

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY013020\  
 Data File : VY001432.D  
 Acq On : 30 Jan 2020 16:00  
 Operator : SY/MD  
 Sample : L1319-09  
 Misc : 3.75G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAINEY-PARK-BH-01-B

Quant Time: Jan 30 16:27:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.82  | 168  | 166094   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.72  | 114  | 308500   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 276513   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 114714   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.17   | 65  | 99202    | 54.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.78% |      |
| 35) Dibromofluoromethane    | 7.75   | 113 | 89769    | 49.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.16%  |      |
| 50) Toluene-d8              | 10.19  | 98  | 362926   | 51.59 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.18% |      |
| 62) 4-Bromofluorobenzene    | 12.49  | 95  | 127486   | 45.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.02%  |      |

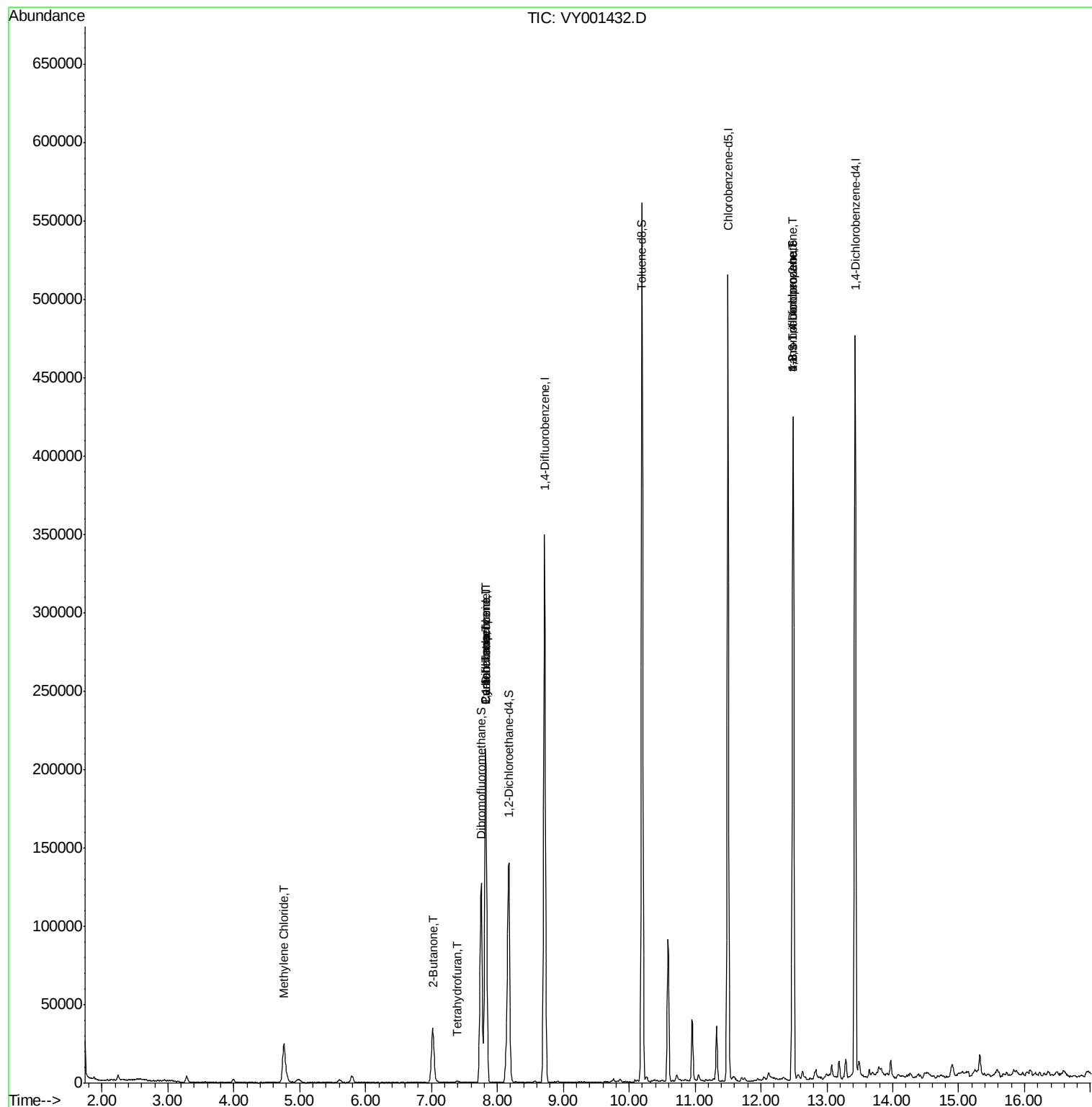
| Target Compounds               |       |     |       |           |      | Qvalue |
|--------------------------------|-------|-----|-------|-----------|------|--------|
| 11) Tert butyl alcohol         | 4.99  | 59  | 3098  | Below Cal | #    | 74     |
| 20) Methylene Chloride         | 4.76  | 84  | 17909 | 4.14      | ug/l | 99     |
| 25) 2-Butanone                 | 7.03  | 43  | 2462  | 3.13      | ug/l | # 87   |
| 29) Tetrahydrofuran            | 7.38  | 42  | 836   | 1.63      | ug/l | # 72   |
| 31) Cyclohexane                | 7.82  | 56  | 3595  | 1.03      | ug/l | # 1    |
| 36) 1,1-Dichloropropene        | 7.82  | 75  | 13209 | 4.53      | ug/l | # 50   |
| 38) Carbon Tetrachloride       | 7.82  | 117 | 15802 | 6.08      | ug/l | # 16   |
| 76) 1,2,3-Trichloropropane     | 12.49 | 75  | 64867 | 46.93     | ug/l | # 100  |
| 81) trans-1,4-Dichloro-2-buten | 12.49 | 75  | 64867 | 88.80     | ug/l | # 14   |

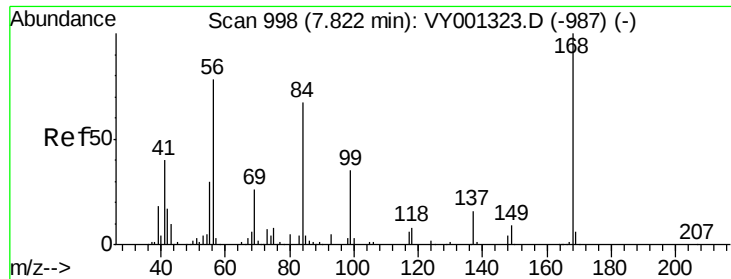
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY013020\  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RAINEY-PARK-BH-01-B

Quant Time: Jan 30 16:27:35 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 01:21:47 2020  
Response via : Initial Calibration

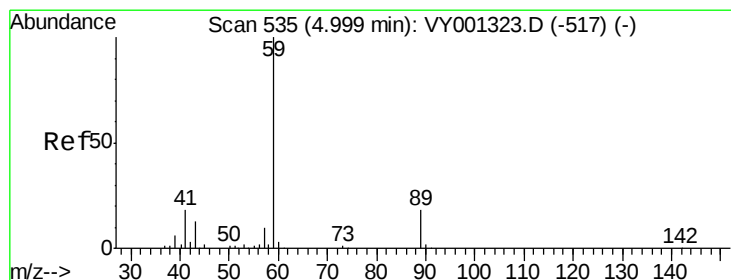
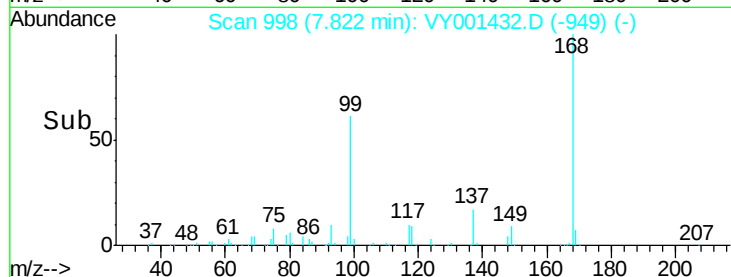
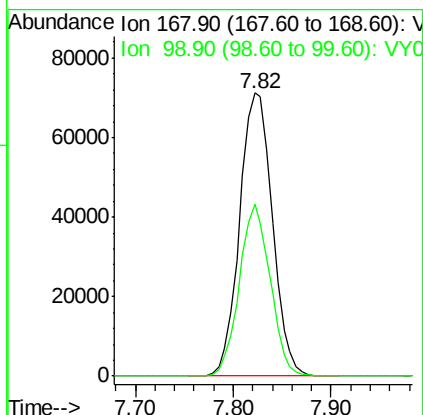
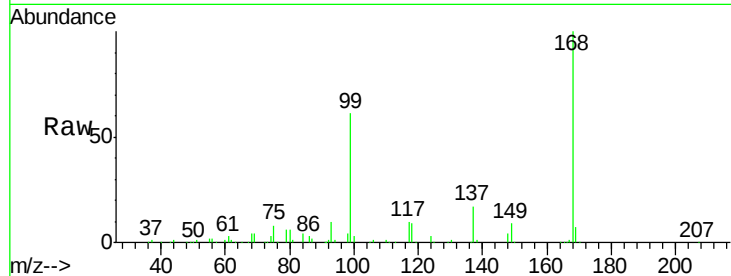




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.82 min Scan# 998  
Delta R.T. -0.00 min  
Lab File: VY001432.D  
Acq: 30 Jan 2020 16:00

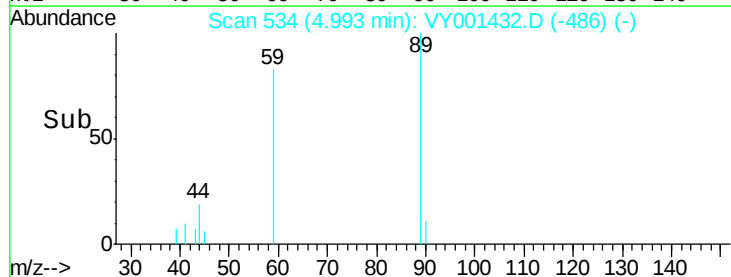
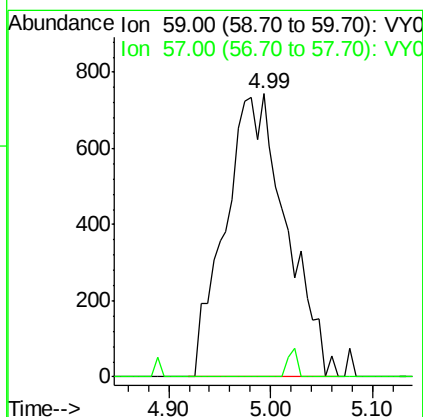
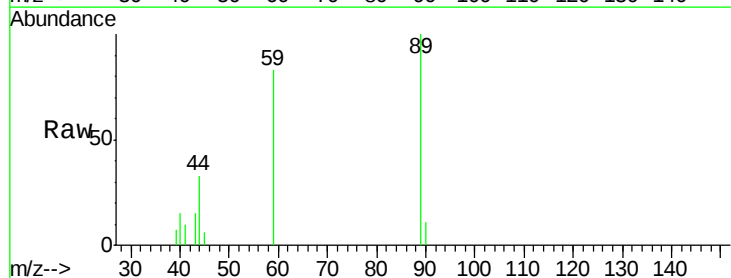
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RAINEY-PARK-BH-01-B

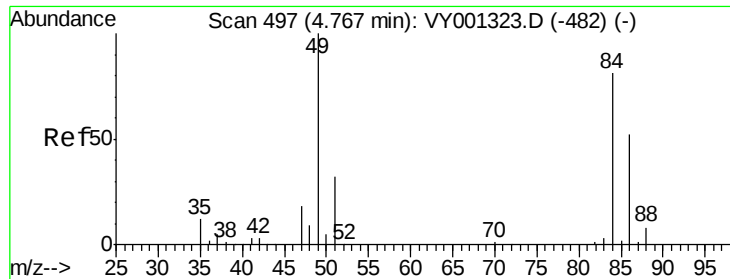
Tgt Ion:168 Resp: 166094  
Ion Ratio Lower Upper  
168 100  
99 60.7 44.3 66.5



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.99 min Scan# 534  
Delta R.T. -0.01 min  
Lab File: VY001432.D  
Acq: 30 Jan 2020 16:00

Tgt Ion: 59 Resp: 3098  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

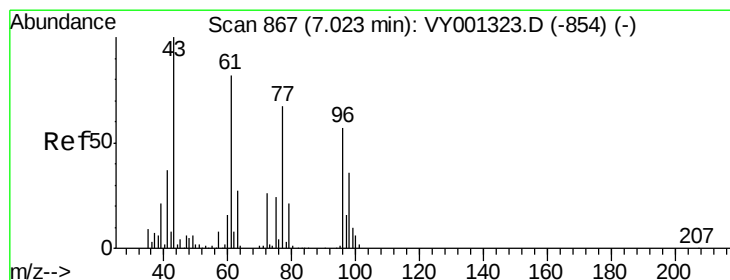
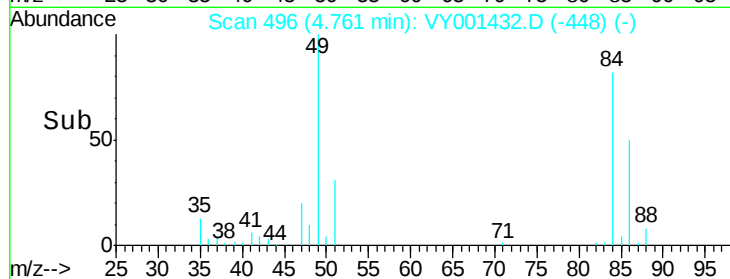
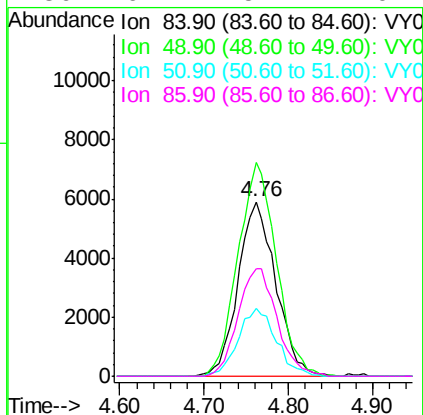
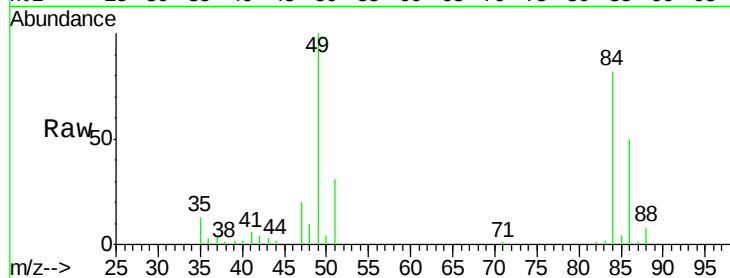




#20  
Methylene Chloride  
Concen: 4.14 ug/l  
RT: 4.76 min Scan# 496  
Delta R.T. -0.01 min  
Lab File: VY001432.D  
Acq: 30 Jan 2020 16:00

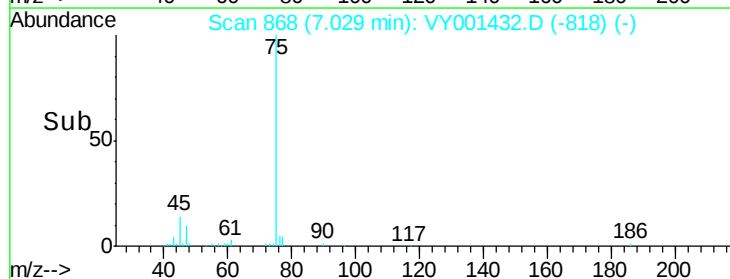
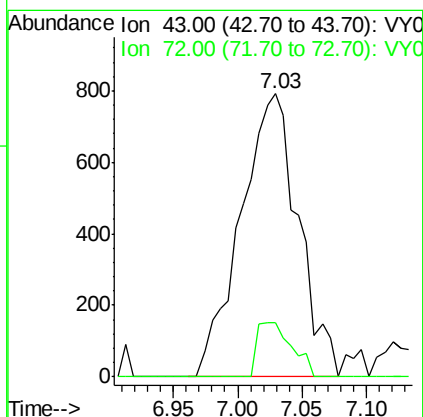
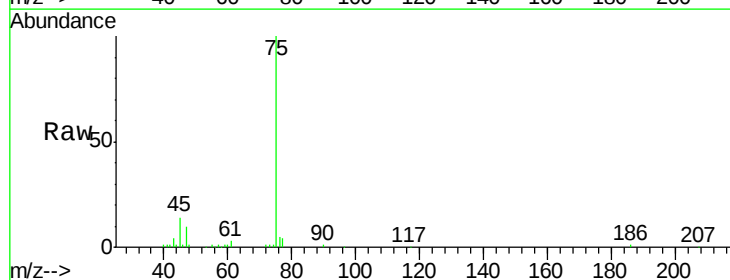
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RAINEY-PARK-BH-01-B

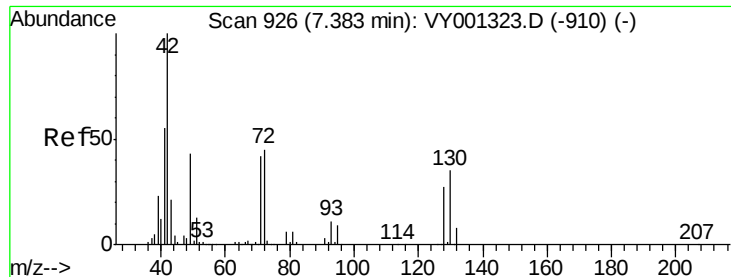
Tgt Ion: 84 Resp: 17909  
Ion Ratio Lower Upper  
84 100  
49 122.5 98.3 147.5  
51 38.6 31.6 47.4  
86 61.7 51.1 76.7



#25  
2-Butanone  
Concen: 3.13 ug/l  
RT: 7.03 min Scan# 868  
Delta R.T. 0.01 min  
Lab File: VY001432.D  
Acq: 30 Jan 2020 16:00

Tgt Ion: 43 Resp: 2462  
Ion Ratio Lower Upper  
43 100  
72 18.9 20.6 31.0#





#29

Tetrahydrofuran

Concen: 1.63 ug/l

RT: 7.38 min Scan# 926

Delta R.T. -0.00 min

Lab File: VY001432.D

Acq: 30 Jan 2020 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

RAINEY-PARK-BH-01-B

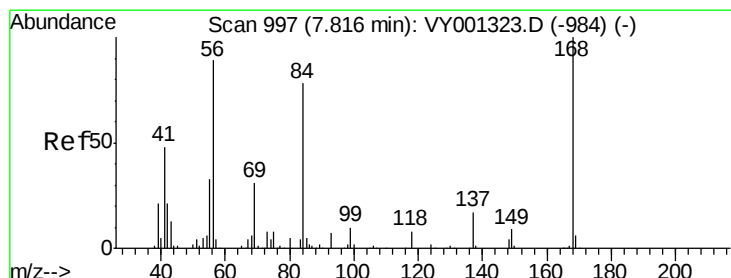
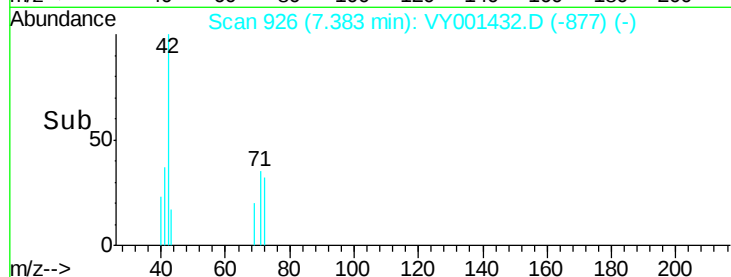
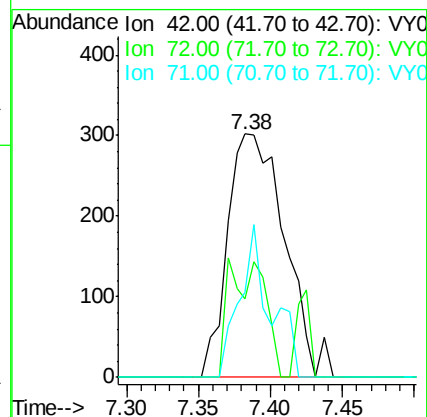
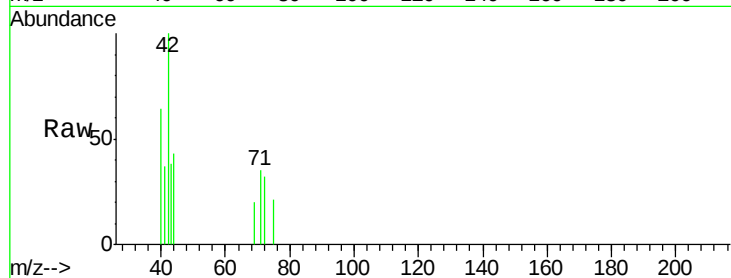
Tgt Ion: 42 Resp: 836

Ion Ratio Lower Upper

42 100

72 15.7 34.6 51.8#

71 33.6 32.6 48.8



#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001432.D

Acq: 30 Jan 2020 16:00

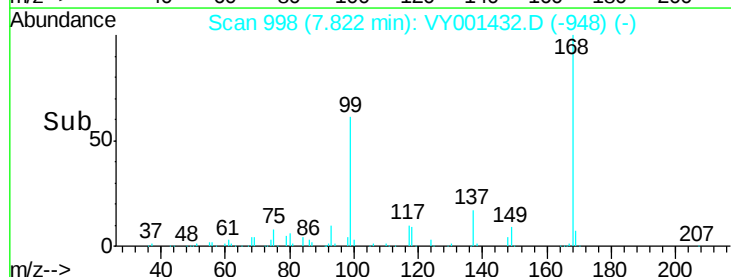
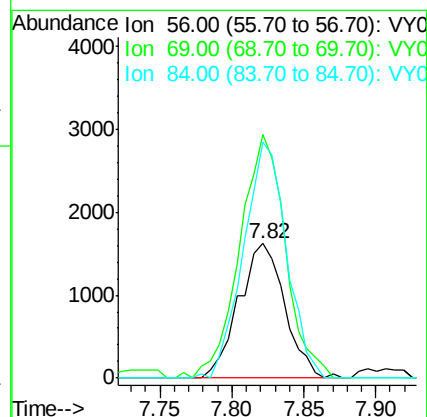
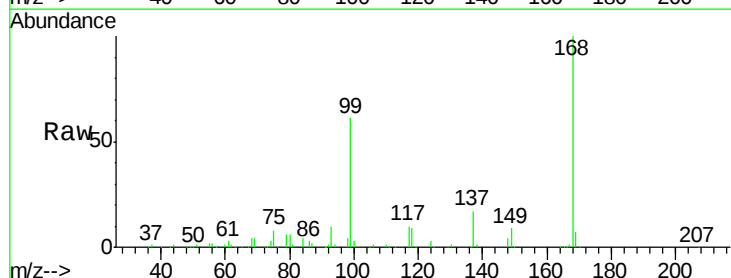
Tgt Ion: 56 Resp: 3595

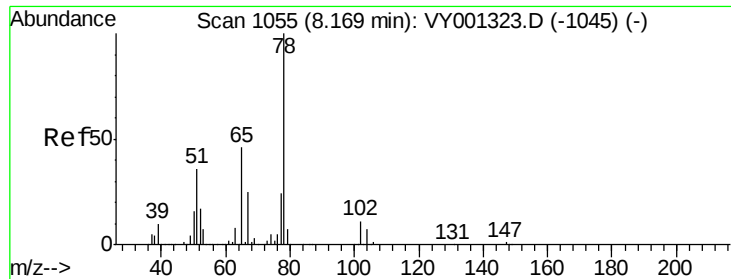
Ion Ratio Lower Upper

56 100

69 181.1 27.6 41.4#

84 175.2 69.7 104.5#

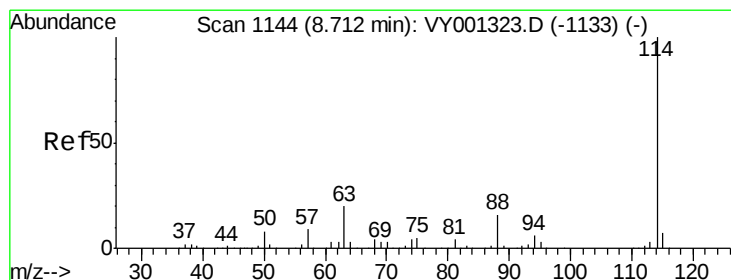
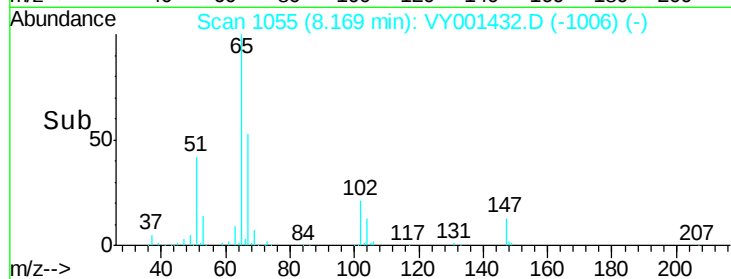
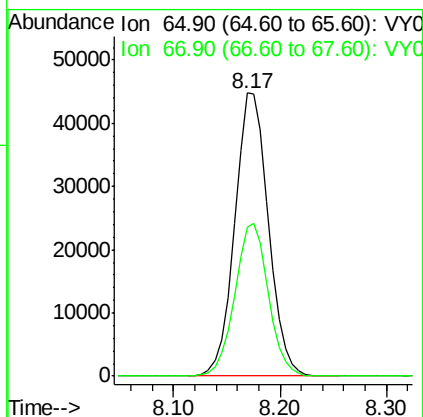
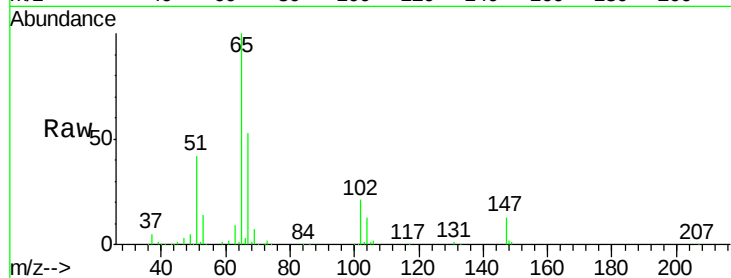




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.89 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. -0.00 min  
 Lab File: VY001432.D  
 Acq: 30 Jan 2020 16:00

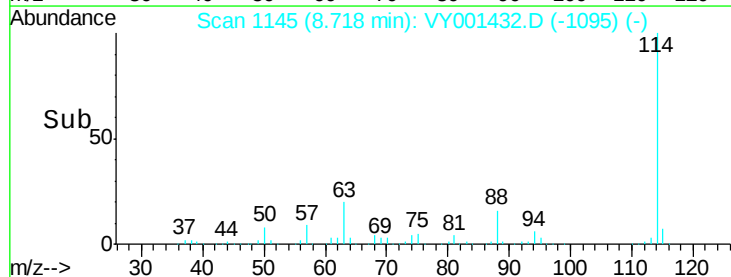
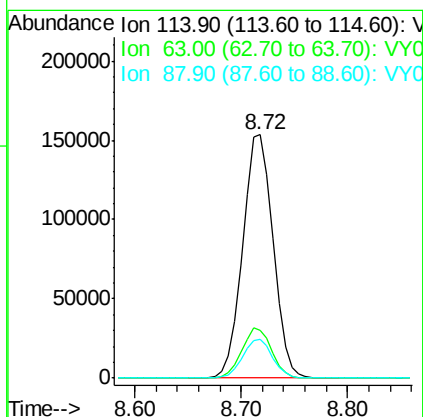
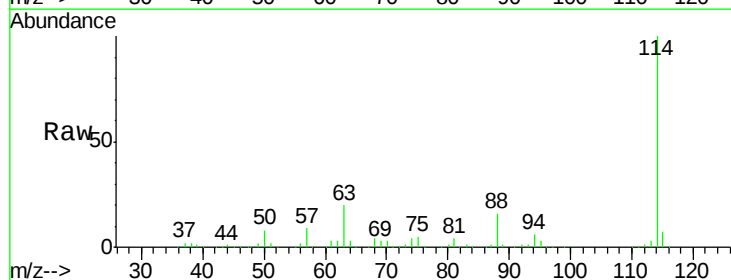
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAINEY-PARK-BH-01-B

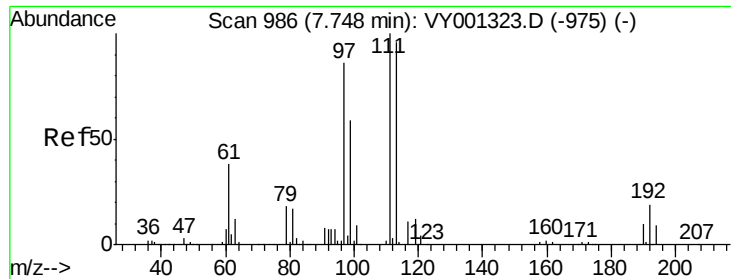
Tgt Ion: 65 Resp: 99202  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 108.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.72 min Scan# 1145  
 Delta R.T. 0.01 min  
 Lab File: VY001432.D  
 Acq: 30 Jan 2020 16:00

Tgt Ion: 114 Resp: 308500  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 40.8  
 88 15.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.58 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001432.D

Acq: 30 Jan 2020 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

RAINEY-PARK-BH-01-B

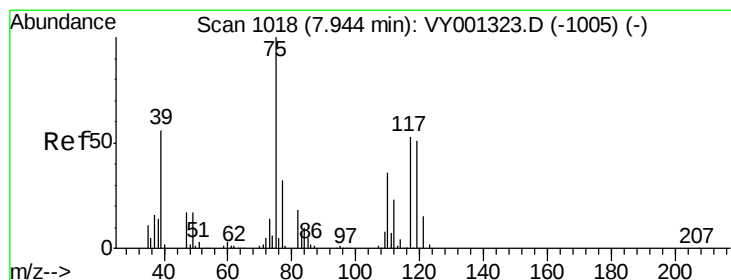
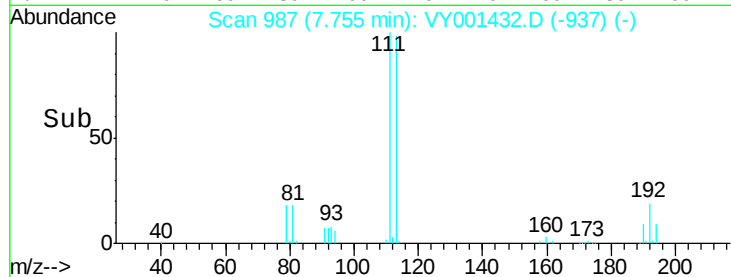
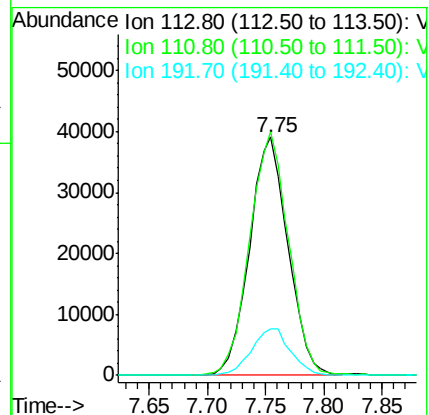
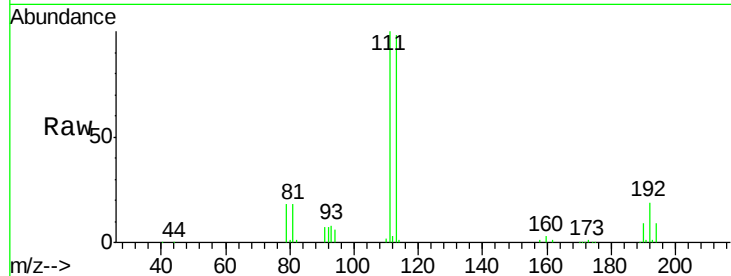
Tgt Ion:113 Resp: 89769

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 19.9 15.5 23.3



#36

1,1-Dichloropropene

Concen: 4.53 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001432.D

Acq: 30 Jan 2020 16:00

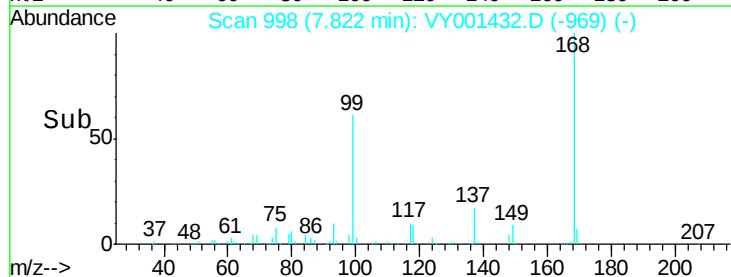
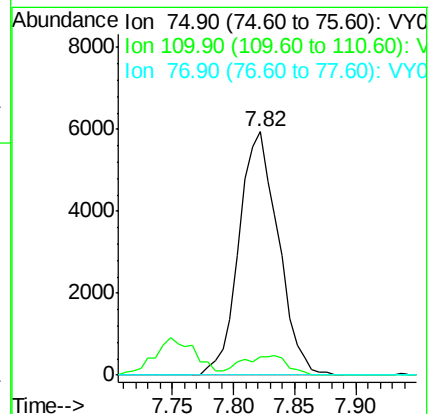
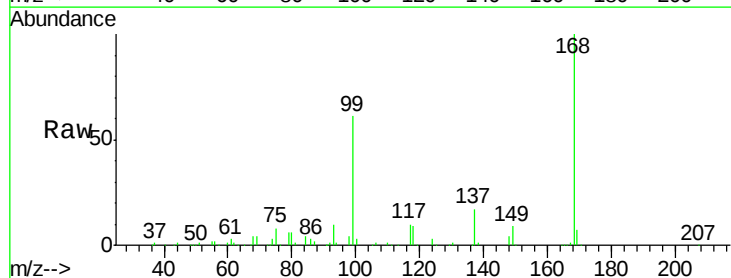
Tgt Ion: 75 Resp: 13209

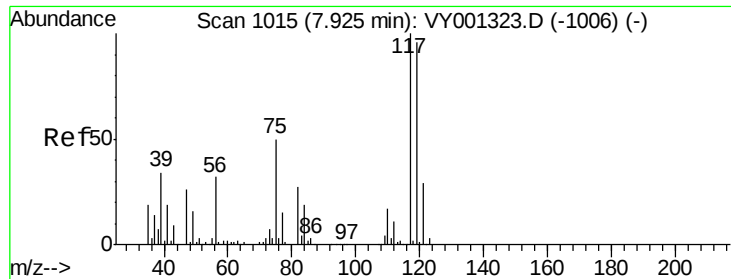
Ion Ratio Lower Upper

75 100

110 9.2 17.6 52.8#

77 0.0 24.7 37.1#

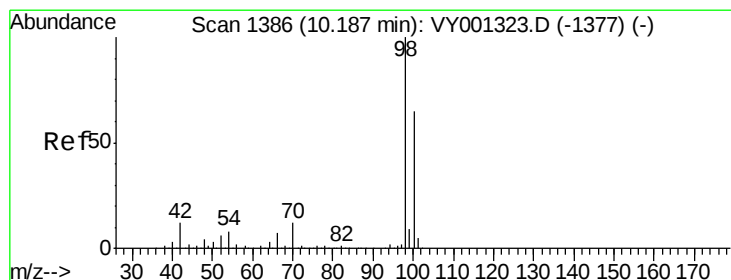
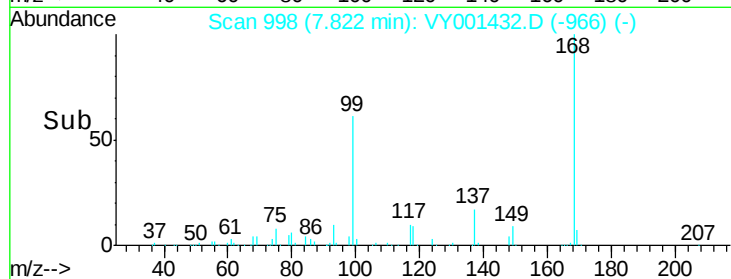
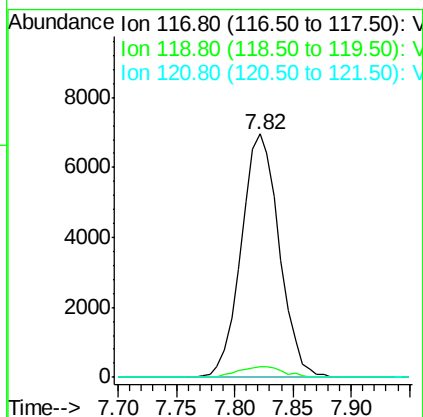
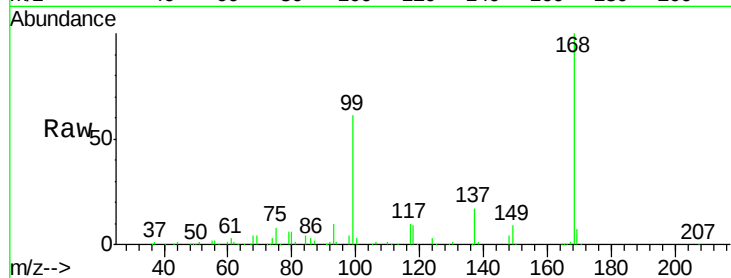




#38  
Carbon Tetrachloride  
Concen: 6.08 ug/l  
RT: 7.82 min Scan# 998  
Delta R.T. -0.10 min  
Lab File: VY001432.D  
Acq: 30 Jan 2020 16:00

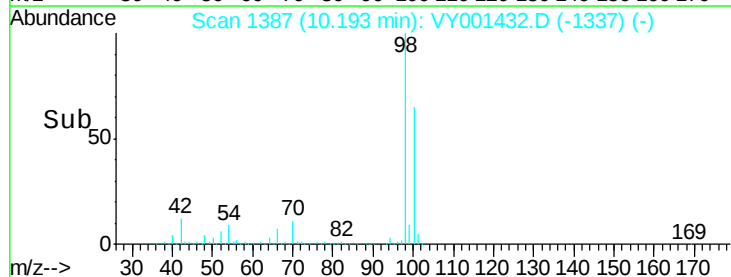
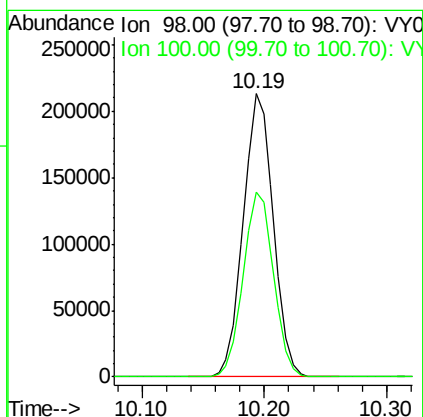
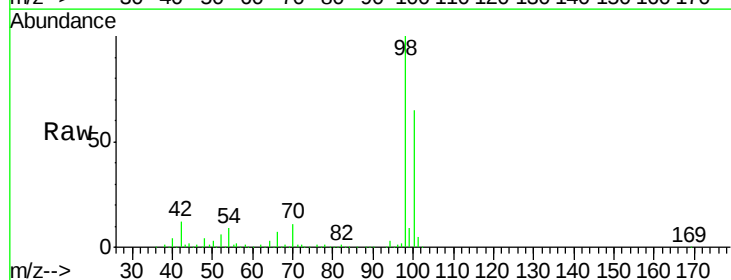
Instrument :  
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RAINEY-PARK-BH-01-B

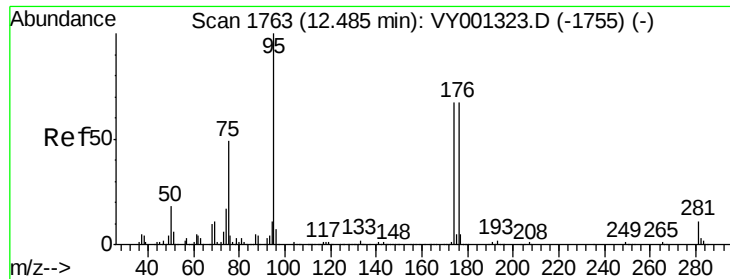
Tgt Ion: 117 Resp: 15802  
Ion Ratio Lower Upper  
117 100  
119 4.2 76.3 114.5#  
121 0.0 23.5 35.3#



#50  
Toluene-d8  
Concen: 51.59 ug/l  
RT: 10.19 min Scan# 1387  
Delta R.T. 0.01 min  
Lab File: VY001432.D  
Acq: 30 Jan 2020 16:00

Tgt Ion: 98 Resp: 362926  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.6 79.0

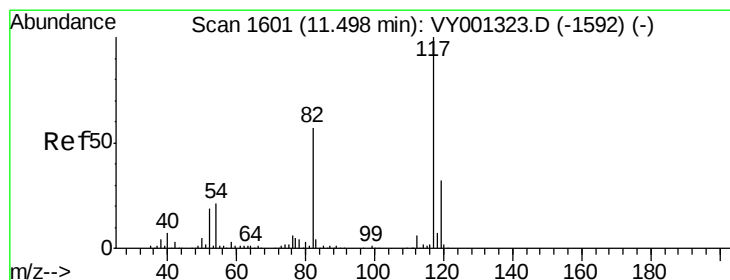
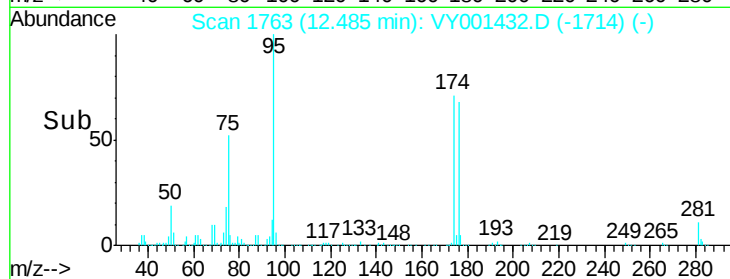
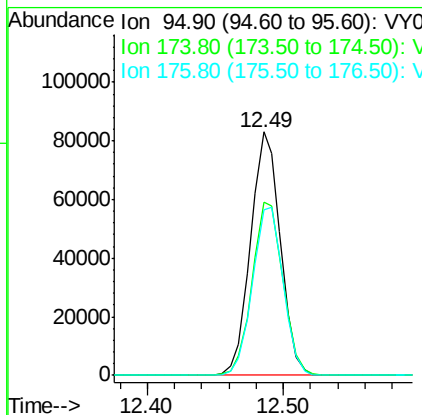
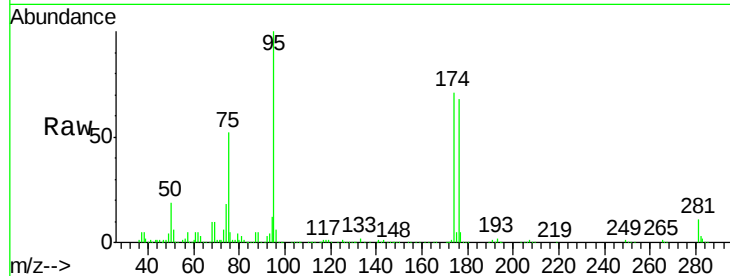




#62  
 4-Bromofluorobenzene  
 Concen: 45.51 ug/l  
 RT: 12.49 min Scan# 1763  
 Delta R.T. 0.00 min  
 Lab File: VY001432.D  
 Acq: 30 Jan 2020 16:00

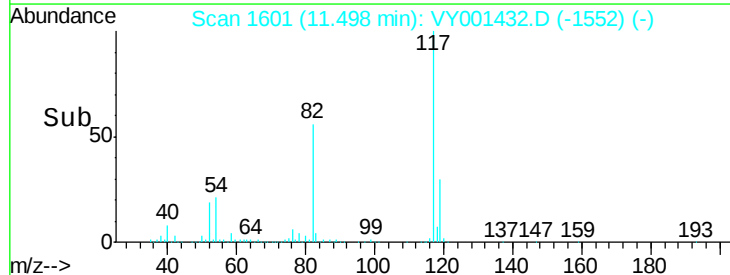
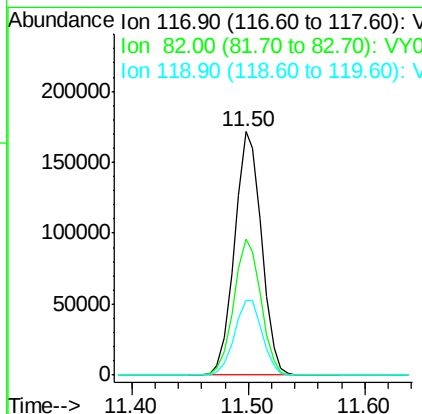
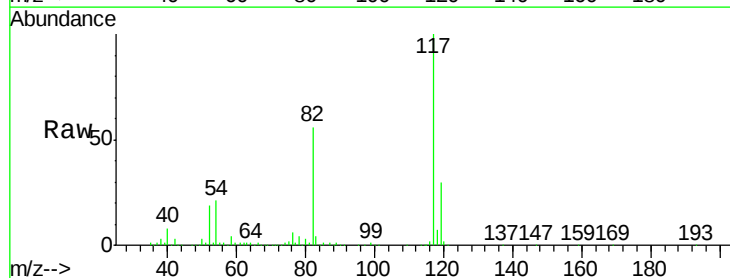
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAINEY-PARK-BH-01-B

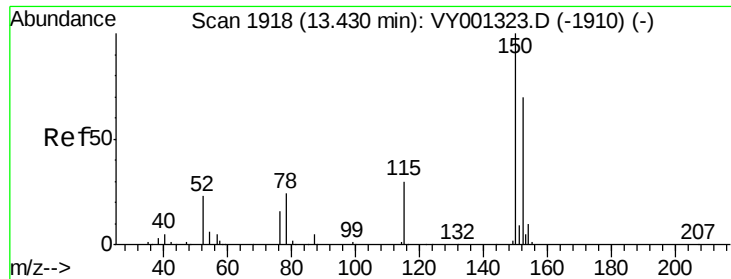
Tgt Ion: 95 Resp: 127486  
 Ion Ratio Lower Upper  
 95 100  
 174 73.7 0.0 142.0  
 176 71.0 0.0 138.6



#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.50 min Scan# 1601  
 Delta R.T. -0.00 min  
 Lab File: VY001432.D  
 Acq: 30 Jan 2020 16:00

Tgt Ion: 117 Resp: 276513  
 Ion Ratio Lower Upper  
 117 100  
 82 55.7 45.5 68.3  
 119 30.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY001432.D

Acq: 30 Jan 2020 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

RAINEY-PARK-BH-01-B

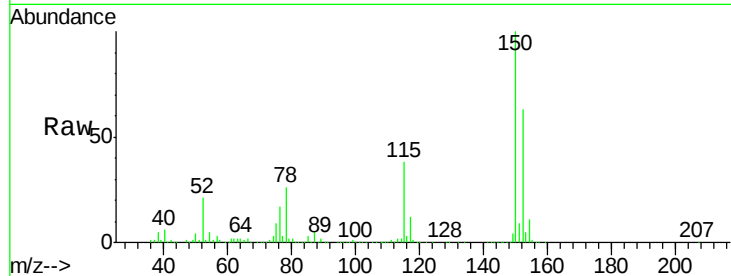
Tgt Ion: 152 Resp: 114714

Ion Ratio Lower Upper

152 100

115 61.2 30.9 92.8

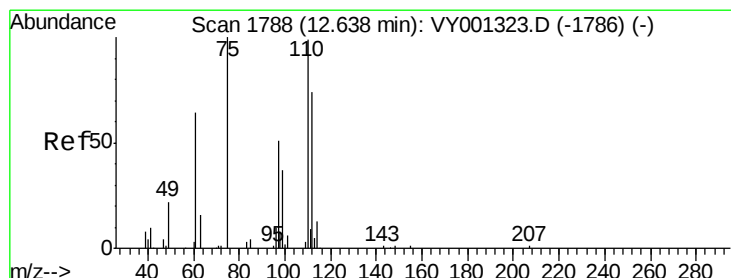
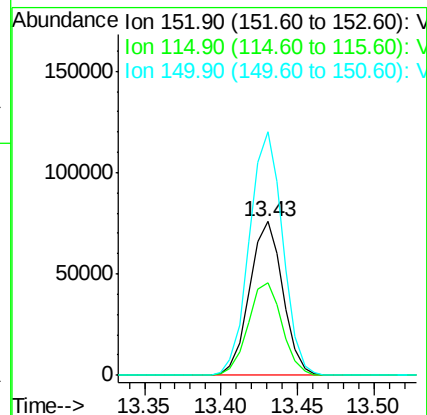
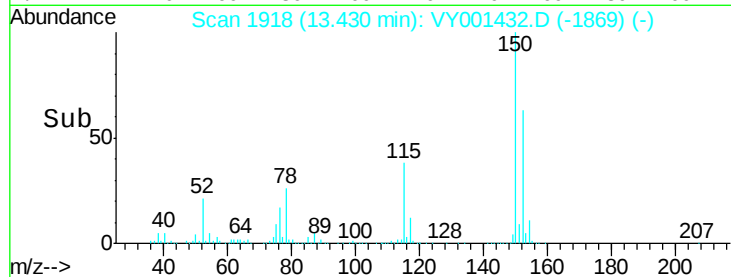
150 159.0 0.0 349.2



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: 46.93 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001432.D

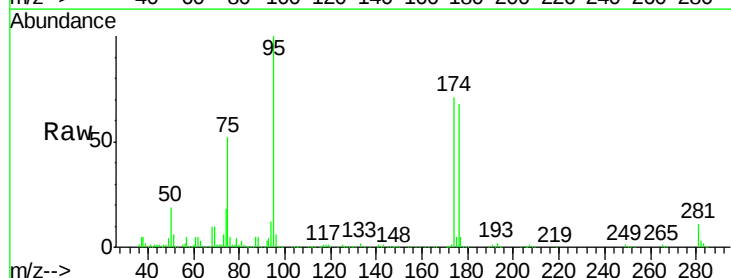
Acq: 30 Jan 2020 16:00

Tgt Ion: 75 Resp: 64867

Ion Ratio Lower Upper

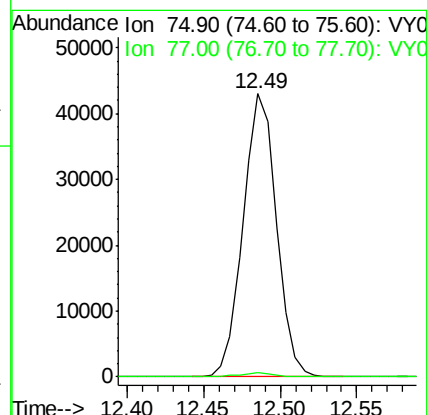
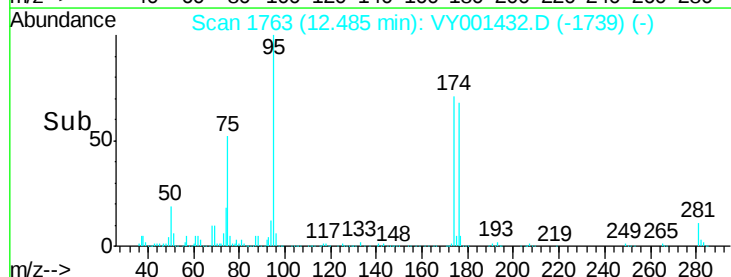
75 100

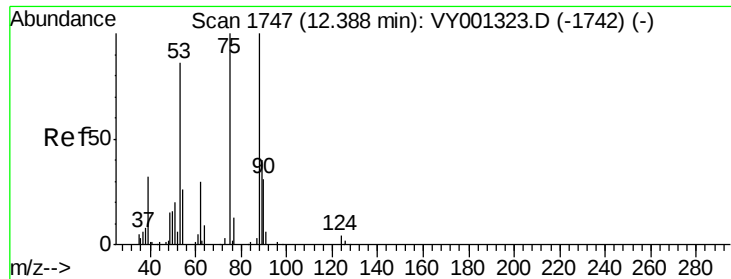
77 1.7 0.0 0.0#



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: 88.80 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001432.D

Acq: 30 Jan 2020 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

RAINEY-PARK-BH-01-B

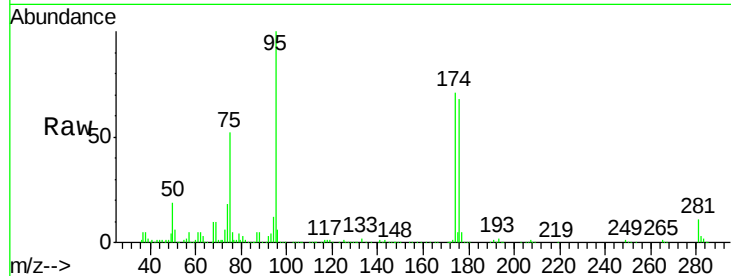
Tgt Ion: 75 Resp: 64867

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.4 36.6 54.8#



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

