

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121420\  
 Data File : VX019995.D  
 Acq On : 14 Dec 2020 18:35  
 Operator : JC/MD  
 Sample : L5039-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 JBD-WC-SB-01

Quant Time: Dec 15 02:01:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 04 15:32:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 315327   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 524827   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.09 | 117  | 494744   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 211904   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 6.03  | 65       | 202138   | 48.77 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =     | 97.54% |          |
| 35) Dibromofluoromethane    |        | 5.46  | 113      | 162433   | 47.89 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =     | 95.78% |          |
| 50) Toluene-d8              |        | 8.70  | 98       | 646031   | 49.89 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =     | 99.78% |          |
| 62) 4-Bromofluorobenzene    |        | 11.12 | 95       | 229429   | 46.55 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =     | 93.10% |          |

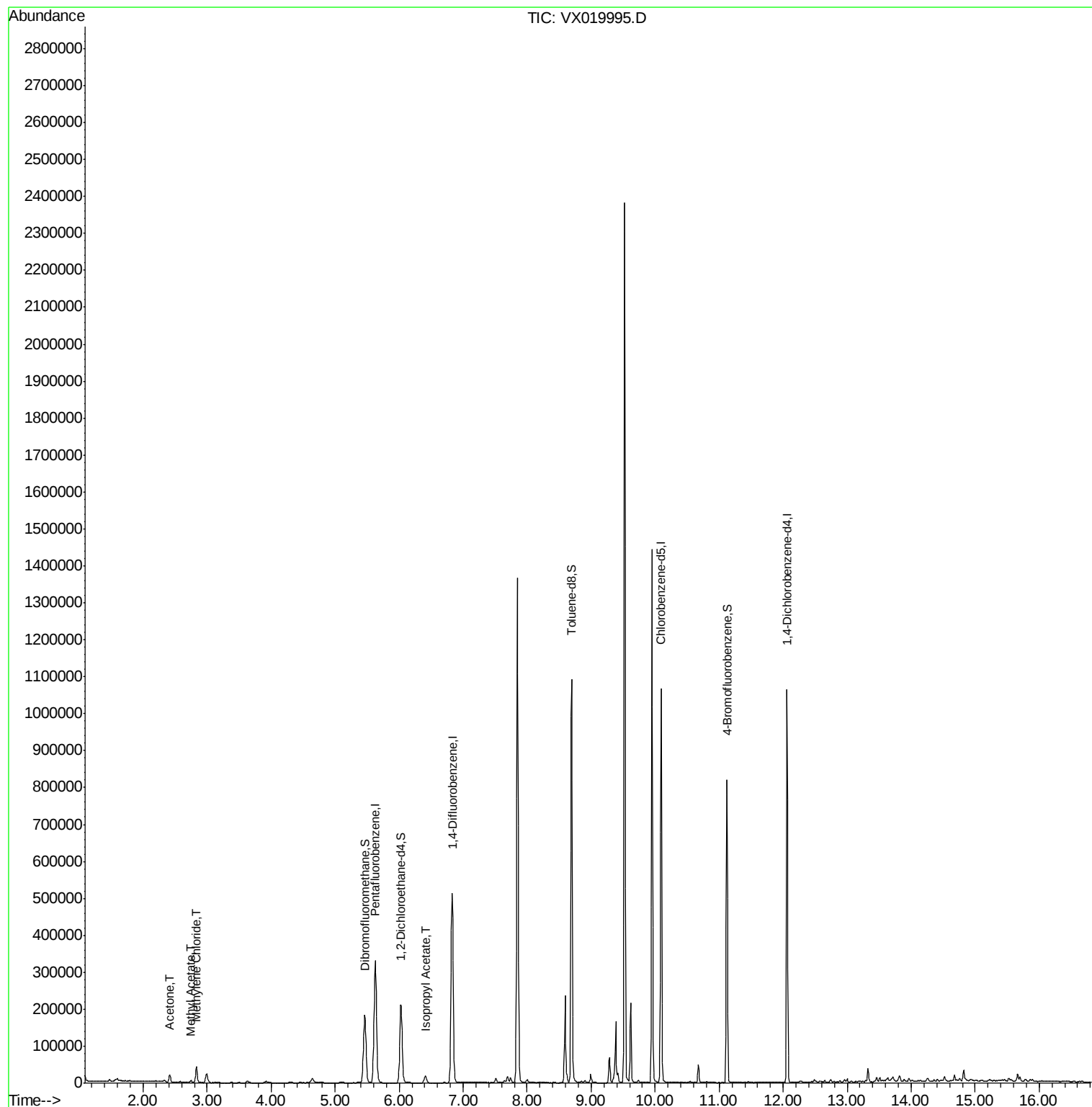
| Target Compounds       | R.T. | QIon | Response | Conc   | Units | Qvalue |
|------------------------|------|------|----------|--------|-------|--------|
| 16) Acetone            | 2.42 | 43   | 21889    | 14.052 | ug/l  | 98     |
| 18) Methyl Acetate     | 2.75 | 43   | 7024     | 1.843  | ug/l  | 96     |
| 20) Methylene Chloride | 2.83 | 84   | 19885    | 4.291  | ug/l  | 97     |
| 43) Isopropyl Acetate  | 6.41 | 43   | 23998    | 3.083  | ug/l  | 99     |

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

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Sample : L5039-03  
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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
JBD-WC-SB-01

Quant Time: Dec 15 02:01:13 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 04 15:32:53 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019995.D

Acq: 14 Dec 2020 18:35

Instrument :

MSVOA\_X

ClientSampleId :

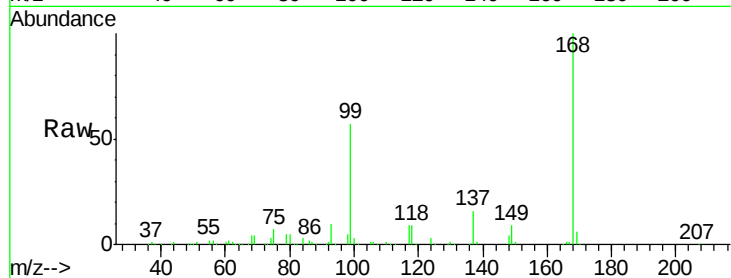
JBD-WC-SB-01

Tot Ion:168 Resp: 315327

Ion Ratio Lower Upper

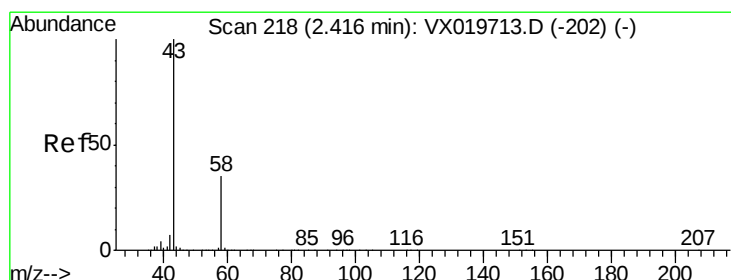
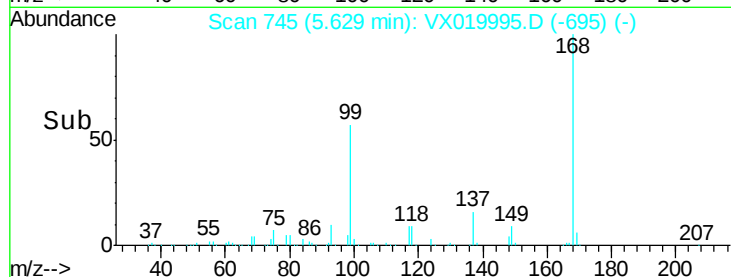
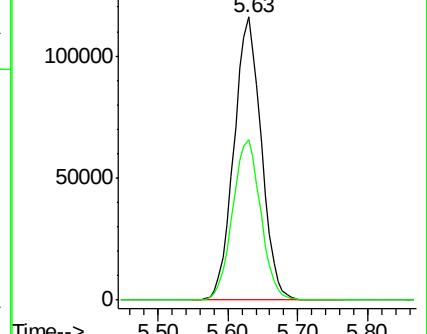
168 100

99 56.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 14.052 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019995.D

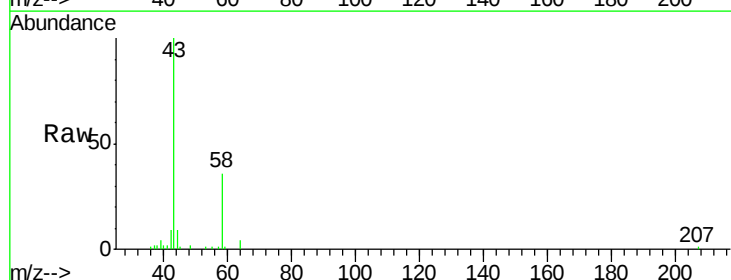
Acq: 14 Dec 2020 18:35

Tgt Ion: 43 Resp: 21889

Ion Ratio Lower Upper

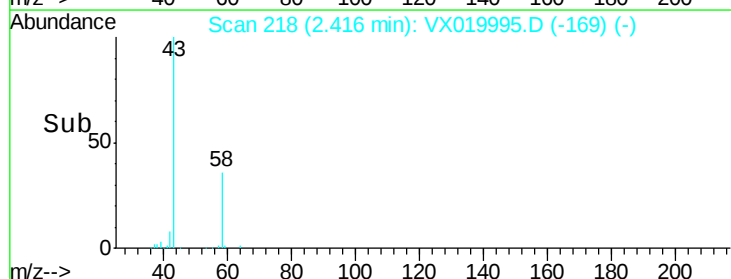
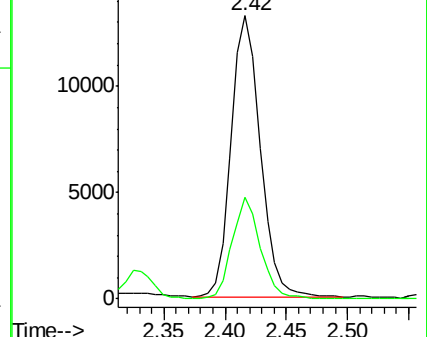
43 100

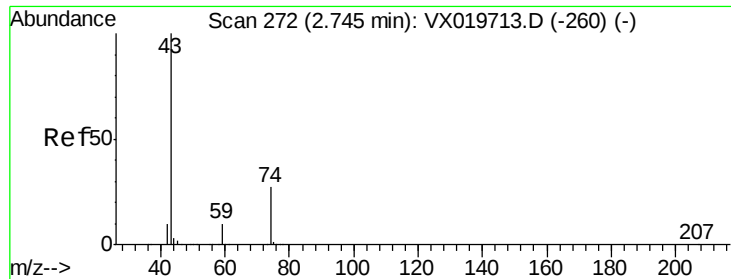
58 36.0 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

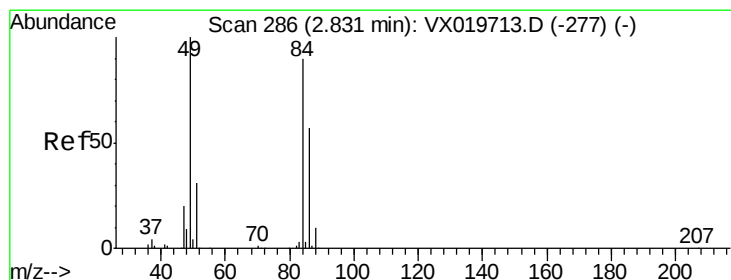
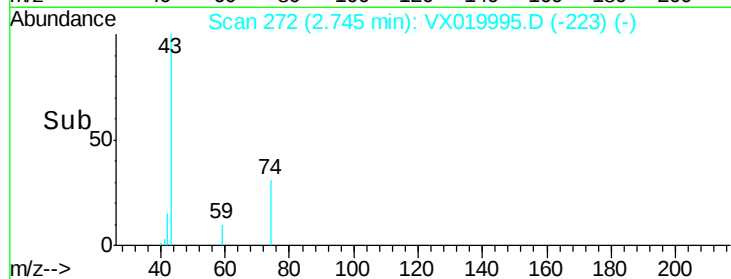
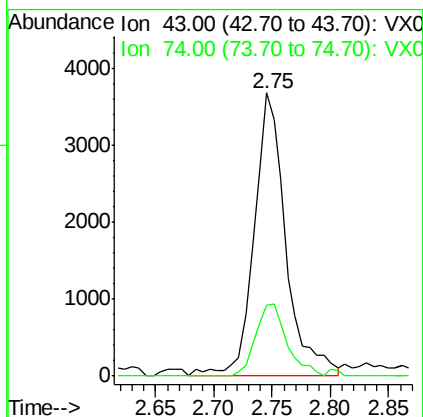
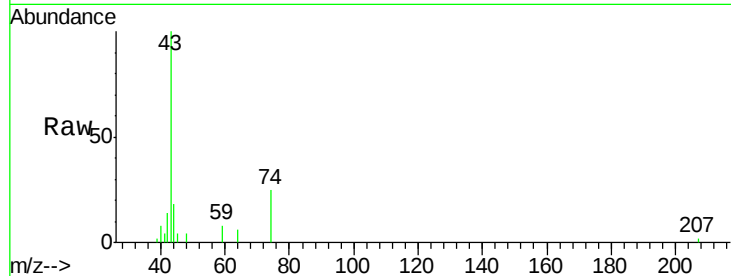




#18  
Methvl Acetate  
Concen: 1.843 ug/l  
RT: 2.75 min Scan# 272  
Delta R.T. 0.00 min  
Lab File: VX019995.D  
Acq: 14 Dec 2020 18:35

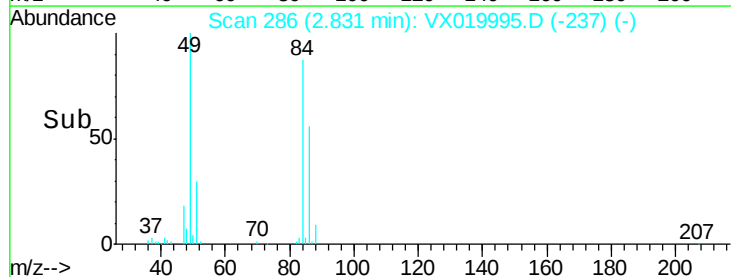
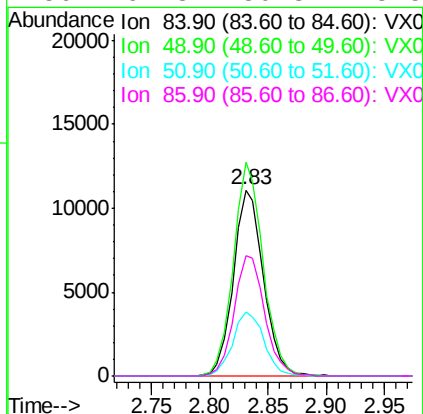
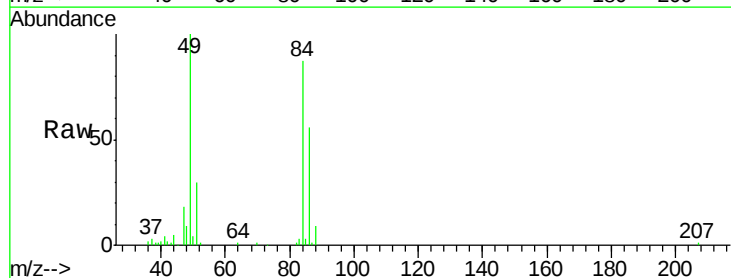
Instrument :  
MSVOA\_X  
ClientSampleId :  
JBD-WC-SB-01

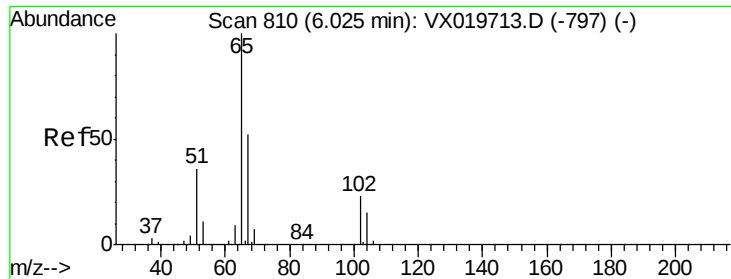
Tot Ion: 43 Resp: 7024  
Ion Ratio Lower Upper  
43 100  
74 25.1 21.9 32.9



#20  
Methylene Chloride  
Concen: 4.291 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. 0.00 min  
Lab File: VX019995.D  
Acq: 14 Dec 2020 18:35

Tgt Ion: 84 Resp: 19885  
Ion Ratio Lower Upper  
84 100  
49 114.7 88.6 132.8  
51 34.6 27.0 40.6  
86 64.3 50.3 75.5

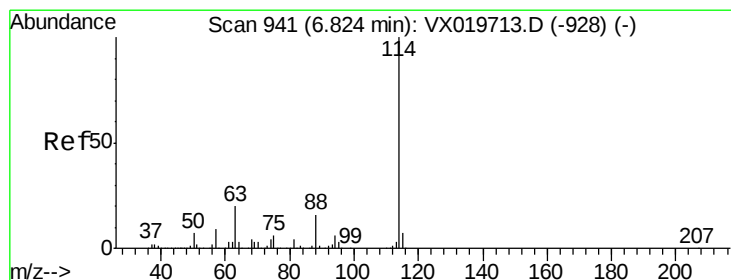
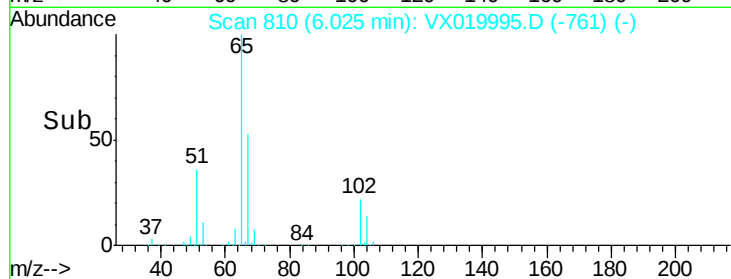
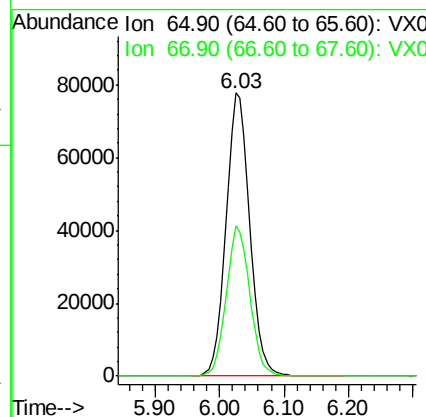
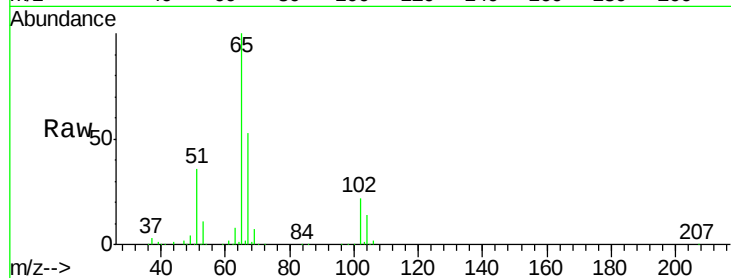




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.775 ug/l  
 RT: 6.03 min Scan# 810  
 Delta R.T. 0.00 min  
 Lab File: VX019995.D  
 Acq: 14 Dec 2020 18:35

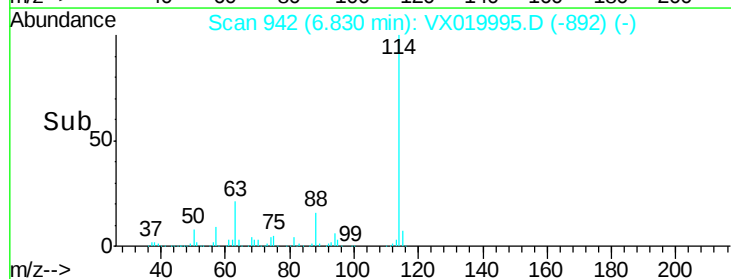
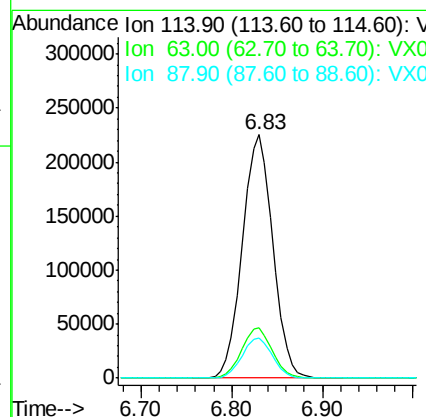
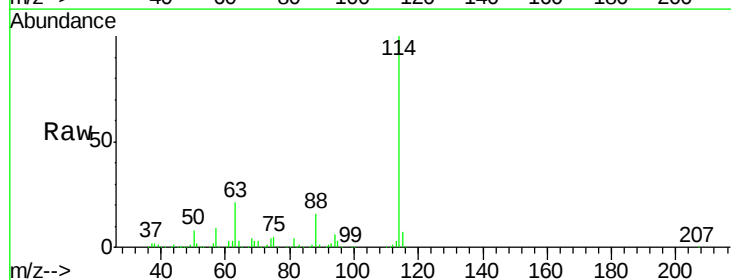
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 JBD-WC-SB-01

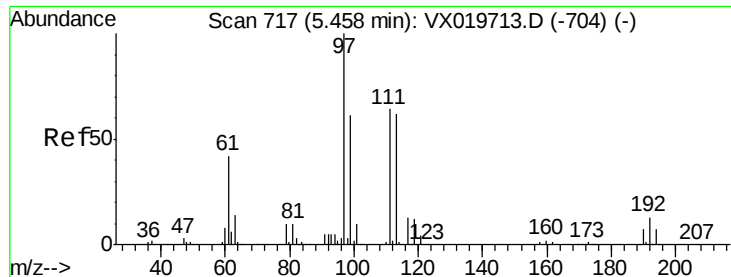
Tot Ion: 65 Resp: 202138  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 105.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.01 min  
 Lab File: VX019995.D  
 Acq: 14 Dec 2020 18:35

Tgt Ion: 114 Resp: 524827  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 40.8  
 88 16.2 0.0 32.8

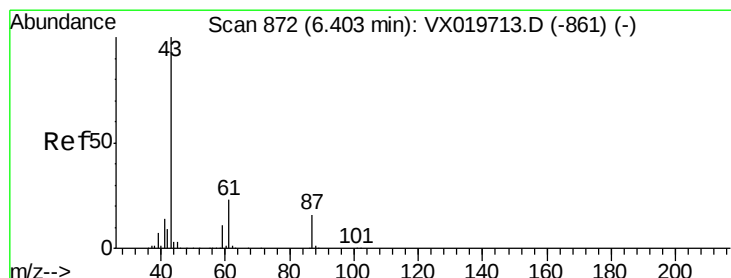
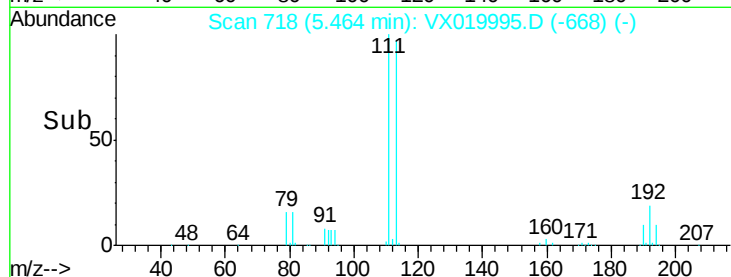
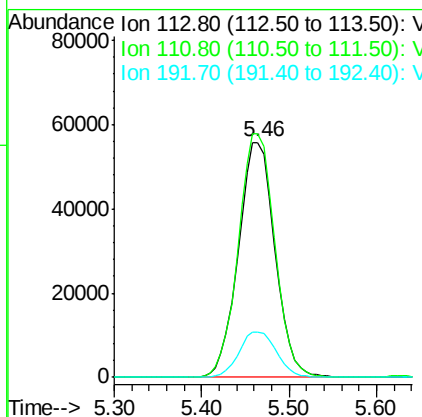
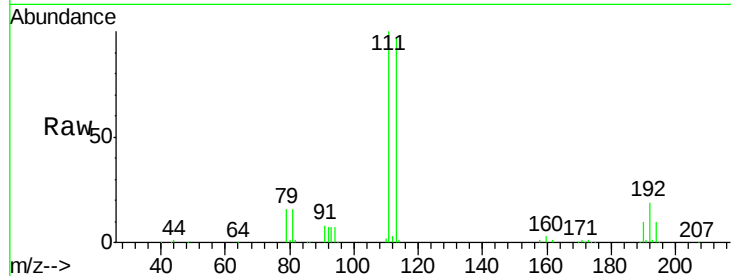




#35  
 Dibromofluoromethane  
 Concen: 47.889 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. 0.01 min  
 Lab File: VX019995.D  
 Acq: 14 Dec 2020 18:35

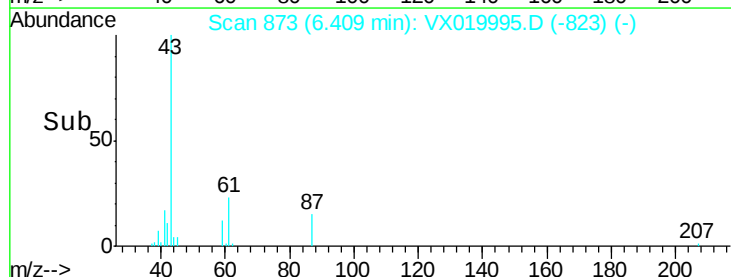
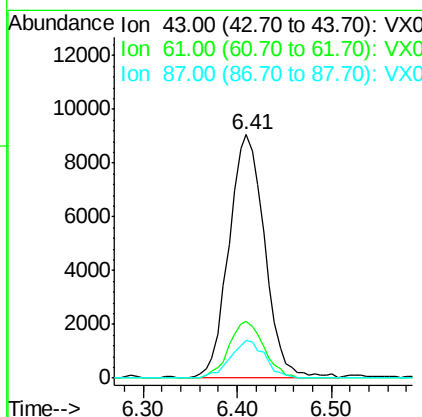
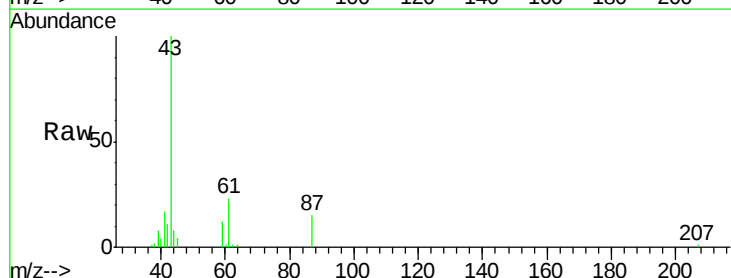
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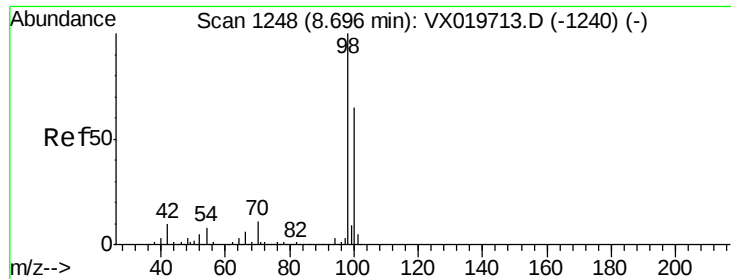
Tot Ion:113 Resp: 162433  
 Ion Ratio Lower Upper  
 113 100  
 111 103.7 81.9 122.9  
 192 19.8 16.7 25.1



#43  
 Isopropyl Acetate  
 Concen: 3.083 ug/l  
 RT: 6.41 min Scan# 873  
 Delta R.T. 0.01 min  
 Lab File: VX019995.D  
 Acq: 14 Dec 2020 18:35

Tgt Ion: 43 Resp: 23998  
 Ion Ratio Lower Upper  
 43 100  
 61 22.7 18.2 27.4  
 87 14.9 12.5 18.7

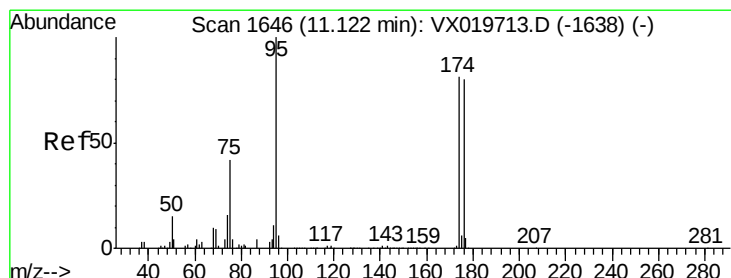
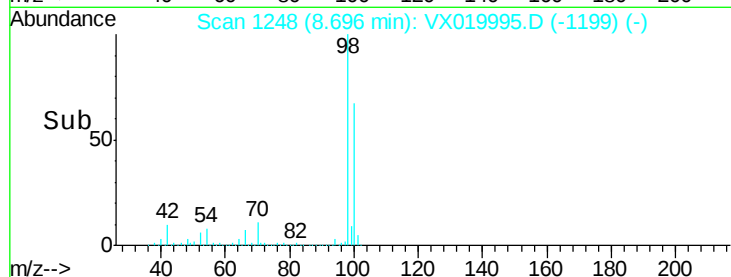
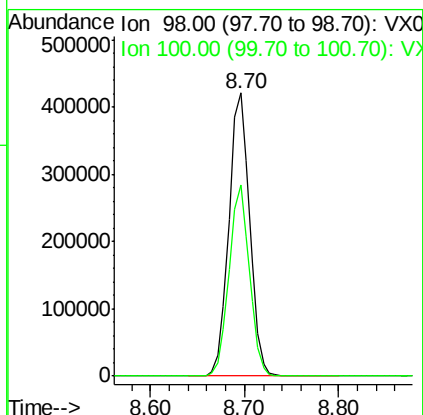
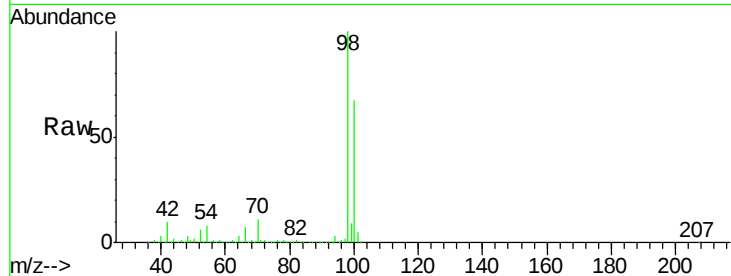




#50  
Toluene-d8  
Concen: 49.889 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: VX019995.D  
Acq: 14 Dec 2020 18:35

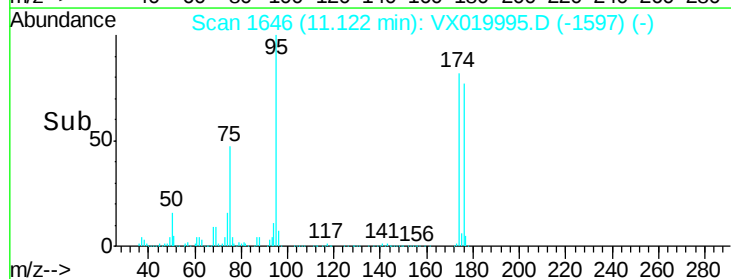
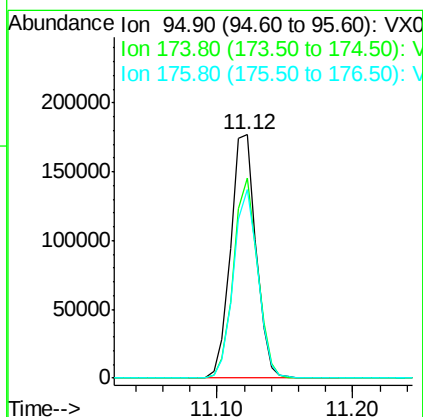
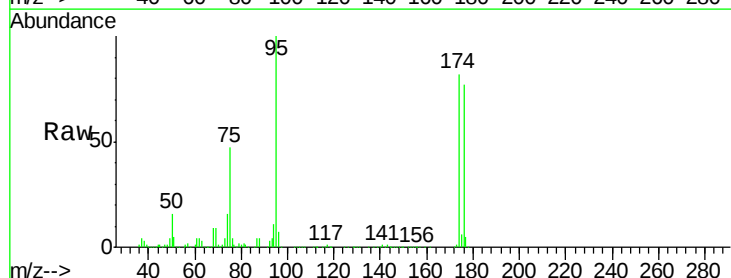
Instrument :  
MSVOA\_X  
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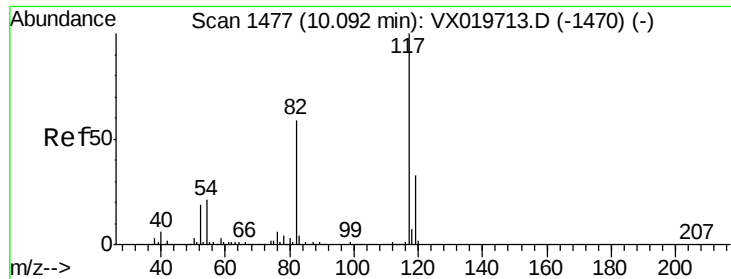
Tot Ion: 98 Resp: 646031  
Ion Ratio Lower Upper  
98 100  
100 66.2 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 46.550 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX019995.D  
Acq: 14 Dec 2020 18:35

Tgt Ion: 95 Resp: 229429  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 154.6  
176 75.1 0.0 155.8

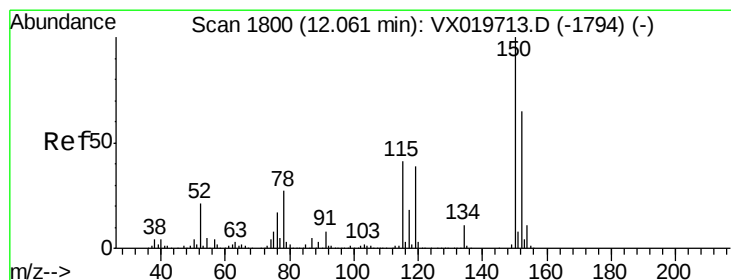
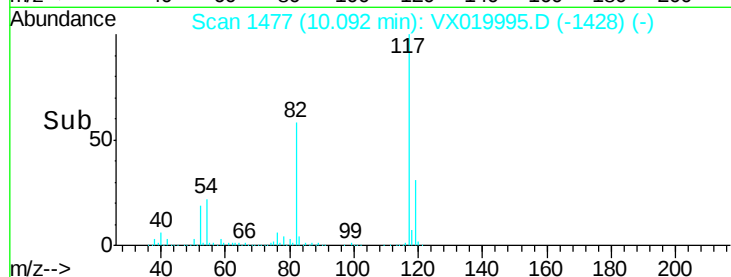
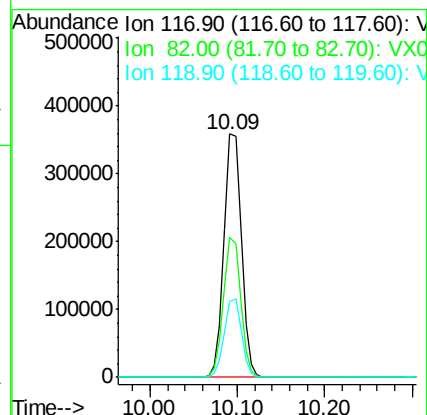
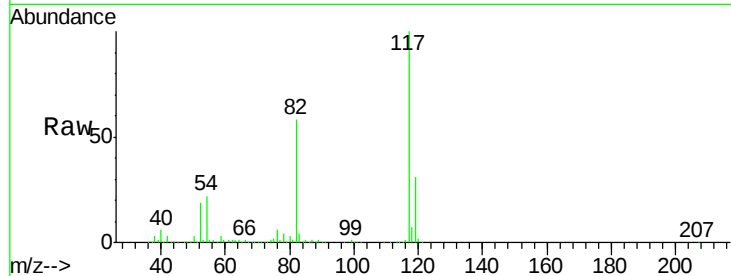




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.09 min Scan# 1477  
Delta R.T. 0.00 min  
Lab File: VX019995.D  
Acq: 14 Dec 2020 18:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
JBD-WC-SB-01

Tot Ion:117 Resp: 494744  
Ion Ratio Lower Upper  
117 100  
82 57.5 47.4 71.2  
119 31.1 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX019995.D  
Acq: 14 Dec 2020 18:35

Tgt Ion:152 Resp: 211904  
Ion Ratio Lower Upper  
152 100  
115 60.9 41.1 123.3  
150 158.5 0.0 349.0

