

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072120\  
 Data File : VY003270.D  
 Acq On : 21 Jul 2020 23:38  
 Operator : SY/MD  
 Sample : L3366-03  
 Misc : 7.10G/5ML/MSVOA Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-1A

Quant Time: Jul 22 02:48:54 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

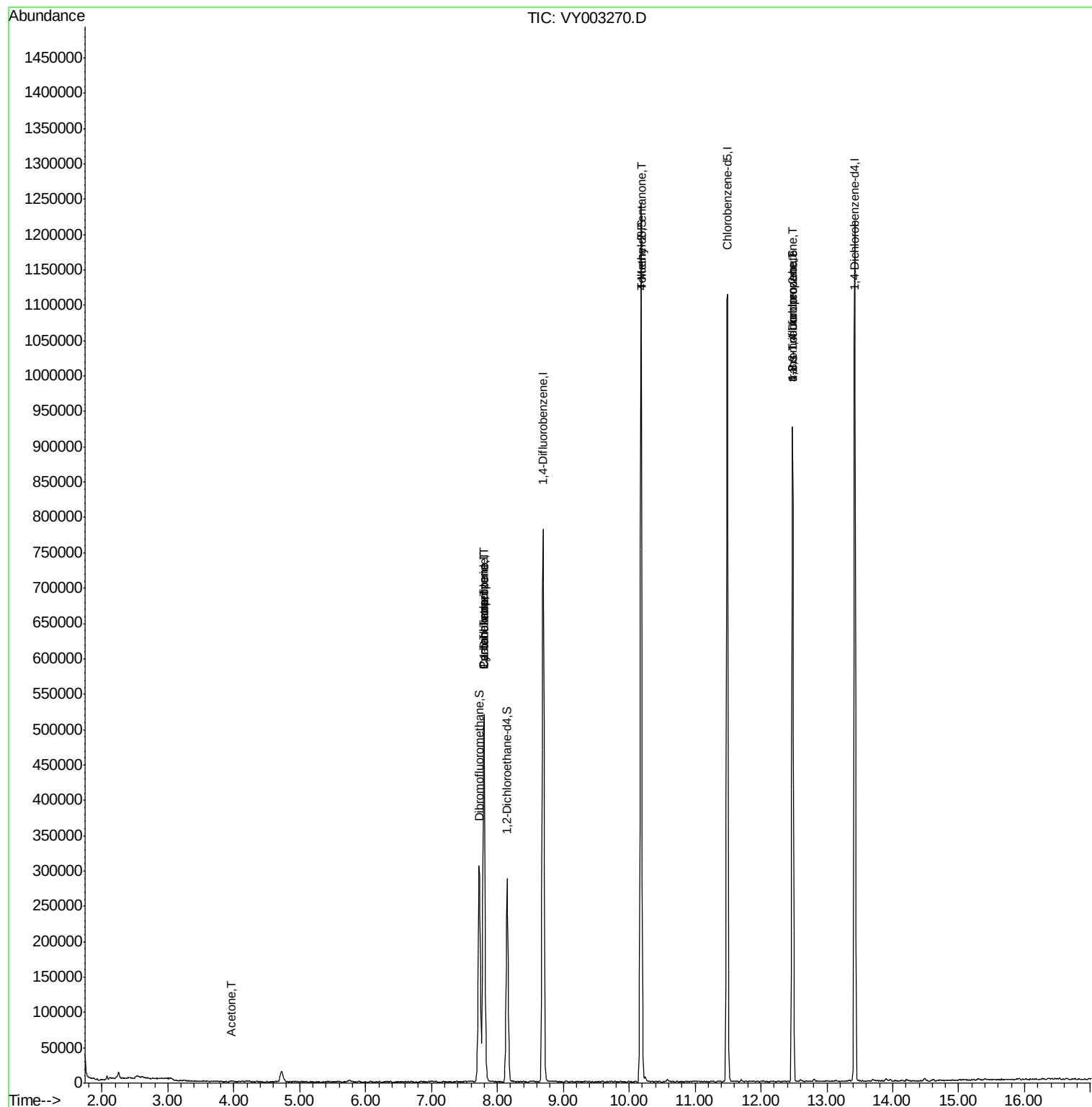
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.80  | 168  | 422134   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.69  | 114  | 668895   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.49 | 117  | 623188   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.42 | 152  | 313119   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.14  | 65   | 221540   | 62.18     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 124.36% |          |
| 35) Dibromofluoromethane       | 7.72  | 113  | 211384   | 54.91     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 109.82% |          |
| 50) Toluene-d8                 | 10.18 | 98   | 819935   | 57.29     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 114.58% |          |
| 62) 4-Bromofluorobenzene       | 12.48 | 95   | 267402   | 51.72     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 103.44% |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 16) Acetone                    | 3.96  | 43   | 2249     | 2.826     | ug/l #  | 86       |
| 20) Methylene Chloride         | 4.73  | 84   | 11392    | Below Cal | #       | 88       |
| 31) Cyclohexane                | 7.79  | 56   | 7629     | 1.177     | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.80  | 75   | 29033    | 4.789     | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 38736    | 6.189     | ug/l #  | 18       |
| 51) 4-Methyl-2-Pentanone       | 10.17 | 43   | 3439     | 1.047     | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane     | 12.48 | 75   | 137546   | 49.626    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75   | 137546   | 96.582    | ug/l #  | 13       |

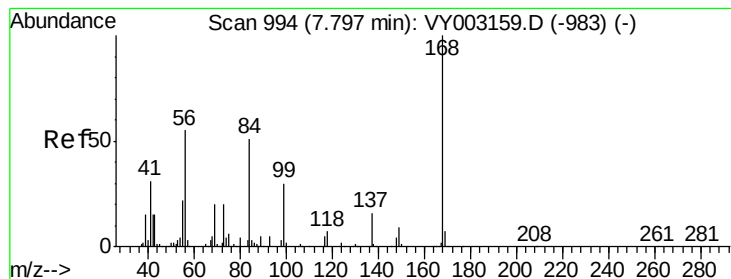
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072120\  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-1A

Quant Time: Jul 22 02:48:54 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: VY003270.D

Acq: 21 Jul 2020 23:38

Instrument :

MSVOA\_Y

ClientSampleId :

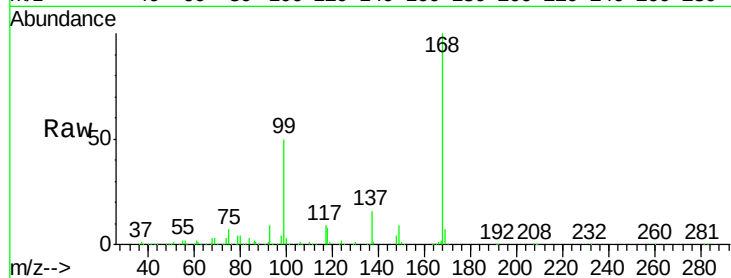
SP-1A

Tot Ion:168 Resp: 422134

Ion Ratio Lower Upper

168 100

99 49.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003270.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003270.D (-945) (-)

7.80

200000

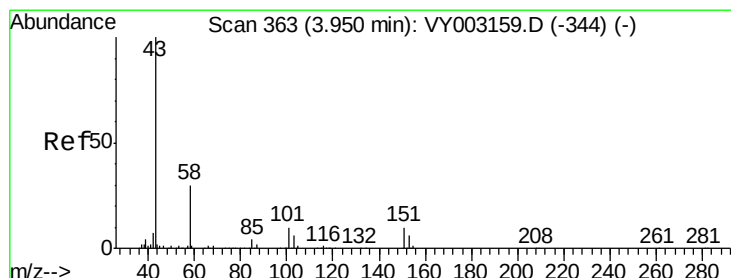
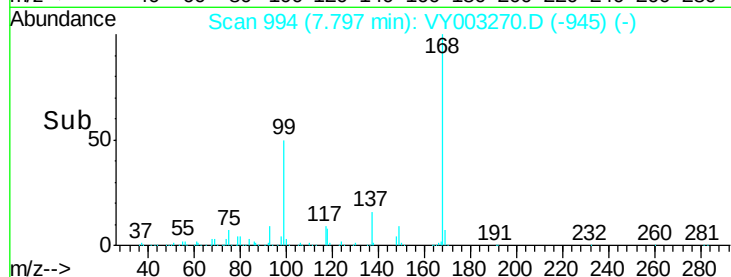
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.826 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003270.D

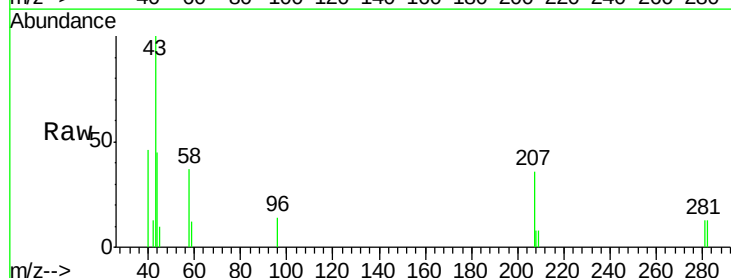
Acq: 21 Jul 2020 23:38

Tgt Ion: 43 Resp: 2249

Ion Ratio Lower Upper

43 100

58 37.2 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY003270.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003270.D (-314) (-)

3.96

1000

800

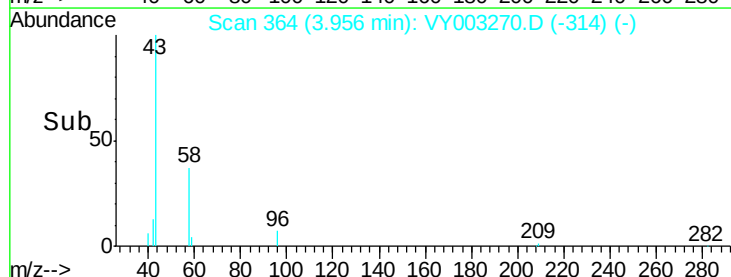
600

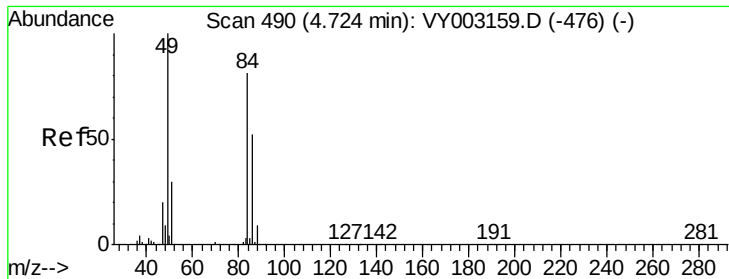
400

200

0

Time-->

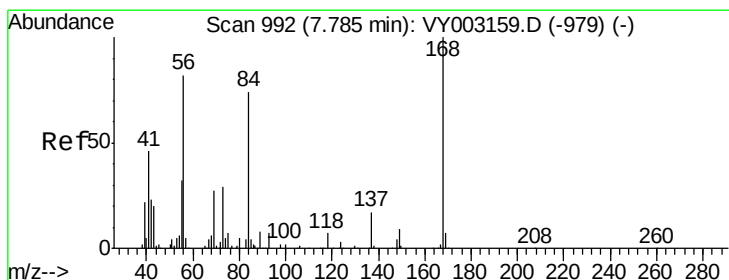
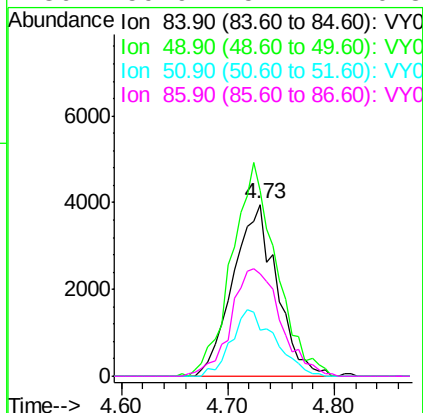
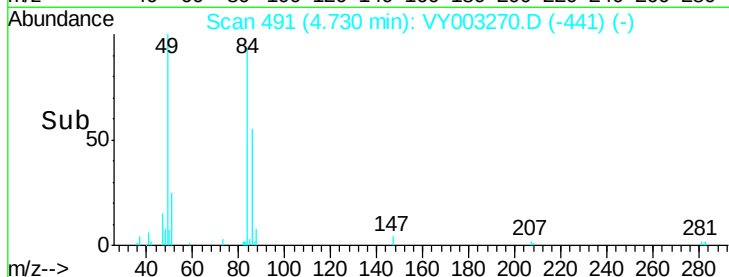
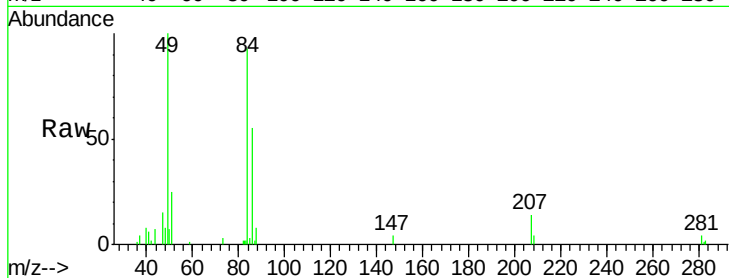




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.73 min Scan# 491  
Delta R.T. 0.01 min  
Lab File: VY003270.D  
Acq: 21 Jul 2020 23:38

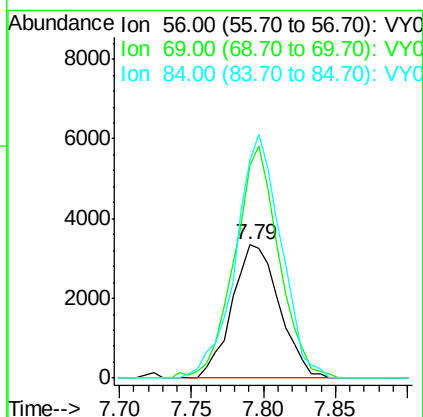
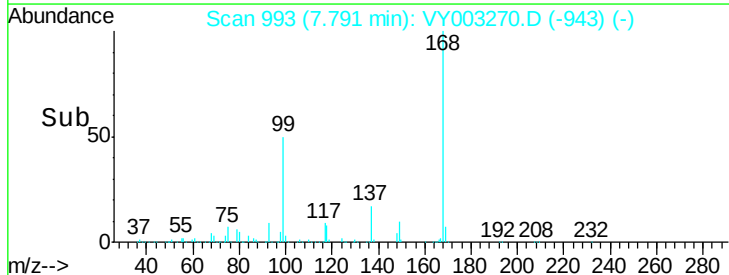
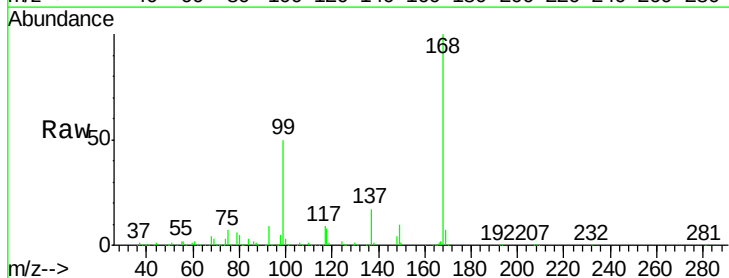
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-1A

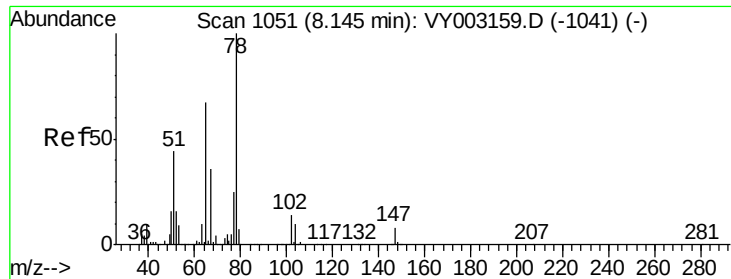
Tot Ion: 84 Resp: 11392  
Ion Ratio Lower Upper  
84 100  
49 108.1 98.2 147.4  
51 26.5 29.8 44.6#  
86 59.9 51.2 76.8



#31  
Cyclohexane  
Concen: 1.177 ug/l  
RT: 7.79 min Scan# 993  
Delta R.T. 0.01 min  
Lab File: VY003270.D  
Acq: 21 Jul 2020 23:38

Tgt Ion: 56 Resp: 7629  
Ion Ratio Lower Upper  
56 100  
69 159.7 26.7 40.1#  
84 163.3 72.3 108.5#

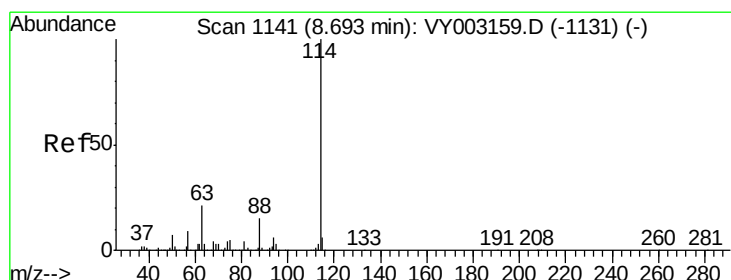
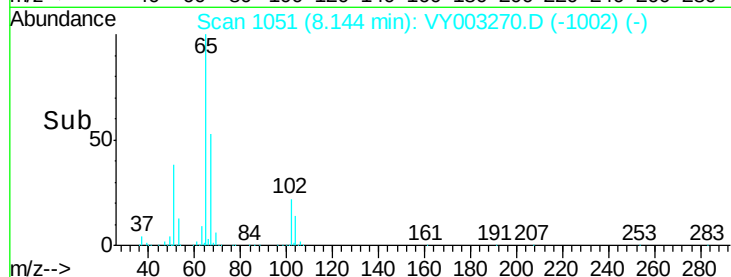
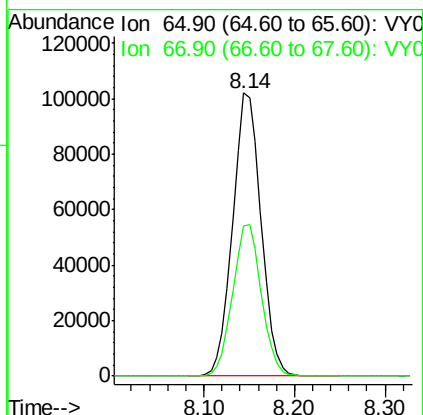
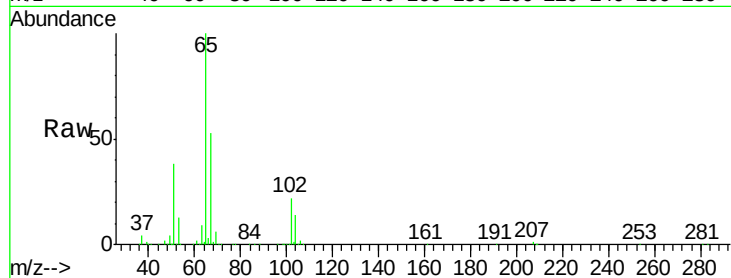




#33  
 1,2-Dichloroethane-d4  
 Concen: 62.179 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VY003270.D  
 Acq: 21 Jul 2020 23:38

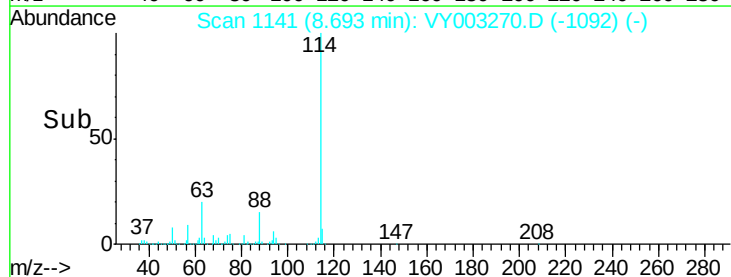
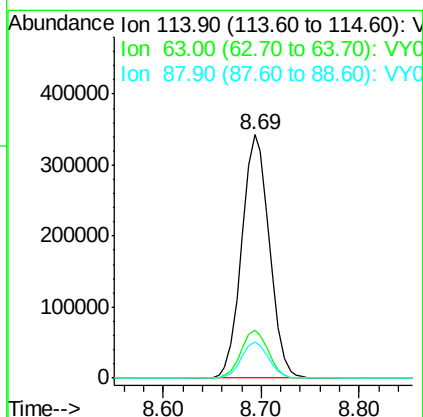
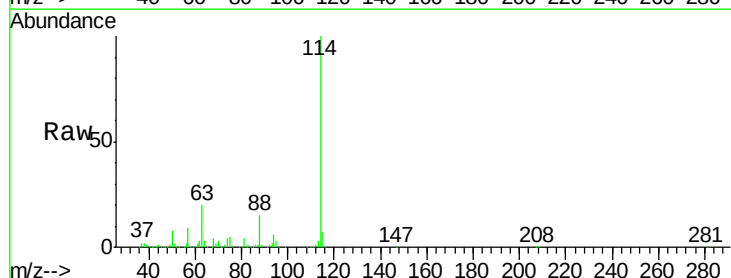
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-1A

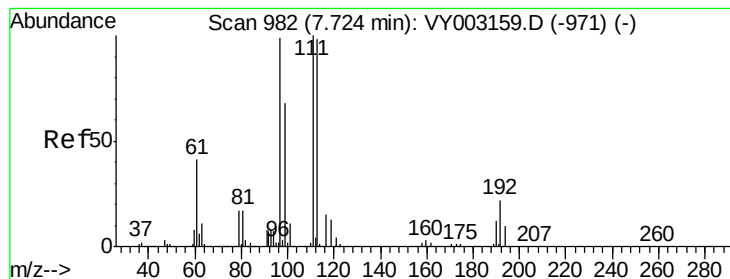
Tot Ion: 65 Resp: 221540  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY003270.D  
 Acq: 21 Jul 2020 23:38

Tgt Ion: 114 Resp: 668895  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 41.2  
 88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 54.914 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003270.D

Acq: 21 Jul 2020 23:38

Instrument :

MSVOA\_Y

ClientSampleId :

SP-1A

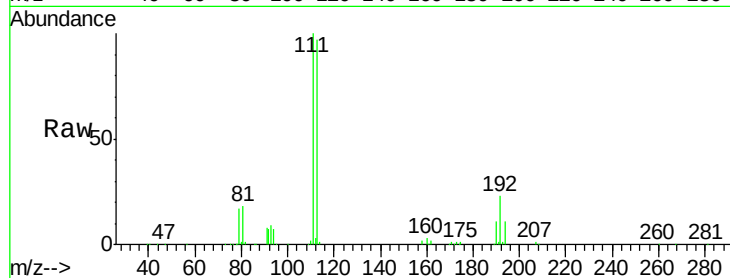
Tot Ion:113 Resp: 211384

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

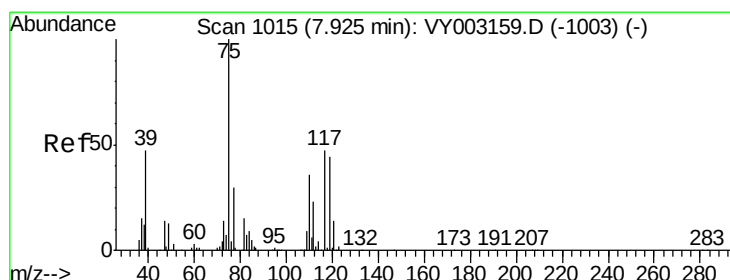
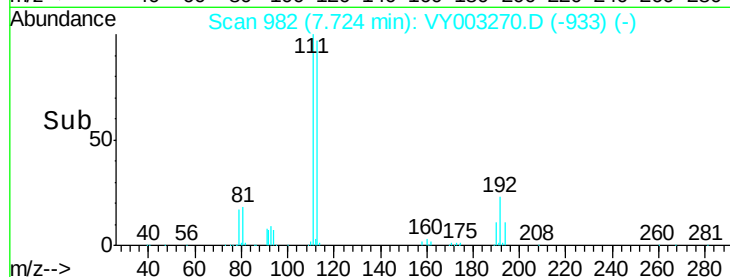
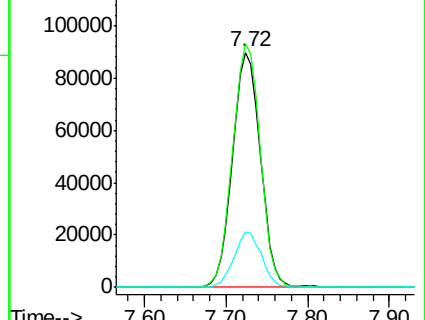
192 23.2 18.8 28.2



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: 4.789 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003270.D

Acq: 21 Jul 2020 23:38

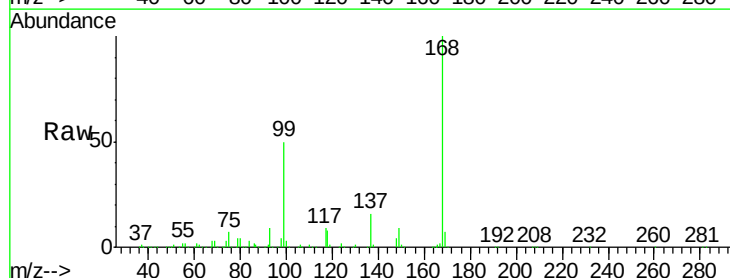
Tgt Ion: 75 Resp: 29033

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.1#

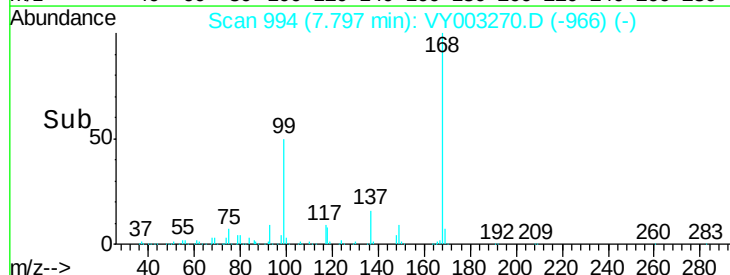
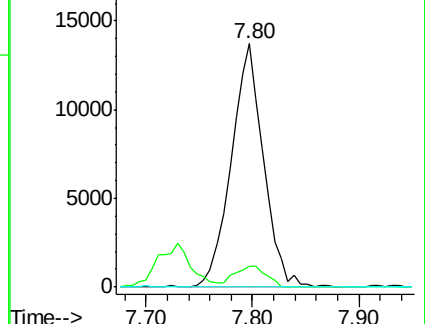
77 0.0 24.8 37.2#

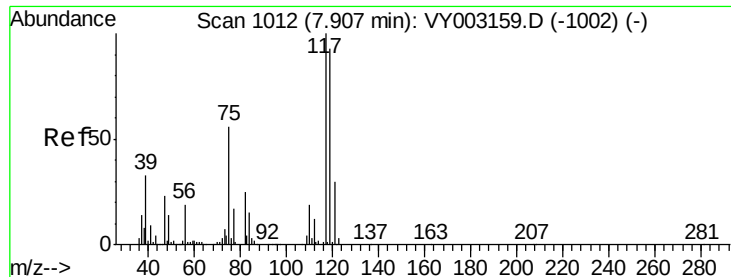


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.189 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003270.D

Acq: 21 Jul 2020 23:38

Instrument :

MSVOA\_Y

ClientSampleId :

SP-1A

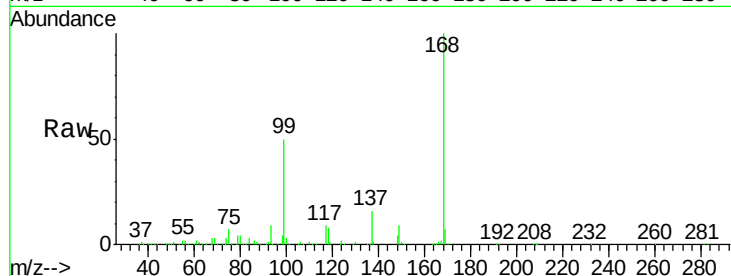
Tot Ion:117 Resp: 38736

Ion Ratio Lower Upper

117 100

119 6.2 74.5 111.7#

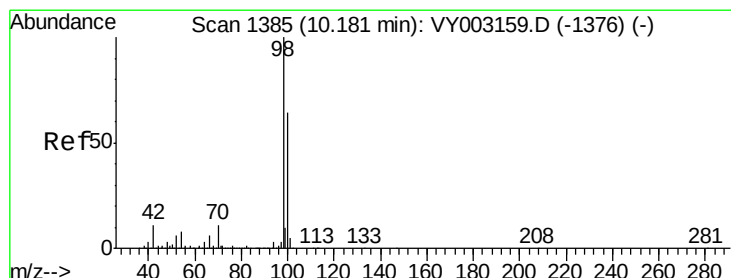
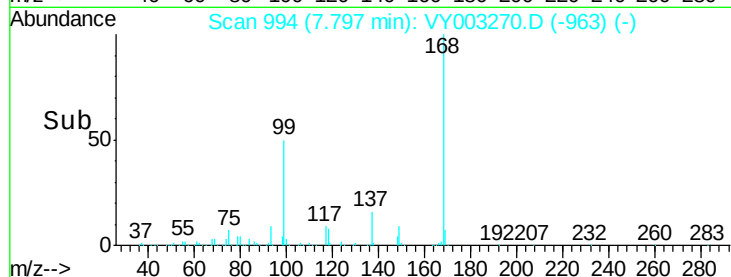
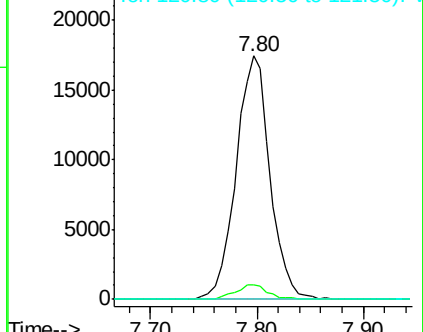
121 0.0 24.2 36.2#



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: 57.293 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003270.D

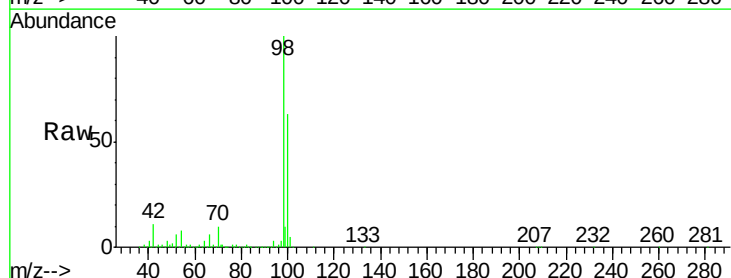
Acq: 21 Jul 2020 23:38

Tgt Ion: 98 Resp: 819935

Ion Ratio Lower Upper

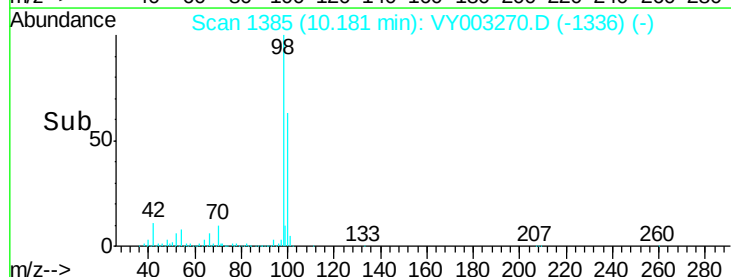
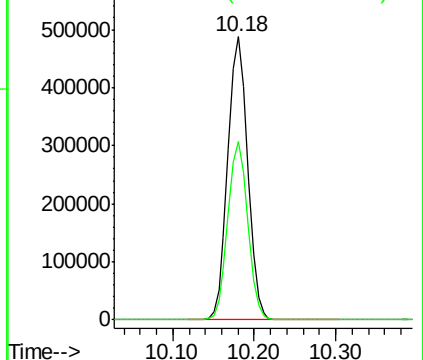
98 100

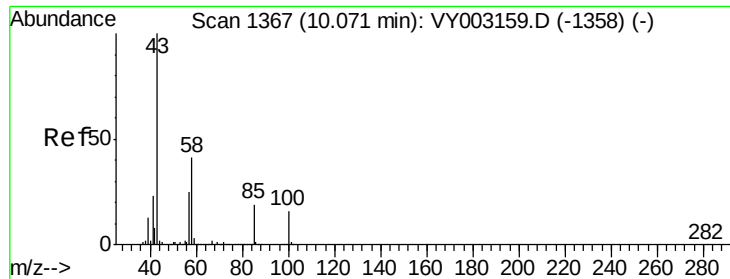
100 62.9 50.7 76.1



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: 1.047 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003270.D

Acq: 21 Jul 2020 23:38

Instrument :

MSVOA\_Y

ClientSampleId :

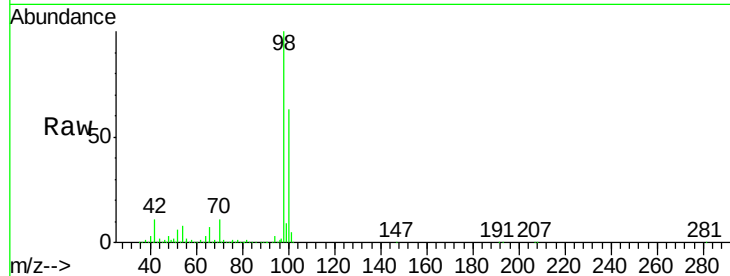
SP-1A

Tot Ion: 43 Resp: 3439

Ion Ratio Lower Upper

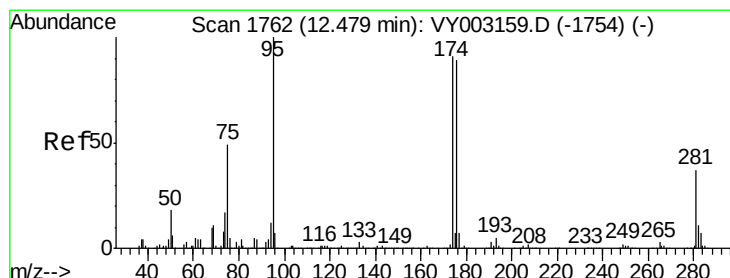
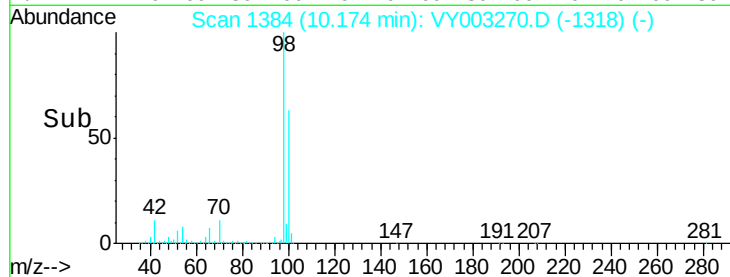
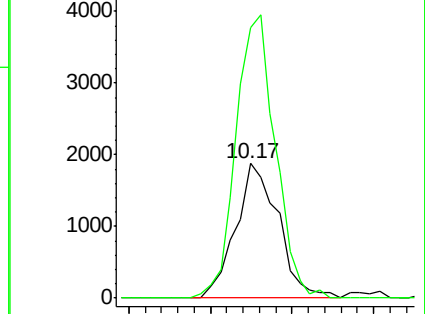
43 100

58 193.0 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: 51.721 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003270.D

Acq: 21 Jul 2020 23:38

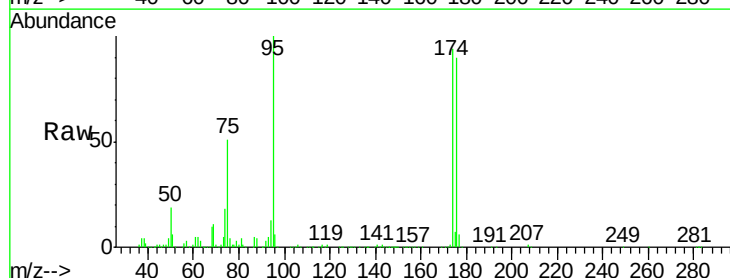
Tgt Ion: 95 Resp: 267402

Ion Ratio Lower Upper

95 100

174 96.7 0.0 190.6

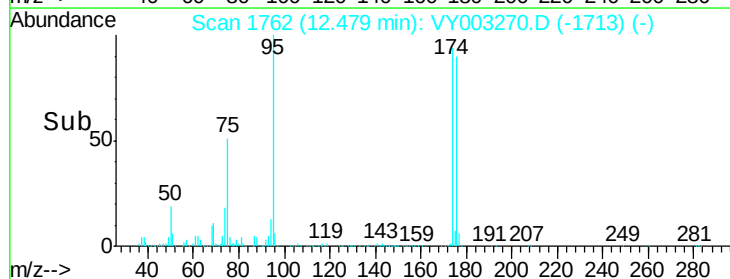
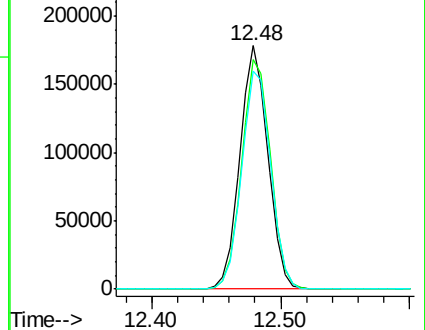
176 93.0 0.0 186.4



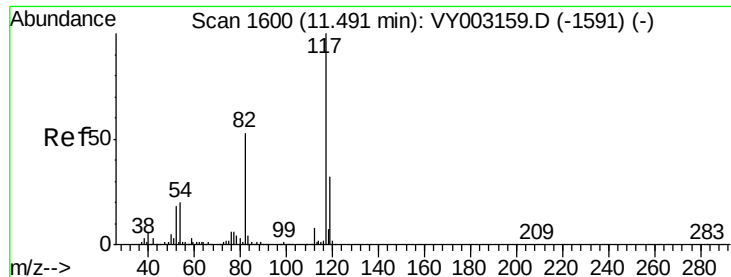
Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



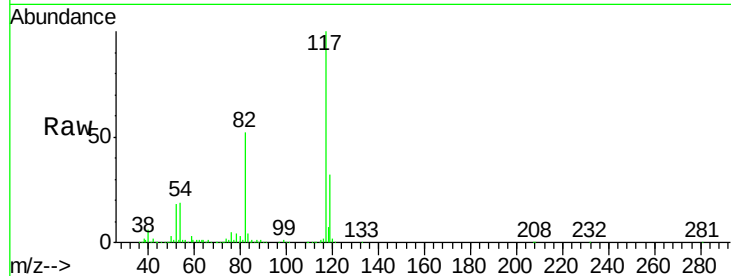




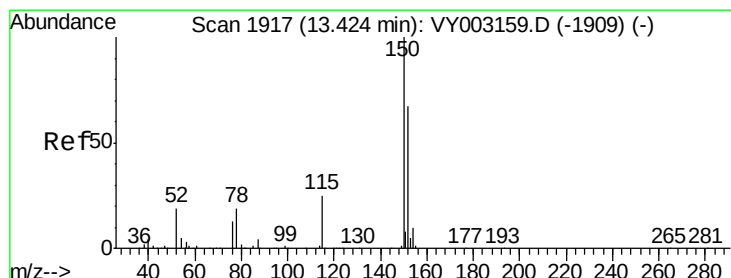
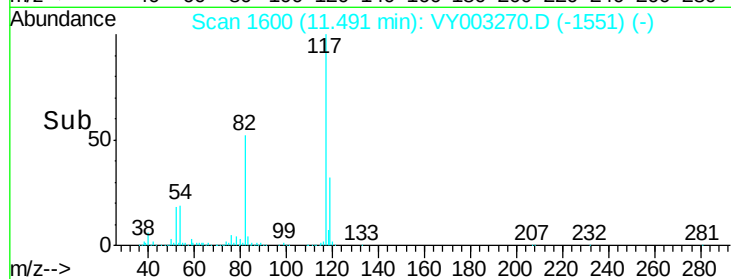
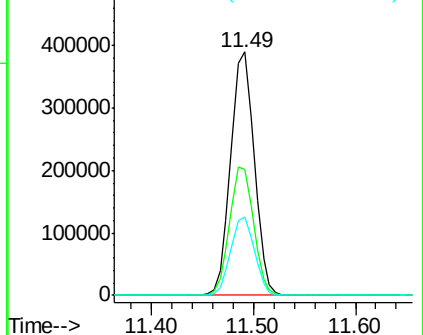
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003270.D  
Acq: 21 Jul 2020 23:38

Instrument :  
MSVOA\_Y  
ClientSampled :  
SP-1A

Tot Ion:117 Resp: 623188  
Ion Ratio Lower Upper  
117 100  
82 51.7 42.0 63.0  
119 32.3 25.5 38.3

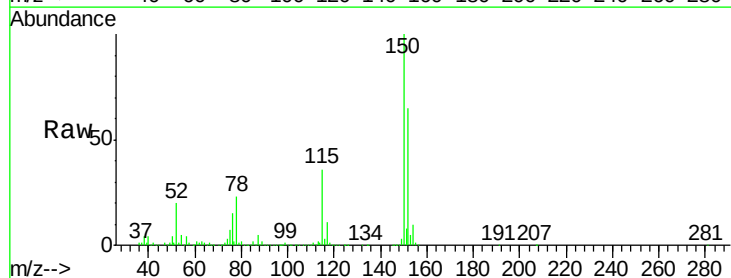


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

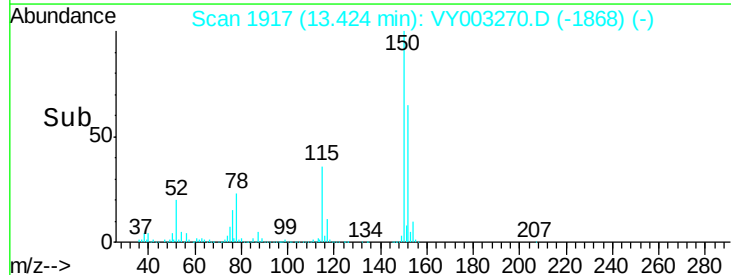
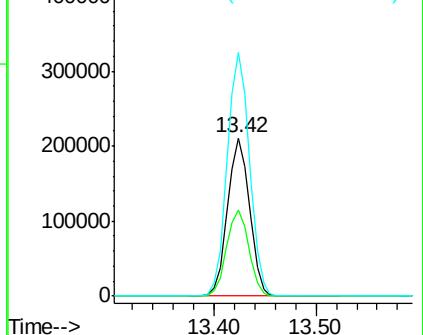


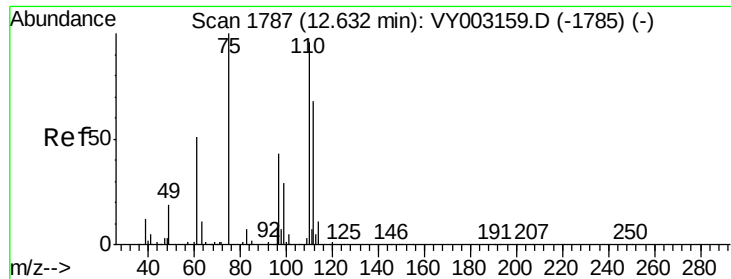
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY003270.D  
Acq: 21 Jul 2020 23:38

Tgt Ion:152 Resp: 313119  
Ion Ratio Lower Upper  
152 100  
115 55.1 26.9 80.7  
150 156.1 0.0 338.0



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





#76

1,2,3-Trichloropropane

Concen: 49.626 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003270.D

Acq: 21 Jul 2020 23:38

Instrument :

MSVOA\_Y

ClientSampled :

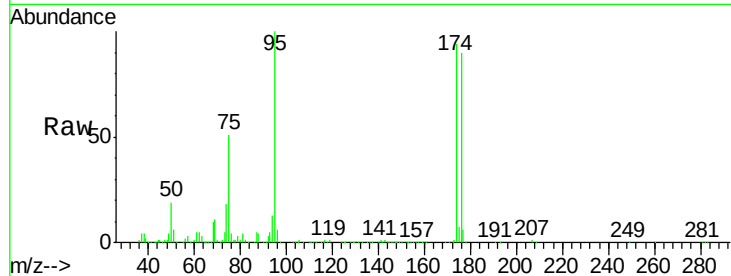
SP-1A

Tot Ion: 75 Resp: 137546

Ion Ratio Lower Upper

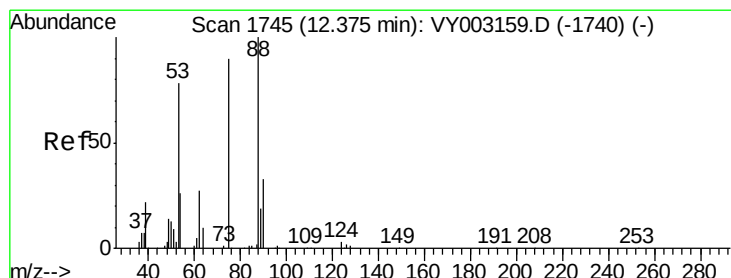
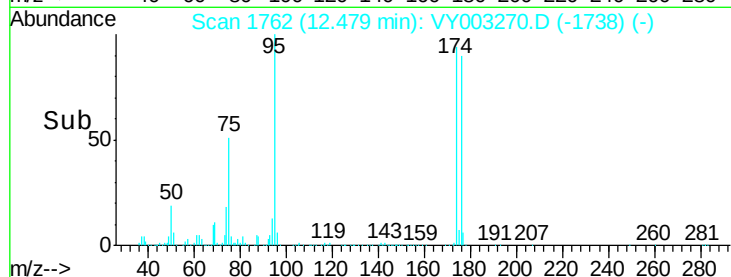
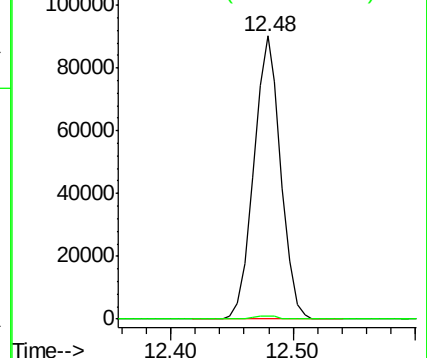
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 96.582 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003270.D

Acq: 21 Jul 2020 23:38

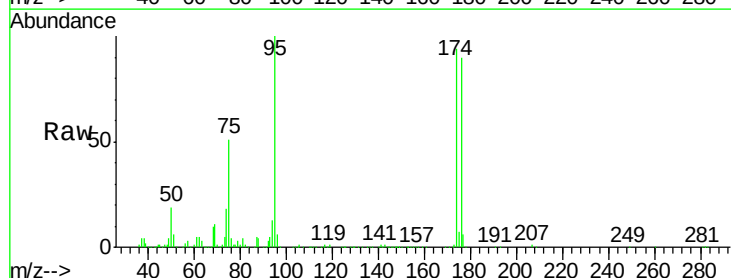
Tgt Ion: 75 Resp: 137546

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

