

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\  
 Data File : VX008074.D  
 Acq On : 14 Mar 2019 16:46  
 Operator : JC/SP  
 Sample : K1895-01ME  
 Misc : 4.70g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OILY-SOILME

Quant Time: Mar 15 09:12:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 03:56:35 2019  
 Response via : Initial Calibration

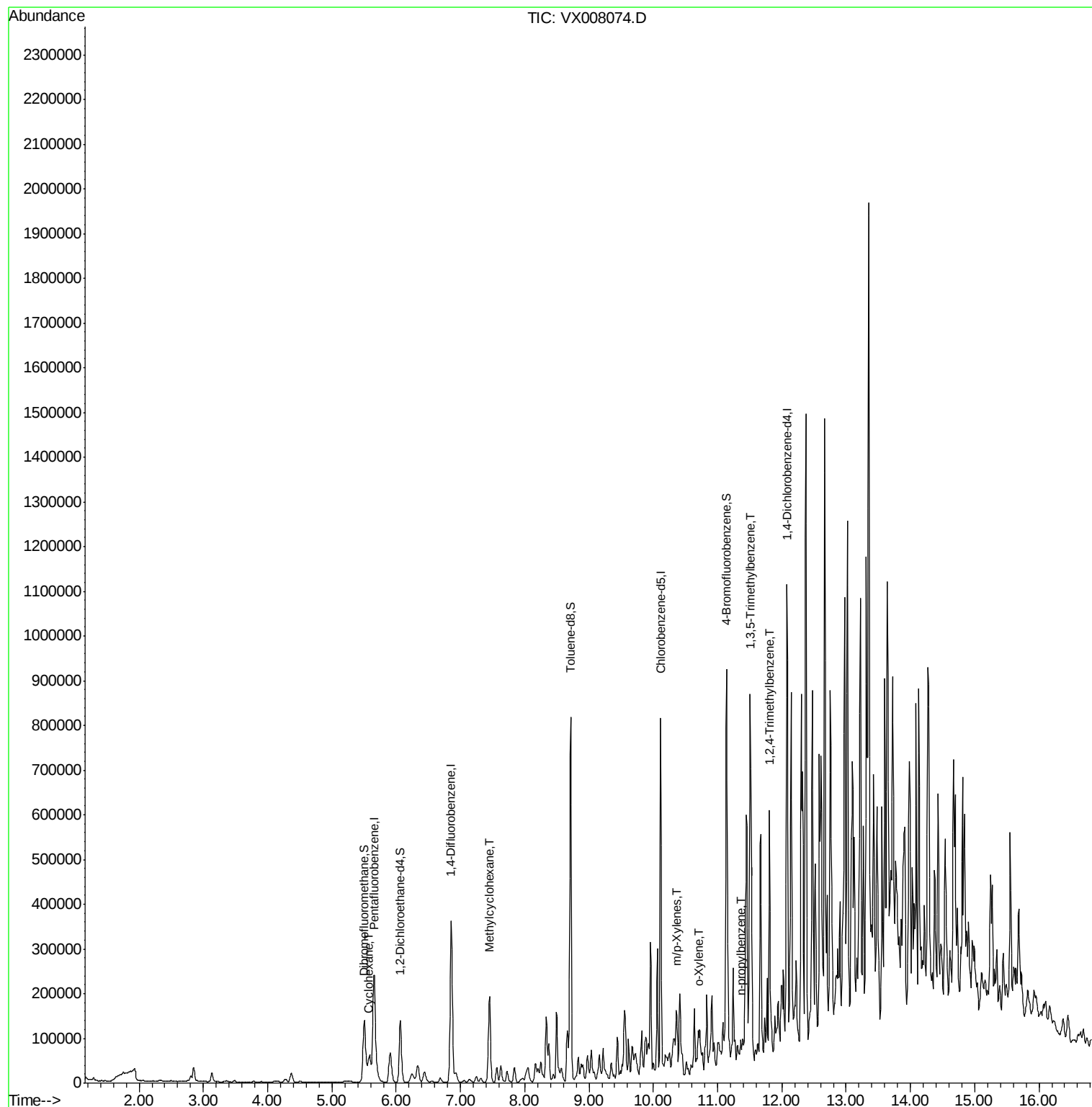
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.66   | 168  | 260390   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86   | 114  | 394294   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12  | 117  | 389996   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08  | 152  | 216002   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65   | 128523   | 48.93  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 97.86%  |          |
| 35) Dibromofluoromethane    | 5.50   | 113  | 119367   | 47.74  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 95.48%  |          |
| 50) Toluene-d8              | 8.71   | 98   | 481679   | 50.65  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 101.30% |          |
| 62) 4-Bromofluorobenzene    | 11.14  | 95   | 195008   | 57.24  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 114.48% |          |
| Target Compounds            |        |      |          |        |         |          |
| 31) Cyclohexane             | 5.57   | 56   | 28710    | 7.644  | ug/l    | # 80     |
| 39) Methylcyclohexane       | 7.45   | 83   | 88668    | 21.385 | ug/l    | 98       |
| 68) m/p-Xylenes             | 10.36  | 106  | 22770    | 4.645  | ug/l    | 100      |
| 69) o-Xylene                | 10.70  | 106  | 18214    | 3.812  | ug/l    | 98       |
| 78) n-propylbenzene         | 11.36  | 91   | 28424    | 1.873  | ug/l    | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.51  | 105  | 336294   | 29.499 | ug/l    | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.80  | 105  | 235439   | 20.022 | ug/l    | 98       |

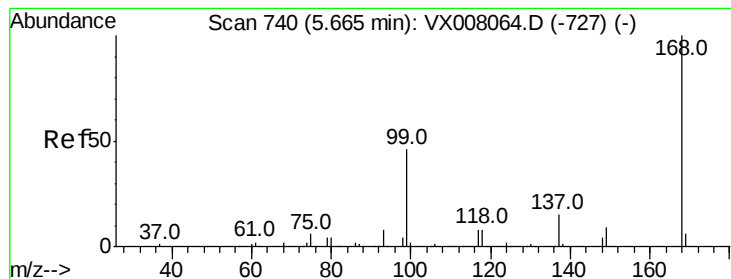
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031419\  
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Sample : K1895-01ME  
Misc : 4.70µ/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
OILY-SOILME

Quant Time: Mar 15 09:12:36 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 15 03:56:35 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008074.D

Acq: 14 Mar 2019 16:46

Instrument :

MSVOA\_X

ClientSampleId :

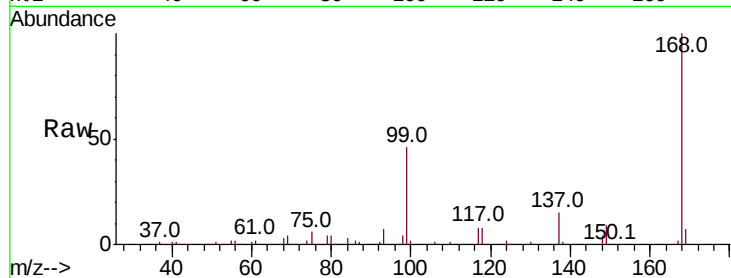
OILY-SOILME

Tot Ion:168 Resp: 260390

Ion Ratio Lower Upper

168 100

99 46.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

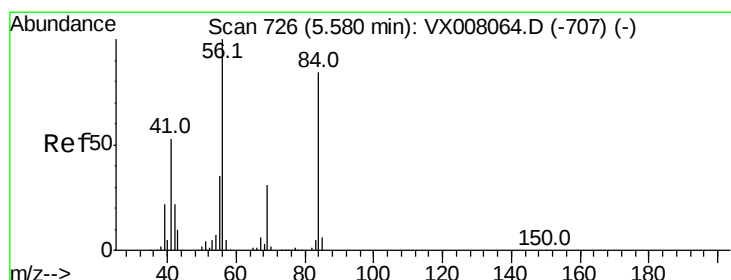
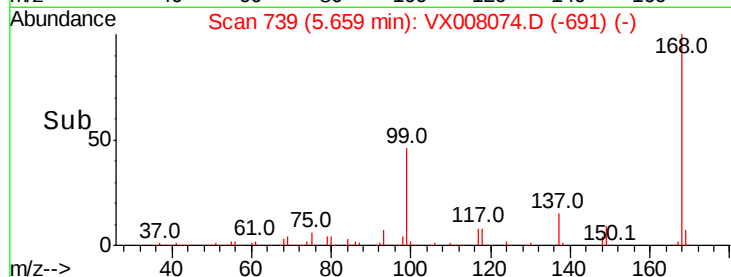
60000

40000

20000

0

Time-->



#31

Cyclohexane

Concen: 7.644 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX008074.D

Acq: 14 Mar 2019 16:46

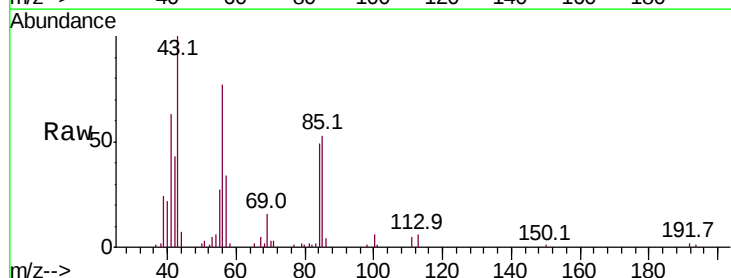
Tgt Ion: 56 Resp: 28710

Ion Ratio Lower Upper

56 100

69 16.6 24.0 36.0#

84 65.0 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

8000

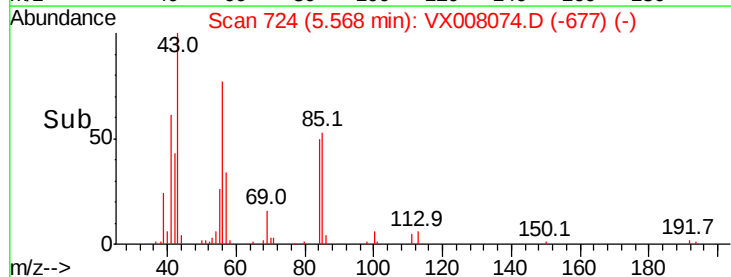
6000

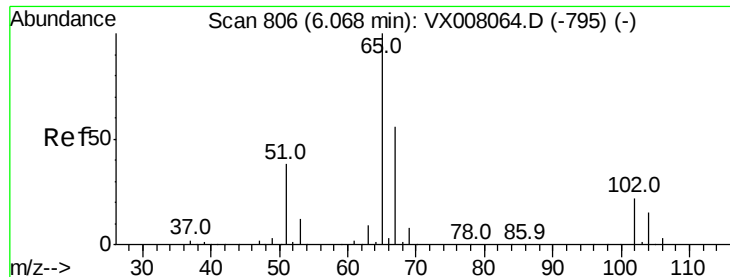
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.930 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008074.D

Acq: 14 Mar 2019 16:46

Instrument :

MSVOA\_X

ClientSampled :

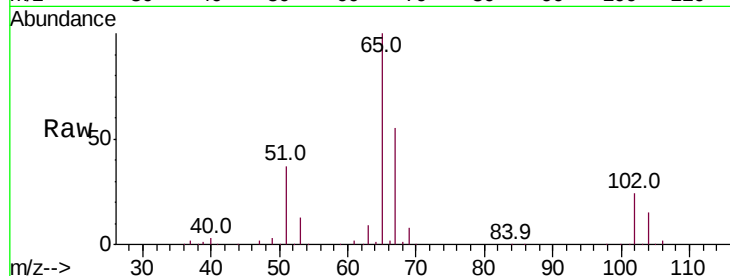
OILY-SOILME

Tot Ion: 65 Resp: 128523

Ion Ratio Lower Upper

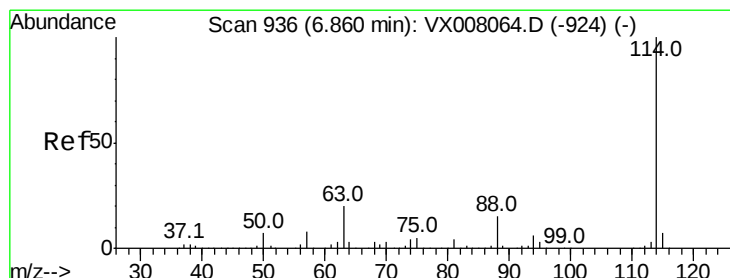
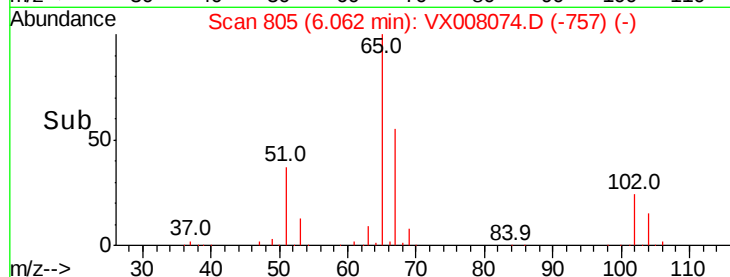
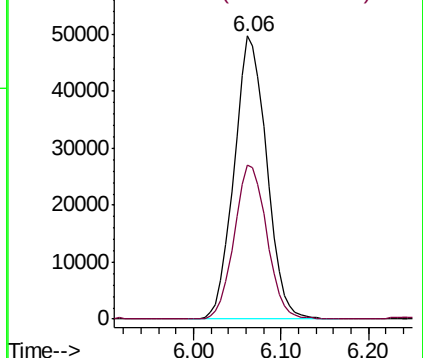
65 100

67 54.6 0.0 110.0



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008074.D

Acq: 14 Mar 2019 16:46

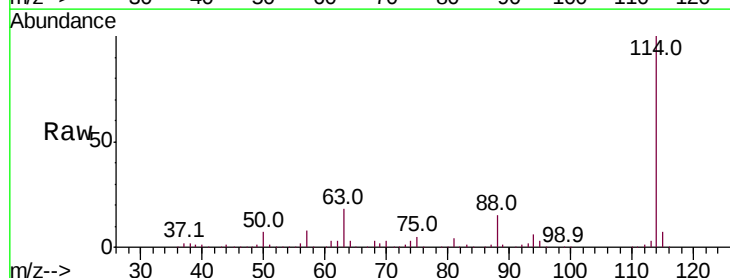
Tgt Ion: 114 Resp: 394294

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.8

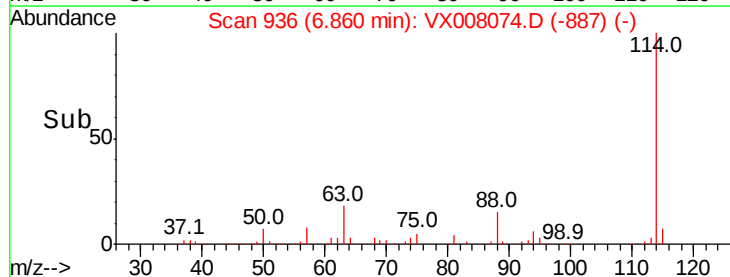
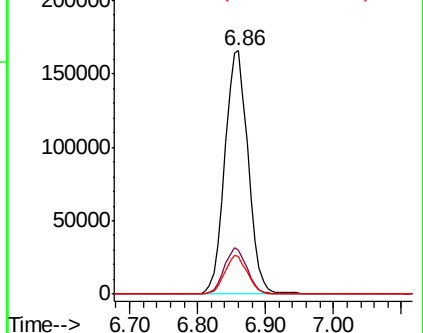
88 15.3 0.0 31.4

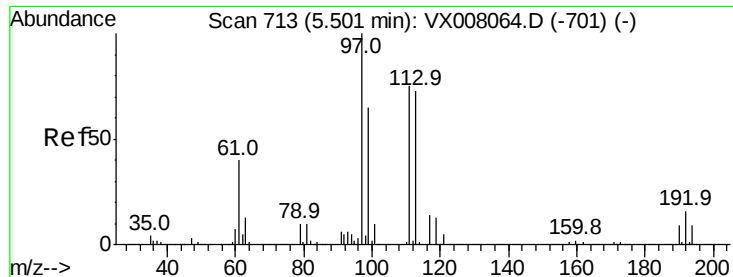


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

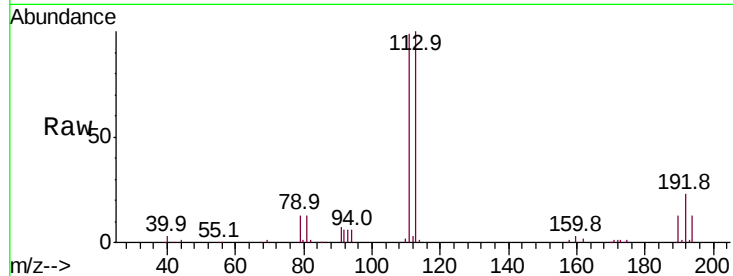




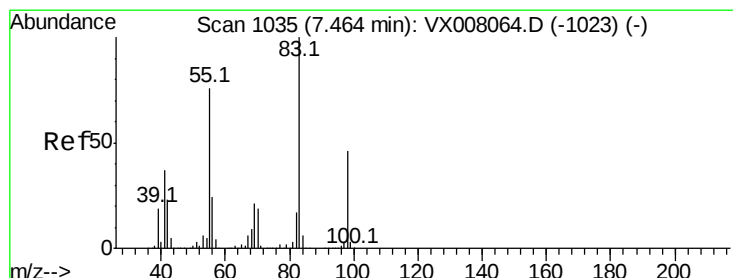
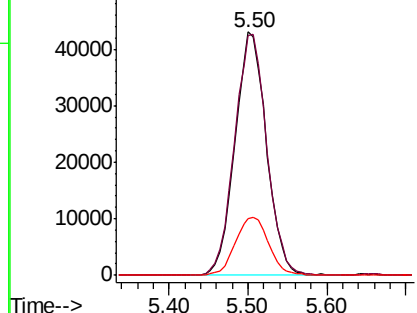
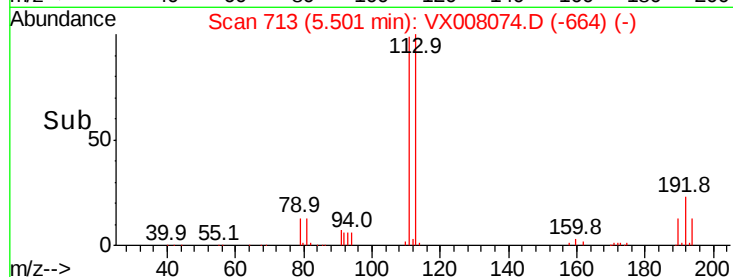
#35  
 Dibromofluoromethane  
 Concen: 47.739 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX008074.D  
 Acq: 14 Mar 2019 16:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OILY-SOILME

Tot Ion:113 Resp: 119367  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 81.4 122.0  
 192 25.2 19.4 29.0

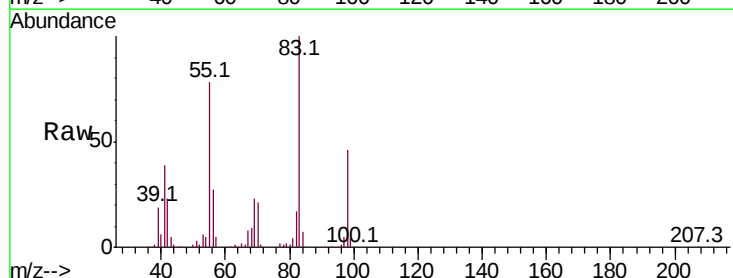


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

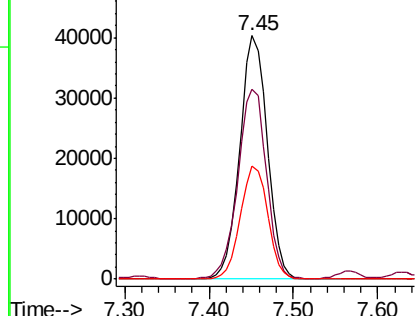
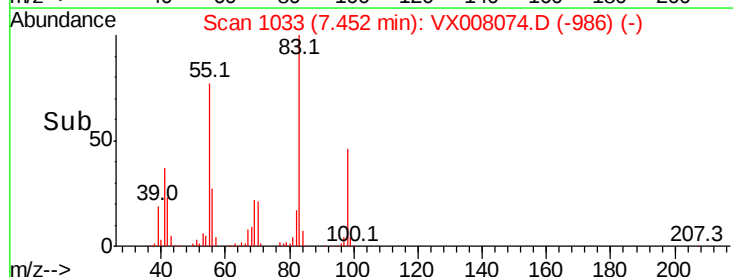


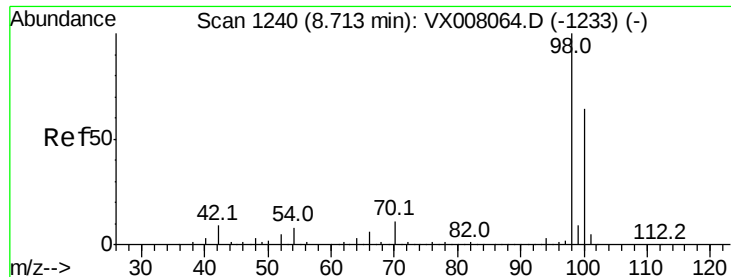
#39  
 Methylcyclohexane  
 Concen: 21.385 ug/l  
 RT: 7.45 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: VX008074.D  
 Acq: 14 Mar 2019 16:46

Tgt Ion: 83 Resp: 88668  
 Ion Ratio Lower Upper  
 83 100  
 55 77.5 60.4 90.6  
 98 46.4 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): VX0  
 Ion 55.00 (54.70 to 55.70): VX0  
 Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 50.651 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008074.D

Acq: 14 Mar 2019 16:46

Instrument :

MSVOA\_X

ClientSampleId :

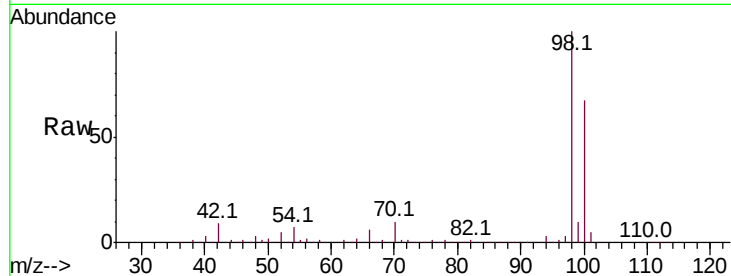
OILY-SOILME

Tot Ion: 98 Resp: 481679

Ion Ratio Lower Upper

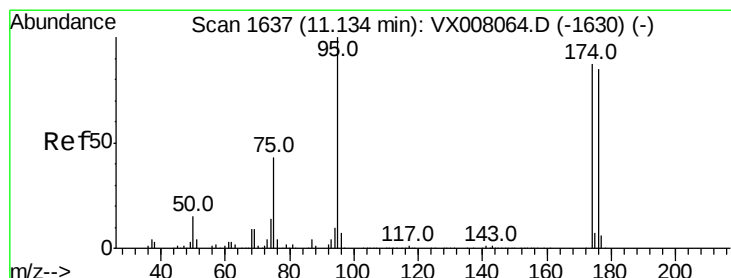
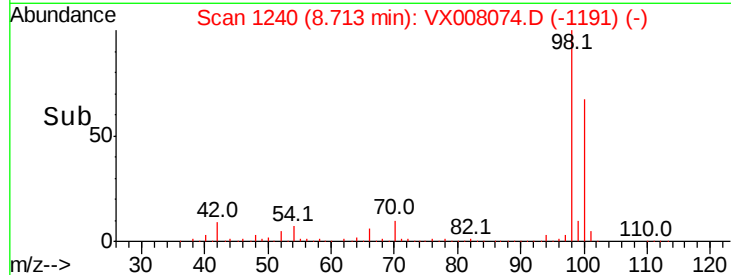
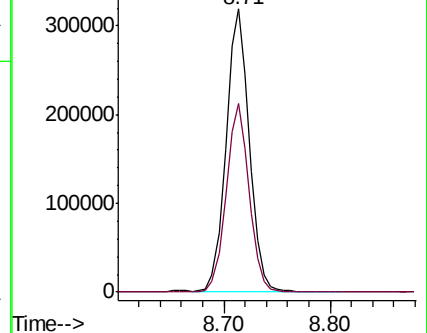
98 100

100 66.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 57.242 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008074.D

Acq: 14 Mar 2019 16:46

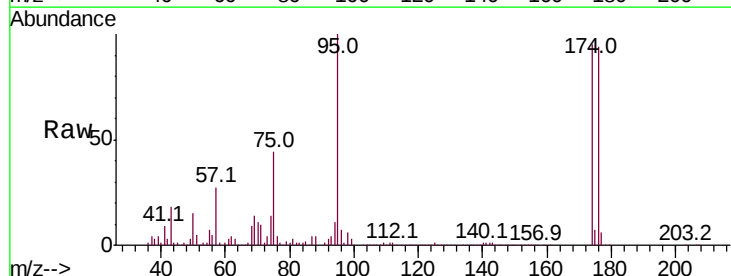
Tgt Ion: 95 Resp: 195008

Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.8

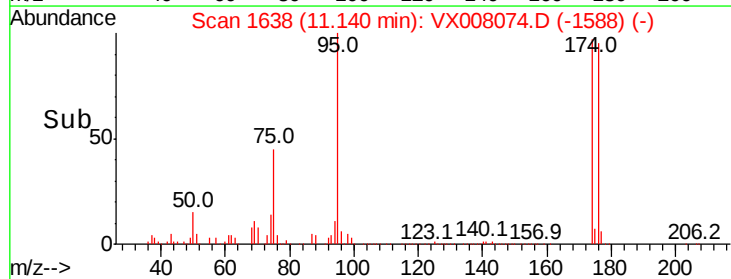
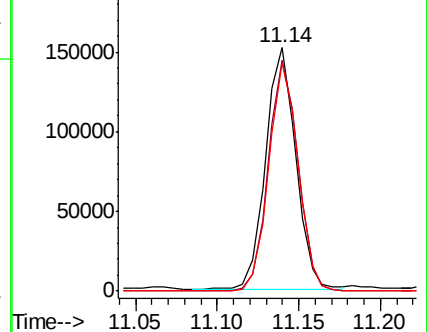
176 91.1 0.0 178.0

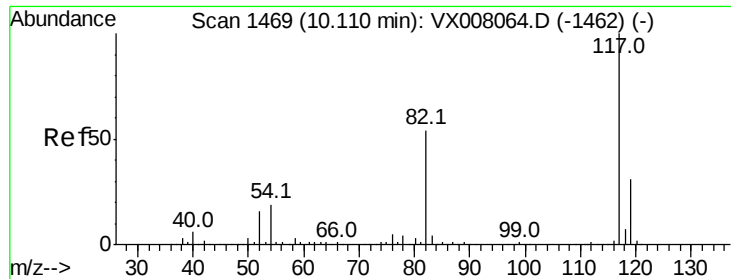


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

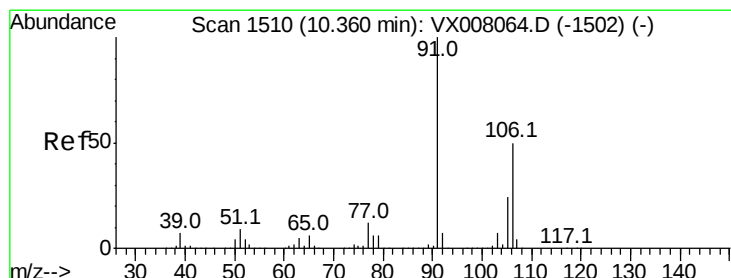
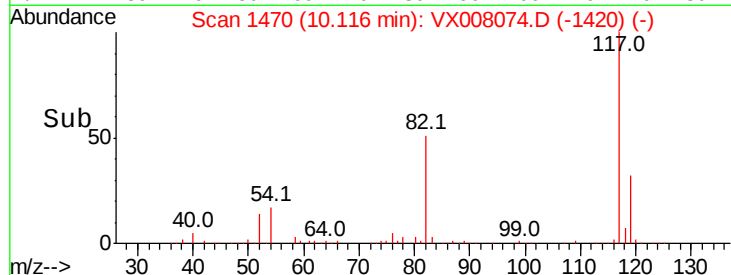
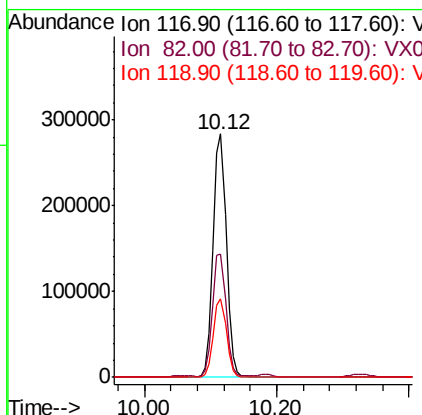
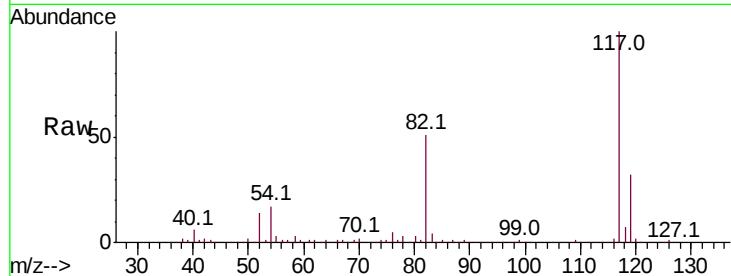




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX008074.D  
Acq: 14 Mar 2019 16:46

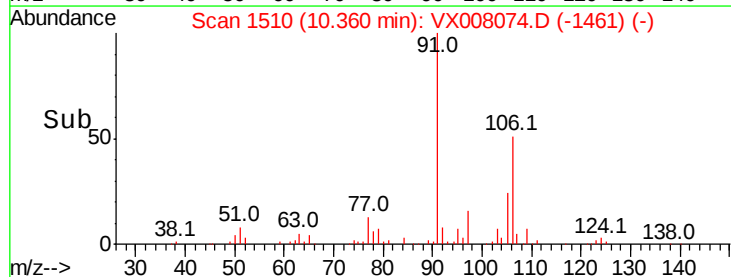
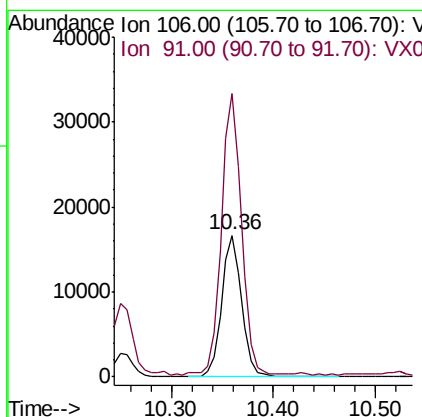
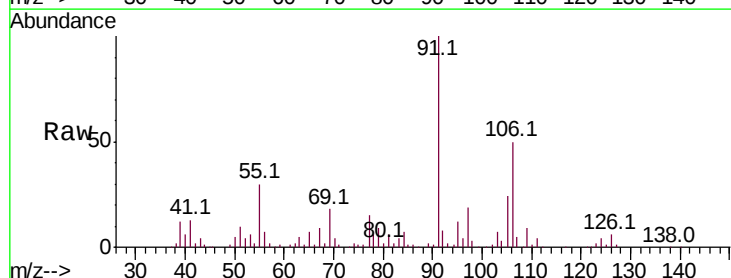
Instrument :  
MSVOA\_X  
ClientSampleId :  
OILY-SOILME

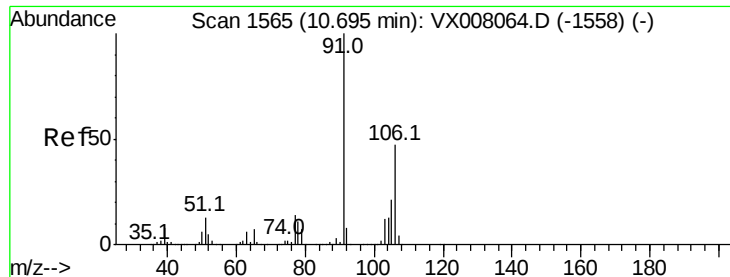
Tot Ion:117 Resp: 389996  
Ion Ratio Lower Upper  
117 100  
82 50.6 44.3 66.5  
119 32.1 25.3 37.9



#68  
m/p-Xylenes  
Concen: 4.645 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX008074.D  
Acq: 14 Mar 2019 16:46

Tgt Ion:106 Resp: 22770  
Ion Ratio Lower Upper  
106 100  
91 199.4 159.8 239.6

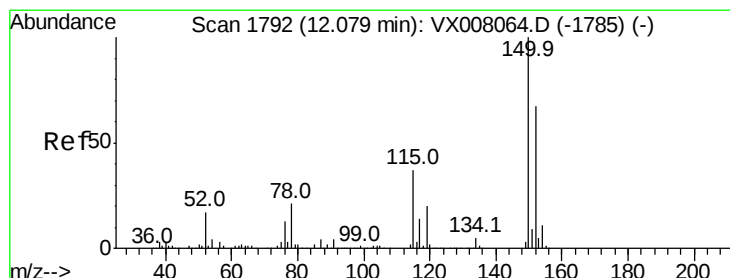
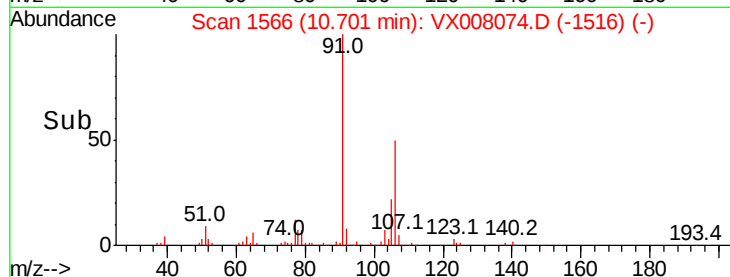
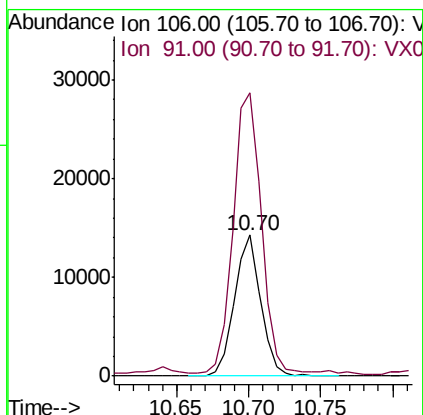
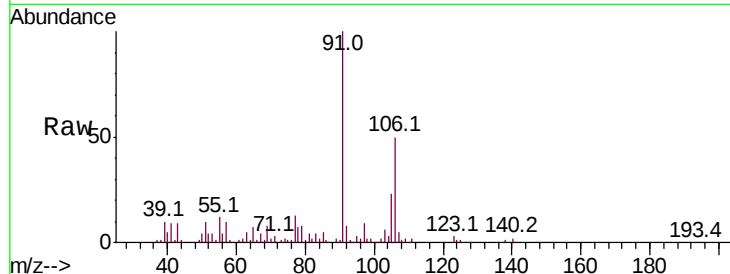




#69  
o-Xylene  
Concen: 3.812 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.01 min  
Lab File: VX008074.D  
Acq: 14 Mar 2019 16:46

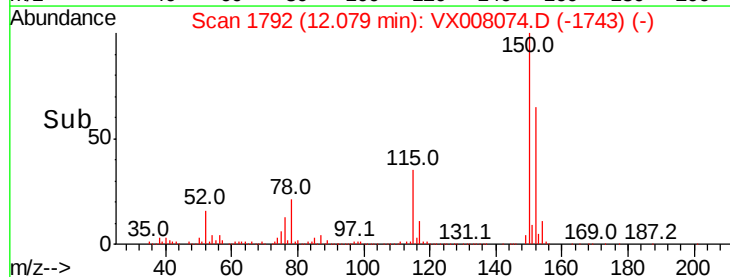
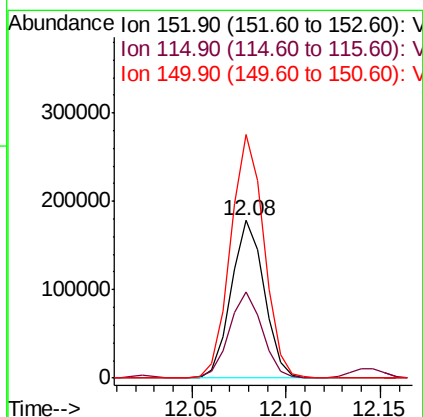
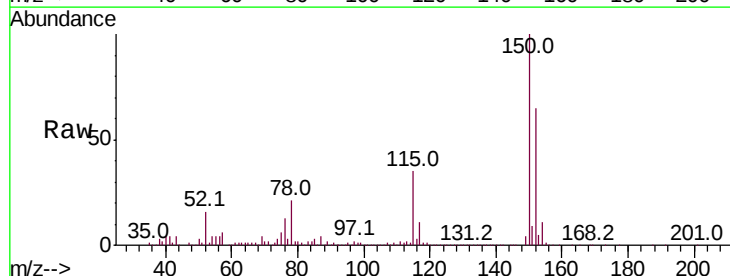
Instrument :  
MSVOA\_X  
ClientSampleId :  
OILY-SOILME

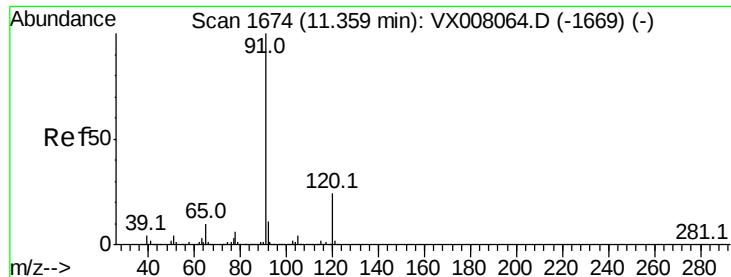
Tot Ion:106 Resp: 18214  
Ion Ratio Lower Upper  
106 100  
91 210.0 106.3 318.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX008074.D  
Acq: 14 Mar 2019 16:46

Tgt Ion:152 Resp: 216002  
Ion Ratio Lower Upper  
152 100  
115 55.0 38.6 115.7  
150 156.4 0.0 348.4





#78

n-propylbenzene

Concen: 1.873 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008074.D

Acq: 14 Mar 2019 16:46

Instrument :

MSVOA\_X

ClientSampled :

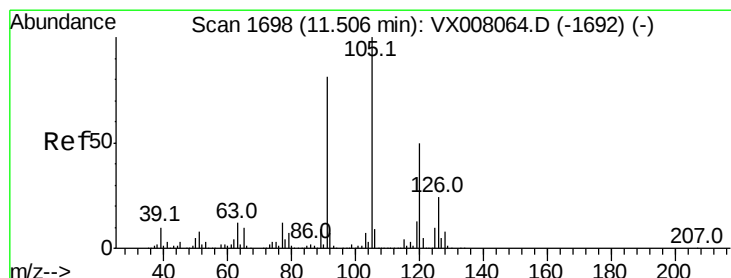
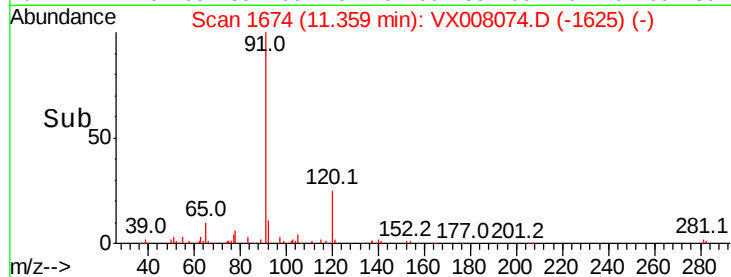
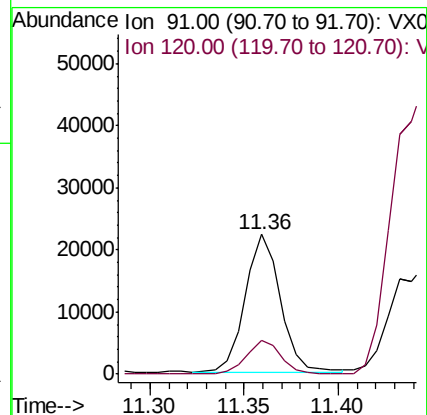
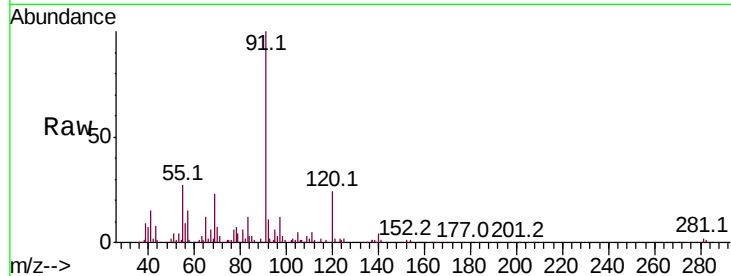
OILY-SOILME

Tot Ion: 91 Resp: 28424

Ion Ratio Lower Upper

91 100

120 24.4 12.0 36.0



#80

1,3,5-Trimethylbenzene

Concen: 29.499 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008074.D

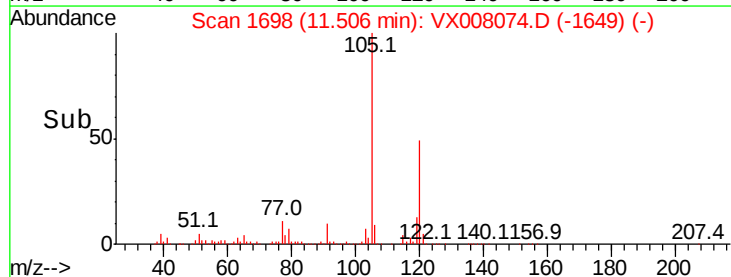
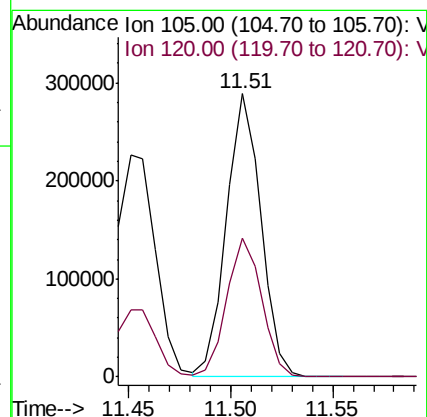
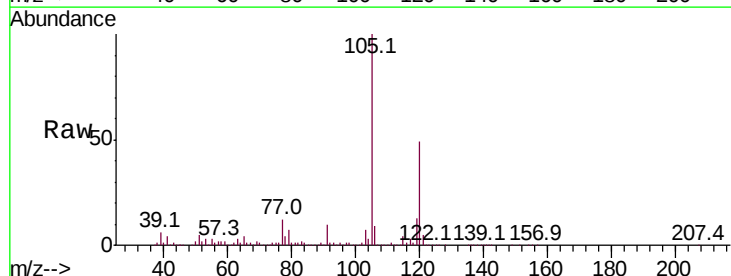
Acq: 14 Mar 2019 16:46

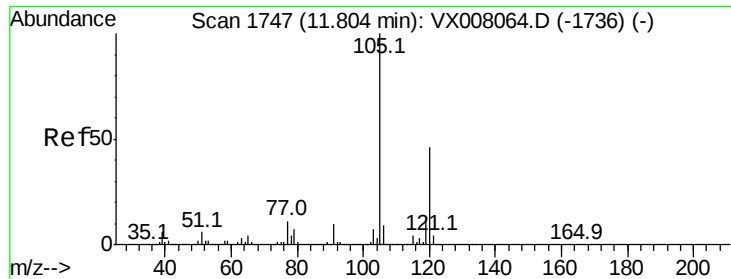
Tgt Ion: 105 Resp: 336294

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.022 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX008074.D  
 Acq: 14 Mar 2019 16:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OILY-SOILME

Tot Ion:105 Resp: 235439  
 Ion Ratio Lower Upper  
 105 100  
 120 46.5 22.6 67.7

