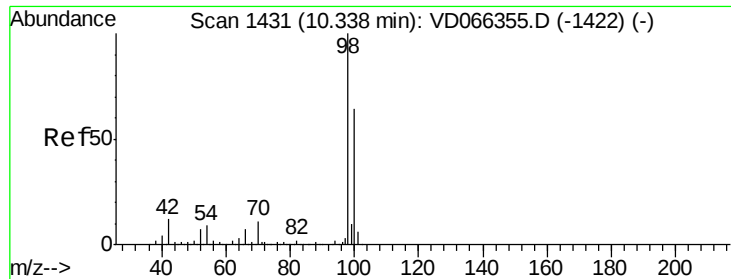


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.446 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

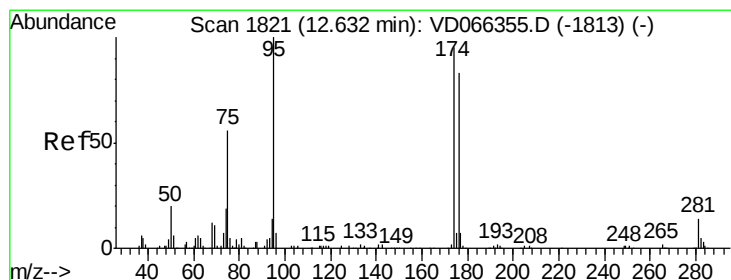
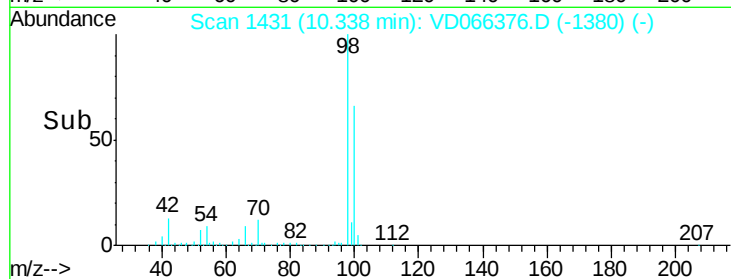
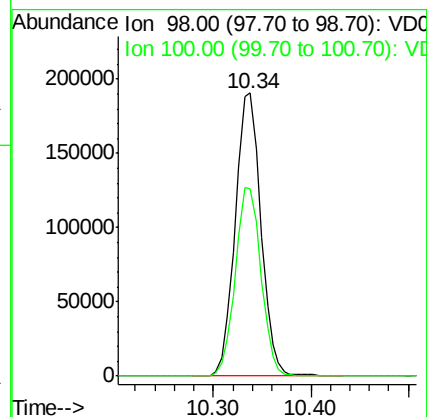
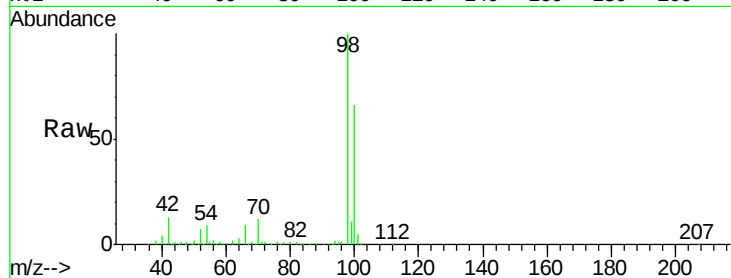
EROC-BF-1BRE

Tot Ion: 98 Resp: 350878

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 55.843 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

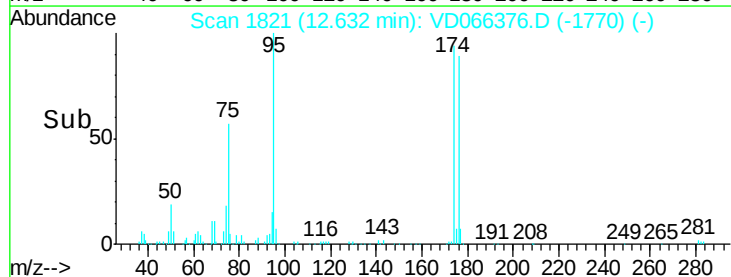
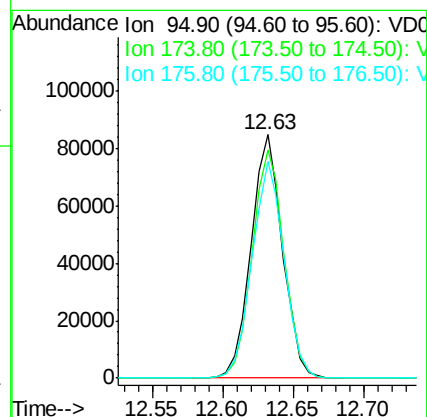
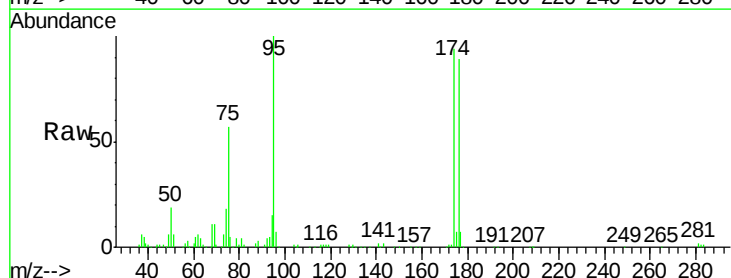
Tgt Ion: 95 Resp: 132572

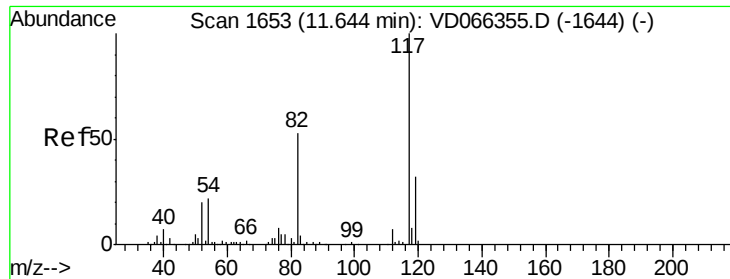
Ion Ratio Lower Upper

95 100

174 95.3 0.0 183.4

176 90.5 0.0 173.8

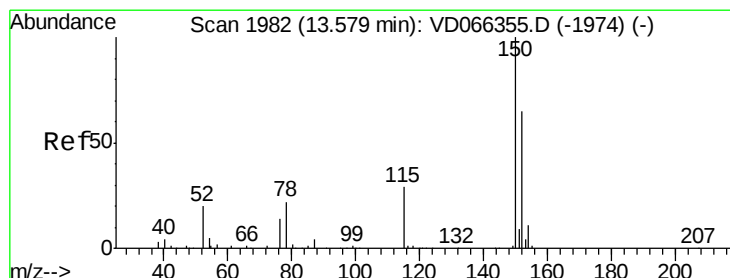
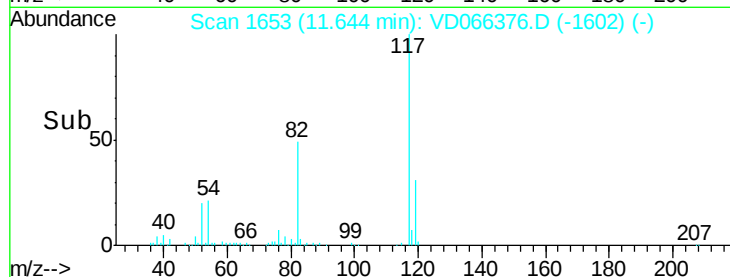
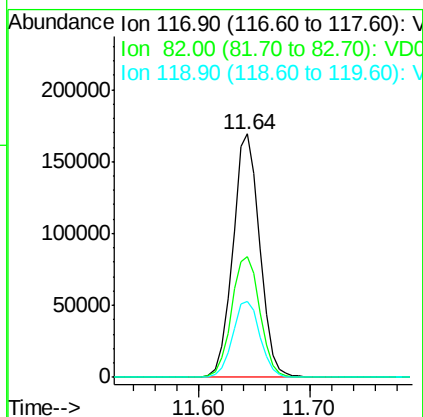
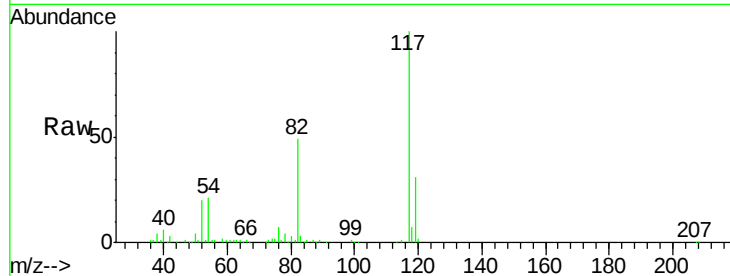




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066376.D  
Acq: 24 Aug 2020 12:56

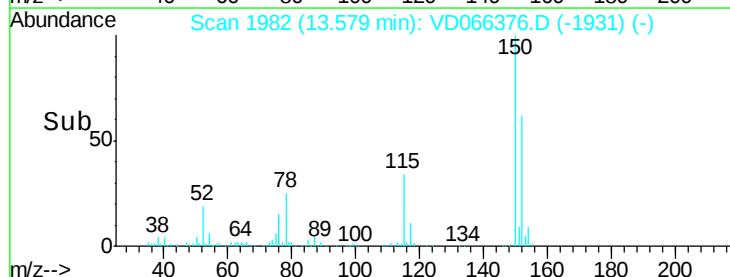
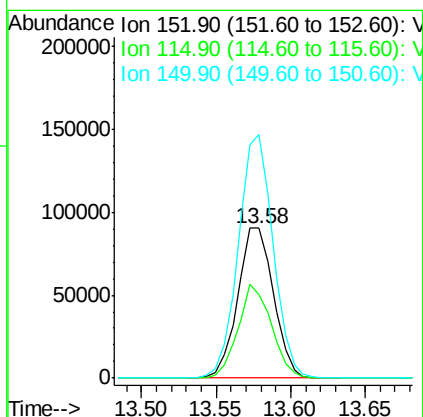
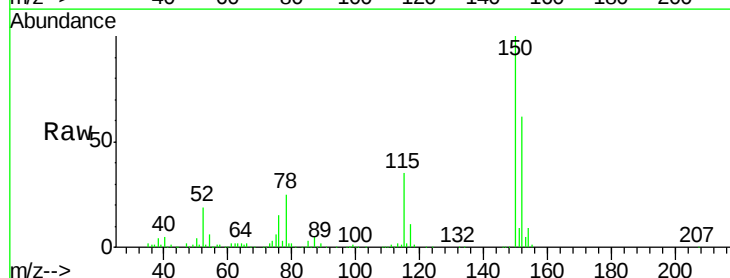
Instrument :  
MSVOA\_D  
ClientSampleId :  
EROC-BF-1BRE

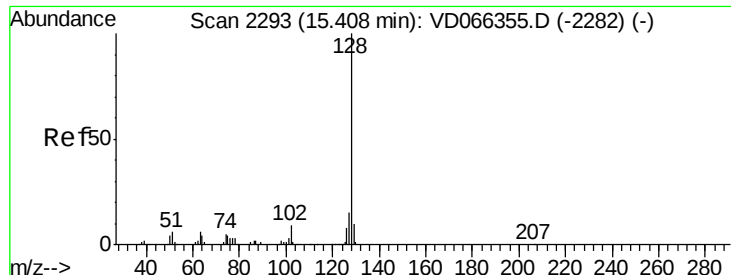
Tot Ion:117 Resp: 288663  
Ion Ratio Lower Upper  
117 100  
82 49.4 42.8 64.2  
119 31.1 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066376.D  
Acq: 24 Aug 2020 12:56

Tgt Ion:152 Resp: 150848  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.3 85.0  
150 157.1 0.0 343.2





#95

Naphthalene

Concen: 1.533 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

EROC-BF-1BRE

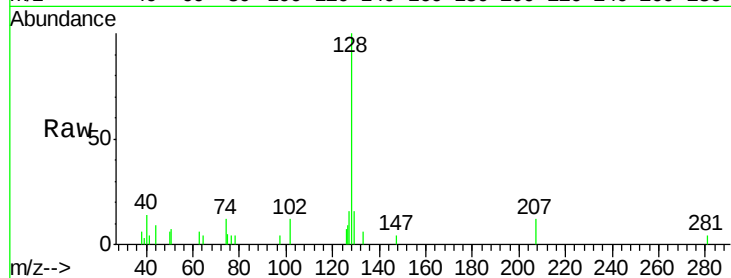
Tot Ion:128 Resp: 7749

Ion Ratio Lower Upper

128 100

127 18.4 10.7 16.1#

129 10.5 8.6 12.8



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

