

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092419\  
 Data File : VX012634.D  
 Acq On : 24 Sep 2019 15:43  
 Operator : JC/SP  
 Sample : K5013-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S49-0546

Quant Time: Sep 25 06:04:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

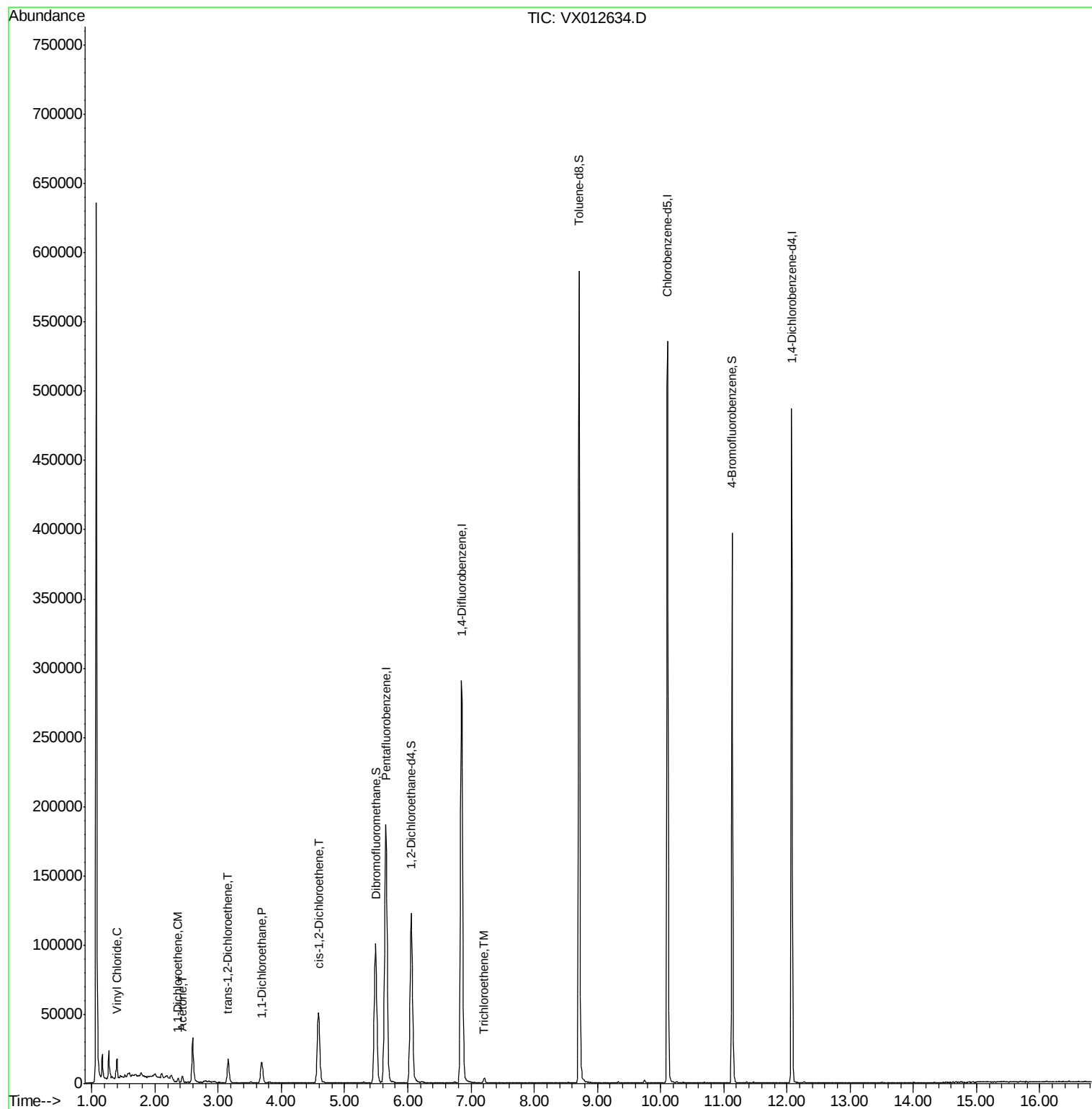
| Internal Standards           | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene        | 5.65   | 168  | 161204   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.85   | 114  | 284289   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 10.11  | 117  | 236123   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.07  | 152  | 92203    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4    | 6.05   | 65   | 120390   | 51.29  | ug/l    | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =      | 102.58% |          |
| 35) Dibromofluoromethane     | 5.49   | 113  | 85078    | 50.25  | ug/l    | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =      | 100.50% |          |
| 50) Toluene-d8               | 8.71   | 98   | 332017   | 50.92  | ug/l    | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =      | 101.84% |          |
| 62) 4-Bromofluorobenzene     | 11.14  | 95   | 111647   | 43.55  | ug/l    | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =      | 87.10%  |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        | Qvalue  |          |
| 4) Vinyl Chloride            | 1.40   | 62   | 4464     | 2.157  | ug/l    | 98       |
| 12) 1,1-Dichloroethene       | 2.36   | 96   | 1072     | 0.619  | ug/l    | 92       |
| 16) Acetone                  | 2.44   | 43   | 5244     | 4.217  | ug/l    | 98       |
| 21) trans-1,2-Dichloroethene | 3.16   | 96   | 6951     | 3.620  | ug/l    | 92       |
| 24) 1,1-Dichloroethane       | 3.69   | 63   | 17437    | 4.828  | ug/l    | 98       |
| 27) cis-1,2-Dichloroethene   | 4.59   | 96   | 31376    | 14.083 | ug/l    | 86       |
| 44) Trichloroethene          | 7.22   | 130  | 1224     | 0.594  | ug/l    | 85       |

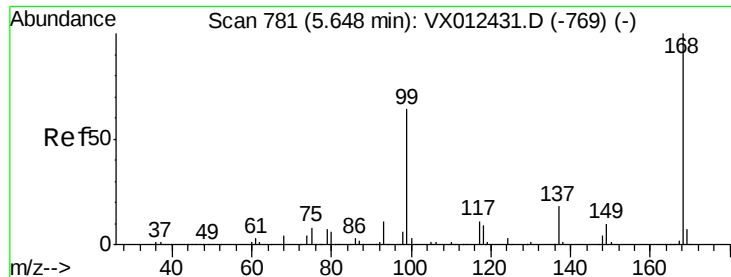
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092419\  
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S49-0546

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA\_X

ClientSampleId :

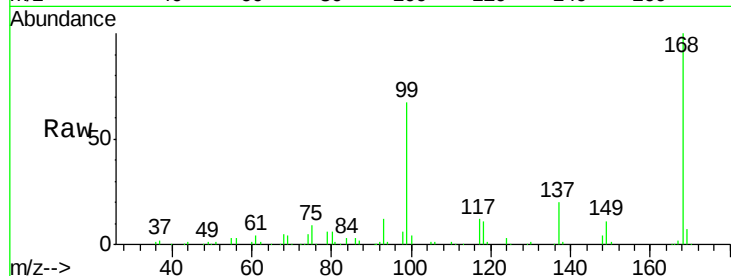
S49-0546

Tot Ion:168 Resp: 161204

Ion Ratio Lower Upper

168 100

99 66.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

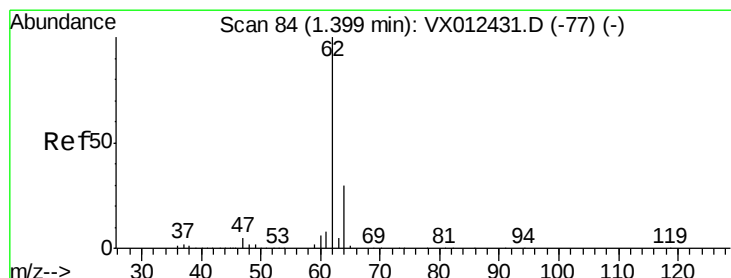
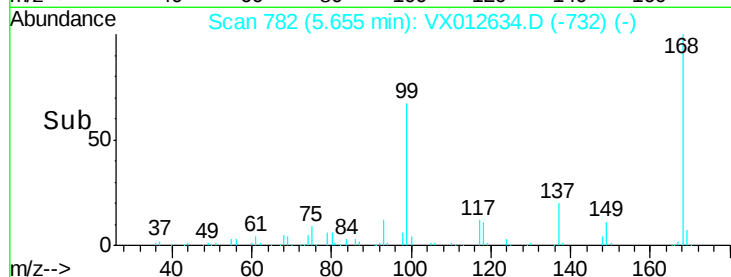
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 2.157 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012634.D

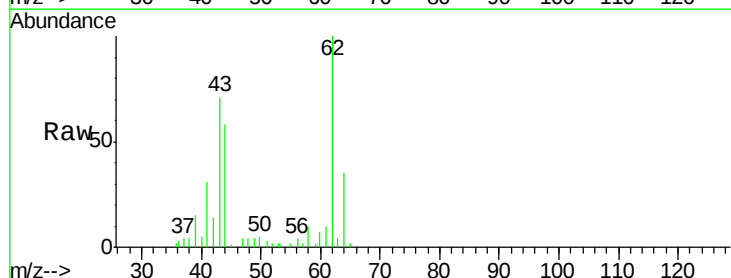
Acq: 24 Sep 2019 15:43

Tgt Ion: 62 Resp: 4464

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

5000

4000

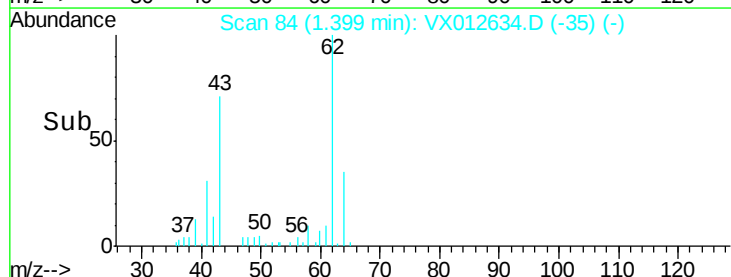
3000

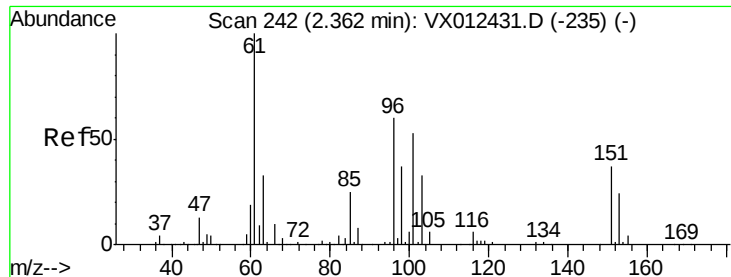
2000

1000

0

Time--> 1.35 1.40 1.45





#12

1,1-Dichloroethene

Concen: 0.619 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA\_X

ClientSampled :

S49-0546

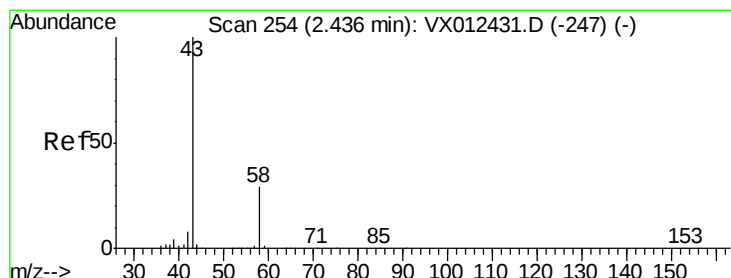
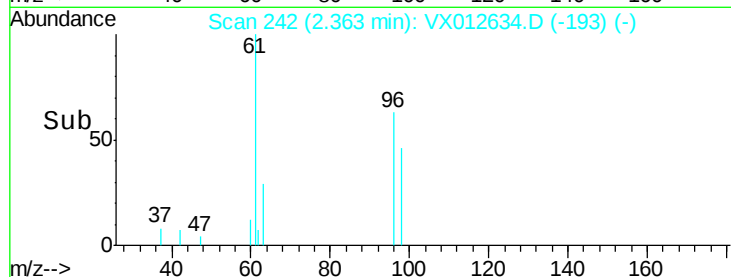
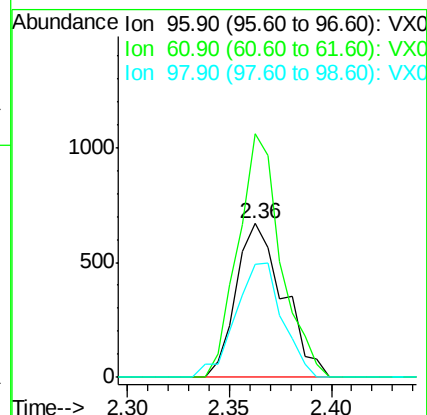
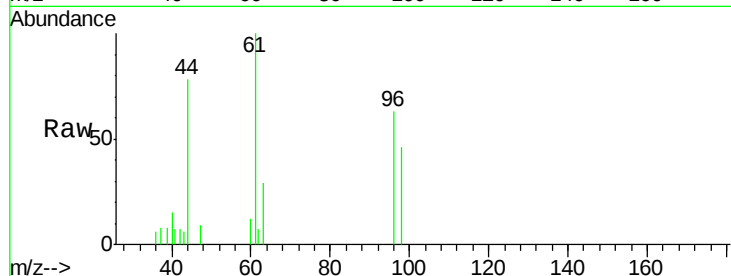
Tot Ion: 96 Resp: 1072

Ion Ratio Lower Upper

96 100

61 158.5 133.8 200.6

98 73.2 49.9 74.9



#16

Acetone

Concen: 4.217 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012634.D

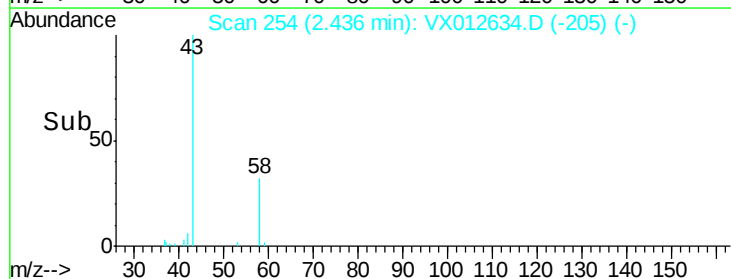
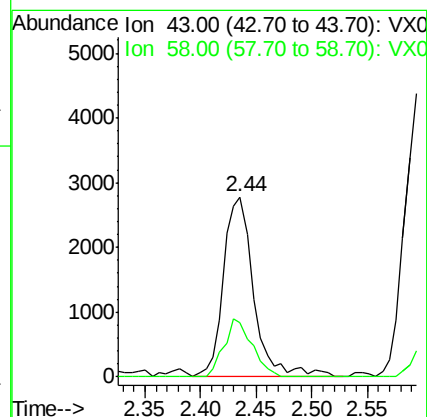
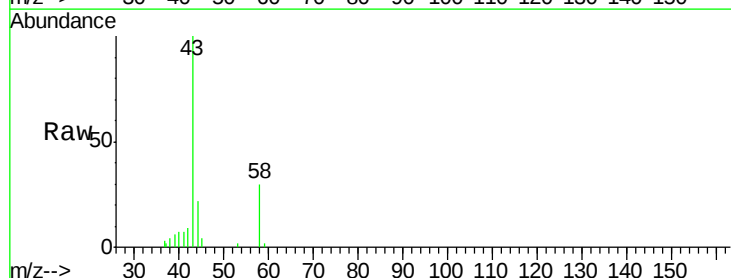
Acq: 24 Sep 2019 15:43

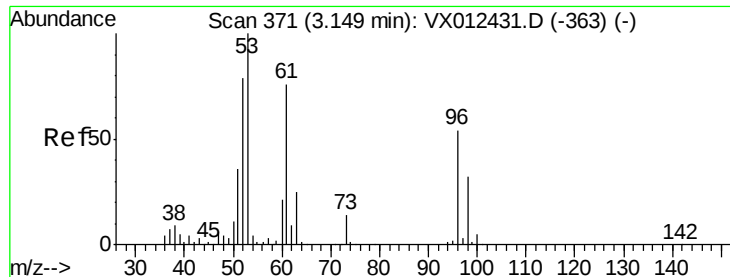
Tgt Ion: 43 Resp: 5244

Ion Ratio Lower Upper

43 100

58 30.1 23.3 34.9





#21

trans-1,2-Dichloroethene

Concen: 3.620 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA\_X

ClientSampleId :

S49-0546

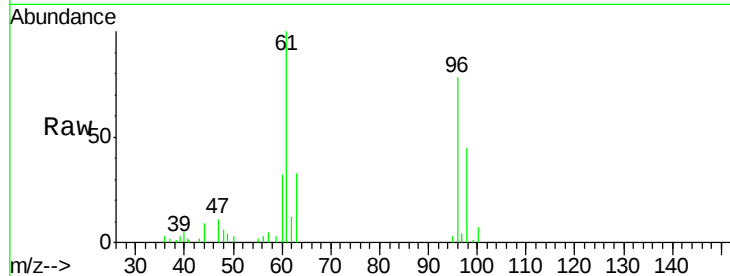
Tot Ion: 96 Resp: 6951

Ion Ratio Lower Upper

96 100

61 128.0 112.0 168.0

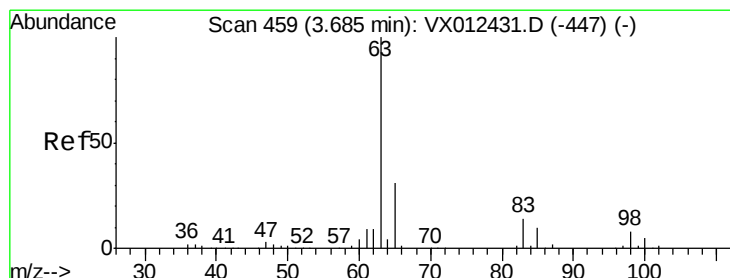
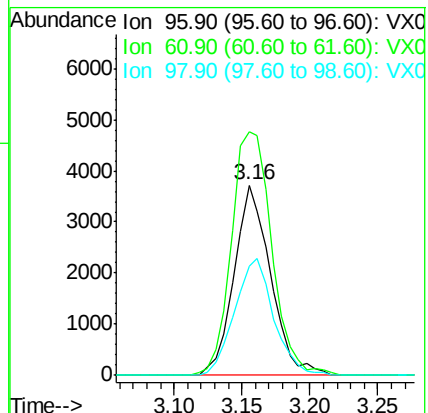
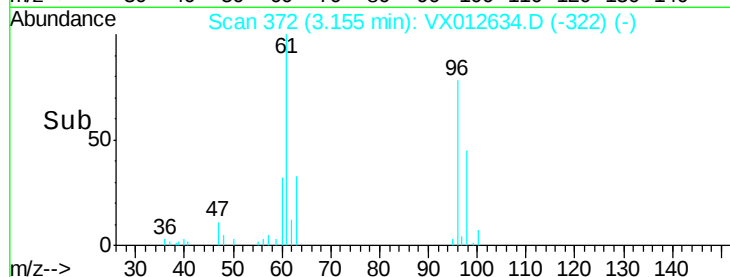
98 57.2 47.8 71.8



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



#24

1,1-Dichloroethane

Concen: 4.828 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

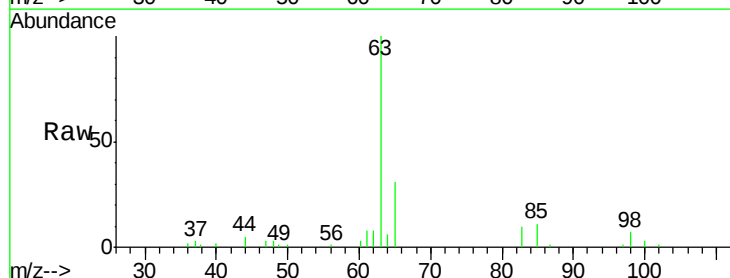
Tgt Ion: 63 Resp: 17437

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

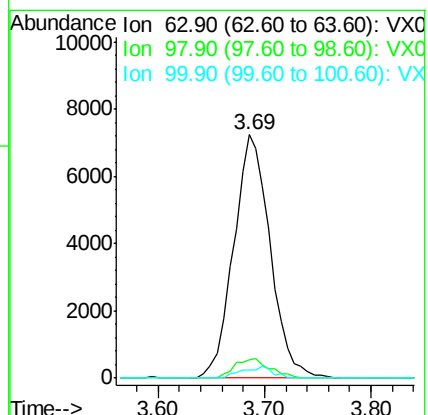
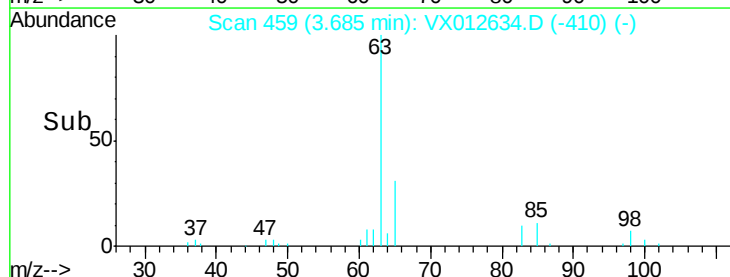
100 3.3 2.3 6.9

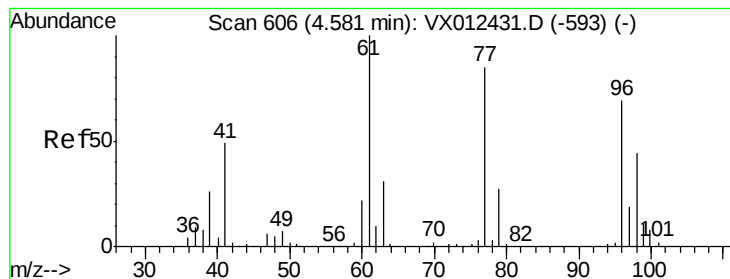


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



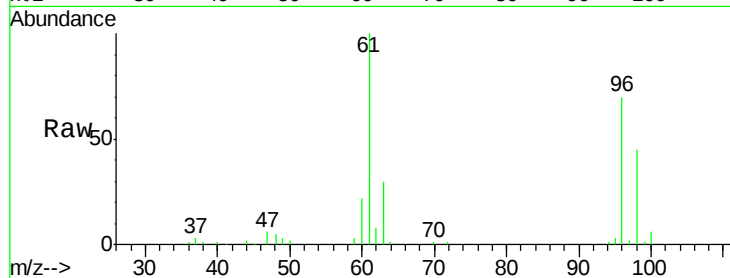


#27

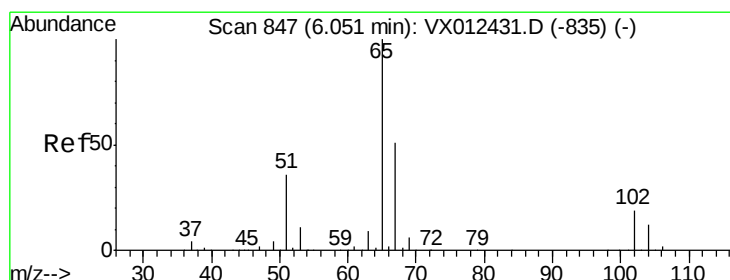
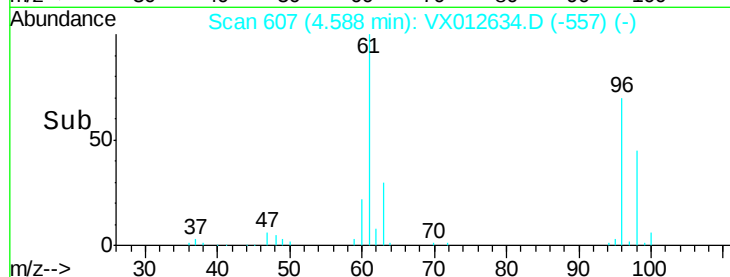
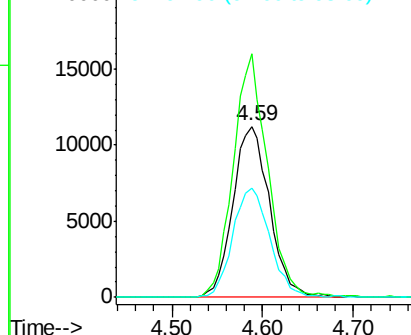
cis-1,2-Dichloroethene  
 Concen: 14.083 ug/l  
 RT: 4.59 min Scan# 607  
 Delta R.T. 0.01 min  
 Lab File: VX012634.D  
 Acq: 24 Sep 2019 15:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S49-0546

Tot Ion: 96 Resp: 31376  
 Ion Ratio Lower Upper  
 96 100  
 61 133.7 0.0 319.4  
 98 64.6 0.0 130.6



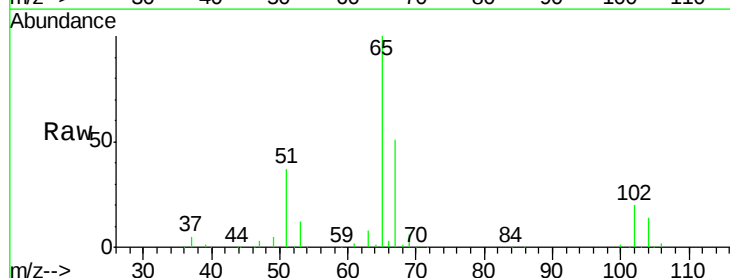
Abundance Ion 95.90 (95.60 to 96.60): VX0  
 Ion 60.90 (60.60 to 61.60): VX0  
 Ion 97.90 (97.60 to 98.60): VX0



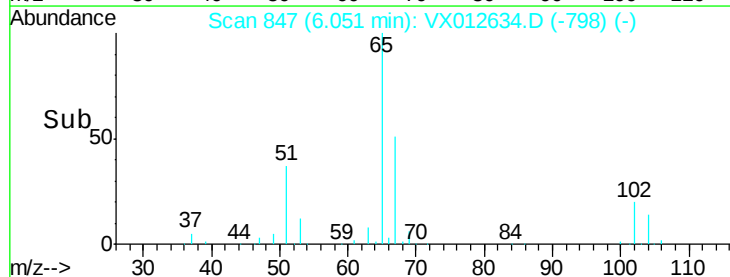
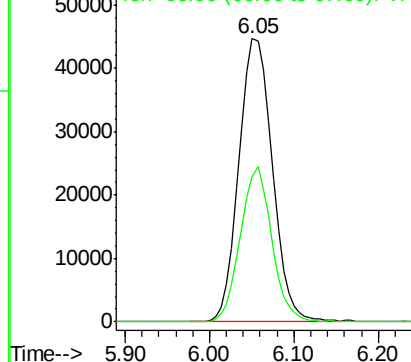
#33

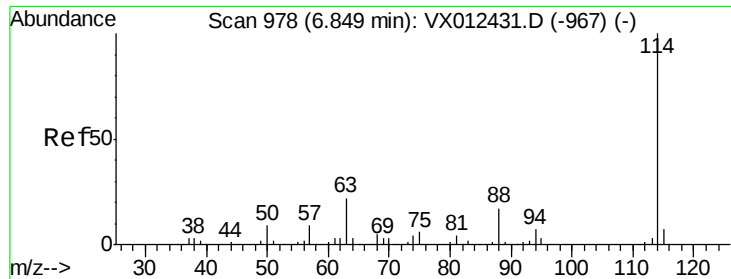
1,2-Dichloroethane-d4  
 Concen: 51.286 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX012634.D  
 Acq: 24 Sep 2019 15:43

Tgt Ion: 65 Resp: 120390  
 Ion Ratio Lower Upper  
 65 100  
 67 51.2 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0  
 Ion 66.90 (66.60 to 67.60): VX0

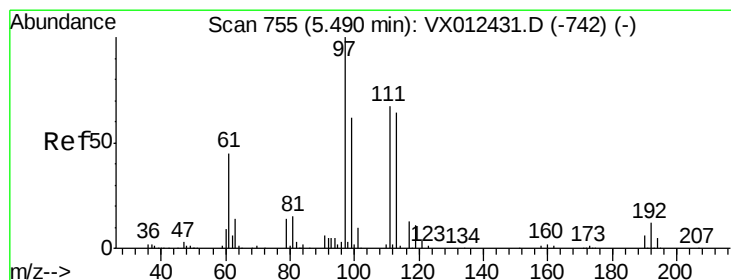
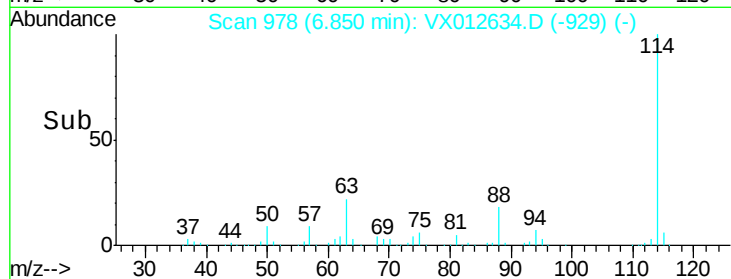
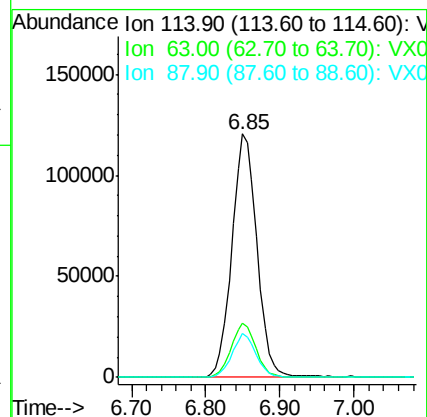
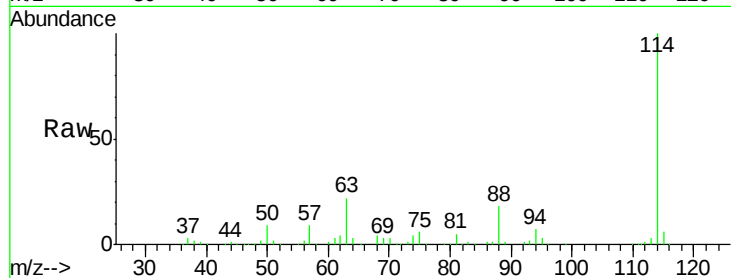




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012634.D  
 Acq: 24 Sep 2019 15:43

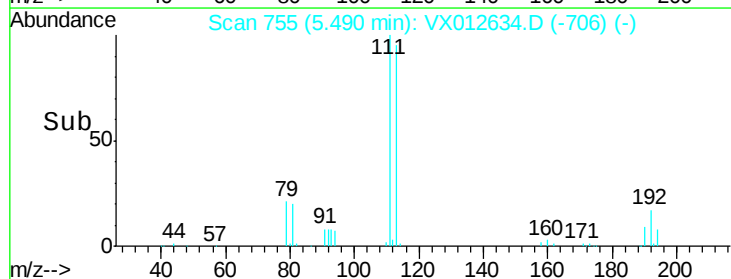
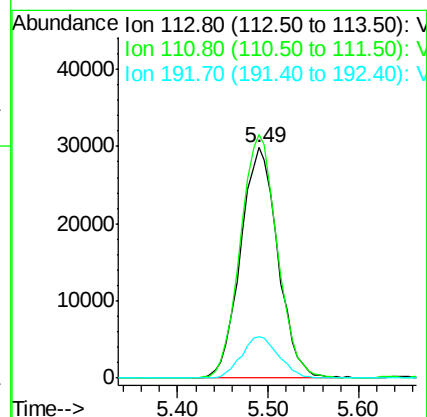
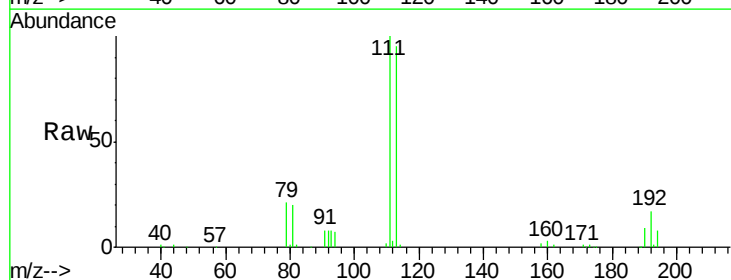
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S49-0546

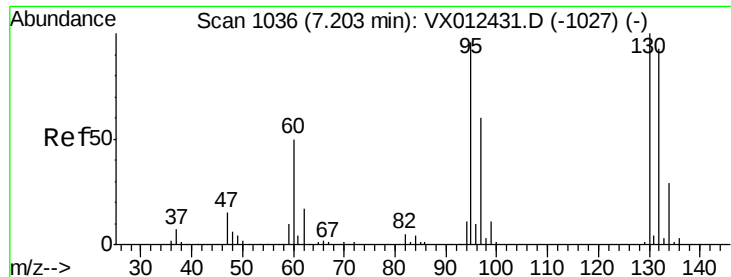
Tot Ion:114 Resp: 284289  
 Ion Ratio Lower Upper  
 114 100  
 63 22.3 0.0 43.2  
 88 17.9 0.0 33.2



#35  
 Dibromofluoromethane  
 Concen: 50.251 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX012634.D  
 Acq: 24 Sep 2019 15:43

Tgt Ion:113 Resp: 85078  
 Ion Ratio Lower Upper  
 113 100  
 111 105.0 83.4 125.2  
 192 18.1 14.4 21.6





#44

Trichloroethene

Concen: 0.594 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA\_X

ClientSampleId :

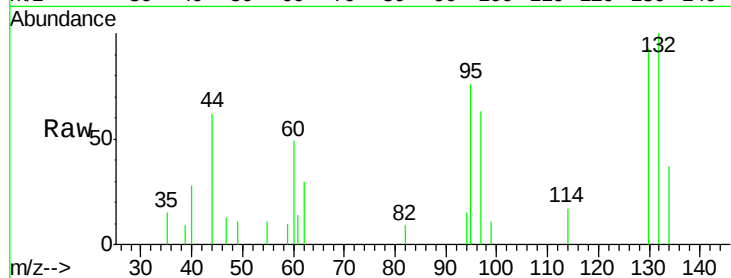
S49-0546

Tot Ion:130 Resp: 1224

Ion Ratio Lower Upper

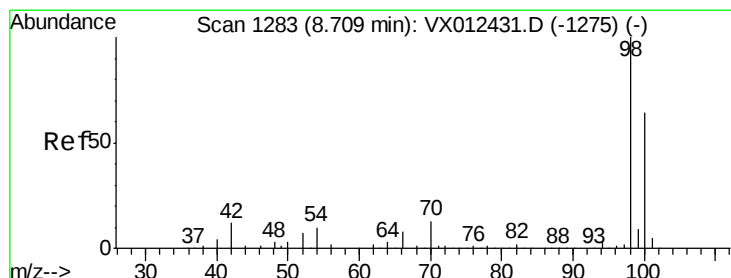
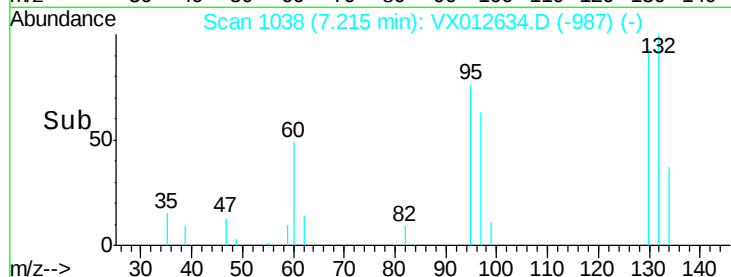
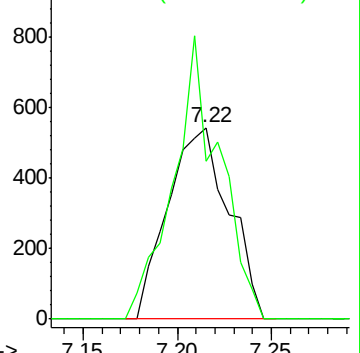
130 100

95 82.0 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.922 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012634.D

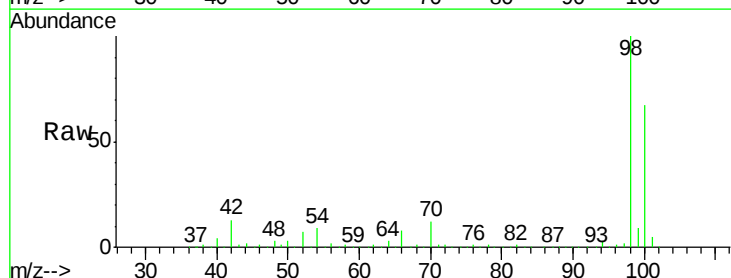
Acq: 24 Sep 2019 15:43

Tgt Ion: 98 Resp: 332017

Ion Ratio Lower Upper

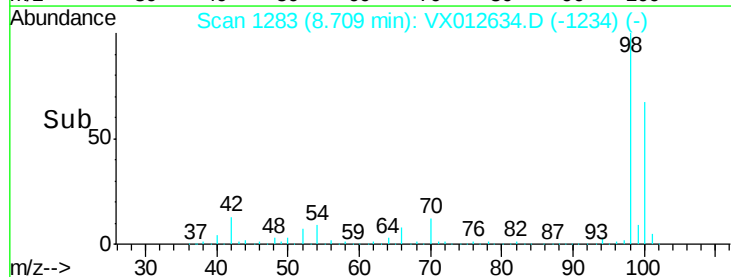
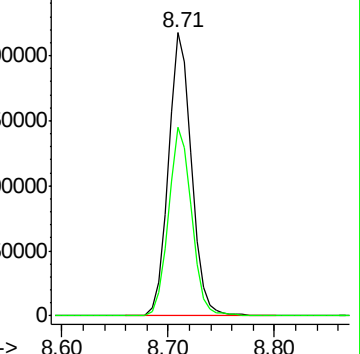
98 100

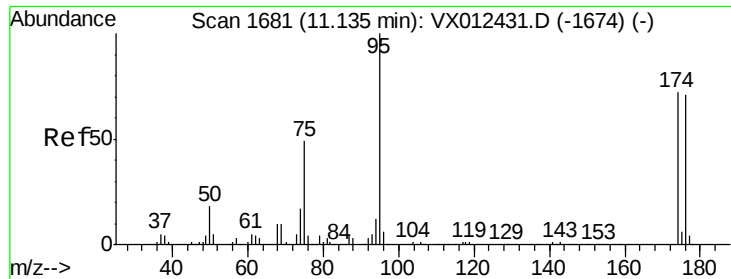
100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

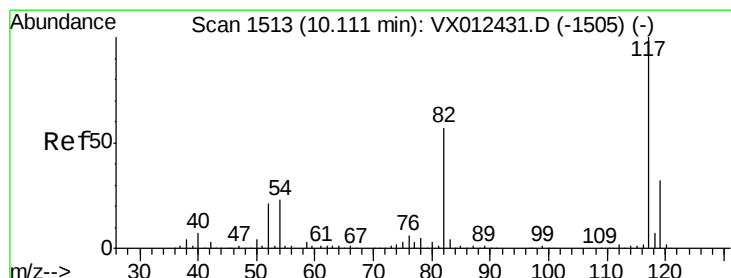
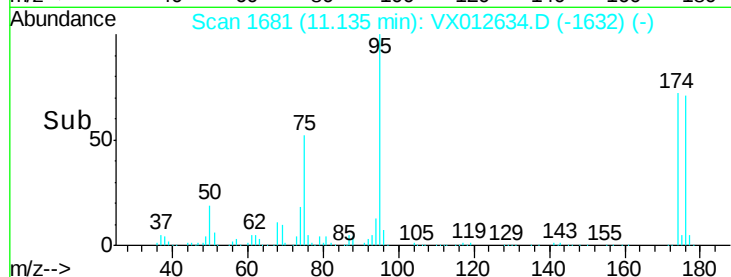
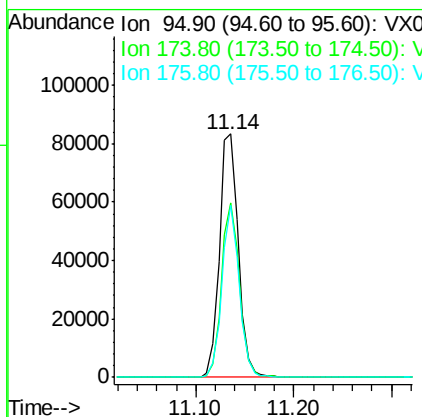
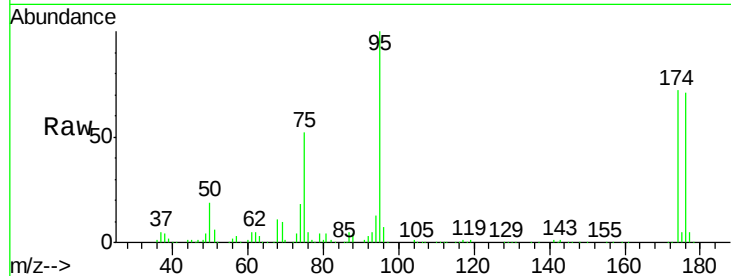




#62  
4-Bromofluorobenzene  
Concen: 43.549 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX012634.D  
Acq: 24 Sep 2019 15:43

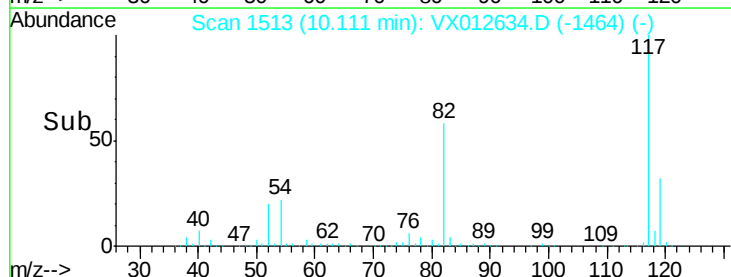
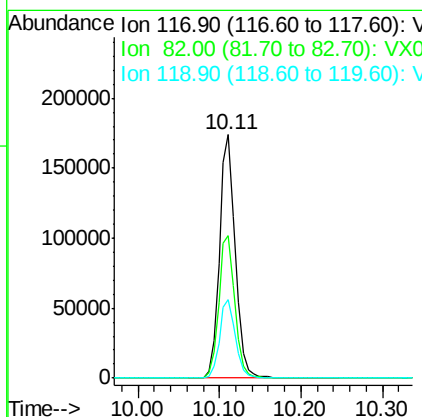
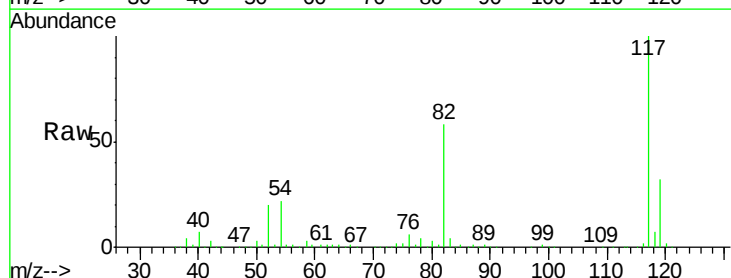
Instrument :  
MSVOA\_X  
ClientSampled :  
S49-0546

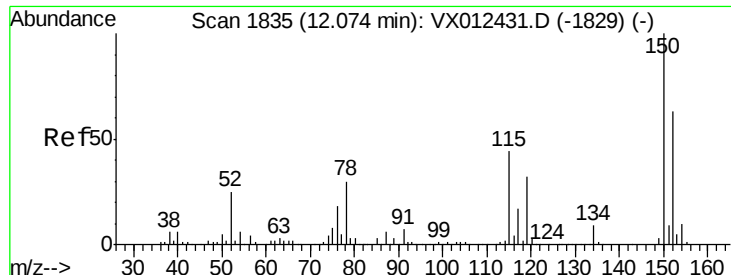
Tot Ion: 95 Resp: 111647  
Ion Ratio Lower Upper  
95 100  
174 68.0 0.0 140.0  
176 64.7 0.0 135.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012634.D  
Acq: 24 Sep 2019 15:43

Tgt Ion: 117 Resp: 236123  
Ion Ratio Lower Upper  
117 100  
82 58.3 45.9 68.9  
119 32.2 25.3 37.9

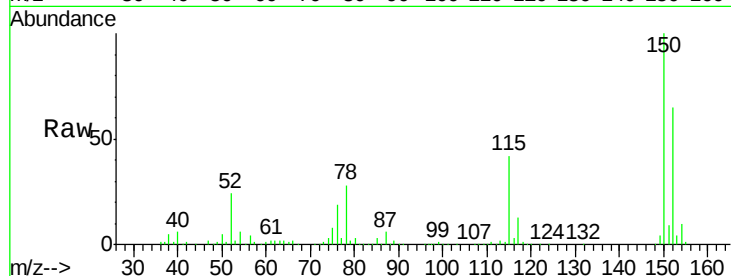




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX012634.D  
 Acq: 24 Sep 2019 15:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S49-0546

Tot Ion:152 Resp: 92203  
 Ion Ratio Lower Upper  
 152 100  
 115 64.7 44.1 132.3  
 150 155.1 0.0 343.8



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

