

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\  
 Data File : VD066469.D  
 Acq On : 28 Aug 2020 19:31  
 Operator : VA/SY  
 Sample : L3828-03  
 Misc : 6.89G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BS-2

Quant Time: Aug 29 02:05:40 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

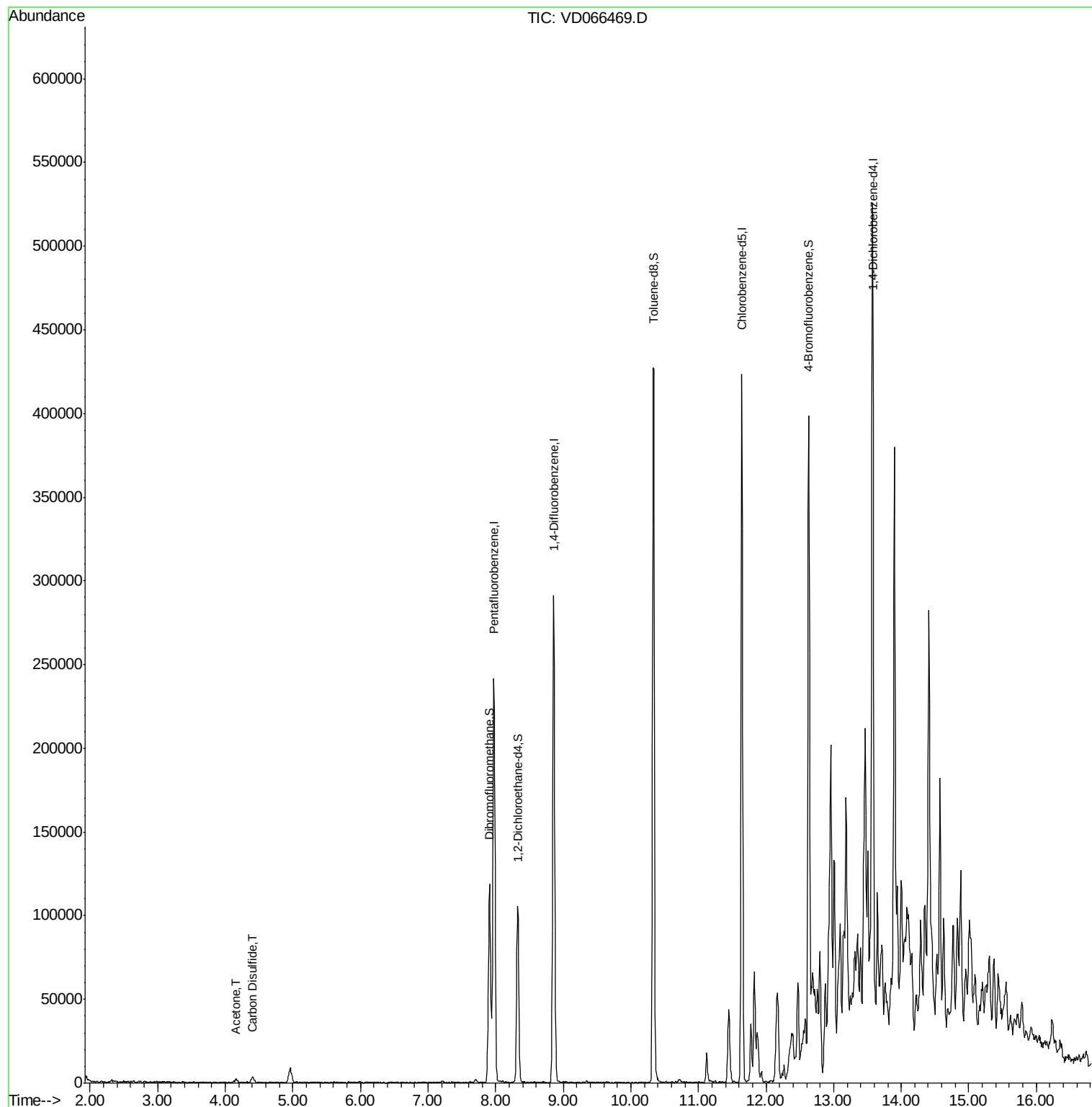
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.97  | 168  | 180192   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 251204   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 229896   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 117967   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 98401    | 55.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.40% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 78743    | 50.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.26% |          |
| 50) Toluene-d8              | 10.33 | 98   | 288528   | 50.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.40% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 105334   | 51.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.30% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.16  | 43   | 4367     | 13.712 | ug/l    | 99       |
| 17) Carbon Disulfide        | 4.41  | 76   | 6668     | 1.498  | ug/l #  | 85       |

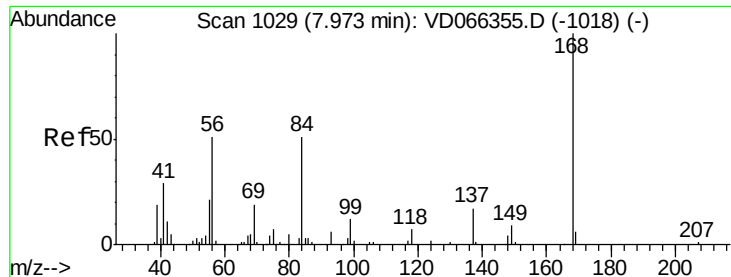
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082820\  
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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

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Instrument :

MSVOA\_D

ClientSampleId :

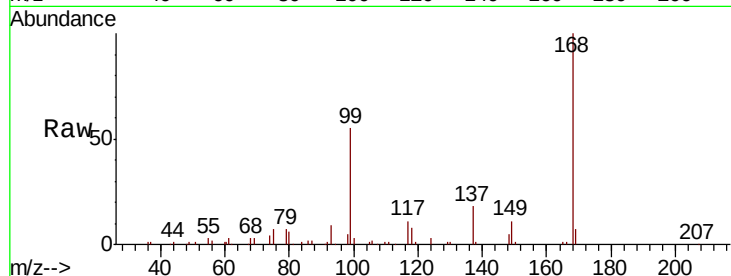
BS-2

Tot Ion:168 Resp: 180192

Ion Ratio Lower Upper

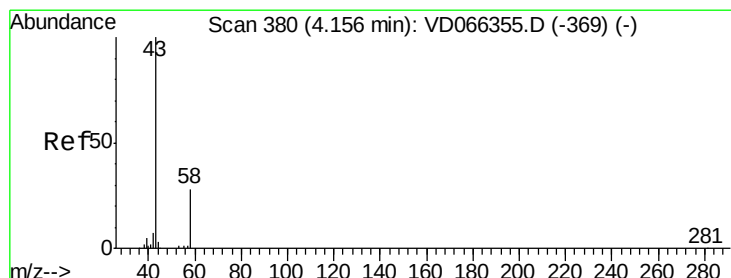
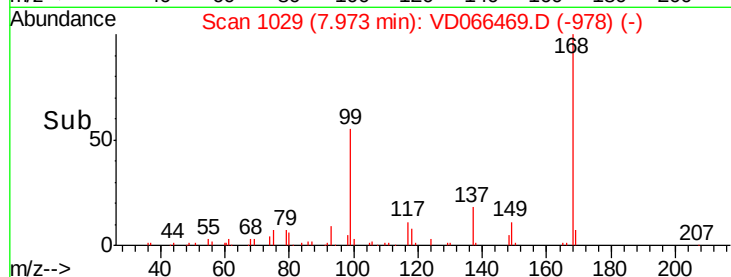
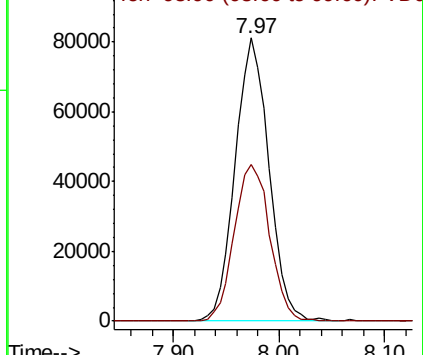
168 100

99 55.3 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: 13.712 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066469.D

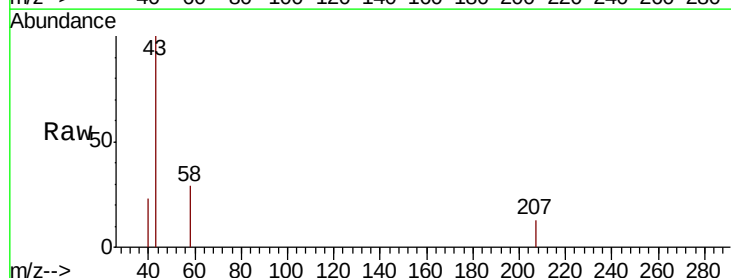
Acq: 28 Aug 2020 19:31

Tgt Ion: 43 Resp: 4367

Ion Ratio Lower Upper

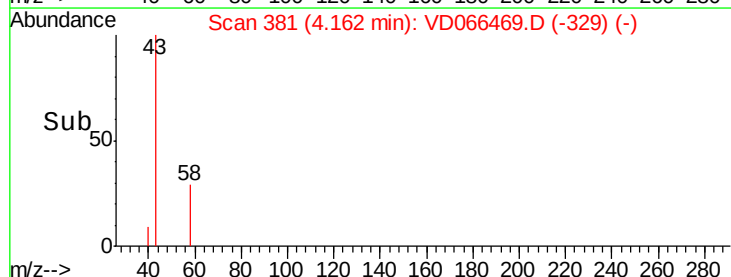
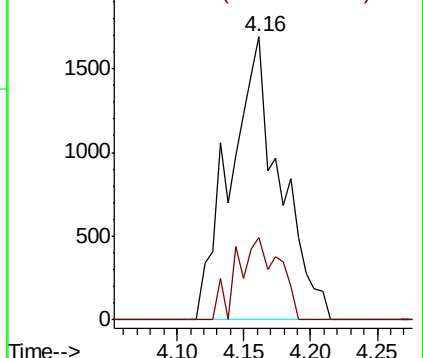
43 100

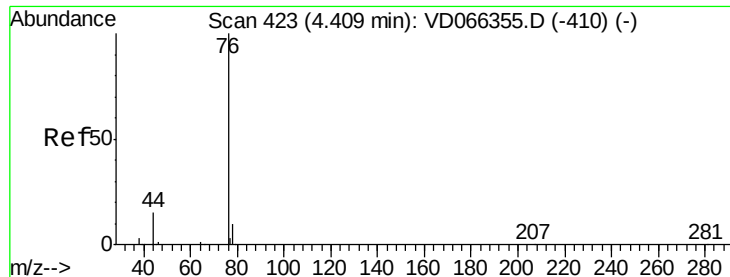
58 29.0 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 1.498 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066469.D

Acq: 28 Aug 2020 19:31

Instrument :

MSVOA\_D

ClientSampleId :

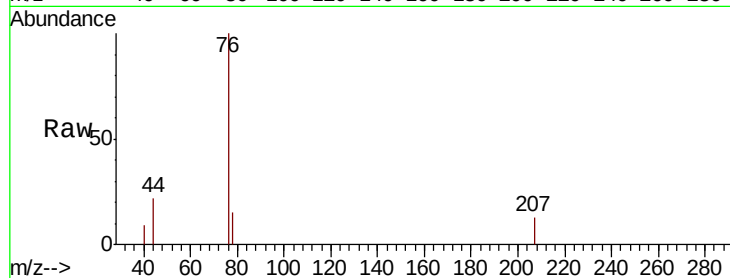
BS-2

Tot Ion: 76 Resp: 6668

Ion Ratio Lower Upper

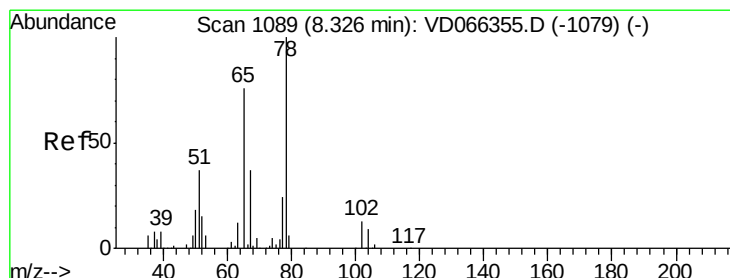
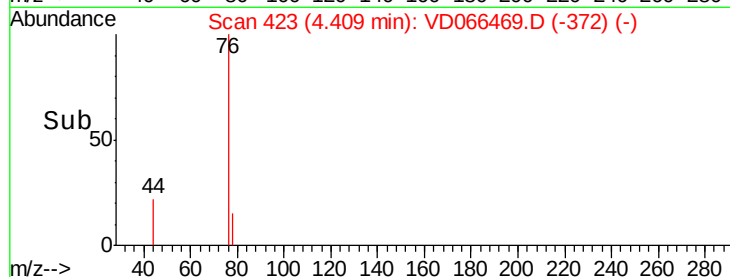
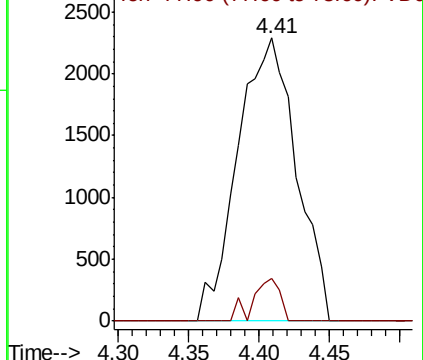
76 100

78 15.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 55.701 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066469.D

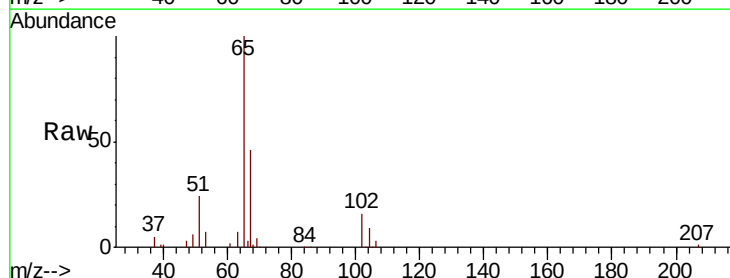
Acq: 28 Aug 2020 19:31

Tgt Ion: 65 Resp: 98401

Ion Ratio Lower Upper

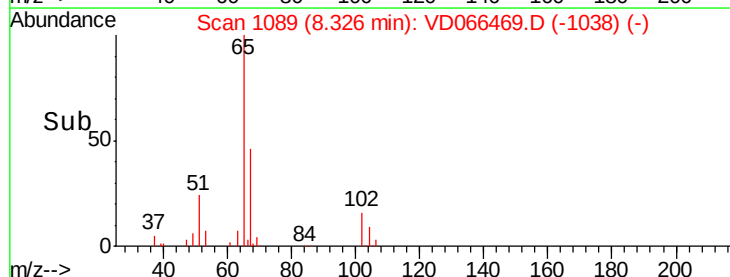
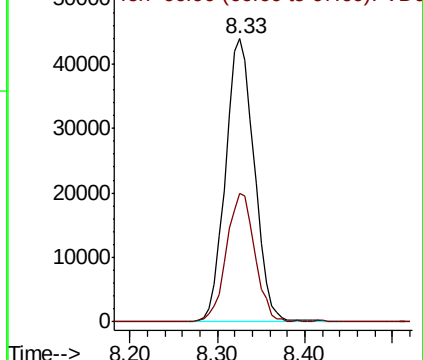
65 100

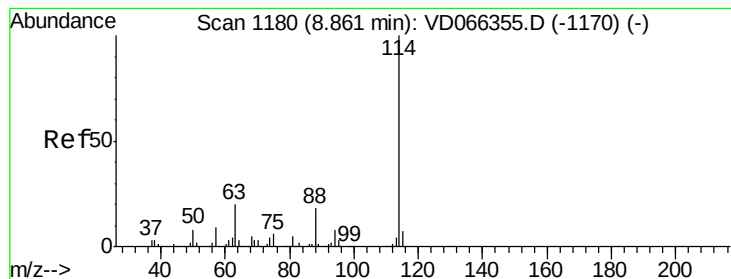
67 44.8 0.0 101.6



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: VD066469.D

Acq: 28 Aug 2020 19:31

Instrument :

MSVOA\_D

ClientSampleId :

BS-2

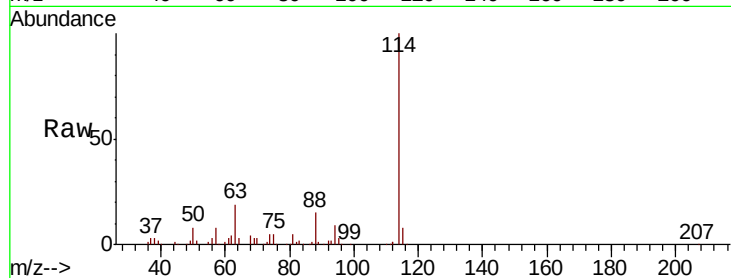
Tot Ion:114 Resp: 251204

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

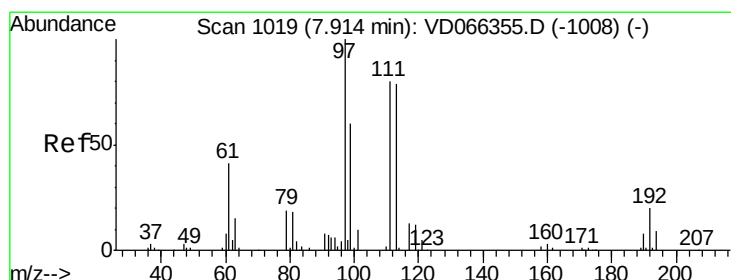
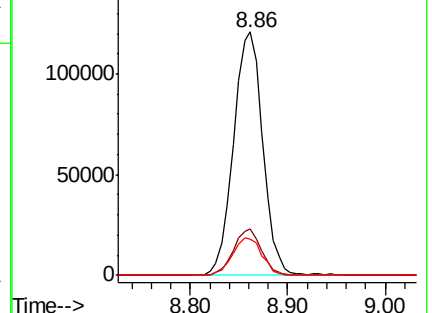
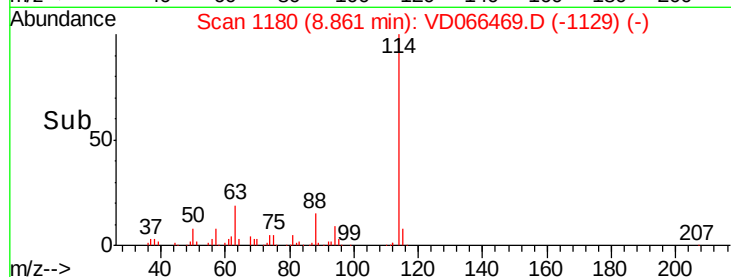
88 15.1 0.0 35.4



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: 50.129 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066469.D

Acq: 28 Aug 2020 19:31

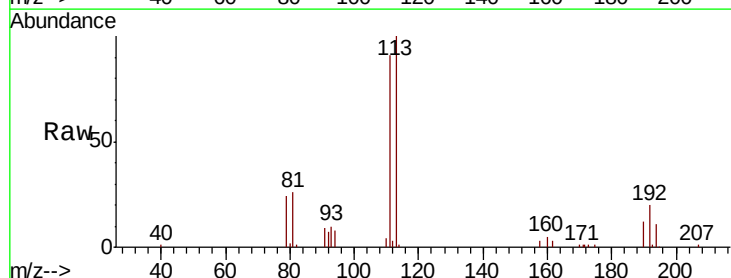
Tgt Ion:113 Resp: 78743

Ion Ratio Lower Upper

113 100

111 99.1 80.3 120.5

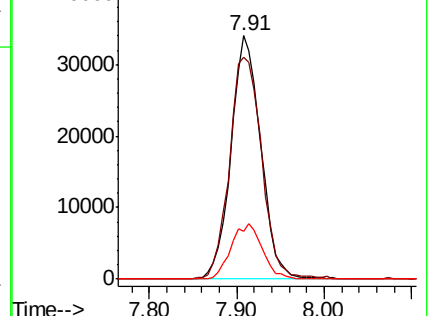
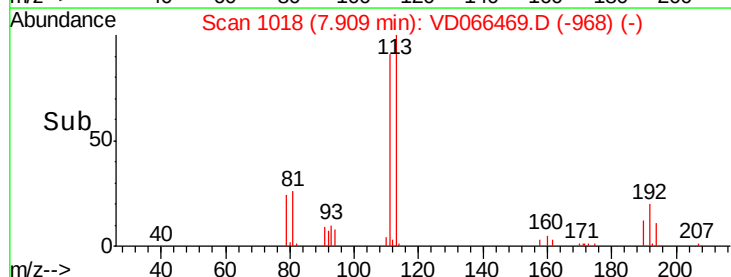
192 23.5 19.0 28.6

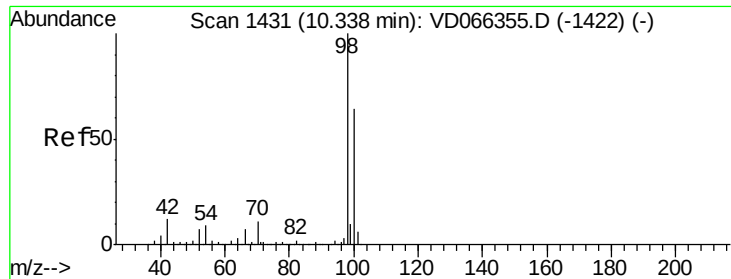


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

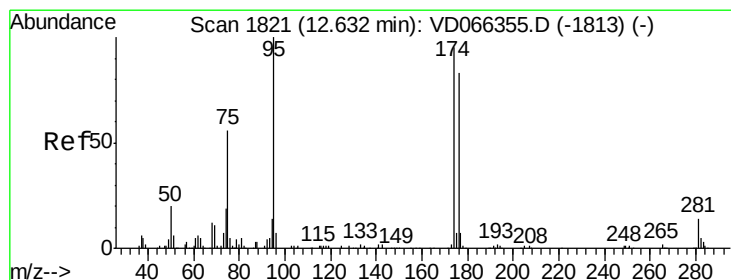
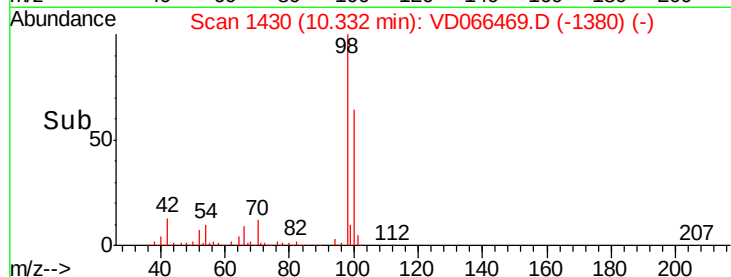
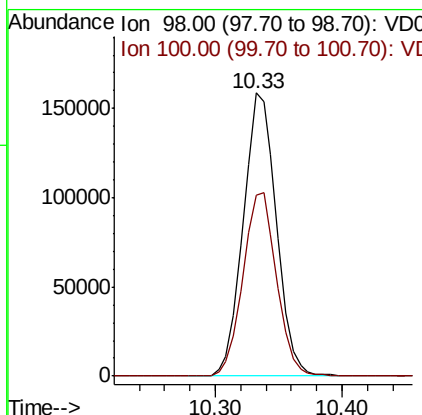
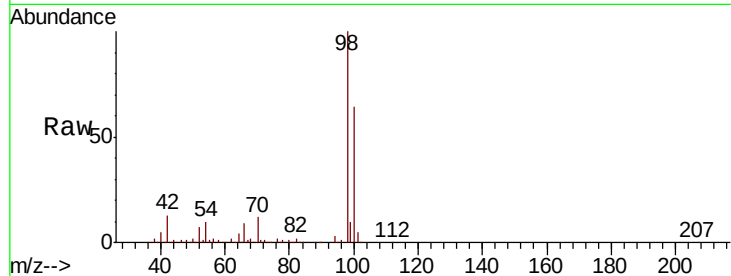




#50  
Toluene-d8  
Concen: 50.202 ug/l  
RT: 10.33 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: VD066469.D  
Acq: 28 Aug 2020 19:31

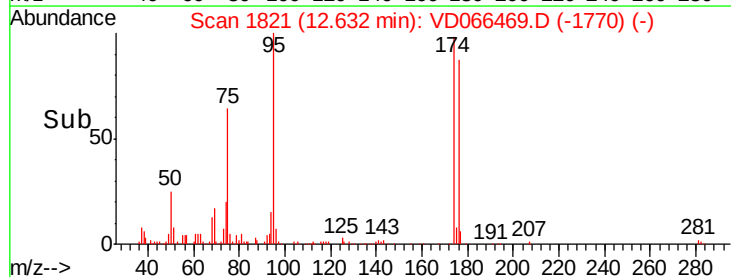
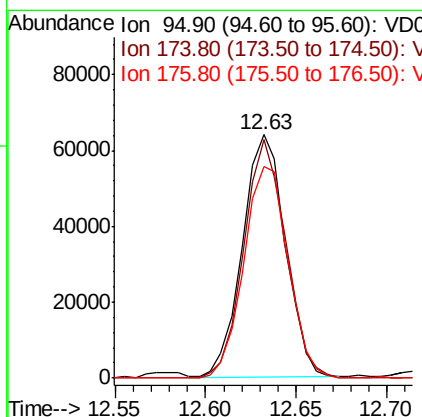
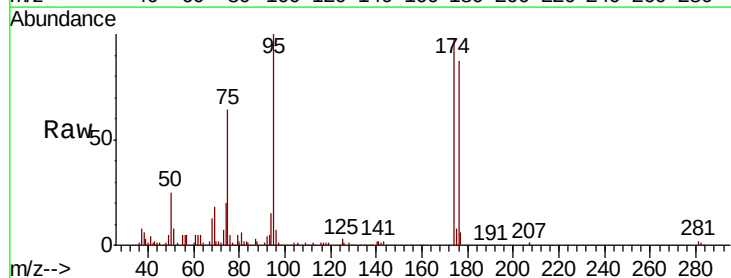
Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-2

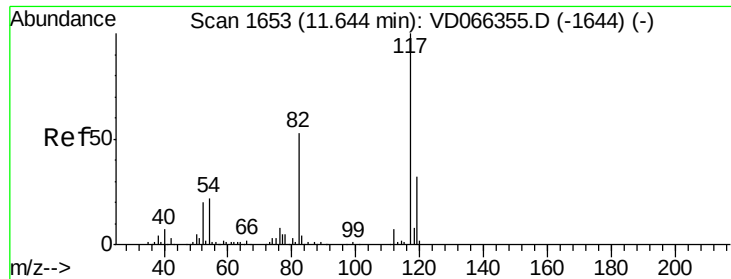
Tot Ion: 98 Resp: 288528  
Ion Ratio Lower Upper  
98 100  
100 65.7 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 51.649 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. 0.00 min  
Lab File: VD066469.D  
Acq: 28 Aug 2020 19:31

Tgt Ion: 95 Resp: 105334  
Ion Ratio Lower Upper  
95 100  
174 96.3 0.0 183.4  
176 89.9 0.0 173.8

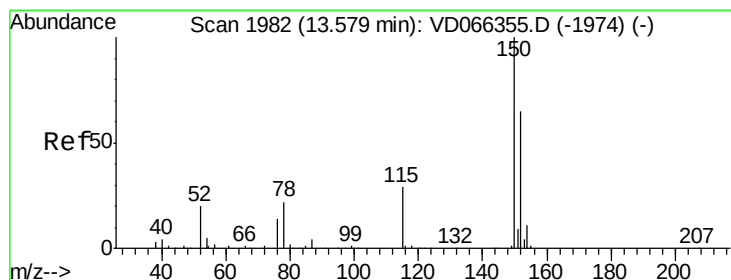
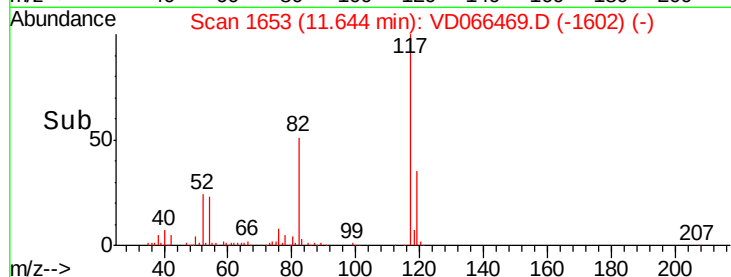
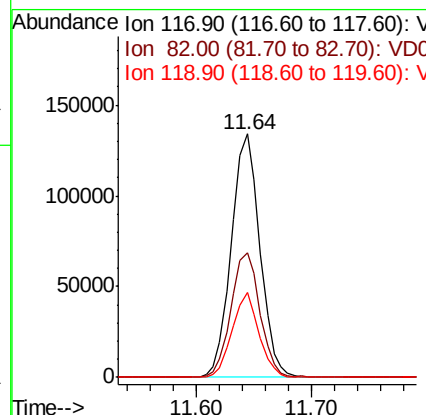
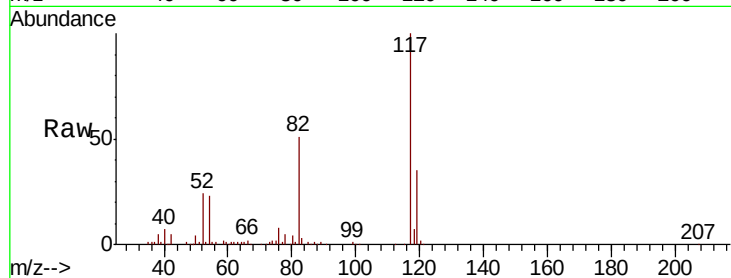




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066469.D  
Acq: 28 Aug 2020 19:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
BS-2

Tot Ion:117 Resp: 229896  
Ion Ratio Lower Upper  
117 100  
82 51.0 42.8 64.2  
119 34.9 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: VD066469.D  
Acq: 28 Aug 2020 19:31

Tgt Ion:152 Resp: 117967  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.3 85.0  
150 152.2 0.0 343.2

