

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\  
 Data File : VX004685.D  
 Acq On : 19 Sep 2018 04:16  
 Operator : JC/MD  
 Sample : J4773-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-01-091418-E

Quant Time: Sep 19 09:09:52 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  | 234864   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 346815   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 313537   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 209102   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 146495   | 48.37 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.74% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 138352   | 43.59 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.18% |      |
| 50) Toluene-d8              | 8.71   | 98  | 459174   | 43.14 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.28% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 165896   | 43.67 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.34% |      |

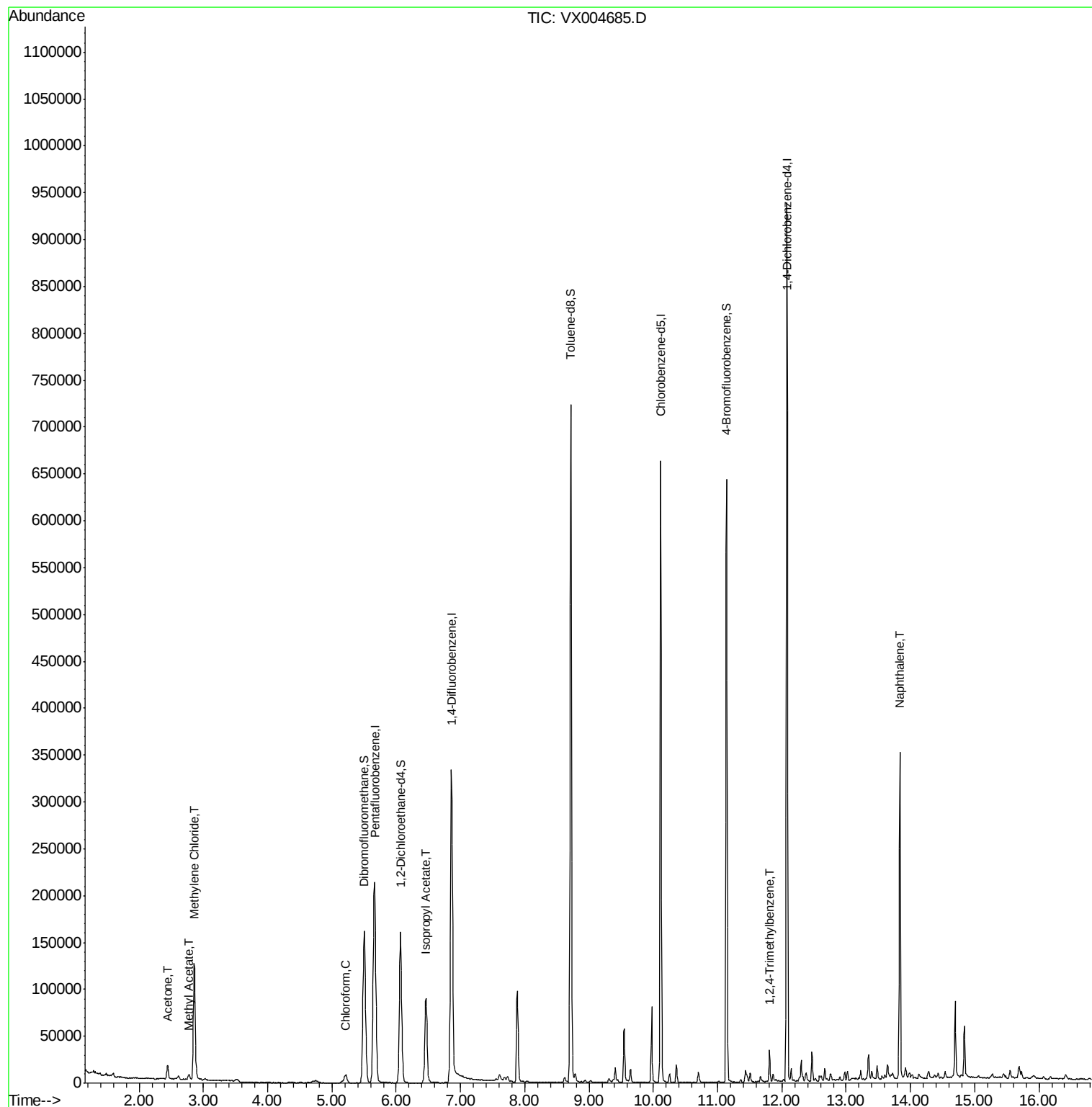
| Target Compounds           |       |     |        |       |      | Qvalue |
|----------------------------|-------|-----|--------|-------|------|--------|
| 16) Acetone                | 2.44  | 43  | 15485  | 10.48 | ug/l | 95     |
| 18) Methyl Acetate         | 2.78  | 43  | 5637   | 1.36  | ug/l | 98     |
| 20) Methylene Chloride     | 2.85  | 84  | 63015  | 20.78 | ug/l | 90     |
| 30) Chloroform             | 5.22  | 83  | 10256  | 2.05  | ug/l | 93     |
| 43) Isopropyl Acetate      | 6.46  | 43  | 115731 | 18.20 | ug/l | 99     |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 15906  | 1.35  | ug/l | 96     |
| 95) Naphthalene            | 13.83 | 128 | 222460 | 15.58 | ug/l | 99     |

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

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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: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004685.D

Acq: 19 Sep 2018 04:16

Instrument :

MSVOA\_X

ClientSampleId :

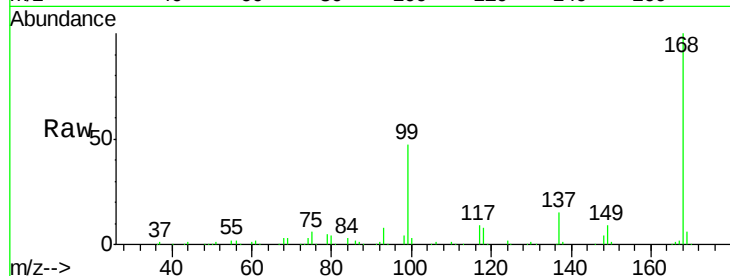
CL-01-091418-E

Tot Ion:168 Resp: 234864

Ion Ratio Lower Upper

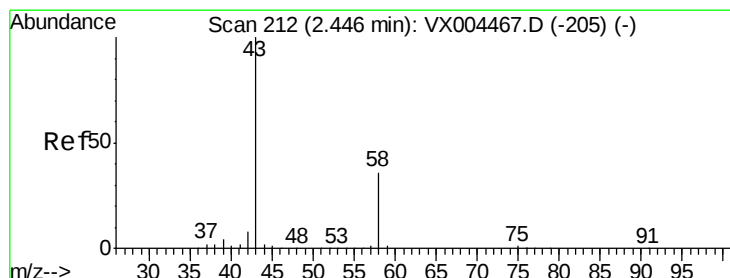
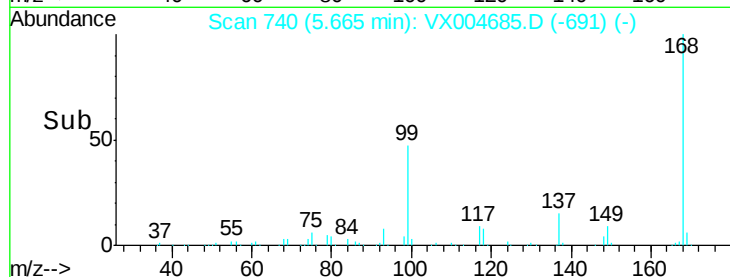
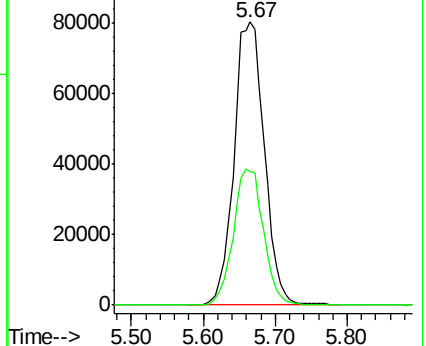
168 100

99 47.1 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: 10.48 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004685.D

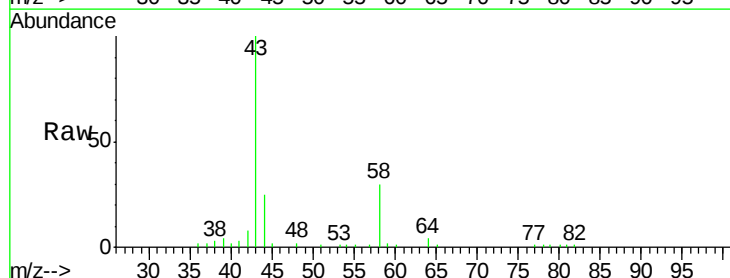
Acq: 19 Sep 2018 04:16

Tgt Ion: 43 Resp: 15485

Ion Ratio Lower Upper

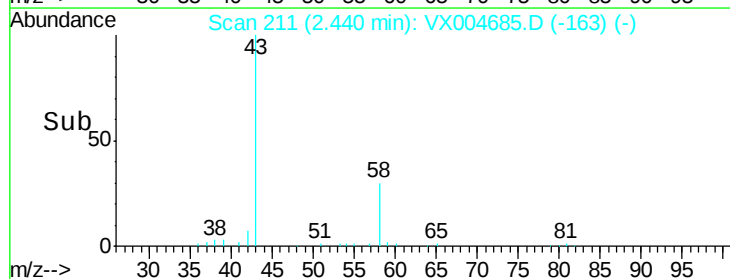
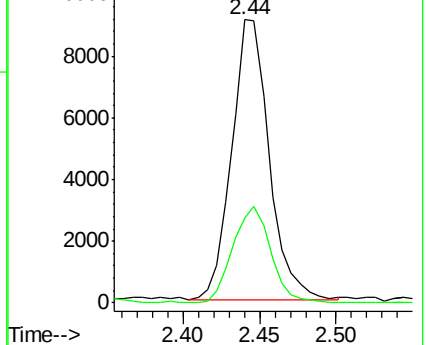
43 100

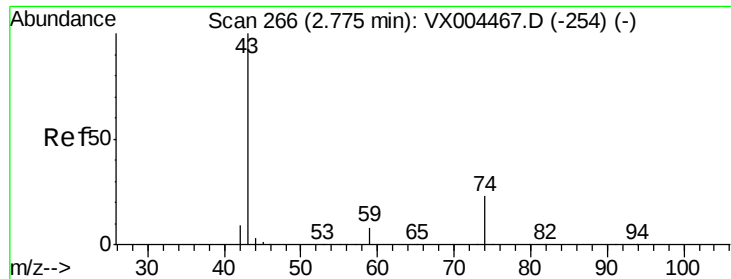
58 30.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

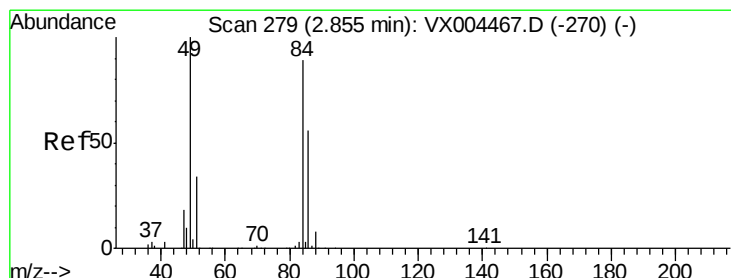
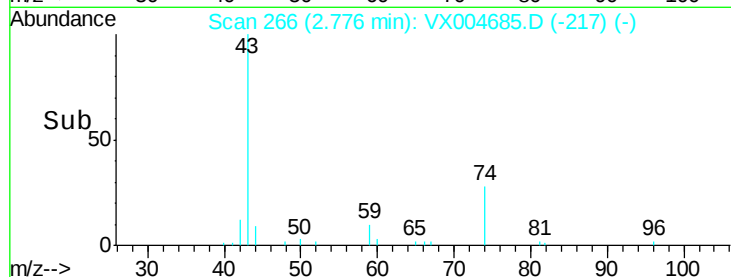
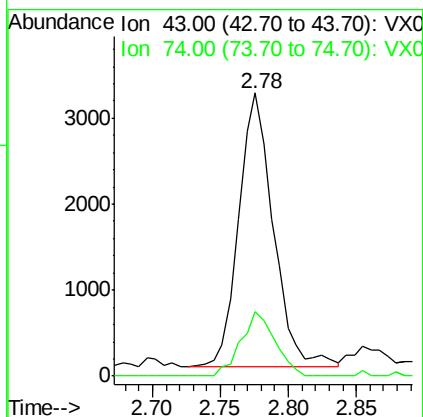
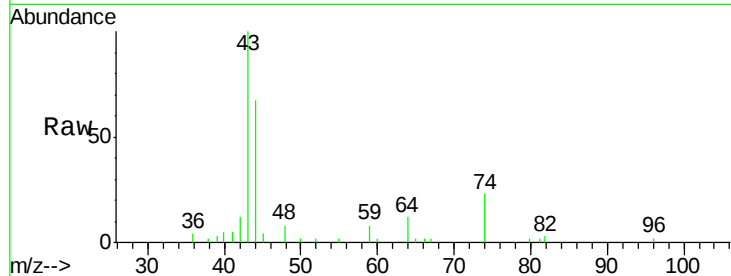




#18  
Methyl Acetate  
Concen: 1.36 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX004685.D  
Acq: 19 Sep 2018 04:16

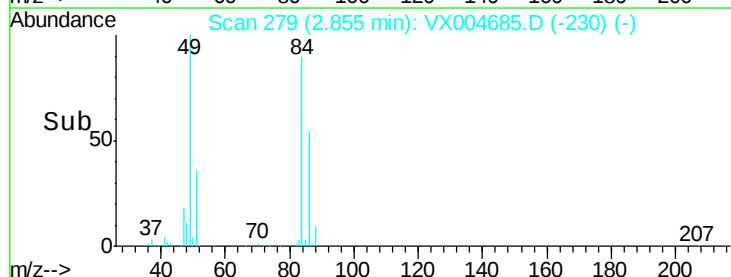
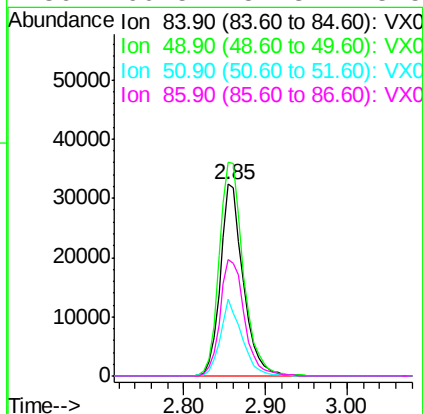
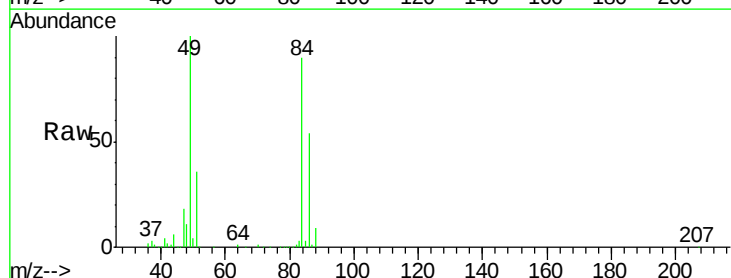
Instrument :  
MSVOA\_X  
ClientSampled :  
CL-01-091418-E

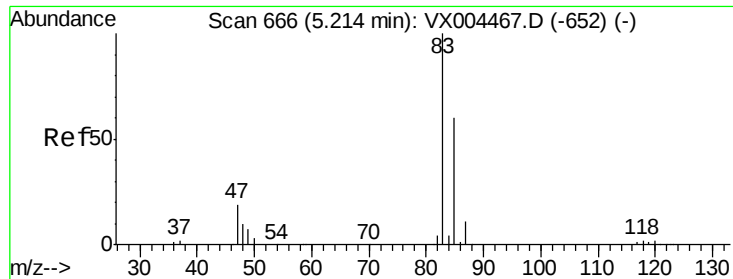
Tot Ion: 43 Resp: 5637  
Ion Ratio Lower Upper  
43 100  
74 23.4 19.4 29.2



#20  
Methylene Chloride  
Concen: 20.78 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX004685.D  
Acq: 19 Sep 2018 04:16

Tgt Ion: 84 Resp: 63015  
Ion Ratio Lower Upper  
84 100  
49 111.4 101.2 151.8  
51 40.1 29.5 44.3  
86 60.5 52.3 78.5

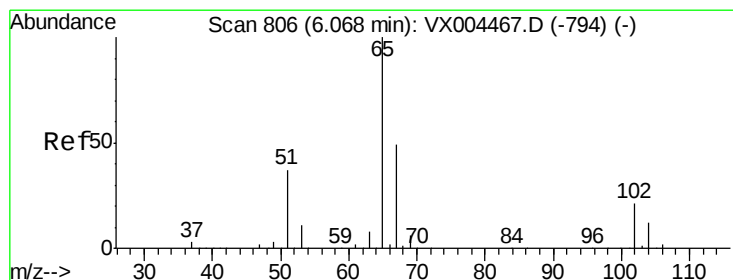
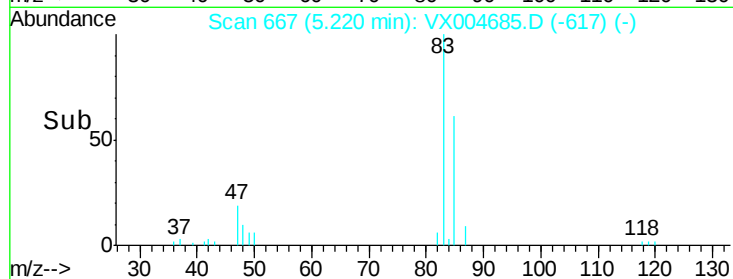
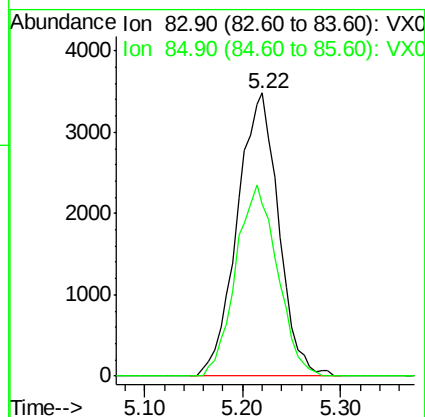
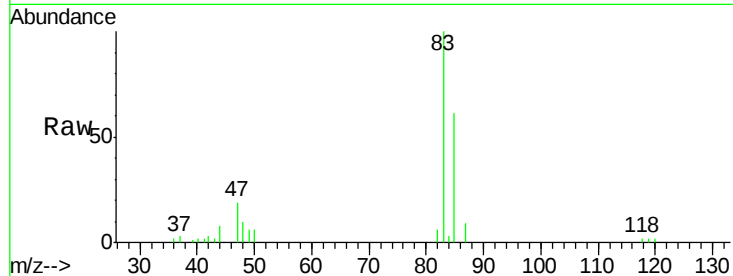




#30  
Chloroform  
Concen: 2.05 ug/l  
RT: 5.22 min Scan# 667  
Delta R.T. 0.01 min  
Lab File: VX004685.D  
Acq: 19 Sep 2018 04:16

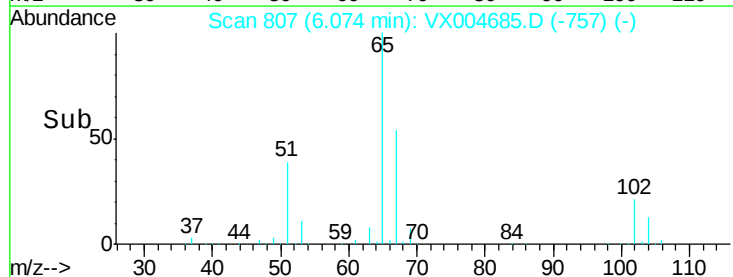
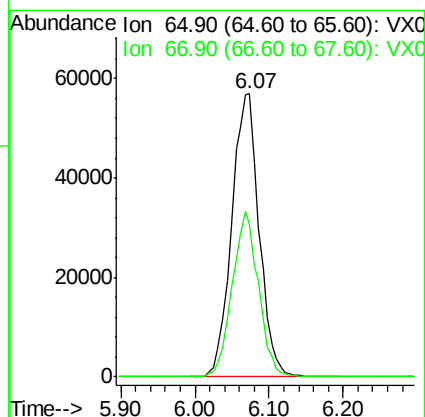
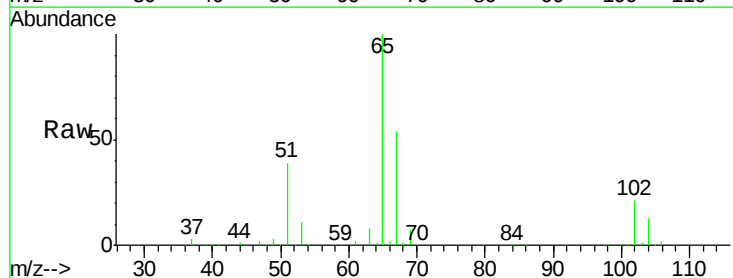
Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-01-091418-E

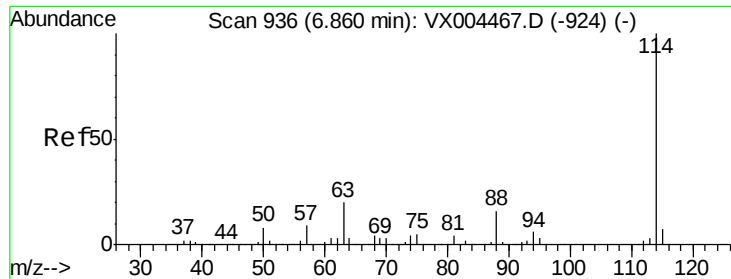
Tot Ion: 83 Resp: 10256  
Ion Ratio Lower Upper  
83 100  
85 60.6 52.6 79.0



#33  
1,2-Dichloroethane-d4  
Concen: 48.37 ug/l  
RT: 6.07 min Scan# 807  
Delta R.T. 0.01 min  
Lab File: VX004685.D  
Acq: 19 Sep 2018 04:16

Tgt Ion: 65 Resp: 146495  
Ion Ratio Lower Upper  
65 100  
67 56.0 0.0 106.8

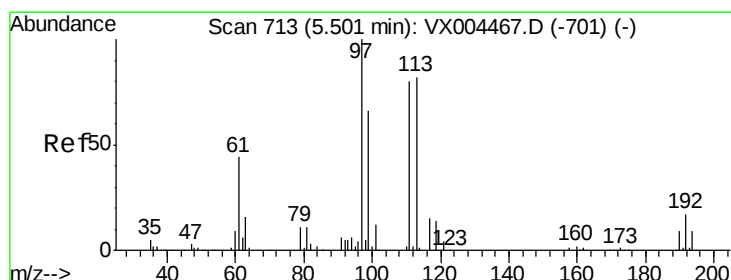
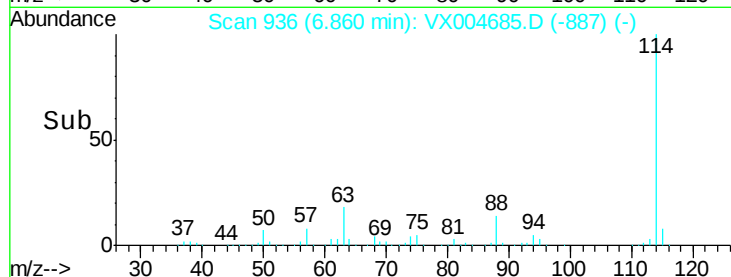
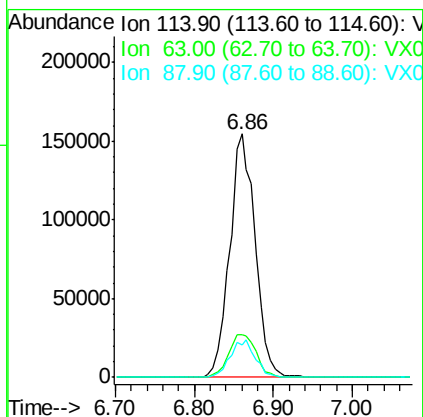
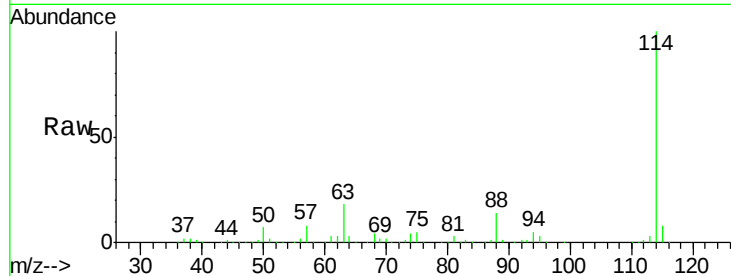




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX004685.D  
 Acq: 19 Sep 2018 04:16

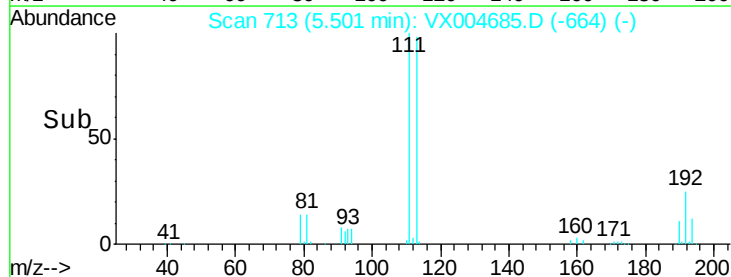
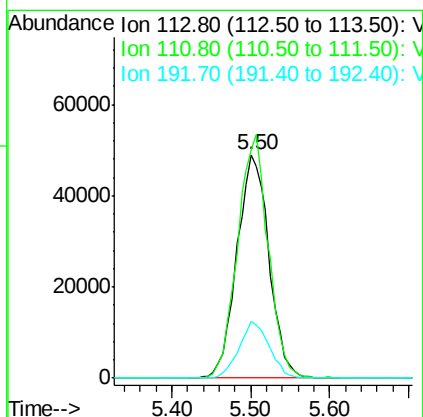
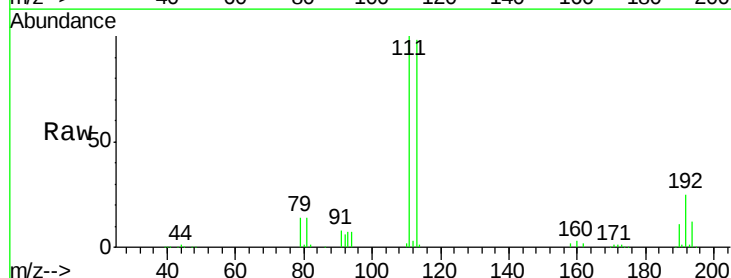
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-01-091418-E

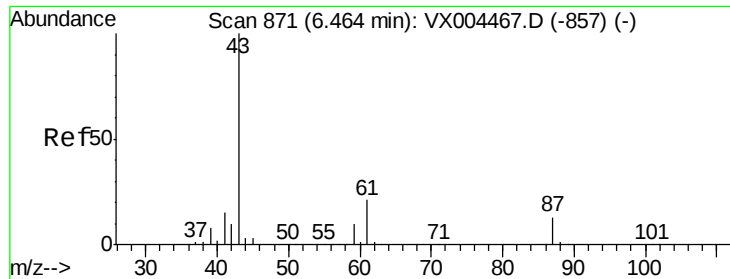
Tot Ion:114 Resp: 346815  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 39.0  
 88 13.5 0.0 30.4



#35  
 Dibromofluoromethane  
 Concen: 43.59 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX004685.D  
 Acq: 19 Sep 2018 04:16

Tgt Ion:113 Resp: 138352  
 Ion Ratio Lower Upper  
 113 100  
 111 104.3 82.4 123.6  
 192 24.2 19.4 29.2



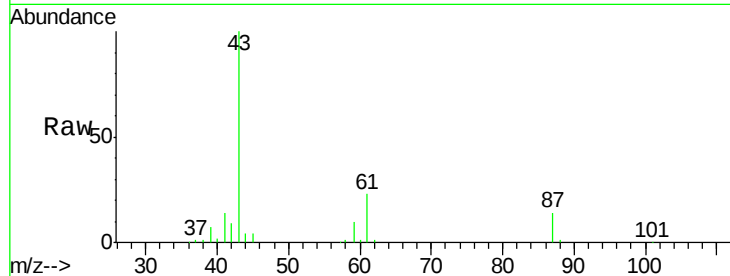


#43

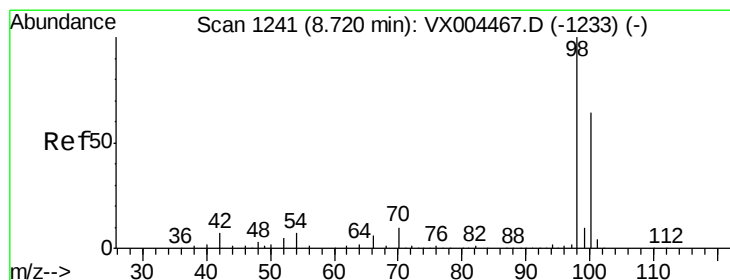
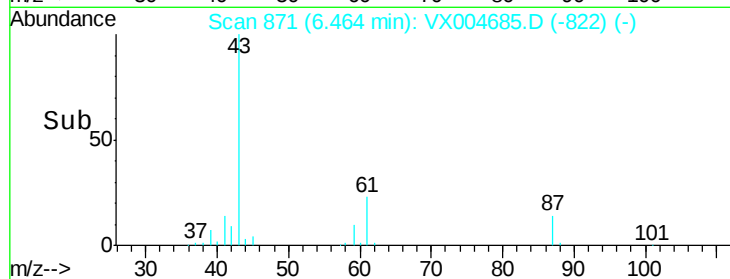
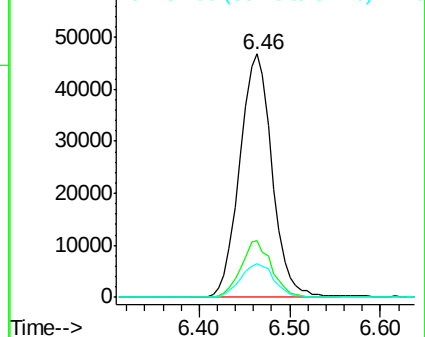
Isopropyl Acetate  
 Concen: 18.20 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. 0.00 min  
 Lab File: VX004685.D  
 Acq: 19 Sep 2018 04:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-01-091418-E

Tot Ion: 43 Resp: 115731  
 Ion Ratio Lower Upper  
 43 100  
 61 22.1 17.0 25.4  
 87 14.3 11.4 17.2



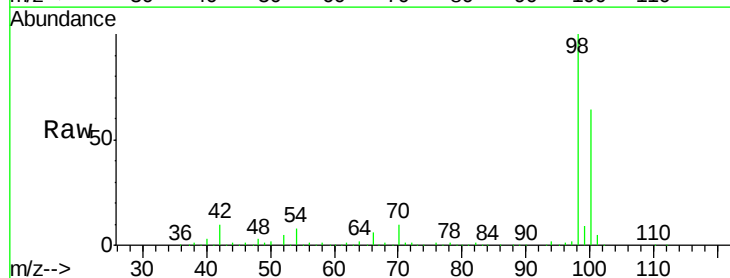
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



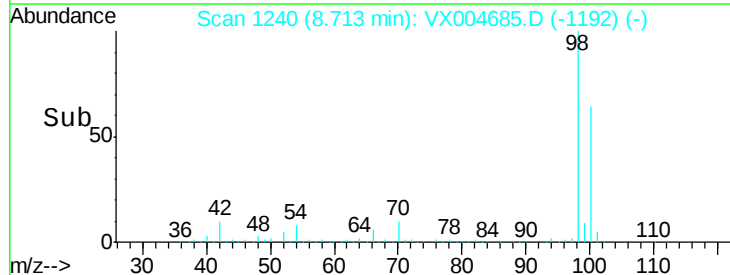
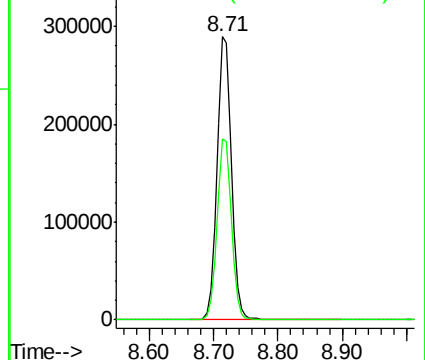
#50

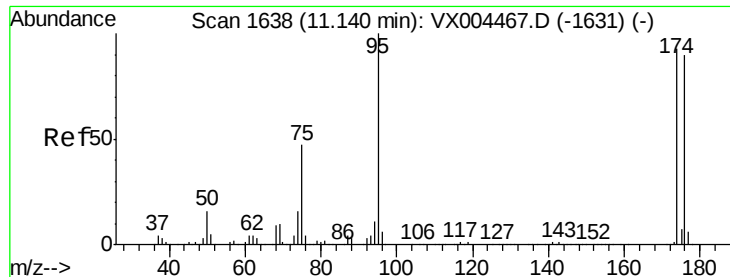
Toluene-d8  
 Concen: 43.14 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.01 min  
 Lab File: VX004685.D  
 Acq: 19 Sep 2018 04:16

Tgt Ion: 98 Resp: 459174  
 Ion Ratio Lower Upper  
 98 100  
 100 63.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): VX0

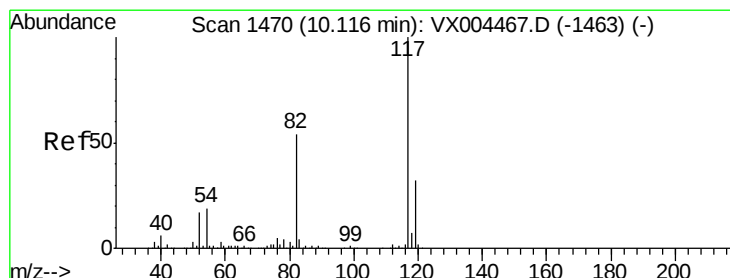
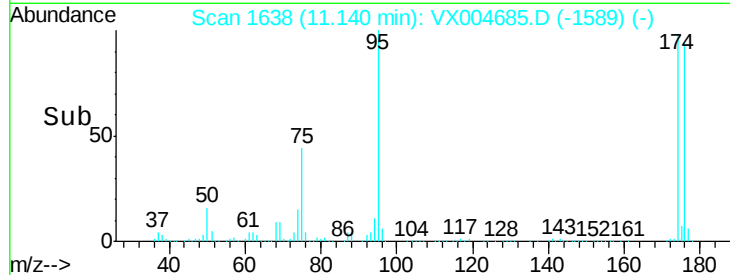
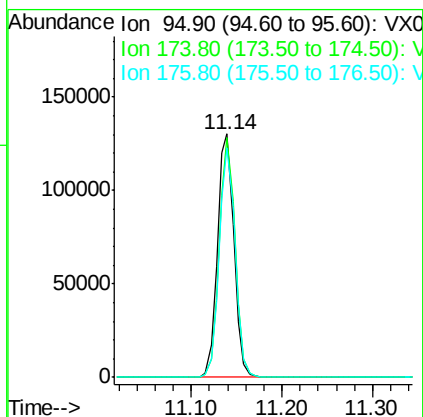
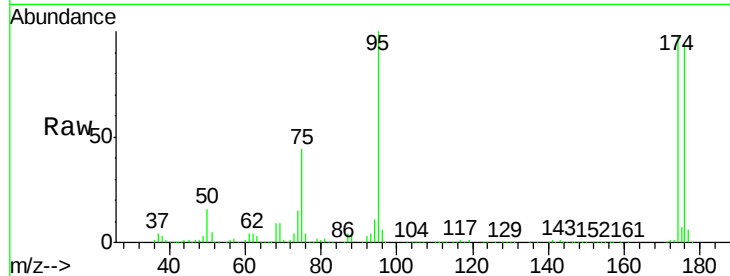




#62  
4-Bromofluorobenzene  
Concen: 43.67 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.00 min  
Lab File: VX004685.D  
Acq: 19 Sep 2018 04:16

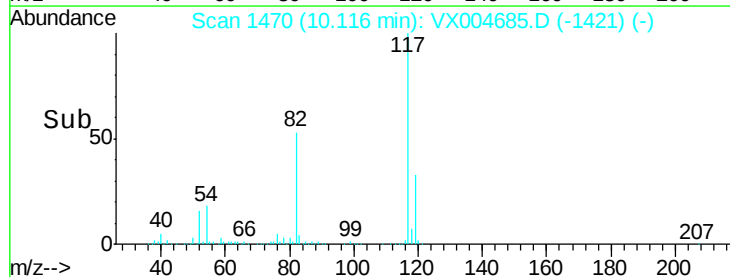
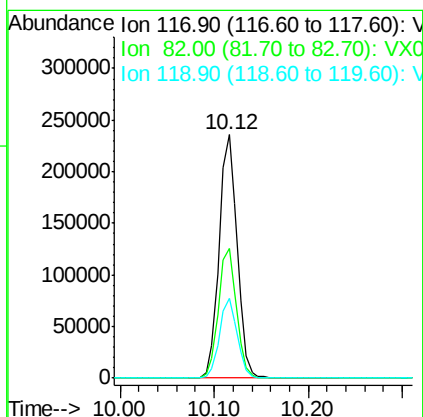
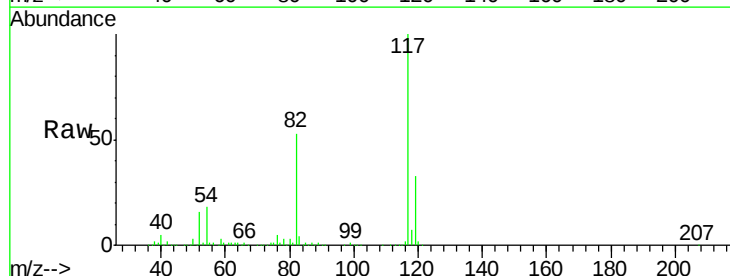
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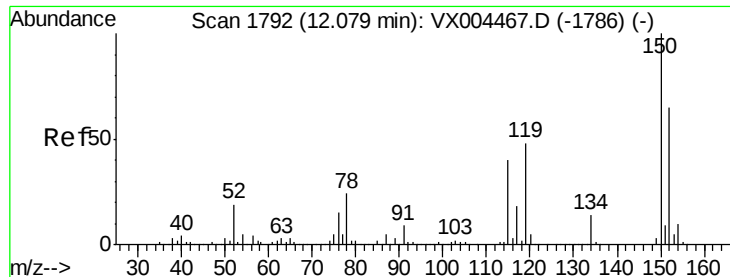
Tot Ion: 95 Resp: 165896  
Ion Ratio Lower Upper  
95 100  
174 94.6 0.0 185.2  
176 91.5 0.0 178.6



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004685.D  
Acq: 19 Sep 2018 04:16

Tgt Ion: 117 Resp: 313537  
Ion Ratio Lower Upper  
117 100  
82 53.3 47.8 71.6  
119 32.6 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004685.D

Acq: 19 Sep 2018 04:16

Instrument :

MSVOA\_X

ClientSampleId :

CL-01-091418-E

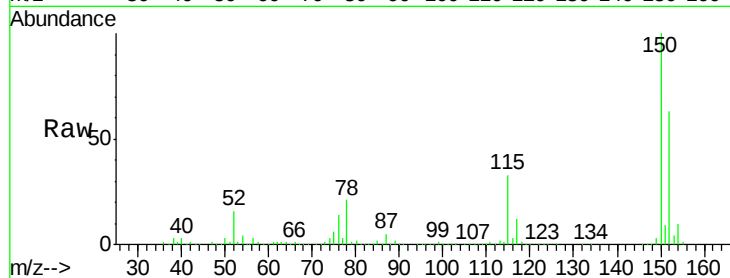
Tot Ion:152 Resp: 209102

Ion Ratio Lower Upper

152 100

115 50.7 39.0 117.0

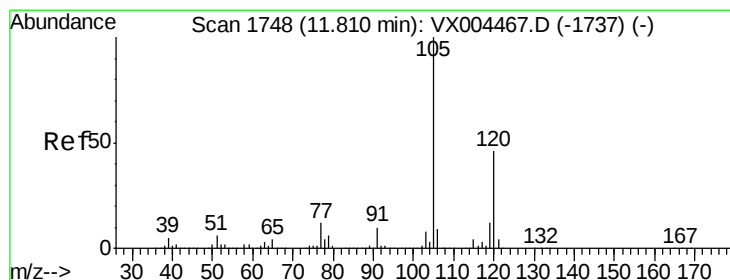
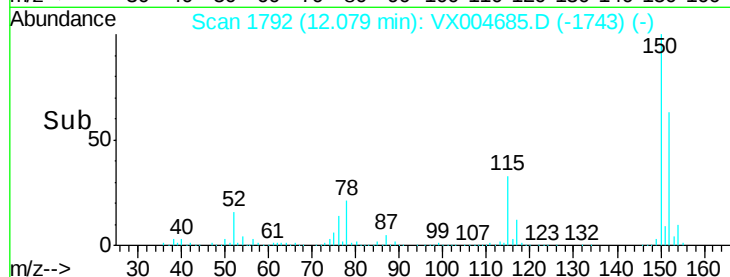
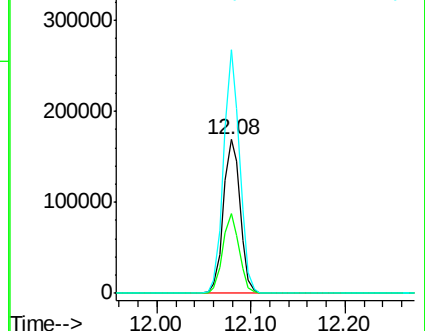
150 150.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 1.35 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004685.D

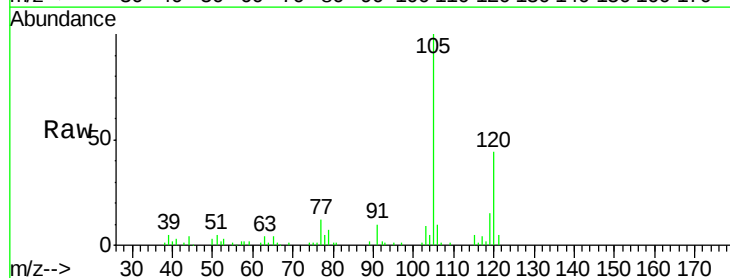
Acq: 19 Sep 2018 04:16

Tgt Ion:105 Resp: 15906

Ion Ratio Lower Upper

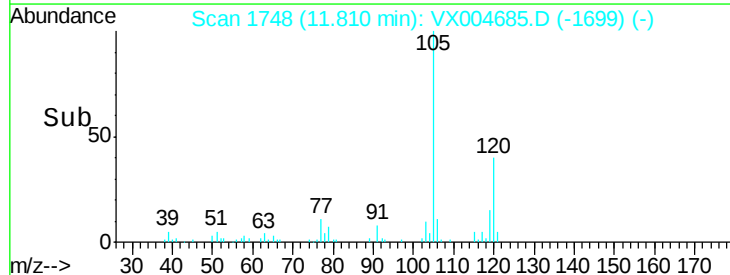
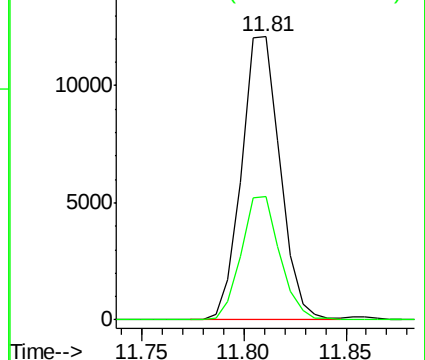
105 100

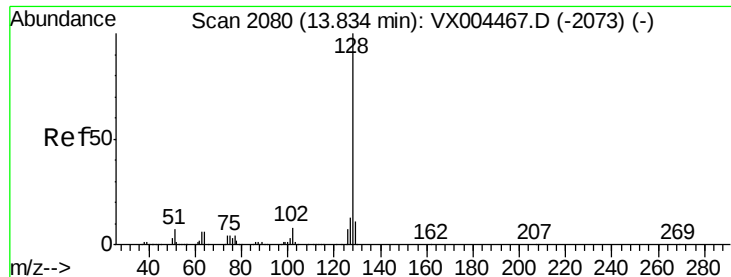
120 43.8 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

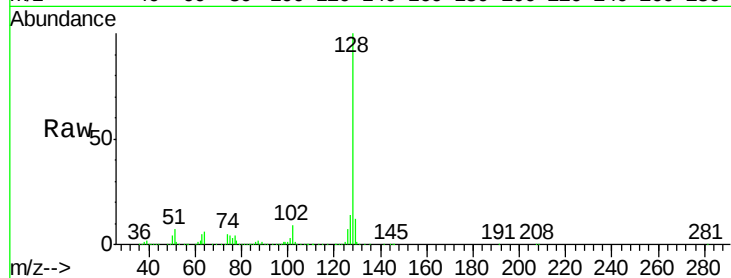




#95  
Naphthalene  
Concen: 15.58 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX004685.D  
Acq: 19 Sep 2018 04:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-01-091418-E

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.2  | 15.2  |
| 129     | 11.0  | 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

