

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082220\  
 Data File : VW016306.D  
 Acq On : 21 Aug 2020 15:20  
 Operator : SY/VA  
 Sample : L3747-01  
 Misc : 5.29G/5ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

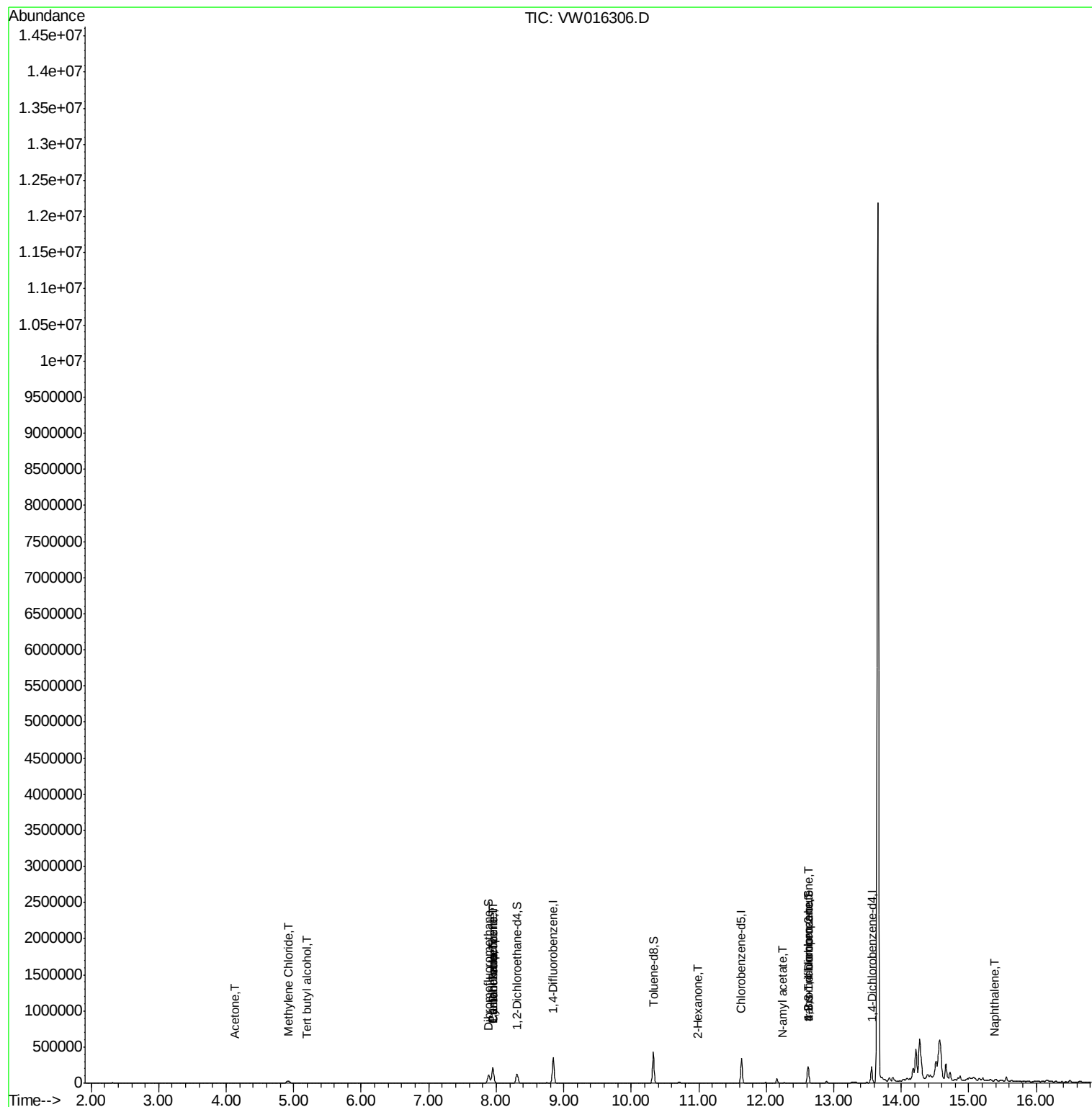
Quant Time: Aug 22 06:03:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081420S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 17 08:01:41 2020  
 Response via : Initial Calibration

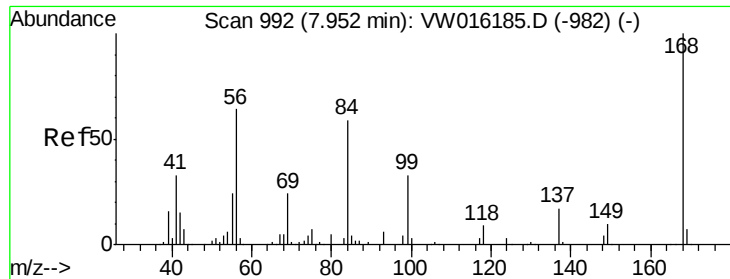
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene          | 7.95  | 168  | 163305   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.84  | 114  | 309079   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63 | 117  | 206746   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.56 | 152  | 58740    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.31  | 65   | 100419   | 63.06   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 126.12% |          |
| 35) Dibromofluoromethane       | 7.88  | 113  | 89463    | 46.91   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 93.82%  |          |
| 50) Toluene-d8                 | 10.32 | 98   | 307174   | 41.61   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 83.22%  |          |
| 62) 4-Bromofluorobenzene       | 12.62 | 95   | 84420    | 31.99   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 63.98%  |          |
| Target Compounds               |       |      |          |         |         |          |
|                                |       |      |          |         | Qvalue  |          |
| 11) Tert butyl alcohol         | 5.19  | 59   | 1852     | 21.851  | ug/l #  | 83       |
| 16) Acetone                    | 4.14  | 43   | 2241     | 7.346   | ug/l    | 89       |
| 20) Methylene Chloride         | 4.92  | 84   | 27258    | 10.477  | ug/l    | 90       |
| 31) Cyclohexane                | 7.95  | 56   | 2992     | 1.029   | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 12519    | 4.112   | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 16777    | 5.521   | ug/l #  | 15       |
| 59) 2-Hexanone                 | 10.98 | 43   | 909      | 1.338   | ug/l    | 79       |
| 74) N-amyl acetate             | 12.24 | 43   | 3667     | 4.575   | ug/l #  | 43       |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 40055    | 74.146  | ug/l #  | 1        |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 40055    | 177.850 | ug/l #  | 12       |
| 95) Naphthalene                | 15.37 | 128  | 5471     | 5.928   | ug/l #  | 95       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W081420S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 17 08:01:41 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016306.D

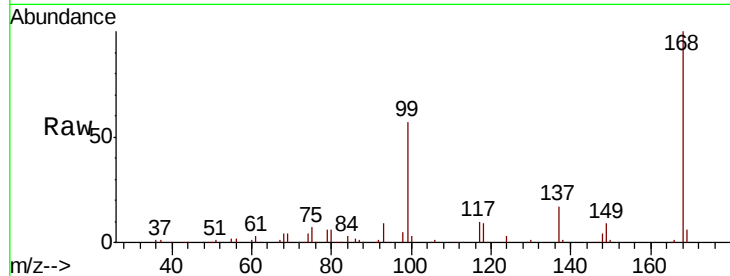
Acq: 21 Aug 2020 15:20

Tot Ion:168 Resp: 163305

Ion Ratio Lower Upper

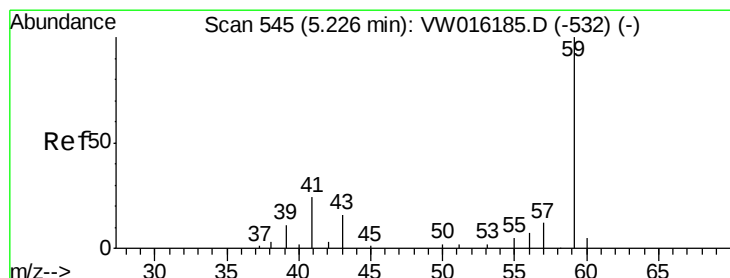
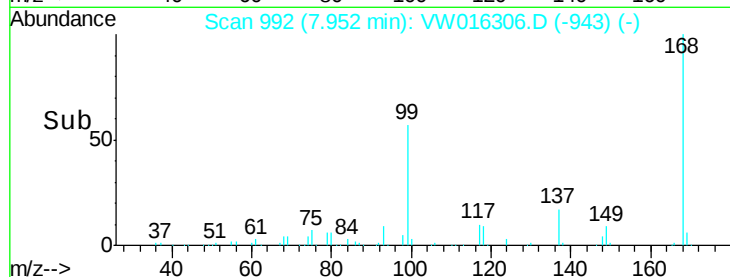
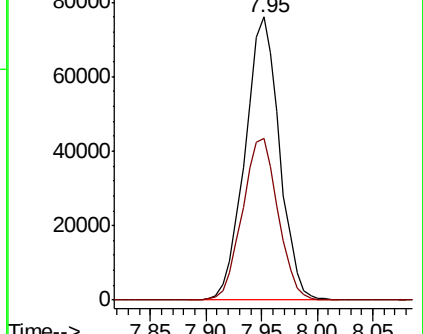
168 100

99 57.3 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 21.851 ug/l

RT: 5.19 min Scan# 539

Delta R.T. -0.04 min

Lab File: VW016306.D

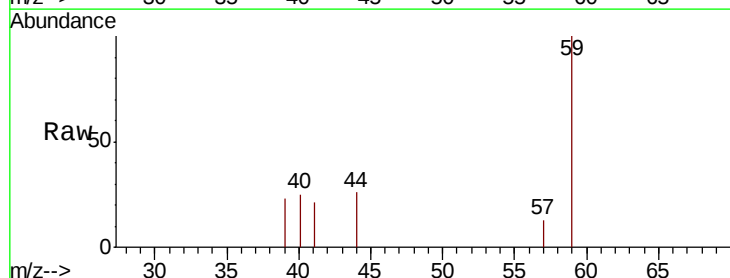
Acq: 21 Aug 2020 15:20

Tgt Ion: 59 Resp: 1852

Ion Ratio Lower Upper

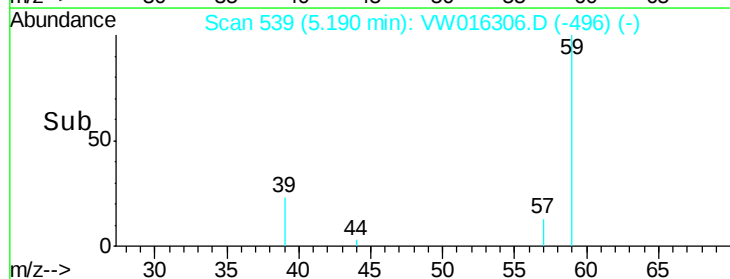
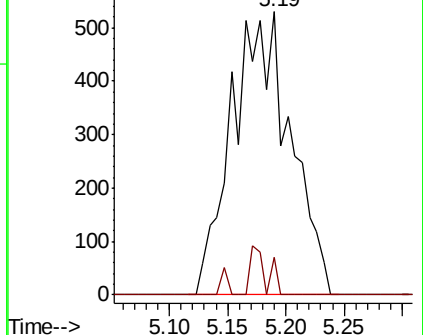
59 100

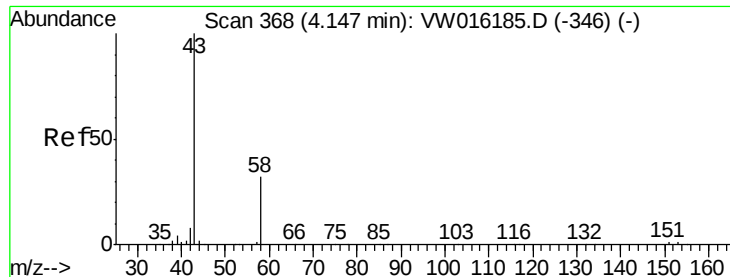
57 4.8 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 7.346 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016306.D

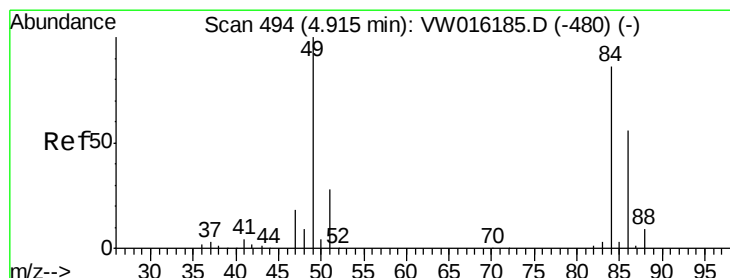
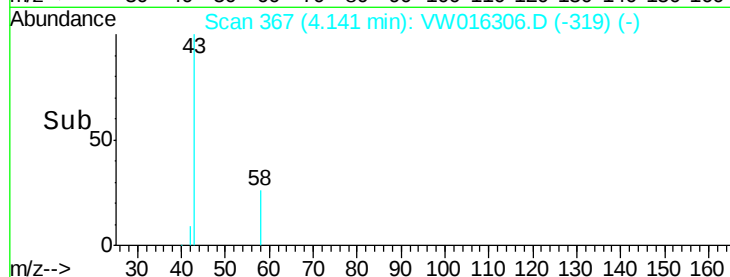
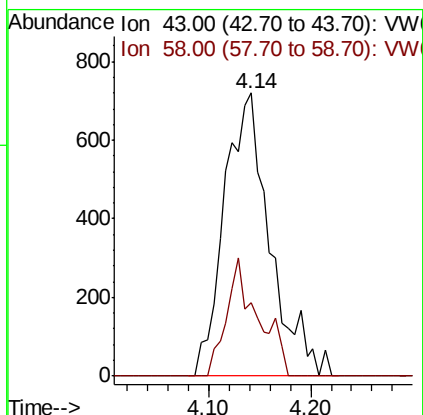
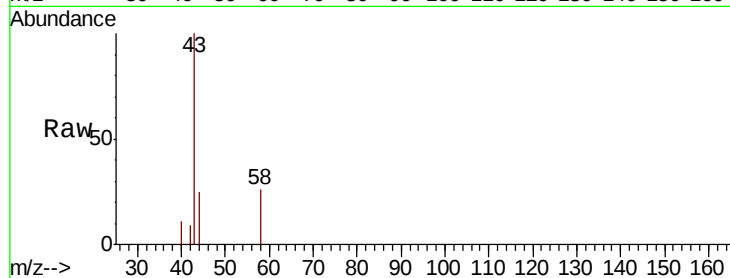
Acq: 21 Aug 2020 15:20

Tot Ion: 43 Resp: 2241

Ion Ratio Lower Upper

43 100

58 26.0 25.8 38.6



#20

Methylene Chloride

Concen: 10.477 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016306.D

Acq: 21 Aug 2020 15:20

Tgt Ion: 84 Resp: 27258

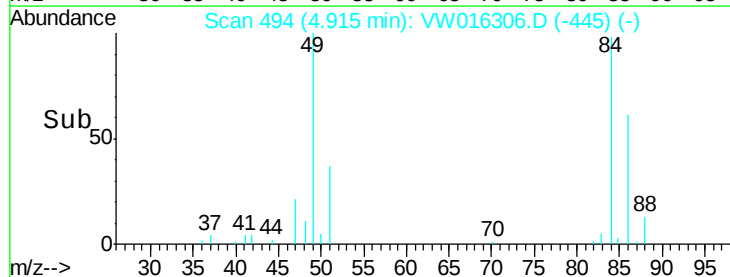
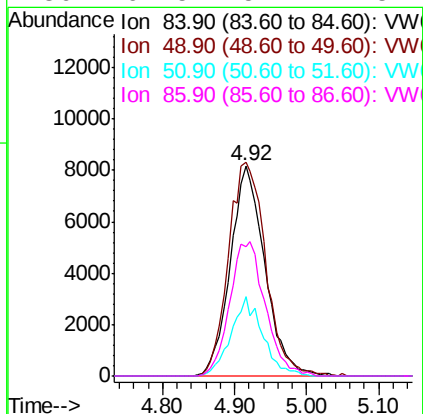
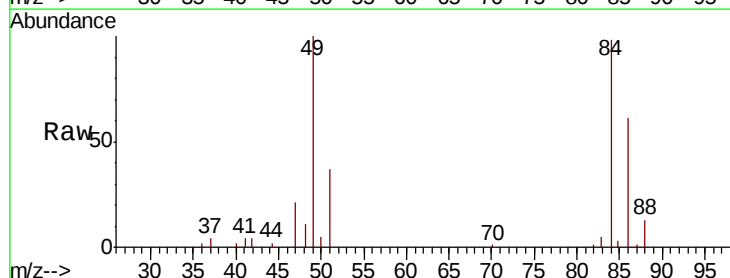
Ion Ratio Lower Upper

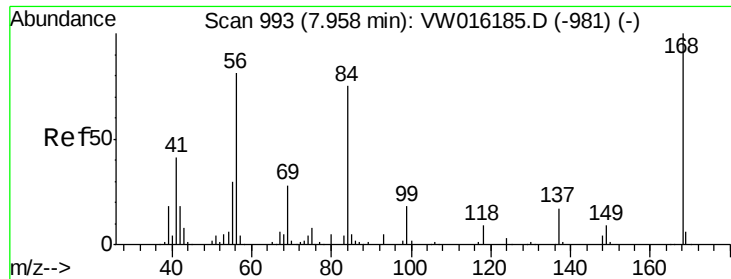
84 100

49 101.6 93.4 140.2

51 37.6 26.6 40.0

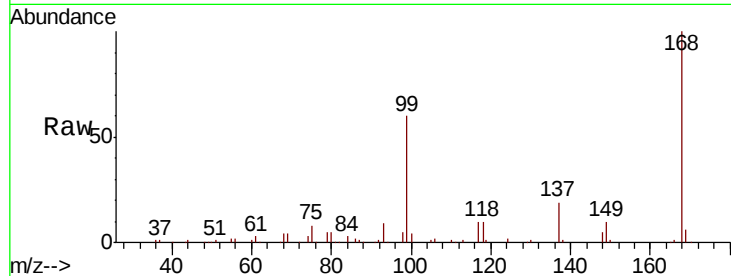
86 61.5 52.2 78.2



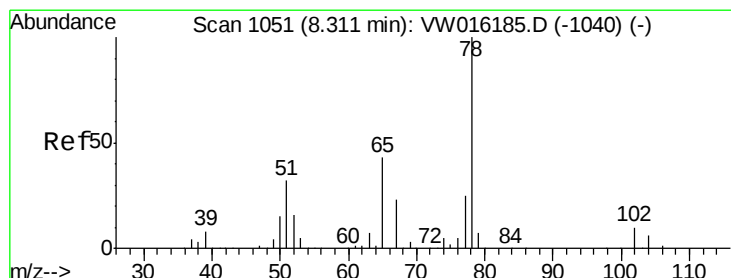
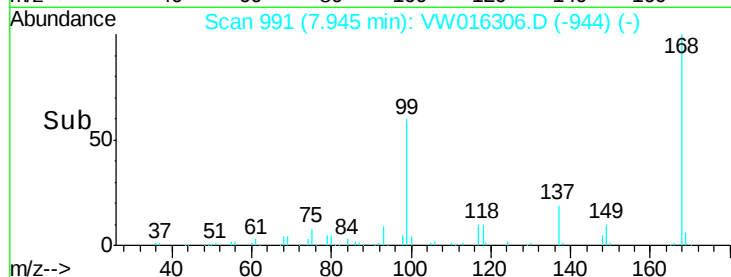
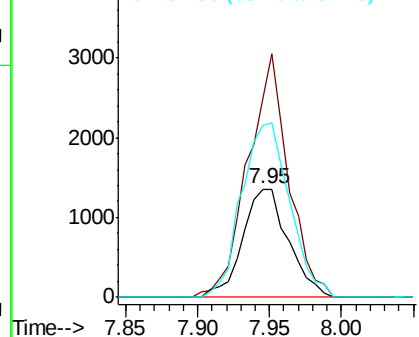


#31  
Cyclohexane  
Concen: 1.029 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: VW016306.D  
Acq: 21 Aug 2020 15:20

Tot Ion: 56 Resp: 2992  
Ion Ratio Lower Upper  
56 100  
69 183.3 27.3 40.9#  
84 158.7 73.5 110.3#

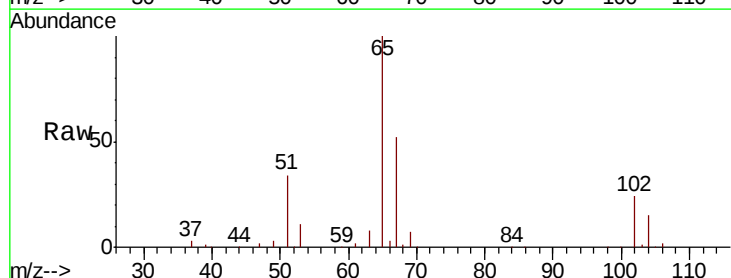


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

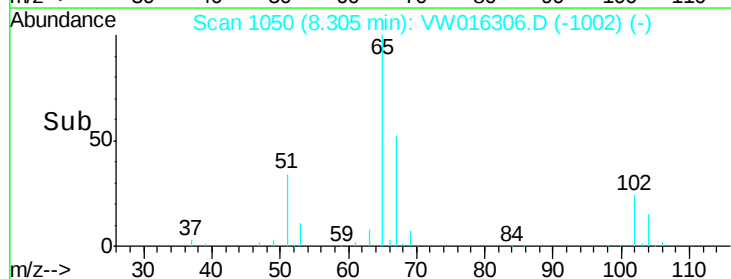
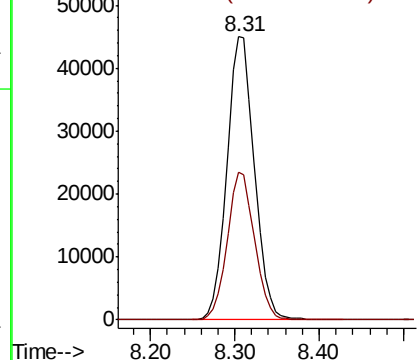


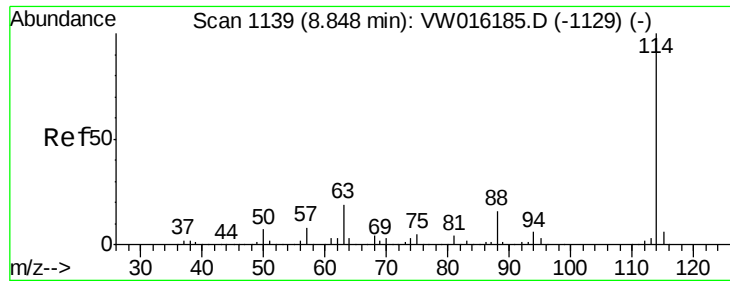
#33  
1,2-Dichloroethane-d4  
Concen: 63.056 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VW016306.D  
Acq: 21 Aug 2020 15:20

Tgt Ion: 65 Resp: 100419  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 105.6



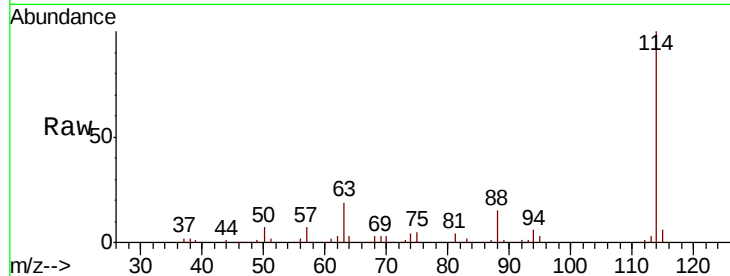
Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW



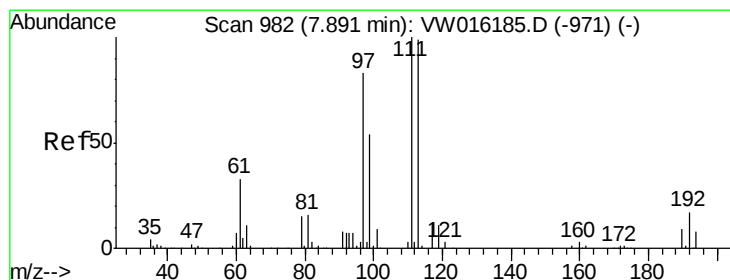
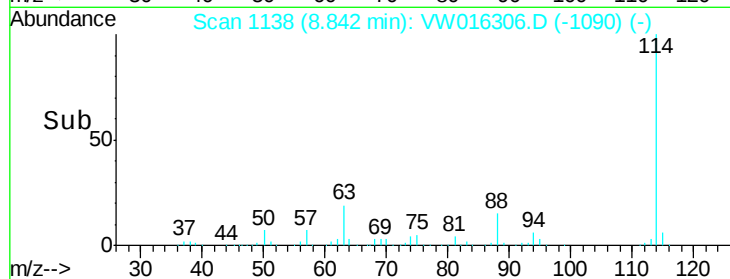
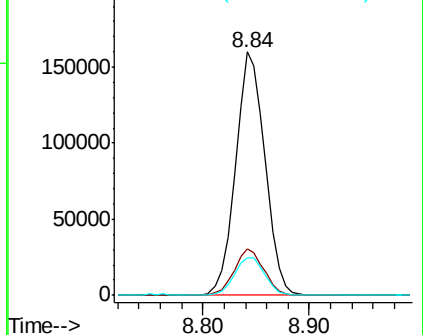


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.01 min  
Lab File: VW016306.D  
Acq: 21 Aug 2020 15:20

Tot Ion:114 Resp: 309079  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 38.4  
88 15.4 0.0 32.8

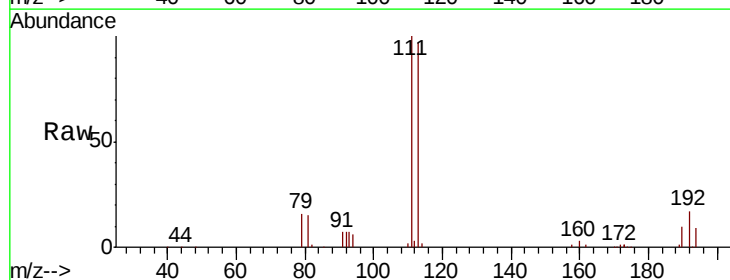


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

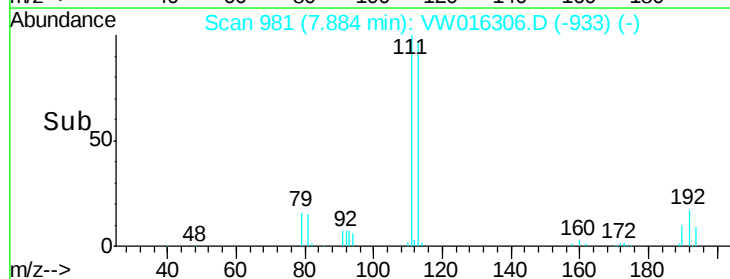
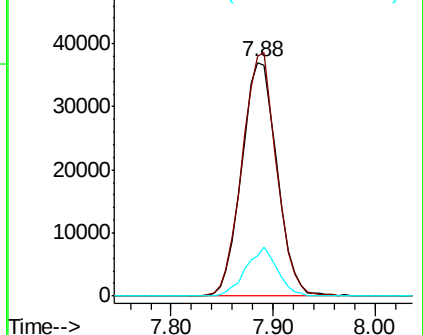


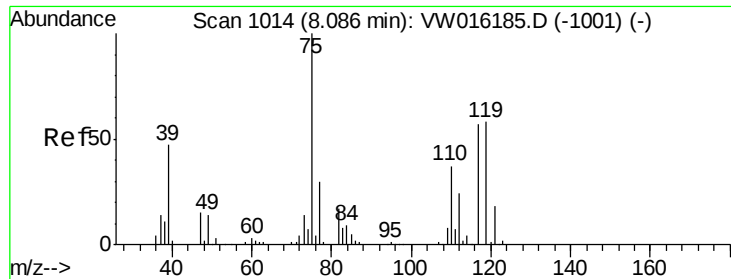
#35  
Dibromofluoromethane  
Concen: 46.912 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.01 min  
Lab File: VW016306.D  
Acq: 21 Aug 2020 15:20

Tgt Ion:113 Resp: 89463  
Ion Ratio Lower Upper  
113 100  
111 101.7 83.5 125.3  
192 18.8 14.3 21.5



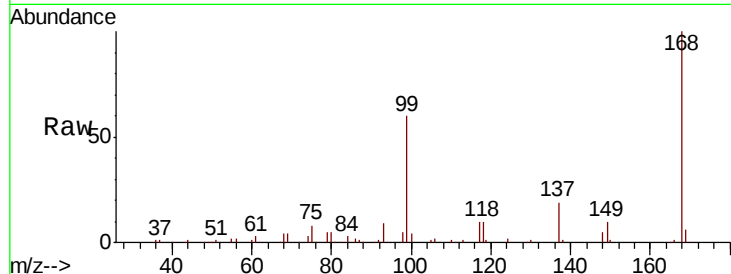
Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



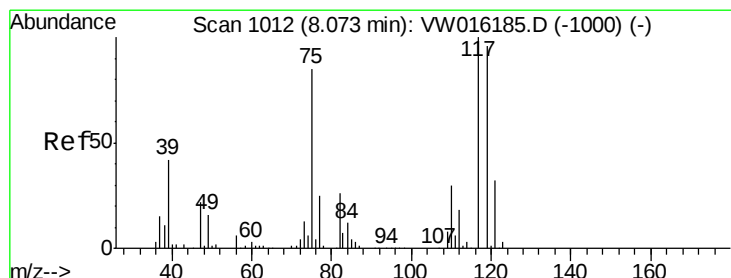
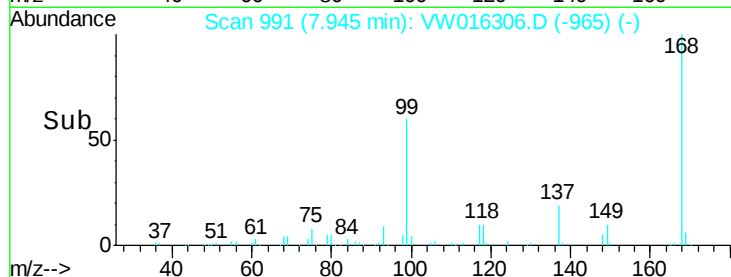
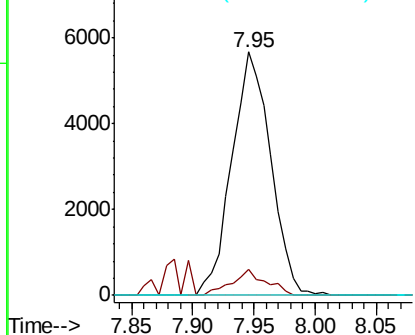


#36  
 1,1-Dichloropropene  
 Concen: 4.112 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.14 min  
 Lab File: VW016306.D  
 Acq: 21 Aug 2020 15:20

| Tot Ion   | 75  | Resp | 12519 |
|-----------|-----|------|-------|
| Ion Ratio | 100 |      |       |
| Lower     |     | 18.1 |       |
| Upper     |     | 54.3 |       |
| 77        | 0.0 | 24.7 | 37.1  |

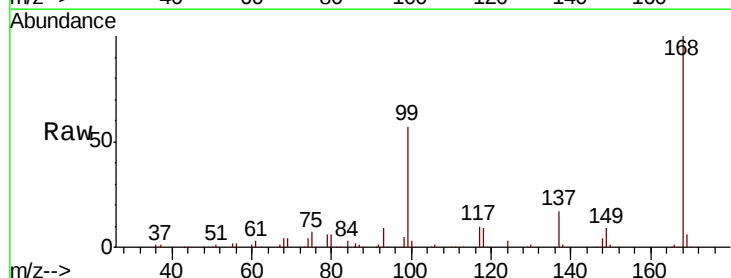


Abundance Ion 74.90 (74.60 to 75.60): VW  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VW

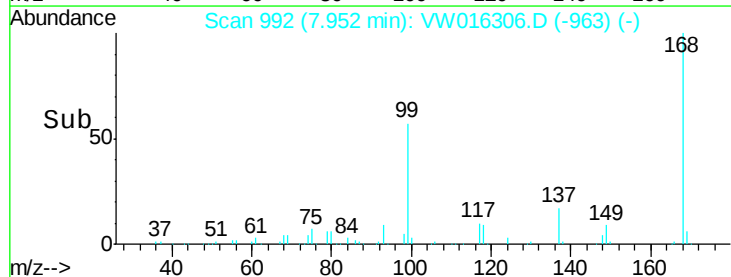
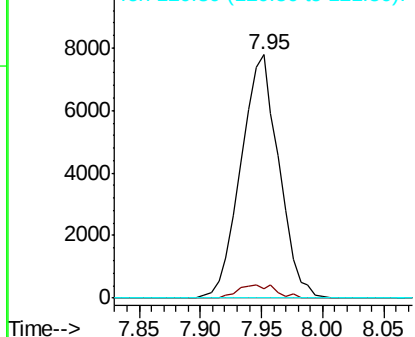


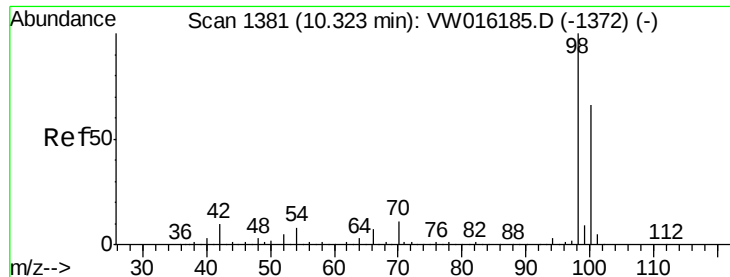
#38  
 Carbon Tetrachloride  
 Concen: 5.521 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.12 min  
 Lab File: VW016306.D  
 Acq: 21 Aug 2020 15:20

| Tgt Ion   | 117 | Resp  | 16777 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 |       |       |
| Lower     |     | 76.6  |       |
| Upper     |     | 115.0 |       |
| 119       | 4.0 | 25.4  | 38.0  |
| 121       | 0.0 |       |       |



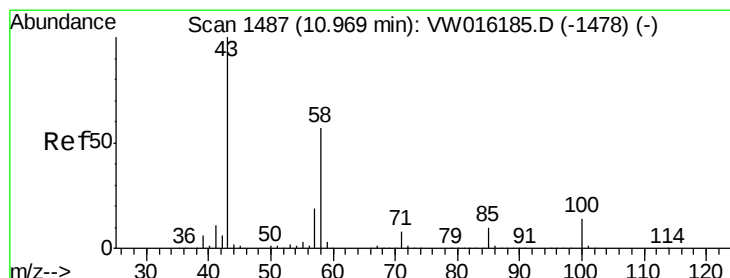
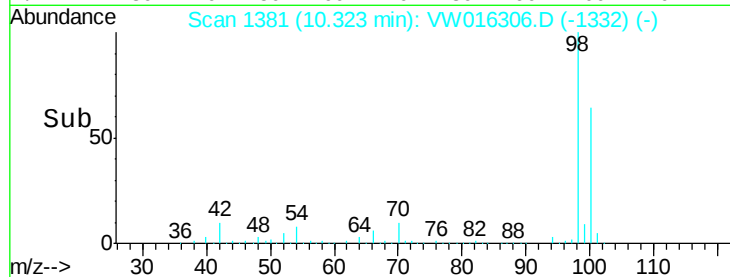
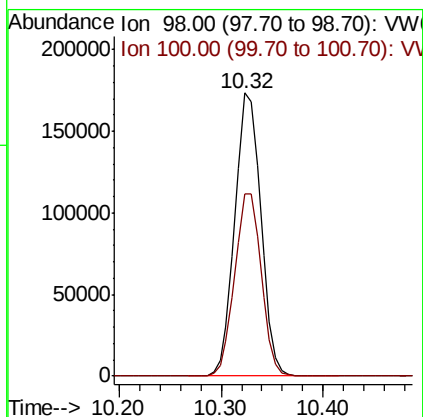
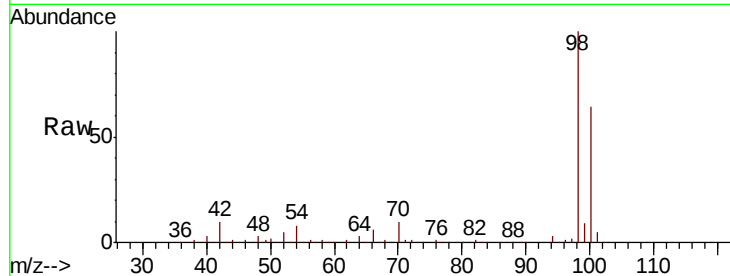
Abundance Ion 116.80 (116.50 to 117.50): V  
 Ion 118.80 (118.50 to 119.50): V  
 Ion 120.80 (120.50 to 121.50): V





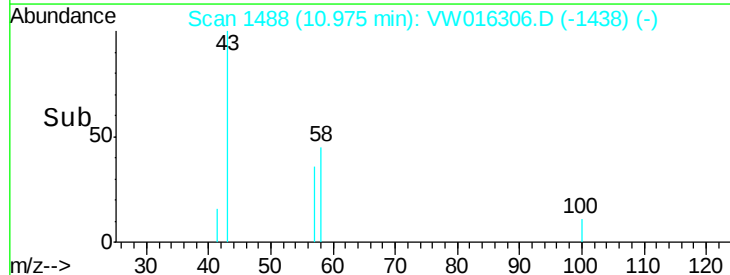
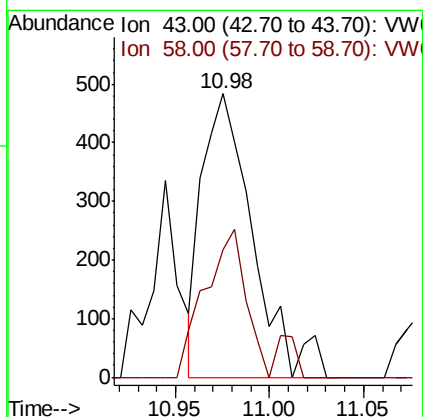
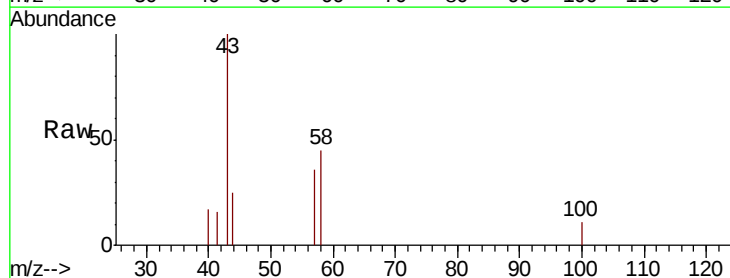
#50  
Toluene-d8  
Concen: 41.612 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW016306.D  
Acq: 21 Aug 2020 15:20

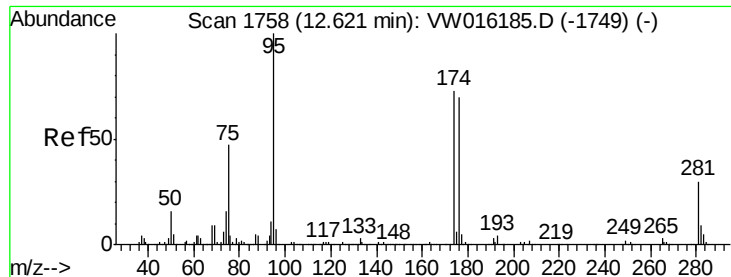
Tot Ion: 98 Resp: 307174  
Ion Ratio Lower Upper  
98 100  
100 65.5 53.5 80.3



#59  
2-Hexanone  
Concen: 1.338 ug/l  
RT: 10.98 min Scan# 1488  
Delta R.T. 0.01 min  
Lab File: VW016306.D  
Acq: 21 Aug 2020 15:20

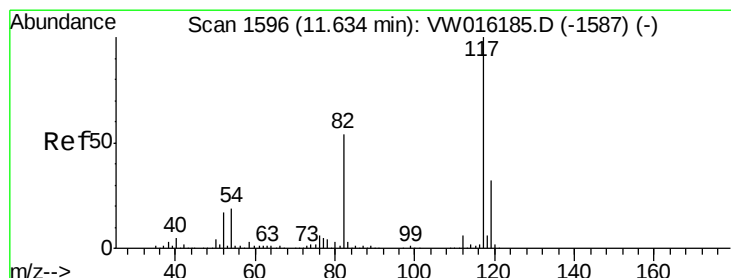
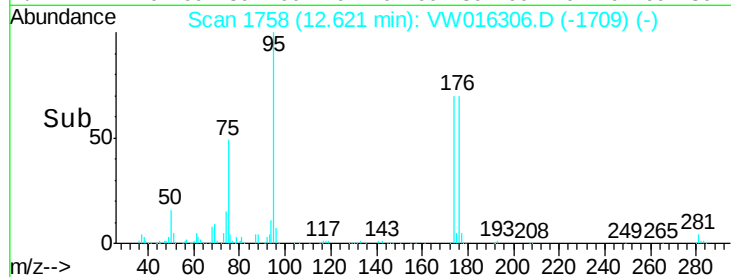
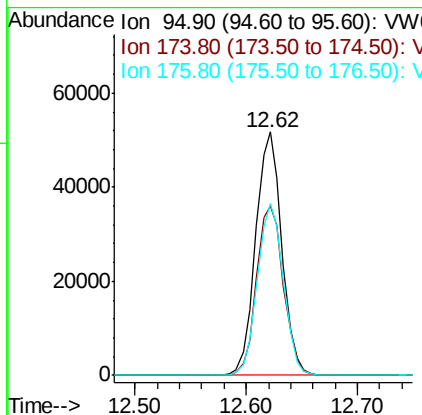
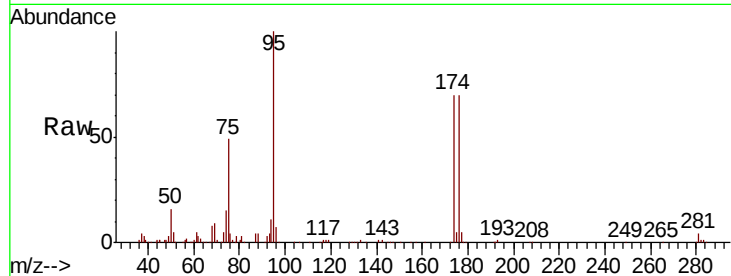
Tgt Ion: 43 Resp: 909  
Ion Ratio Lower Upper  
43 100  
58 42.1 28.8 86.5





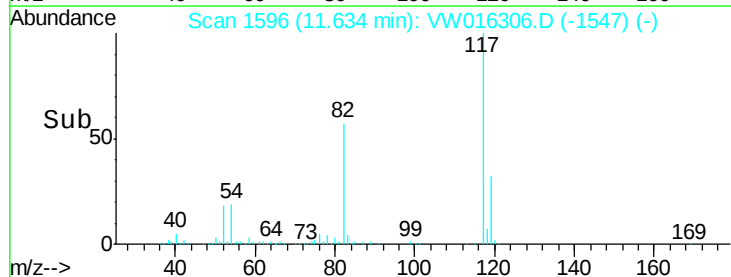
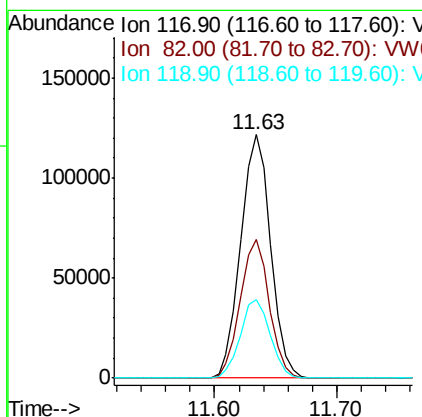
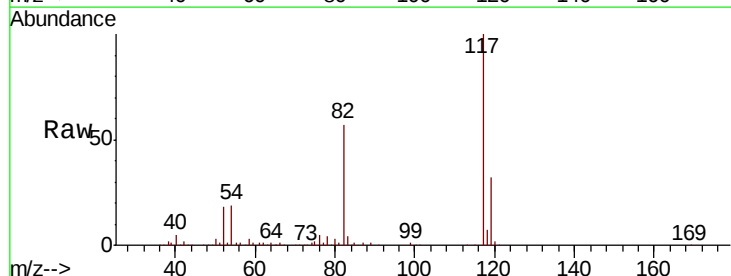
#62  
4-Bromofluorobenzene  
Concen: 31.993 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW016306.D  
Acq: 21 Aug 2020 15:20

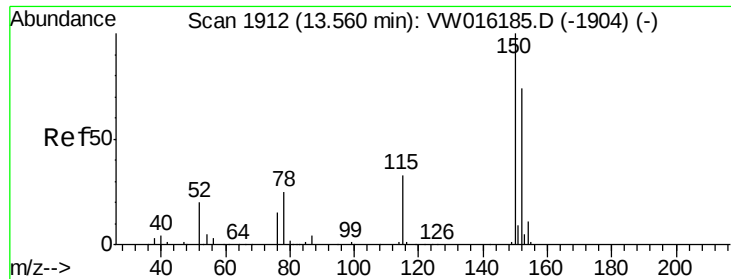
Tot Ion: 95 Resp: 84420  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 145.6  
176 70.5 0.0 137.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW016306.D  
Acq: 21 Aug 2020 15:20

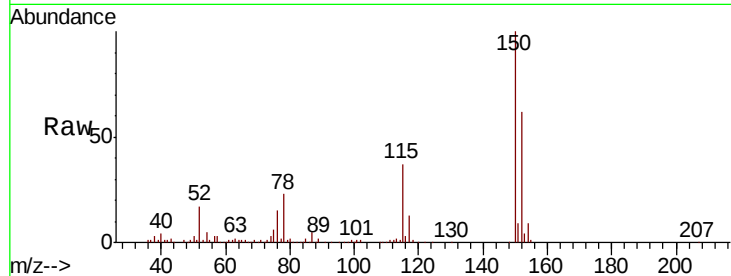
Tgt Ion: 117 Resp: 206746  
Ion Ratio Lower Upper  
117 100  
82 56.9 43.6 65.4  
119 32.3 25.4 38.0



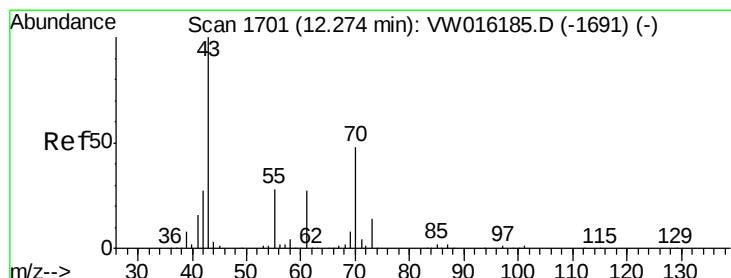
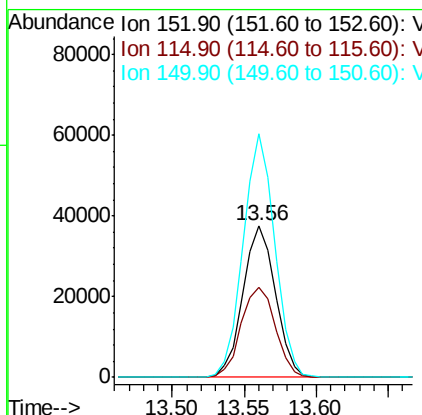
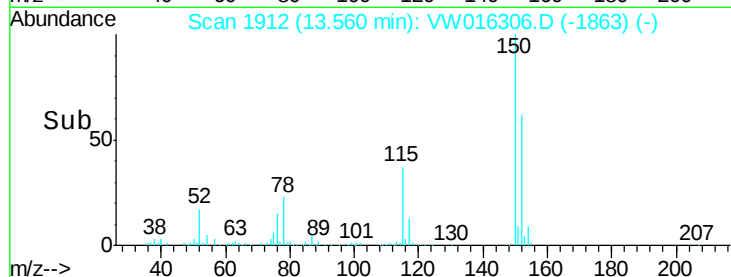


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.56 min Scan# 1912  
 Delta R.T. 0.00 min  
 Lab File: VW016306.D  
 Acq: 21 Aug 2020 15:20

Tot Ion:152 Resp: 58740  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 30.9 92.5  
 150 155.8 0.0 337.8

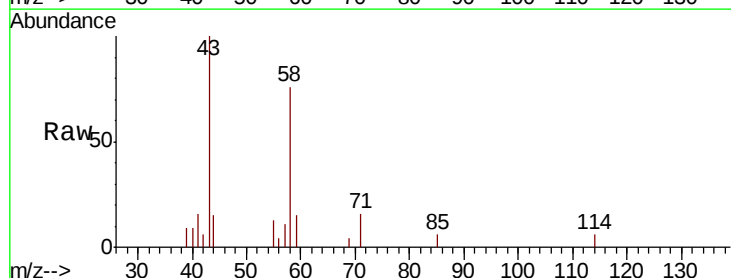


Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 114.90 (114.60 to 115.60): V  
 Ion 149.90 (149.60 to 150.60): V

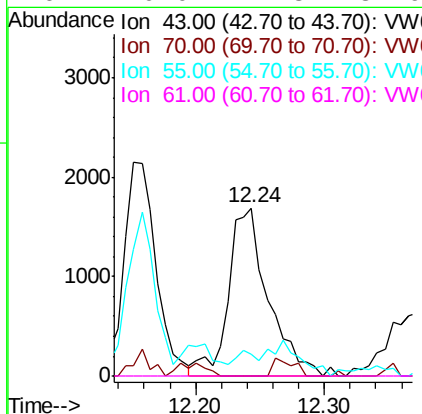
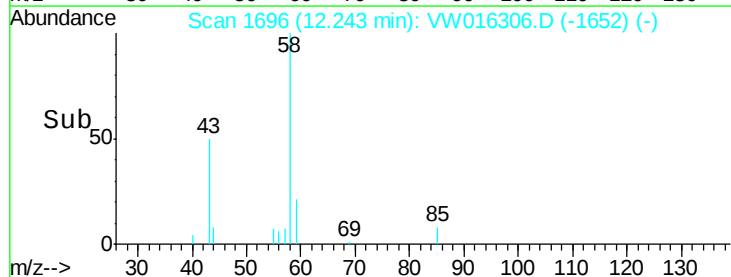


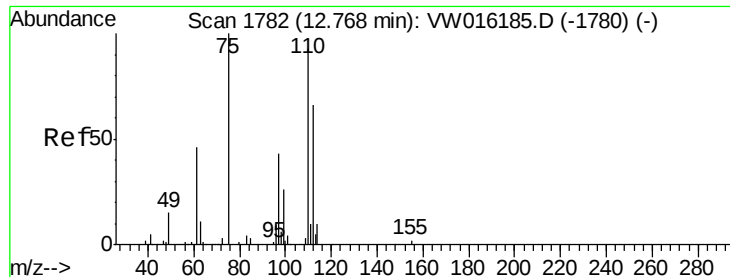
#74  
 N-ethyl acetate  
 Concen: 4.575 ug/l  
 RT: 12.24 min Scan# 1696  
 Delta R.T. -0.03 min  
 Lab File: VW016306.D  
 Acq: 21 Aug 2020 15:20

Tgt Ion: 43 Resp: 3667  
 Ion Ratio Lower Upper  
 43 100  
 70 0.0 38.6 58.0#  
 55 8.0 22.2 33.2#  
 61 0.0 21.3 31.9#



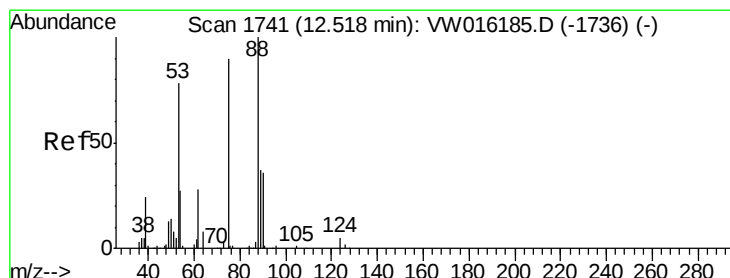
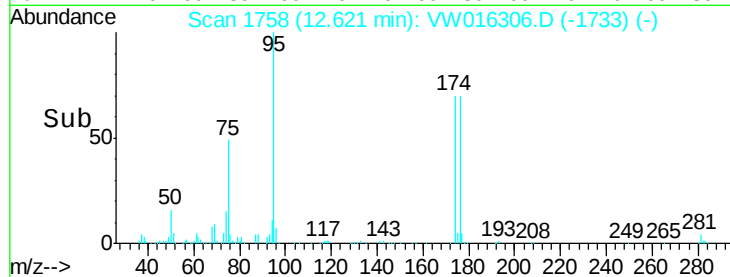
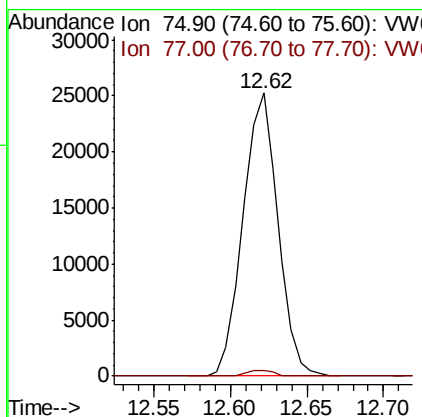
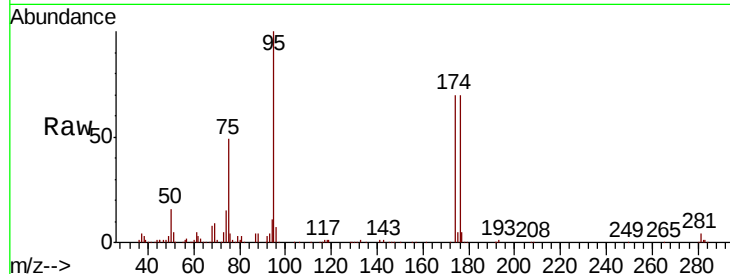
Abundance Ion 43.00 (42.70 to 43.70): VW  
 Ion 70.00 (69.70 to 70.70): VW  
 Ion 55.00 (54.70 to 55.70): VW  
 Ion 61.00 (60.70 to 61.70): VW





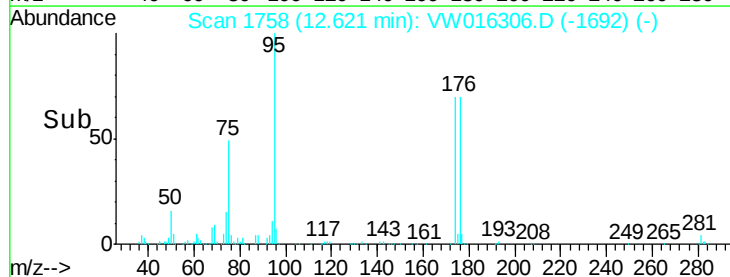
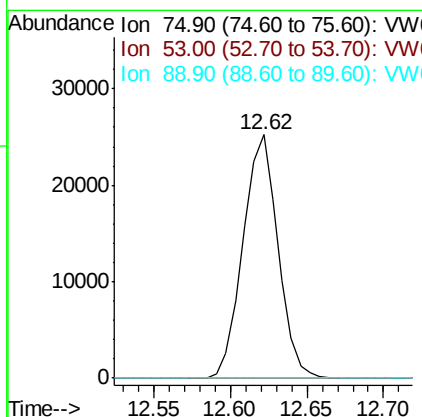
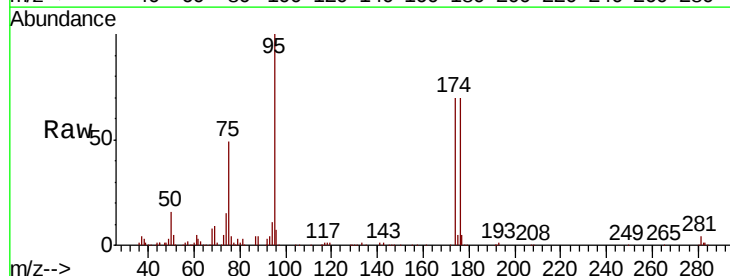
#76  
 1,2,3-Trichloropropane  
 Concen: 74.146 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.15 min  
 Lab File: VW016306.D  
 Acq: 21 Aug 2020 15:20

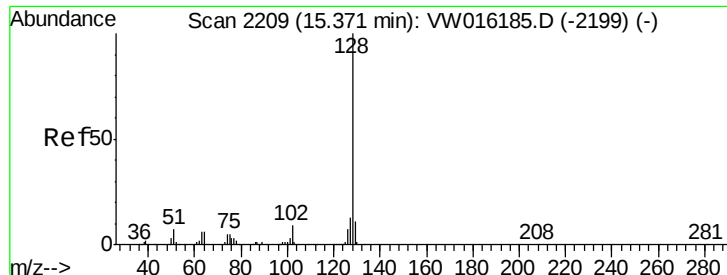
Tot Ion: 75 Resp: 40055  
 Ion Ratio Lower Upper  
 75 100  
 77 1.7 173.6 520.6#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 177.850 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.10 min  
 Lab File: VW016306.D  
 Acq: 21 Aug 2020 15:20

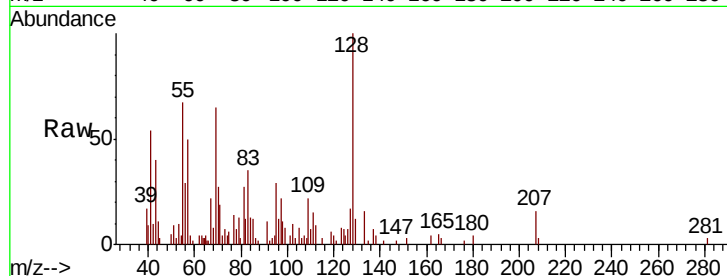
Tgt Ion: 75 Resp: 40055  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.6 111.8#  
 89 0.0 37.2 55.8#





#95  
Naphthalene  
Concen: 5.928 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW016306.D  
Acq: 21 Aug 2020 15:20

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.9  | 10.2  | 15.4  |
| 129     | 13.6  | 8.7   | 13.1  |



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

