

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121420\  
 Data File : VX019983.D  
 Acq On : 14 Dec 2020 13:55  
 Operator : JC/MD  
 Sample : L5052-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TU032-32-5227-121020

Quant Time: Dec 15 14:48:18 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      | 5.62  | 168  | 305559   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 513309   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.09 | 117  | 470285   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 208900   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65    | 195449   | 48.67    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | =    | 97.34% |
| 35) Dibromofluoromethane  | 5.46   | 113   | 160286   | 48.32    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | =    | 96.64% |
| 50) Toluene-d8            | 8.70   | 98    | 621581   | 49.08    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | =    | 98.16% |
| 62) 4-Bromofluorobenzene  | 11.12  | 95    | 224948   | 46.66    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | =    | 93.32% |

## Target Compounds

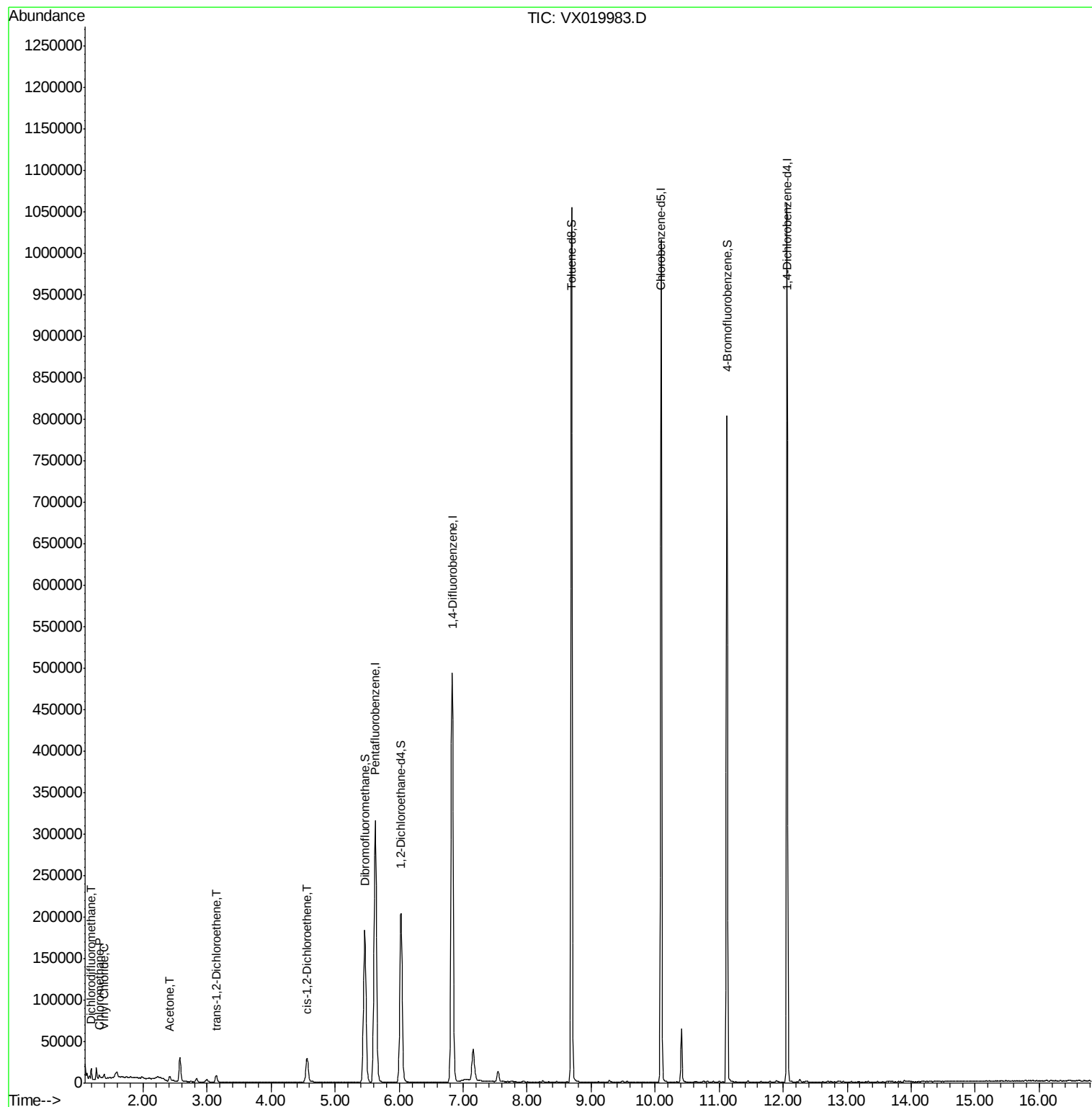
|                              |      |    |       |       | Qvalue  |
|------------------------------|------|----|-------|-------|---------|
| 2) Dichlorodifluoromethane   | 1.18 | 85 | 3512  | 1.255 | ug/l 95 |
| 3) Chloromethane             | 1.31 | 50 | 2081  | 0.633 | ug/l 93 |
| 4) Vinyl Chloride            | 1.39 | 62 | 1856  | 0.535 | ug/l 90 |
| 16) Acetone                  | 2.42 | 43 | 6510  | 4.313 | ug/l 99 |
| 21) trans-1,2-Dichloroethene | 3.14 | 96 | 3671  | 1.125 | ug/l 99 |
| 27) cis-1,2-Dichloroethene   | 4.56 | 96 | 19130 | 5.008 | ug/l 95 |

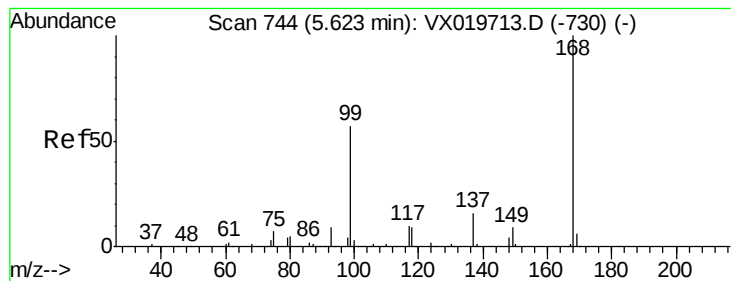
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121420\  
Data File : VX019983.D  
Acq On : 14 Dec 2020 13:55  
Operator : JC/MD  
Sample : L5052-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TU032-32-5227-121020

Quant Time: Dec 15 14:48:18 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: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019983.D

Acq: 14 Dec 2020 13:55

Instrument :

MSVOA\_X

ClientSampleId :

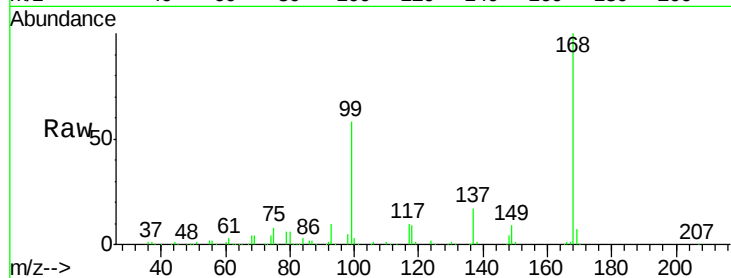
TU032-32-5227-121020

Tot Ion:168 Resp: 305559

Ion Ratio Lower Upper

168 100

99 57.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

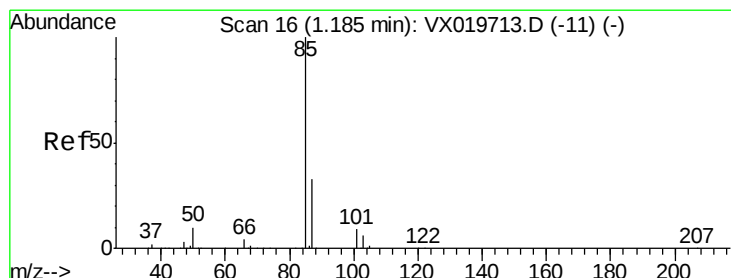
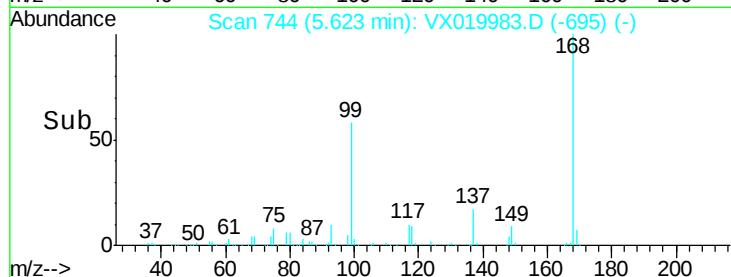
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.255 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019983.D

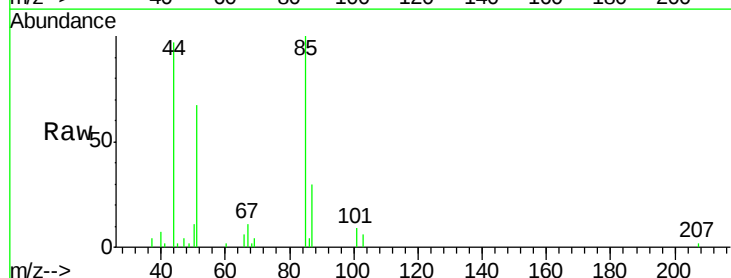
Acq: 14 Dec 2020 13:55

Tgt Ion: 85 Resp: 3512

Ion Ratio Lower Upper

85 100

87 30.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

4000

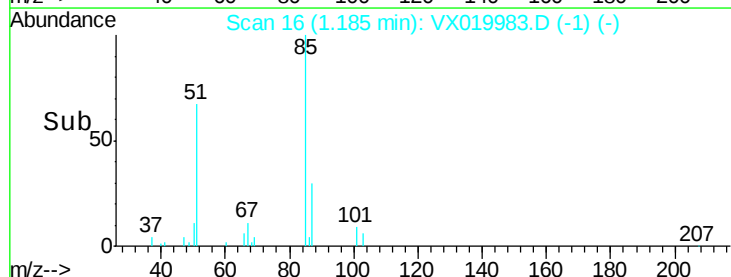
3000

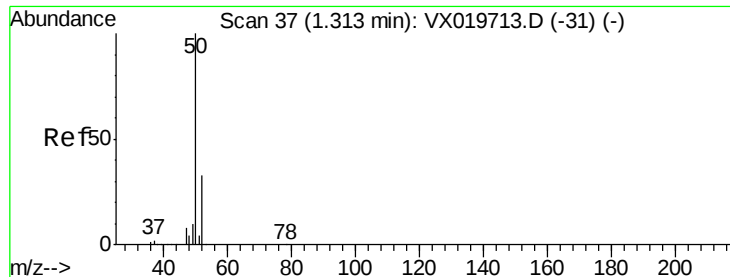
2000

1000

0

Time-->





#3

Chloromethane

Concen: 0.633 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019983.D

Acq: 14 Dec 2020 13:55

Instrument :

MSVOA\_X

ClientSampleId :

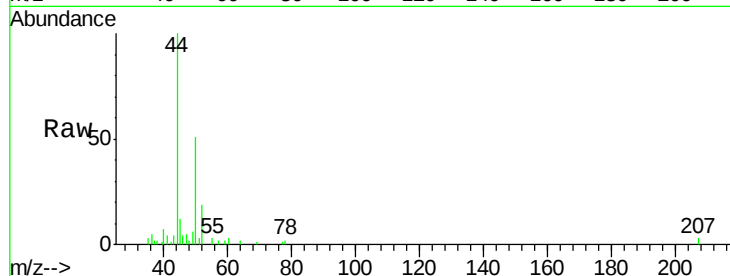
TU032-32-5227-121020

Tot Ion: 50 Resp: 2081

Ion Ratio Lower Upper

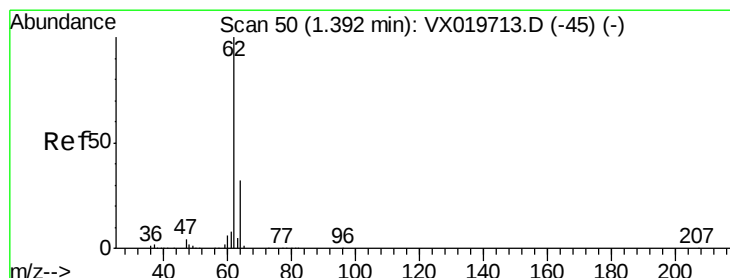
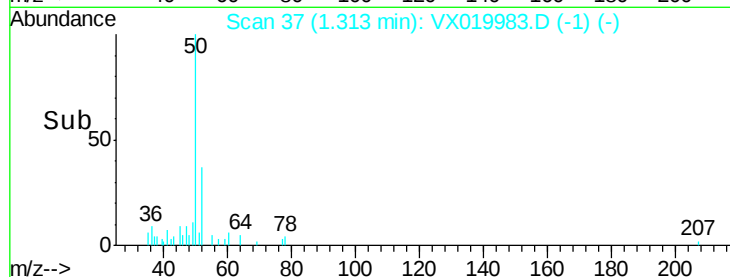
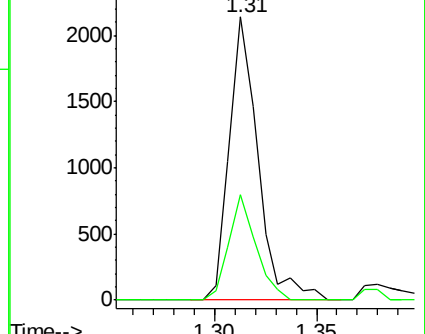
50 100

52 37.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.535 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019983.D

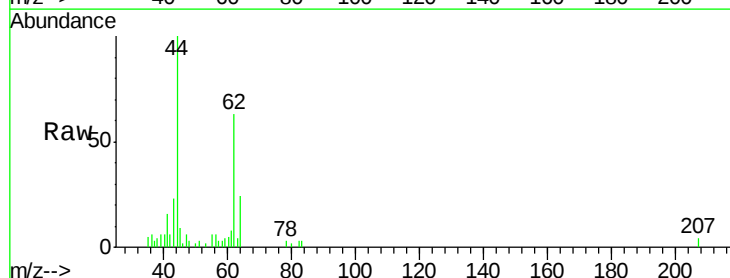
Acq: 14 Dec 2020 13:55

Tgt Ion: 62 Resp: 1856

Ion Ratio Lower Upper

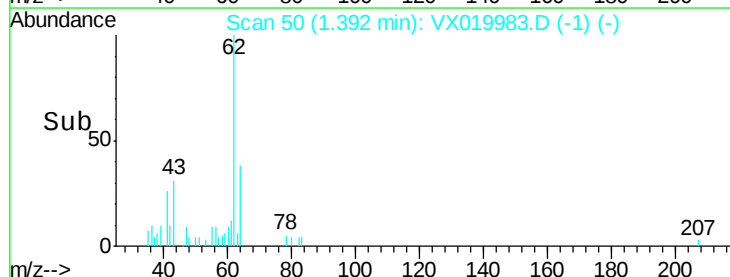
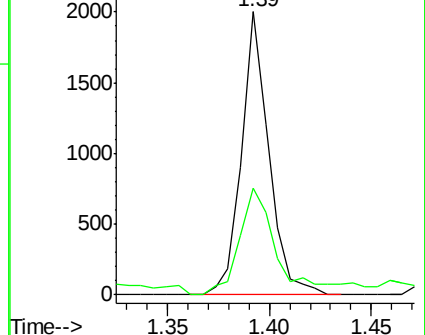
62 100

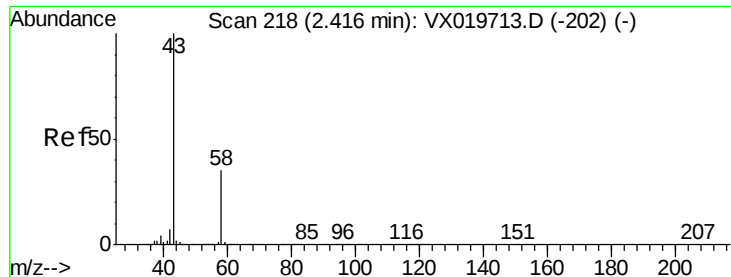
64 37.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 4.313 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019983.D

Acq: 14 Dec 2020 13:55

Instrument :

MSVOA\_X

ClientSampleId :

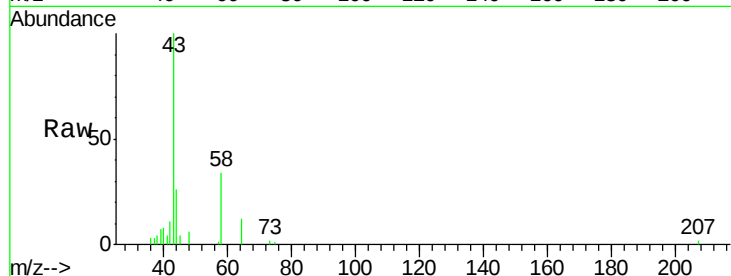
TU032-32-5227-121020

Tot Ion: 43 Resp: 6510

Ion Ratio Lower Upper

43 100

58 34.3 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

4000

3000

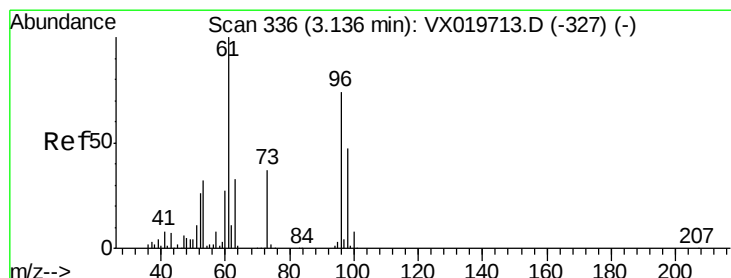
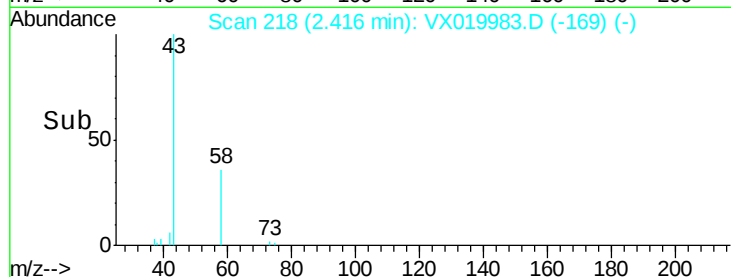
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#21

trans-1,2-Dichloroethene

Concen: 1.125 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019983.D

Acq: 14 Dec 2020 13:55

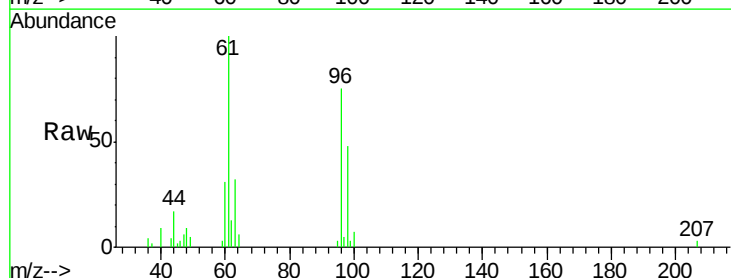
Tgt Ion: 96 Resp: 3671

Ion Ratio Lower Upper

96 100

61 133.4 107.7 161.5

98 64.3 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

3000

2500

2000

1500

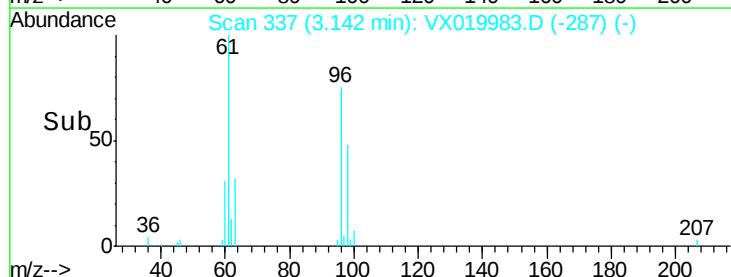
1000

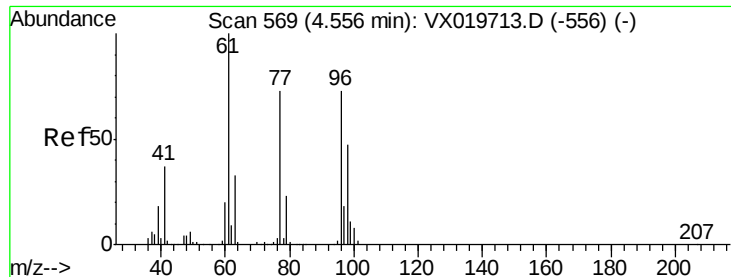
500

0

Time-->

3.10 3.15 3.20



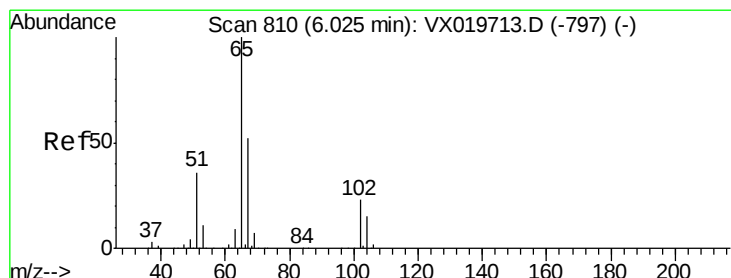
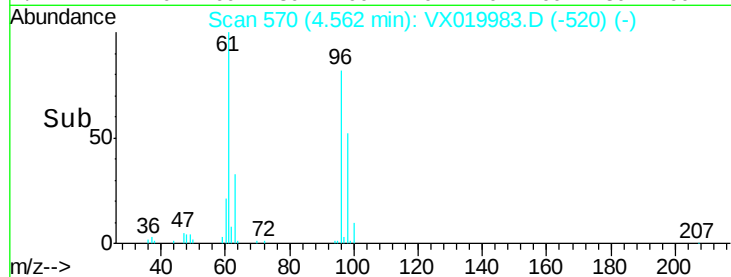
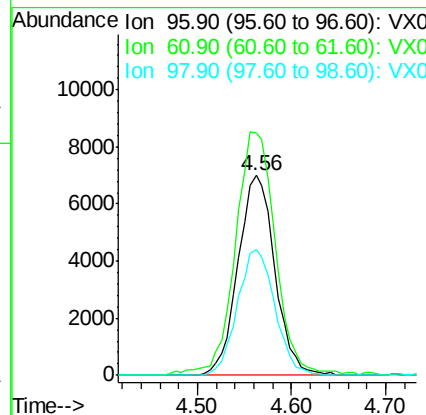
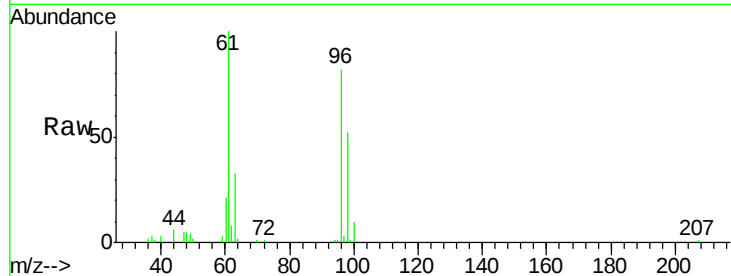


#27

cis-1,2-Dichloroethene  
 Concen: 5.008 ug/l  
 RT: 4.56 min Scan# 570  
 Delta R.T. 0.01 min  
 Lab File: VX019983.D  
 Acq: 14 Dec 2020 13:55

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TU032-32-5227-121020

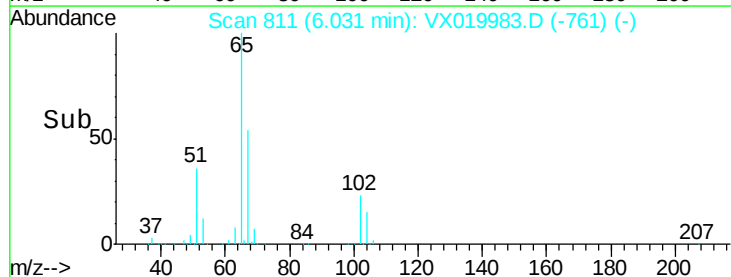
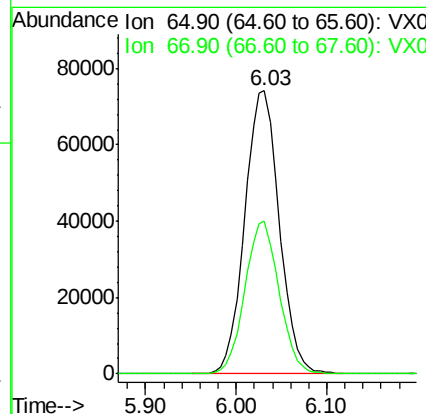
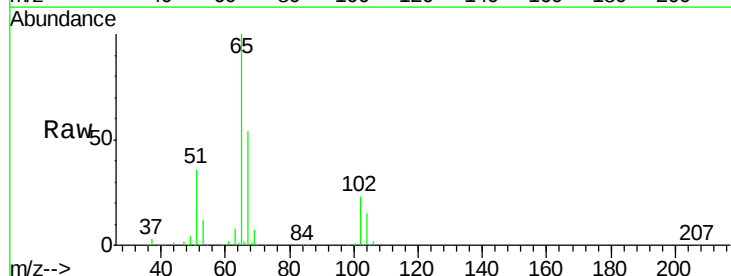
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 133.5 | 0.0   | 285.6 |
| 98      | 64.0  | 0.0   | 129.6 |

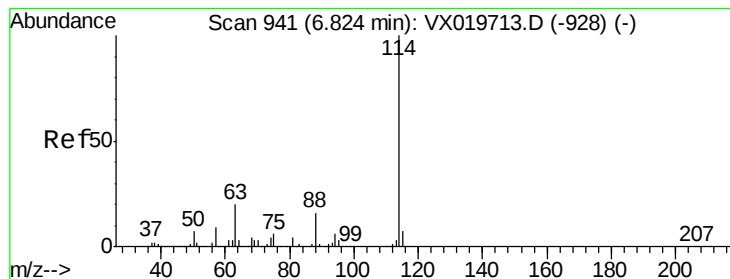


#33

1,2-Dichloroethane-d4  
 Concen: 48.668 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.01 min  
 Lab File: VX019983.D  
 Acq: 14 Dec 2020 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.5  | 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: VX019983.D

Acq: 14 Dec 2020 13:55

Instrument :

MSVOA\_X

ClientSampleId :

TU032-32-5227-121020

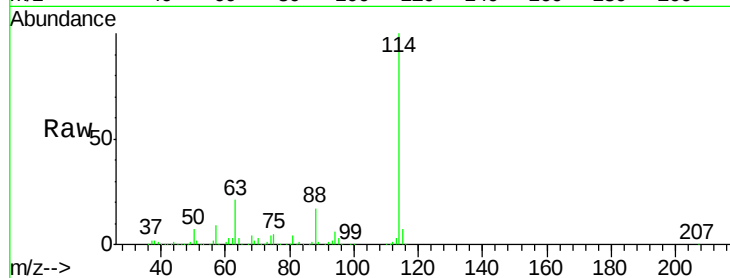
Tot Ion:114 Resp: 513309

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

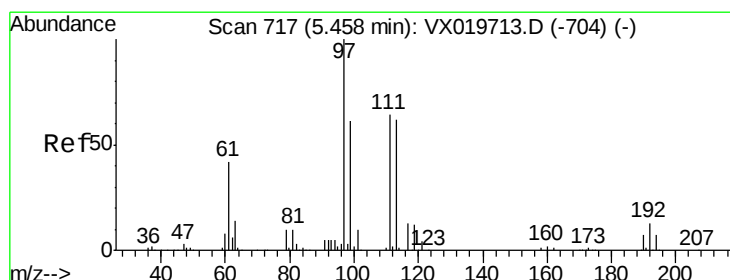
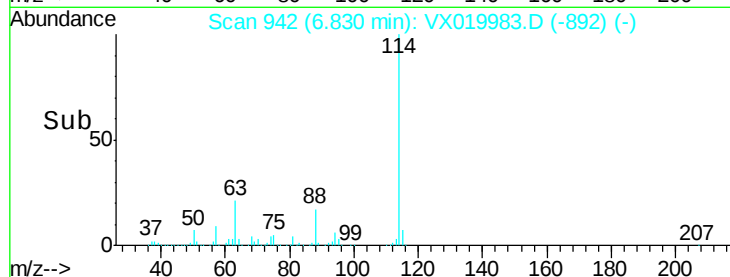
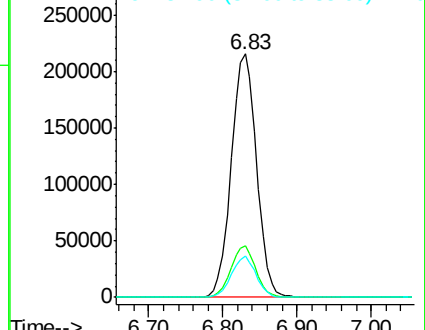
88 16.8 0.0 32.8



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: 48.316 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019983.D

Acq: 14 Dec 2020 13:55

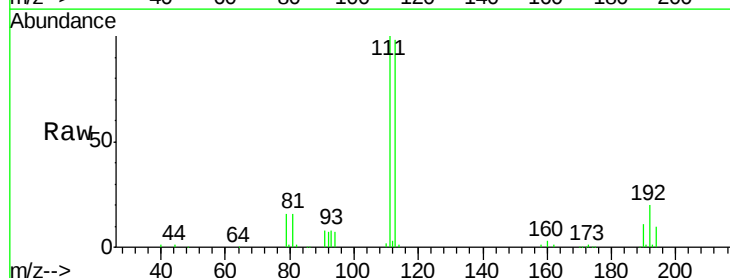
Tgt Ion:113 Resp: 160286

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

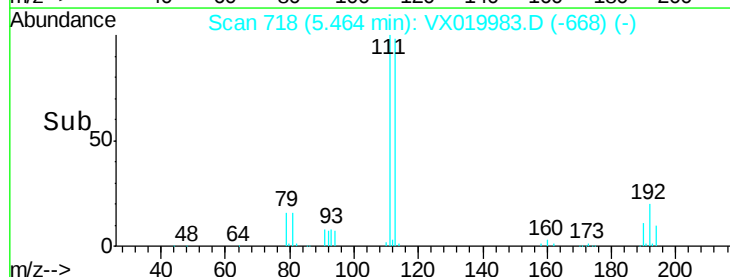
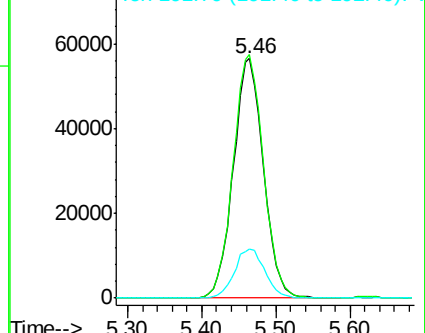
192 20.8 16.7 25.1

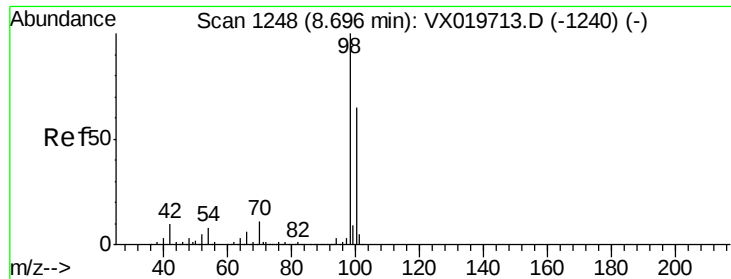


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

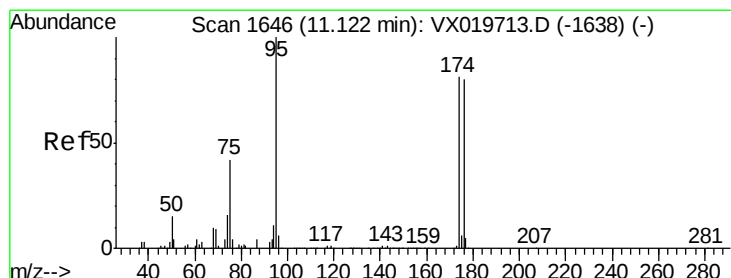
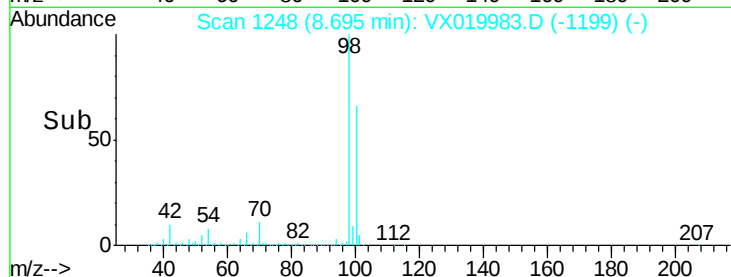
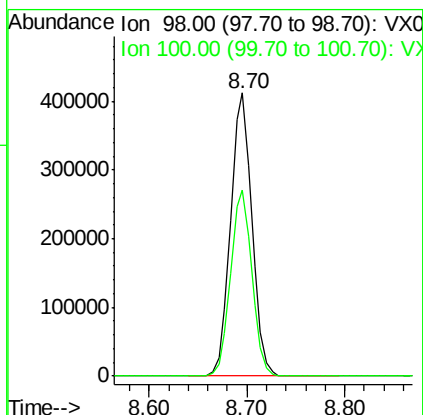
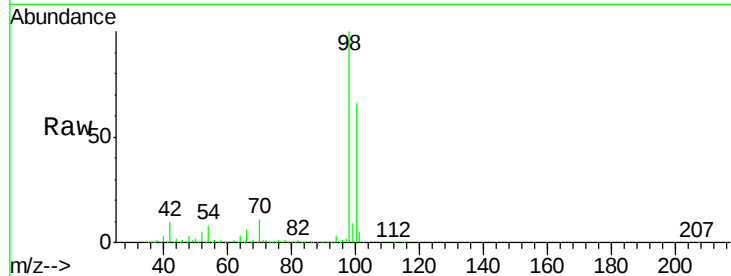




#50  
Toluene-d8  
Concen: 49.078 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX019983.D  
Acq: 14 Dec 2020 13:55

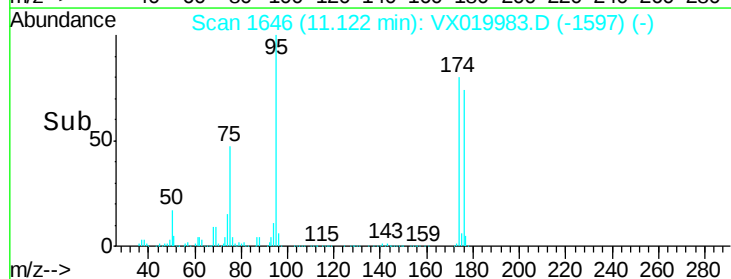
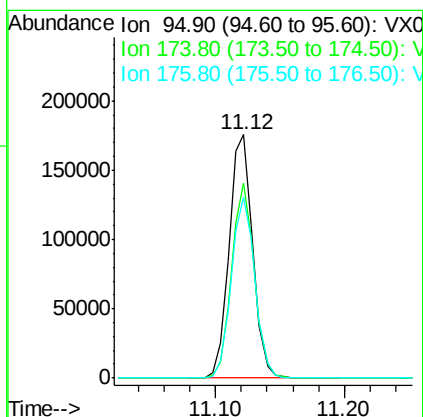
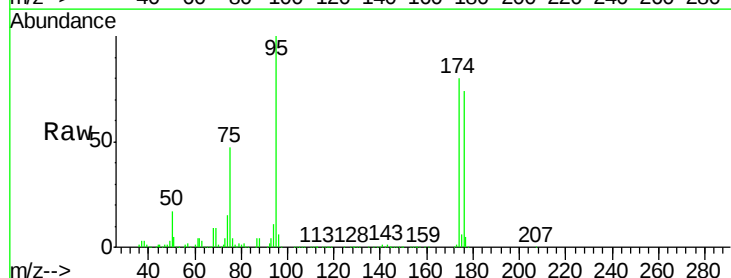
Instrument :  
MSVOA\_X  
ClientSampleId :  
TU032-32-5227-121020

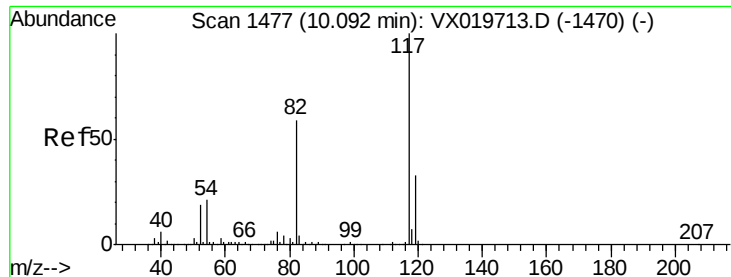
Tot Ion: 98 Resp: 621581  
Ion Ratio Lower Upper  
98 100  
100 65.7 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 46.665 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX019983.D  
Acq: 14 Dec 2020 13:55

Tgt Ion: 95 Resp: 224948  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 154.6  
176 74.2 0.0 155.8

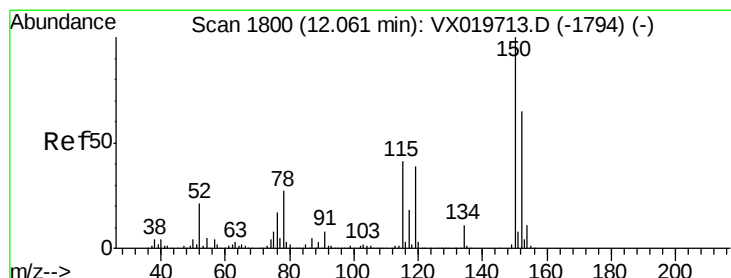
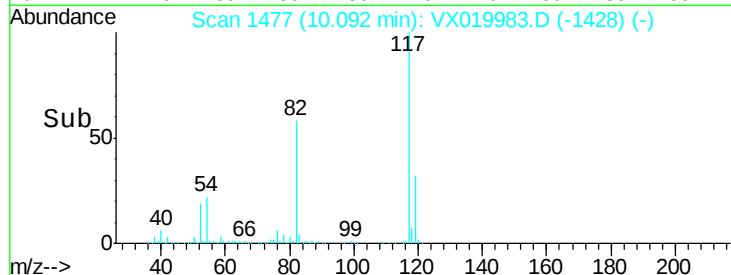
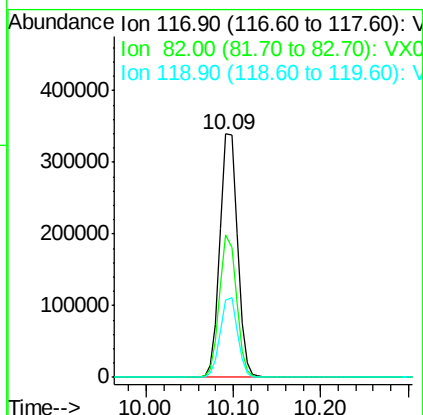
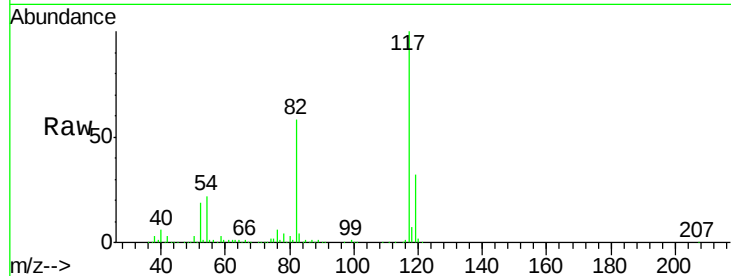




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.09 min Scan# 1477  
Delta R.T. -0.00 min  
Lab File: VX019983.D  
Acq: 14 Dec 2020 13:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
TU032-32-5227-121020

Tot Ion:117 Resp: 470285  
Ion Ratio Lower Upper  
117 100  
82 58.3 47.4 71.2  
119 31.7 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: VX019983.D  
Acq: 14 Dec 2020 13:55

Tgt Ion:152 Resp: 208900  
Ion Ratio Lower Upper  
152 100  
115 60.8 41.1 123.3  
150 158.3 0.0 349.0

