

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\  
 Data File : VX019305.D  
 Acq On : 05 Nov 2020 11:56  
 Operator : JC/MD  
 Sample : L4621-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FIELD-BLANK

Quant Time: Nov 06 07:28:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 27 13:55:07 2020  
 Response via : Initial Calibration

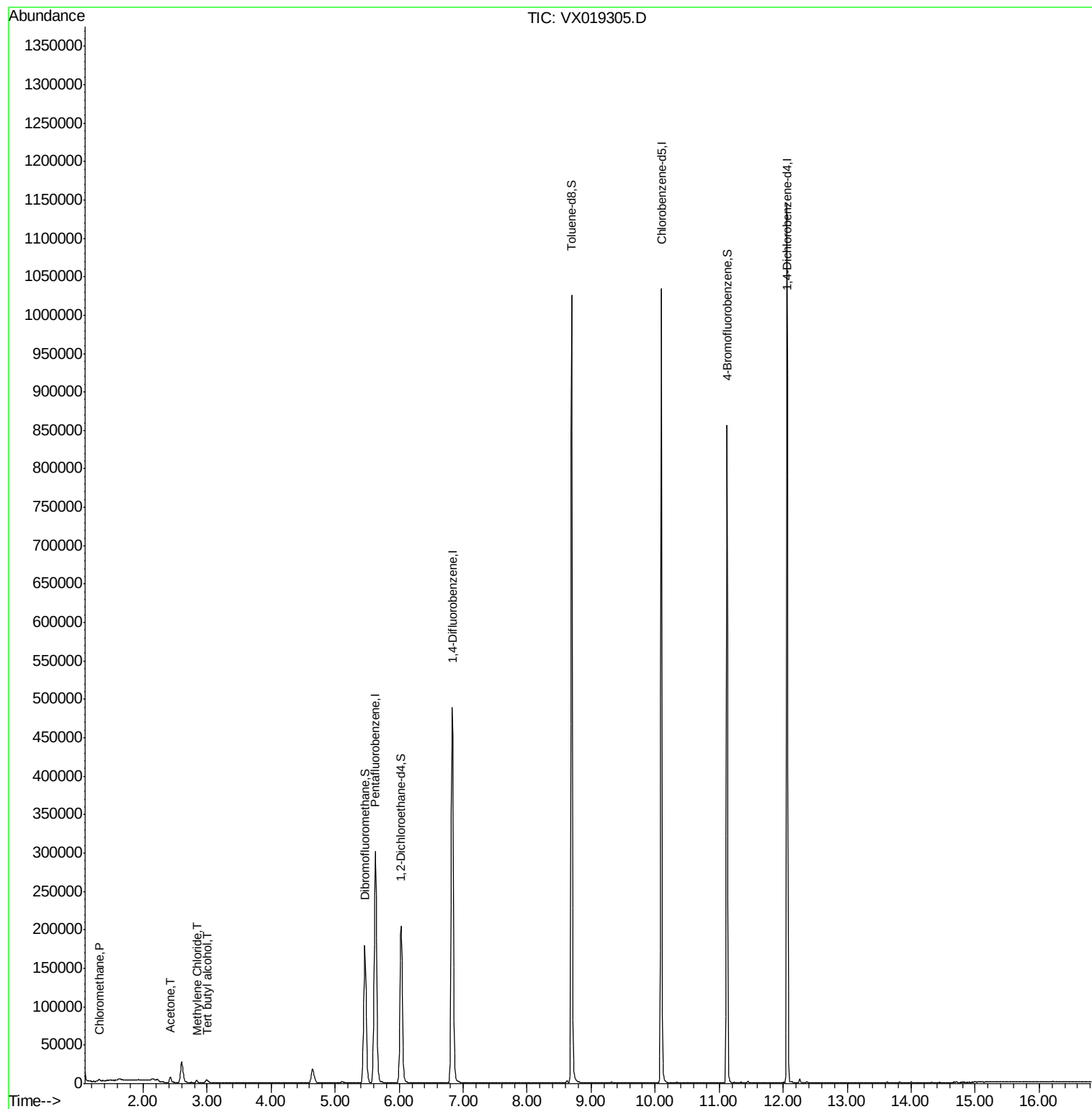
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 279139   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 490508   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 452770   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 222188   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 197499   | 54.86 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.72% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 155255   | 50.39 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.78% |          |
| 50) Toluene-d8              | 8.70  | 98   | 596564   | 51.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.72% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 223815   | 50.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.76% |          |
| Target Compounds            |       |      |          |       |         |          |
| 3) Chloromethane            | 1.31  | 50   | 1321     | 0.508 | ug/l    | 93       |
| 11) Tert butyl alcohol      | 3.00  | 59   | 3628     | 5.103 | ug/l #  | 80       |
| 16) Acetone                 | 2.42  | 43   | 8192     | 6.596 | ug/l    | 100      |
| 20) Methylene Chloride      | 2.84  | 84   | 1277     | 0.410 | ug/l    | 96       |

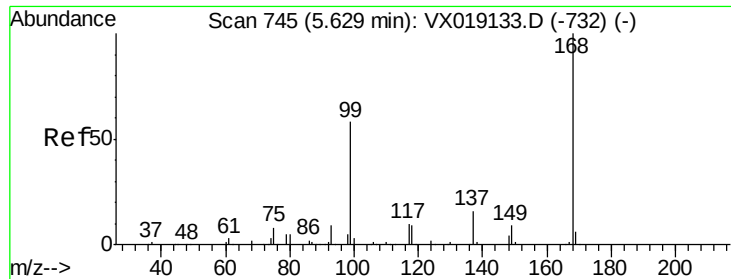
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110620\  
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MSVOA\_X  
ClientSampled :  
FIELD-BLANK

Quant Time: Nov 06 07:28:06 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X102720W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 27 13:55:07 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

Instrument :

MSVOA\_X

ClientSampled :

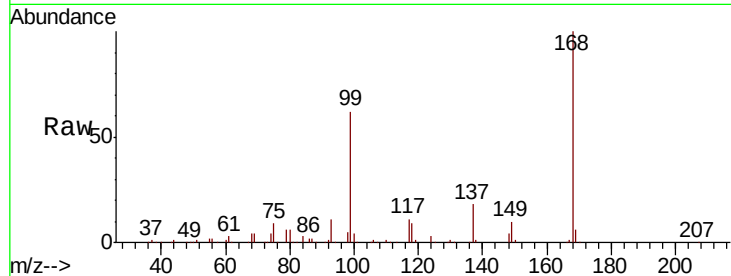
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Tot Ion:168 Resp: 279139

Ion Ratio Lower Upper

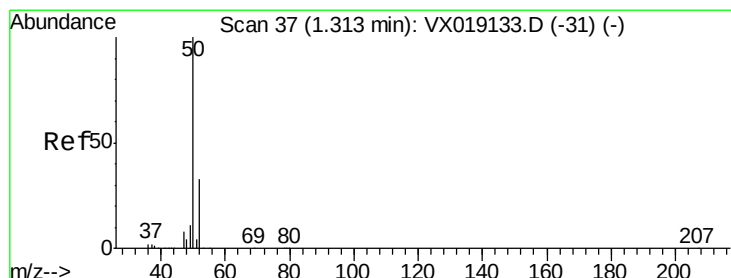
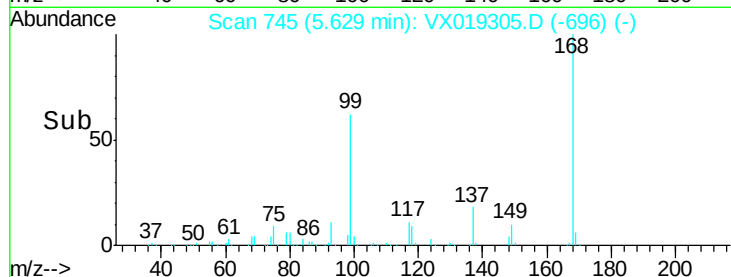
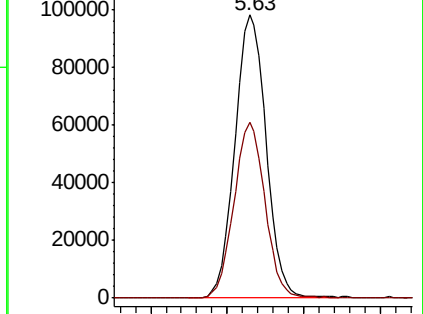
168 100

99 62.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.508 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019305.D

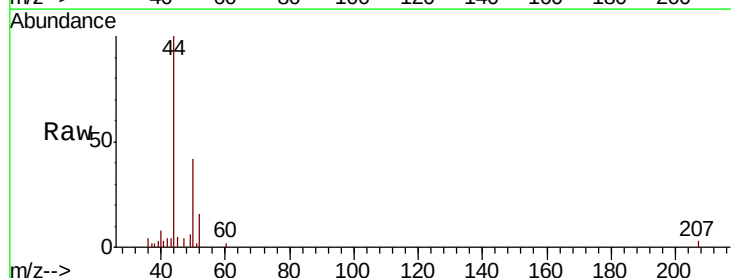
Acq: 05 Nov 2020 11:56

Tgt Ion: 50 Resp: 1321

Ion Ratio Lower Upper

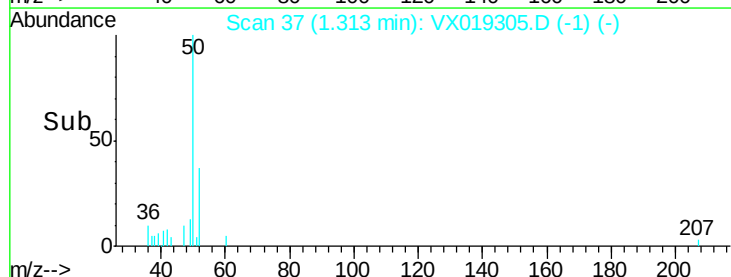
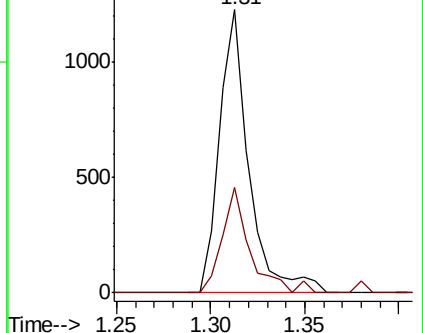
50 100

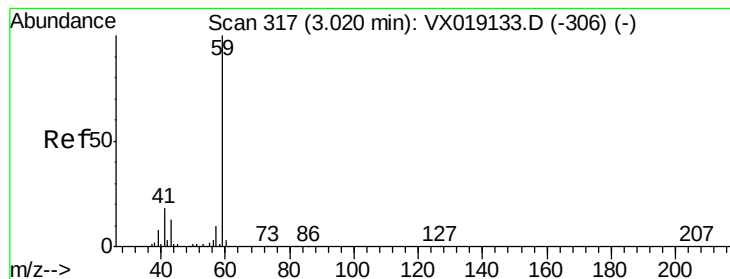
52 37.5 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



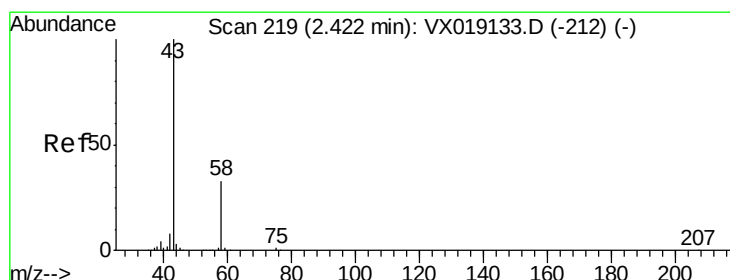
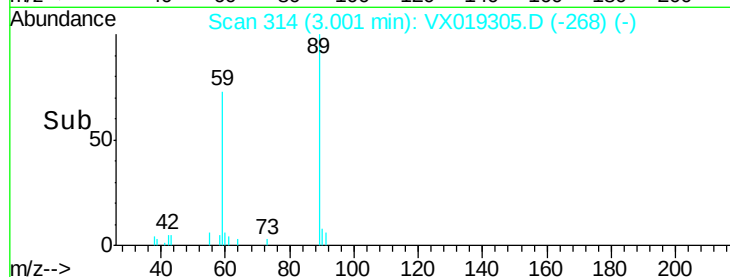
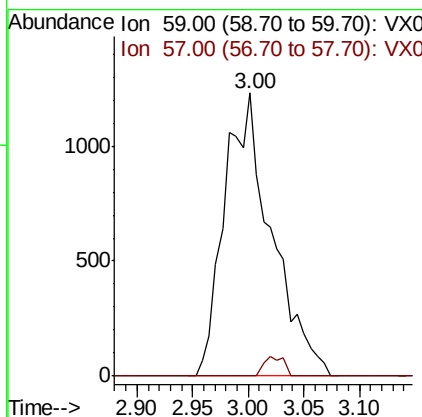
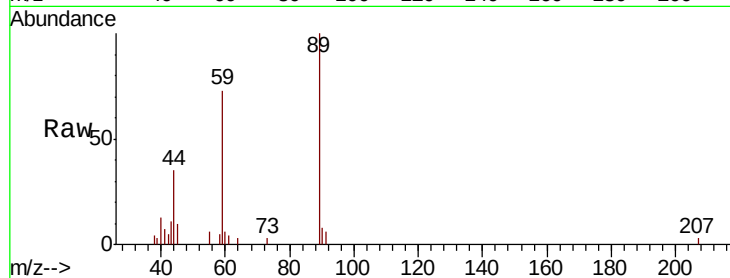


#11

Tert butyl alcohol  
Concen: 5.103 ug/l  
RT: 3.00 min Scan# 314  
Delta R.T. -0.02 min  
Lab File: VX019305.D  
Acq: 05 Nov 2020 11:56

Instrument :  
MSVOA\_X  
ClientSampled :  
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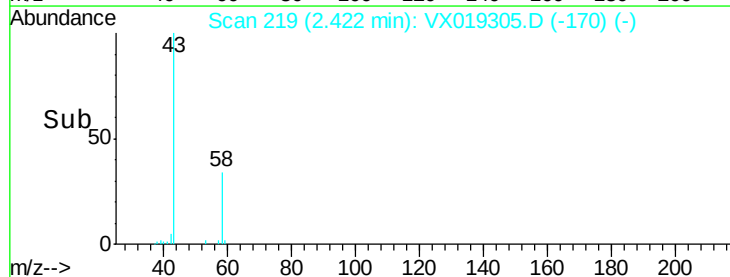
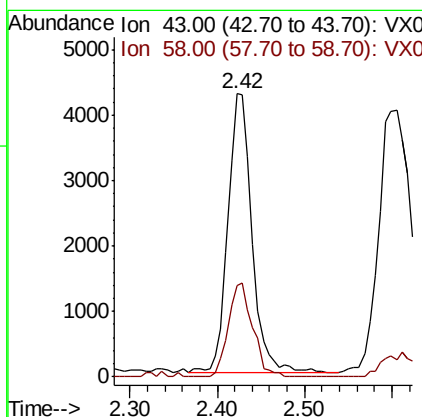
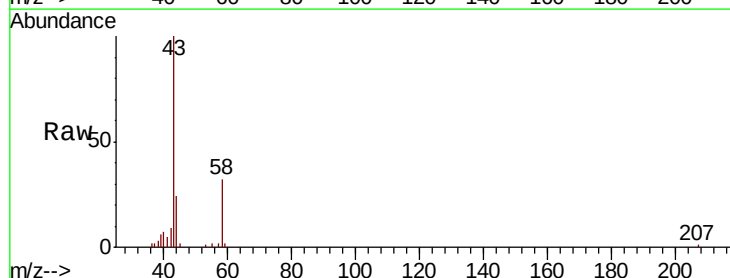
Tot Ion: 59 Resp: 3628  
Ion Ratio Lower Upper  
59 100  
57 3.0 8.4 12.6#

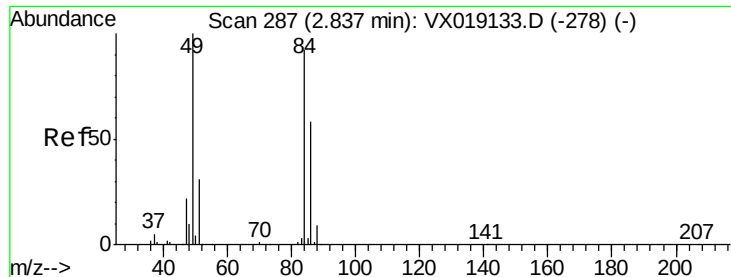


#16

Acetone  
Concen: 6.596 ug/l  
RT: 2.42 min Scan# 219  
Delta R.T. -0.00 min  
Lab File: VX019305.D  
Acq: 05 Nov 2020 11:56

Tgt Ion: 43 Resp: 8192  
Ion Ratio Lower Upper  
43 100  
58 32.7 26.3 39.5

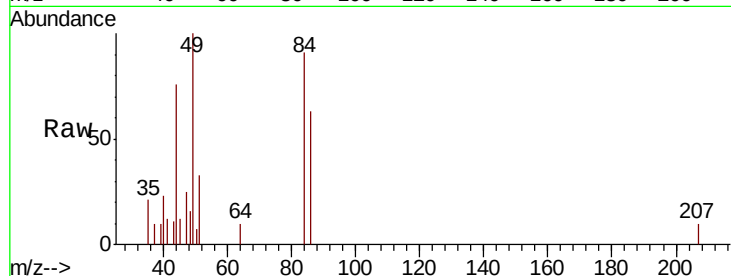




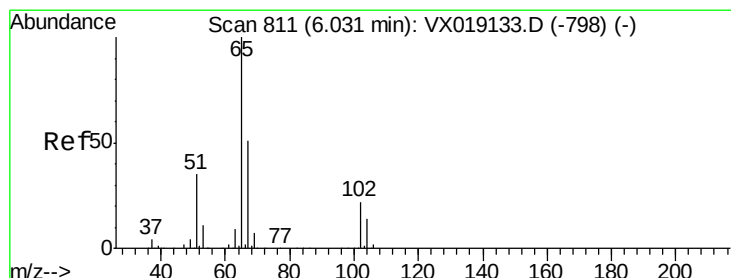
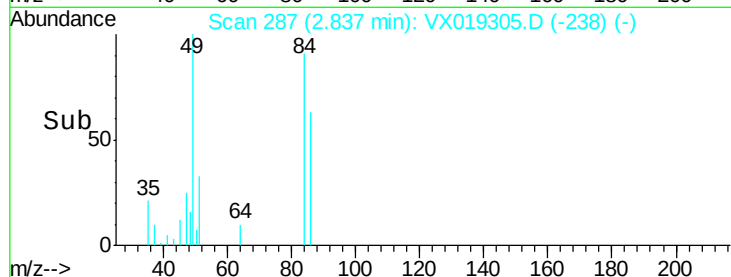
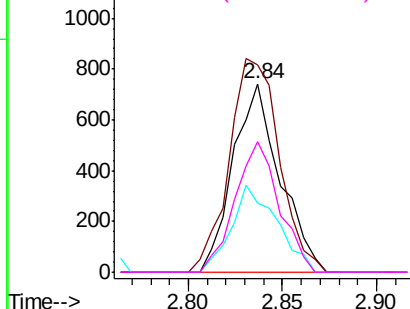
#20  
Methylene Chloride  
Concen: 0.410 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. -0.00 min  
Lab File: VX019305.D  
Acq: 05 Nov 2020 11:56

Instrument :  
MSVOA\_X  
ClientSampled :  
FIELD-BLANK

Tot Ion: 84 Resp: 1277  
Ion Ratio Lower Upper  
84 100  
49 110.4 86.8 130.2  
51 36.7 27.3 40.9  
86 69.3 50.6 76.0

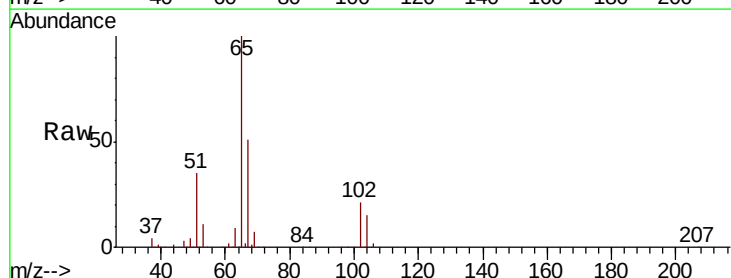


Abundance Ion 83.90 (83.60 to 84.60): VX0  
Ion 48.90 (48.60 to 49.60): VX0  
Ion 50.90 (50.60 to 51.60): VX0  
Ion 85.90 (85.60 to 86.60): VX0

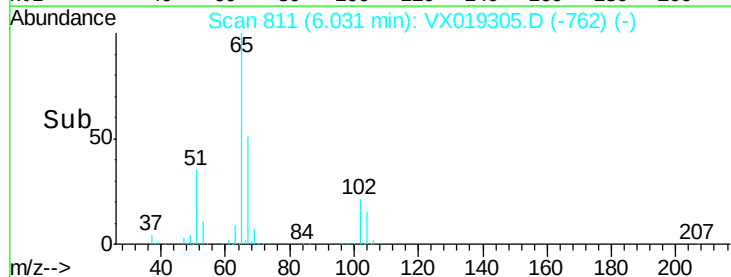
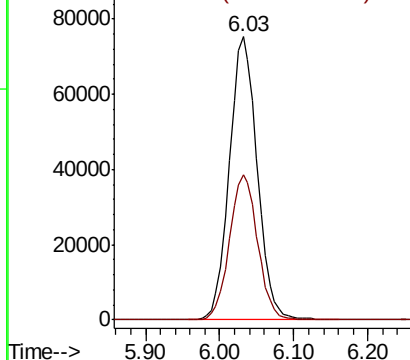


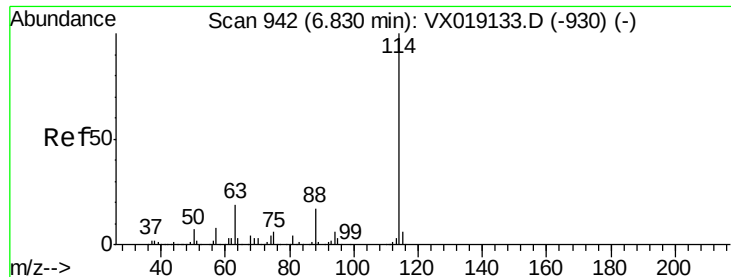
#33  
1,2-Dichloroethane-d4  
Concen: 54.863 ug/l  
RT: 6.03 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: VX019305.D  
Acq: 05 Nov 2020 11:56

Tgt Ion: 65 Resp: 197499  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 103.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

Instrument :

MSVOA\_X

ClientSampleId :

FIELD-BLANK

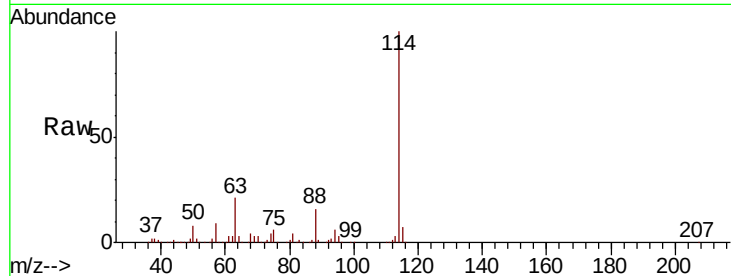
Tot Ion:114 Resp: 490508

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

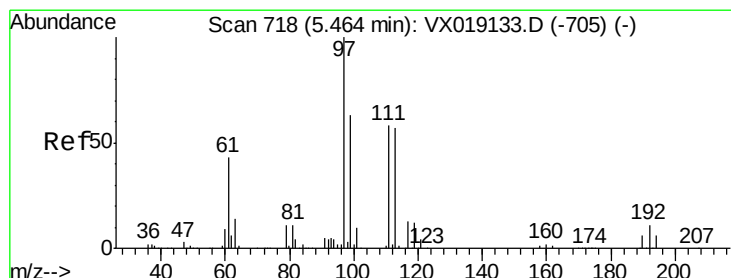
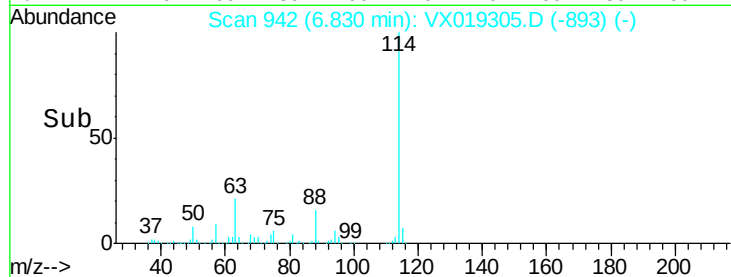
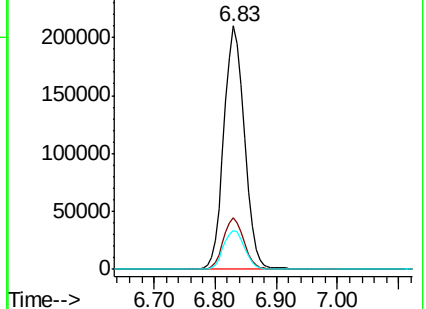
88 16.0 0.0 34.2



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: 50.390 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

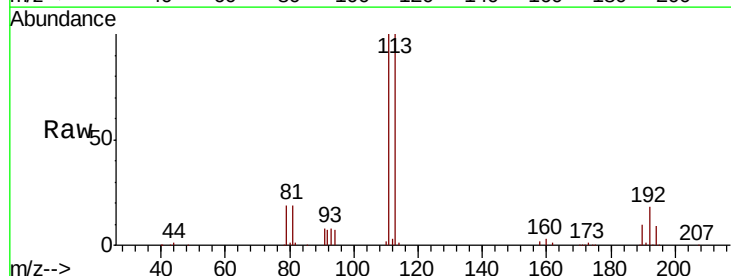
Tgt Ion:113 Resp: 155255

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

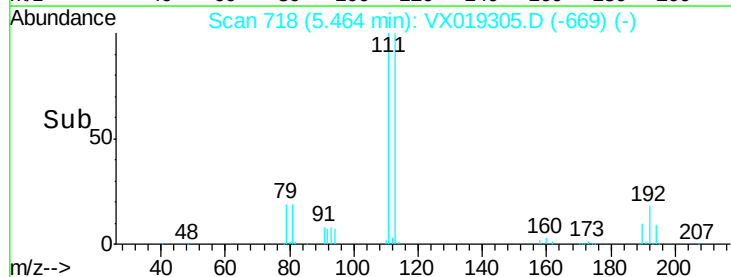
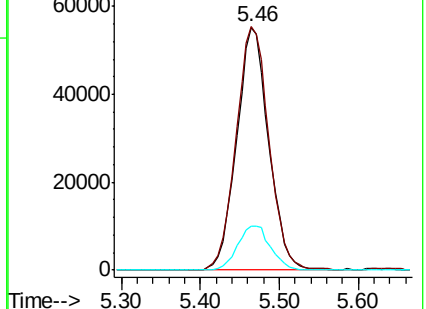
192 18.8 16.2 24.2

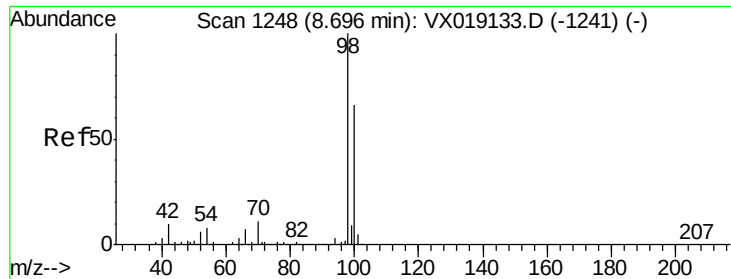


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.364 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

Instrument :

MSVOA\_X

ClientSampleId :

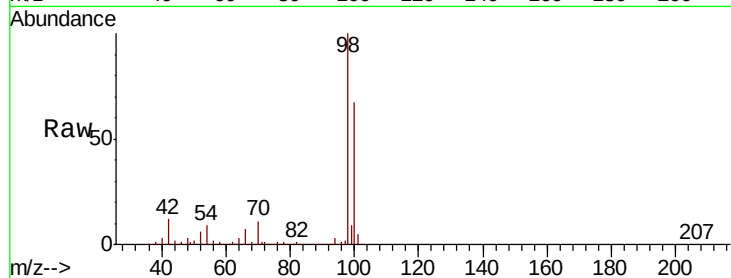
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Tot Ion: 98 Resp: 596564

Ion Ratio Lower Upper

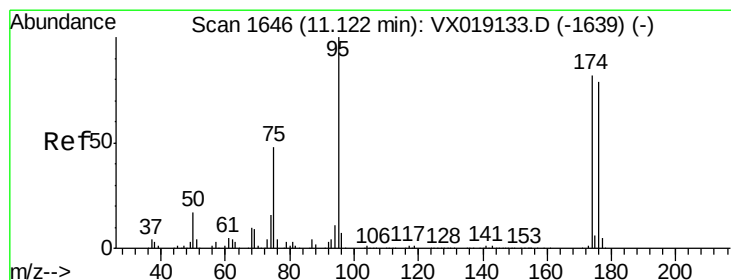
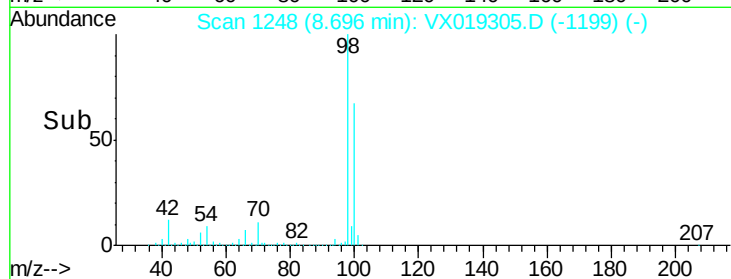
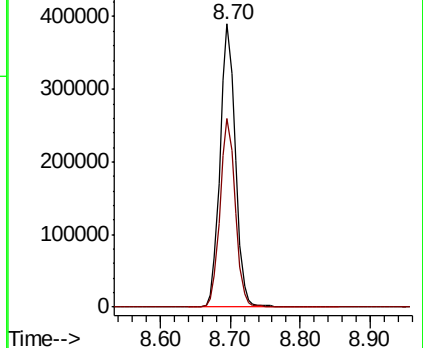
98 100

100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 50.885 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

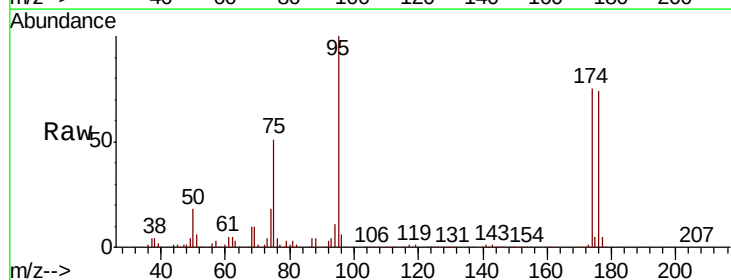
Tgt Ion: 95 Resp: 223815

Ion Ratio Lower Upper

95 100

174 74.3 0.0 156.0

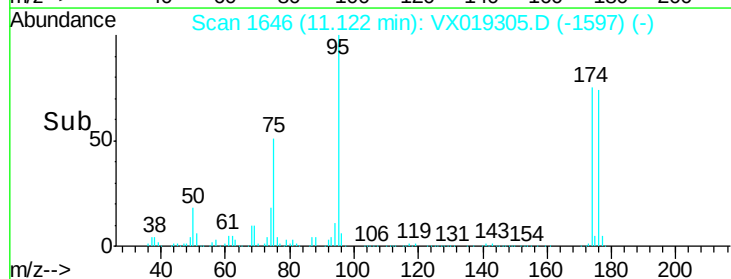
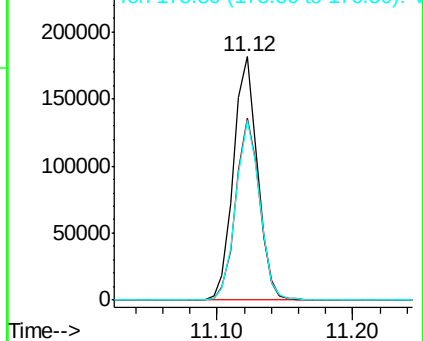
176 73.3 0.0 149.8

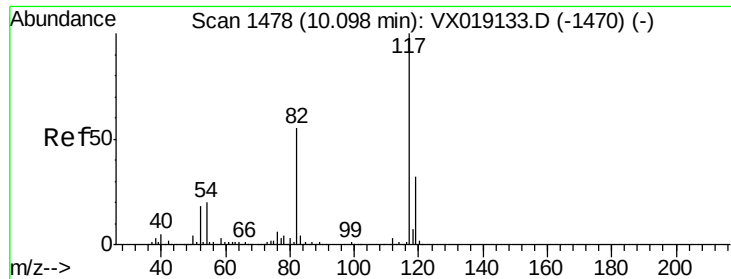


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

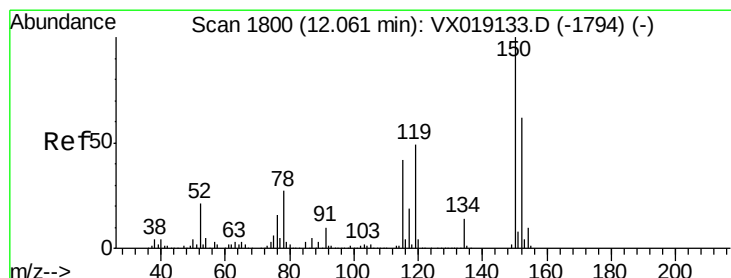
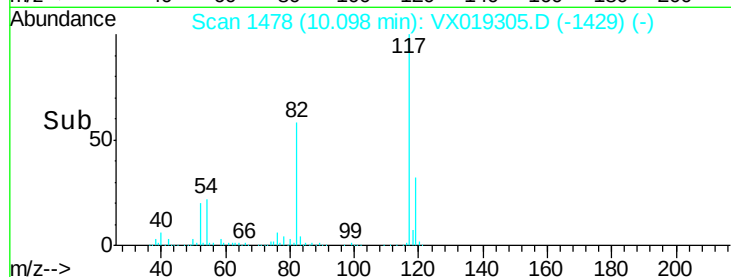
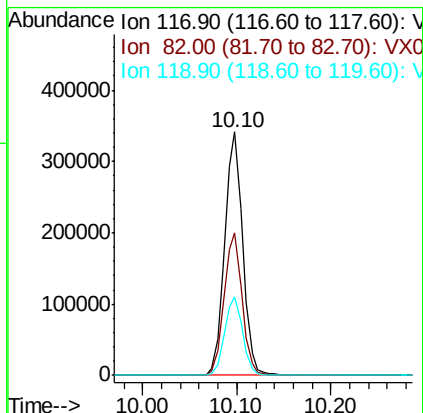
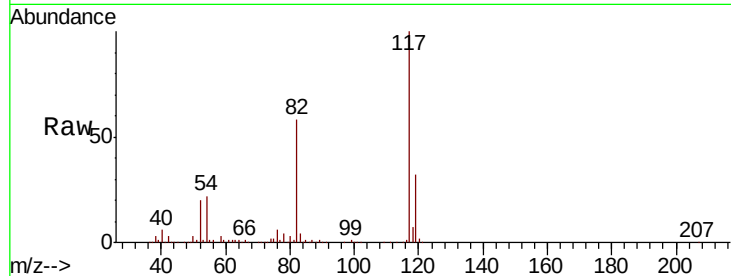




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX019305.D  
Acq: 05 Nov 2020 11:56

Instrument :  
MSVOA\_X  
ClientSampled :  
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Tot Ion:117 Resp: 452770  
Ion Ratio Lower Upper  
117 100  
82 58.3 43.6 65.4  
119 32.2 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX019305.D  
Acq: 05 Nov 2020 11:56

Tgt Ion:152 Resp: 222188  
Ion Ratio Lower Upper  
152 100  
115 61.6 41.9 125.7  
150 157.2 0.0 347.8

