

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\  
 Data File : VX008482.D  
 Acq On : 27 Mar 2019 15:06  
 Operator : JC/SP  
 Sample : K2099-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SHORE-RD-CLVRT-STLD-1H-A

Quant Time: Mar 28 02:05:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Mar 27 12:01:15 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.02  | 128  | 36783    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 212915   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 185978   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.06   | 65    | 93365    | 30.34    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 101.13% |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 97107    | 29.97    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 99.90%  |
| 63) Toluene-d8            | 8.71   | 98    | 273097   | 30.94    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 103.13% |

## Target Compounds

|                                |       |     |        |        | Ovalue     |
|--------------------------------|-------|-----|--------|--------|------------|
| 12) Methyl Acetate             | 3.17  | 43  | 44765  | 23.712 | ug/l # 53  |
| 13) Acrolein                   | 2.27  | 56  | 415    | 0.766  | ug/l # 1   |
| 14) Acrylonitrile              | 3.17  | 53  | 6313   | 3.617  | ug/l # 33  |
| 15) Acetone                    | 2.44  | 58  | 3363   | 6.248  | ug/l # 87  |
| 16) Carbon Disulfide           | 2.57  | 76  | 1607   | 0.222  | ug/l # 61  |
| 18) Methylene Chloride         | 2.85  | 84  | 1349   | 0.484  | ug/l # 29  |
| 23) tert-Butyl Alcohol         | 3.04  | 59  | 1407   | 1.996  | ug/l # 98  |
| 26) Cyclohexane                | 5.59  | 56  | 118455 | 23.840 | ug/l # 70  |
| 30) 2-Butanone                 | 4.68  | 43  | 3416   | 1.297  | ug/l # 74  |
| 34) Benzene                    | 6.14  | 78  | 10461  | 0.955  | ug/l # 90  |
| 35) Methacrylonitrile          | 5.07  | 41  | 1118   | 0.417  | ug/l # 36  |
| 38) Methylcyclohexane          | 7.46  | 83  | 134727 | 29.849 | ug/l # 78  |
| 41) Bromodichloromethane       | 7.85  | 83  | 1492   | 0.422  | ug/l # 60  |
| 46) Methyl methacrylate        | 7.85  | 41  | 5205   | 1.337  | ug/l # 83  |
| 47) n-amyl Acetate             | 10.94 | 43  | 3823   | 0.549  | ug/l # 56  |
| 51) Ethyl methacrylate         | 9.26  | 69  | 2282   | 0.459  | ug/l # 85  |
| 56) Bromoform                  | 11.13 | 173 | 846    | 0.442  | ug/l # 1   |
| 58) 4-Methyl-2-Pentanone       | 8.64  | 43  | 8649   | 1.763  | ug/l # 89  |
| 59) 2-Hexanone                 | 9.50  | 43  | 1147   | 0.296  | ug/l # 76  |
| 62) Toluene                    | 8.79  | 91  | 5570   | 0.495  | ug/l # 100 |
| 66) Ethyl Benzene              | 10.25 | 91  | 17400  | 1.392  | ug/l # 98  |
| 67) m/p-Xylenes                | 10.36 | 106 | 7927   | 1.739  | ug/l # 97  |
| 68) o-Xylene                   | 10.69 | 106 | 3503   | 0.785  | ug/l # 95  |
| 70) Isopropylbenzene           | 11.02 | 105 | 30312  | 2.576  | ug/l # 96  |
| 74) n-propylbenzene            | 11.36 | 91  | 121826 | 8.690  | ug/l # 94  |
| 75) 2-Chlorotoluene            | 11.45 | 91  | 2399   | 0.288  | ug/l # 42  |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105 | 68244  | 6.783  | ug/l # 95  |
| 77) t-1,4-Dichloro-2-butene    | 11.02 | 75  | 512    | 0.359  | ug/l # 79  |
| 78) 4-Chlorotoluene            | 11.51 | 91  | 7454   | 0.777  | ug/l # 44  |
| 79) tert-butylbenzene          | 12.06 | 119 | 9453   | 0.919  | ug/l # 97  |
| 80) 1,2,4-Trimethylbenzene     | 11.80 | 105 | 8806   | 0.878  | ug/l # 99  |
| 81) sec-Butylbenzene           | 11.94 | 105 | 19509  | 1.697  | ug/l # 92  |
| 82) p-Isopropyltoluene         | 12.06 | 119 | 9453   | 0.919  | ug/l # 97  |
| 85) n-Butylbenzene             | 12.76 | 91  | 22627  | 2.316  | ug/l # 59  |
| 86) Hexachloroethane           | 12.58 | 117 | 3713   | 2.161  | ug/l # 8   |
| 88) 1,2-Dibromo-3-Chloropropan | 12.97 | 75  | 1131   | 1.161  | ug/l # 1   |
| 91) Naphthalene                | 13.83 | 128 | 63137  | 5.334  | ug/l # 97  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\  
Data File : VX008482.D  
Acq On : 27 Mar 2019 15:06  
Operator : JC/SP  
Sample : K2099-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

Quant Time: Mar 28 02:05:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Mar 27 12:01:15 2019  
Response via : Initial Calibration

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

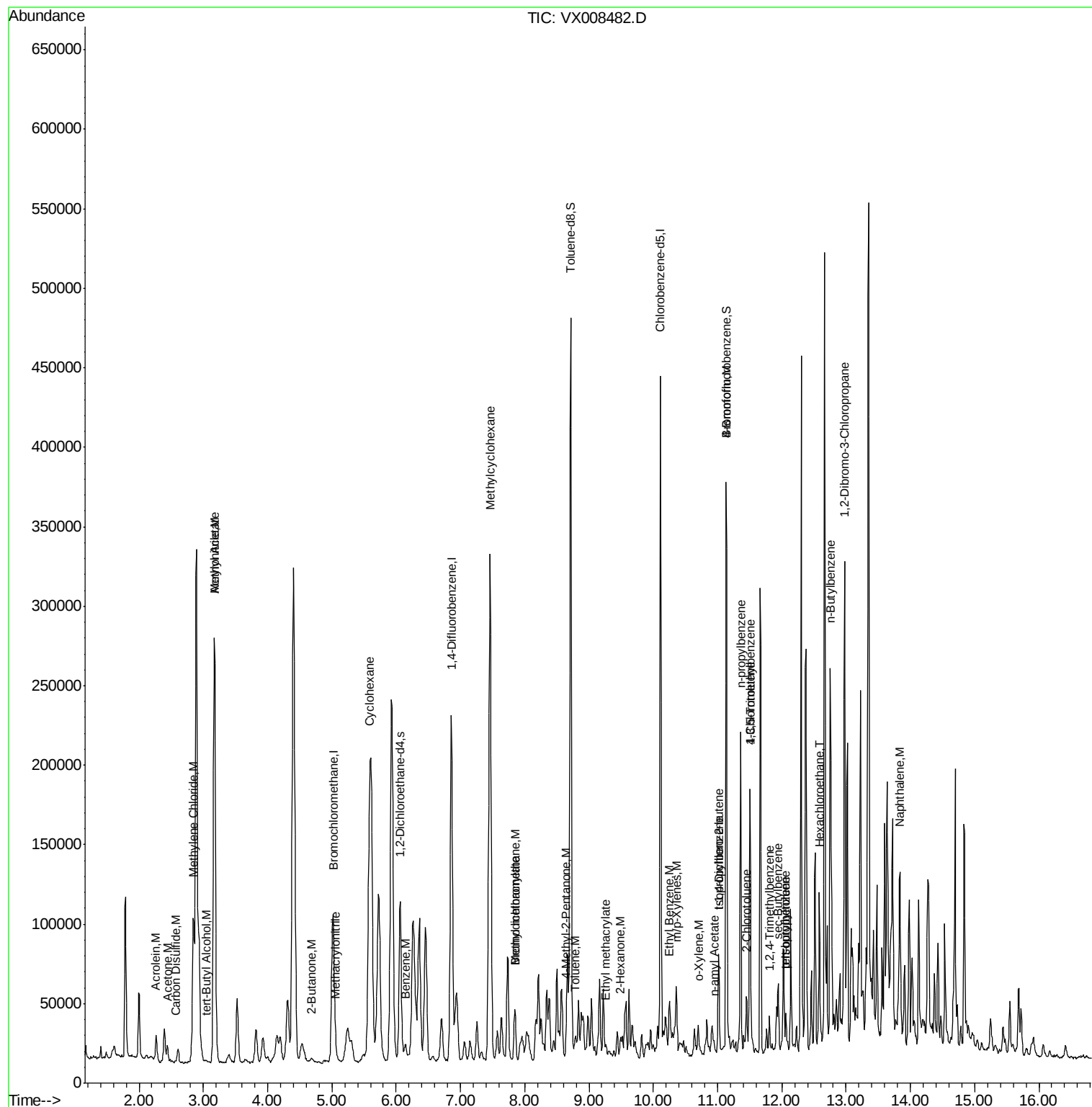
|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

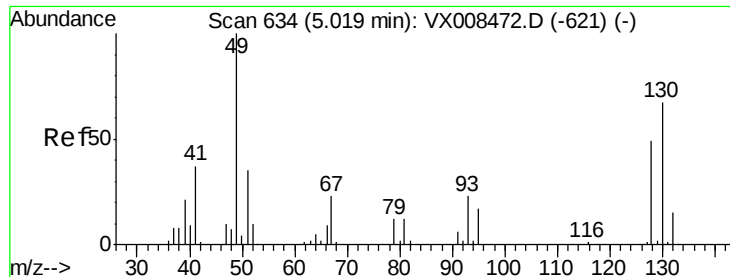
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032719\  
Data File : VX008482.D  
Acq On : 27 Mar 2019 15:06  
Operator : JC/SP  
Sample : K2099-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

Quant Time: Mar 28 02:05:52 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Mar 27 12:01:15 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-1H-A

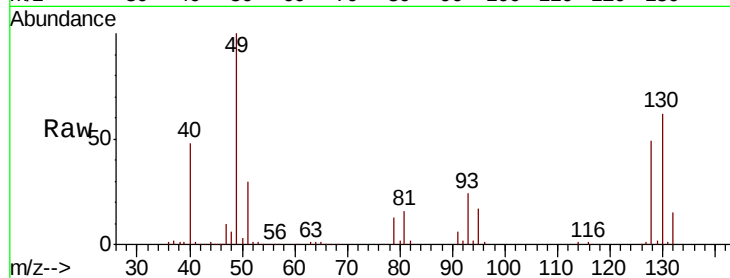
Tot Ion:128 Resp: 36783

Ion Ratio Lower Upper

128 100

49 205.7 0.0 350.8

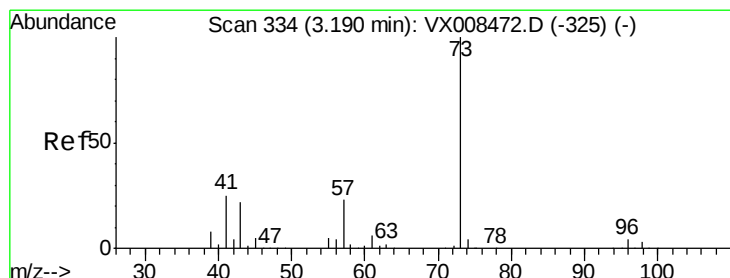
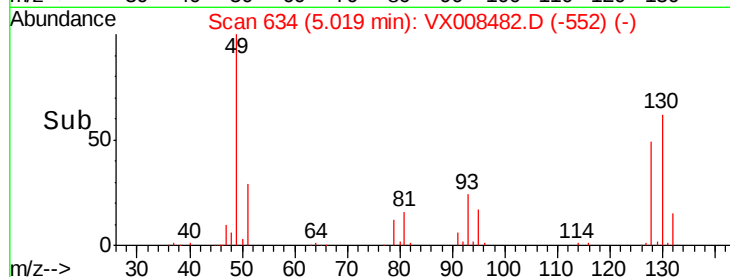
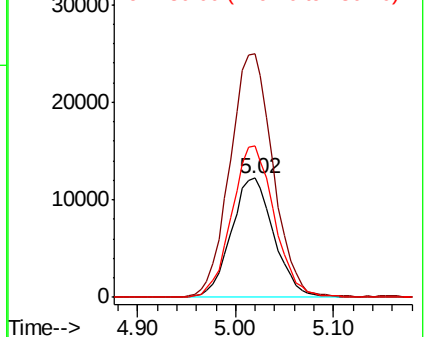
130 126.8 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 23.712 ug/l

RT: 3.17 min Scan# 331

Delta R.T. -0.02 min

Lab File: VX008482.D

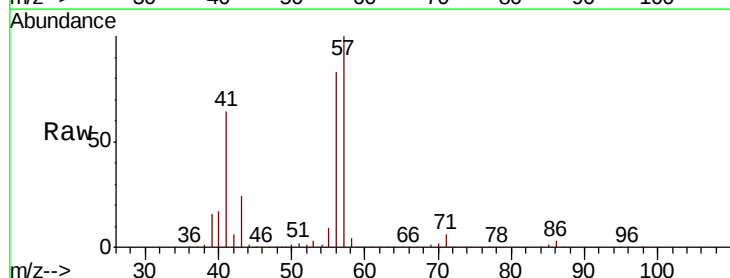
Acq: 27 Mar 2019 15:06

Tgt Ion: 43 Resp: 44765

Ion Ratio Lower Upper

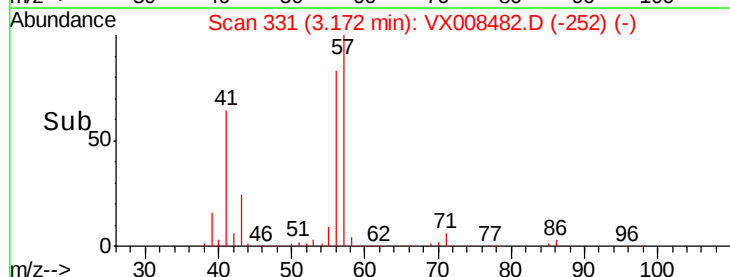
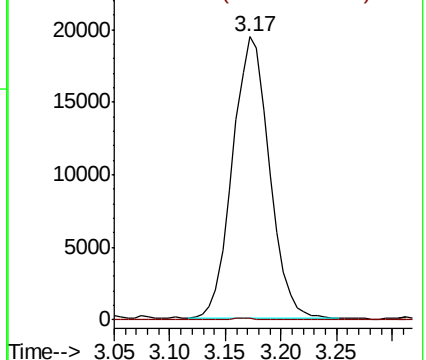
43 100

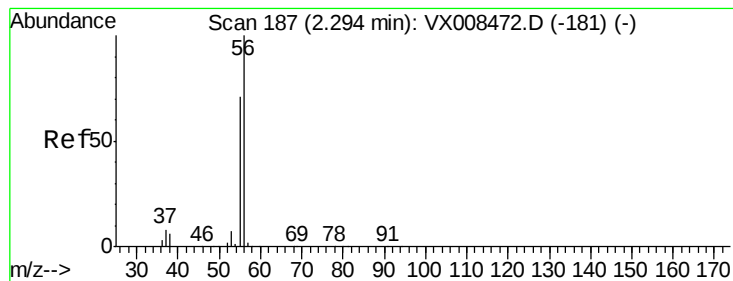
74 0.7 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 0.766 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

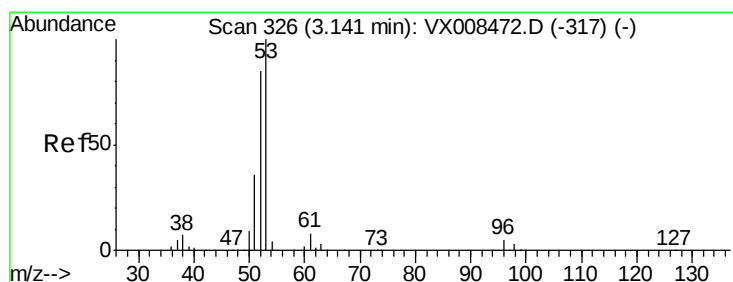
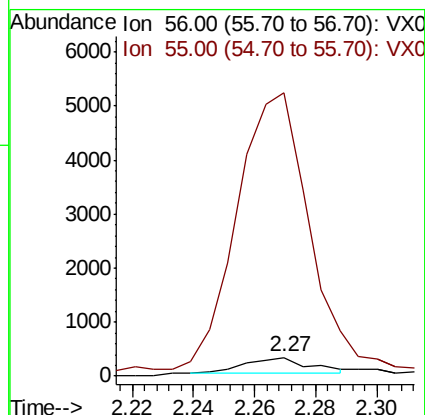
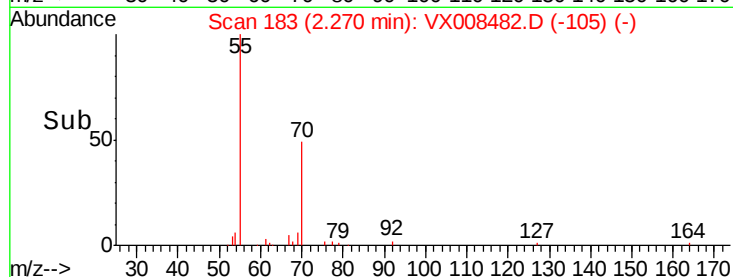
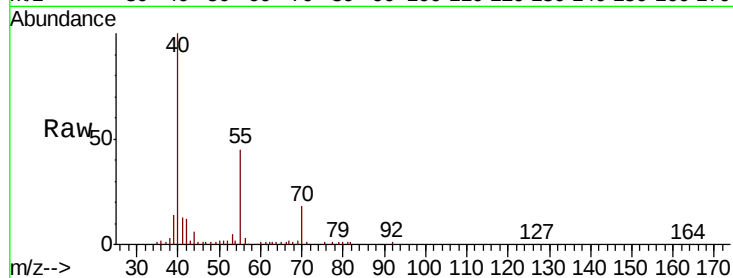
SHORE-RD-CLVRT-STLD-1H-A

Tot Ion: 56 Resp: 415

Ion Ratio Lower Upper

56 100

55 2125.3 58.6 87.8#



#14

Acrylonitrile

Concen: 3.617 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

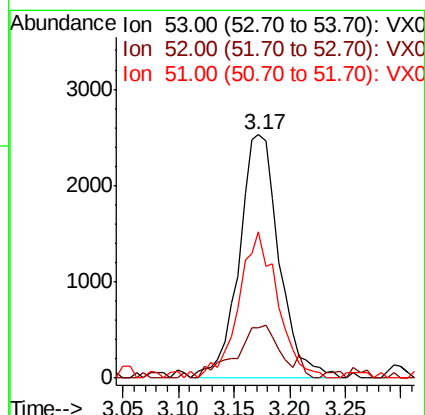
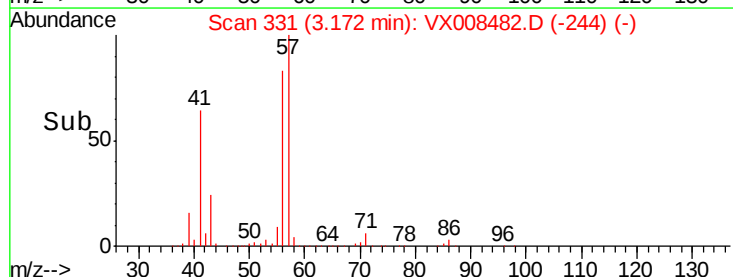
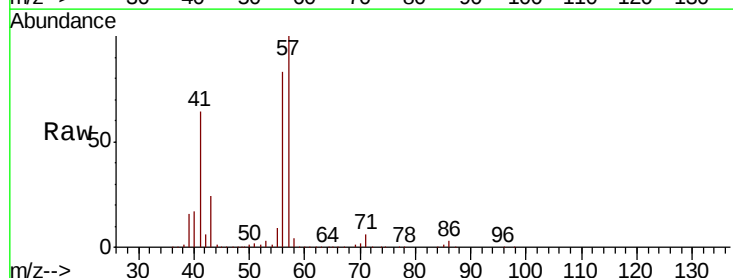
Tgt Ion: 53 Resp: 6313

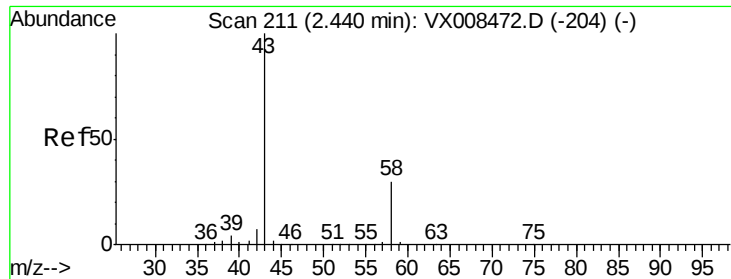
Ion Ratio Lower Upper

53 100

52 12.7 41.3 124.1#

51 58.4 17.5 52.6#





#15

Acetone

Concen: 6.248 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

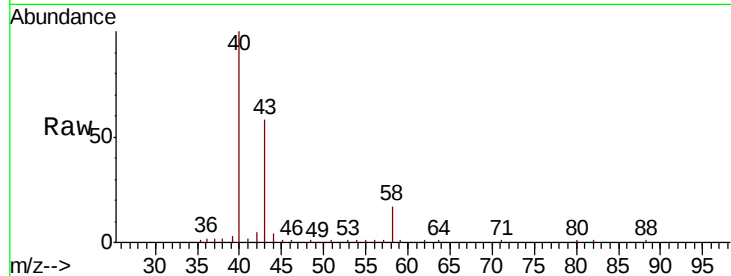
SHORE-RD-CLVRT-STLD-1H-A

Tot Ion: 58 Resp: 3363

Ion Ratio Lower Upper

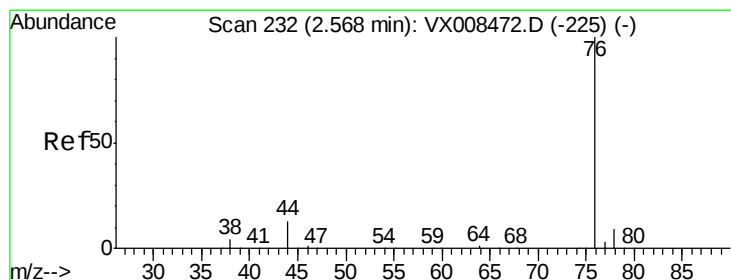
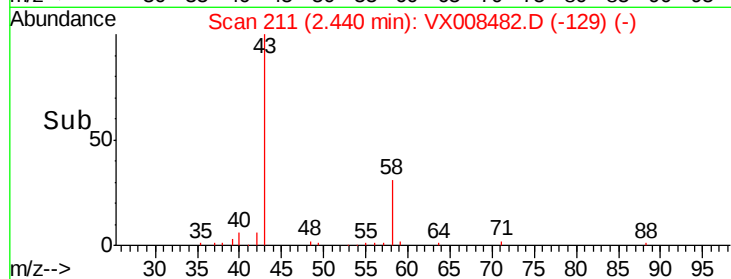
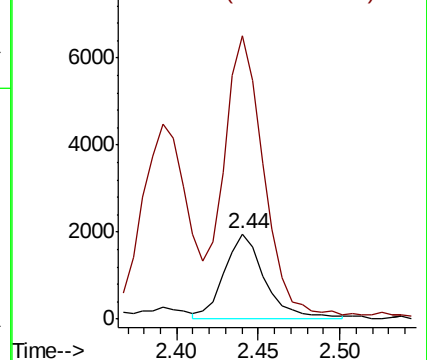
58 100

43 337.6 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.222 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008482.D

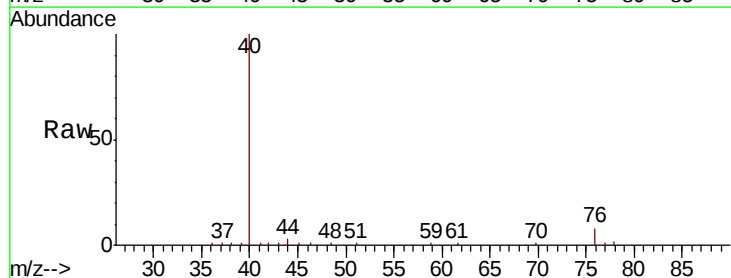
Acq: 27 Mar 2019 15:06

Tgt Ion: 76 Resp: 1607

Ion Ratio Lower Upper

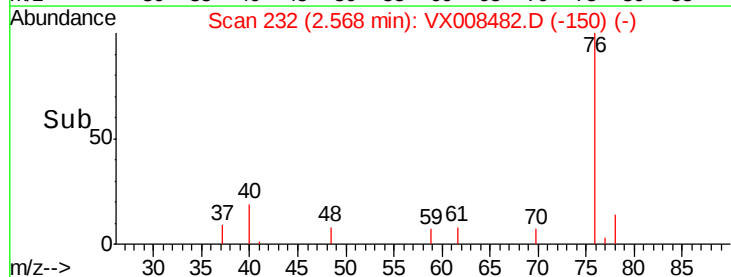
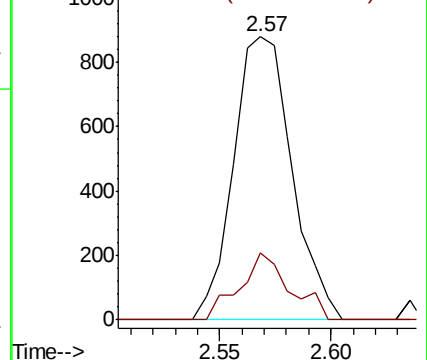
76 100

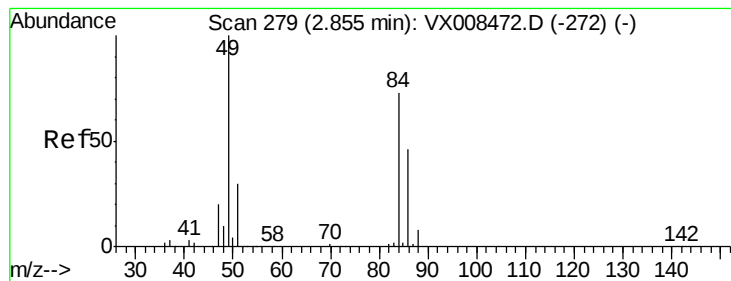
78 23.7 7.5 11.3#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#18

Methylene Chloride

Concen: 0.484 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-1H-A

Tot Ion: 84 Resp: 1349

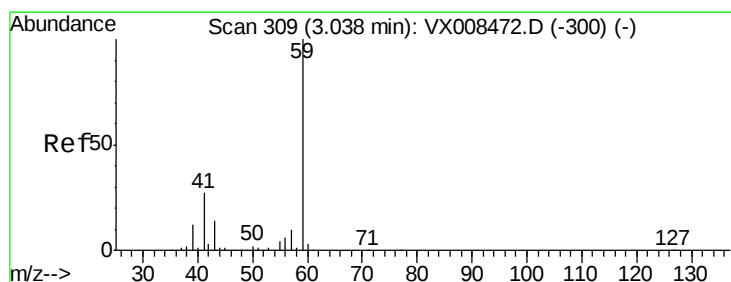
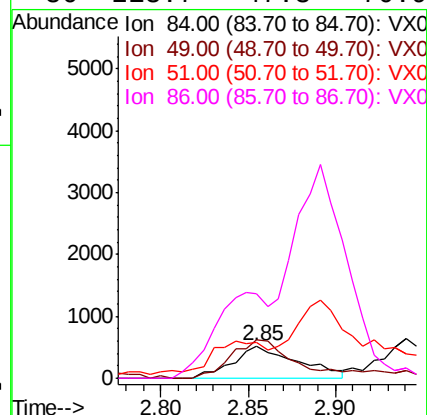
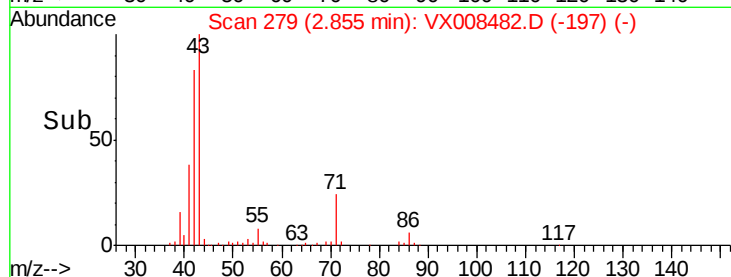
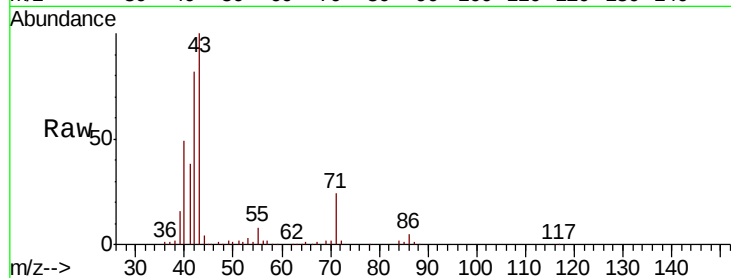
Ion Ratio Lower Upper

84 100

49 118.4 96.1 144.1

51 84.8 29.1 43.7#

86 213.7 47.3 70.9#



#23

tert-Butyl Alcohol

Concen: 1.996 ug/l

RT: 3.04 min Scan# 309

Delta R.T. 0.00 min

Lab File: VX008482.D

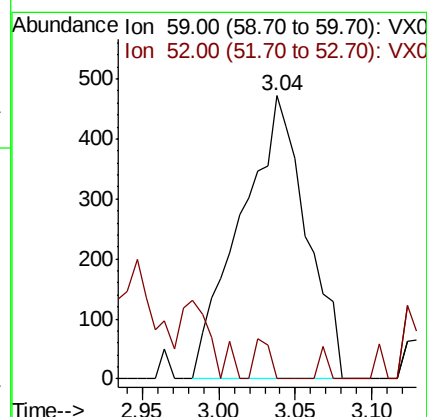
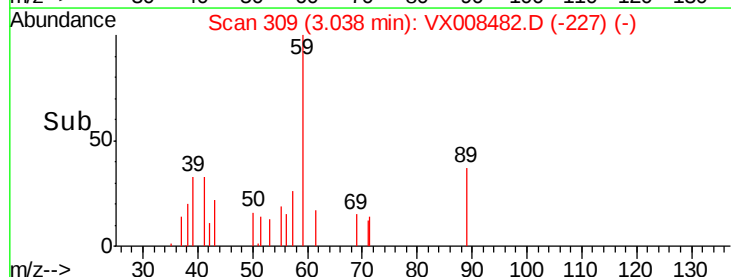
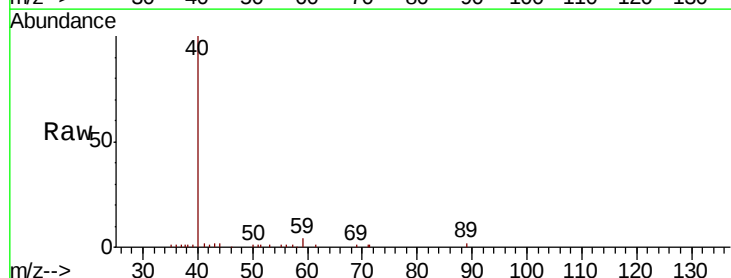
Acq: 27 Mar 2019 15:06

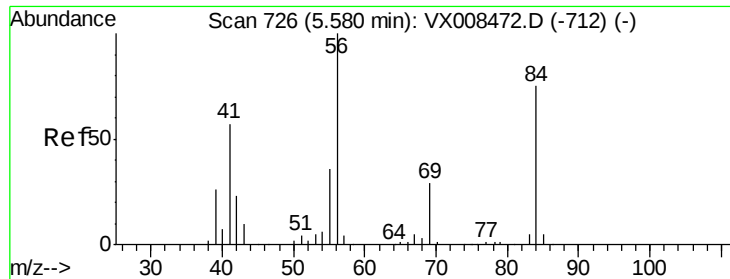
Tgt Ion: 59 Resp: 1407

Ion Ratio Lower Upper

59 100

52 3.2 0.2 0.2#

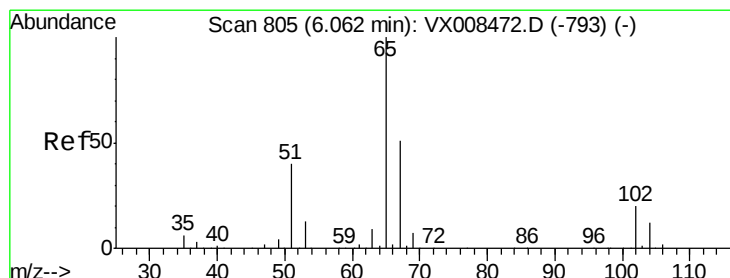
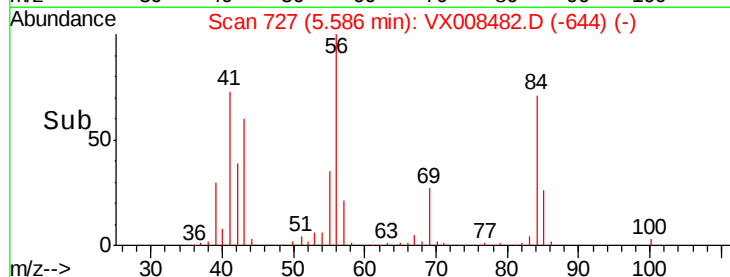
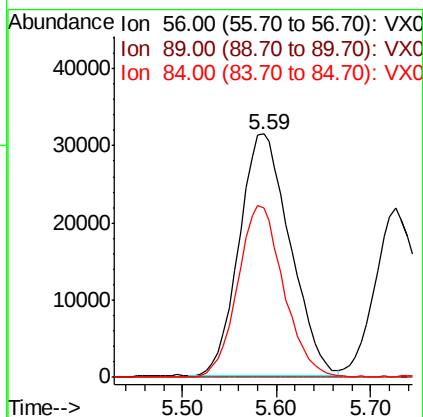
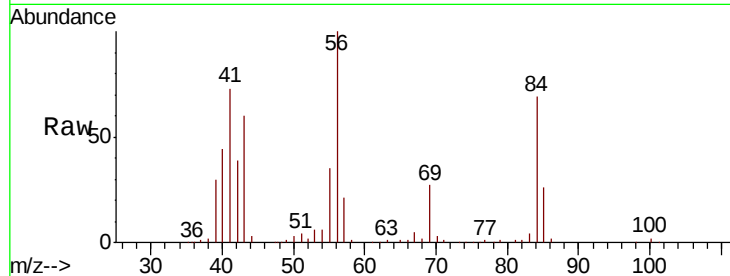




#26  
Cyclohexane  
Concen: 23.840 ug/l  
RT: 5.59 min Scan# 727  
Delta R.T. 0.01 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

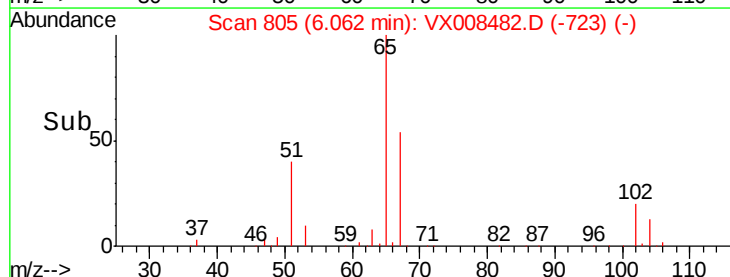
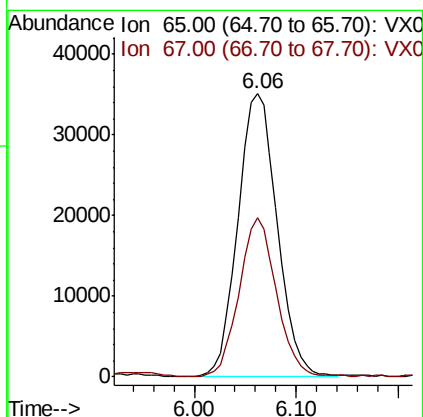
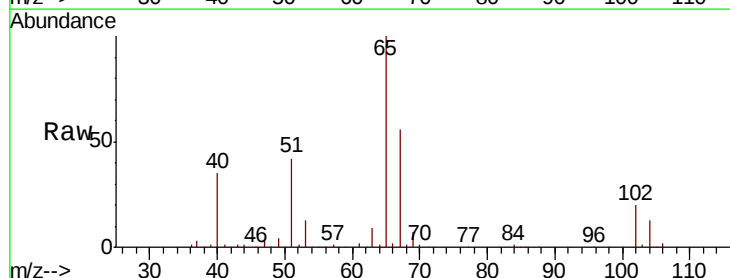
Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

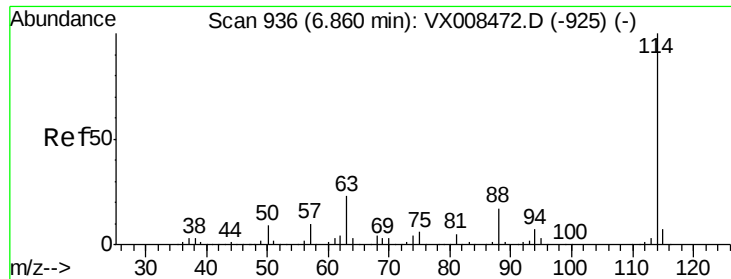
Tot Ion: 56 Resp: 118455  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 63.8 73.9 110.9#



#27  
1,2-Dichloroethane-d4  
Concen: 30.342 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

Tgt Ion: 65 Resp: 93365  
Ion Ratio Lower Upper  
65 100  
67 53.0 42.9 64.3

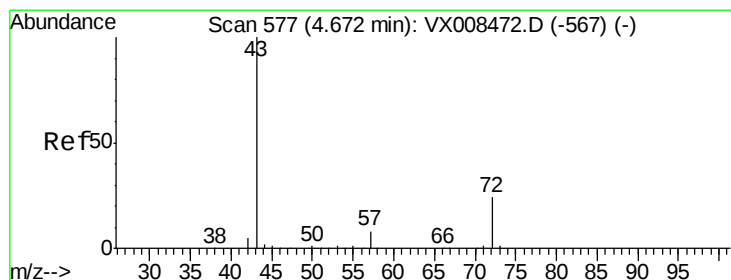
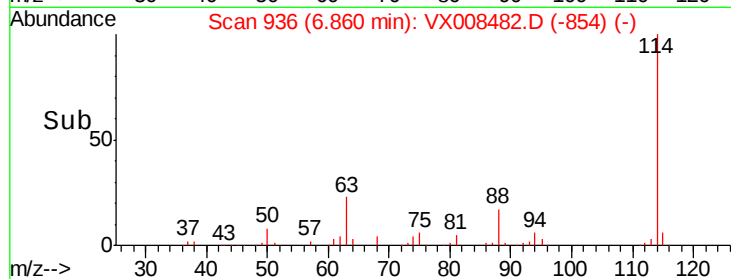
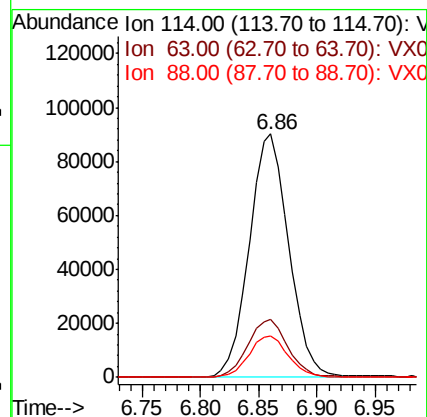
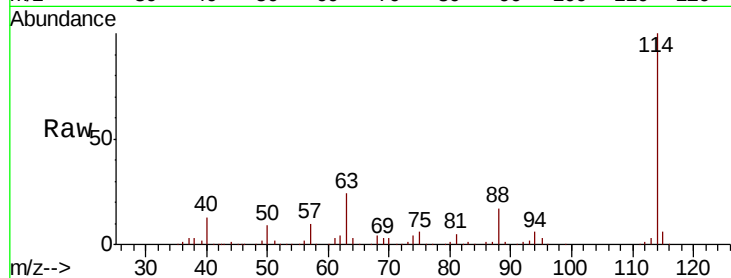




#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX008482.D  
 Acq: 27 Mar 2019 15:06

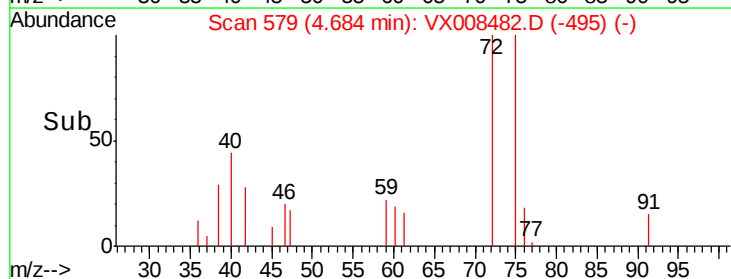
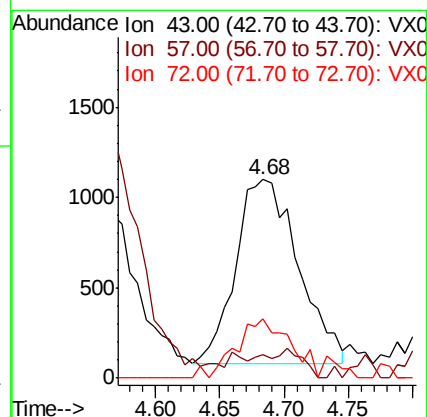
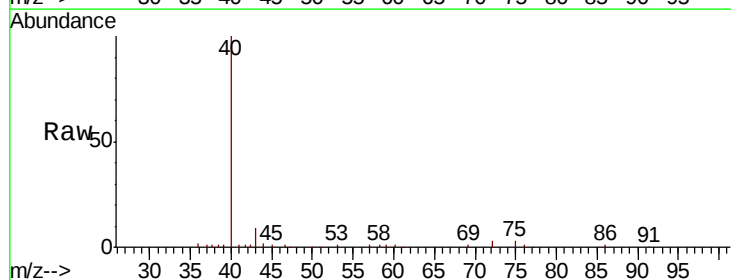
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SHORE-RD-CLVRT-STLD-1H-A

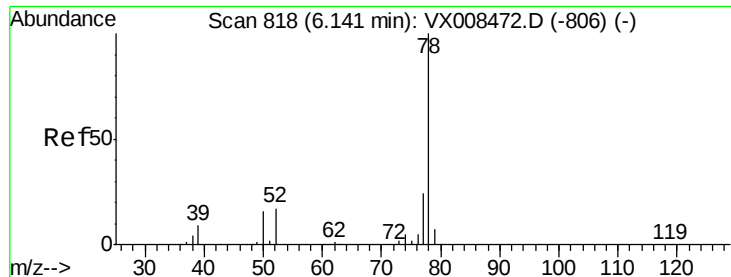
Tot Ion:114 Resp: 212915  
 Ion Ratio Lower Upper  
 114 100  
 63 24.0 14.2 21.4#  
 88 17.0 11.9 17.9



#30  
 2-Butanone  
 Concen: 1.297 ug/l  
 RT: 4.68 min Scan# 579  
 Delta R.T. 0.01 min  
 Lab File: VX008482.D  
 Acq: 27 Mar 2019 15:06

Tgt Ion: 43 Resp: 3416  
 Ion Ratio Lower Upper  
 43 100  
 57 2.2 7.0 10.6#  
 72 12.5 21.5 32.3#





#34

Benzene

Concen: 0.955 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-1H-A

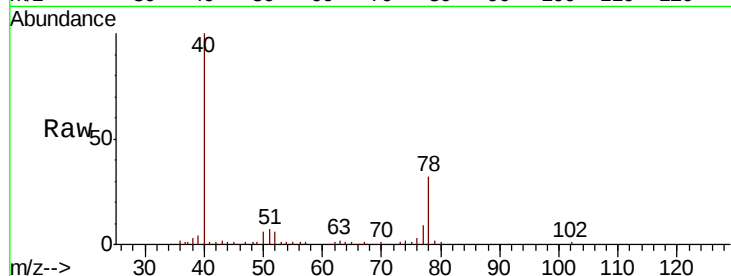
Tot Ion: 78 Resp: 10461

Ion Ratio Lower Upper

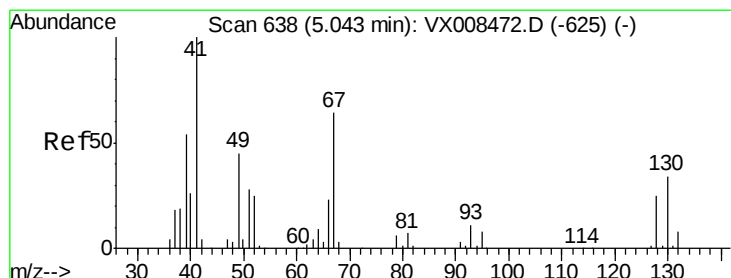
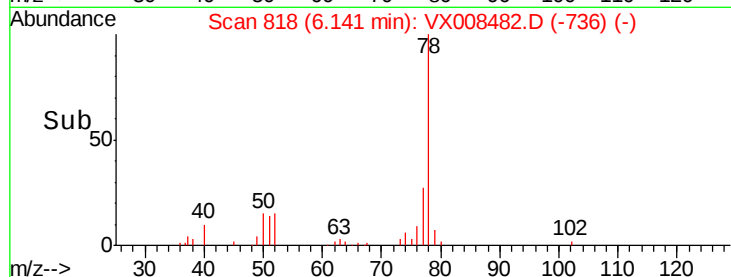
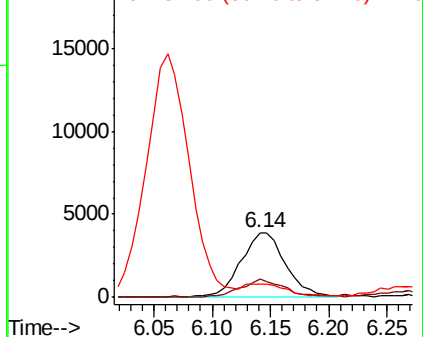
78 100

77 28.5 19.1 28.7

51 17.7 10.8 16.2#



Abundance Ion 78.10 (77.80 to 78.80): VX0  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 51.00 (50.70 to 51.70): VX0



#35

Methacrylonitrile

Concen: 0.417 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.02 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Tgt Ion: 41 Resp: 1118

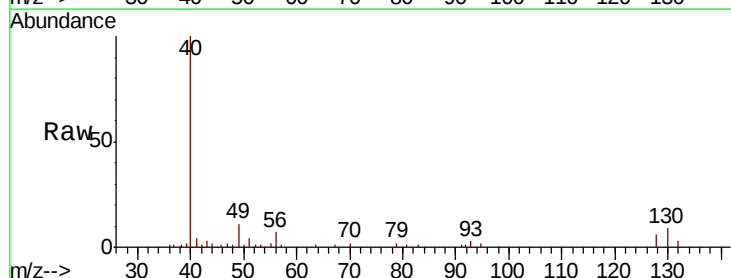
Ion Ratio Lower Upper

41 100

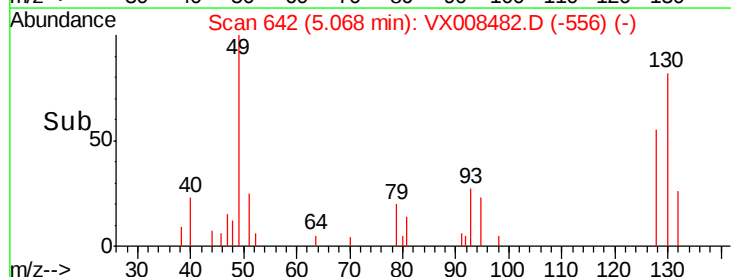
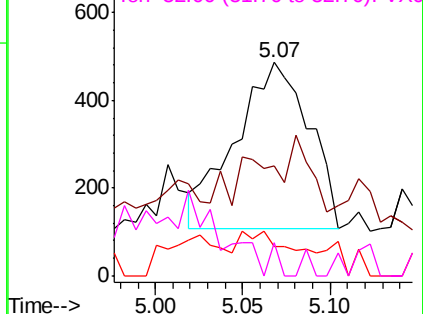
39 23.4 27.4 82.0#

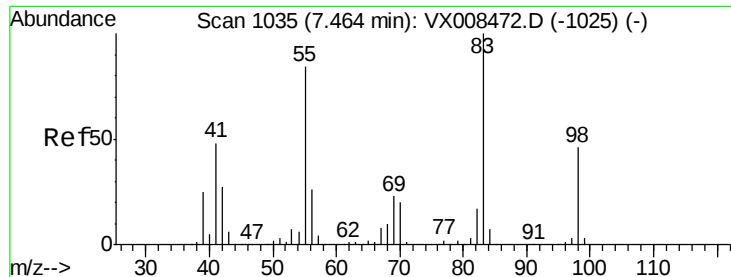
67 0.0 37.9 113.6#

52 6.3 13.3 39.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

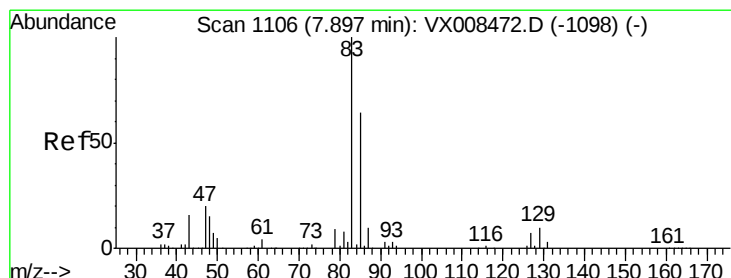
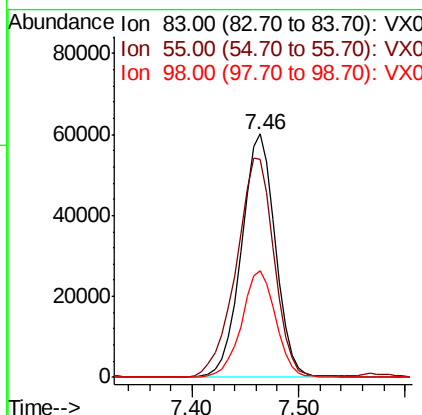
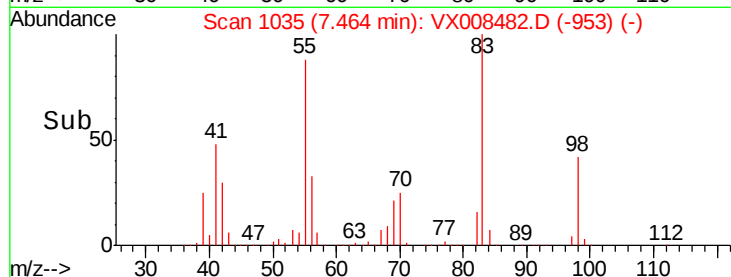
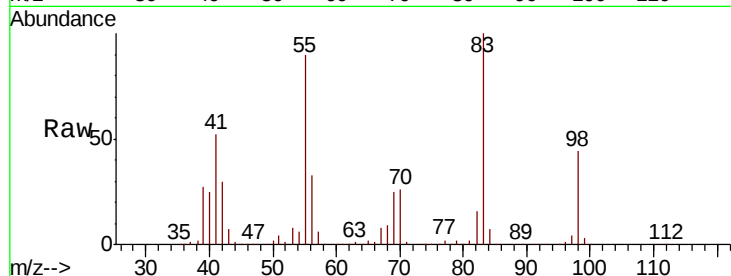




#38  
Methylcyclohexane  
Concen: 29.849 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

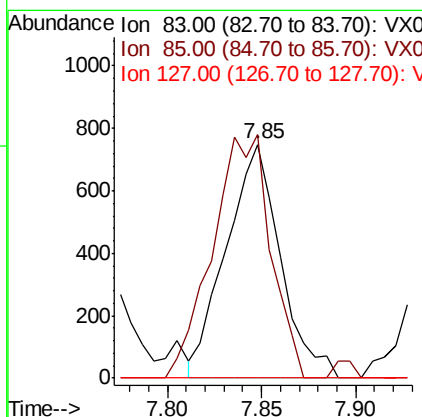
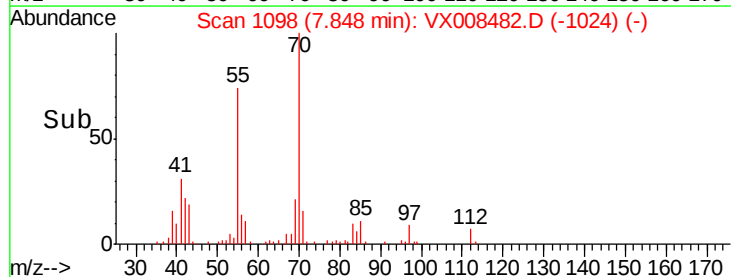
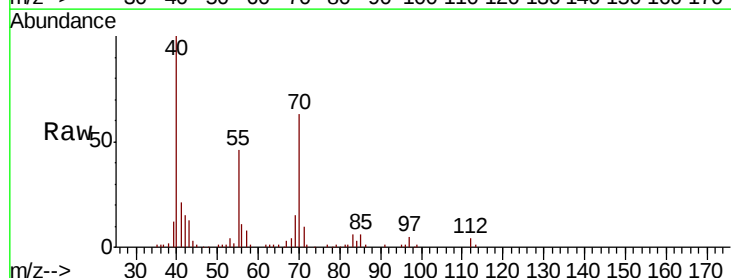
Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

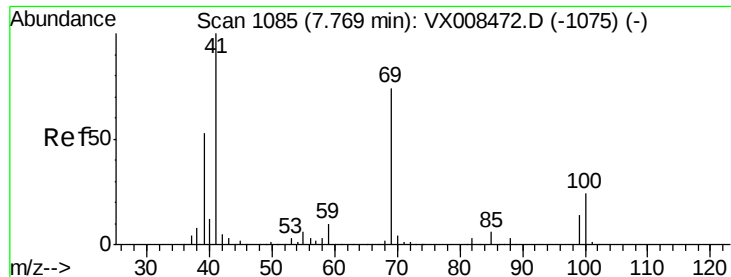
Tot Ion: 83 Resp: 134727  
Ion Ratio Lower Upper  
83 100  
55 99.8 36.0 108.0  
98 43.9 23.8 71.4



#41  
Bromodichloromethane  
Concen: 0.422 ug/l  
RT: 7.85 min Scan# 1098  
Delta R.T. -0.05 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

Tgt Ion: 83 Resp: 1492  
Ion Ratio Lower Upper  
83 100  
85 97.1 51.1 76.7#  
127 0.0 7.2 10.8#

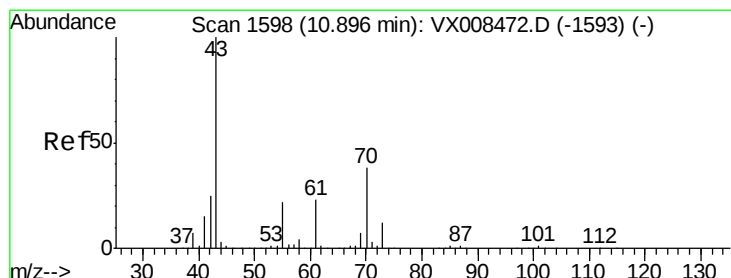
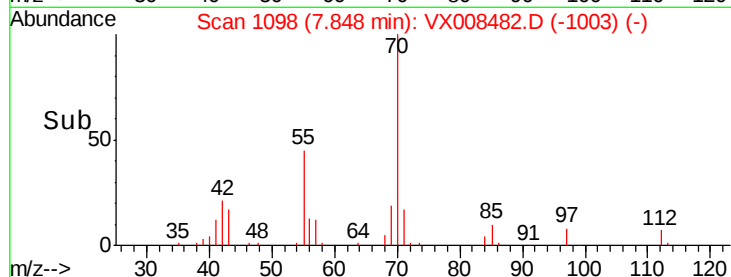
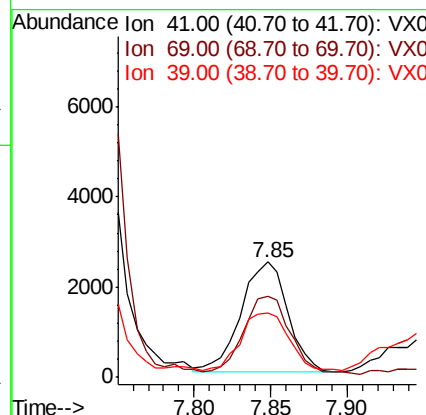
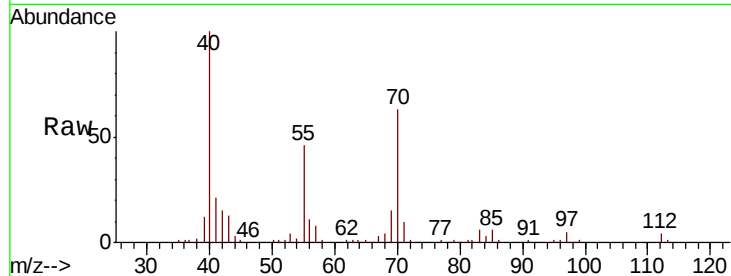




#46  
Methyl methacrylate  
Concen: 1.337 ug/l  
RT: 7.85 min Scan# 1098  
Delta R.T. 0.08 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

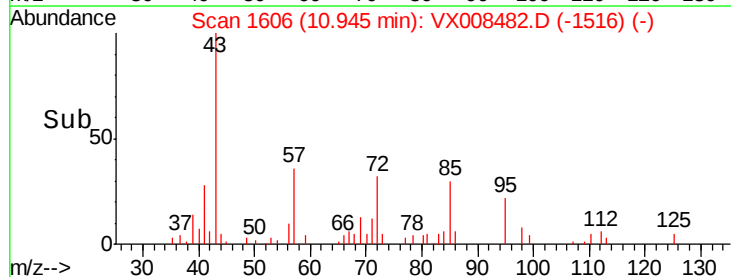
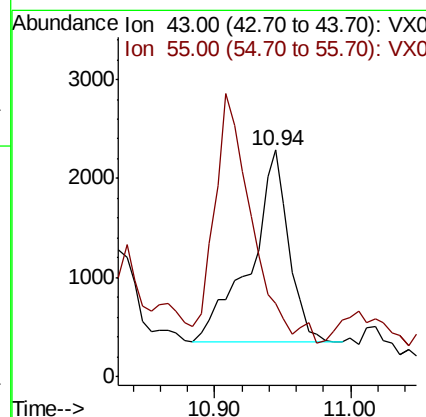
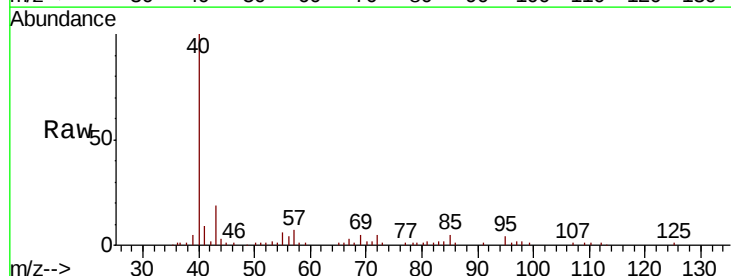
Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

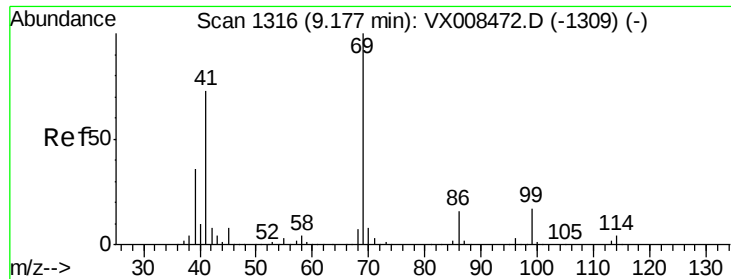
Tot Ion: 41 Resp: 5205  
Ion Ratio Lower Upper  
41 100  
69 68.7 44.2 132.6  
39 52.0 29.9 89.8



#47  
n-ethyl Acetate  
Concen: 0.549 ug/l  
RT: 10.94 min Scan# 1606  
Delta R.T. 0.05 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

Tgt Ion: 43 Resp: 3823  
Ion Ratio Lower Upper  
43 100  
55 3.5 20.8 31.2#





#51

Ethyl methacrylate

Concen: 0.459 ug/l

RT: 9.26 min Scan# 1330

Delta R.T. 0.09 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-1H-A

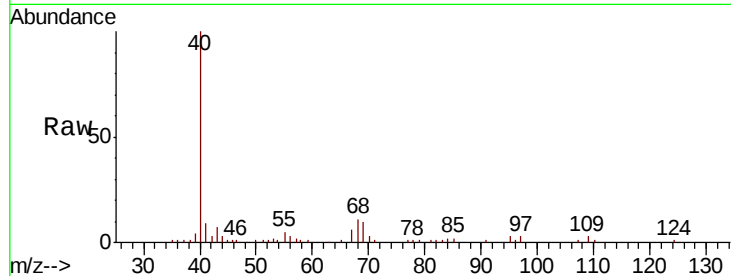
Tot Ion: 69 Resp: 2282

Ion Ratio Lower Upper

69 100

41 57.7 32.1 96.5

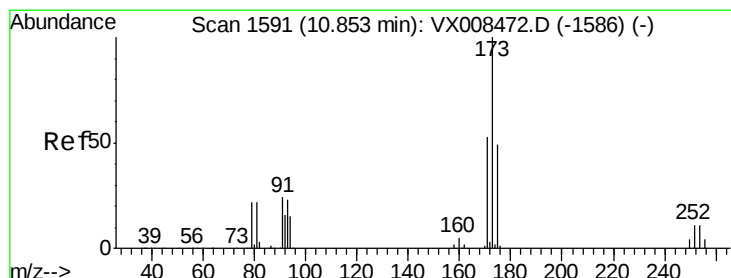
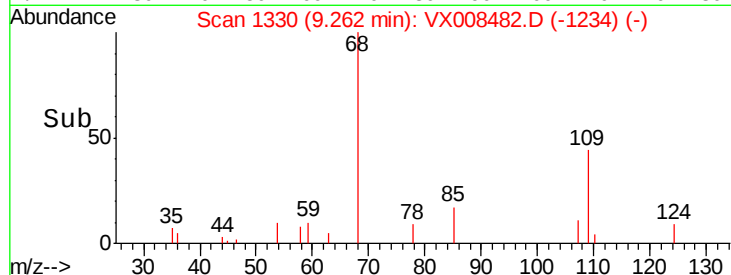
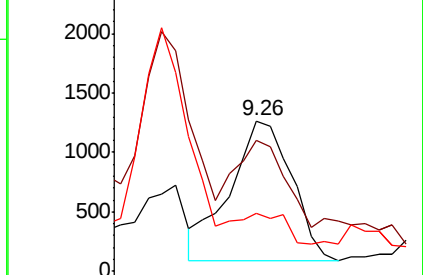
39 22.1 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#56

Bromoform

Concen: 0.442 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.28 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

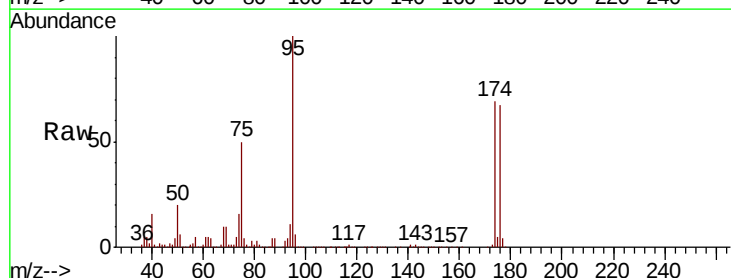
Tgt Ion: 173 Resp: 846

Ion Ratio Lower Upper

173 100

175 610.2 38.5 57.7#

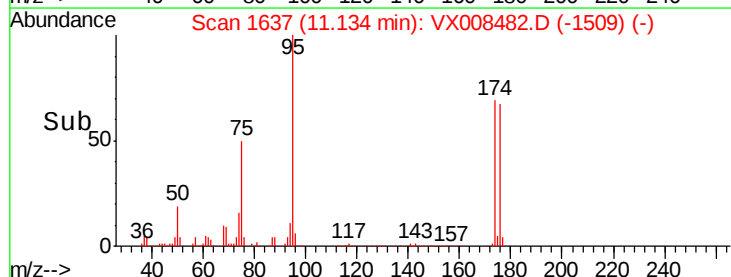
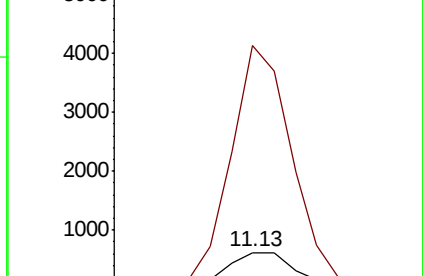
254 0.0 7.4 11.2#

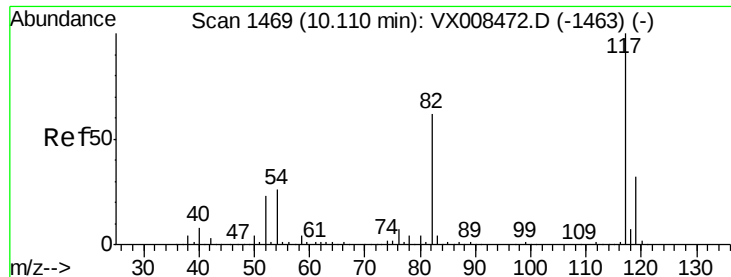


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-1H-A

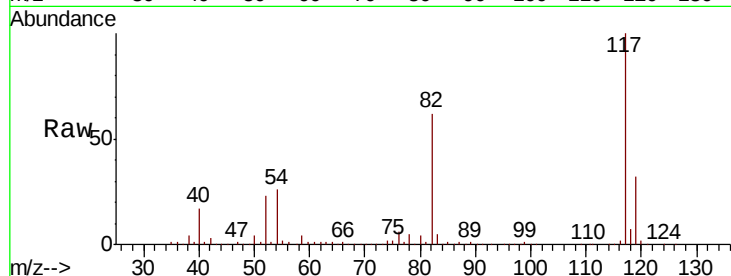
Tot Ion:117 Resp: 185978

Ion Ratio Lower Upper

117 100

82 60.6 40.4 60.6#

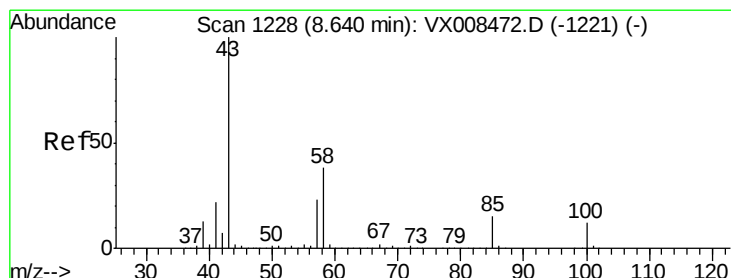
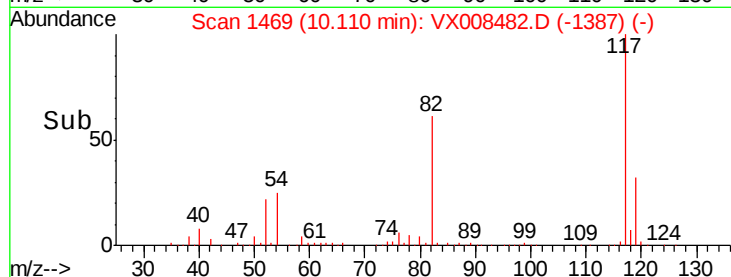
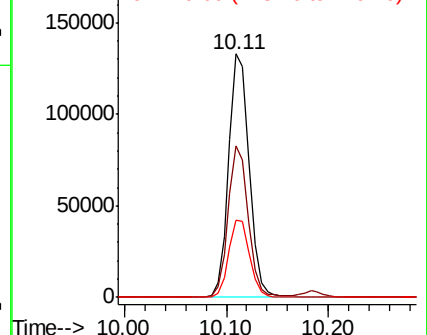
119 32.4 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 1.763 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

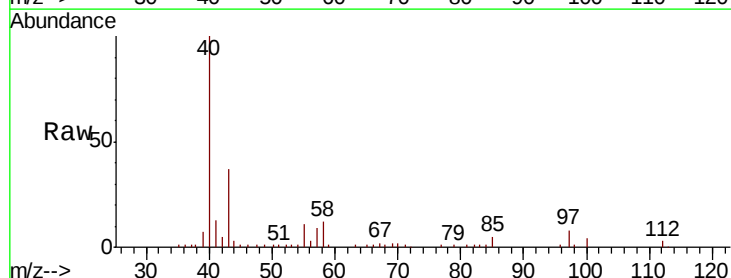
Tgt Ion: 43 Resp: 8649

Ion Ratio Lower Upper

43 100

58 31.2 31.4 47.0#

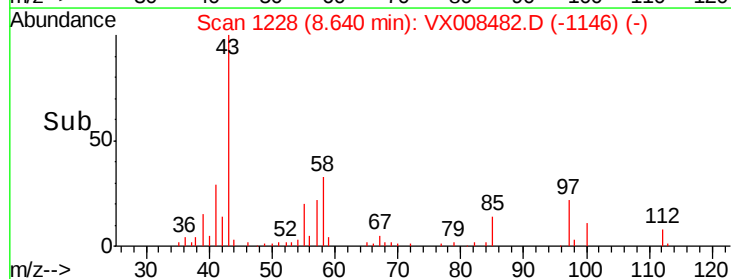
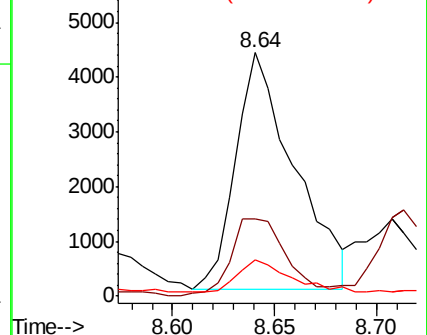
85 15.9 15.0 22.6

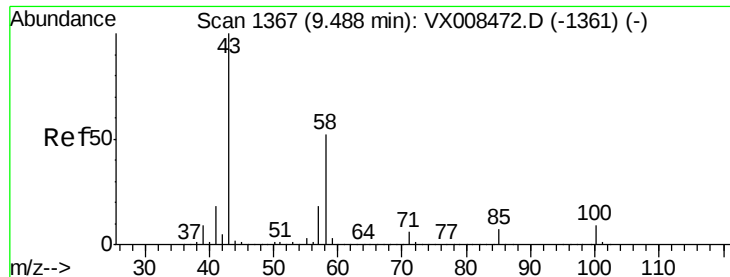


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#59

2-Hexanone

Concen: 0.296 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

SHORE-RD-CLVRT-STLD-1H-A

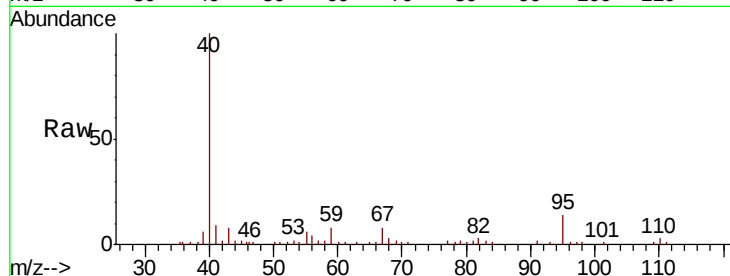
Tot Ion: 43 Resp: 1147

Ion Ratio Lower Upper

43 100

58 41.4 43.9 65.9#

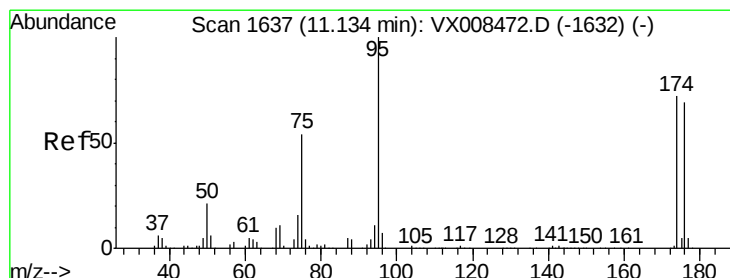
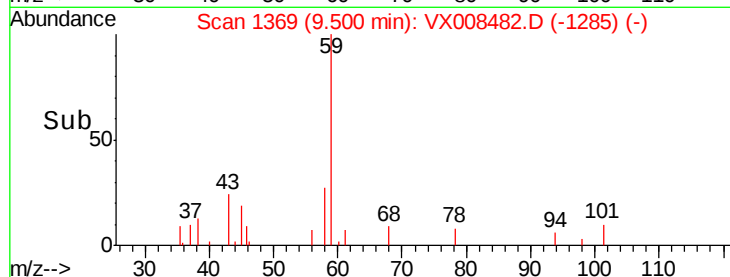
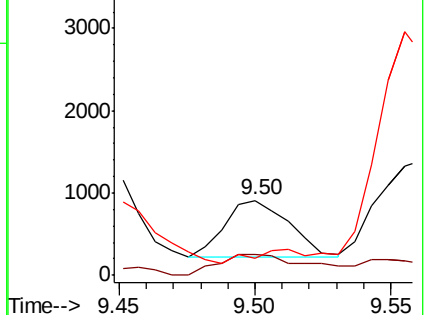
57 0.0 14.9 22.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#60

4-Bromofluorobenzene

Concen: 29.968 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

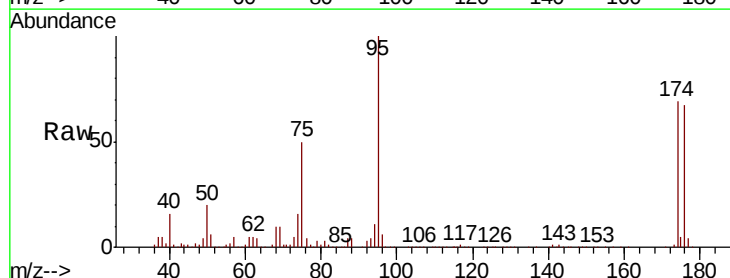
Tgt Ion: 95 Resp: 97107

Ion Ratio Lower Upper

95 100

174 73.2 74.9 112.3#

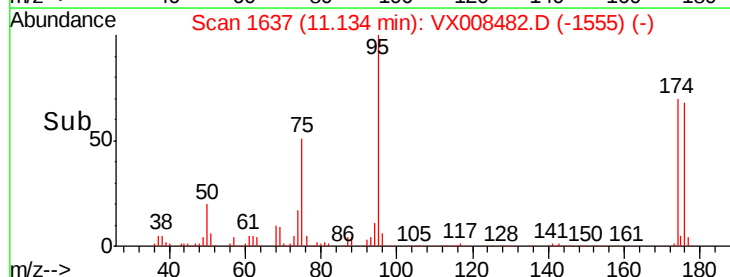
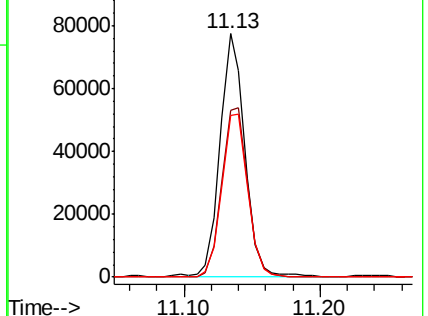
176 70.8 70.7 106.1

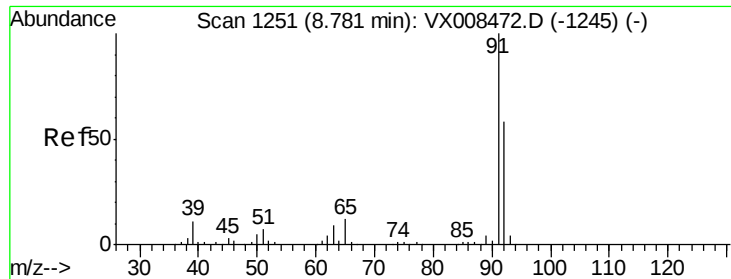


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#62

Toluene

Concen: 0.495 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

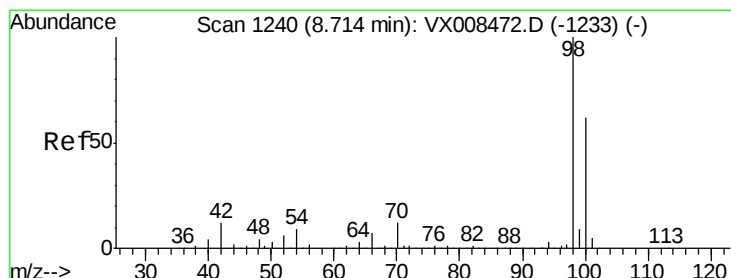
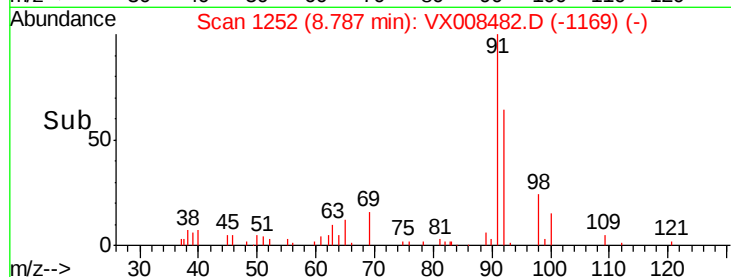
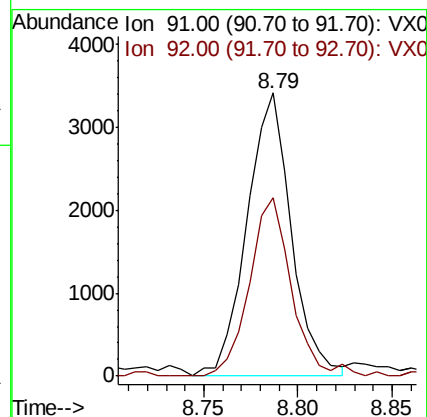
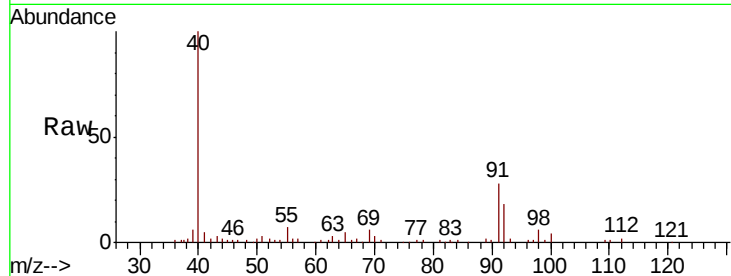
SHORE-RD-CLVRT-STLD-1H-A

Tot Ion: 91 Resp: 5570

Ion Ratio Lower Upper

91 100

92 58.1 46.4 69.6



#63

Toluene-d8

Concen: 30.936 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008482.D

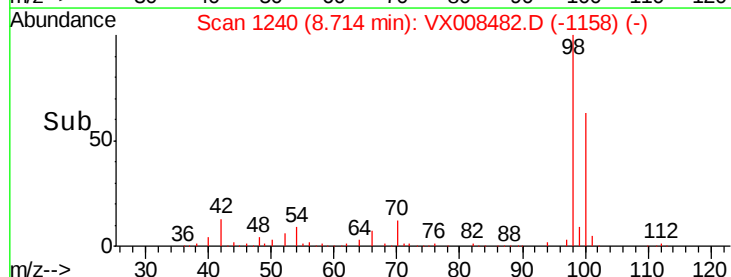
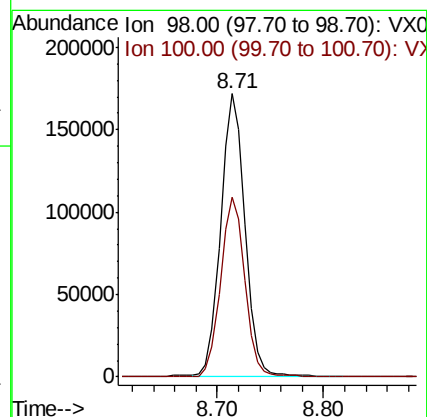
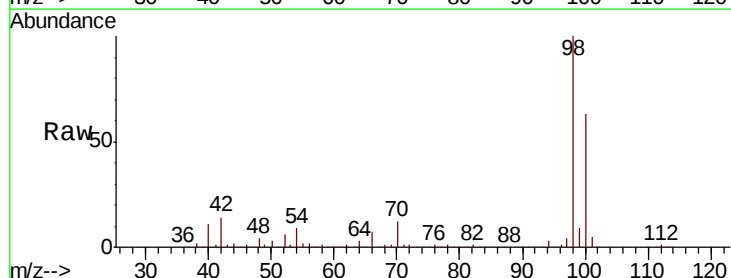
Acq: 27 Mar 2019 15:06

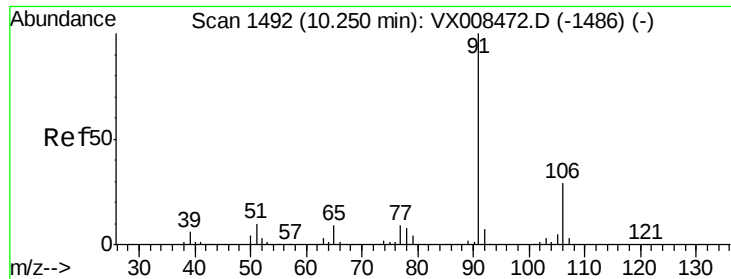
Tgt Ion: 98 Resp: 273097

Ion Ratio Lower Upper

98 100

100 63.1 50.9 76.3





#66

Ethyl Benzene

Concen: 1.392 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

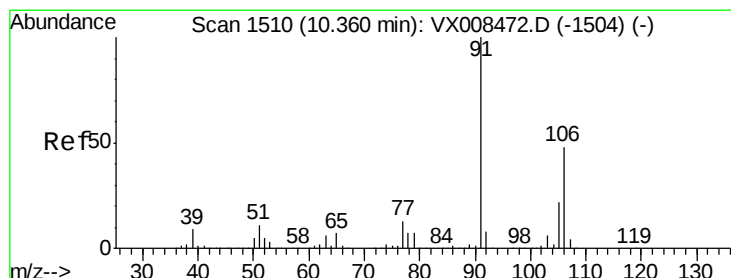
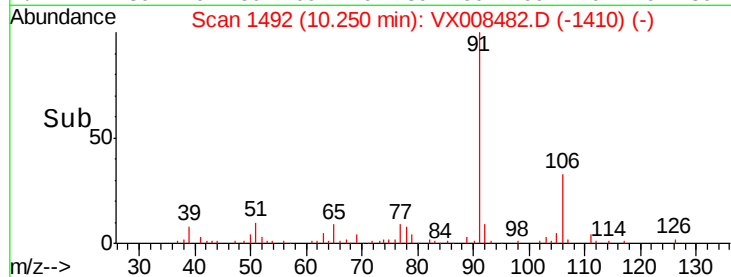
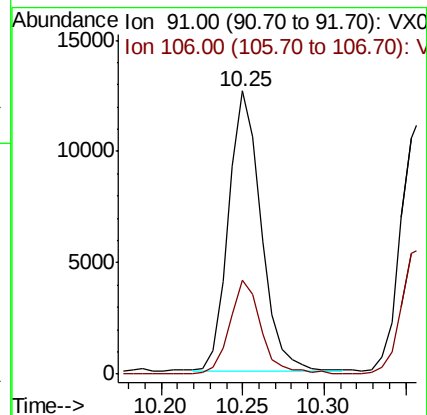
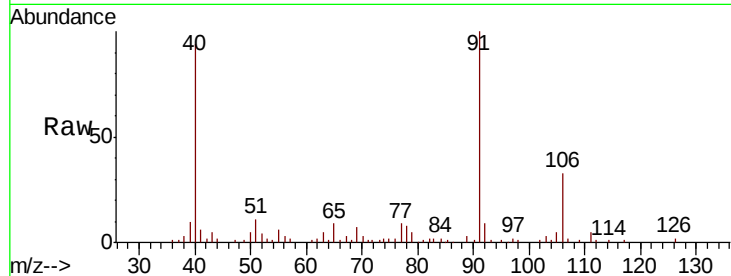
SHORE-RD-CLVRT-STLD-1H-A

Tot Ion: 91 Resp: 17400

Ion Ratio Lower Upper

91 100

106 33.7 26.0 39.0



#67

m/p-Xylenes

Concen: 1.739 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008482.D

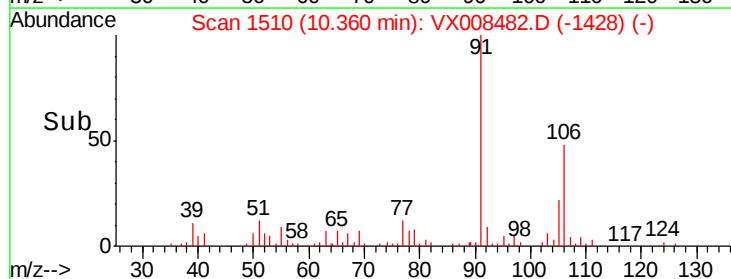
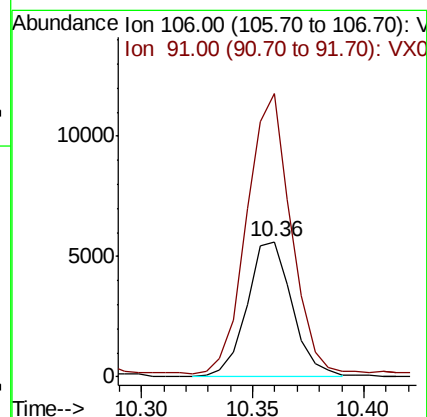
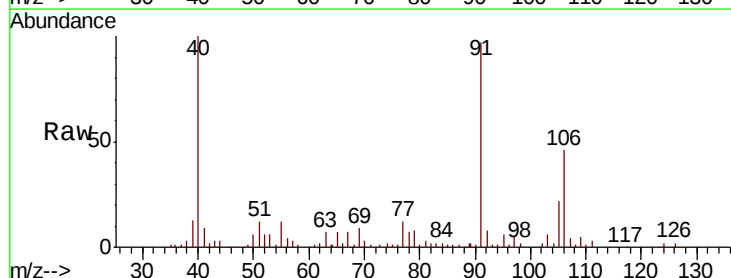
Acq: 27 Mar 2019 15:06

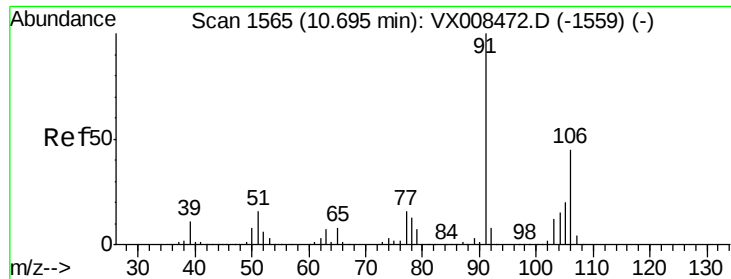
Tgt Ion: 106 Resp: 7927

Ion Ratio Lower Upper

106 100

91 200.8 157.0 235.4

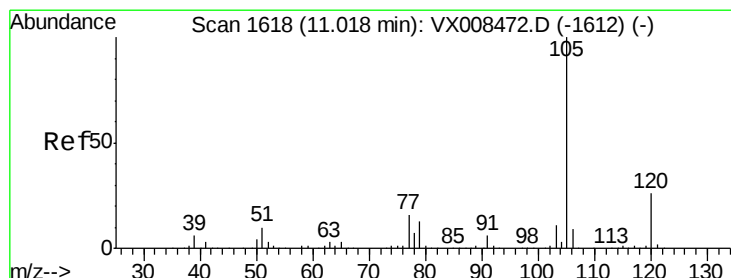
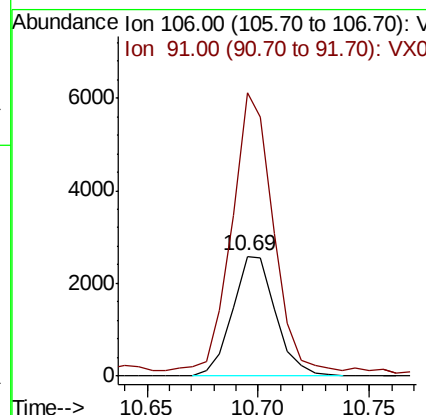
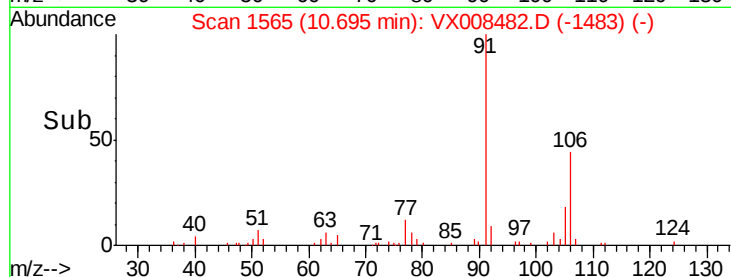
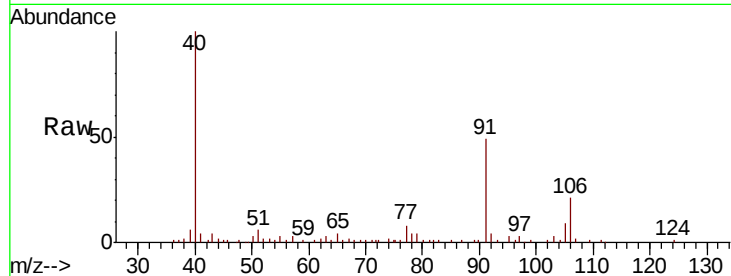




#68  
o-Xylene  
Concen: 0.785 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

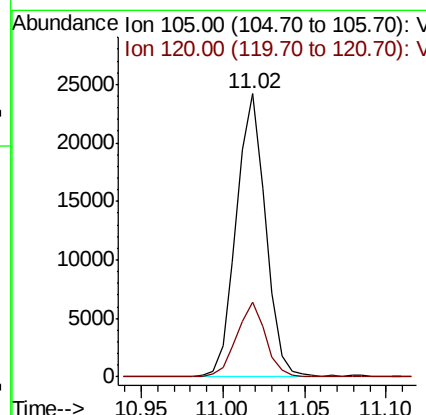
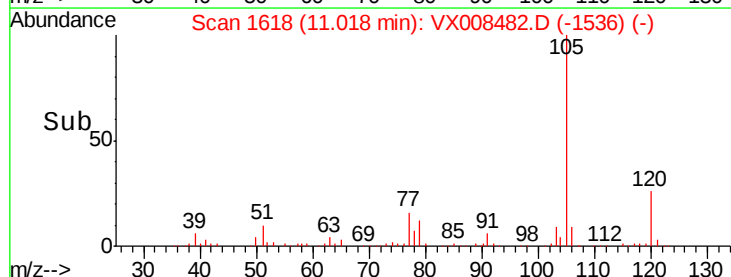
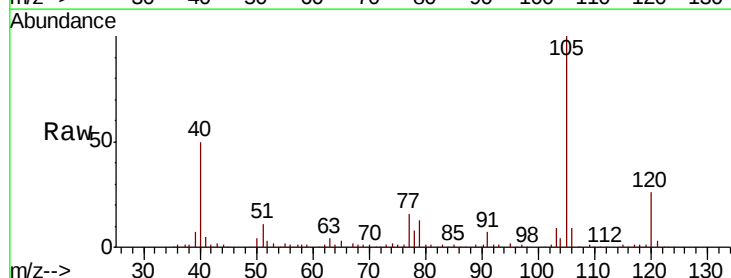
Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

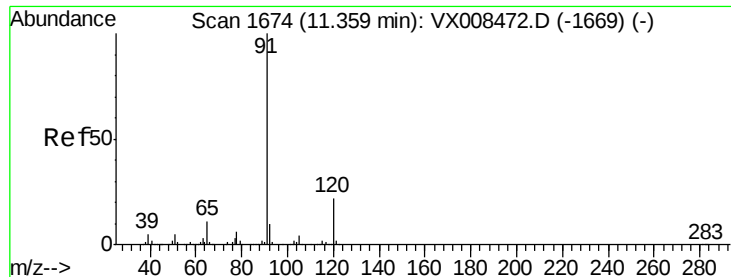
Tot Ion:106 Resp: 3503  
Ion Ratio Lower Upper  
106 100  
91 216.2 104.4 313.2



#70  
Isopropylbenzene  
Concen: 2.576 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

Tgt Ion:105 Resp: 30312  
Ion Ratio Lower Upper  
105 100  
120 26.1 19.8 36.8





#74

n-propylbenzene

Concen: 8.690 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

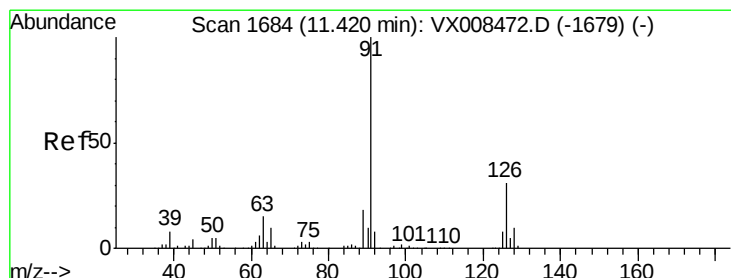
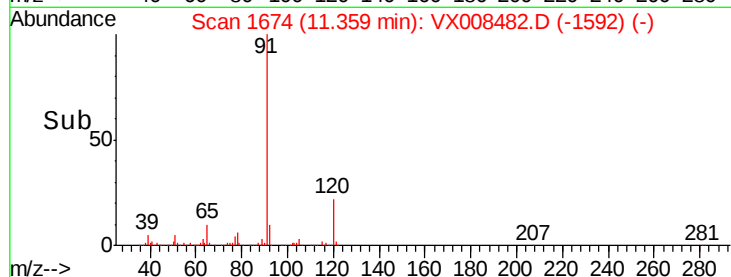
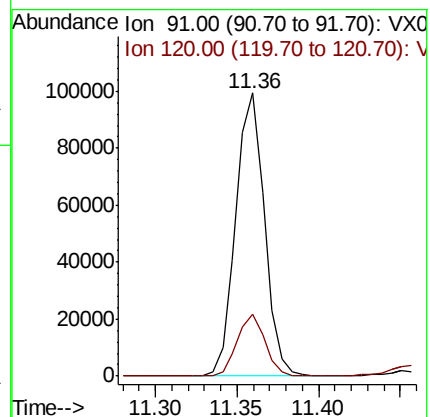
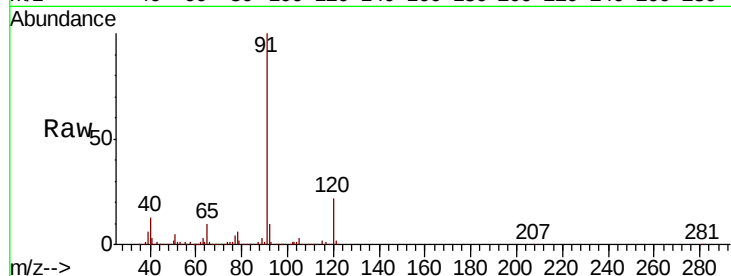
SHORE-RD-CLVRT-STLD-1H-A

Tot Ion: 91 Resp: 121826

Ion Ratio Lower Upper

91 100

120 21.3 0.0 48.6



#75

2-Chlorotoluene

Concen: 0.288 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VX008482.D

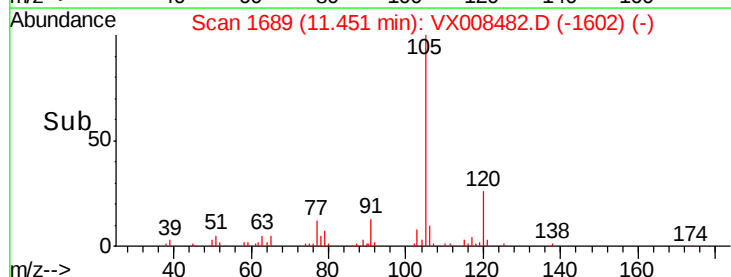
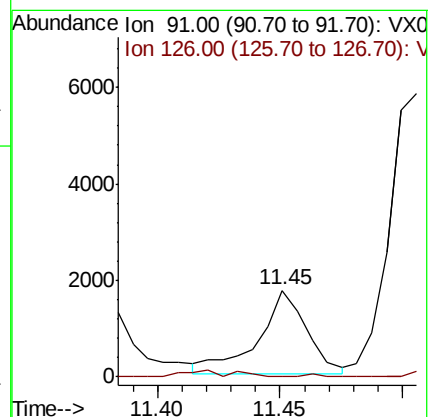
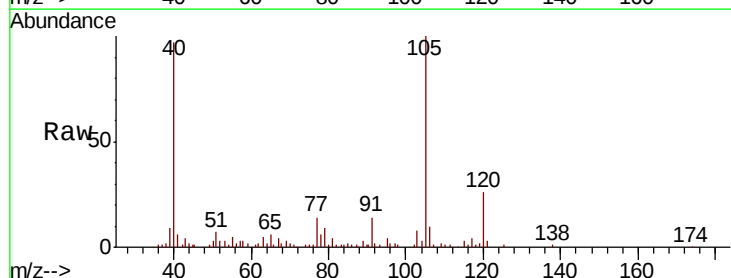
Acq: 27 Mar 2019 15:06

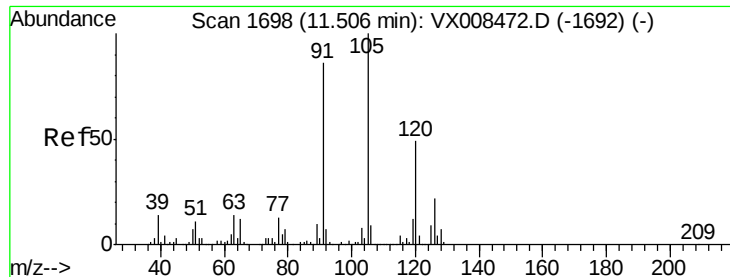
Tgt Ion: 91 Resp: 2399

Ion Ratio Lower Upper

91 100

126 3.0 0.0 75.2





#76

1,3,5-Trimethylbenzene

Concen: 6.783 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

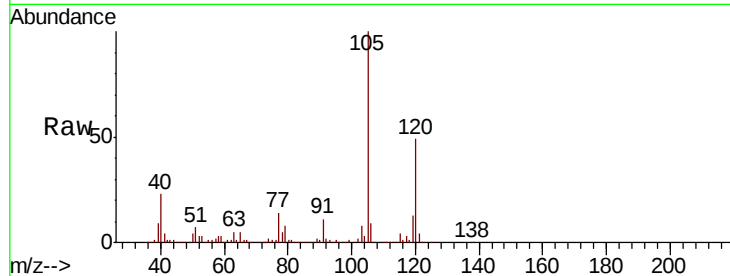
SHORE-RD-CLVRT-STLD-1H-A

Tot Ion:105 Resp: 68244

Ion Ratio Lower Upper

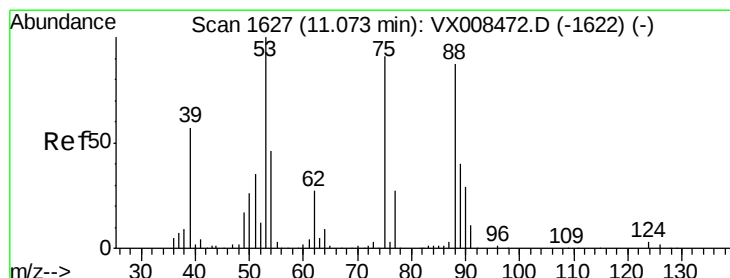
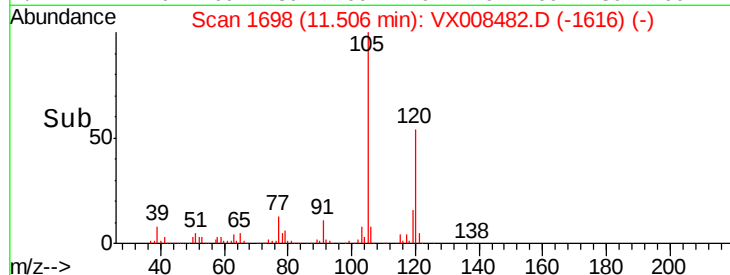
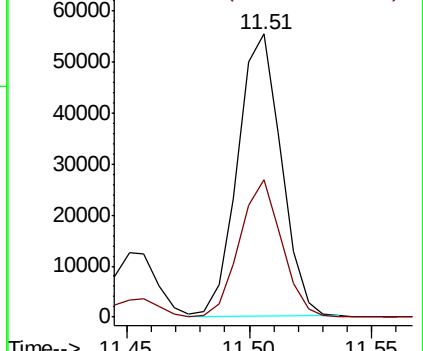
105 100

120 47.3 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 0.359 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

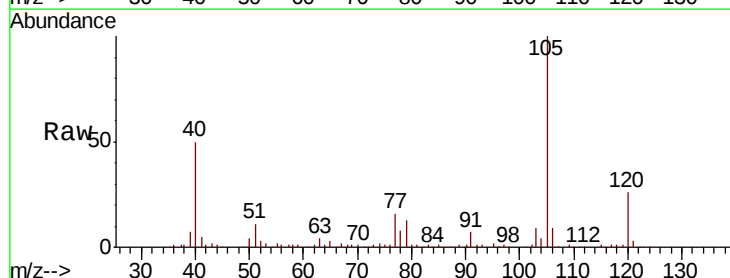
Tgt Ion: 75 Resp: 512

Ion Ratio Lower Upper

75 100

53 97.8 55.5 166.7

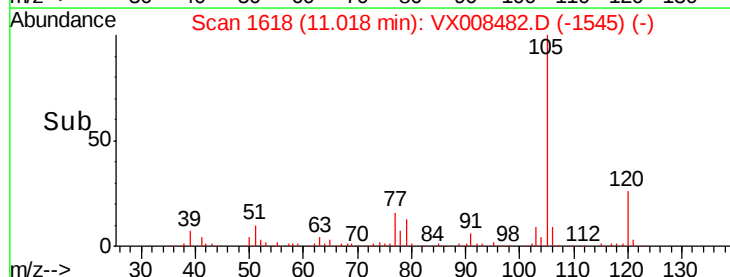
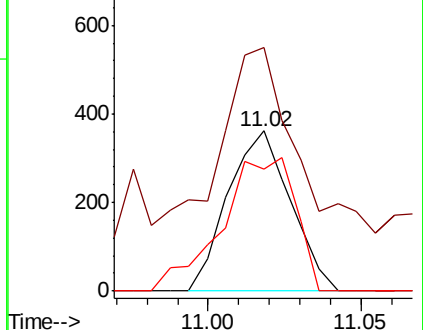
89 76.2 24.4 73.2#

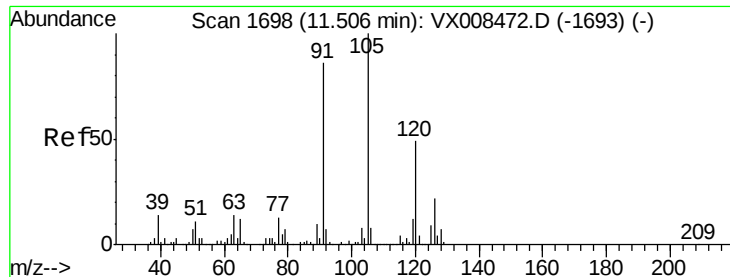


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

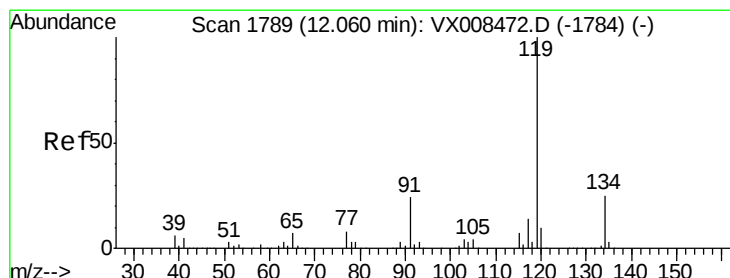
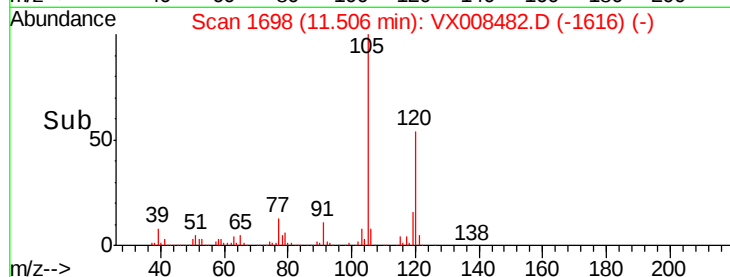
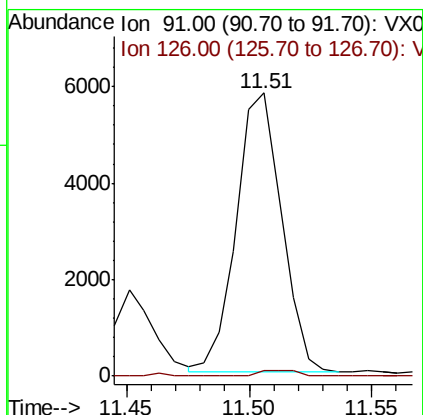
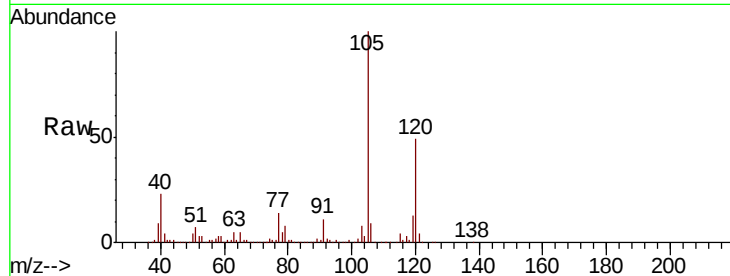




#78  
4-Chlorotoluene  
Concen: 0.777 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

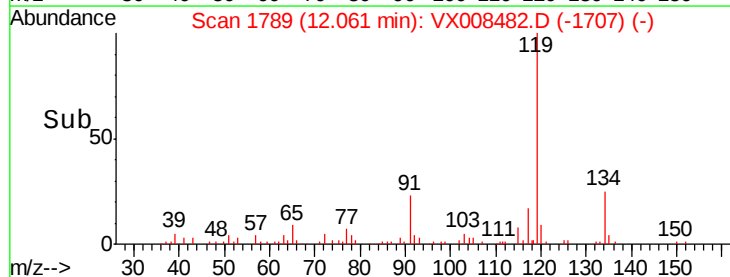
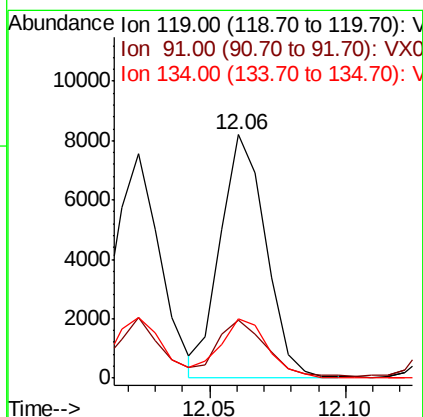
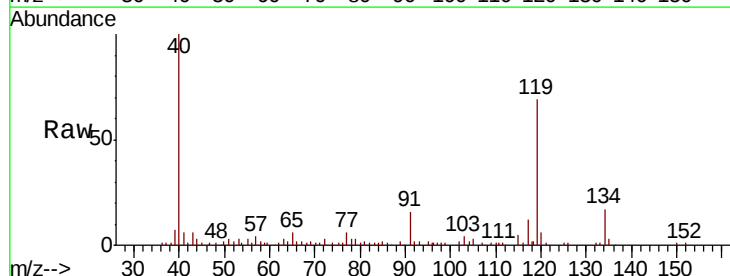
Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

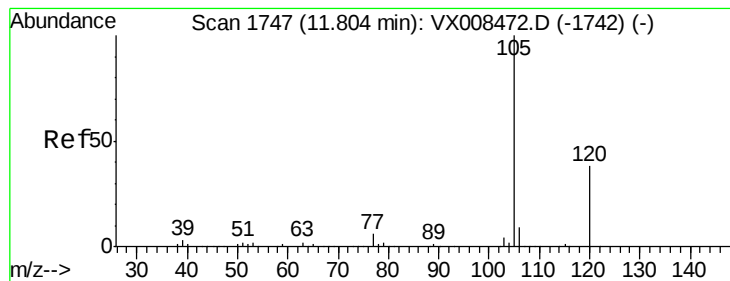
Tot Ion: 91 Resp: 7454  
Ion Ratio Lower Upper  
91 100  
126 1.7 0.0 66.2



#79  
tert-butylbenzene  
Concen: 0.919 ug/l  
RT: 12.06 min Scan# 1789  
Delta R.T. 0.00 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

Tgt Ion: 119 Resp: 9453  
Ion Ratio Lower Upper  
119 100  
91 24.1 0.0 45.0  
134 26.3 0.0 55.4





#80

1,2,4-Trimethylbenzene

Concen: 0.878 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008482.D

Acq: 27 Mar 2019 15:06

Instrument :

MSVOA\_X

ClientSampleId :

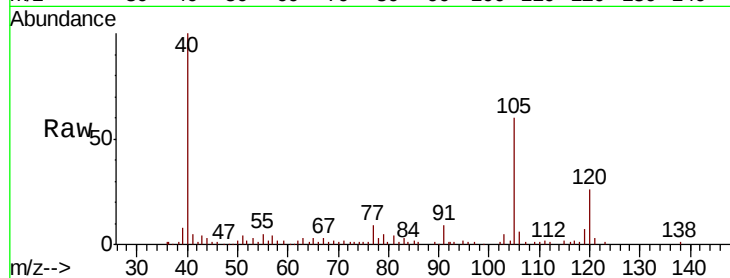
SHORE-RD-CLVRT-STLD-1H-A

Tot Ion:105 Resp: 8806

Ion Ratio Lower Upper

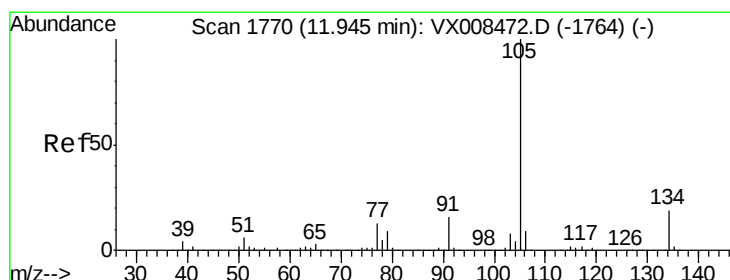
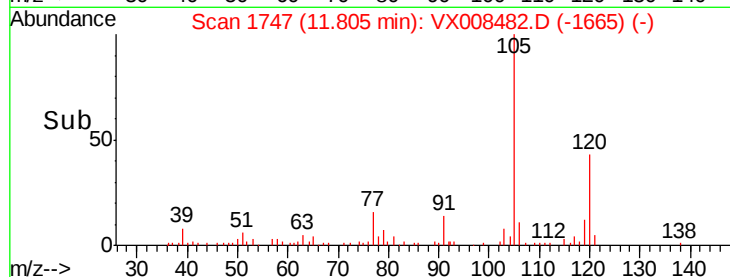
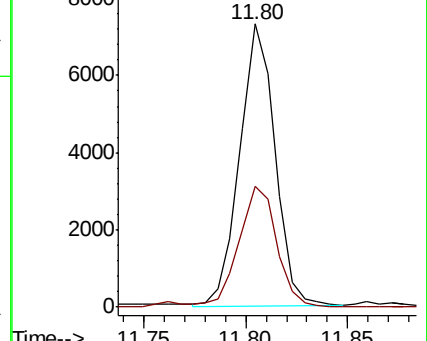
105 100

120 46.1 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 1.697 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008482.D

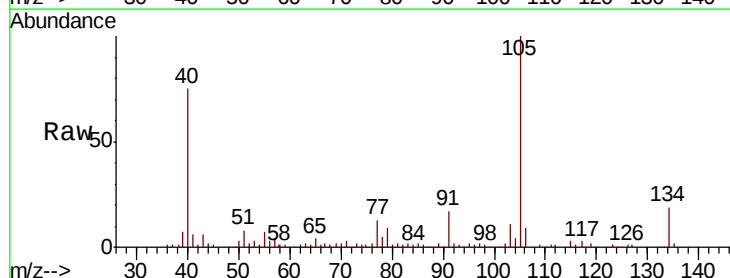
Acq: 27 Mar 2019 15:06

Tgt Ion:105 Resp: 19509

Ion Ratio Lower Upper

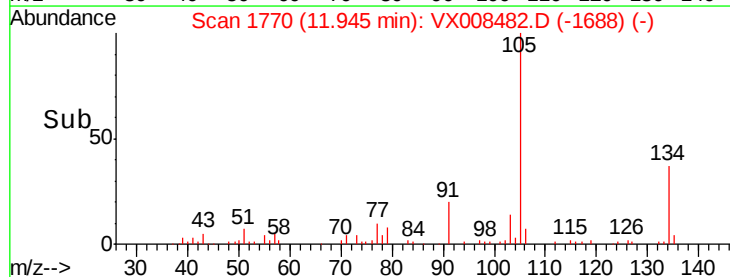
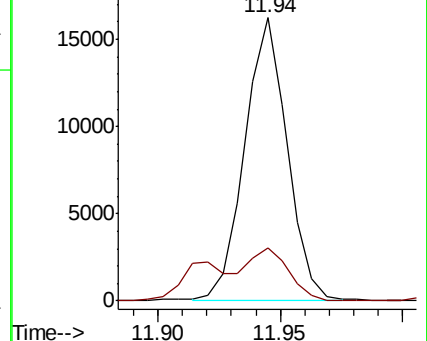
105 100

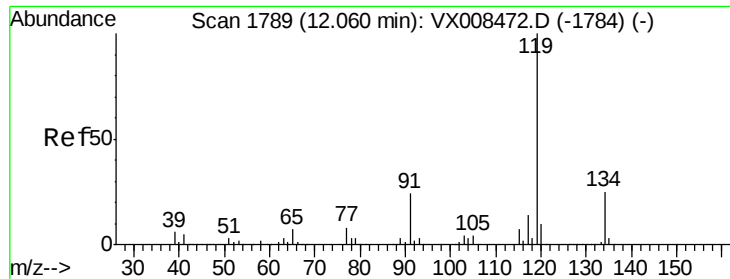
134 17.1 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

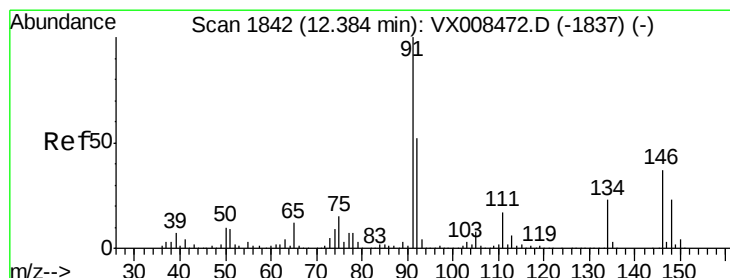
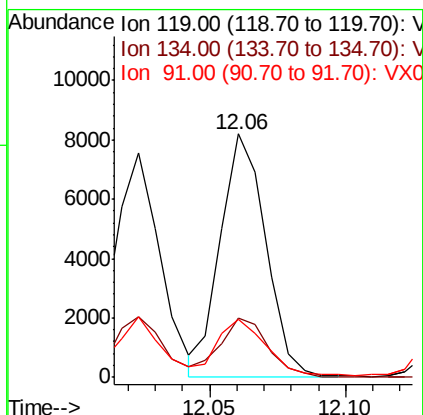
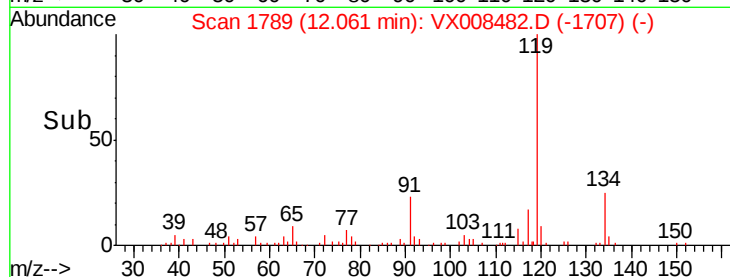
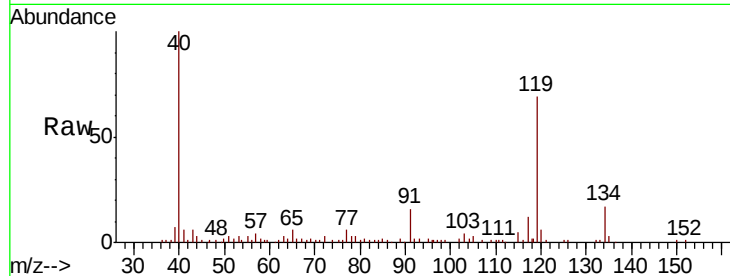




#82  
p-Isopropyltoluene  
Concen: 0.919 ug/l  
RT: 12.06 min Scan# 1789  
Delta R.T. 0.00 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

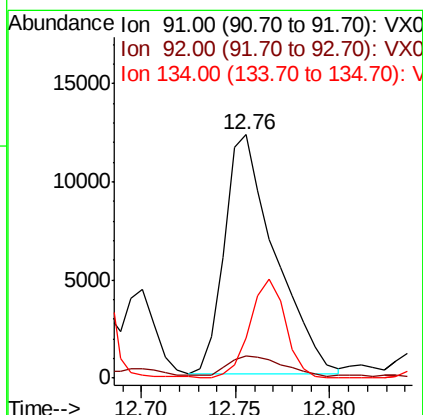
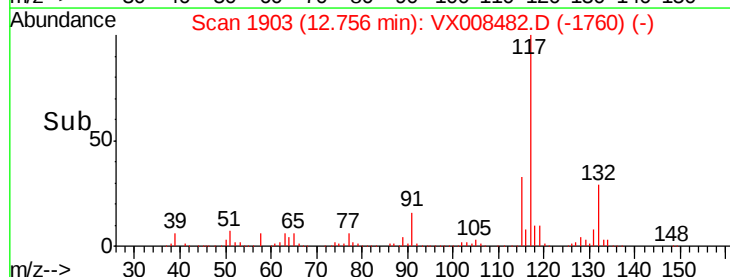
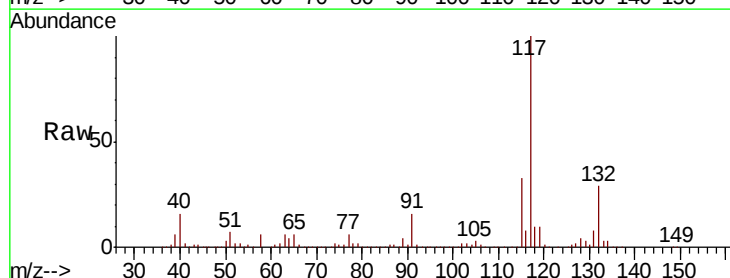
Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

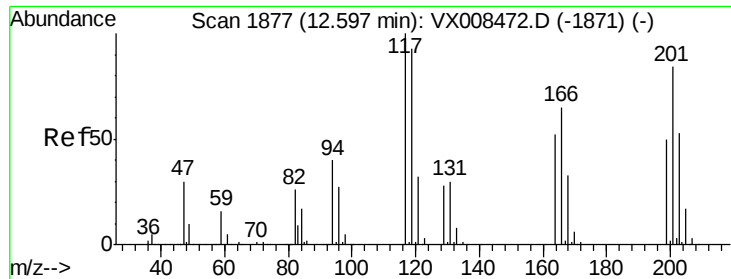
Tot Ion:119 Resp: 9453  
Ion Ratio Lower Upper  
119 100  
134 26.3 0.0 55.4  
91 24.1 0.0 45.0



#85  
n-Butylbenzene  
Concen: 2.316 ug/l  
RT: 12.76 min Scan# 1903  
Delta R.T. 0.37 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

Tgt Ion: 91 Resp: 22627  
Ion Ratio Lower Upper  
91 100  
92 8.8 0.0 105.2  
134 29.3 0.0 56.4

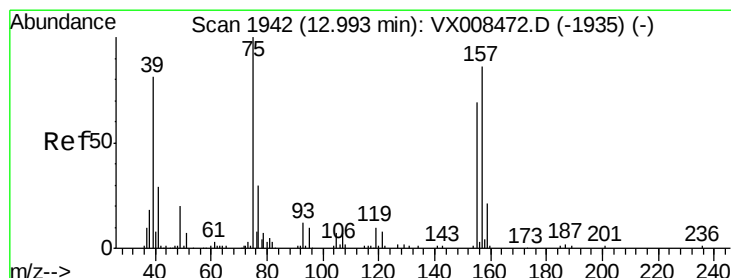
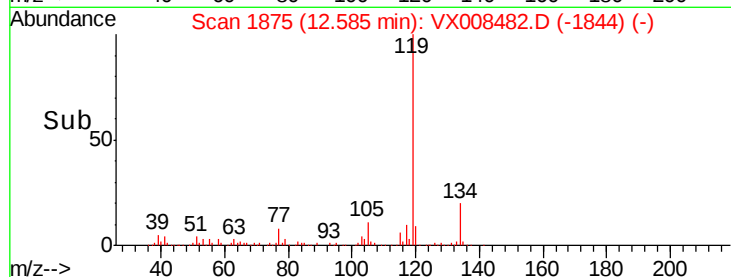
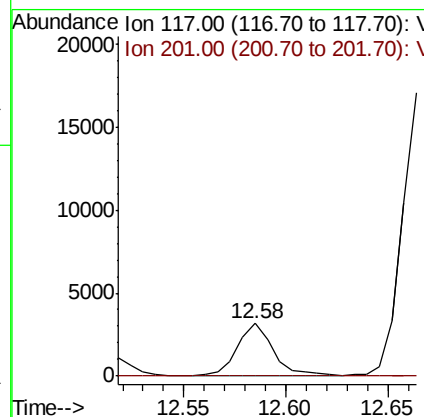
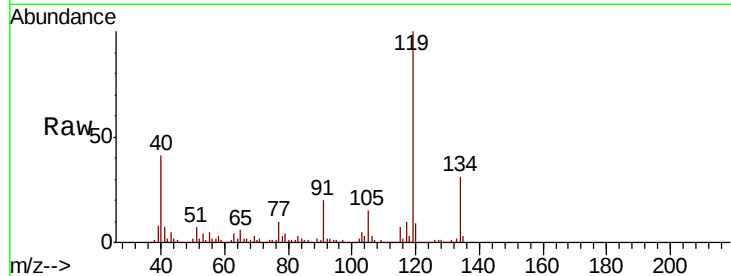




#86  
Hexachloroethane  
Concen: 2.161 ug/l  
RT: 12.58 min Scan# 1875  
Delta R.T. -0.01 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

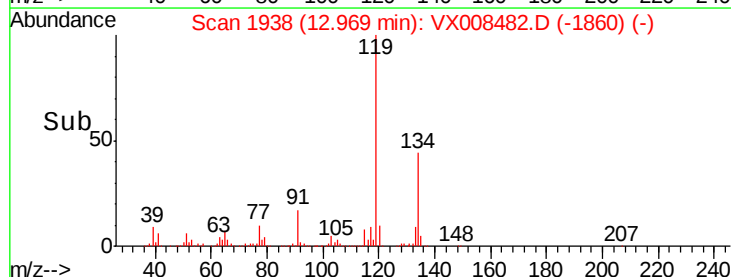
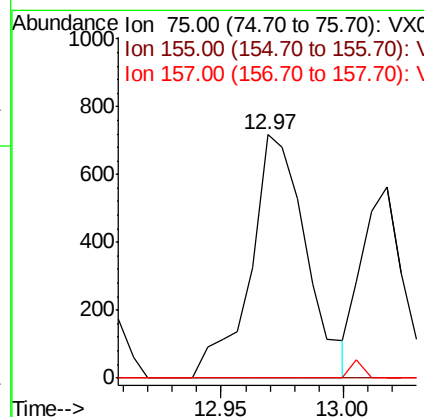
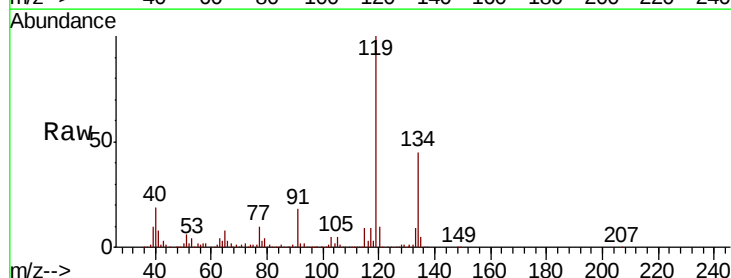
Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

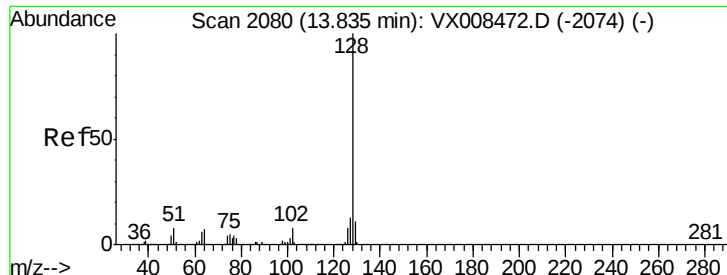
Tot Ion:117 Resp: 3713  
Ion Ratio Lower Upper  
117 100  
201 0.0 41.1 123.3#



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 1.161 ug/l  
RT: 12.97 min Scan# 1938  
Delta R.T. -0.02 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

Tgt Ion: 75 Resp: 1131  
Ion Ratio Lower Upper  
75 100  
155 0.0 81.0 121.6#  
157 0.0 103.2 154.8#

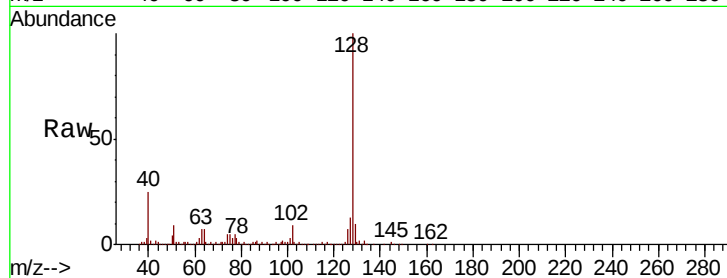




#91  
Naphthalene  
Concen: 5.334 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX008482.D  
Acq: 27 Mar 2019 15:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
SHORE-RD-CLVRT-STLD-1H-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.5  | 15.7  |
| 129     | 13.4  | 8.9   | 13.3  |



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

