

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\  
 Data File : VY003291.D  
 Acq On : 22 Jul 2020 16:21  
 Operator : SY/MD  
 Sample : L3366-03RE  
 Misc : 7.25G/5ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-1ARE

Quant Time: Jul 23 05:43:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 13:18:03 2020  
 Response via : Initial Calibration

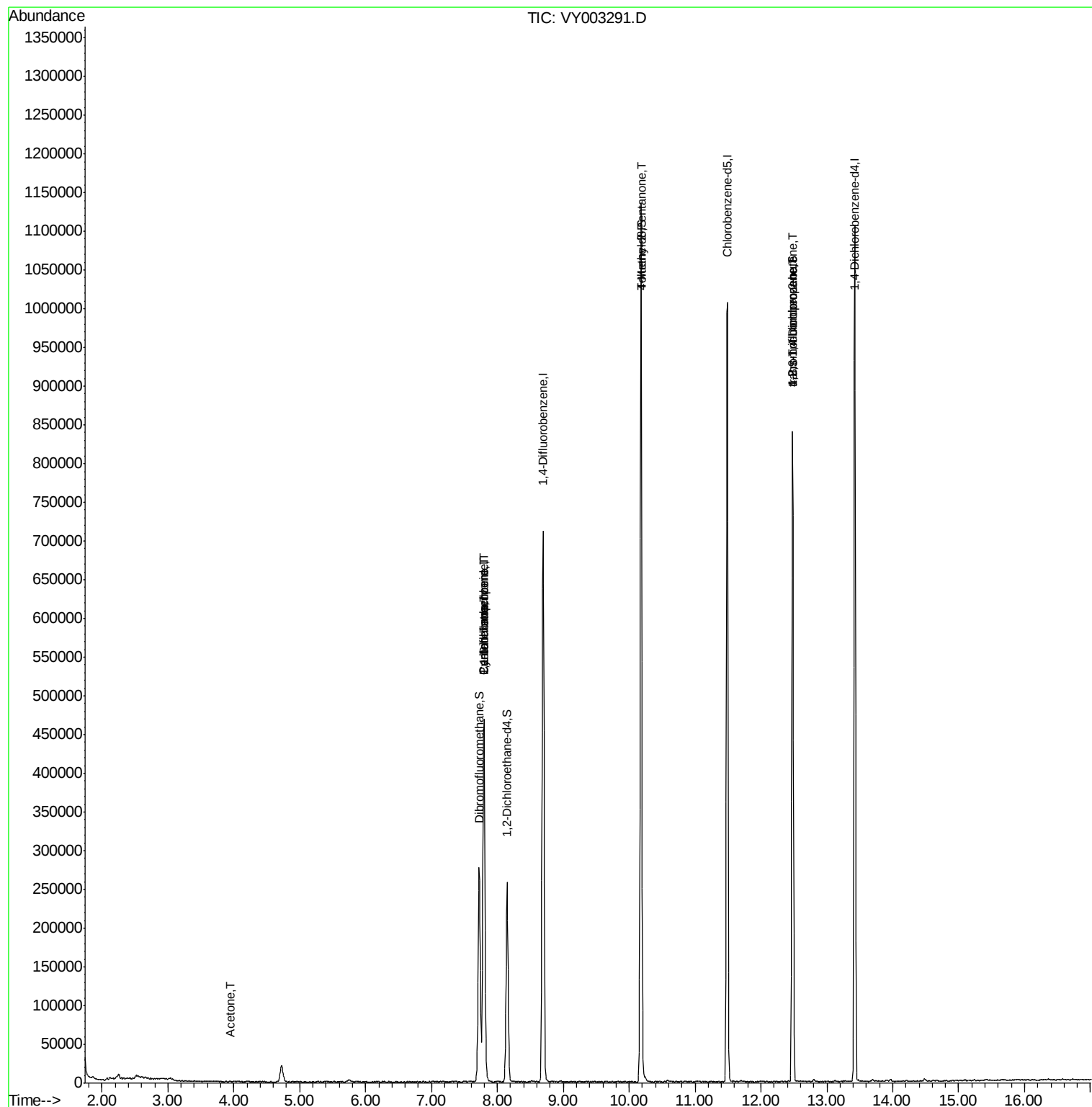
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.80  | 168  | 386994   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.69  | 114  | 615620   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.49 | 117  | 566120   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.42 | 152  | 277769   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.14  | 65   | 199508   | 61.08     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 122.16% |          |
| 35) Dibromofluoromethane       | 7.72  | 113  | 189528   | 53.50     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 107.00% |          |
| 50) Toluene-d8                 | 10.18 | 98   | 745902   | 56.63     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 113.26% |          |
| 62) 4-Bromofluorobenzene       | 12.48 | 95   | 236491   | 49.70     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 99.40%  |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 16) Acetone                    | 3.96  | 43   | 1130     | 1.549     | ug/l #  | 45       |
| 20) Methylene Chloride         | 4.73  | 84   | 16132    | Below Cal |         | 89       |
| 31) Cyclohexane                | 7.79  | 56   | 7461     | 1.256     | ug/l #  | 25       |
| 36) 1,1-Dichloropropene        | 7.80  | 75   | 26635    | 4.774     | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 35150    | 6.102     | ug/l #  | 17       |
| 51) 4-Methyl-2-Pentanone       | 10.18 | 43   | 3171     | 1.049     | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane     | 12.48 | 75   | 124433   | 50.609    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75   | 124433   | 98.494    | ug/l #  | 13       |

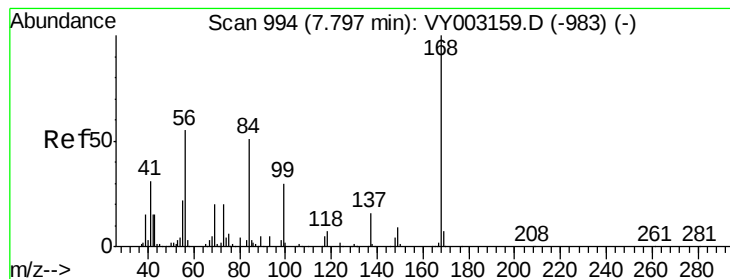
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SP-1ARE

Quant Time: Jul 23 05:43:41 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 10 13:18:03 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003291.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA\_Y

ClientSampleId :

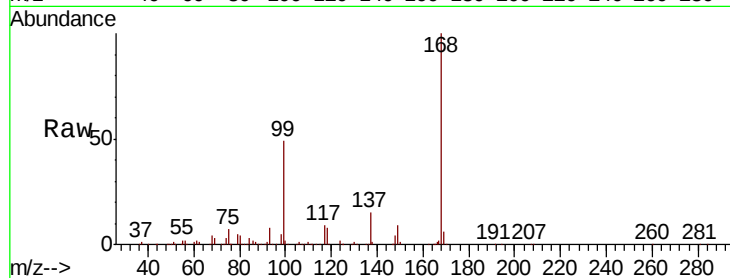
SP-1ARE

Tot Ion:168 Resp: 386994

Ion Ratio Lower Upper

168 100

99 49.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003291.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003291.D (-945) (-)

7.80

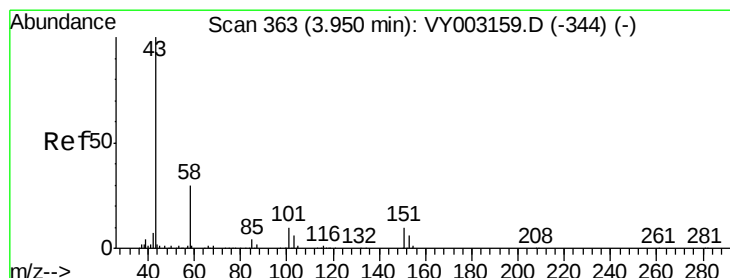
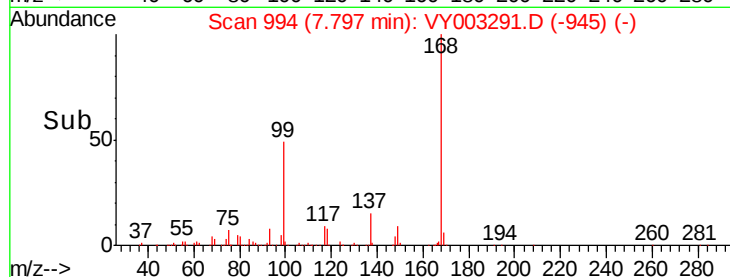
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.549 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003291.D

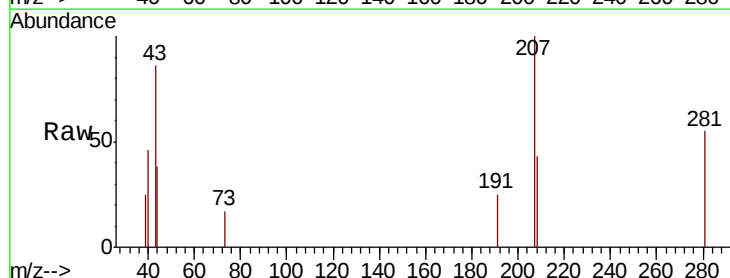
Acq: 22 Jul 2020 16:21

Tgt Ion: 43 Resp: 1130

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY003291.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003291.D (-314) (-)

3.96

400

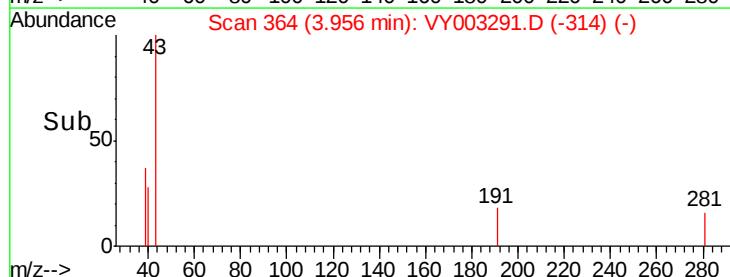
300

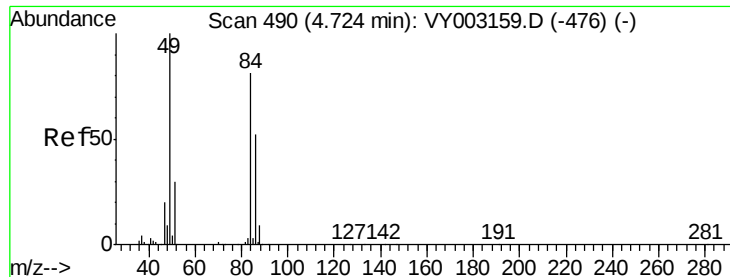
200

100

0

Time-->

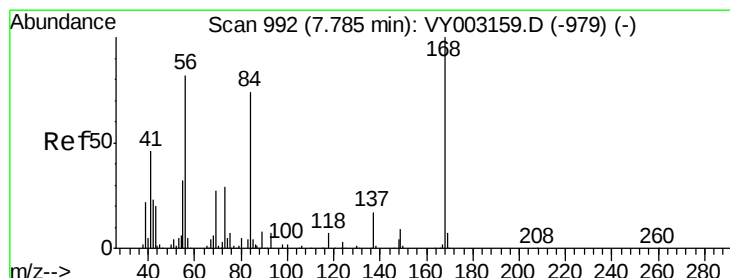
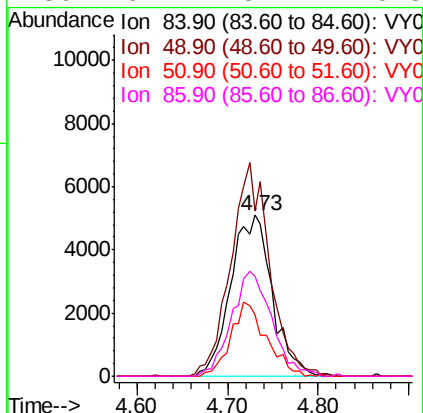
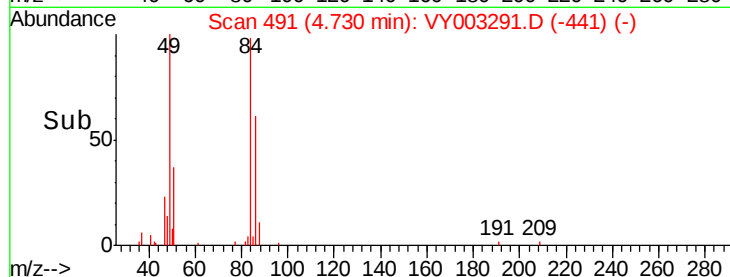
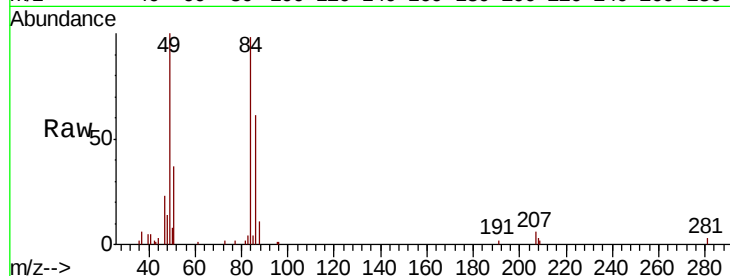




#20  
Methvlene Chloride  
Concen: Below Cal  
RT: 4.73 min Scan# 491  
Delta R.T. 0.01 min  
Lab File: VY003291.D  
Acq: 22 Jul 2020 16:21

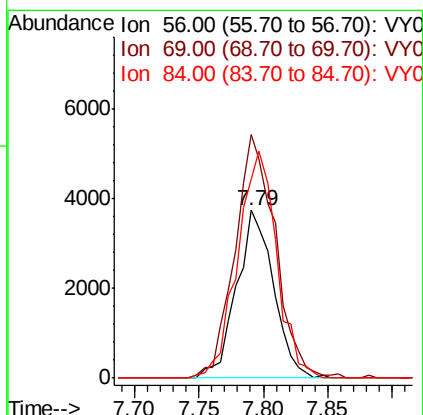
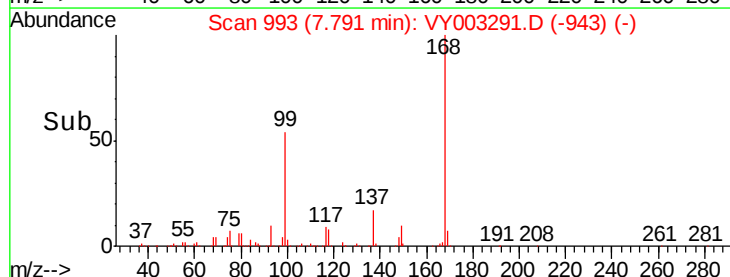
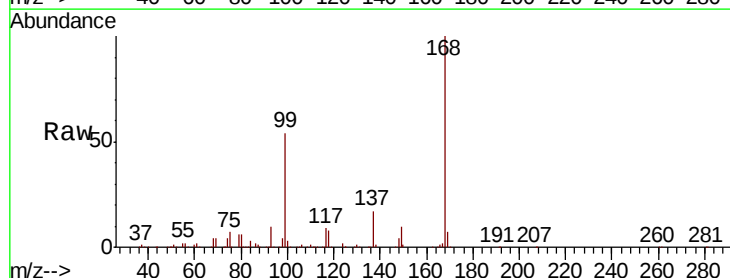
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-1ARE

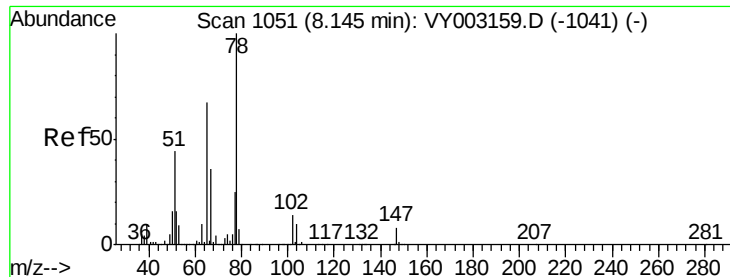
Tot Ion: 84 Resp: 16132  
Ion Ratio Lower Upper  
84 100  
49 102.3 98.2 147.4  
51 38.2 29.8 44.6  
86 62.2 51.2 76.8



#31  
Cyclohexane  
Concen: 1.256 ug/l  
RT: 7.79 min Scan# 993  
Delta R.T. 0.01 min  
Lab File: VY003291.D  
Acq: 22 Jul 2020 16:21

Tgt Ion: 56 Resp: 7461  
Ion Ratio Lower Upper  
56 100  
69 145.0 26.7 40.1#  
84 118.4 72.3 108.5#

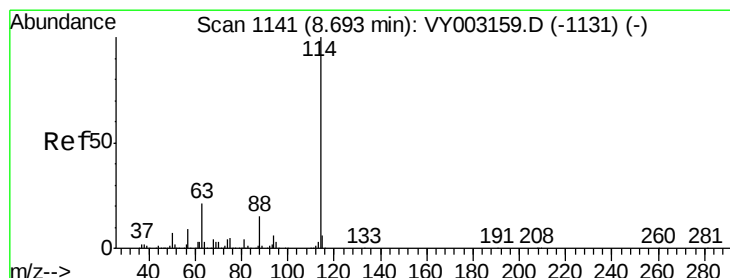
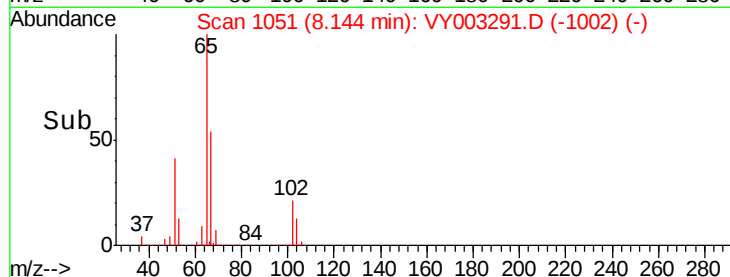
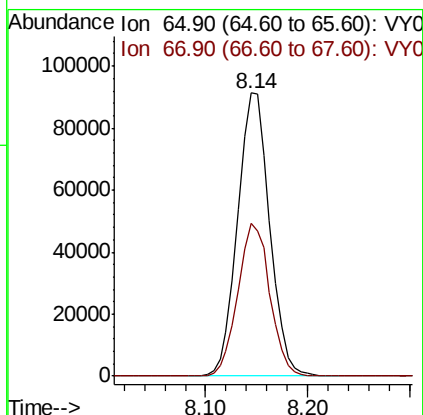
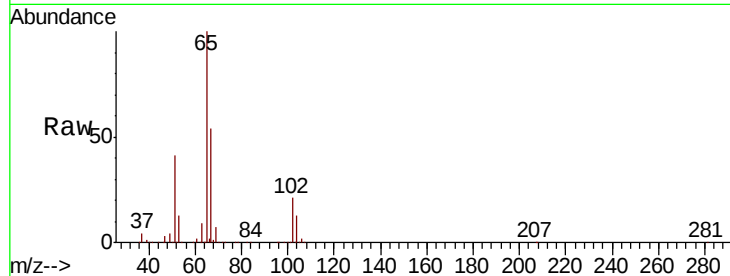




#33  
 1,2-Dichloroethane-d4  
 Concen: 61.080 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VY003291.D  
 Acq: 22 Jul 2020 16:21

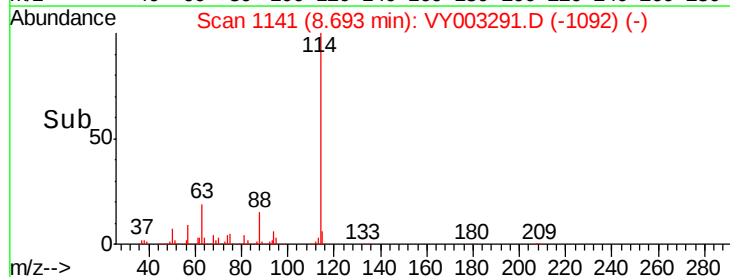
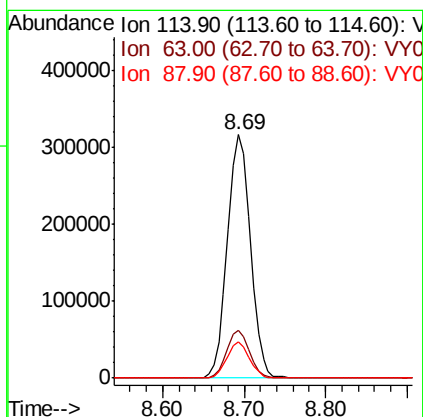
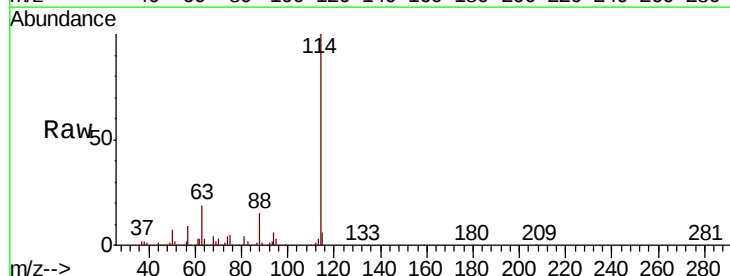
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 SP-1ARE

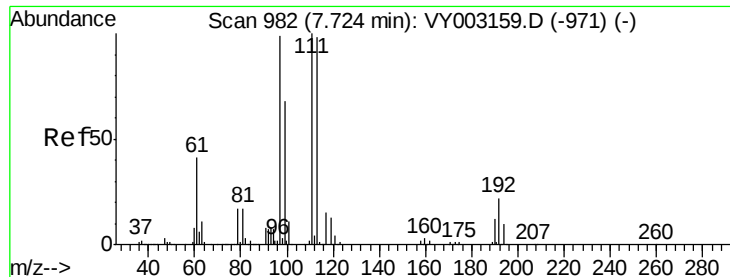
Tot Ion: 65 Resp: 199508  
 Ion Ratio Lower Upper  
 65 100  
 67 54.0 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY003291.D  
 Acq: 22 Jul 2020 16:21

Tgt Ion: 114 Resp: 615620  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 41.2  
 88 14.8 0.0 30.2

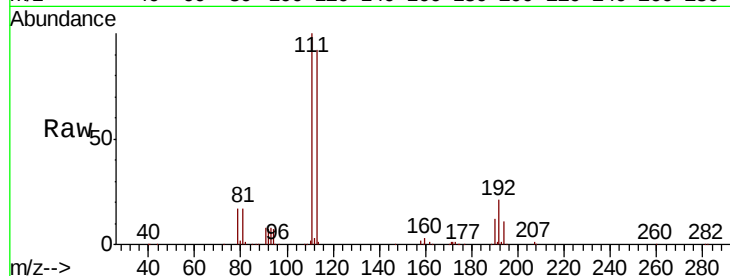




#35  
 Dibromofluoromethane  
 Concen: 53.498 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VY003291.D  
 Acq: 22 Jul 2020 16:21

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-1ARE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 82.1  | 123.1 |
| 192     | 22.6  | 18.8  | 28.2  |

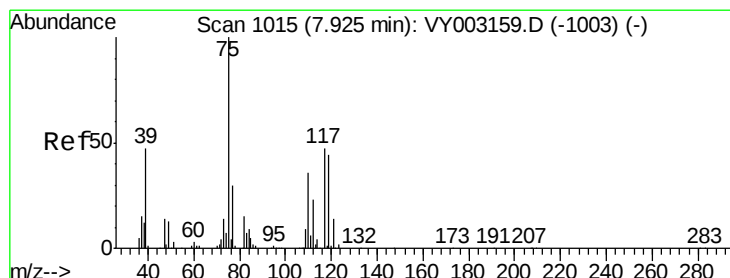
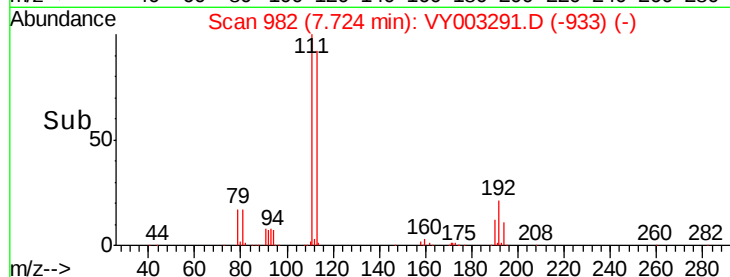
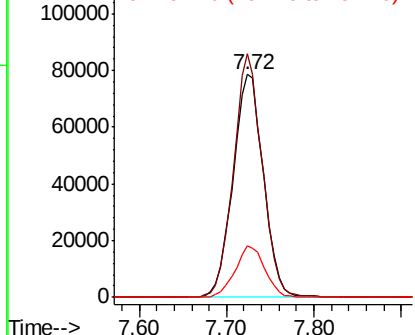


Abundance

Ion 112.80 (112.50 to 113.50): V

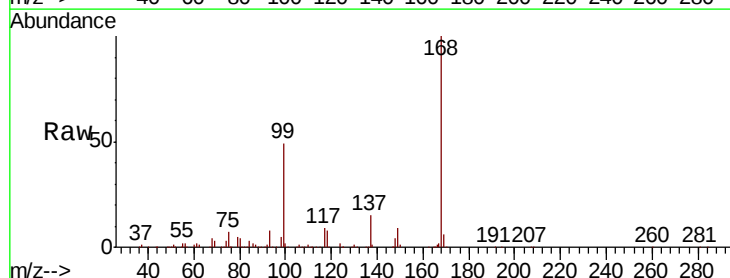
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 4.774 ug/l  
 RT: 7.80 min Scan# 994  
 Delta R.T. -0.13 min  
 Lab File: VY003291.D  
 Acq: 22 Jul 2020 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.5   | 18.1  | 54.1# |
| 77      | 0.0   | 24.8  | 37.2# |

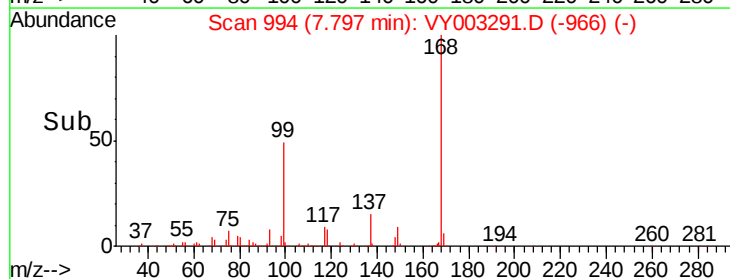
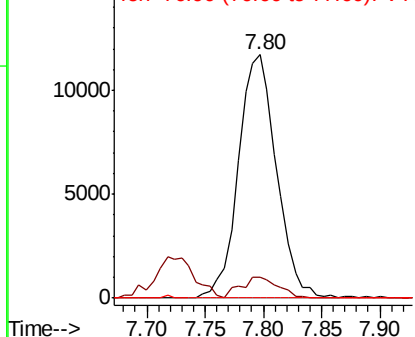


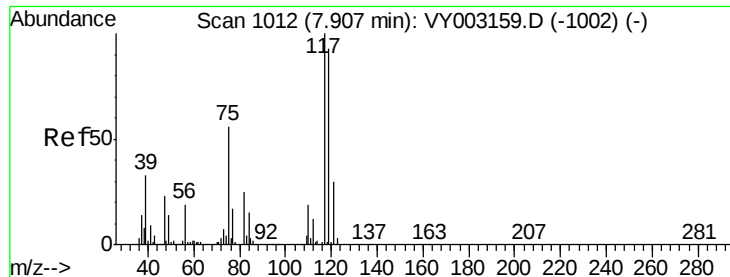
Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.102 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003291.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA\_Y

ClientSampleId :

SP-1ARE

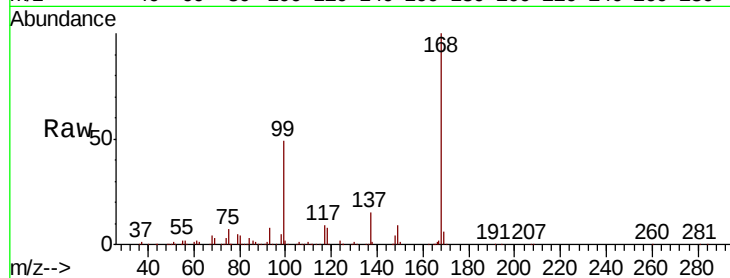
Tot Ion:117 Resp: 35150

Ion Ratio Lower Upper

117 100

119 4.8 74.5 111.7#

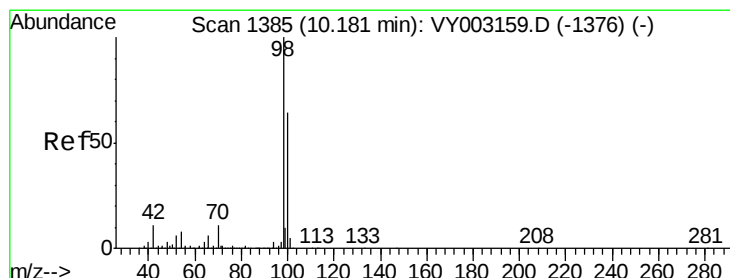
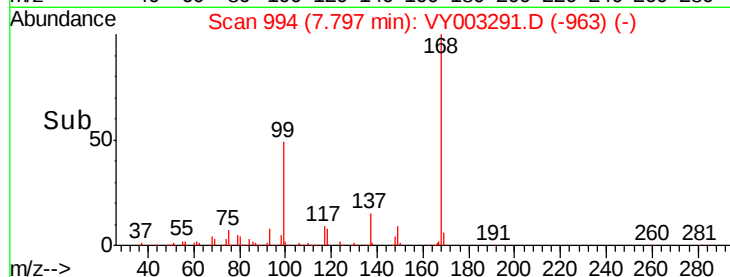
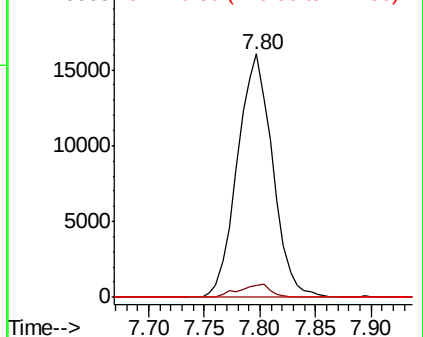
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 56.631 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003291.D

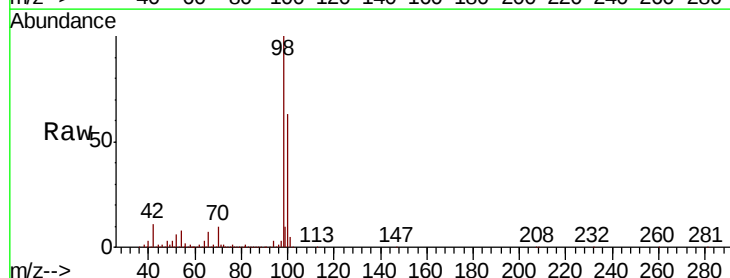
Acq: 22 Jul 2020 16:21

Tgt Ion: 98 Resp: 745902

Ion Ratio Lower Upper

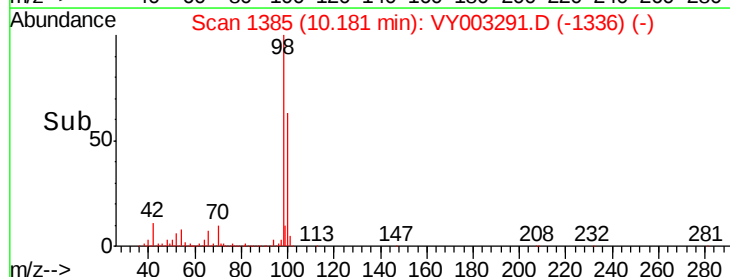
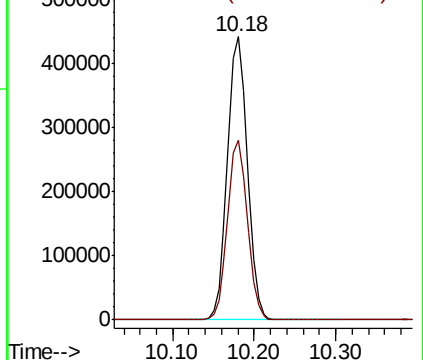
98 100

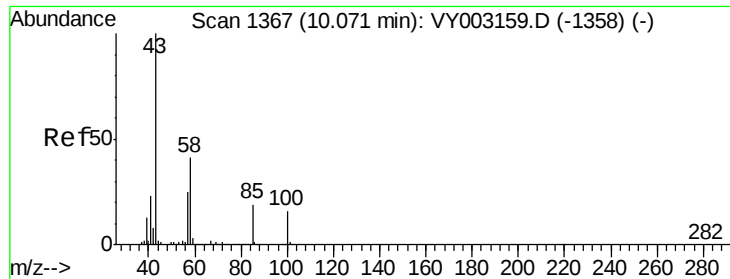
100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.049 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.11 min

Lab File: VY003291.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA\_Y

ClientSampleId :

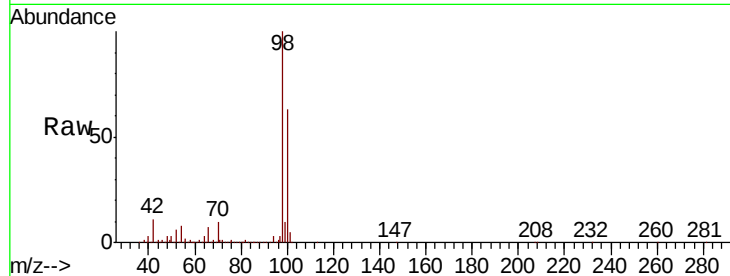
SP-1ARE

Tot Ion: 43 Resp: 3171

Ion Ratio Lower Upper

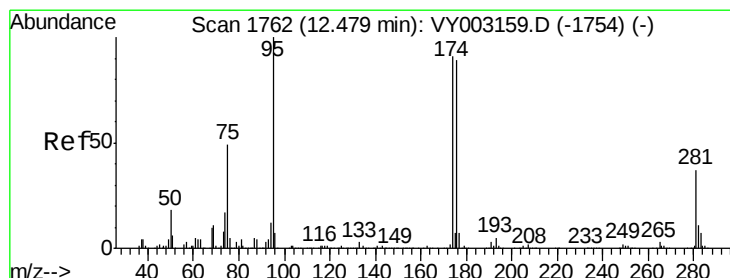
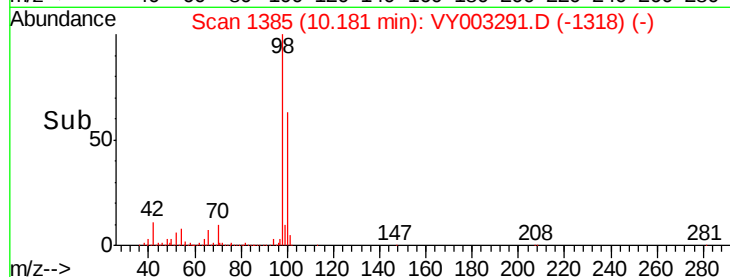
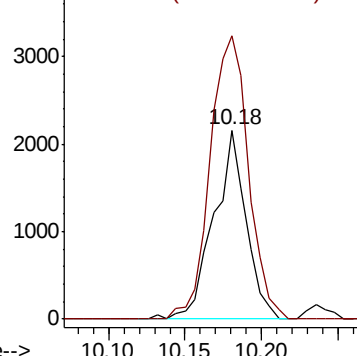
43 100

58 177.6 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 49.701 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003291.D

Acq: 22 Jul 2020 16:21

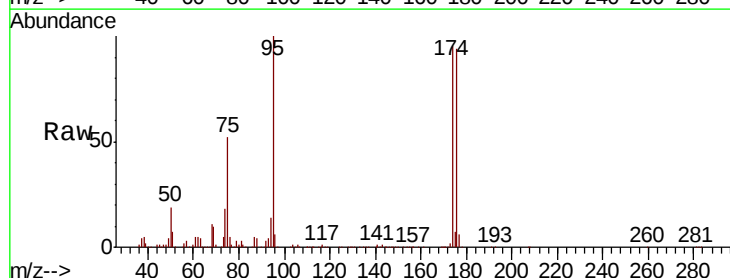
Tgt Ion: 95 Resp: 236491

Ion Ratio Lower Upper

95 100

174 96.7 0.0 190.6

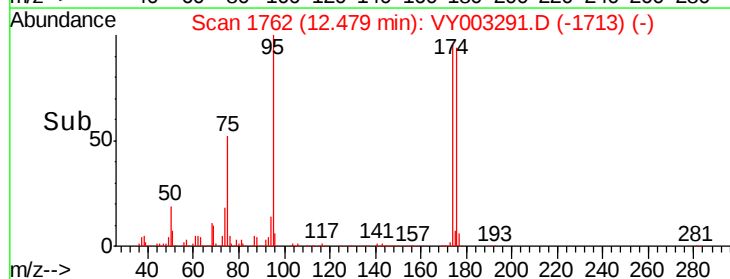
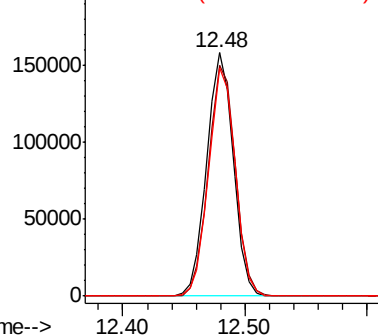
176 93.7 0.0 186.4

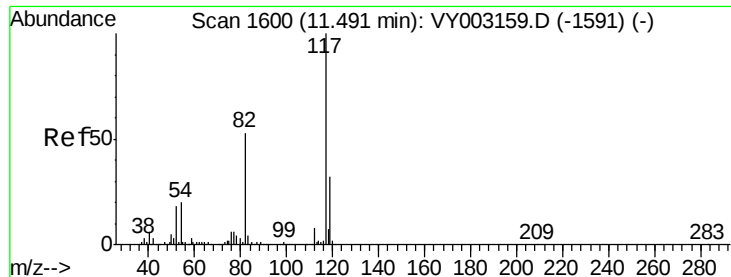


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

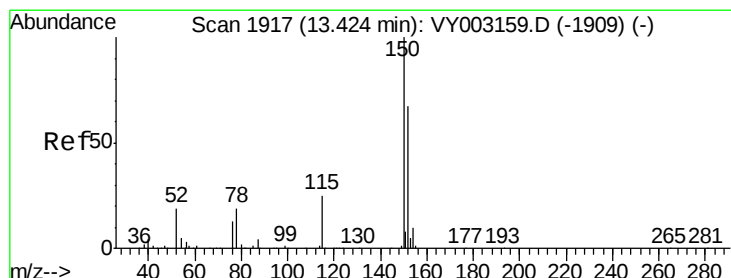
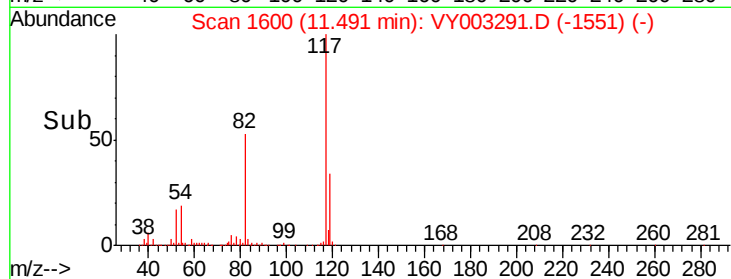
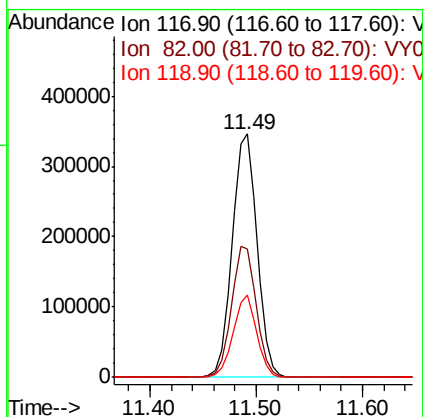
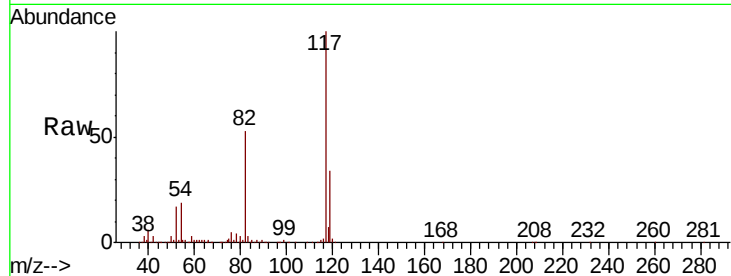




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003291.D  
Acq: 22 Jul 2020 16:21

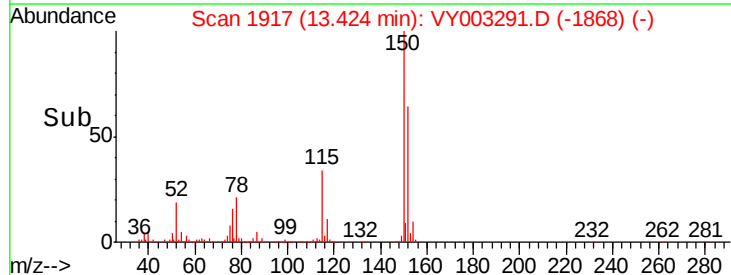
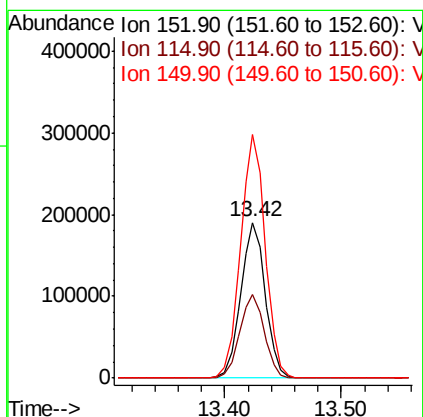
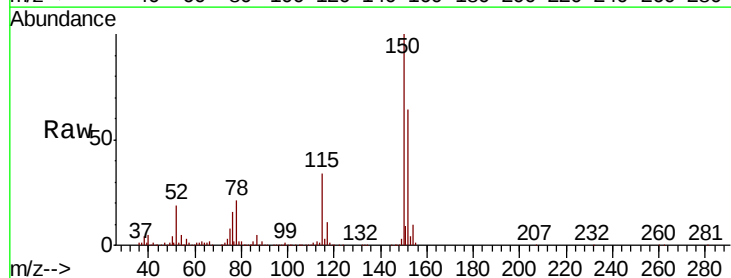
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-1ARE

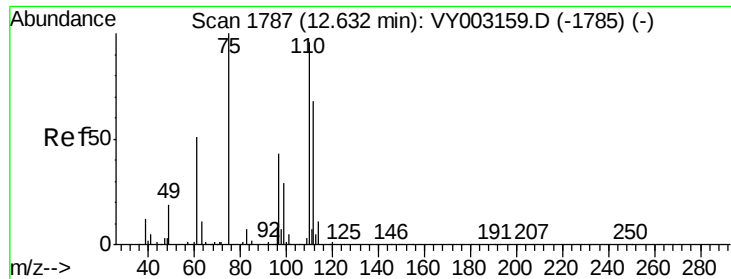
Tot Ion:117 Resp: 566120  
Ion Ratio Lower Upper  
117 100  
82 53.0 42.0 63.0  
119 33.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY003291.D  
Acq: 22 Jul 2020 16:21

Tgt Ion:152 Resp: 277769  
Ion Ratio Lower Upper  
152 100  
115 54.2 26.9 80.7  
150 157.7 0.0 338.0

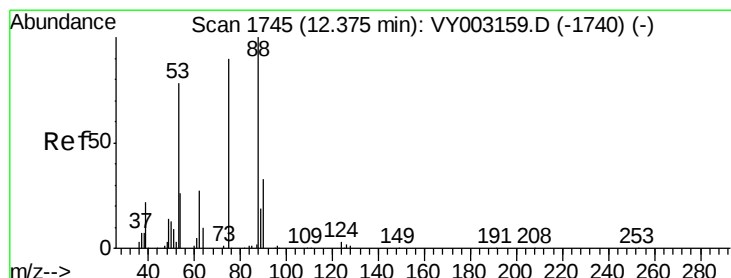
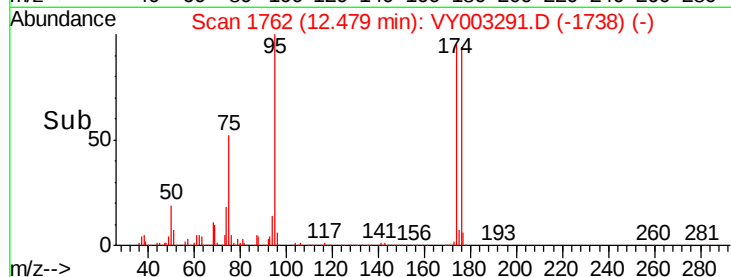
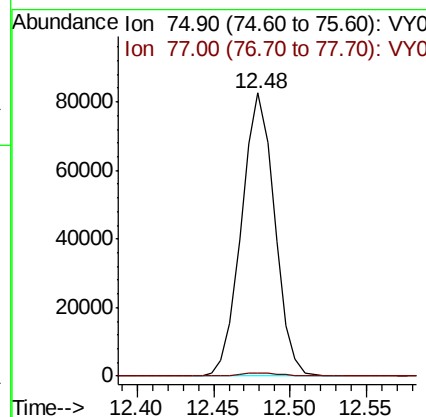
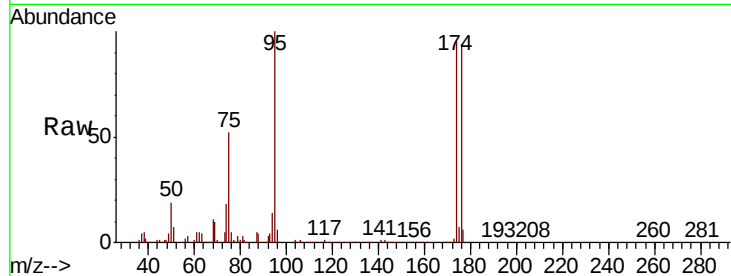




#76  
 1,2,3-Trichloropropane  
 Concen: 50.609 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. -0.15 min  
 Lab File: VY003291.D  
 Acq: 22 Jul 2020 16:21

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-1ARE

Tot Ion: 75 Resp: 124433  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 98.494 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.10 min  
 Lab File: VY003291.D  
 Acq: 22 Jul 2020 16:21

Tgt Ion: 75 Resp: 124433  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.0 108.0#  
 89 0.0 37.3 55.9#

