

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\  
 Data File : VX009869.D  
 Acq On : 23 May 2019 19:25  
 Operator : JC/SP  
 Sample : K2976-01DL 250X  
 Misc : 6.56g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-SB-E2-3R(14-17)DL

Quant Time: May 24 03:54:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 177348   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 285917   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 258381   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 120607   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 121989   | 50.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.78% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 86272    | 48.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.00%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 362256   | 49.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.84%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 129823   | 49.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.48%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.32  | 50   | 474      | 0.212     | ug/l # | 82     |
| 10) Methyl Iodide              | 2.52  | 142  | 21       | 4.604     | ug/l # | 42     |
| 11) Tert butyl alcohol         | 3.02  | 59   | 3175     | 5.666     | ug/l # | 74     |
| 13) Acrolein                   | 2.29  | 56   | 120      | 0.236     | ug/l   | 91     |
| 16) Acetone                    | 2.45  | 43   | 1301     | 1.001     | ug/l   | 89     |
| 18) Methyl Acetate             | 2.78  | 43   | 637      | 0.206     | ug/l # | 70     |
| 25) 2-Butanone                 | 4.71  | 43   | 1246     | 0.617     | ug/l   | 92     |
| 26) 2,2-Dichloropropane        | 4.69  | 77   | 934      | 0.326     | ug/l # | 53     |
| 28) Bromochloromethane         | 5.04  | 49   | 58       | Below Cal | #      | 20     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 14211    | 5.348     | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 17131    | 7.096     | ug/l # | 16     |
| 49) 1,4-Dioxane                | 7.62  | 88   | 19       | 0.319     | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 759      | 0.372     | ug/l # | 23     |
| 59) 2-Hexanone                 | 9.45  | 43   | 4133     | 1.360     | ug/l # | 33     |
| 67) Ethyl Benzene              | 10.25 | 91   | 2182     | 0.229     | ug/l   | 90     |
| 68) m/p-Xylenes                | 10.36 | 106  | 6536     | 1.880     | ug/l   | 91     |
| 73) Isopropylbenzene           | 11.02 | 105  | 17232    | 1.965     | ug/l   | 98     |
| 74) N-amyl acetate             | 11.13 | 43   | 26576    | 5.197     | ug/l   | 91     |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 7270     | 2.224     | ug/l # | 25     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 67570    | 24.152    | ug/l # | 34     |
| 78) n-propylbenzene            | 11.36 | 91   | 48198    | 4.812     | ug/l   | 99     |
| 79) 2-Chlorotoluene            | 11.45 | 91   | 7607     | 1.231     | ug/l # | 48     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 50248    | 6.804     | ug/l   | 97     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 67570    | 61.797    | ug/l # | 11     |
| 82) 4-Chlorotoluene            | 11.77 | 91   | 3036     | 0.435     | ug/l   | 79     |
| 83) tert-Butylbenzene          | 11.77 | 119  | 3945     | 0.549     | ug/l   | 79     |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 300438   | 40.532    | ug/l   | 100    |
| 85) sec-Butylbenzene           | 11.94 | 105  | 33798    | 3.968     | ug/l   | 93     |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 21478    | 2.805     | ug/l   | 98     |
| 89) n-Butylbenzene             | 12.38 | 91   | 42391    | 6.126     | ug/l # | 57     |
| 90) Hexachloroethane           | 12.60 | 117  | 3940     | 3.020     | ug/l # | 7      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 408      | 0.556     | ug/l # | 2      |
| 95) Naphthalene                | 13.83 | 128  | 8833     | 1.004     | ug/l # | 95     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\  
Data File : VX009869.D  
Acq On : 23 May 2019 19:25  
Operator : JC/SP  
Sample : K2976-01DL 250X  
Misc : 6.56g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(14-17)DL

Quant Time: May 24 03:54:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

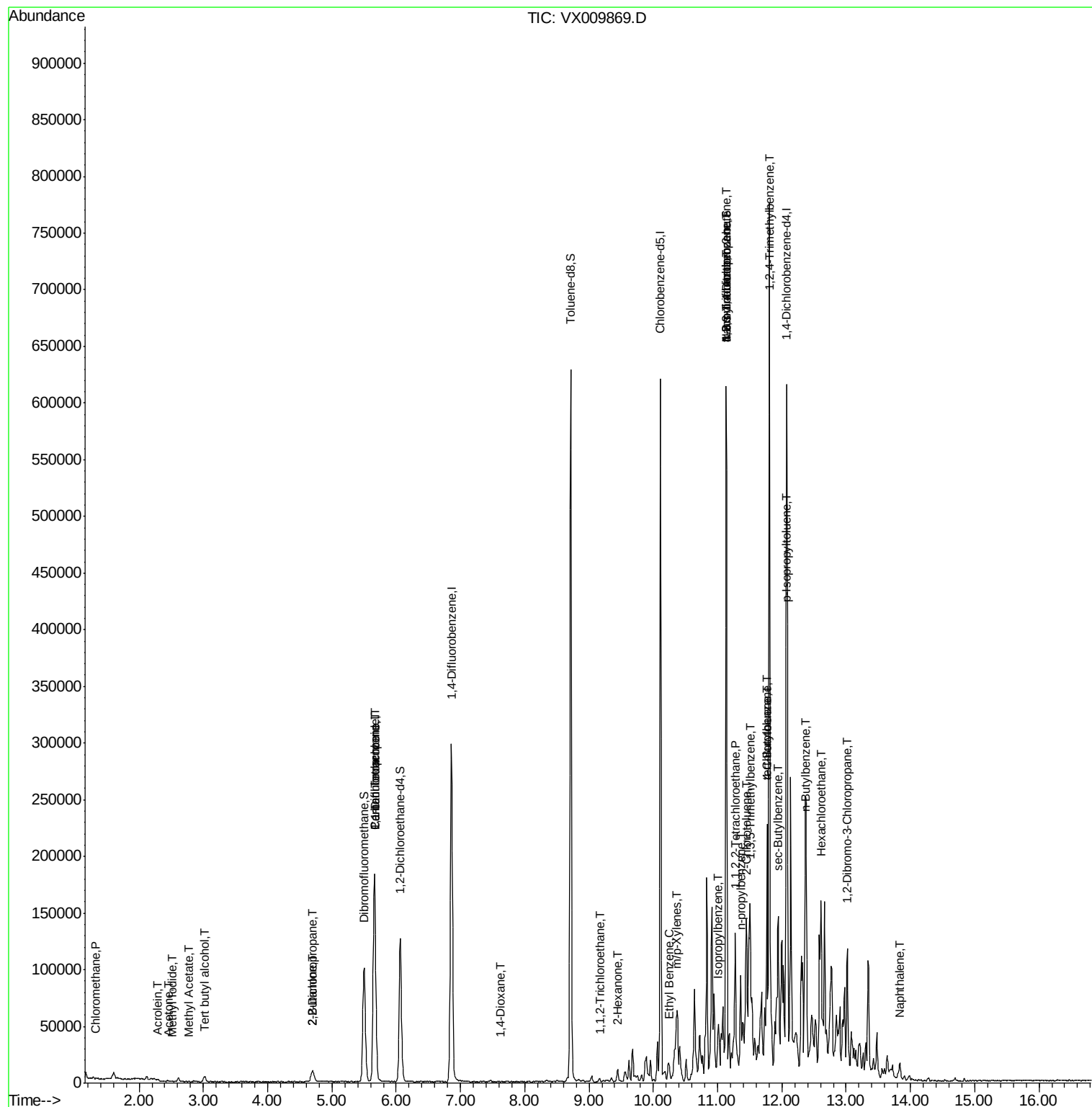
-----

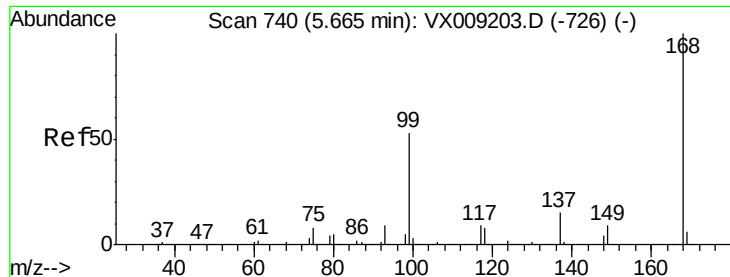
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052319\  
Data File : VX009869.D  
Acq On : 23 May 2019 19:25  
Operator : JC/SP  
Sample : K2976-01DL 250X  
Misc : 6.56g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(14-17)DL

Quant Time: May 24 03:54:24 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

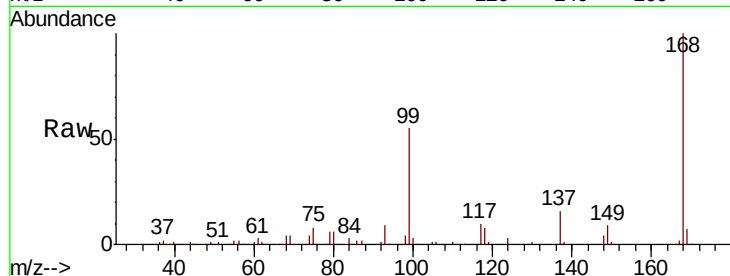
EP1-SB-E2-3R(14-17)DL

Tot Ion:168 Resp: 177348

Ion Ratio Lower Upper

168 100

99 54.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

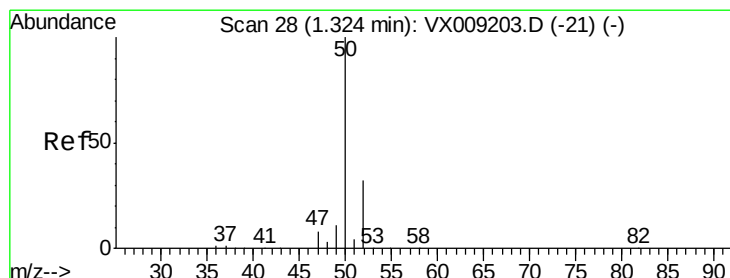
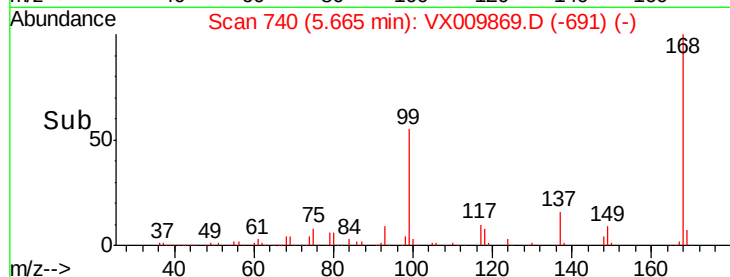
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009869.D

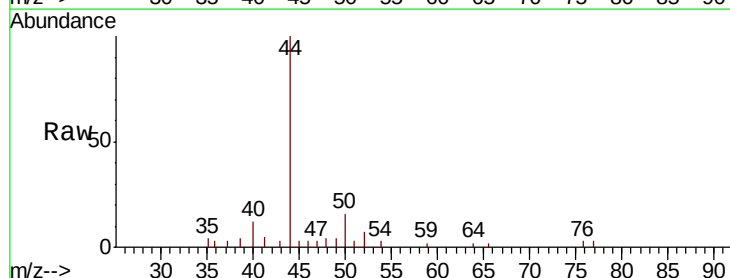
Acq: 23 May 2019 19:25

Tgt Ion: 50 Resp: 474

Ion Ratio Lower Upper

50 100

52 42.6 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

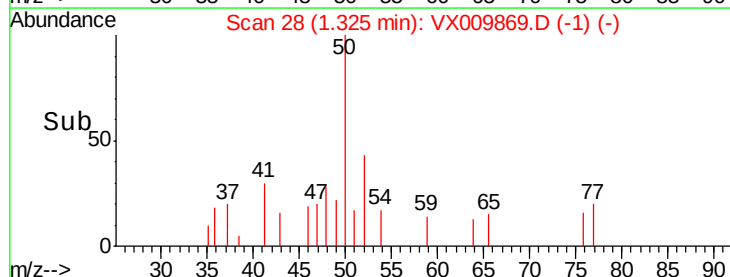
300

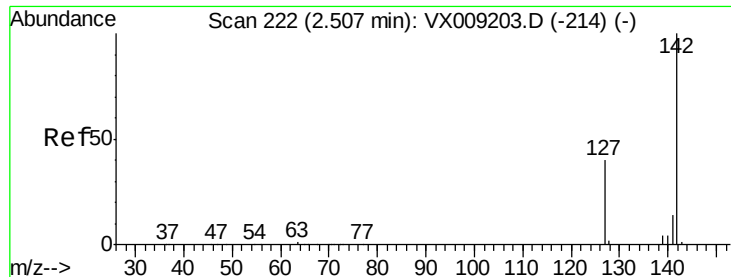
200

100

0

Time--> 1.30 1.32 1.34 1.36

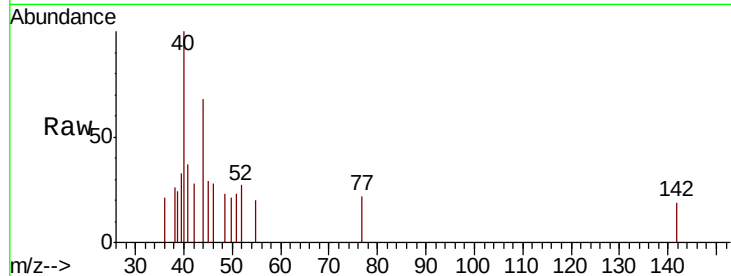




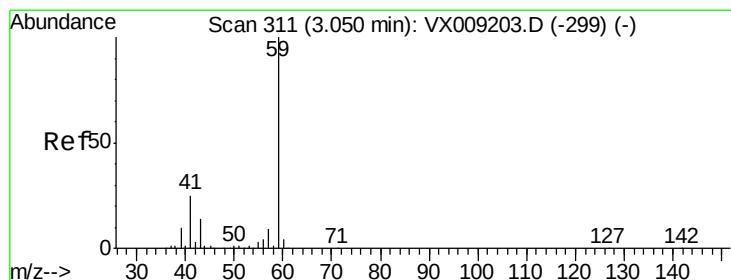
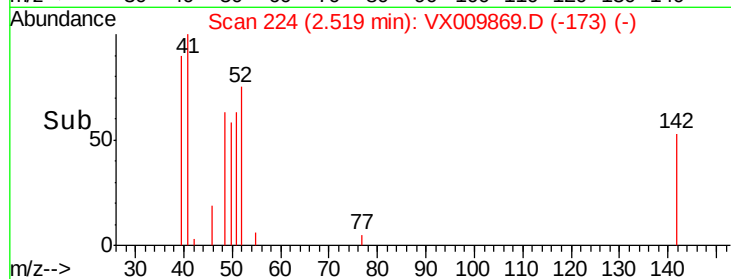
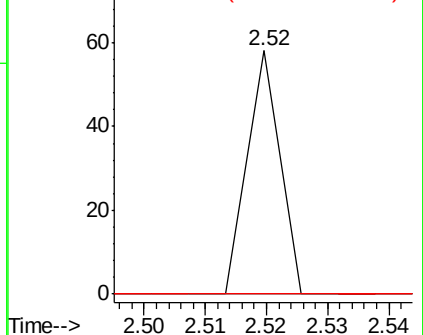
#10  
Methvl Iodide  
Concen: 4.604 ug/l  
RT: 2.52 min Scan# 224  
Delta R.T. 0.01 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(14-17)DL

Tot Ion:142 Resp: 21  
Ion Ratio Lower Upper  
142 100  
127 0.0 32.7 49.1#  
141 0.0 11.5 17.3#

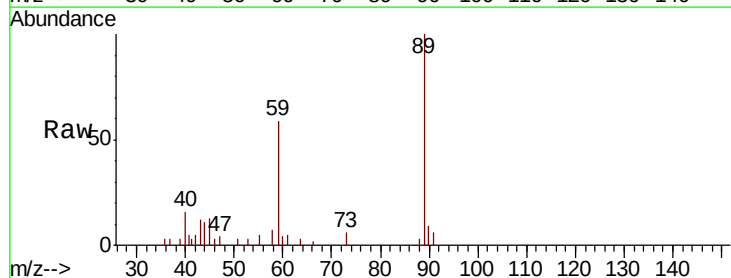


Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V

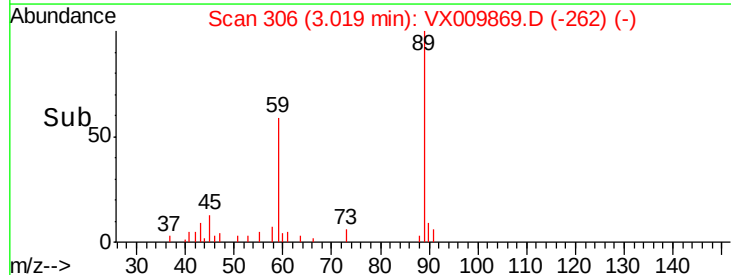
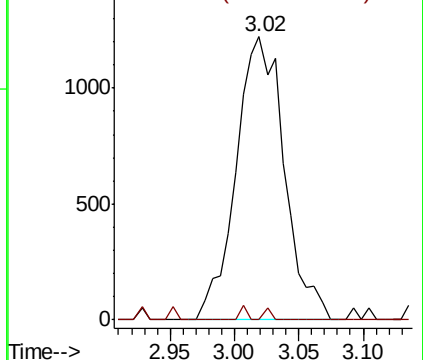


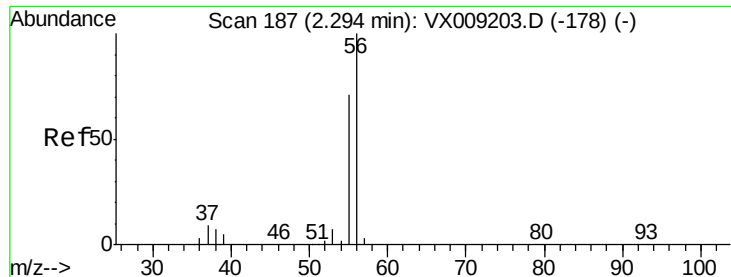
#11  
Tert butyl alcohol  
Concen: 5.666 ug/l  
RT: 3.02 min Scan# 306  
Delta R.T. -0.03 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

Tgt Ion: 59 Resp: 3175  
Ion Ratio Lower Upper  
59 100  
57 0.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0  
Ion 57.00 (56.70 to 57.70): VX0

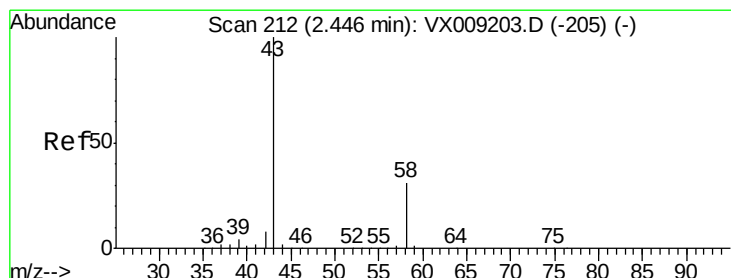
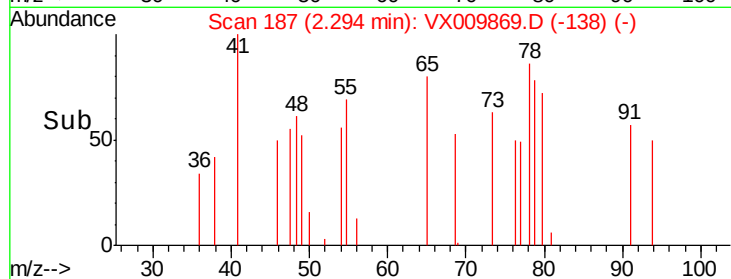
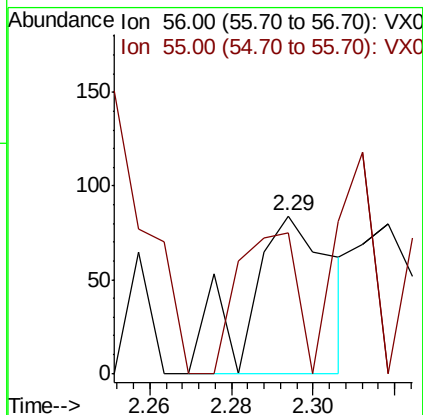
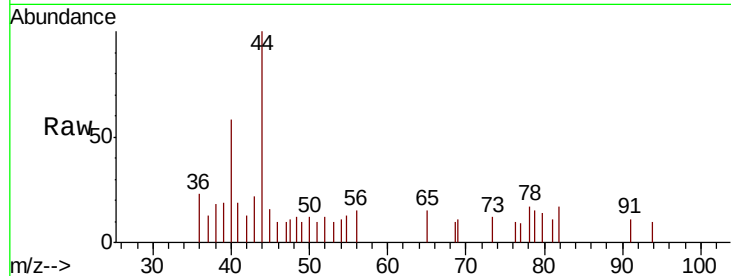




#13  
Acrolein  
Concen: 0.236 ug/l  
RT: 2.29 min Scan# 187  
Delta R.T. 0.00 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

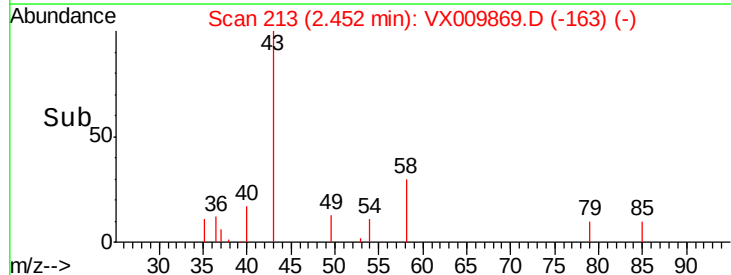
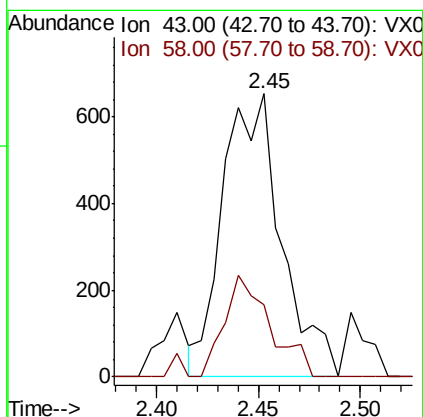
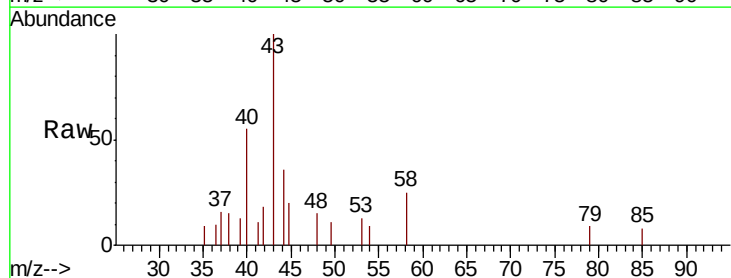
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(14-17)DL

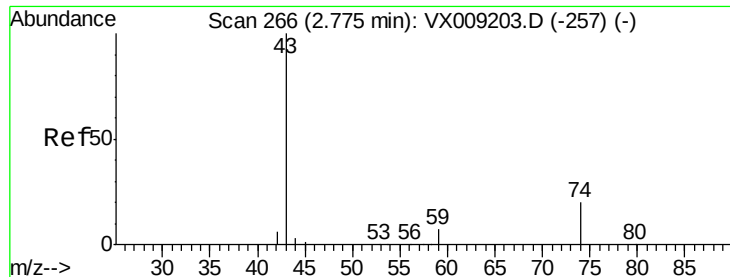
Tot Ion: 56 Resp: 120  
Ion Ratio Lower Upper  
56 100  
55 63.3 56.6 85.0



#16  
Acetone  
Concen: 1.001 ug/l  
RT: 2.45 min Scan# 213  
Delta R.T. 0.01 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

Tgt Ion: 43 Resp: 1301  
Ion Ratio Lower Upper  
43 100  
58 25.3 24.9 37.3

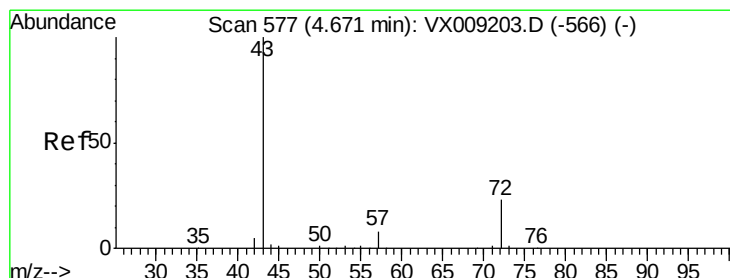
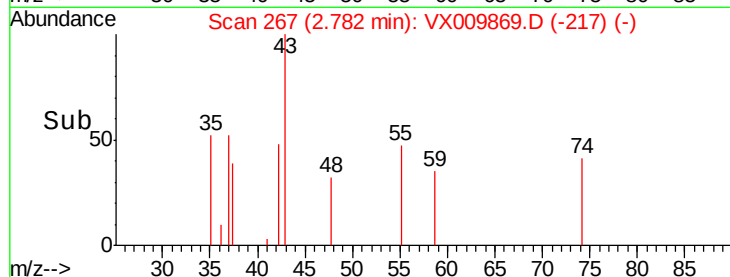
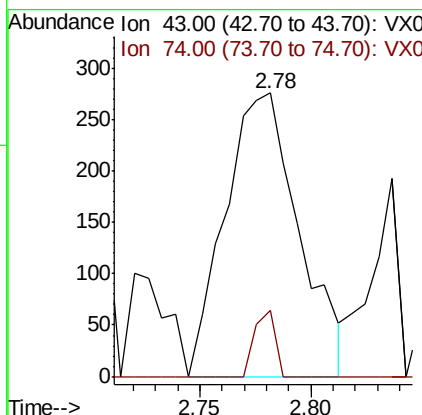
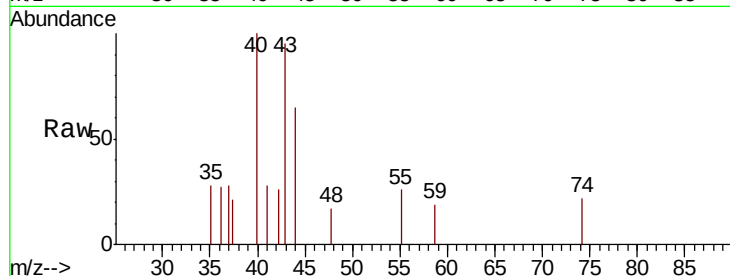




#18  
Methvl Acetate  
Concen: 0.206 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.01 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

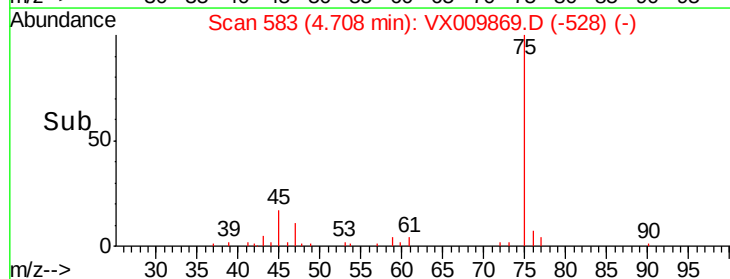
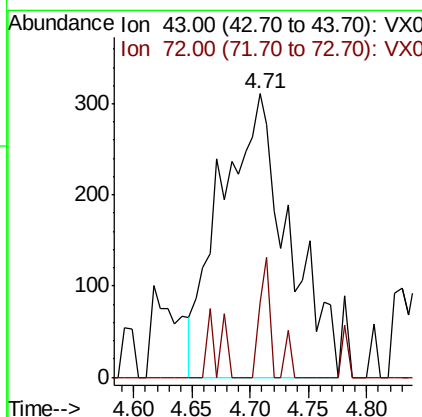
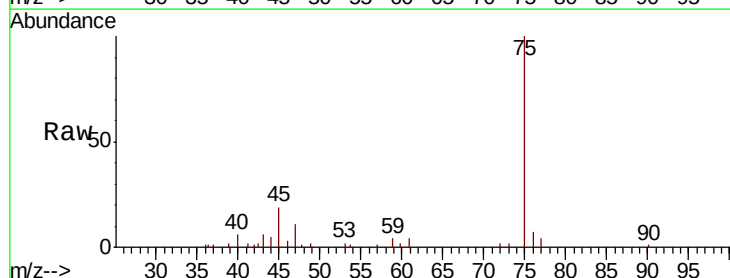
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(14-17)DL

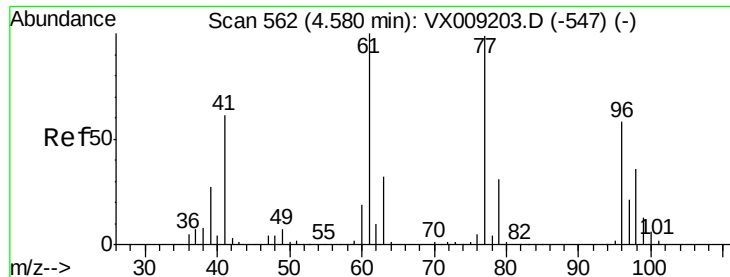
Tot Ion: 43 Resp: 637  
Ion Ratio Lower Upper  
43 100  
74 6.6 16.2 24.4#



#25  
2-Butanone  
Concen: 0.617 ug/l  
RT: 4.71 min Scan# 583  
Delta R.T. 0.04 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

Tgt Ion: 43 Resp: 1246  
Ion Ratio Lower Upper  
43 100  
72 26.7 18.2 27.2





#26

2,2-Dichloropropane

Concen: 0.326 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.11 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

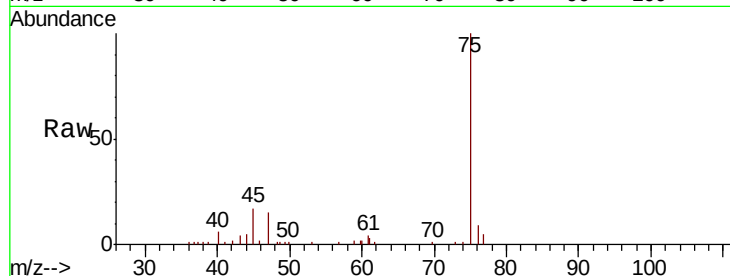
EP1-SB-E2-3R(14-17)DL

Tot Ion: 77 Resp: 934

Ion Ratio Lower Upper

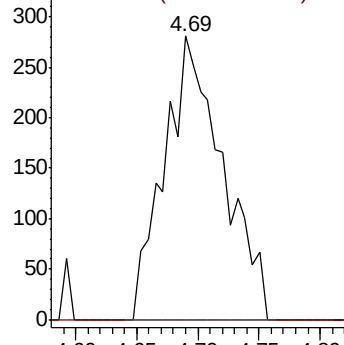
77 100

97 0.0 11.5 34.4#

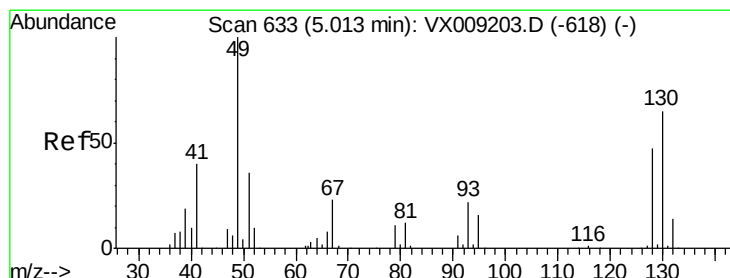
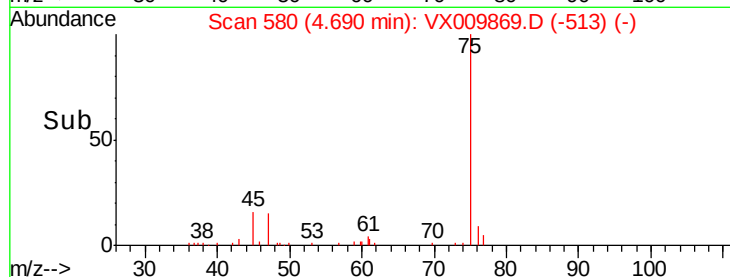


Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.03 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

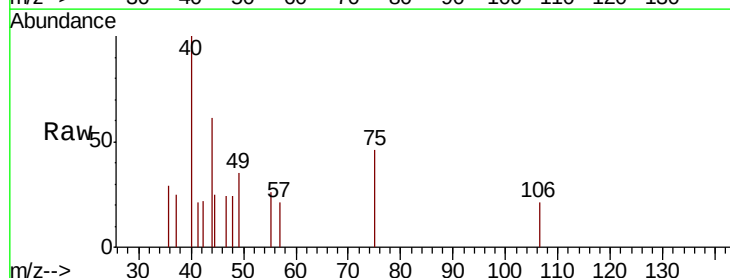
Tgt Ion: 49 Resp: 58

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

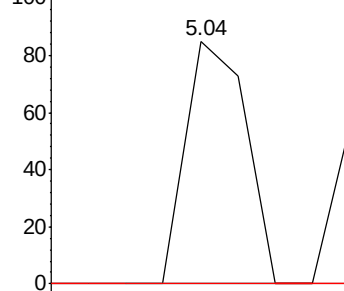
130 0.0 51.2 76.8#



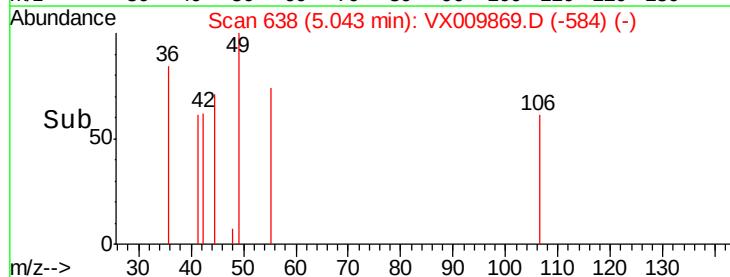
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

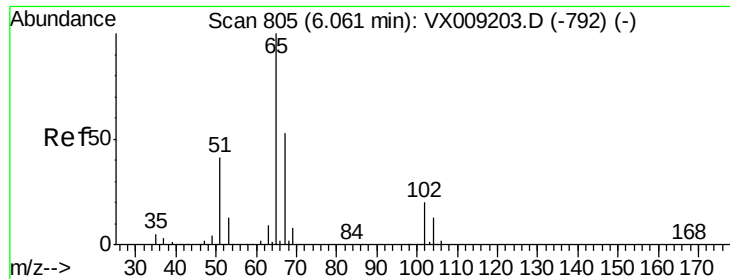
Ion 129.80 (129.50 to 130.50): V



Time-->



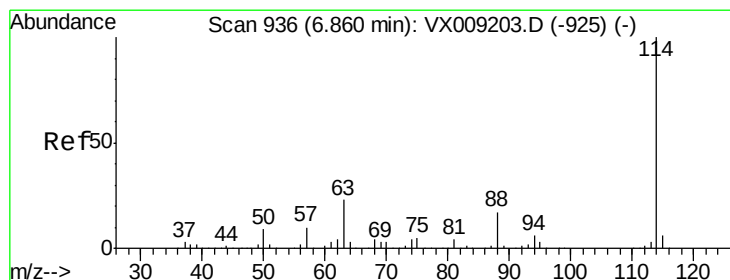
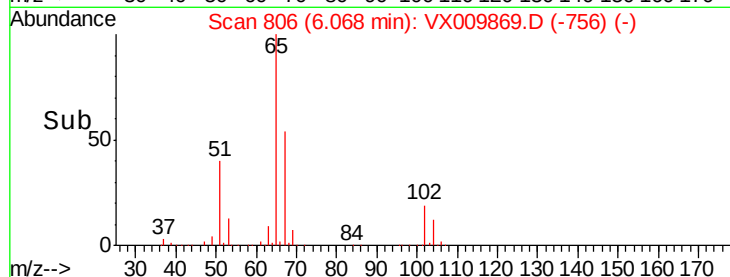
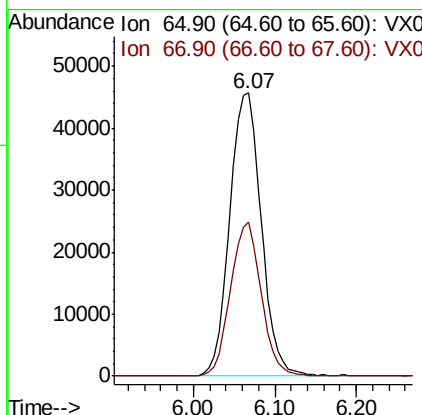
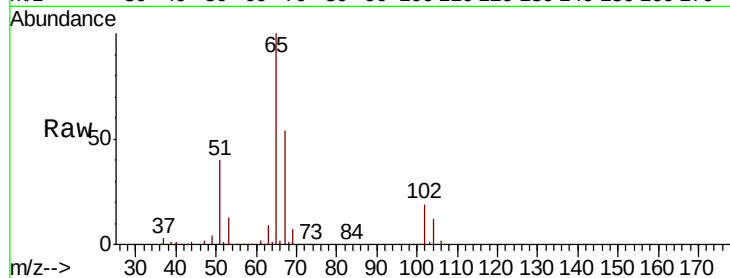




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.388 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.01 min  
 Lab File: VX009869.D  
 Acq: 23 May 2019 19:25

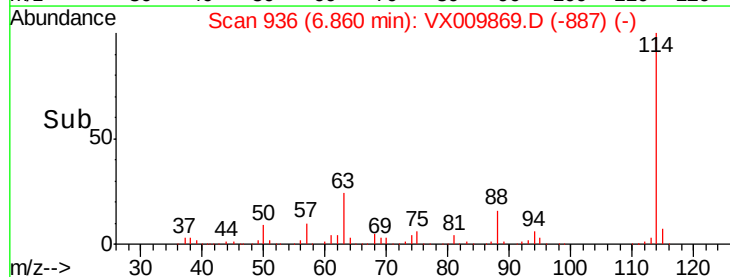
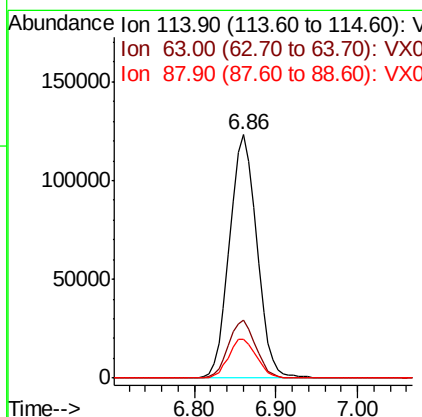
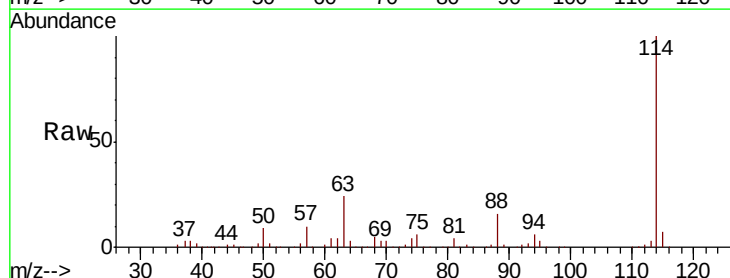
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-SB-E2-3R(14-17)DL

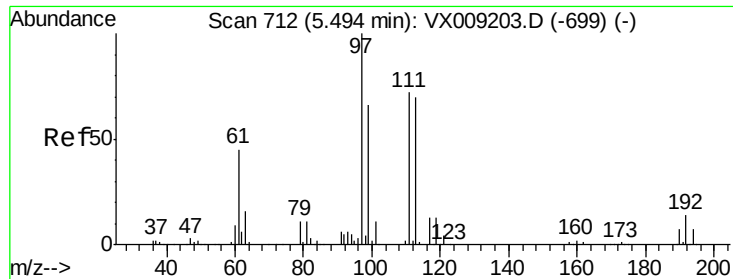
Tot Ion: 65 Resp: 121989  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 106.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009869.D  
 Acq: 23 May 2019 19:25

Tgt Ion: 114 Resp: 285917  
 Ion Ratio Lower Upper  
 114 100  
 63 23.6 0.0 45.6  
 88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.999 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(14-17)DL

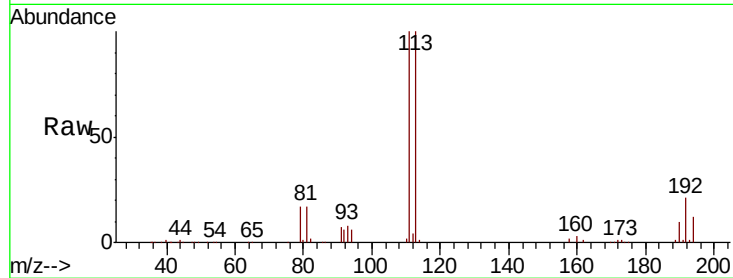
Tot Ion:113 Resp: 86272

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

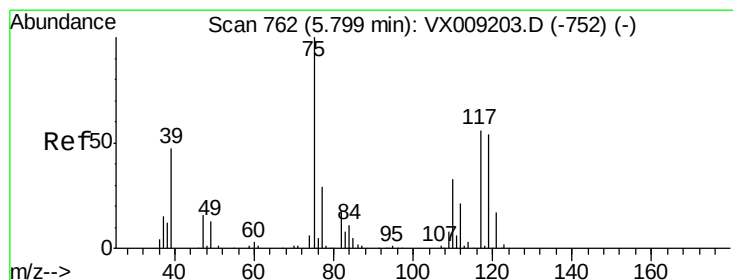
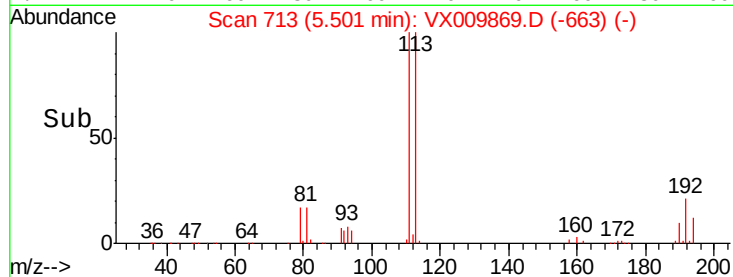
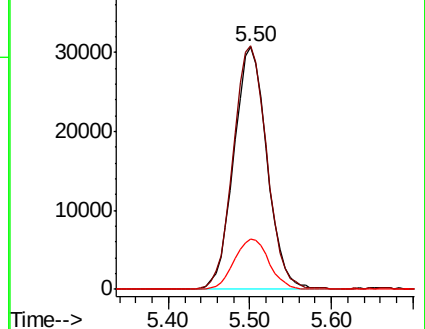
192 21.7 17.0 25.6



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: 5.348 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

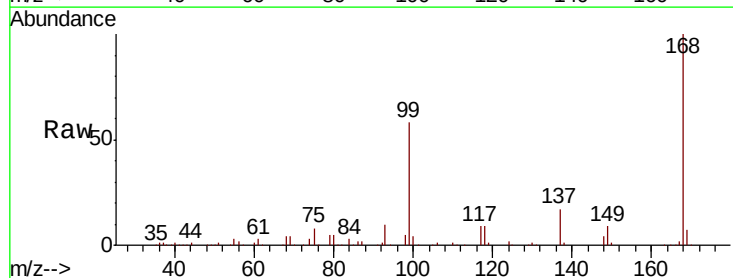
Tgt Ion: 75 Resp: 14211

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.6#

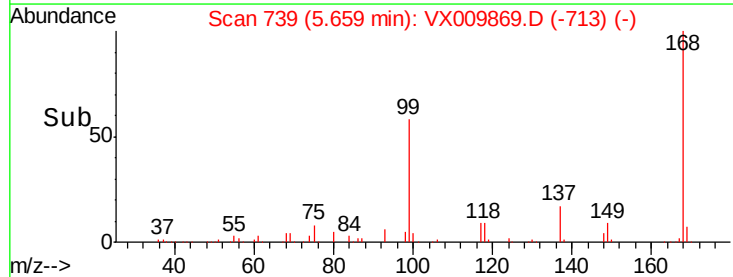
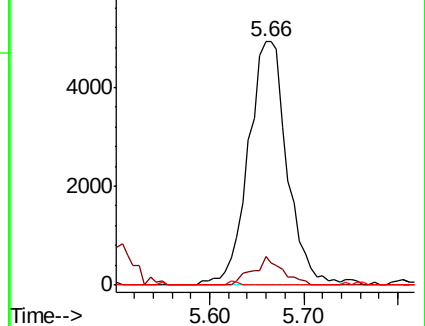
77 0.0 24.8 37.2#

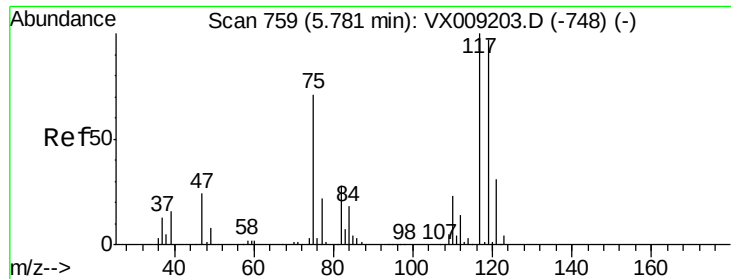


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.096 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(14-17)DL

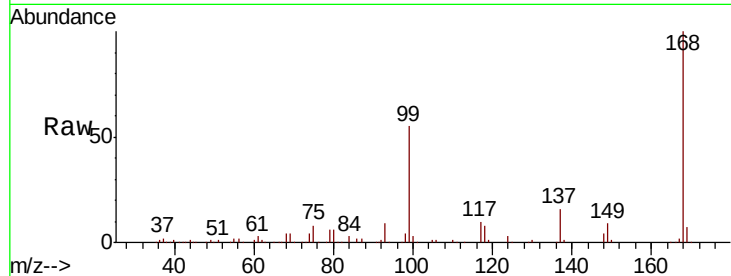
Tot Ion:117 Resp: 17131

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

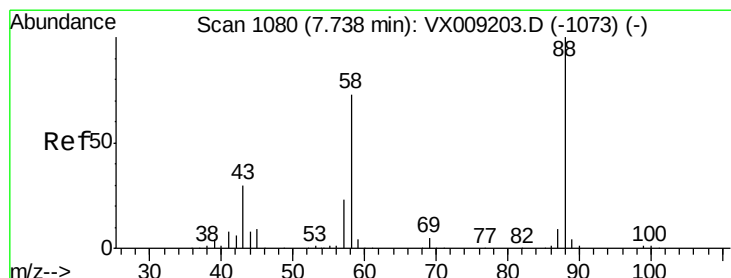
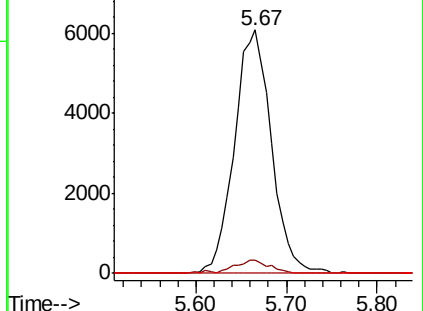
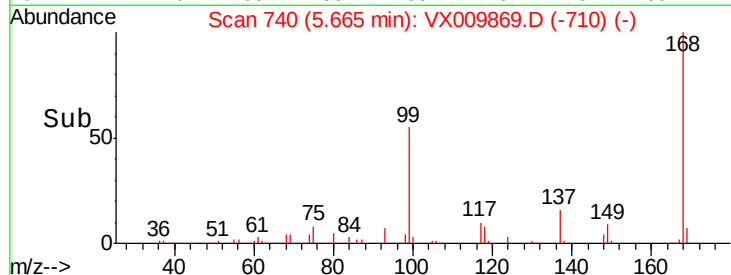
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.319 ug/l

RT: 7.62 min Scan# 1061

Delta R.T. -0.12 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

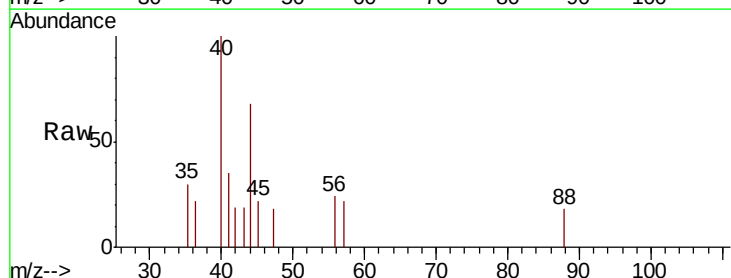
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1021.1 28.6 42.8#

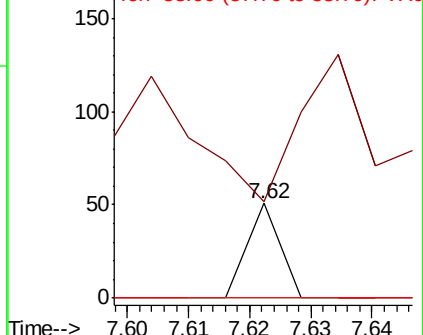
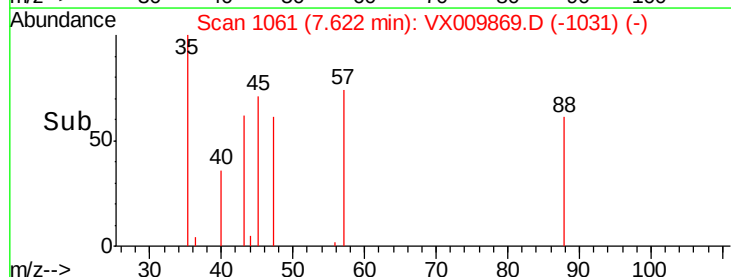
58 0.0 61.7 92.5#

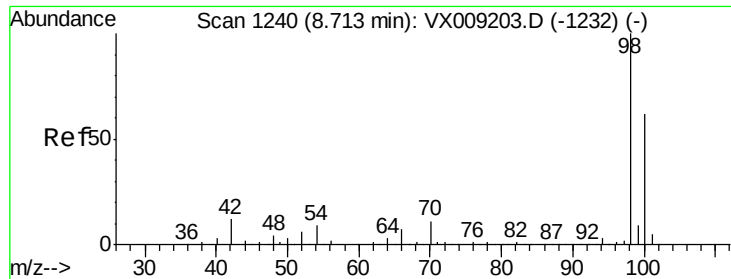


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.922 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

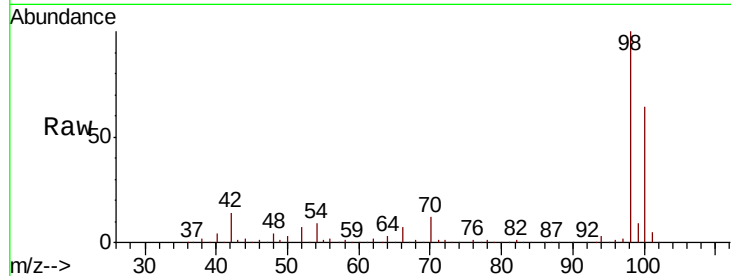
EP1-SB-E2-3R(14-17)DL

Tot Ion: 98 Resp: 362256

Ion Ratio Lower Upper

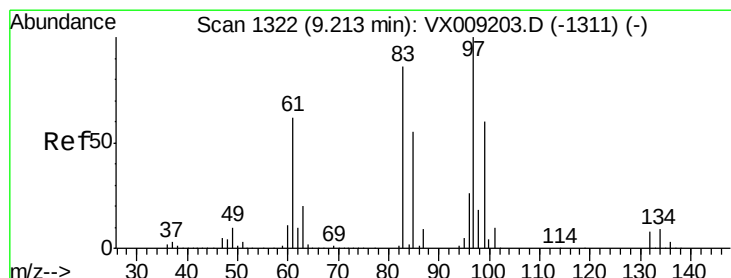
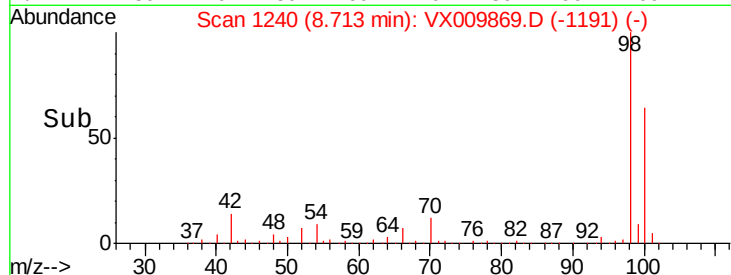
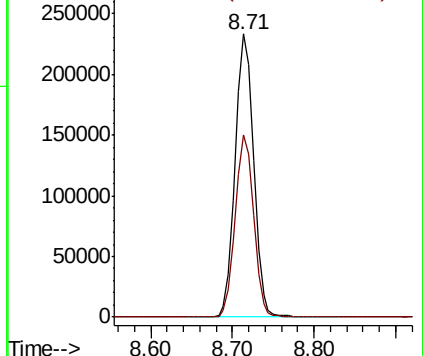
98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.372 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Tgt Ion: 97 Resp: 759

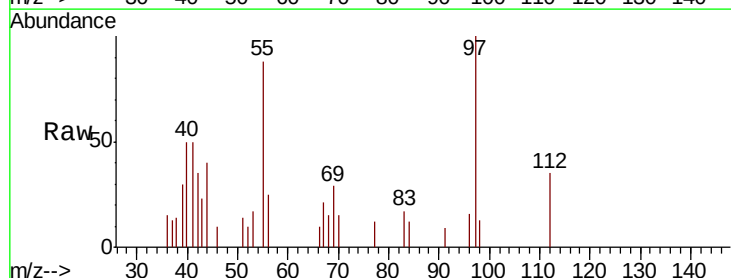
Ion Ratio Lower Upper

97 100

83 16.8 68.9 103.3#

85 0.0 43.8 65.6#

99 0.0 48.2 72.2#

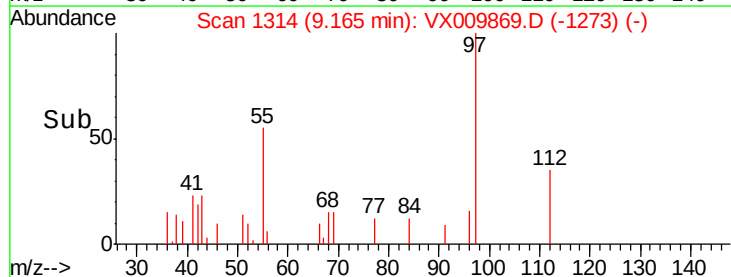
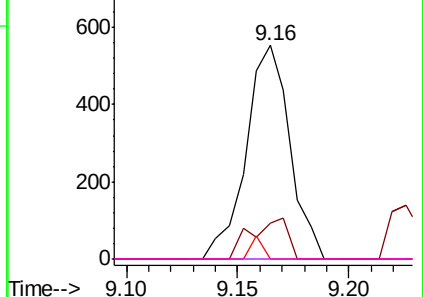


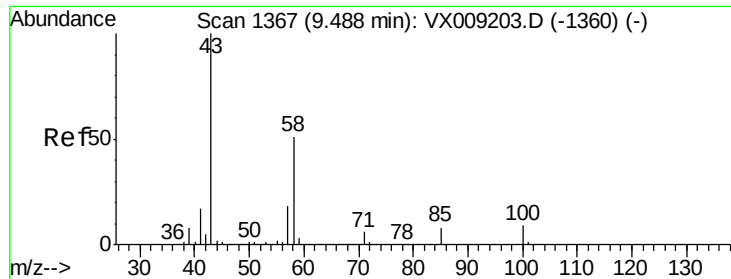
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

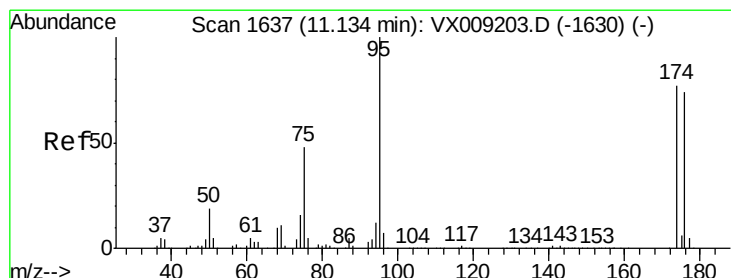
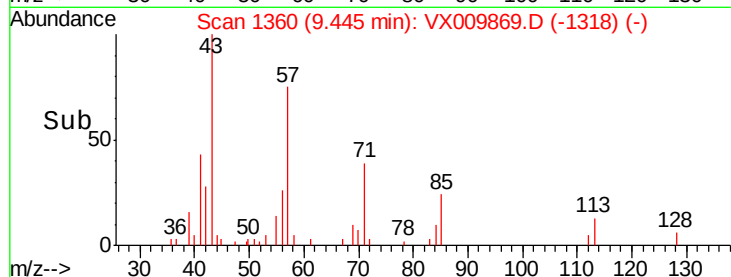
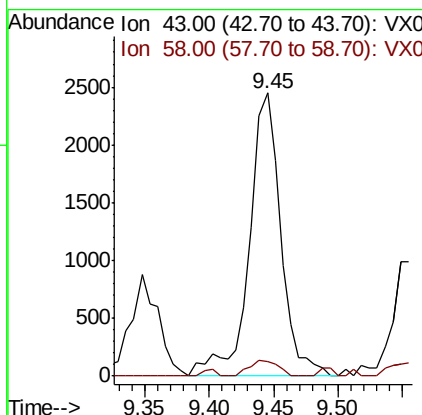
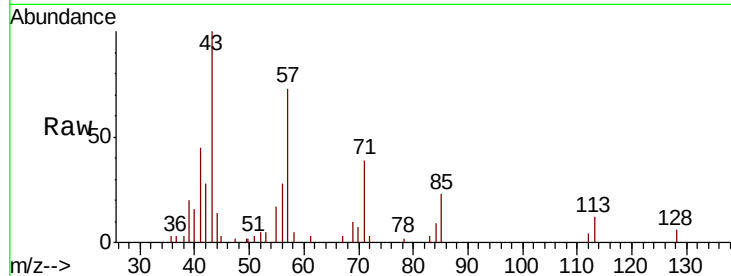




#59  
2-Hexanone  
Concen: 1.360 ug/l  
RT: 9.45 min Scan# 1360  
Delta R.T. -0.04 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

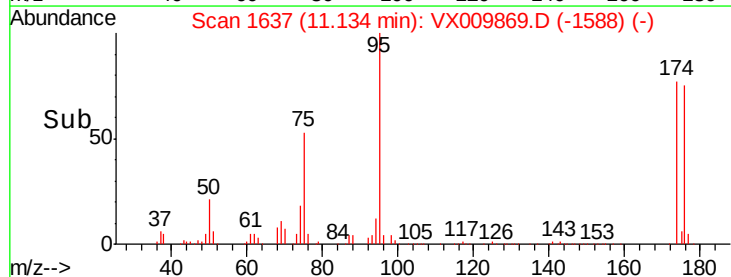
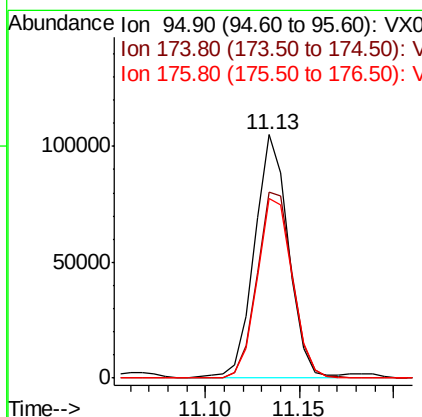
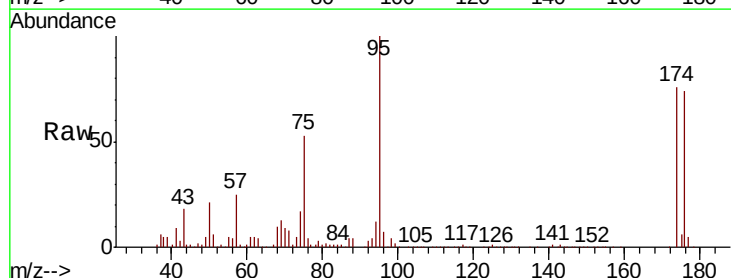
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(14-17)DL

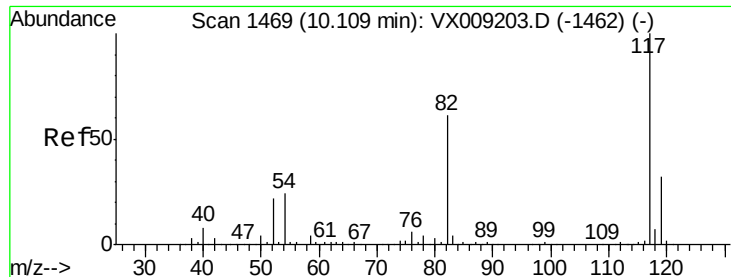
Tot Ion: 43 Resp: 4133  
Ion Ratio Lower Upper  
43 100  
58 4.9 25.9 77.7#



#62  
4-Bromofluorobenzene  
Concen: 49.236 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

Tgt Ion: 95 Resp: 129823  
Ion Ratio Lower Upper  
95 100  
174 80.7 0.0 161.6  
176 77.6 0.0 159.2

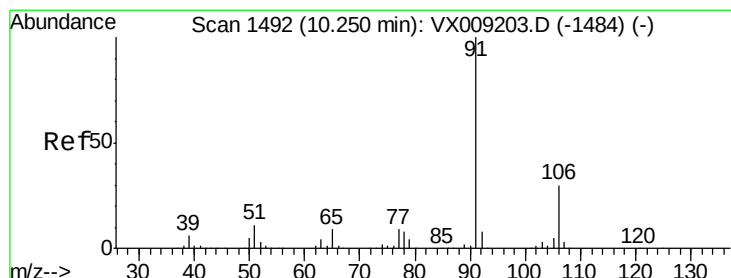
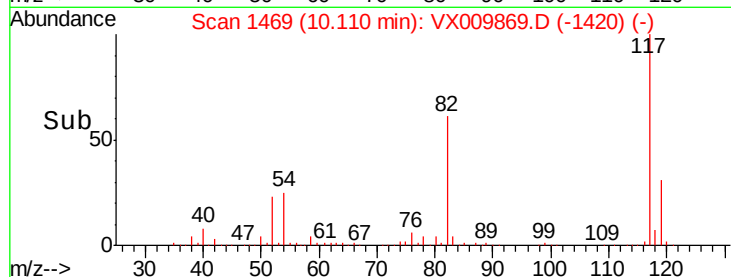
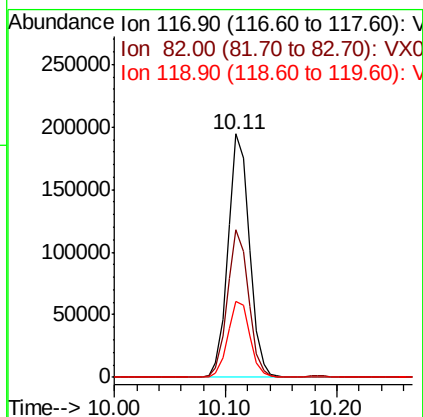
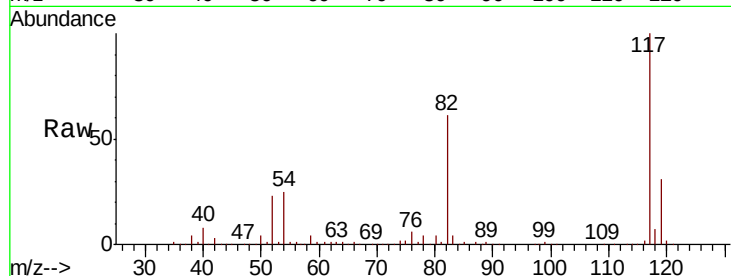




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

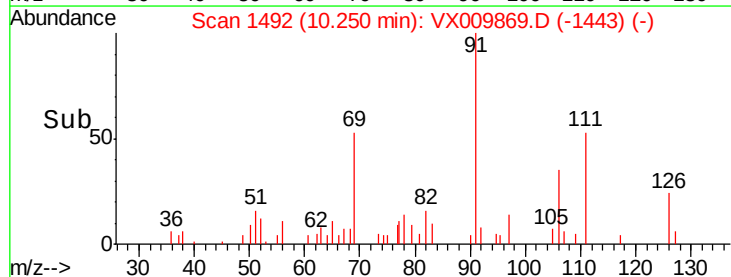
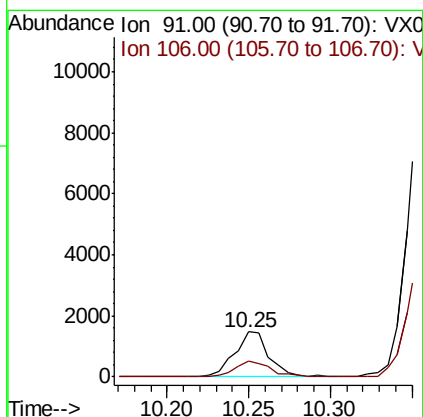
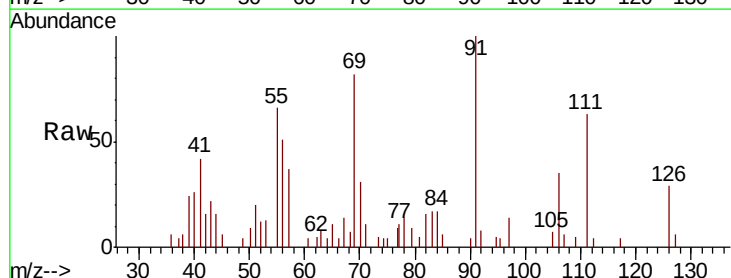
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(14-17)DL

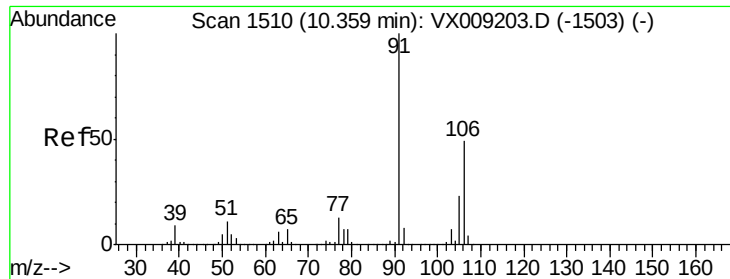
Tot Ion:117 Resp: 258381  
Ion Ratio Lower Upper  
117 100  
82 60.6 48.8 73.2  
119 31.3 25.8 38.6



#67  
Ethyl Benzene  
Concen: 0.229 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

Tgt Ion: 91 Resp: 2182  
Ion Ratio Lower Upper  
91 100  
106 35.2 24.0 36.0

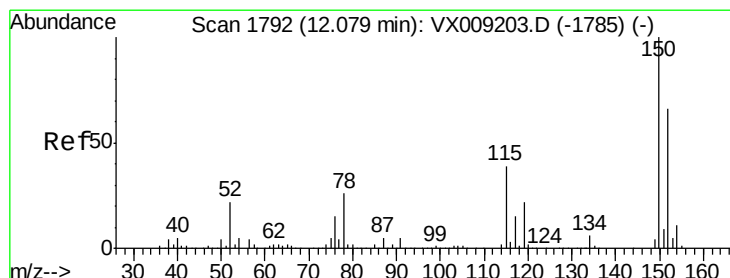
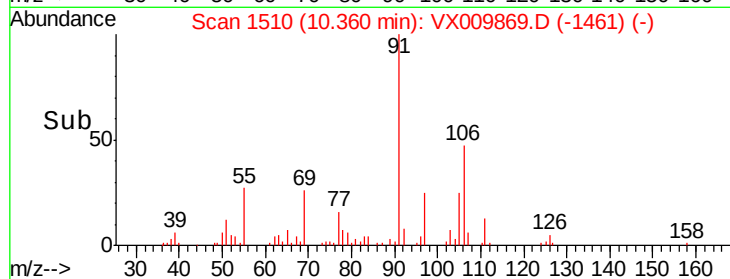
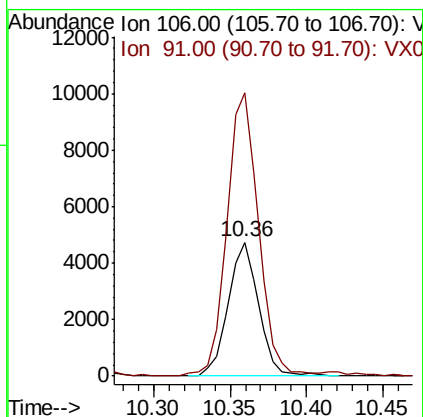
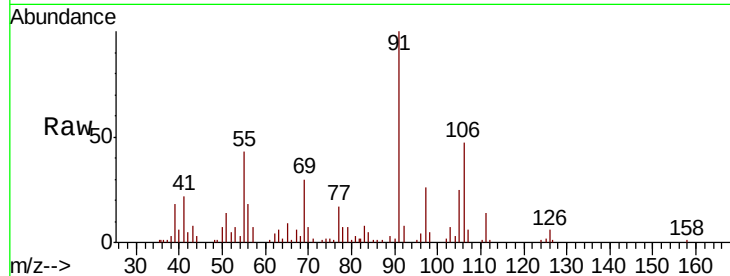




#68  
m/p-Xylenes  
Concen: 1.880 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

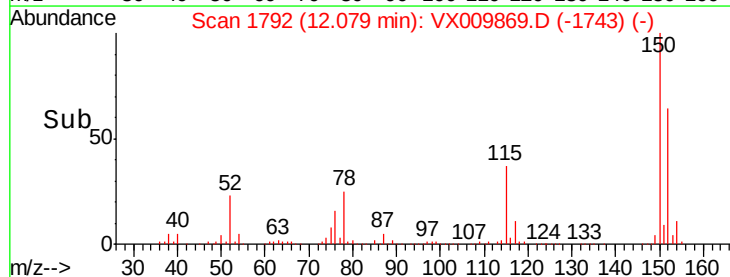
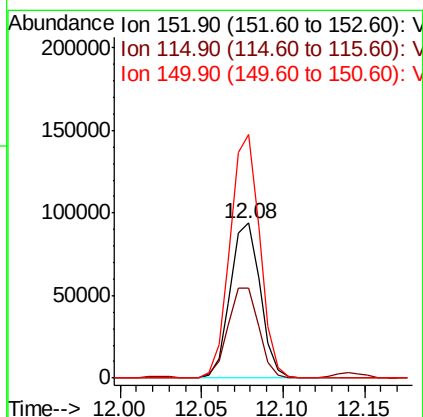
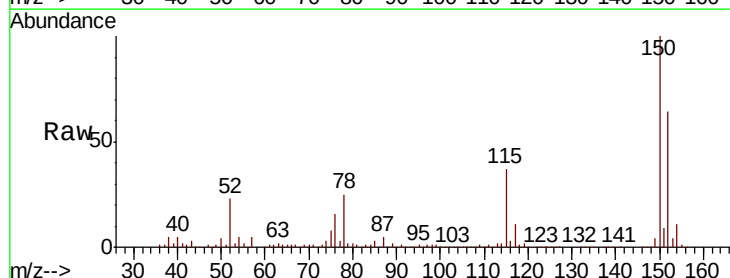
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(14-17)DL

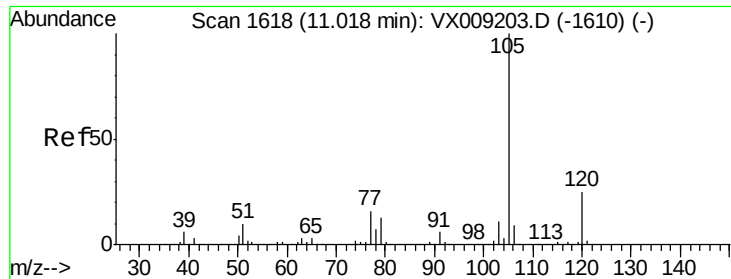
Tot Ion:106 Resp: 6536  
Ion Ratio Lower Upper  
106 100  
91 218.3 164.0 246.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX009869.D  
Acq: 23 May 2019 19:25

Tgt Ion:152 Resp: 120607  
Ion Ratio Lower Upper  
152 100  
115 60.2 41.2 123.6  
150 155.3 0.0 346.4





#73

Isopropylbenzene

Concen: 1.965 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

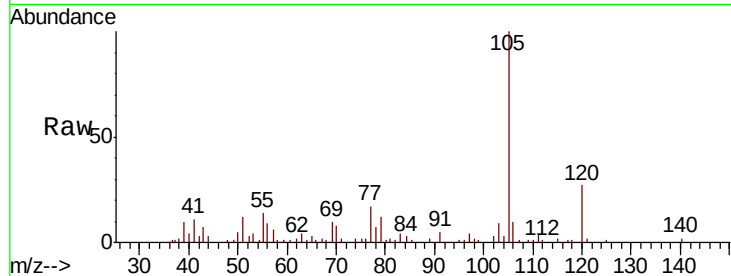
EP1-SB-E2-3R(14-17)DL

Tot Ion:105 Resp: 17232

Ion Ratio Lower Upper

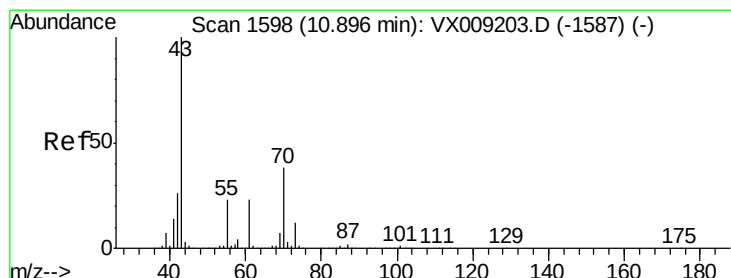
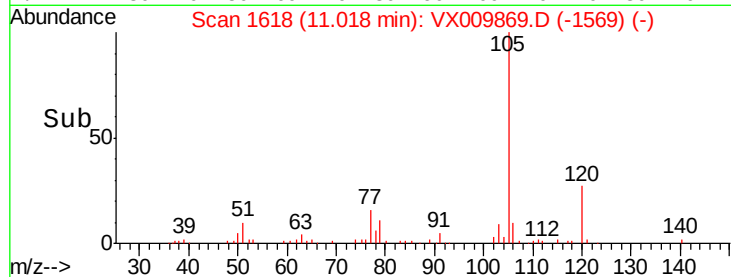
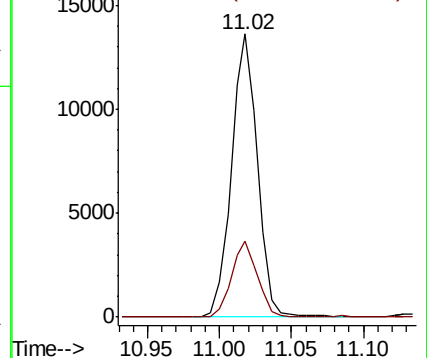
105 100

120 26.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.197 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.24 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Tgt Ion: 43 Resp: 26576

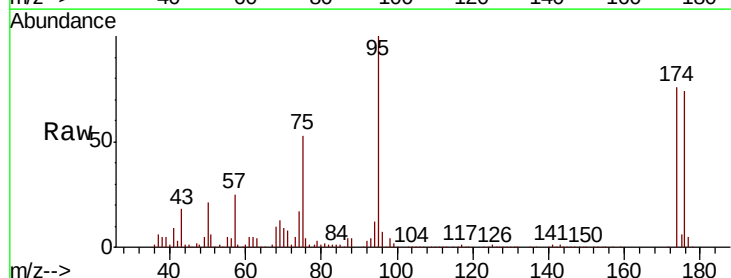
Ion Ratio Lower Upper

43 100

70 44.3 30.0 45.0

55 26.5 17.9 26.9

61 25.2 18.4 27.6

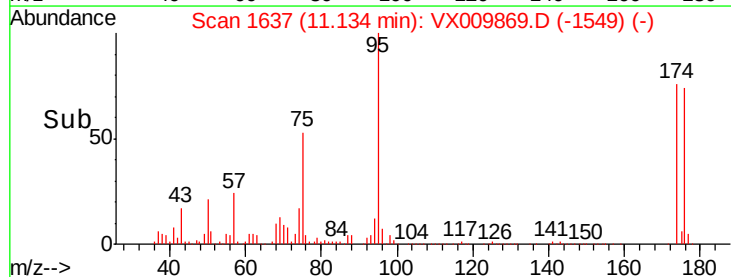
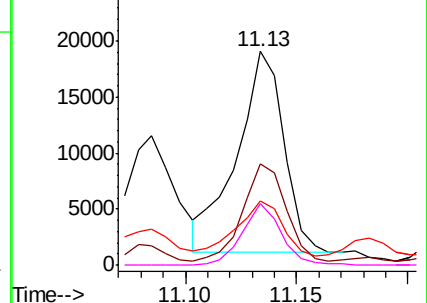


Abundance Ion 43.00 (42.70 to 43.70): VX0

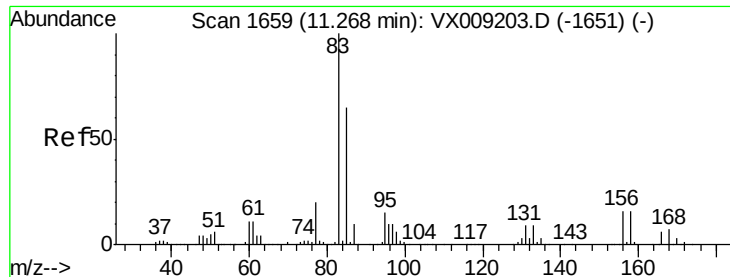
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0







#75

1,1,2,2-Tetrachloroethane

Concen: 2.224 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(14-17)DL

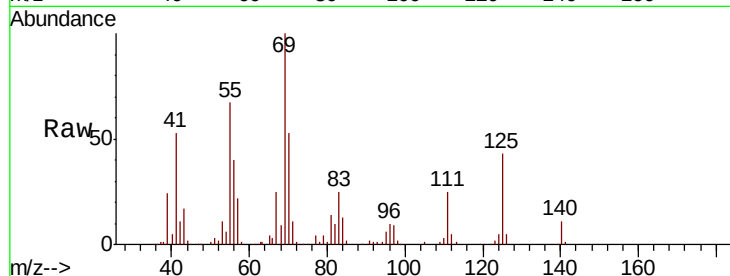
Tot Ion: 83 Resp: 7270

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

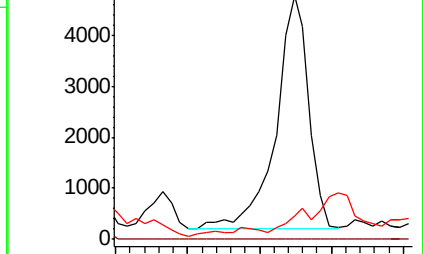
85 0.0 32.0 96.2#



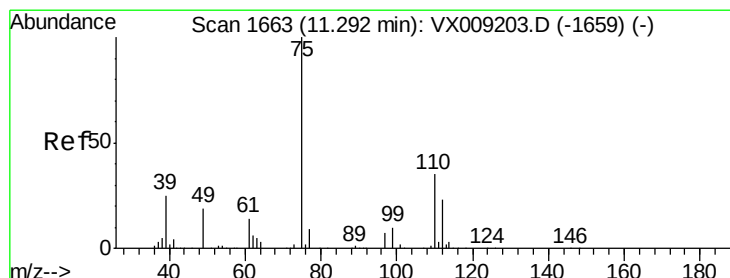
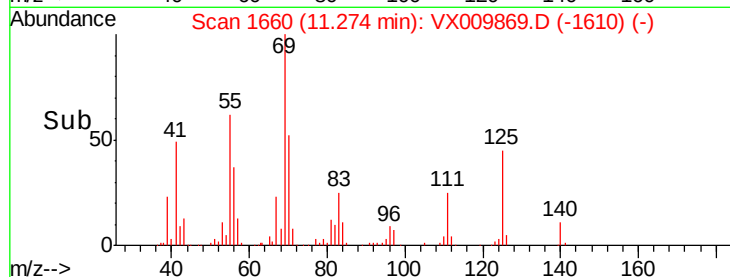
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



Time--> 11.15 11.20 11.25 11.30



#76

1,2,3-Trichloropropane

Concen: 24.152 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009869.D

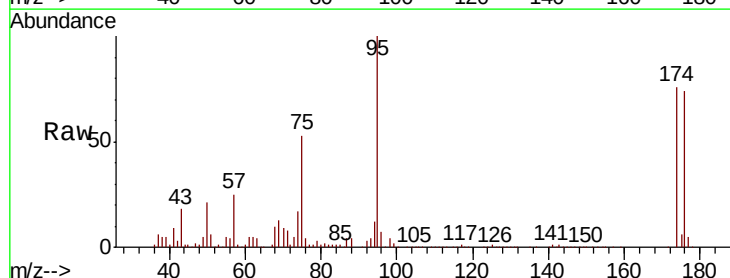
Acq: 23 May 2019 19:25

Tgt Ion: 75 Resp: 67570

Ion Ratio Lower Upper

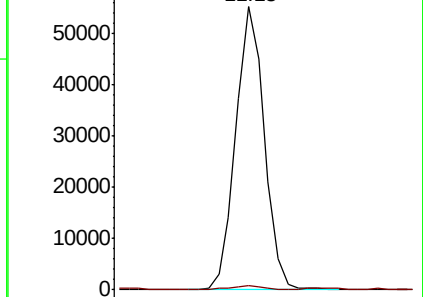
75 100

77 1.5 22.1 66.1#

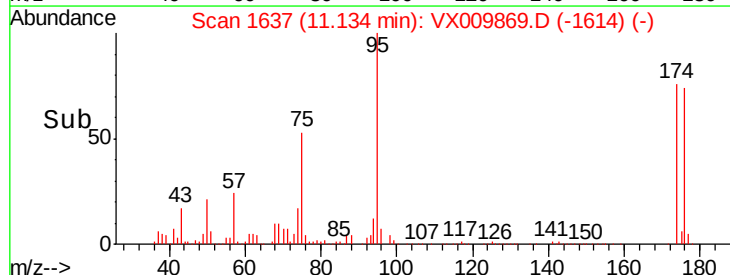


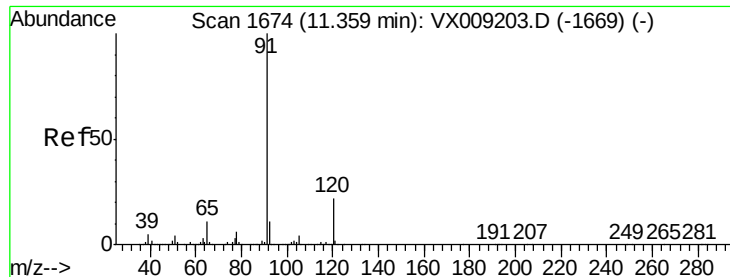
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.10 11.15 11.20





#78

n-propylbenzene

Concen: 4.812 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

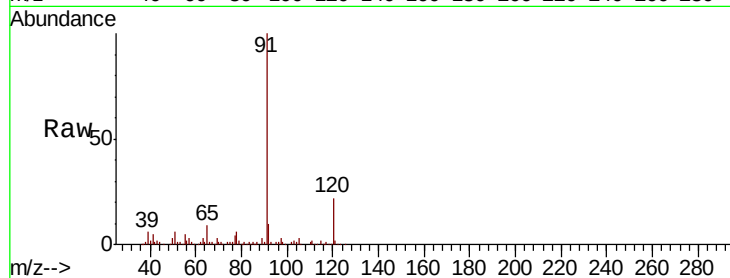
EP1-SB-E2-3R(14-17)DL

Tot Ion: 91 Resp: 48198

Ion Ratio Lower Upper

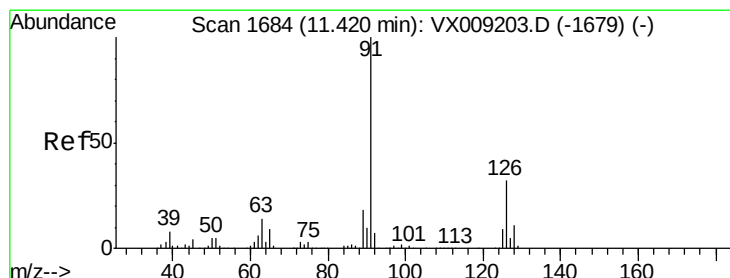
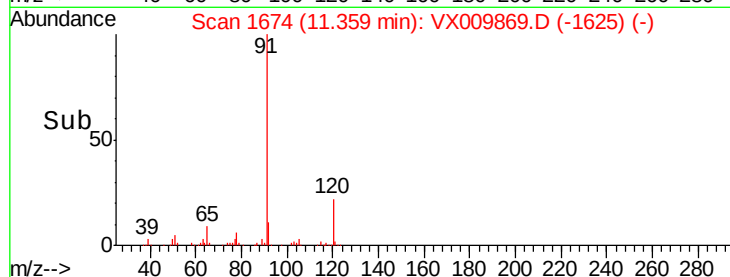
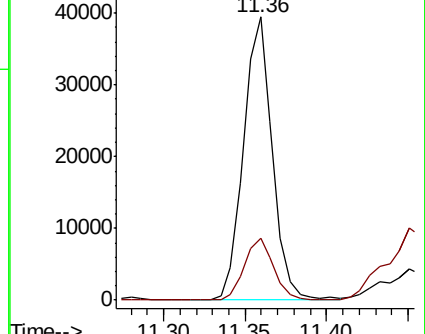
91 100

120 22.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.231 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VX009869.D

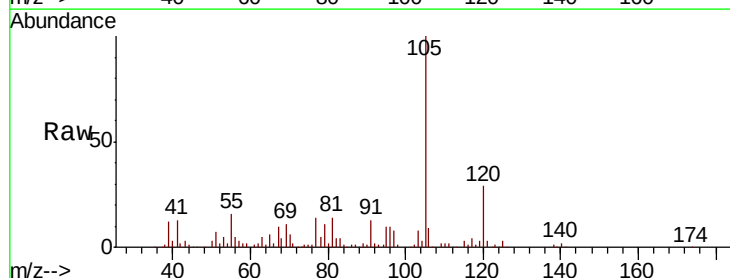
Acq: 23 May 2019 19:25

Tgt Ion: 91 Resp: 7607

Ion Ratio Lower Upper

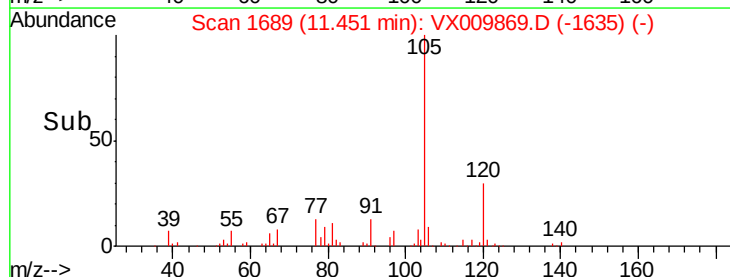
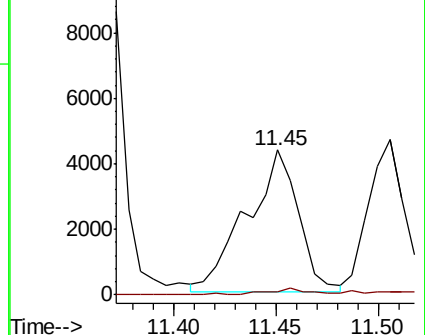
91 100

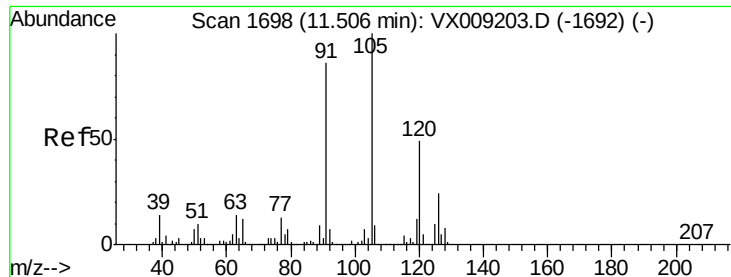
126 3.2 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

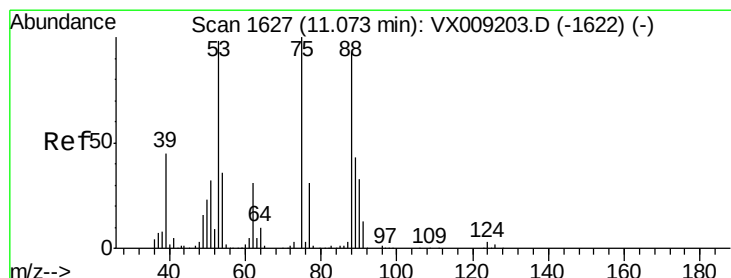
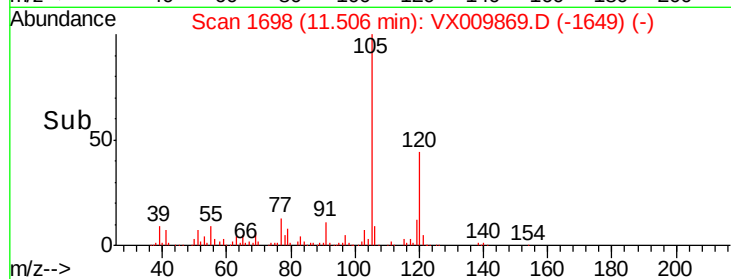
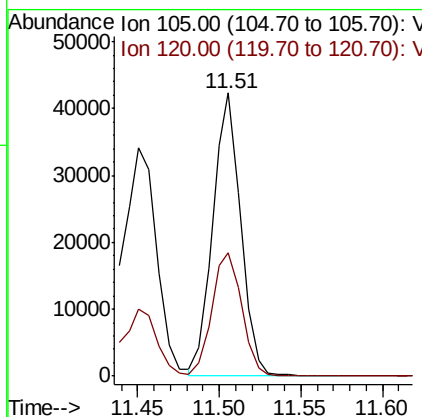
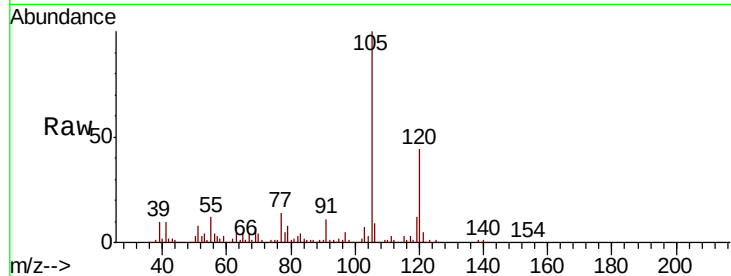




#80  
 1,3,5-Trimethylbenzene  
 Concen: 6.804 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX009869.D  
 Acq: 23 May 2019 19:25

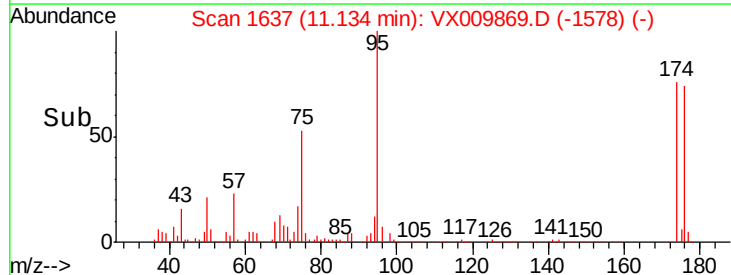
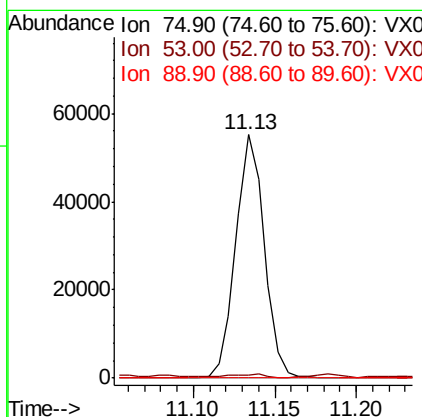
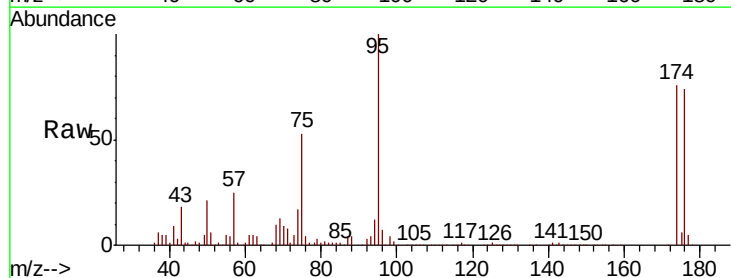
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-SB-E2-3R(14-17)DL

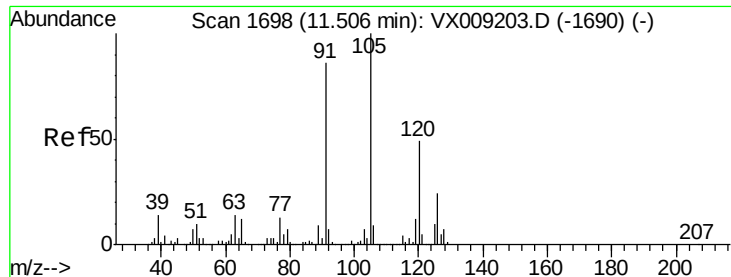
Tot Ion:105 Resp: 50248  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 24.3 72.9



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 61.797 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.06 min  
 Lab File: VX009869.D  
 Acq: 23 May 2019 19:25

Tgt Ion: 75 Resp: 67570  
 Ion Ratio Lower Upper  
 75 100  
 53 1.4 79.0 118.6#  
 89 0.0 34.7 52.1#





#82

4-Chlorotoluene

Concen: 0.435 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.26 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

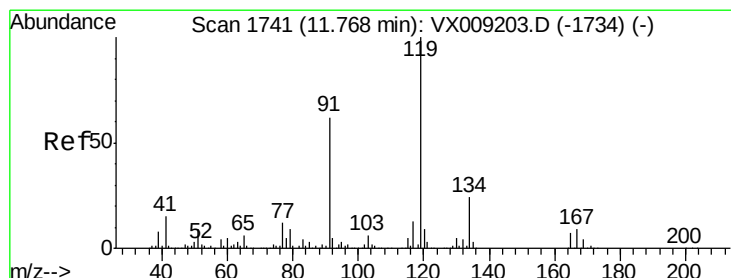
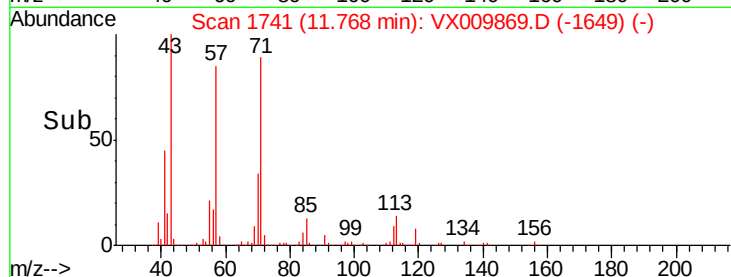
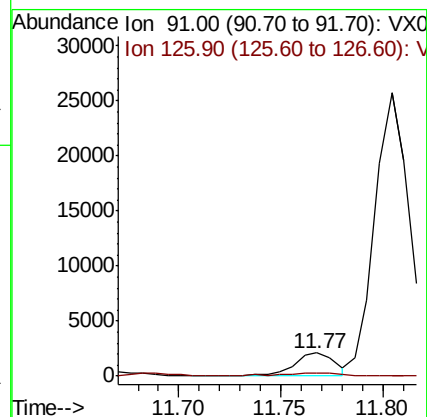
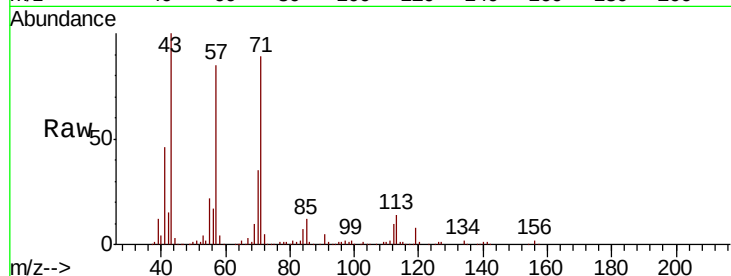
EP1-SB-E2-3R(14-17)DL

Tot Ion: 91 Resp: 3036

Ion Ratio Lower Upper

91 100

126 18.0 14.5 43.6



#83

tert-Butylbenzene

Concen: 0.549 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

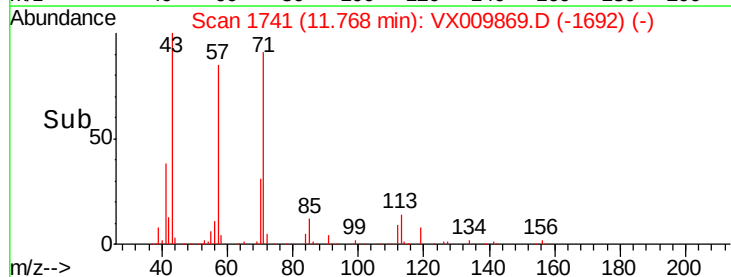
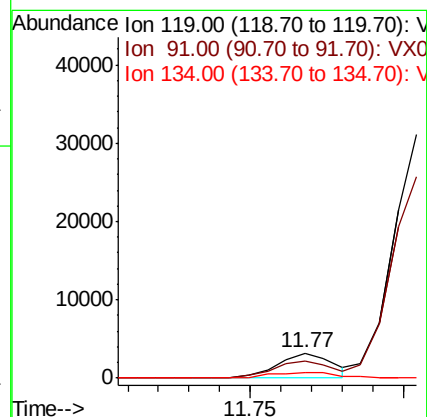
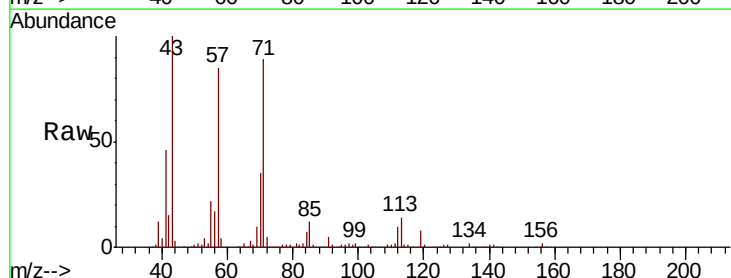
Tgt Ion: 119 Resp: 3945

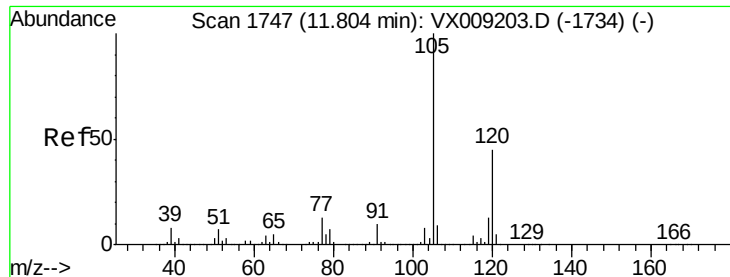
Ion Ratio Lower Upper

119 100

91 77.0 29.5 88.5

134 28.9 11.4 34.1

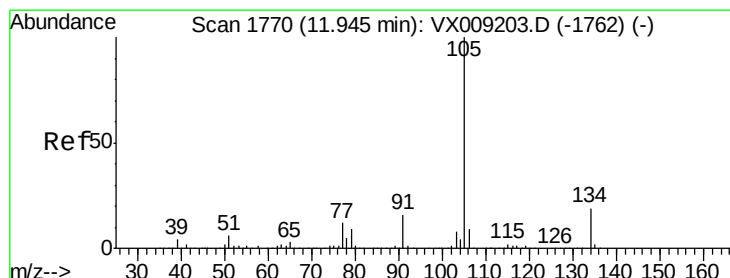
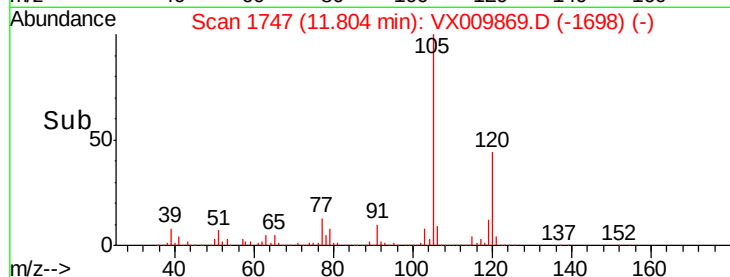
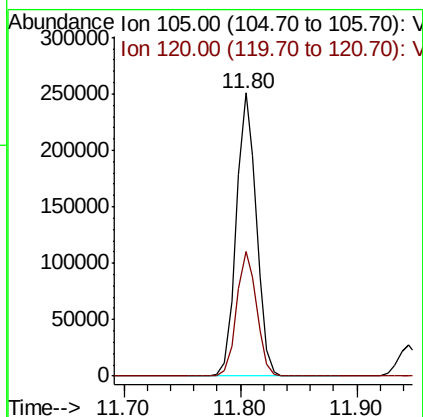
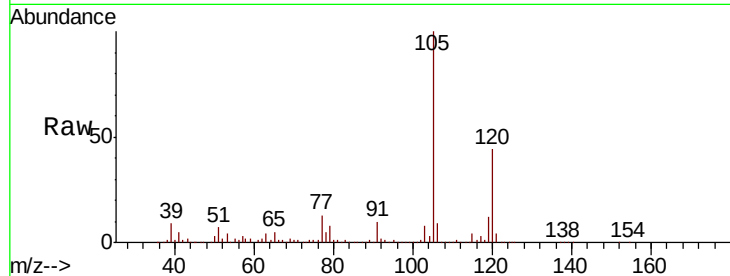




#84  
 1,2,4-Trimethylbenzene  
 Concen: 40.532 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX009869.D  
 Acq: 23 May 2019 19:25

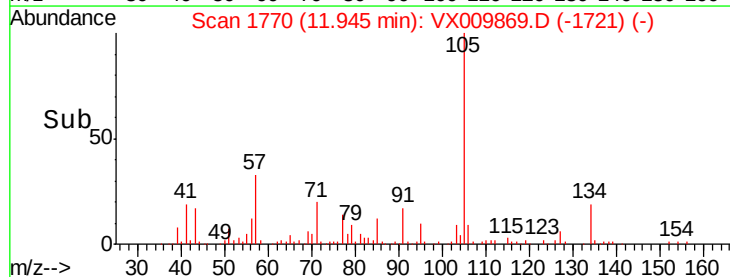
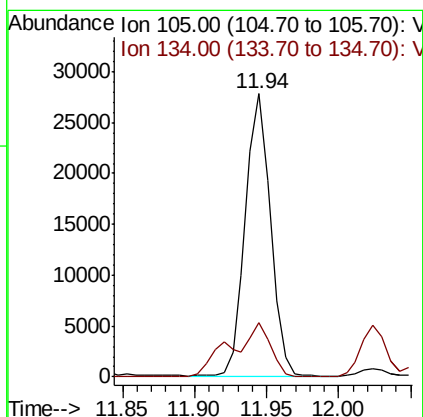
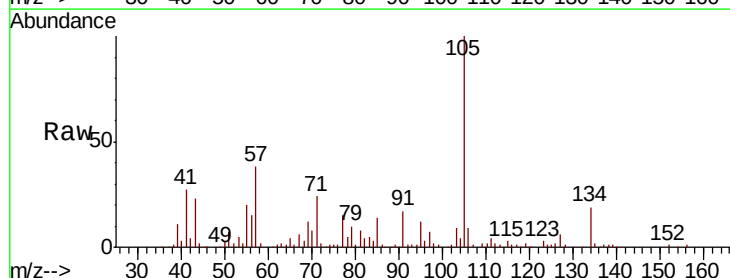
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 EP1-SB-E2-3R(14-17)DL

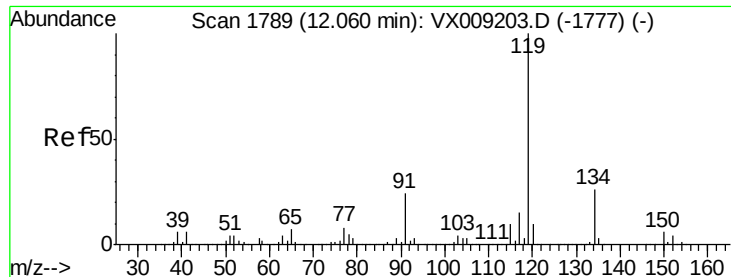
Tot Ion:105 Resp: 300438  
 Ion Ratio Lower Upper  
 105 100  
 120 44.0 22.0 66.0



#85  
 sec-Butylbenzene  
 Concen: 3.968 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. 0.00 min  
 Lab File: VX009869.D  
 Acq: 23 May 2019 19:25

Tgt Ion:105 Resp: 33798  
 Ion Ratio Lower Upper  
 105 100  
 134 16.1 9.7 28.9

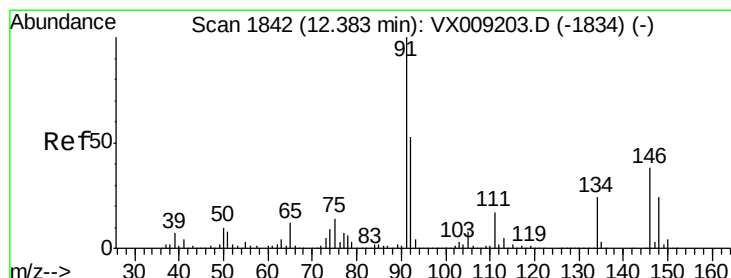
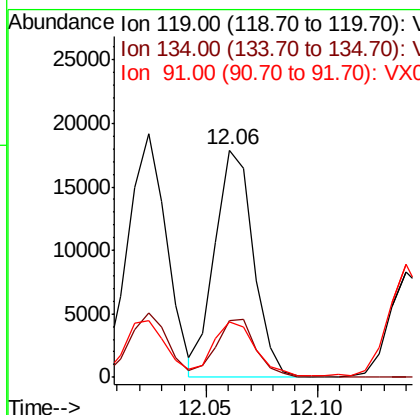
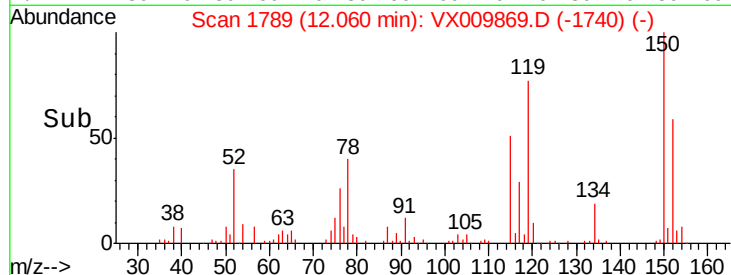
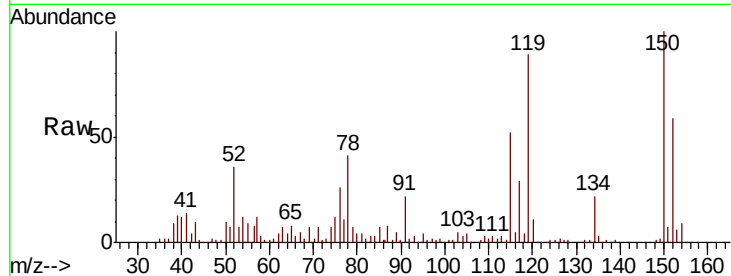




#86  
 p-Isopropyltoluene  
 Concen: 2.805 ug/l  
 RT: 12.06 min Scan# 1789  
 Delta R.T. 0.00 min  
 Lab File: VX009869.D  
 Acq: 23 May 2019 19:25

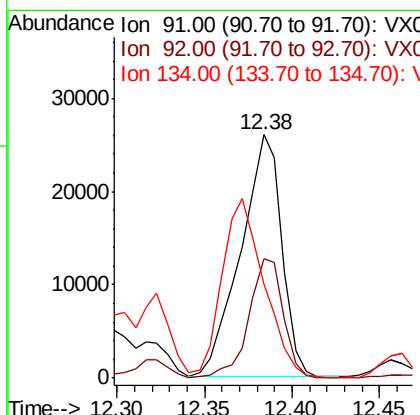
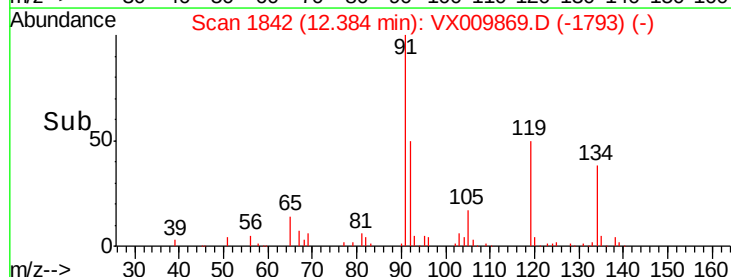
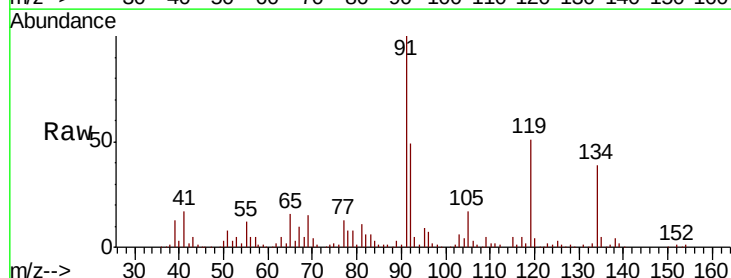
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 EP1-SB-E2-3R(14-17)DL

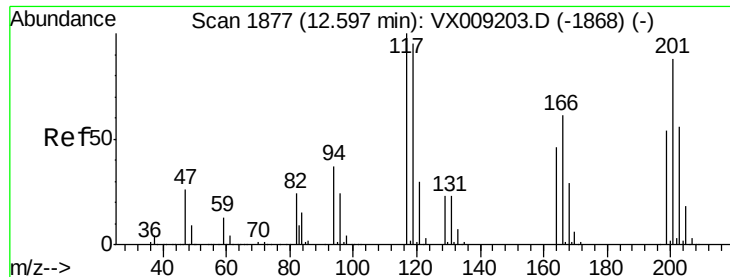
Tot Ion:119 Resp: 21478  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 12.9 38.7  
 91 25.5 11.8 35.4



#89  
 n-Butylbenzene  
 Concen: 6.126 ug/l  
 RT: 12.38 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: VX009869.D  
 Acq: 23 May 2019 19:25

Tgt Ion: 91 Resp: 42391  
 Ion Ratio Lower Upper  
 91 100  
 92 41.7 26.5 79.5  
 134 75.0 12.4 37.2#





#90

Hexachloroethane

Concen: 3.020 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

Instrument :

MSVOA\_X

ClientSampleId :

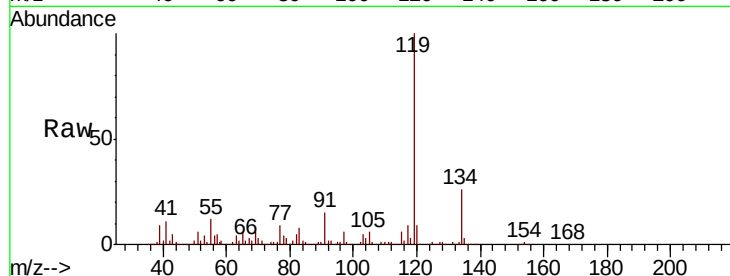
EP1-SB-E2-3R(14-17)DL

Tot Ion:117 Resp: 3940

Ion Ratio Lower Upper

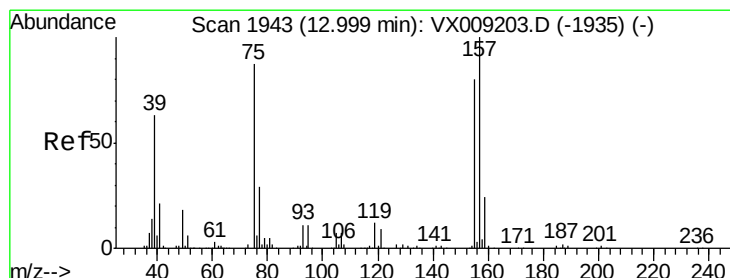
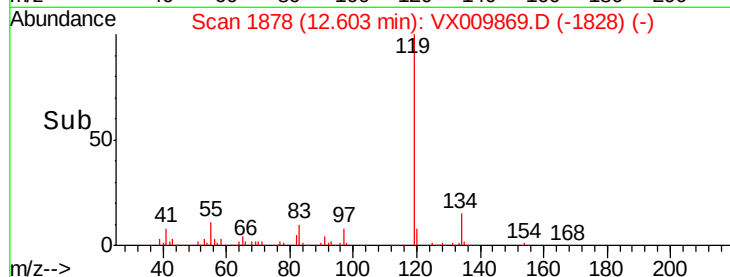
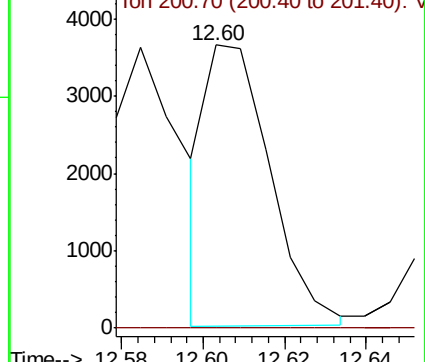
117 100

201 0.0 42.3 126.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.556 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX009869.D

Acq: 23 May 2019 19:25

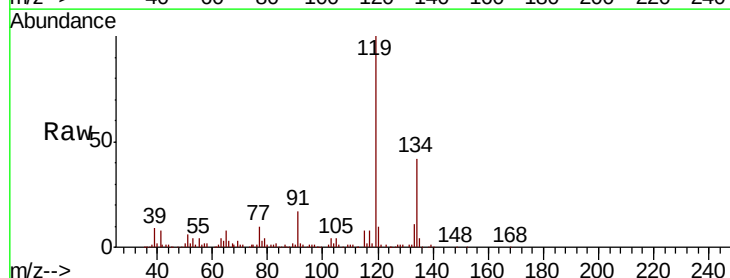
Tgt Ion: 75 Resp: 408

Ion Ratio Lower Upper

75 100

155 0.0 42.0 126.0#

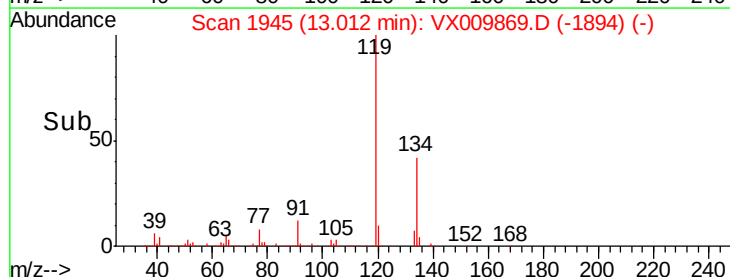
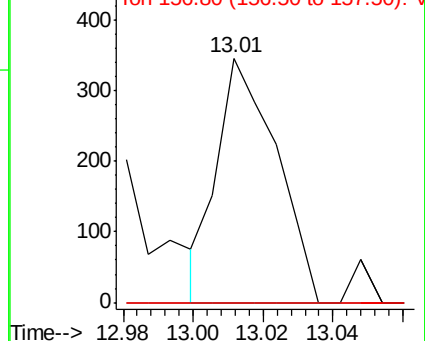
157 0.0 53.2 159.6#

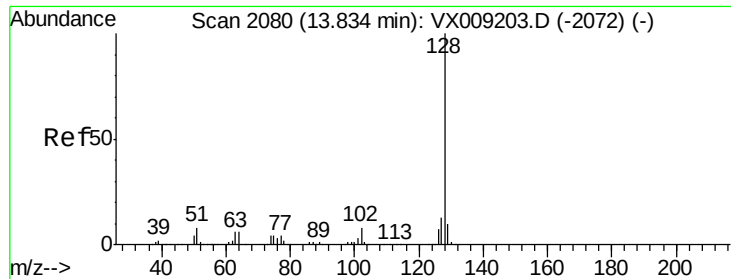


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95  
 Naphthalene  
 Concen: 1.004 ug/l  
 RT: 13.83 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: VX009869.D  
 Acq: 23 May 2019 19:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-SB-E2-3R(14-17)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.8  | 10.4  | 15.6  |
| 129     | 13.8  | 8.6   | 13.0  |

