

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\  
 Data File : VD062483.D  
 Acq On : 21 May 2019 16:10  
 Operator : VA/AP  
 Sample : K2951-09RE  
 Misc : 8.59g/5ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-14-SRE

Quant Time: May 22 02:18:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 03:32:39 2019  
 Response via : Initial Calibration

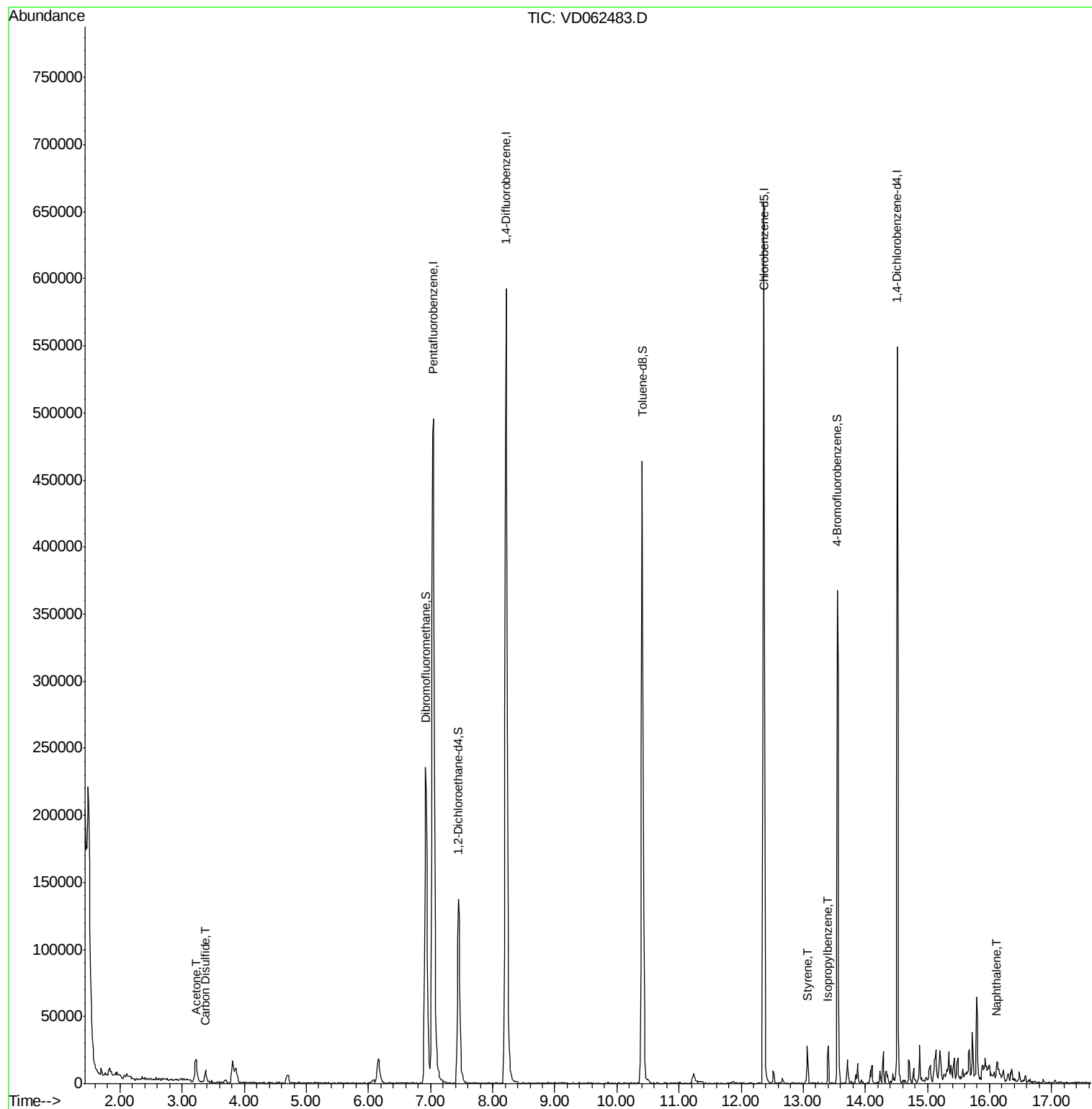
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 498738   | 50.00  | ug/l   | -0.02    |
| 34) 1,4-Difluorobenzene     | 8.22  | 114  | 635086   | 50.00  | ug/l   | -0.02    |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 377965   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 110385   | 50.00  | ug/l   | -0.02    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 158218   | 29.64  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 59.28% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 211009   | 36.83  | ug/l   | -0.03    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 73.66% |          |
| 50) Toluene-d8              | 10.41 | 98   | 382481   | 30.51  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 61.02% |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 106872   | 19.49  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 38.98% |          |
| Target Compounds            |       |      |          |        |        |          |
|                             |       |      |          |        | Qvalue |          |
| 16) Acetone                 | 3.23  | 43   | 36546    | 38.201 | ug/l # | 76       |
| 17) Carbon Disulfide        | 3.38  | 76   | 16210    | 1.449  | ug/l # | 90       |
| 70) Styrene                 | 13.07 | 104  | 11449    | 1.587  | ug/l # | 92       |
| 73) Isopropylbenzene        | 13.40 | 105  | 15989    | 2.298  | ug/l   | 96       |
| 95) Naphthalene             | 16.12 | 128  | 10278    | 3.223  | ug/l # | 93       |

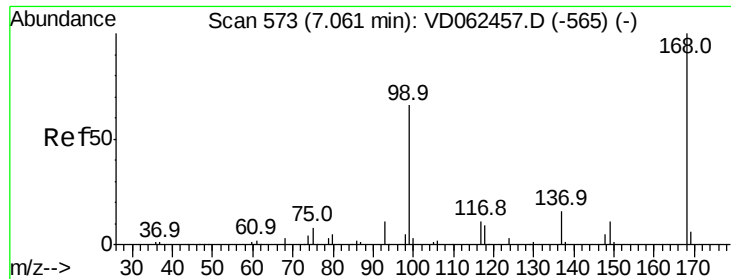
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052119\  
Data File : VD062483.D  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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TP-14-SRE

Quant Time: May 22 02:18:20 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D052019S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 21 03:32:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD062483.D

Acq: 21 May 2019 16:10

Instrument :

MSVOA\_D

ClientSampleId :

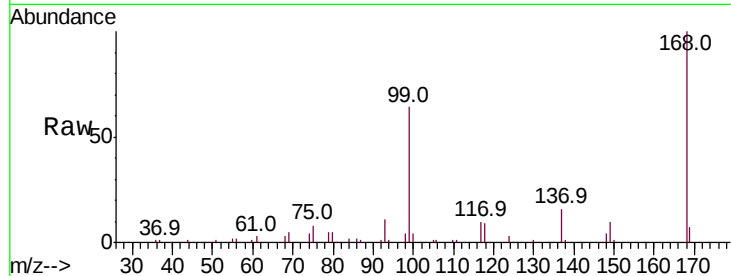
TP-14-SRE

Tot Ion:168 Resp: 498738

Ion Ratio Lower Upper

168 100

99 63.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

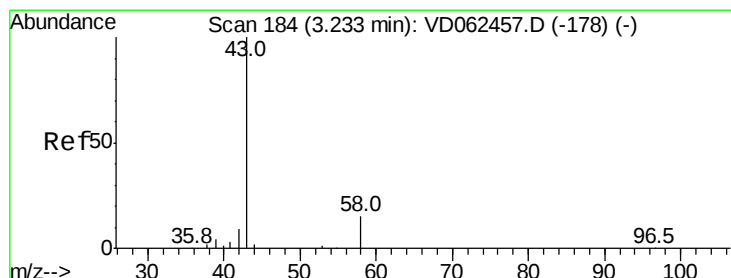
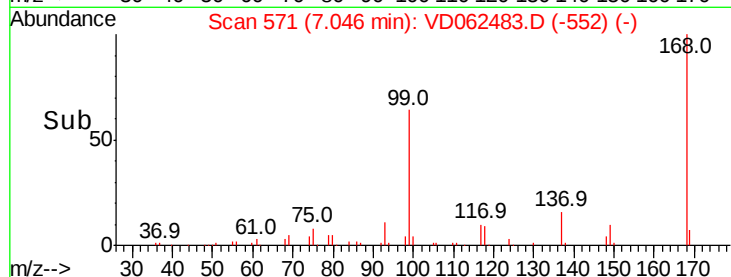
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 38.201 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062483.D

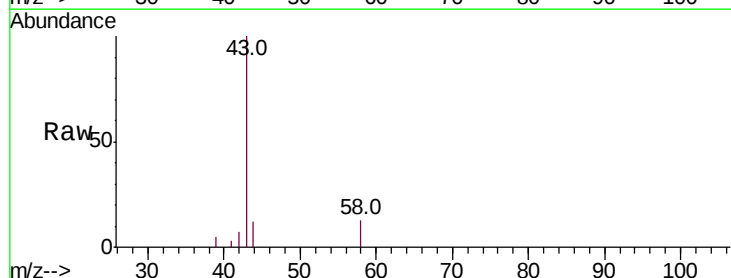
Acq: 21 May 2019 16:10

Tgt Ion: 43 Resp: 36546

Ion Ratio Lower Upper

43 100

58 12.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

15000

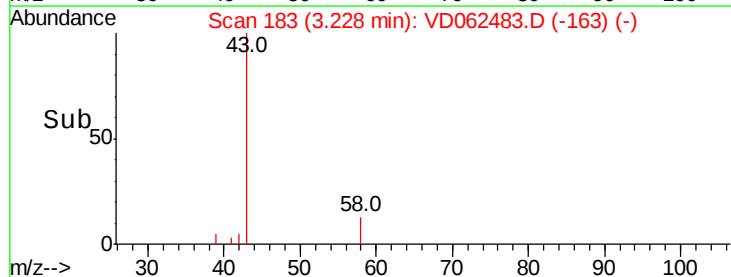
10000

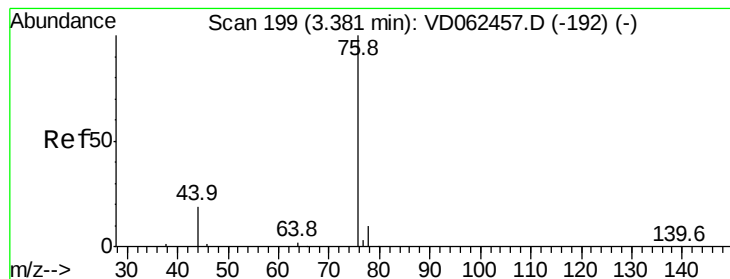
5000

0

Time-->

3.10 3.20 3.30 3.40





#17

Carbon Disulfide

Concen: 1.449 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062483.D

Acq: 21 May 2019 16:10

Instrument :

MSVOA\_D

ClientSampleId :

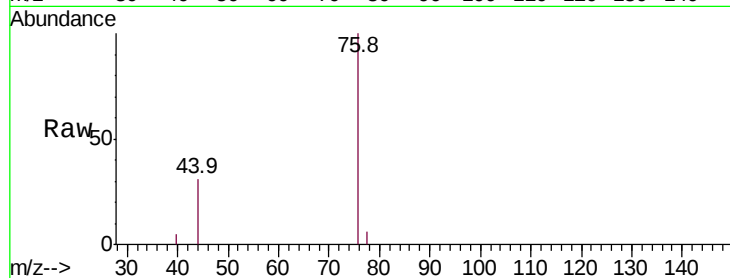
TP-14-SRE

Tot Ion: 76 Resp: 16210

Ion Ratio Lower Upper

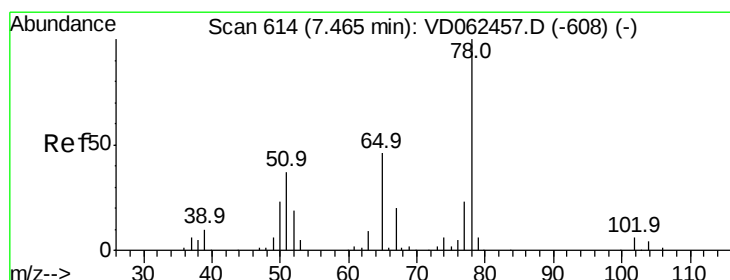
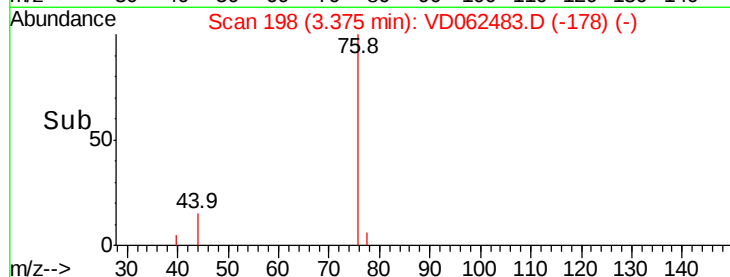
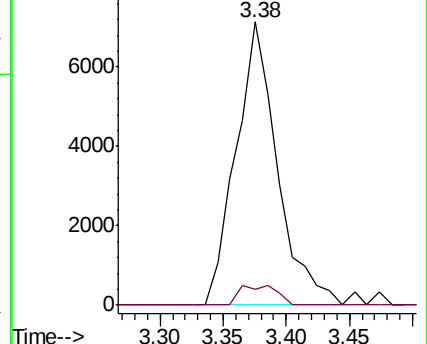
76 100

78 5.6 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#33

1,2-Dichloroethane-d4

Concen: 29.636 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062483.D

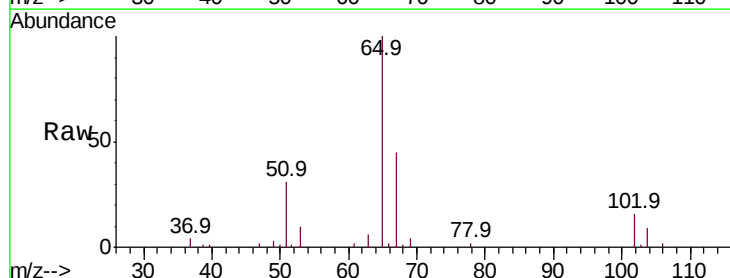
Acq: 21 May 2019 16:10

Tgt Ion: 65 Resp: 158218

Ion Ratio Lower Upper

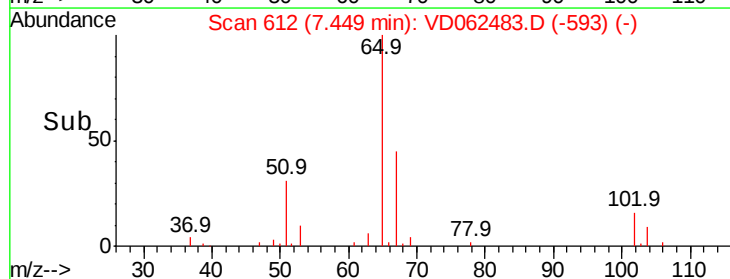
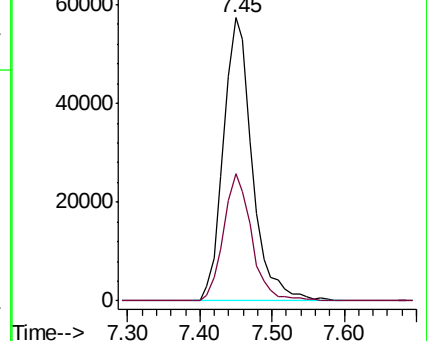
65 100

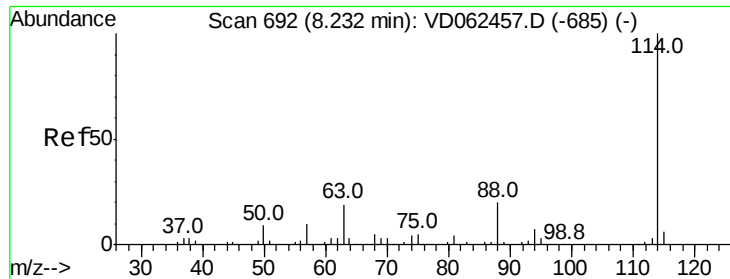
67 44.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

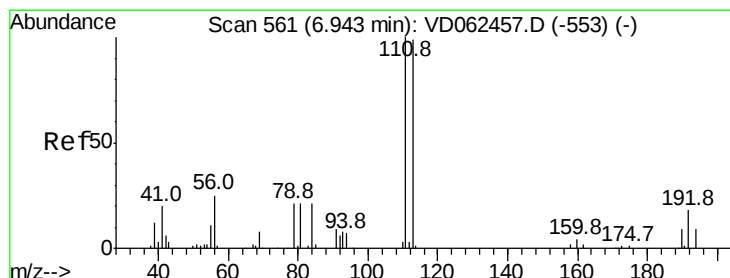
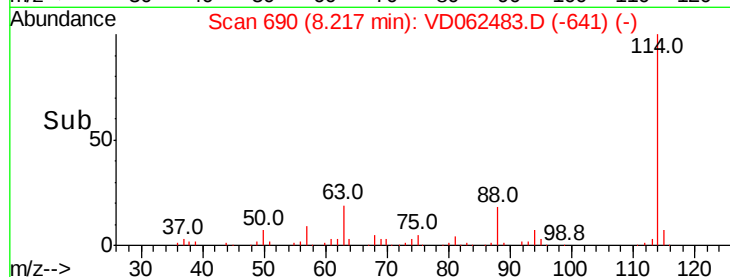
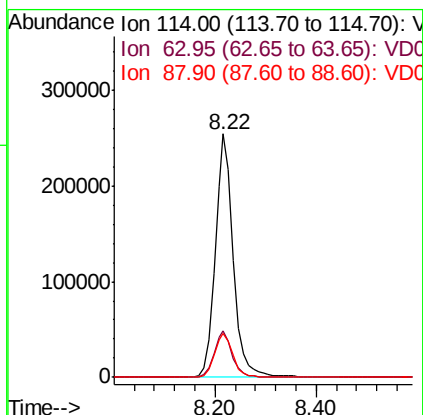
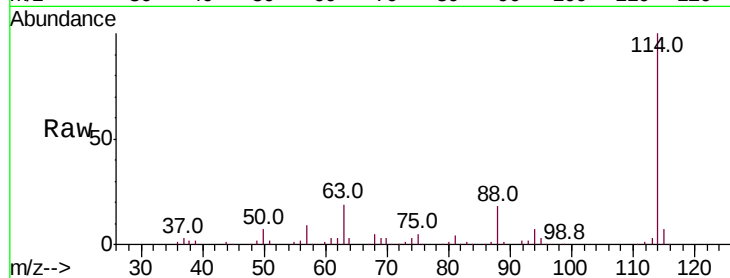




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. -0.02 min  
 Lab File: VD062483.D  
 Acq: 21 May 2019 16:10

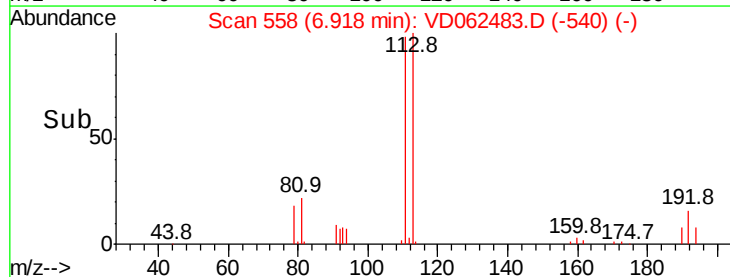
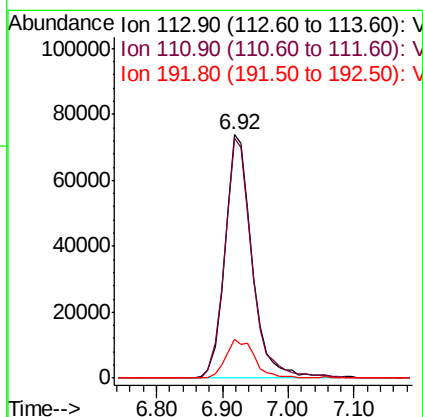
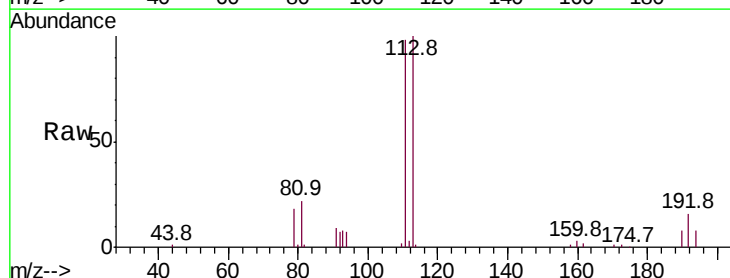
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-14-SRE

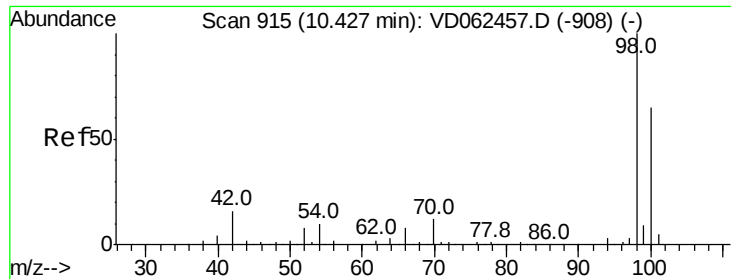
Tot Ion:114 Resp: 635086  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 32.4  
 88 18.3 0.0 33.6



#35  
 Dibromofluoromethane  
 Concen: 36.830 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. -0.03 min  
 Lab File: VD062483.D  
 Acq: 21 May 2019 16:10

Tgt Ion:113 Resp: 211009  
 Ion Ratio Lower Upper  
 113 100  
 111 98.4 78.5 117.7  
 192 15.9 13.0 19.4





#50

Toluene-d8

Concen: 30.506 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.02 min

Lab File: VD062483.D

Acq: 21 May 2019 16:10

Instrument :

MSVOA\_D

ClientSampleId :

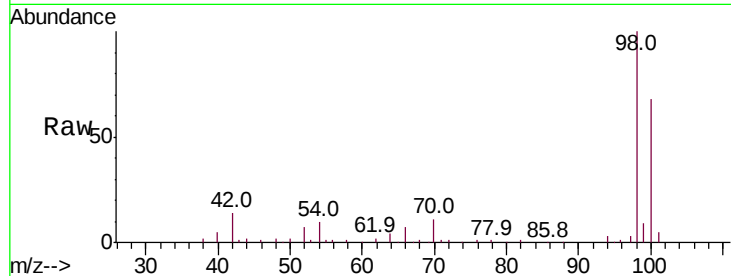
TP-14-SRE

Tot Ion: 98 Resp: 382481

Ion Ratio Lower Upper

98 100

100 68.3 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062457.D (-908) (-)

Ion 100.05 (99.75 to 100.75): VD062457.D (-908) (-)

10.41

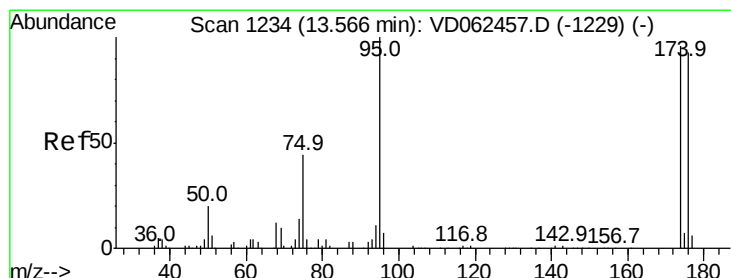
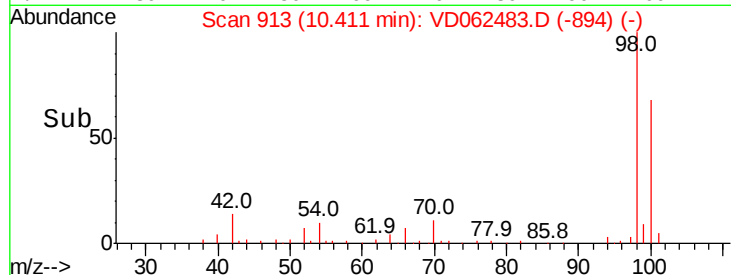
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.486 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VD062483.D

Acq: 21 May 2019 16:10

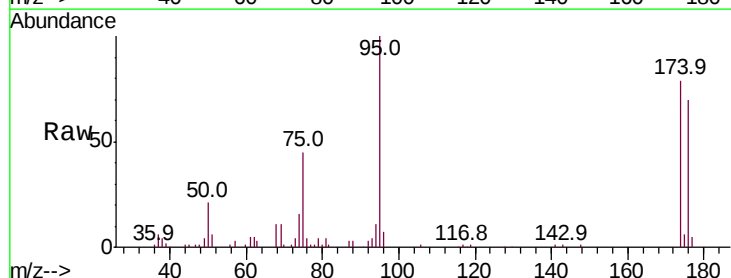
Tgt Ion: 95 Resp: 106872

Ion Ratio Lower Upper

95 100

174 79.0 0.0 181.8

176 70.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062457.D (-1229) (-)

Ion 173.90 (173.60 to 174.60): VD062457.D (-1229) (-)

Ion 175.90 (175.60 to 176.60): VD062457.D (-1229) (-)

100000

80000

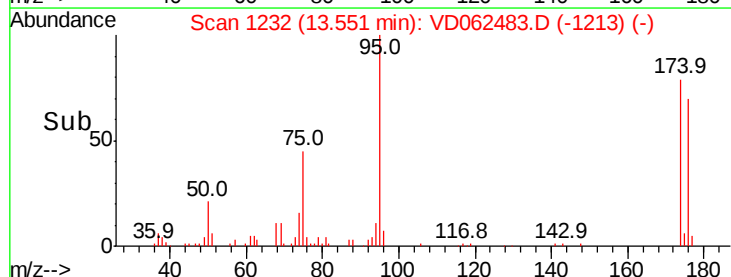
60000

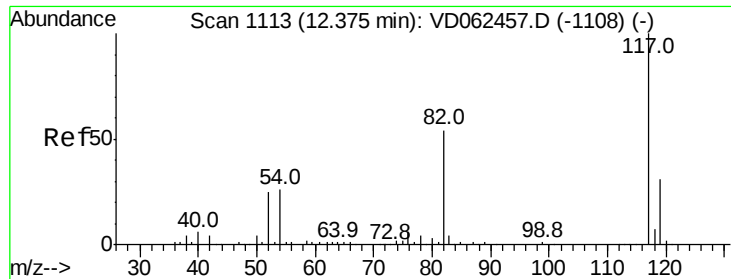
40000

20000

0

Time-->

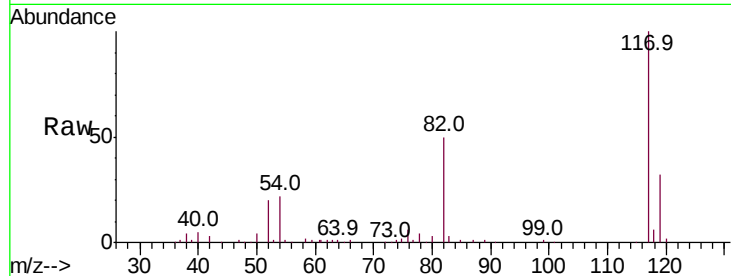




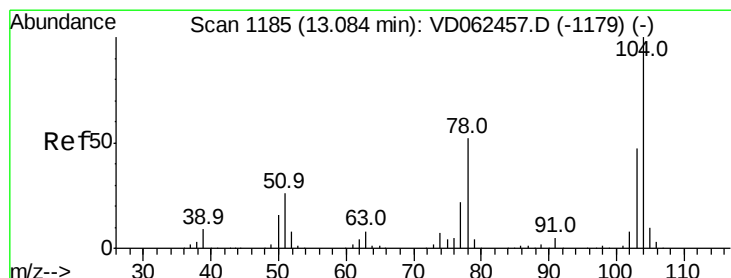
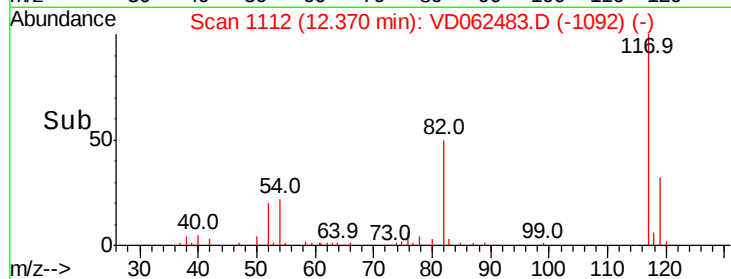
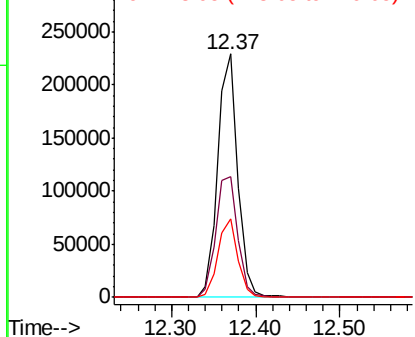
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. -0.01 min  
Lab File: VD062483.D  
Acq: 21 May 2019 16:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-14-SRE

Tot Ion:117 Resp: 377965  
Ion Ratio Lower Upper  
117 100  
82 49.8 36.2 54.2  
119 32.3 26.2 39.4

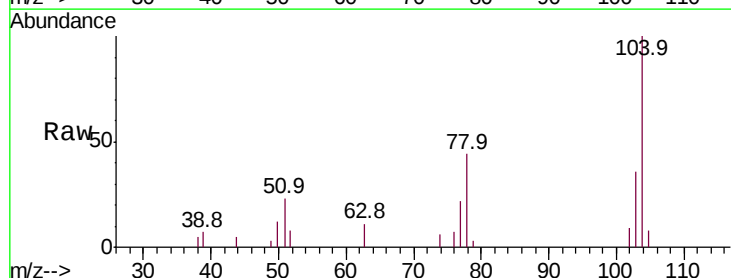


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

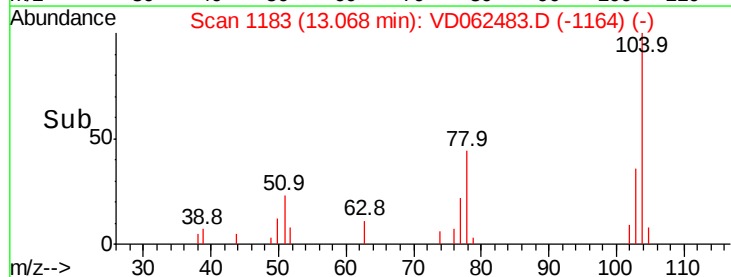
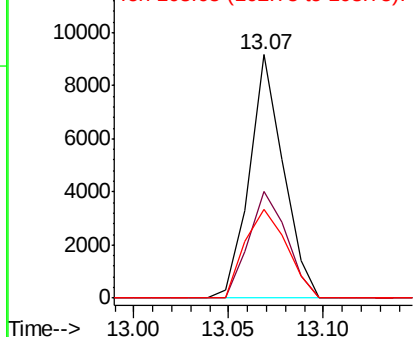


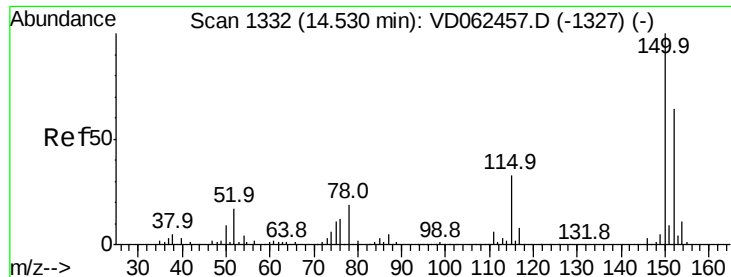
#70  
Styrene  
Concen: 1.587 ug/l  
RT: 13.07 min Scan# 1183  
Delta R.T. -0.02 min  
Lab File: VD062483.D  
Acq: 21 May 2019 16:10

Tgt Ion:104 Resp: 11449  
Ion Ratio Lower Upper  
104 100  
78 44.0 35.4 53.2  
103 36.3 37.5 56.3#



Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): V  
Ion 103.05 (102.75 to 103.75): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD062483.D

Acq: 21 May 2019 16:10

Instrument :

MSVOA\_D

ClientSampleId :

TP-14-SRE

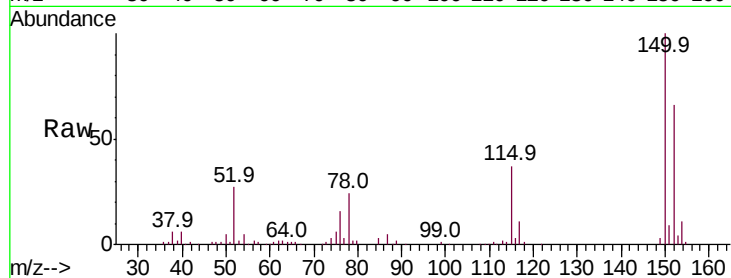
Tot Ion:152 Resp: 110385

Ion Ratio Lower Upper

152 100

115 56.2 30.9 92.7

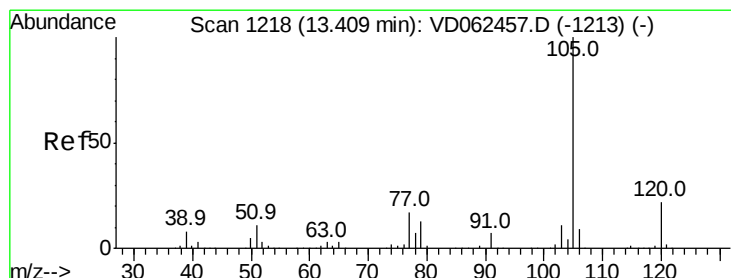
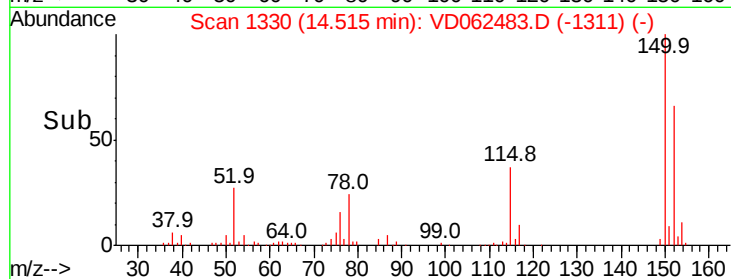
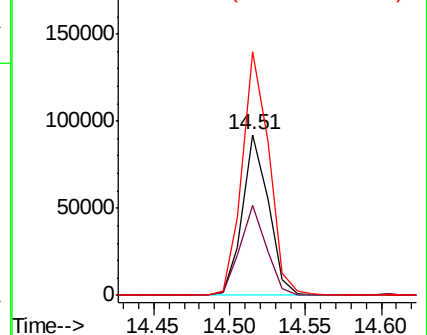
150 151.7 0.0 314.8



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



#73

Isopropylbenzene

Concen: 2.298 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062483.D

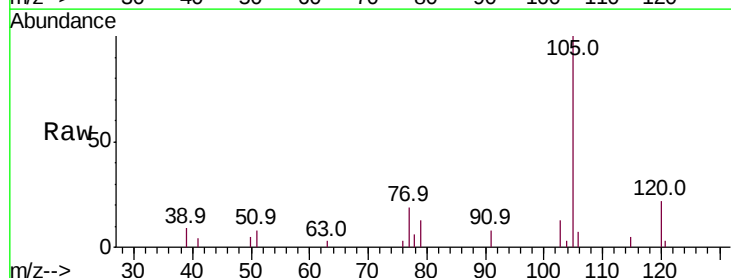
Acq: 21 May 2019 16:10

Tgt Ion:105 Resp: 15989

Ion Ratio Lower Upper

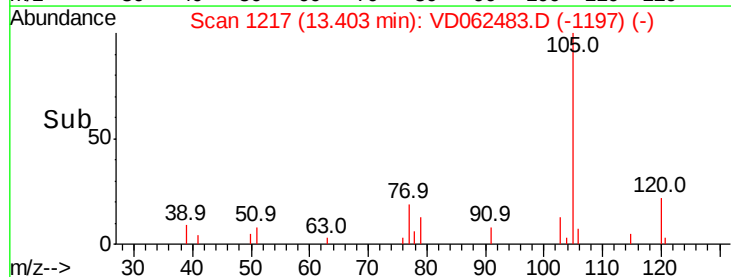
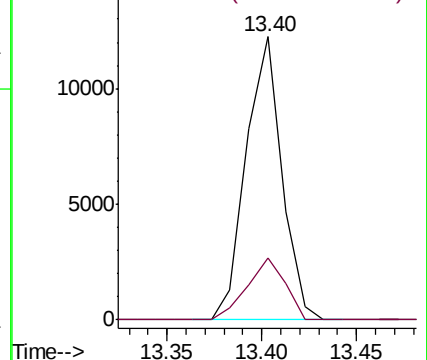
105 100

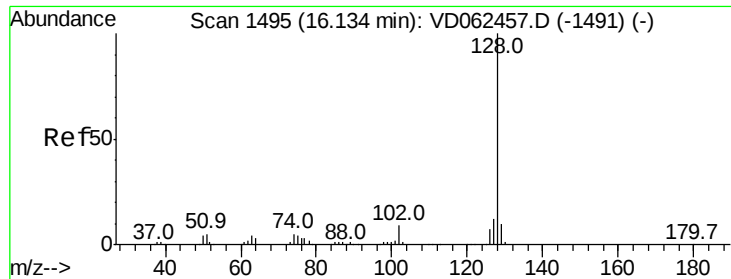
120 22.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#95  
Naphthalene  
Concen: 3.223 ug/l  
RT: 16.12 min Scan# 1493  
Delta R.T. -0.02 min  
Lab File: VD062483.D  
Acq: 21 May 2019 16:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-14-SRE

Tot Ion:128 Resp: 10278  
Ion Ratio Lower Upper  
128 100  
127 9.1 9.8 14.8#  
129 12.9 8.8 13.2

