

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\  
 Data File : VD061323.D  
 Acq On : 26 Mar 2019 3:22  
 Operator : VA/AP  
 Sample : K2045-09RE  
 Misc : 6.12g/5ml/MSVOA D/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB438-190318-(25-27)RE

Quant Time: Mar 26 07:00:30 2019  
 Quant Title :  
 QLast Update : Tue Mar 26 03:31:57 2019  
 Response via : Initial Calibration

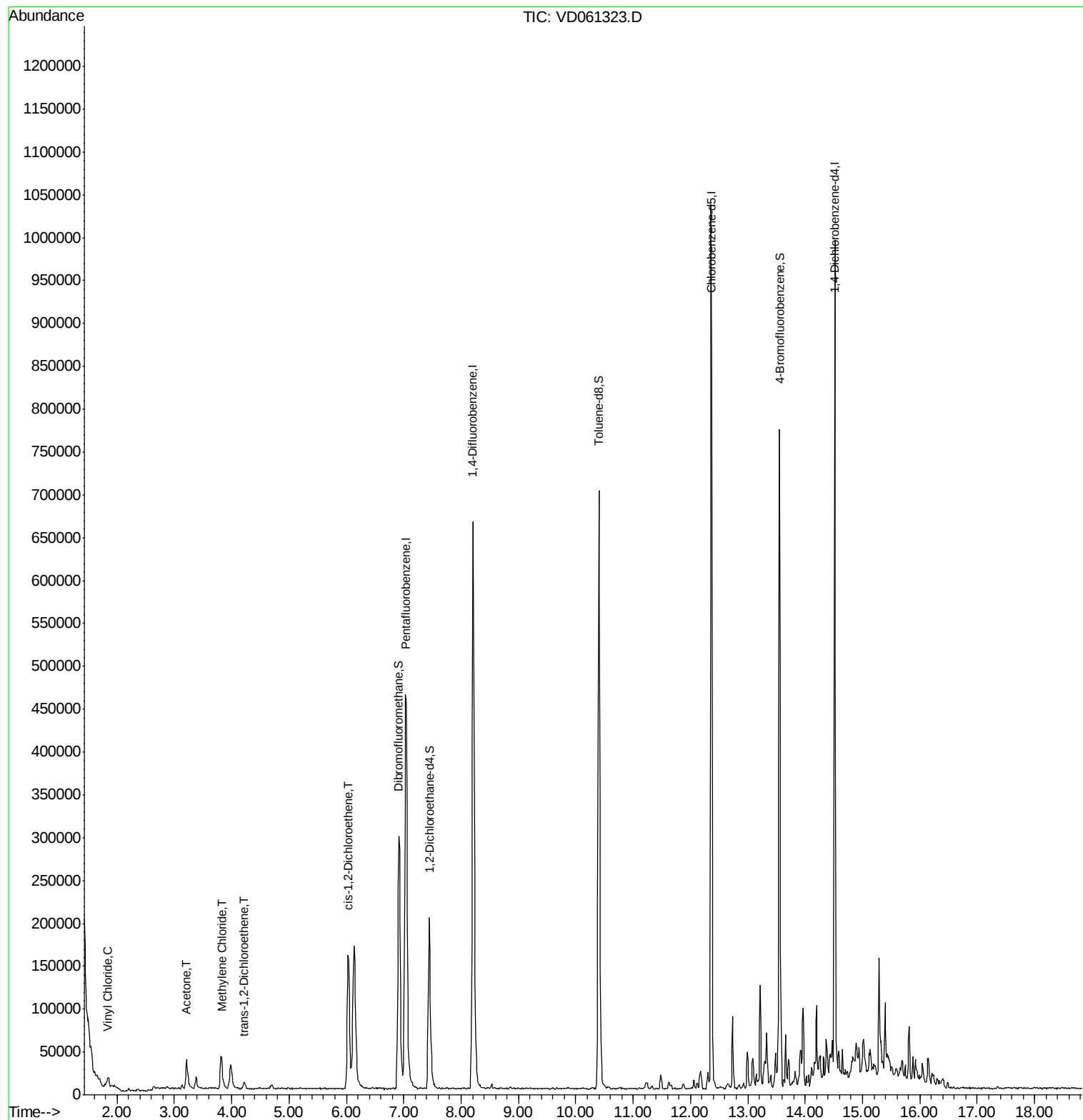
| Internal Standards           | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|------------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene        | 7.04  | 168  | 493129   | 50.00  | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene      | 8.21  | 114  | 863671   | 50.00  | ug/l   | -0.01    |
| 63) Chlorobenzene-d5         | 12.36 | 117  | 665163   | 50.00  | ug/l   | -0.01    |
| 72) 1,4-Dichlorobenzene-d4   | 14.51 | 152  | 220043   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds  |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 7.45  | 65   | 187240   | 44.01  | ug/l   | -0.01    |
| Spiked Amount 50.000         |       |      | Recovery | =      | 88.02% |          |
| 35) Dibromofluoromethane     | 6.91  | 113  | 289548   | 43.81  | ug/l   | -0.02    |
| Spiked Amount 50.000         |       |      | Recovery | =      | 87.62% |          |
| 50) Toluene-d8               | 10.40 | 98   | 600948   | 37.50  | ug/l   | -0.01    |
| Spiked Amount 50.000         |       |      | Recovery | =      | 75.00% |          |
| 62) 4-Bromofluorobenzene     | 13.55 | 95   | 214990   | 34.39  | ug/l   | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 68.78% |          |
| Target Compounds             |       |      |          |        |        |          |
|                              |       |      |          |        | Ovalue |          |
| 4) Vinyl Chloride            | 1.85  | 62   | 7752     | 2.108  | ug/l   | 95       |
| 16) Acetone                  | 3.21  | 43   | 65610    | 64.471 | ug/l   | 99       |
| 20) Methylene Chloride       | 3.82  | 84   | 30321    | 5.250  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 4.23  | 96   | 5691     | 1.069  | ug/l   | 88       |
| 27) cis-1,2-Dichloroethene   | 6.03  | 96   | 124770   | 21.769 | ug/l   | 88       |

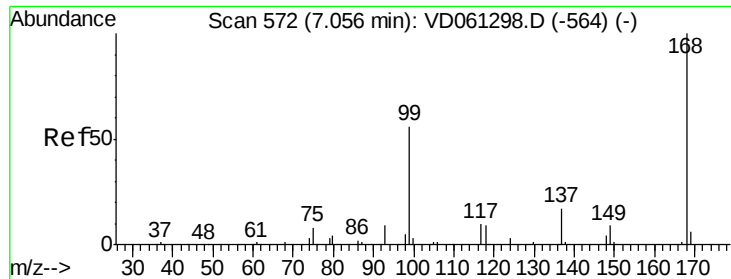
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\  
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ALS Vial : 38 Sample Multiplier: 1

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MSVOA\_D  
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QLast Update : Tue Mar 26 03:31:57 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061323.D

Acq: 26 Mar 2019 3:22

Instrument :

MSVOA\_D

ClientSampleId :

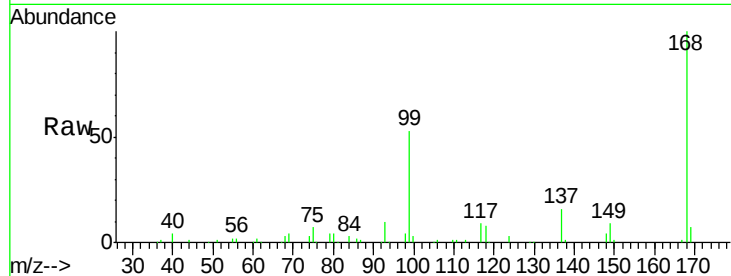
WP022SB438-190318-(25-27)RE

Tot Ion:168 Resp: 493129

Ion Ratio Lower Upper

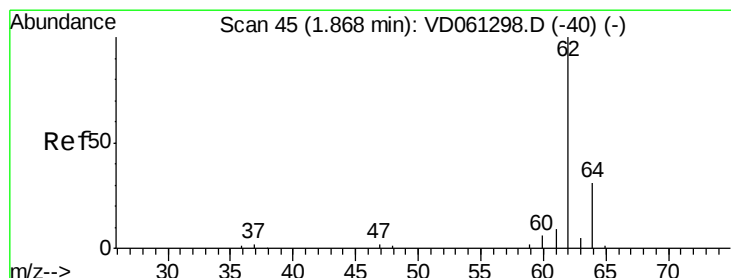
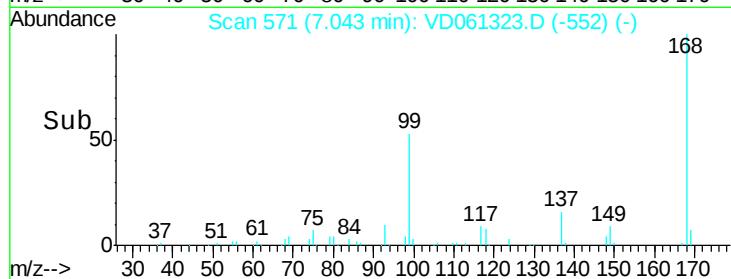
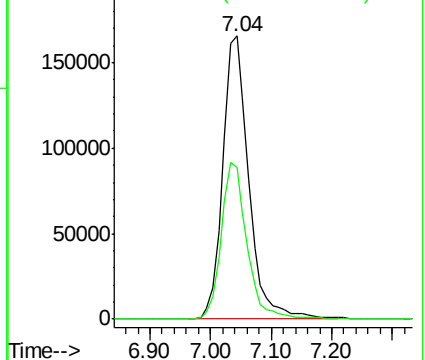
168 100

99 53.5 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 2.108 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061323.D

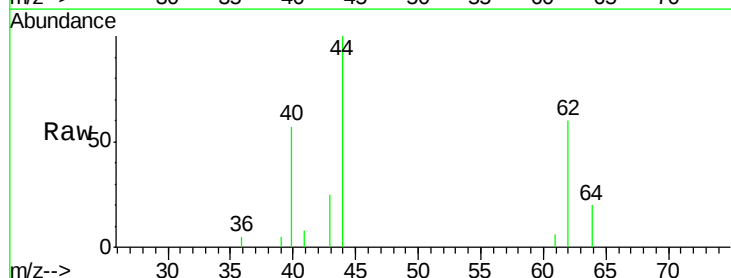
Acq: 26 Mar 2019 3:22

Tgt Ion: 62 Resp: 7752

Ion Ratio Lower Upper

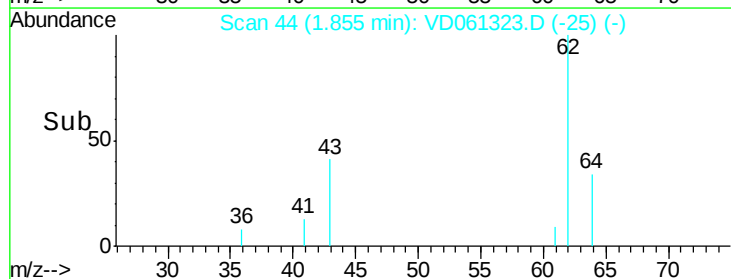
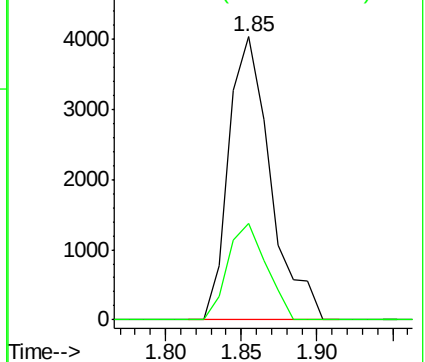
62 100

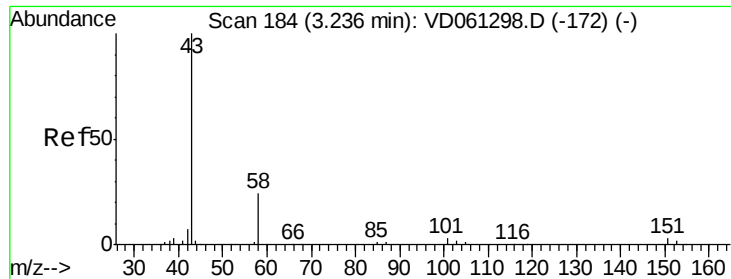
64 34.0 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#16

Acetone

Concen: 64.471 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD061323.D

Acq: 26 Mar 2019 3:22

Instrument :

MSVOA\_D

ClientSampleId :

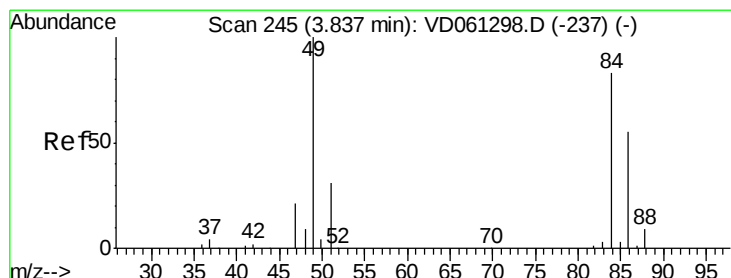
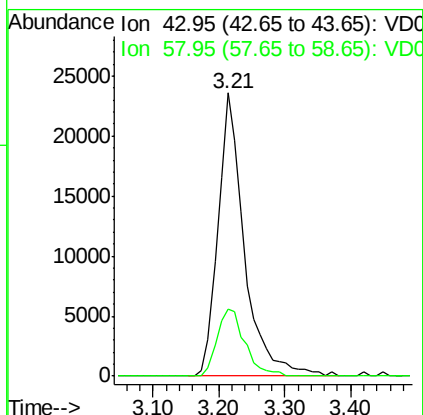
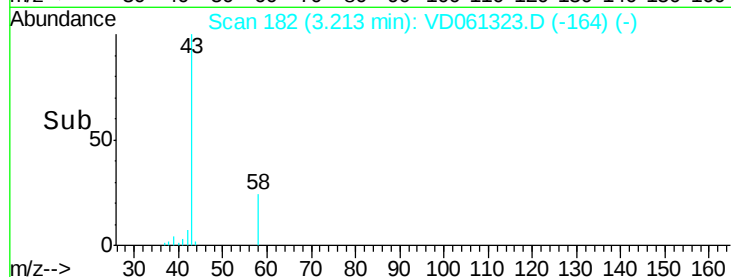
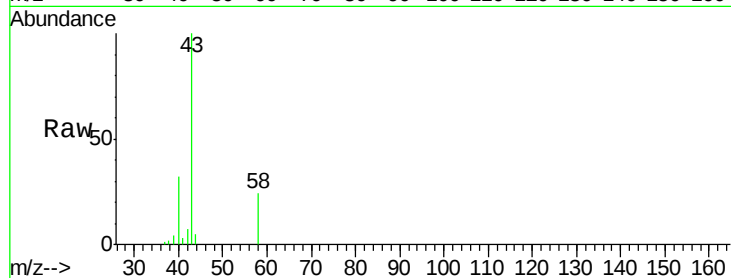
WP022SB438-190318-(25-27)RE

Tot Ion: 43 Resp: 65610

Ion Ratio Lower Upper

43 100

58 23.6 19.4 29.0



#20

Methylene Chloride

Concen: 5.250 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD061323.D

Acq: 26 Mar 2019 3:22

Tgt Ion: 84 Resp: 30321

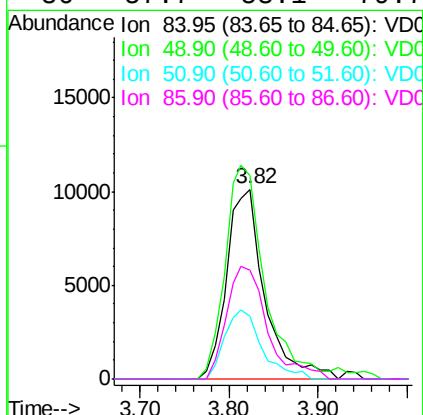
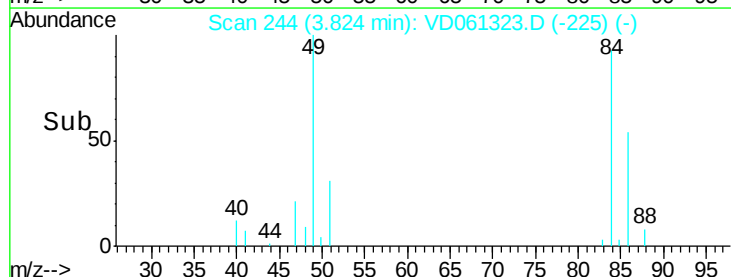
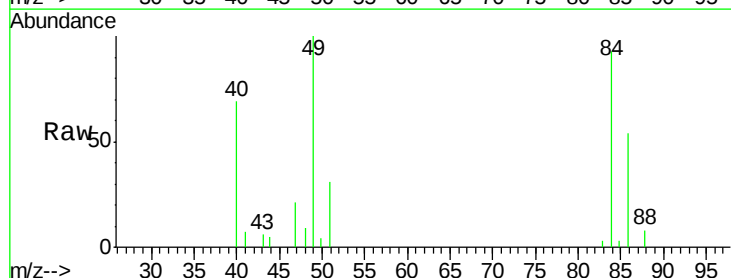
Ion Ratio Lower Upper

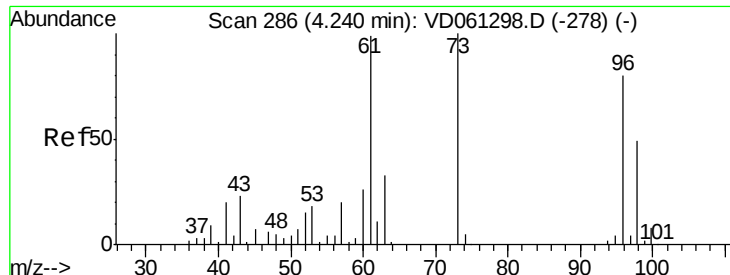
84 100

49 107.6 96.8 145.2

51 33.3 29.9 44.9

86 57.7 53.1 79.7

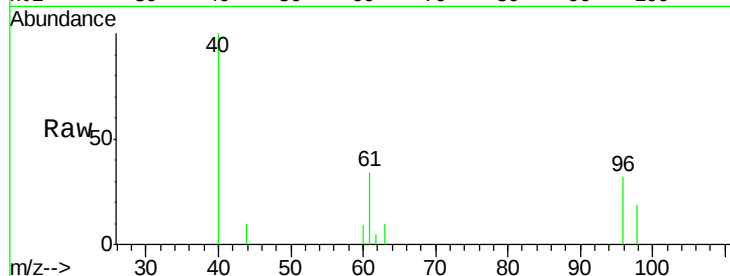




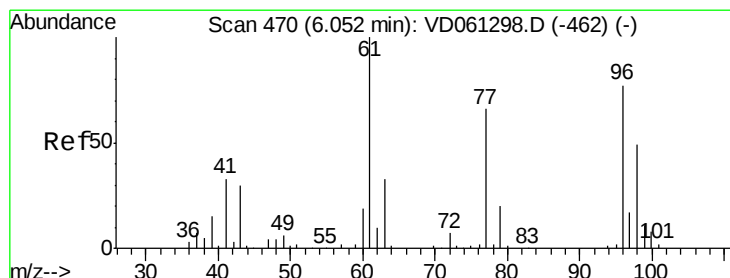
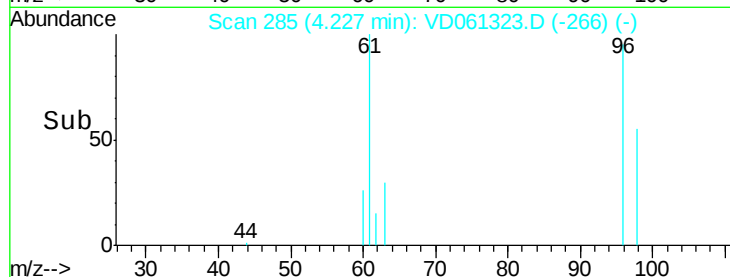
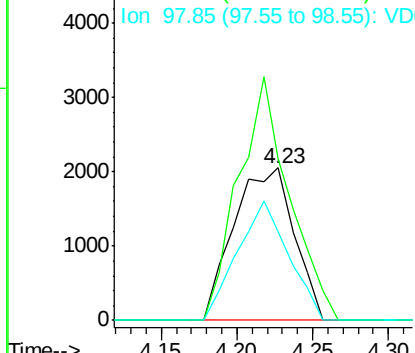
#21  
trans-1,2-Dichloroethene  
Concen: 1.069 ug/l  
RT: 4.23 min Scan# 285  
Delta R.T. -0.01 min  
Lab File: VD061323.D  
Acq: 26 Mar 2019 3:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB438-190318-(25-27)RE

Tot Ion: 96 Resp: 5691  
Ion Ratio Lower Upper  
96 100  
61 105.8 99.2 148.8  
98 58.2 49.2 73.8

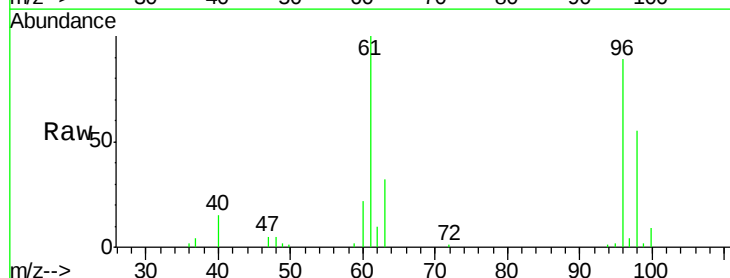


Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC

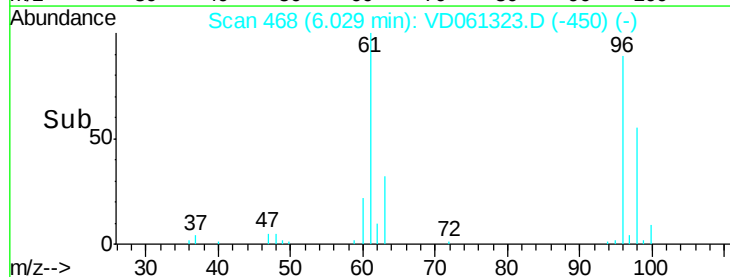
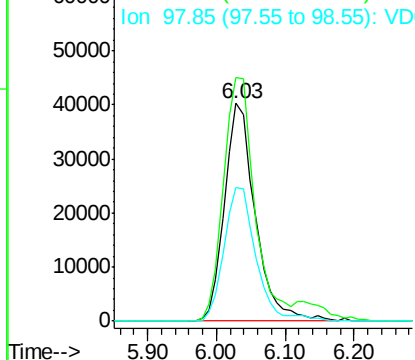


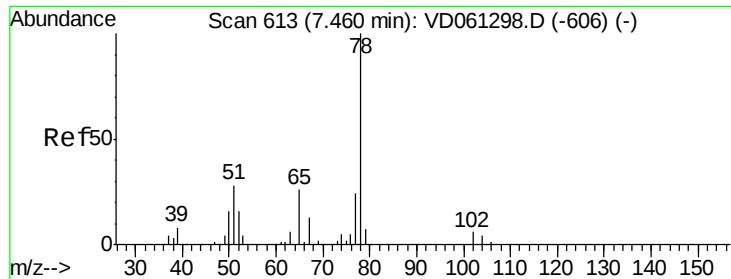
#27  
cis-1,2-Dichloroethene  
Concen: 21.769 ug/l  
RT: 6.03 min Scan# 468  
Delta R.T. -0.02 min  
Lab File: VD061323.D  
Acq: 26 Mar 2019 3:22

Tgt Ion: 96 Resp: 124770  
Ion Ratio Lower Upper  
96 100  
61 111.8 0.0 261.0  
98 61.6 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061323.D

Acq: 26 Mar 2019 3:22

Instrument :

MSVOA\_D

ClientSampleId :

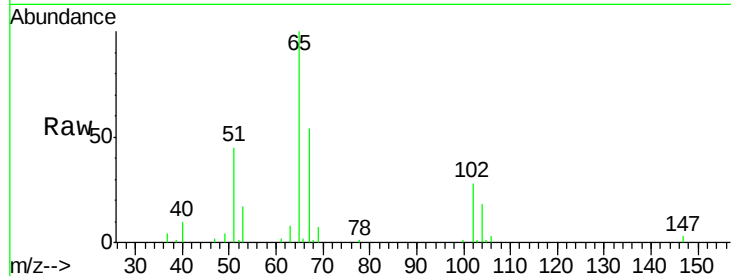
WP022SB438-190318-(25-27)RE

Tot Ion: 65 Resp: 187240

Ion Ratio Lower Upper

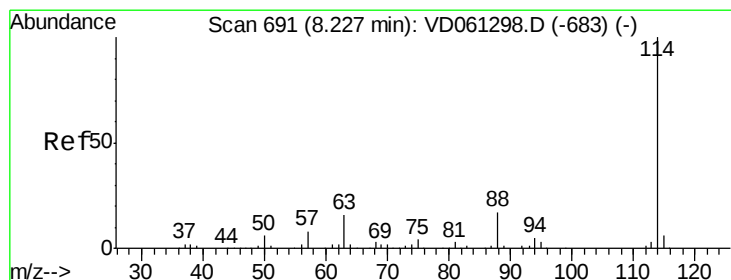
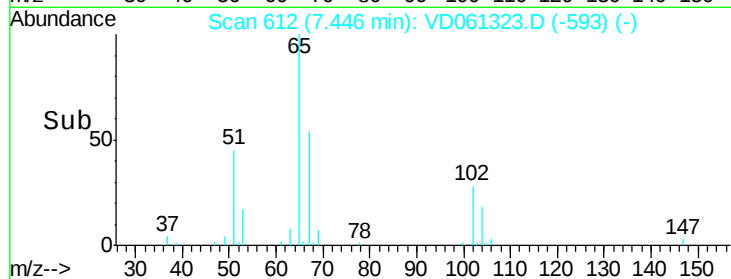
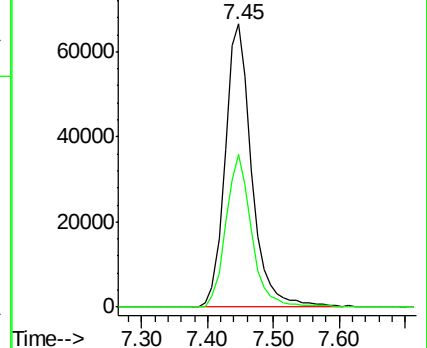
65 100

67 54.0 0.0 100.8



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: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061323.D

Acq: 26 Mar 2019 3:22

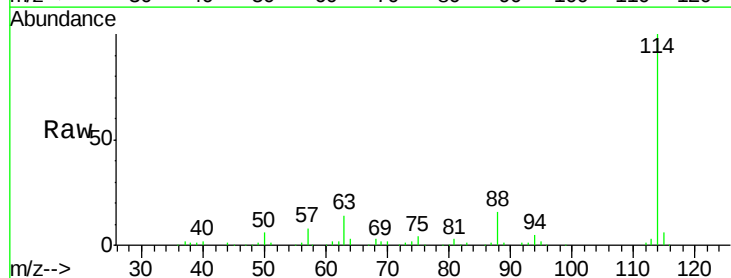
Tgt Ion: 114 Resp: 863671

Ion Ratio Lower Upper

114 100

63 14.5 0.0 31.4

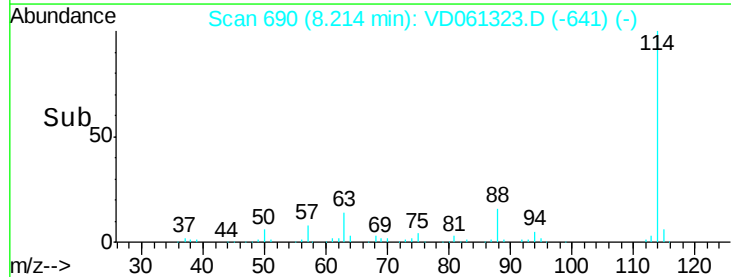
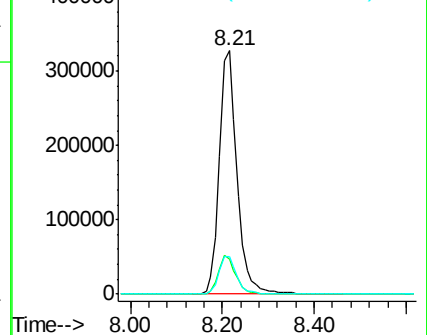
88 15.6 0.0 33.2

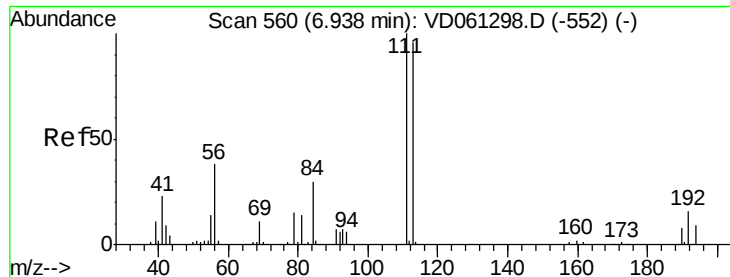


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD061323.D

Acq: 26 Mar 2019 3:22

Instrument :

MSVOA\_D

ClientSampleId :

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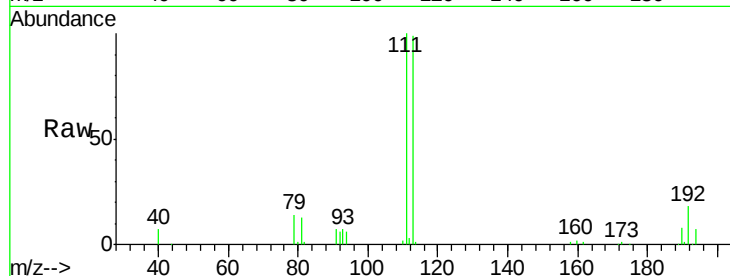
Tot Ion:113 Resp: 289548

Ion Ratio Lower Upper

113 100

111 101.1 83.7 125.5

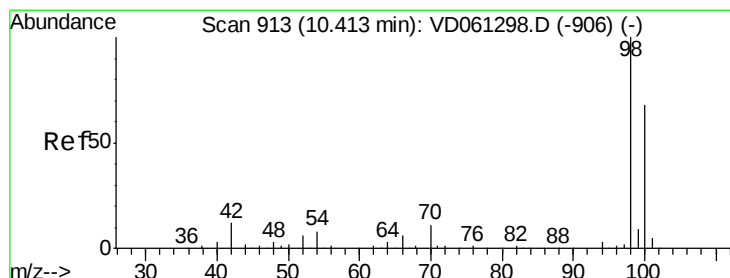
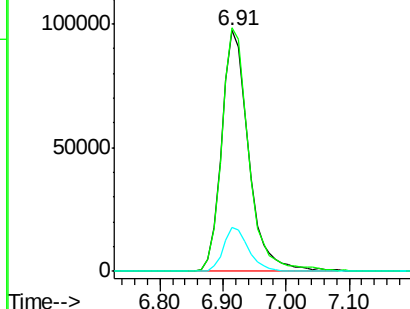
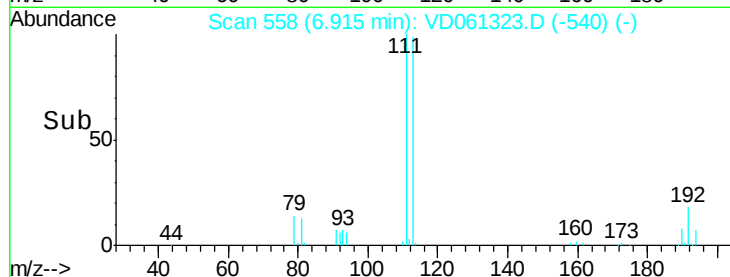
192 18.2 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD061323.D

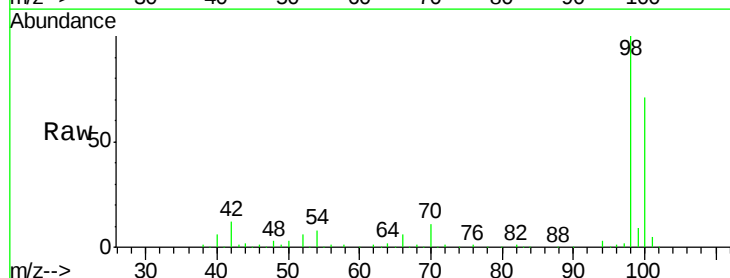
Acq: 26 Mar 2019 3:22

Tgt Ion: 98 Resp: 600948

Ion Ratio Lower Upper

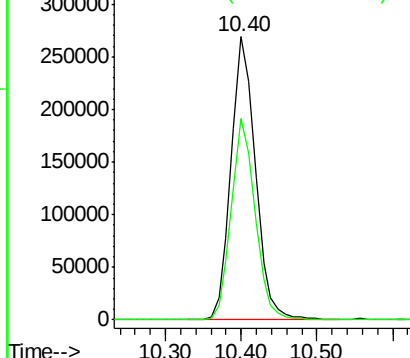
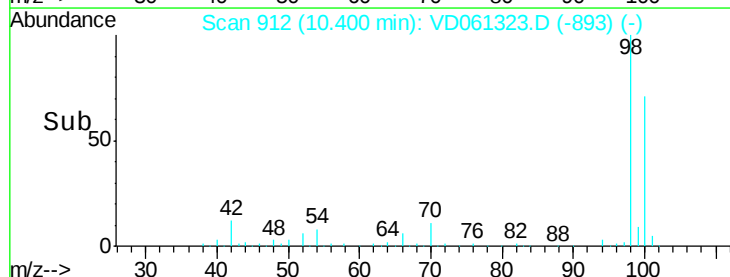
98 100

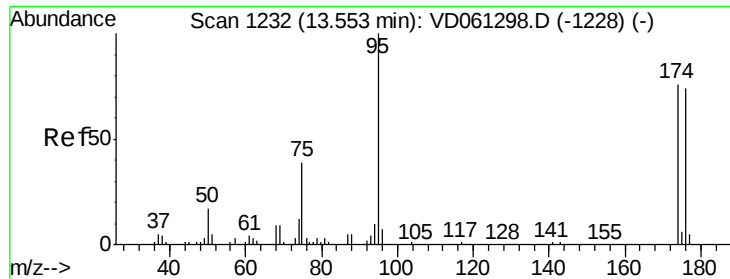
100 71.2 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

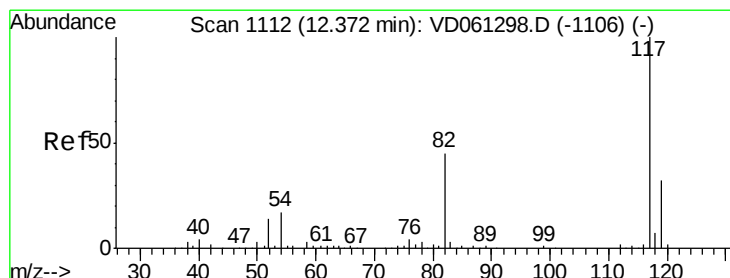
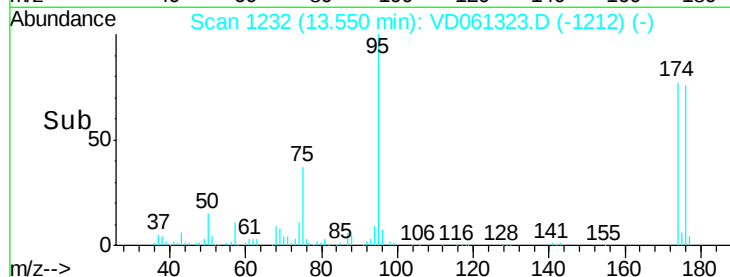
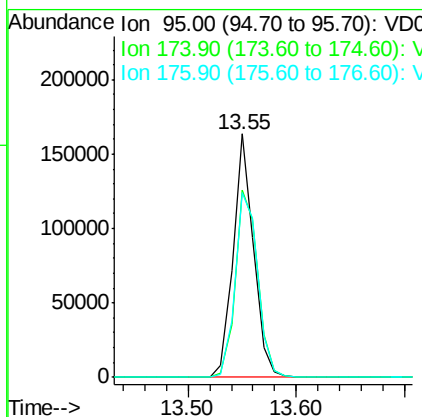
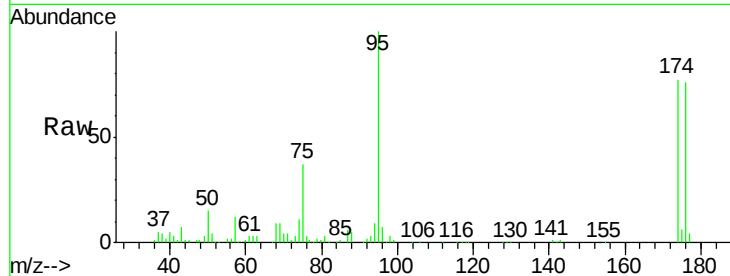




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.55 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: VD061323.D  
Acq: 26 Mar 2019 3:22

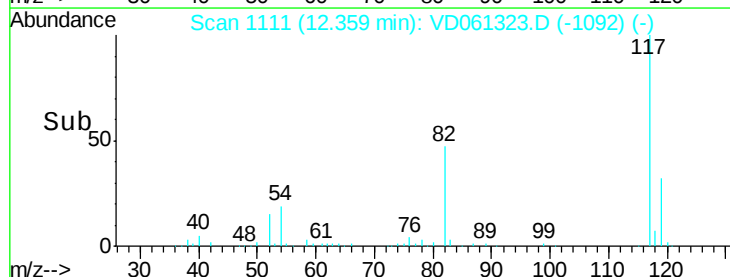
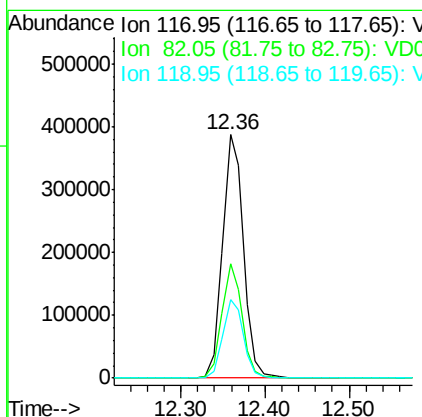
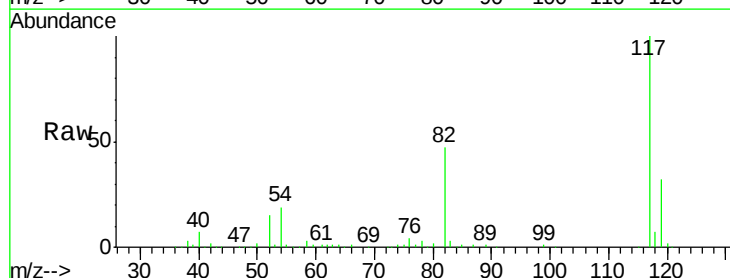
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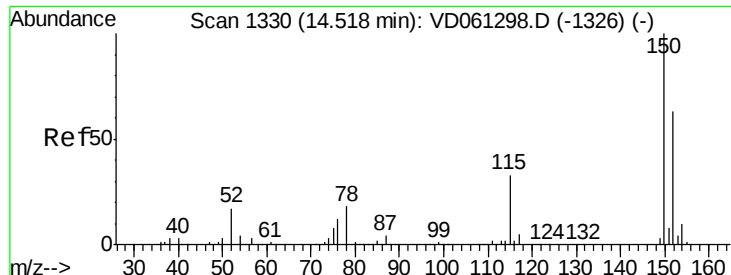
Tot Ion: 95 Resp: 214990  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 151.8  
176 75.6 0.0 148.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: VD061323.D  
Acq: 26 Mar 2019 3:22

Tgt Ion: 117 Resp: 665163  
Ion Ratio Lower Upper  
117 100  
82 46.9 35.7 53.5  
119 32.5 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061323.D

Acq: 26 Mar 2019 3:22

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB438-190318-(25-27)RE

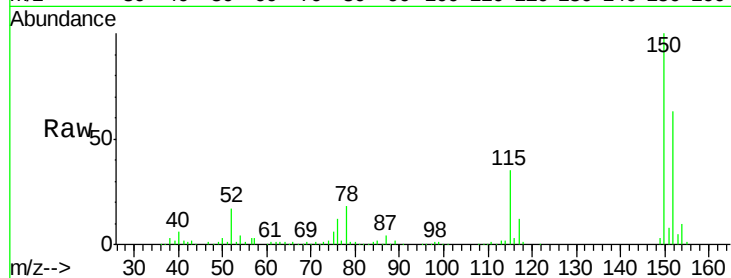
Tot Ion:152 Resp: 220043

Ion Ratio Lower Upper

152 100

115 55.9 29.2 87.6

150 159.3 0.0 319.6



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

