

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\  
 Data File : VX004515.D  
 Acq On : 13 Sep 2018 14:48  
 Operator : JC/MD  
 Sample : J4873-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 NF-STONE

Quant Time: Sep 14 05:12:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 02:17:23 2018  
 Response via : Initial Calibration

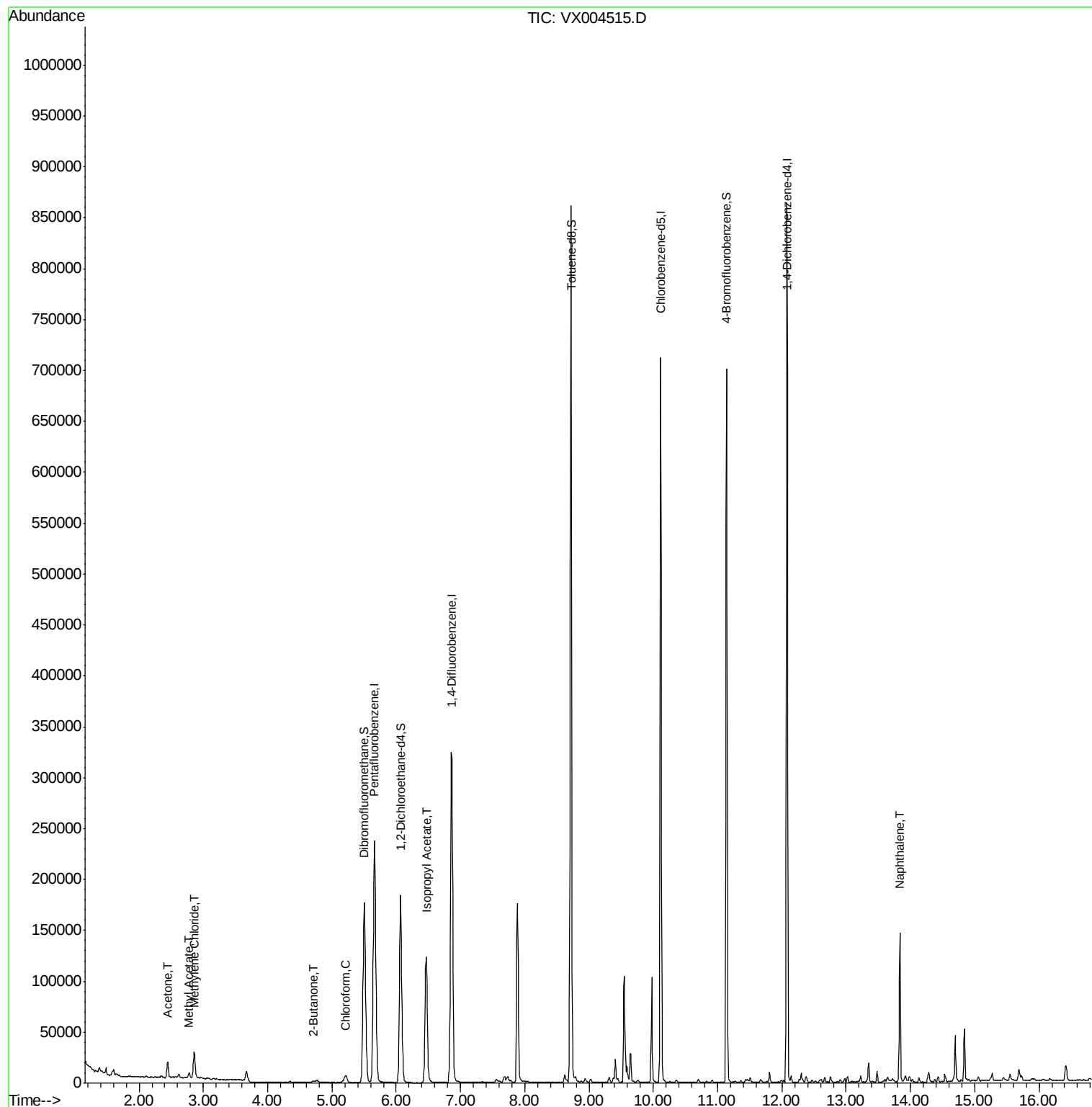
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 241903   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 338671   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 330181   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 181088   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 163130   | 52.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.60% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 145566   | 46.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.94%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 506219   | 48.71  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.42%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 173680   | 46.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.64%  |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 16) Acetone                 | 2.45  | 43   | 16836    | 11.059 | ug/l    | 96       |
| 18) Methyl Acetate          | 2.78  | 43   | 6203     | 1.452  | ug/l    | 96       |
| 20) Methylene Chloride      | 2.85  | 84   | 12647    | 4.050  | ug/l    | 93       |
| 25) 2-Butanone              | 4.70  | 43   | 3709     | 1.531  | ug/l #  | 89       |
| 30) Chloroform              | 5.21  | 83   | 8735     | 1.693  | ug/l    | 95       |
| 43) Isopropyl Acetate       | 6.47  | 43   | 161686   | 26.032 | ug/l    | 99       |
| 95) Naphthalene             | 13.83 | 128  | 90315    | 7.305  | ug/l    | 99       |

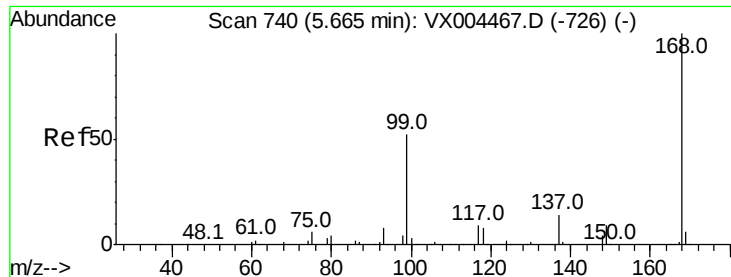
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091318\  
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Sample : J4873-06  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
NF-STONE

Quant Time: Sep 14 05:12:32 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 12 02:17:23 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004515.D

Acq: 13 Sep 2018 14:48

Instrument :

MSVOA\_X

ClientSampled :

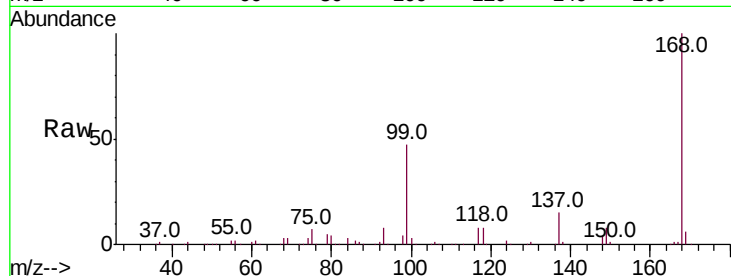
NF-STONE

Tot Ion:168 Resp: 241903

Ion Ratio Lower Upper

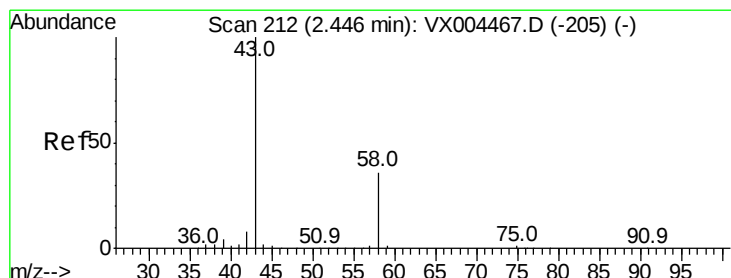
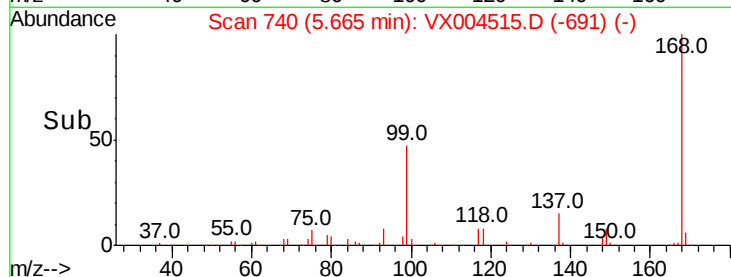
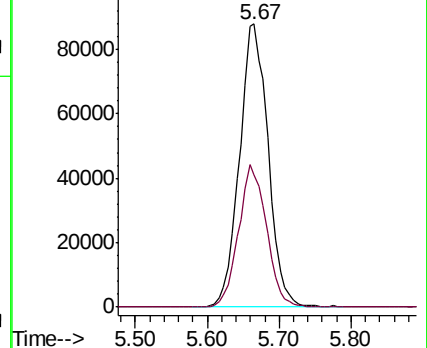
168 100

99 47.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 11.059 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004515.D

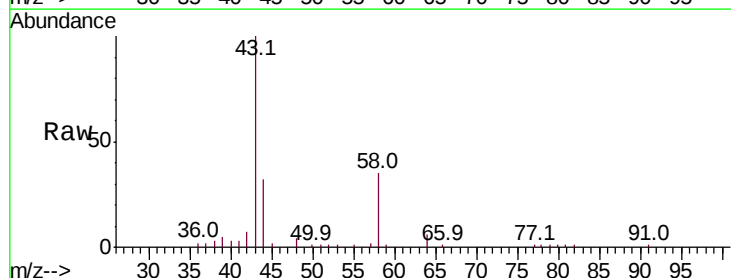
Acq: 13 Sep 2018 14:48

Tgt Ion: 43 Resp: 16836

Ion Ratio Lower Upper

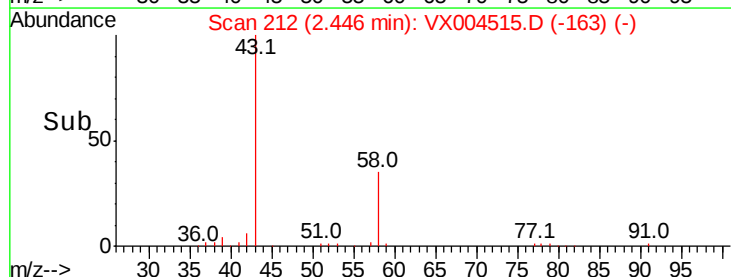
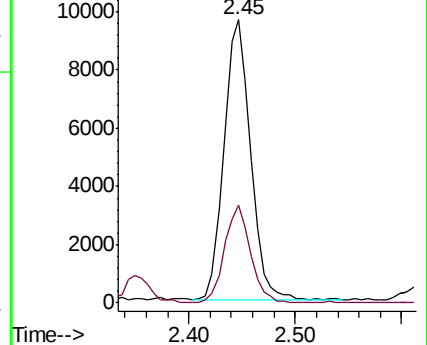
43 100

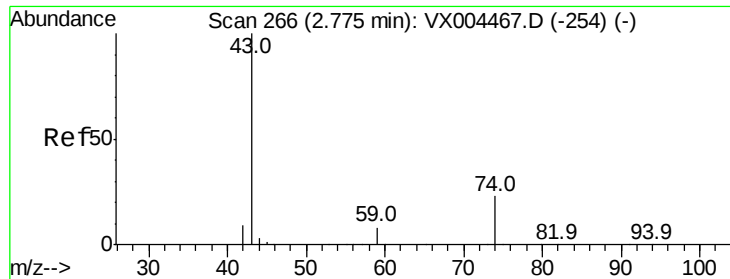
58 34.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

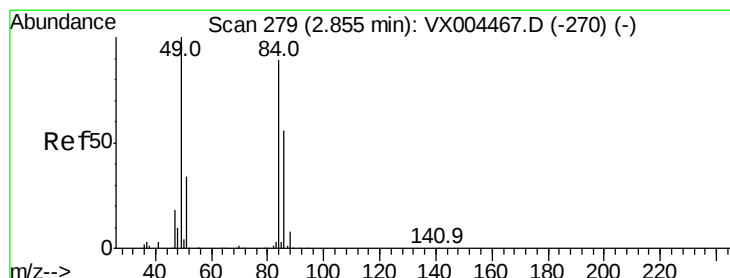
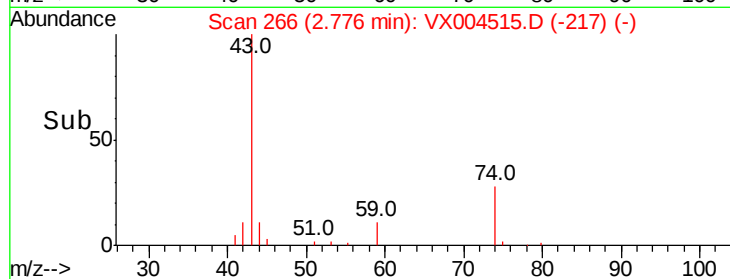
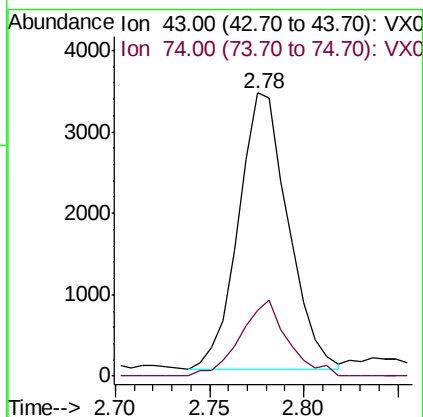
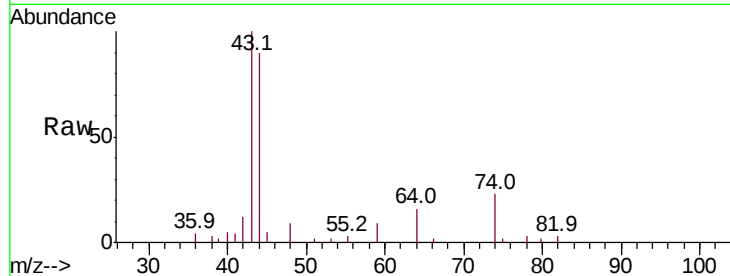




#18  
Methvl Acetate  
Concen: 1.452 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX004515.D  
Acq: 13 Sep 2018 14:48

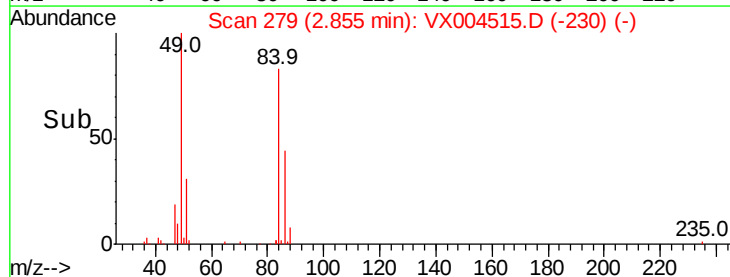
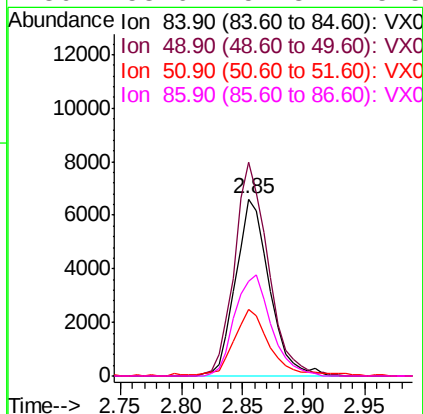
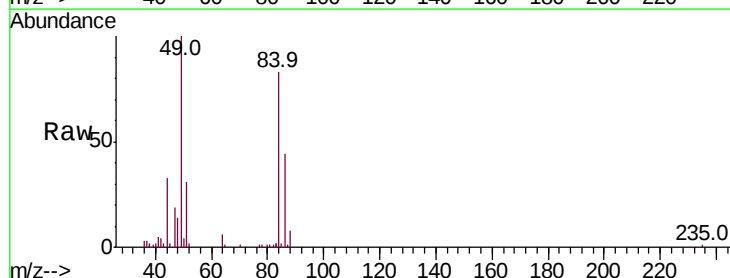
Instrument :  
MSVOA\_X  
ClientSampleId :  
NF-STONE

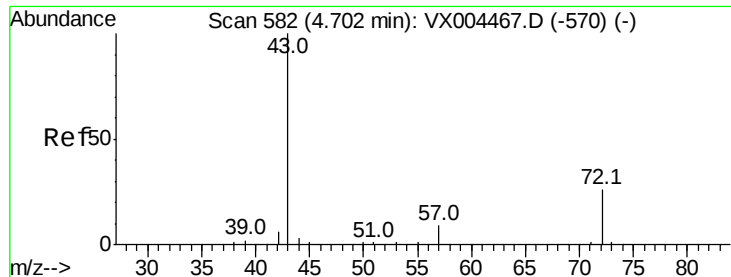
Tot Ion: 43 Resp: 6203  
Ion Ratio Lower Upper  
43 100  
74 26.1 19.4 29.2



#20  
Methylene Chloride  
Concen: 4.050 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX004515.D  
Acq: 13 Sep 2018 14:48

Tgt Ion: 84 Resp: 12647  
Ion Ratio Lower Upper  
84 100  
49 120.5 101.2 151.8  
51 37.0 29.5 44.3  
86 53.6 52.3 78.5





#25

2-Butanone

Concen: 1.531 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004515.D

Acq: 13 Sep 2018 14:48

Instrument :

MSVOA\_X

ClientSampleId :

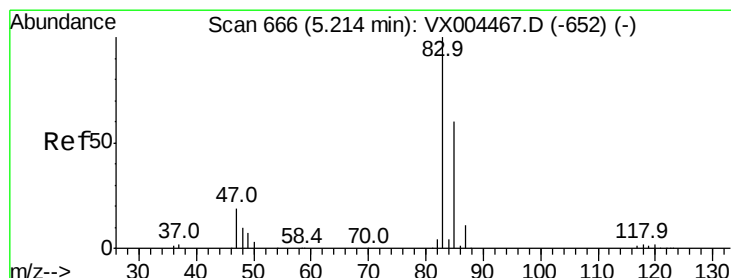
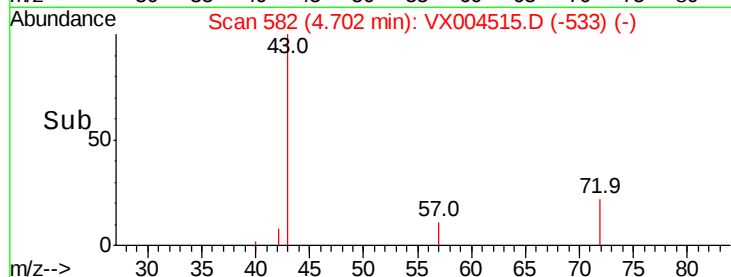
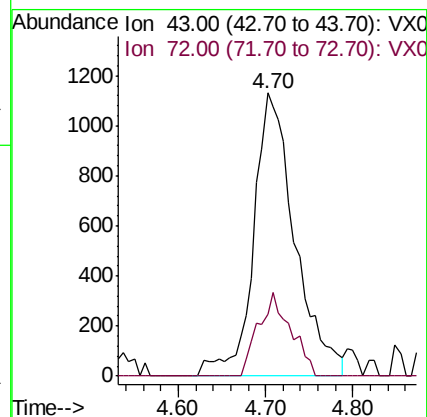
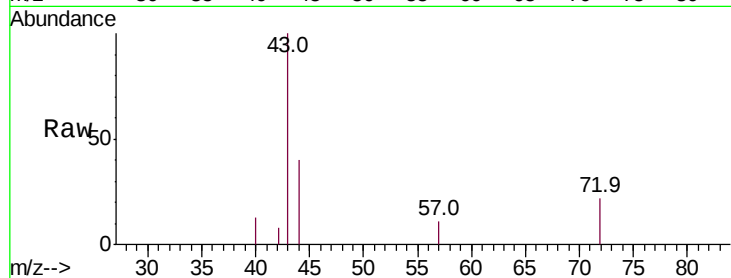
NF-STONE

Tot Ion: 43 Resp: 3709

Ion Ratio Lower Upper

43 100

72 21.7 22.0 33.0#



#30

Chloroform

Concen: 1.693 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX004515.D

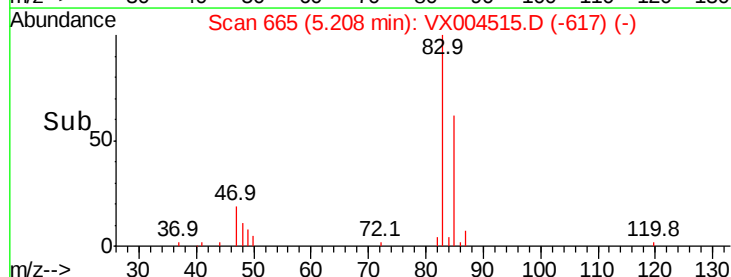
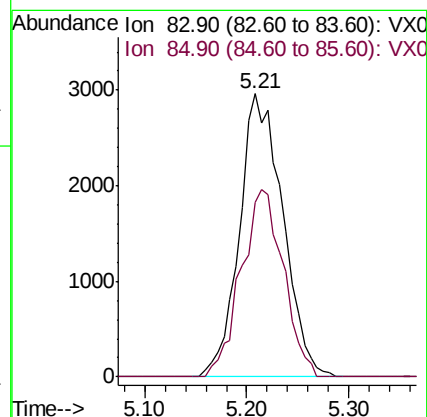
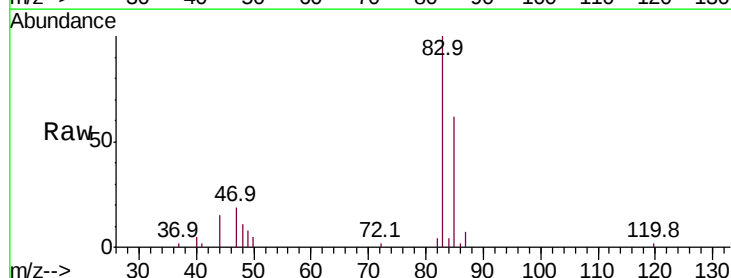
Acq: 13 Sep 2018 14:48

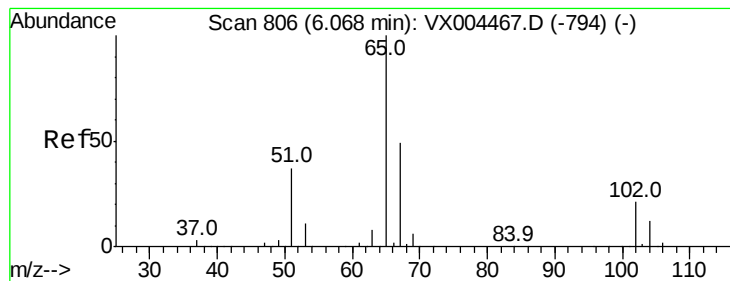
Tgt Ion: 83 Resp: 8735

Ion Ratio Lower Upper

83 100

85 61.6 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 52.300 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004515.D

Acq: 13 Sep 2018 14:48

Instrument :

MSVOA\_X

ClientSampleId :

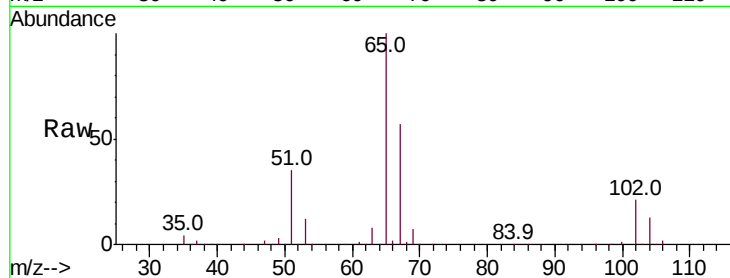
NF-STONE

Tot Ion: 65 Resp: 163130

Ion Ratio Lower Upper

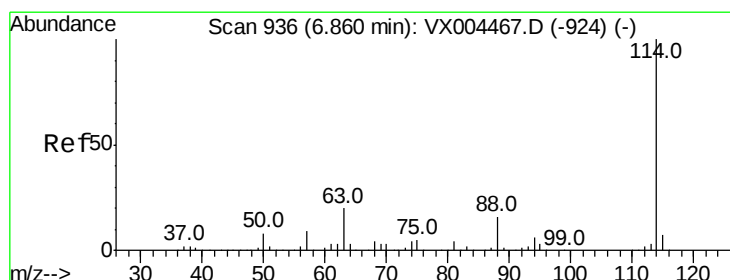
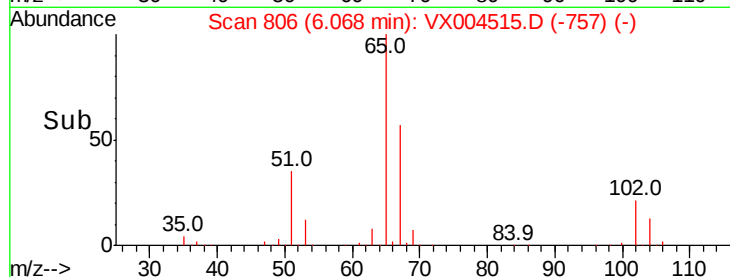
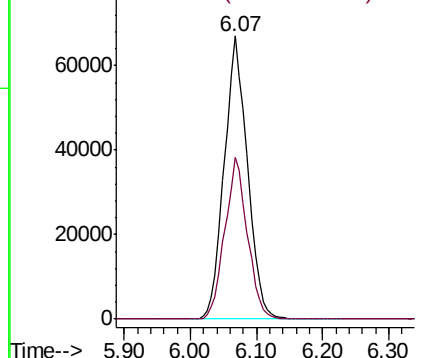
65 100

67 55.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004515.D

Acq: 13 Sep 2018 14:48

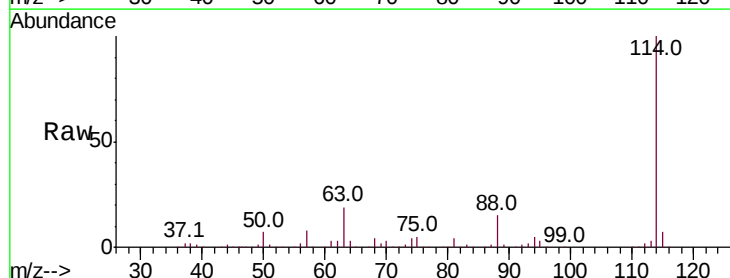
Tgt Ion:114 Resp: 338671

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.0

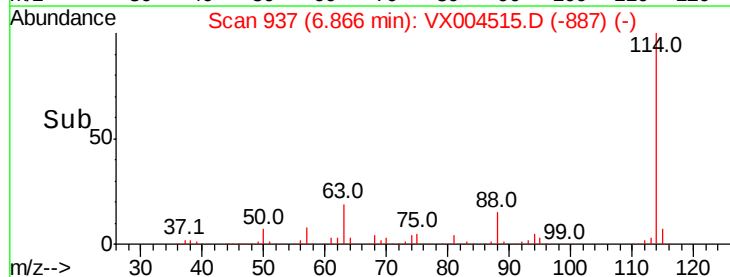
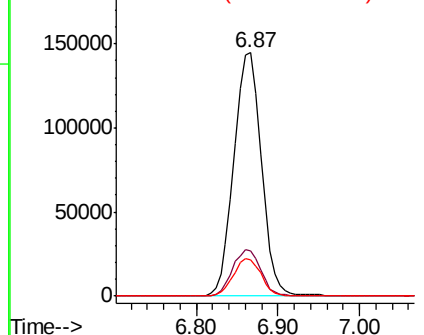
88 14.7 0.0 30.4

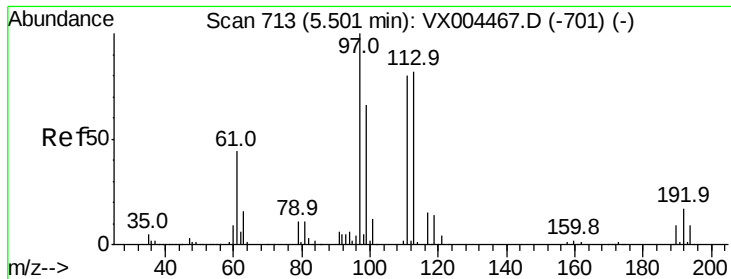


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.970 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004515.D

Acq: 13 Sep 2018 14:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
NF-STONE

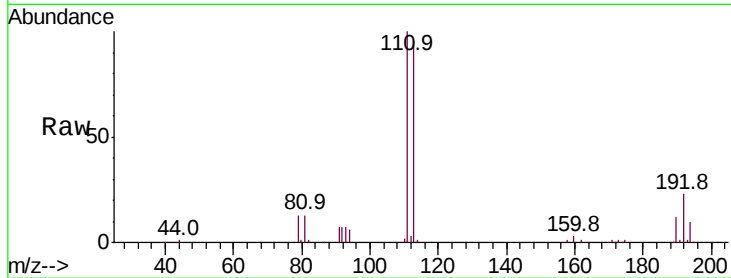
Tot Ion:113 Resp: 145566

Ion Ratio Lower Upper

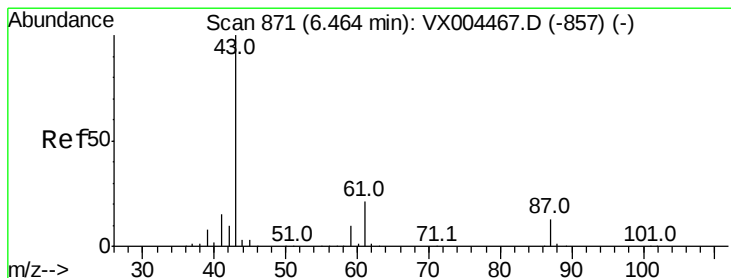
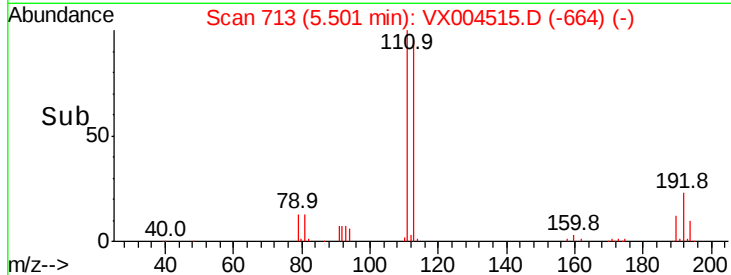
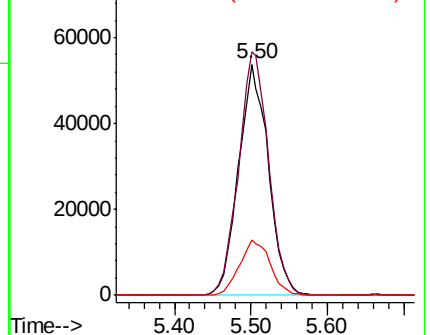
113 100

111 106.0 82.4 123.6

192 24.7 19.4 29.2



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



#43

Isopropyl Acetate

Concen: 26.032 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX004515.D

Acq: 13 Sep 2018 14:48

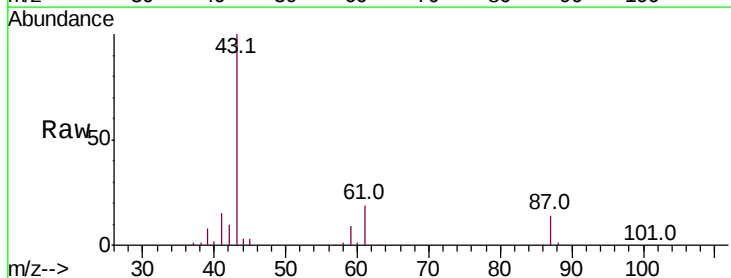
Tgt Ion: 43 Resp: 161686

Ion Ratio Lower Upper

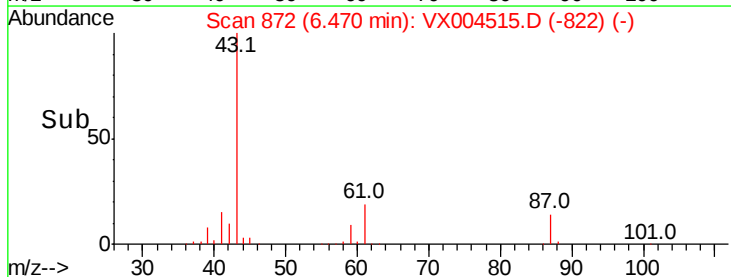
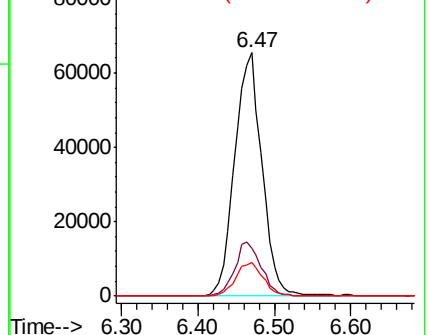
43 100

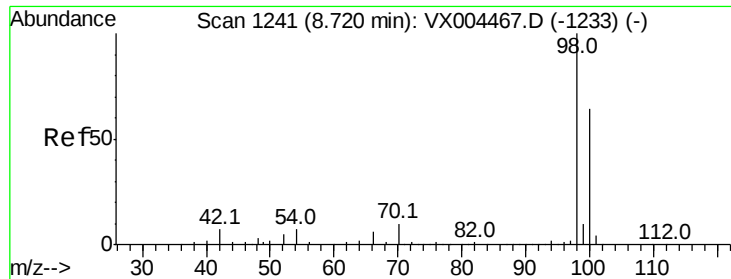
61 21.5 17.0 25.4

87 13.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 61.00 (60.70 to 61.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0

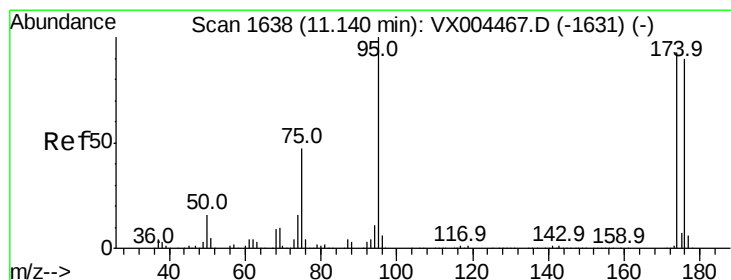
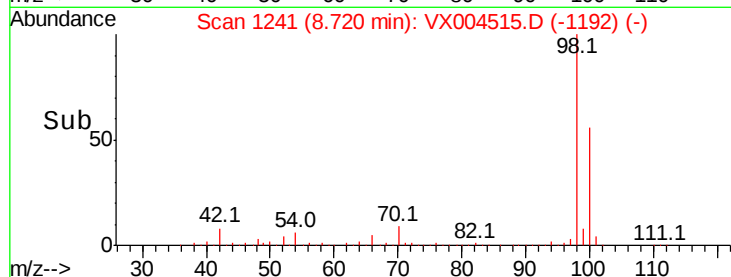
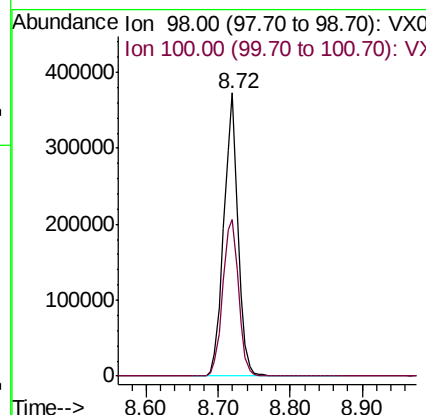
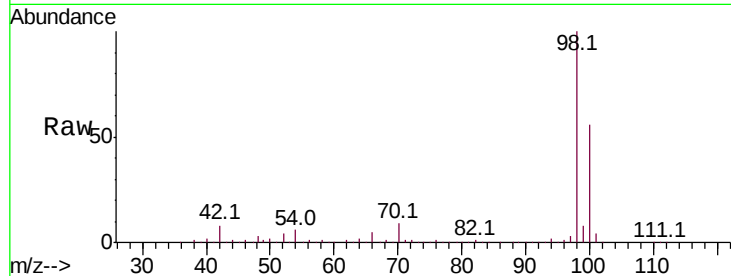




#50  
Toluene-d8  
Concen: 48.707 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VX004515.D  
Acq: 13 Sep 2018 14:48

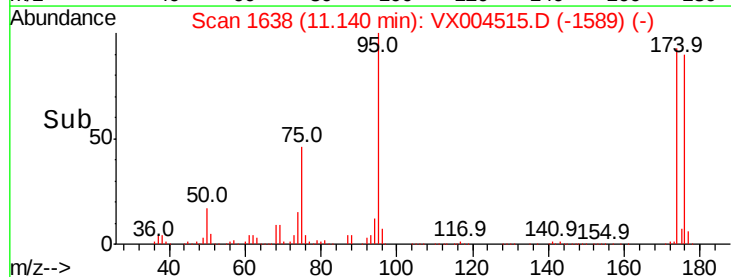
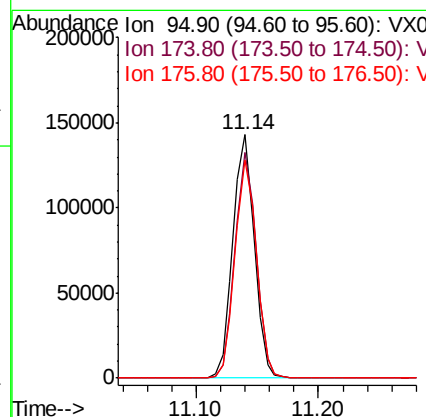
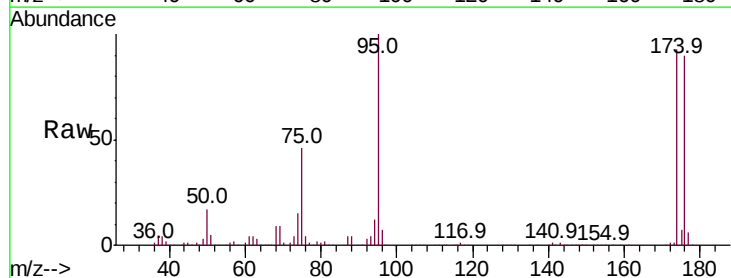
Instrument :  
MSVOA\_X  
ClientSampleId :  
NF-STONE

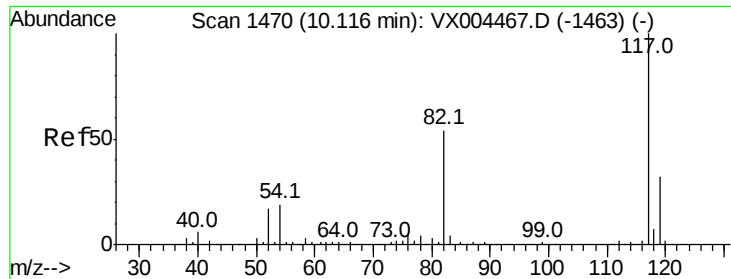
Tot Ion: 98 Resp: 506219  
Ion Ratio Lower Upper  
98 100  
100 61.7 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 46.816 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.00 min  
Lab File: VX004515.D  
Acq: 13 Sep 2018 14:48

Tgt Ion: 95 Resp: 173680  
Ion Ratio Lower Upper  
95 100  
174 92.1 0.0 185.2  
176 89.5 0.0 178.6

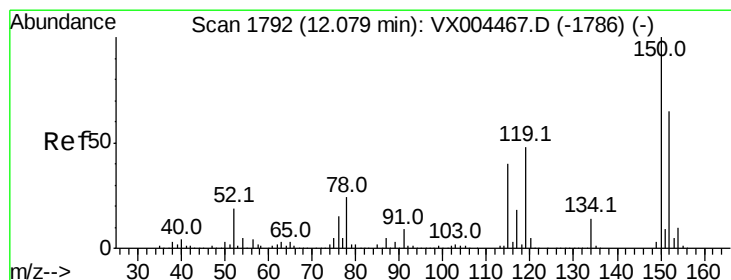
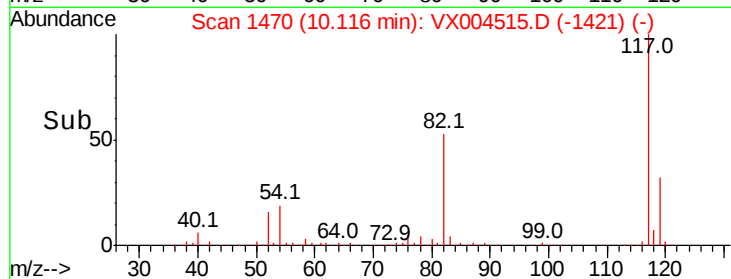
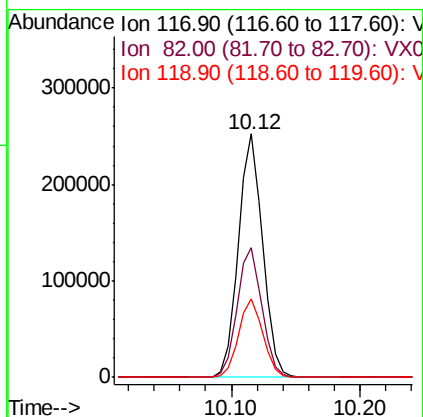
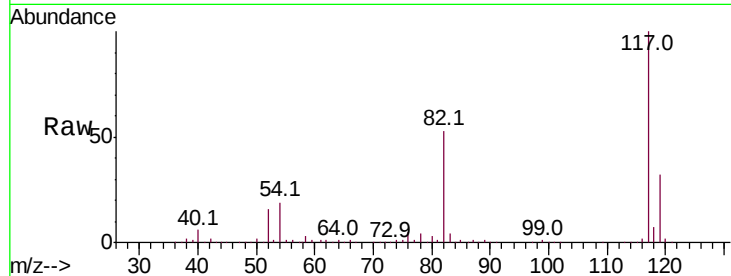




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004515.D  
Acq: 13 Sep 2018 14:48

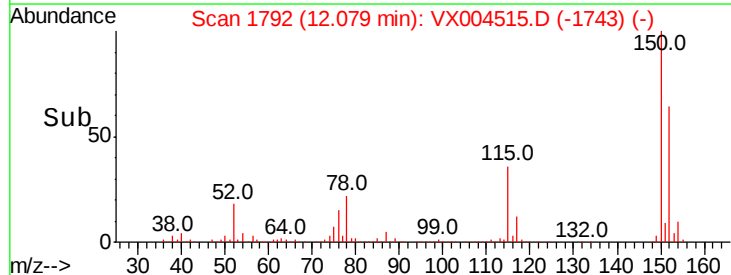
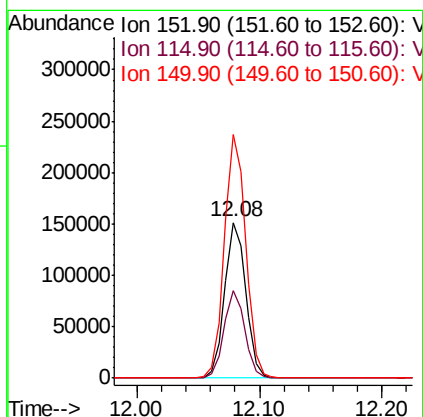
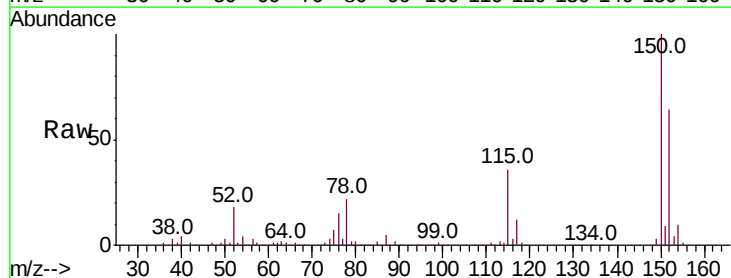
Instrument :  
MSVOA\_X  
ClientSampleId :  
NF-STONE

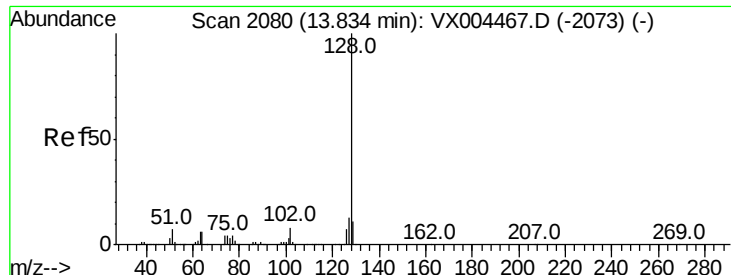
Tot Ion:117 Resp: 330181  
Ion Ratio Lower Upper  
117 100  
82 53.2 47.8 71.6  
119 32.1 29.3 43.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX004515.D  
Acq: 13 Sep 2018 14:48

Tgt Ion:152 Resp: 181088  
Ion Ratio Lower Upper  
152 100  
115 55.8 39.0 117.0  
150 157.5 0.0 351.0





#95

Naphthalene

Concen: 7.305 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004515.D

Acq: 13 Sep 2018 14:48

Instrument :

MSVOA\_X

ClientSampleId :

NF-STONE

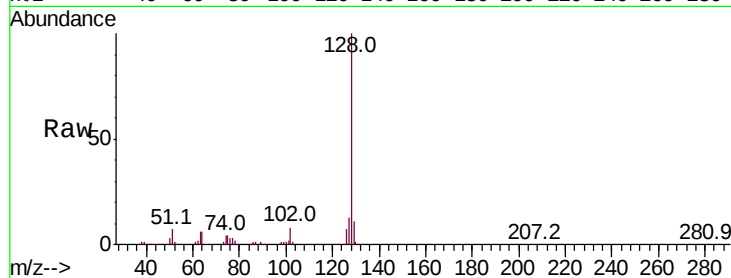
Tot Ion:128 Resp: 90315

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

100000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

