

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062818\
 Data File : VX003012.D
 Acq On : 29 Jun 2018 04:29
 Operator : JC/MD
 Sample : J3720-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ULMER-PARK-TRIP-BLANK-1-6-25-

Quant Time: Jun 29 07:59:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	410765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	380005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	217128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	193418	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
35) Dibromofluoromethane	5.51	113	156340	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	8.72	98	573944	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.14	95	203520	44.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.86%	

Target Compounds

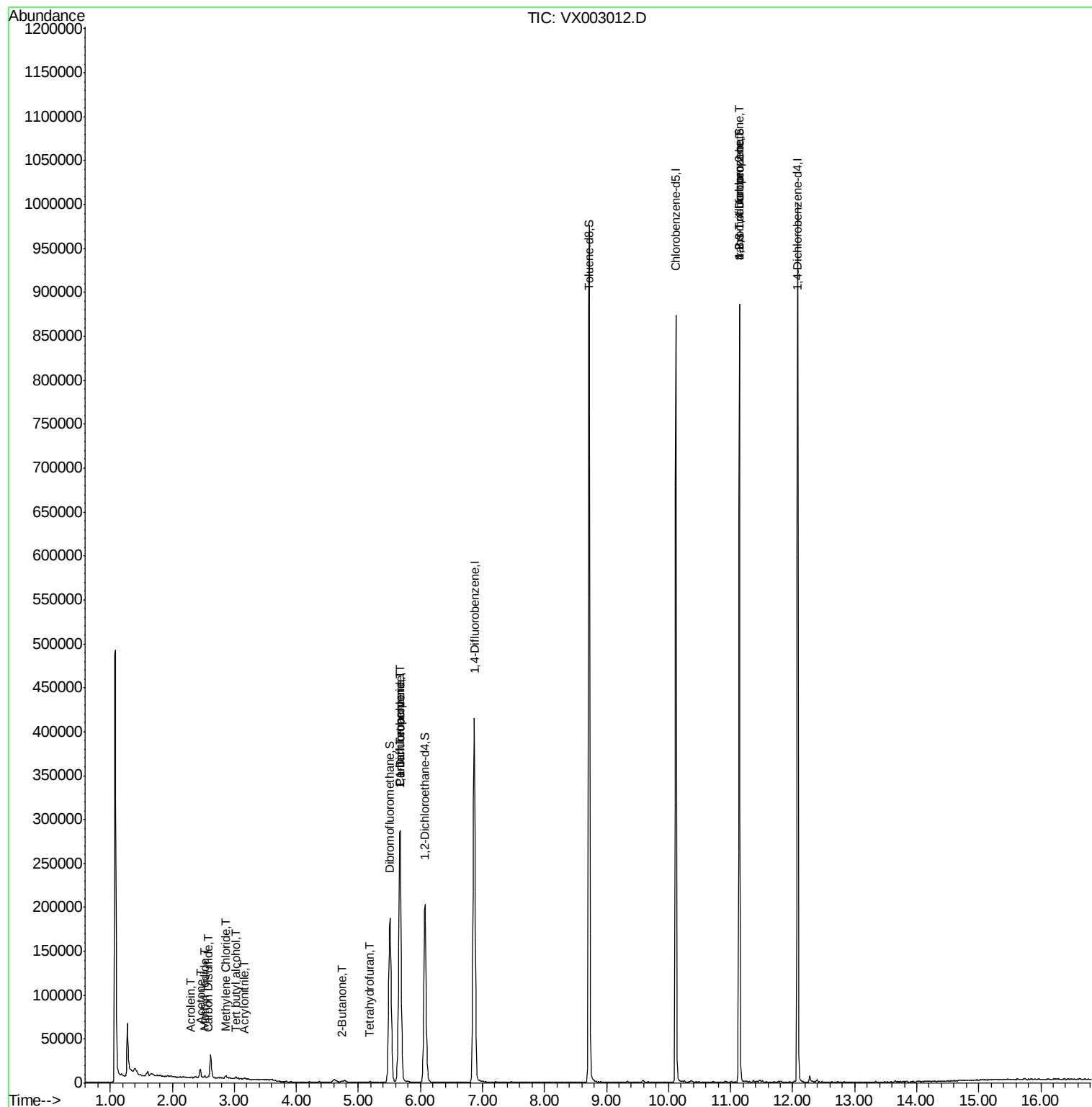
						Qvalue
2) Dichlorodifluoromethane	1.20	85	200	Below Cal	#	43
3) Chloromethane	1.32	50	1402	Below Cal		100
5) Bromomethane	1.65	94	2160	Below Cal		88
6) Chloroethane	1.73	64	484	Below Cal	#	65
10) Methyl Iodide	2.53	142	2440	6.87	ug/l #	94
11) Tert butyl alcohol	3.02	59	1247	1.54	ug/l #	73
13) Acrolein	2.29	56	121	4.49	ug/l #	1
15) Acrylonitrile	3.15	53	368	0.21	ug/l #	75
16) Acetone	2.45	43	10481	6.23	ug/l	97
17) Carbon Disulfide	2.57	76	1547	0.20	ug/l	96
20) Methylene Chloride	2.85	84	1234	0.38	ug/l #	82
25) 2-Butanone	4.73	43	669	0.27	ug/l #	52
29) Tetrahydrofuran	5.17	42	432	0.27	ug/l #	41
36) 1,1-Dichloropropene	5.66	75	18993	4.22	ug/l #	51
38) Carbon Tetrachloride	5.67	117	26030	5.27	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	105626	26.86	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	105626	76.04	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

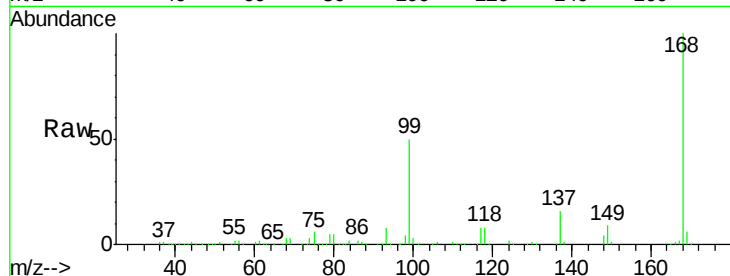
ULMER-PARK-TRIP-BLANK-1-6-25-

Tot Ion:168 Resp: 293759

Ion Ratio Lower Upper

168 100

99 49.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

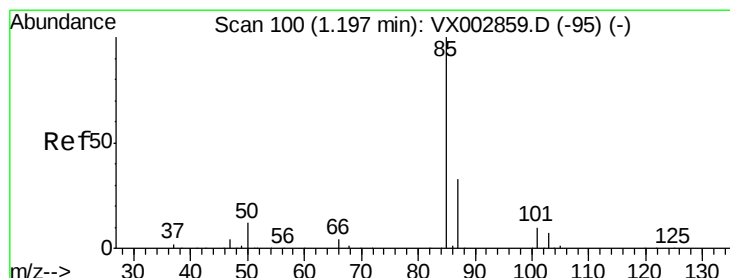
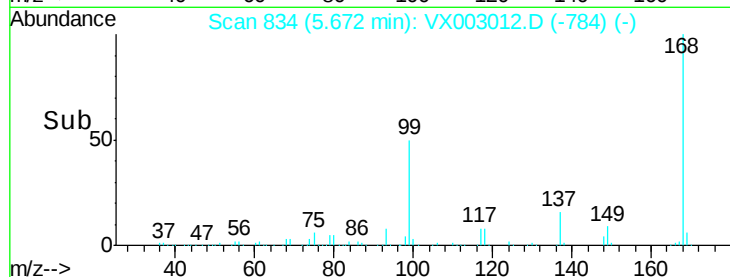
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003012.D

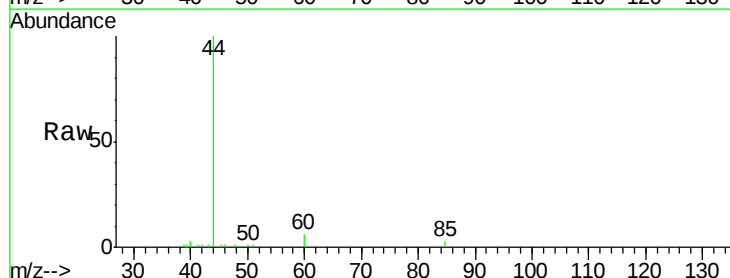
Acq: 29 Jun 2018 04:29

Tgt Ion: 85 Resp: 200

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200

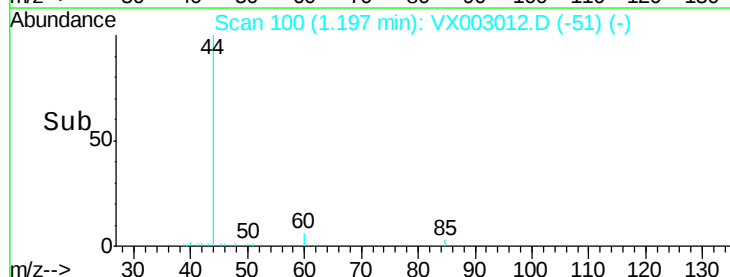
150

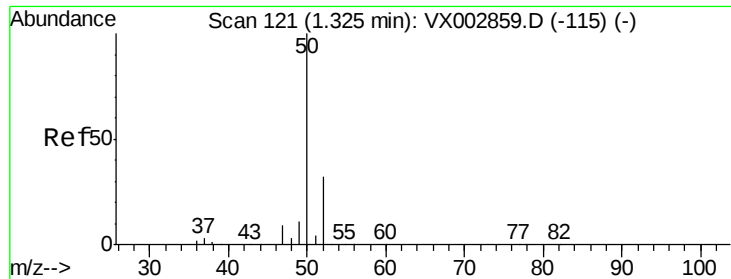
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

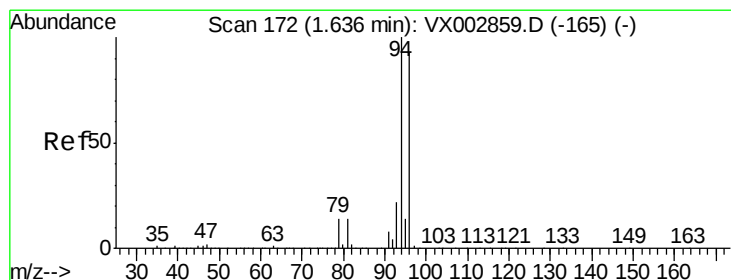
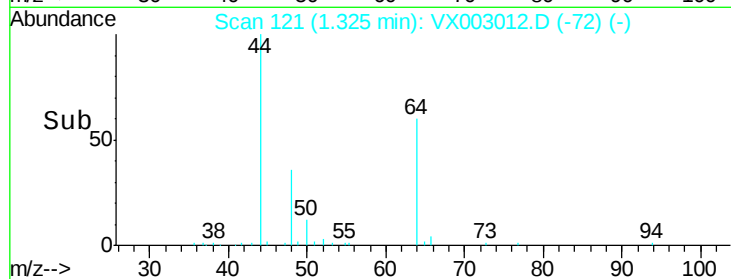
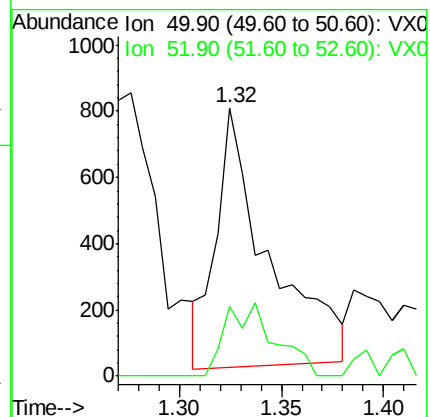
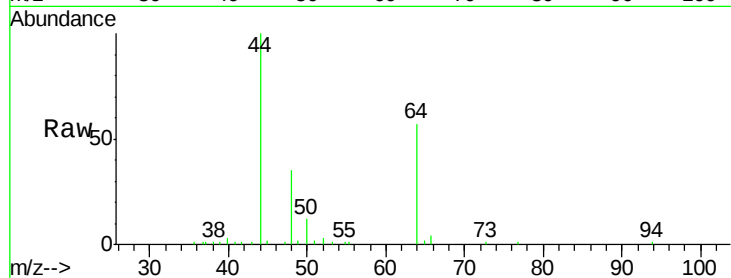
ULMER-PARK-TRIP-BLANK-1-6-25-

Tot Ion: 50 Resp: 1402

Ion Ratio Lower Upper

50 100

52 31.9 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003012.D

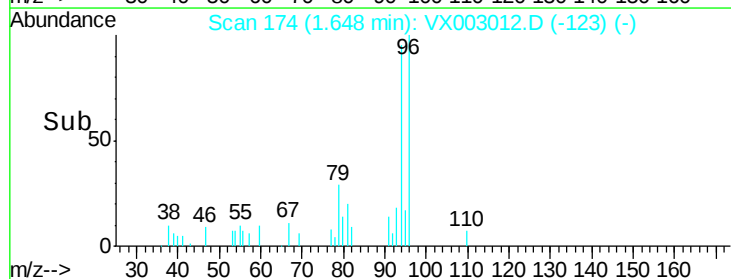
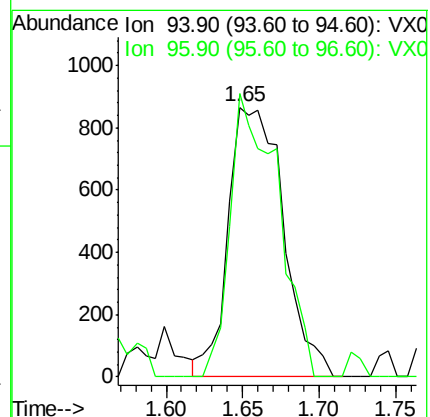
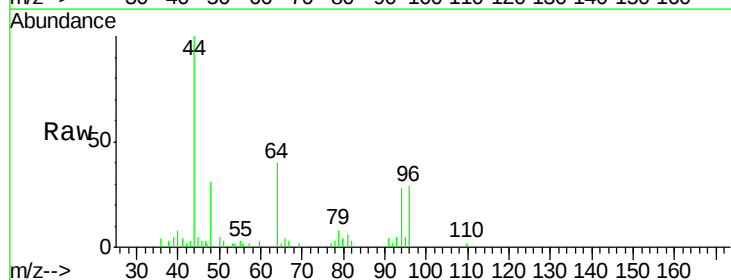
Acq: 29 Jun 2018 04:29

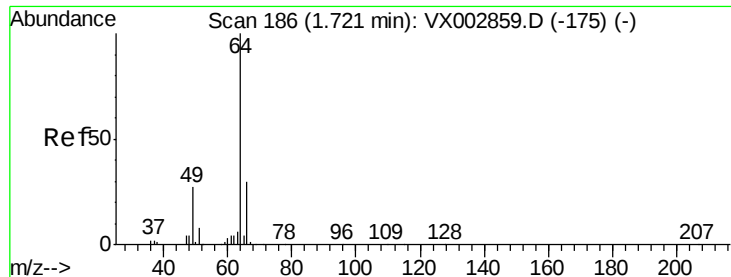
Tgt Ion: 94 Resp: 2160

Ion Ratio Lower Upper

94 100

96 105.1 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

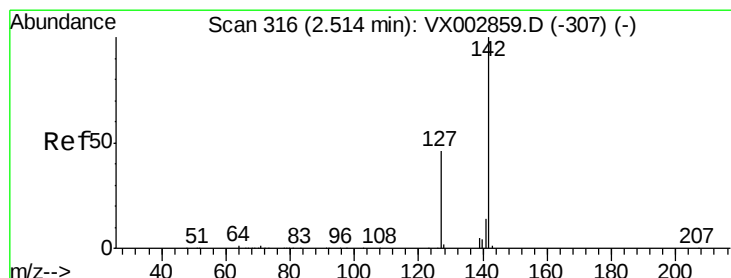
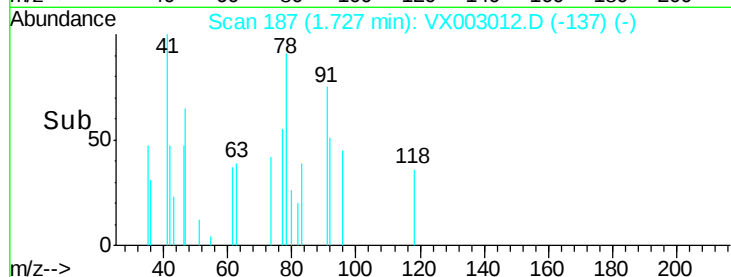
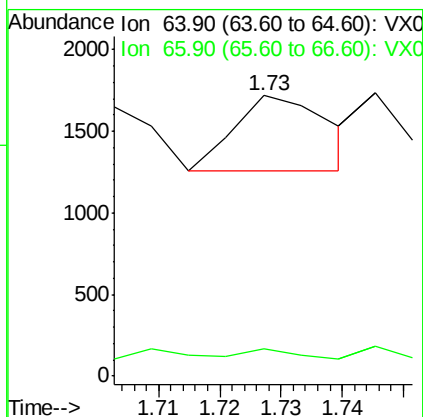
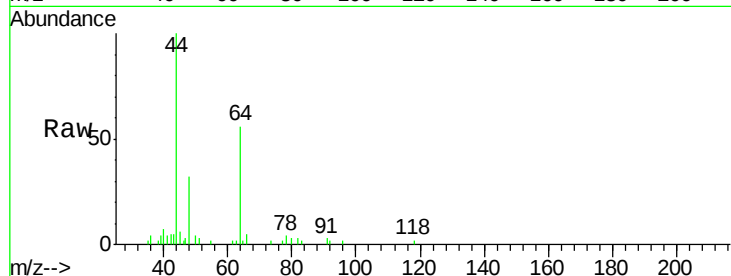
ULMER-PARK-TRIP-BLANK-1-6-25-

Tot Ion: 64 Resp: 484

Ion Ratio Lower Upper

64 100

66 12.4 25.5 38.3#



#10

Methyl Iodide

Concen: 6.87 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

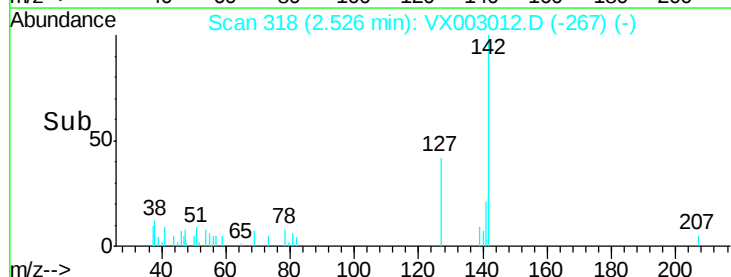
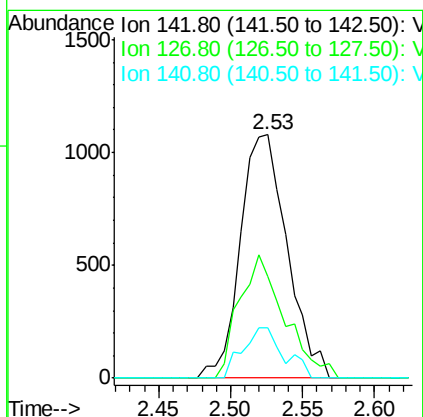
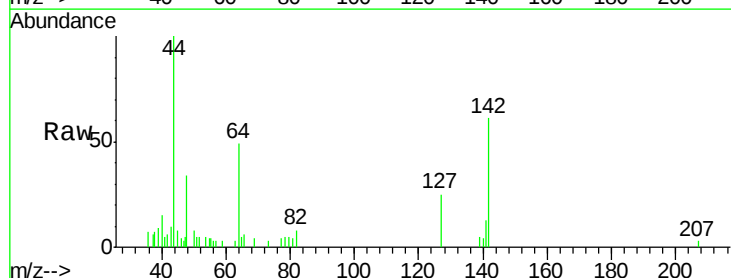
Tgt Ion:142 Resp: 2440

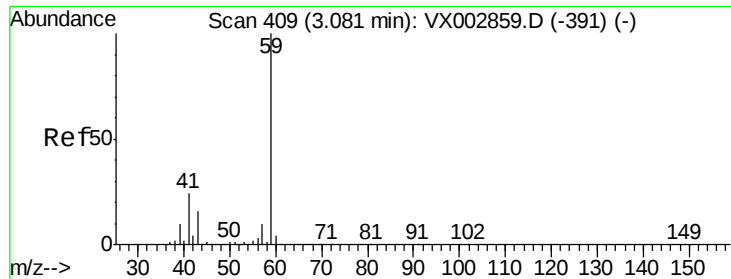
Ion Ratio Lower Upper

142 100

127 49.3 36.6 55.0

141 18.3 11.3 16.9#

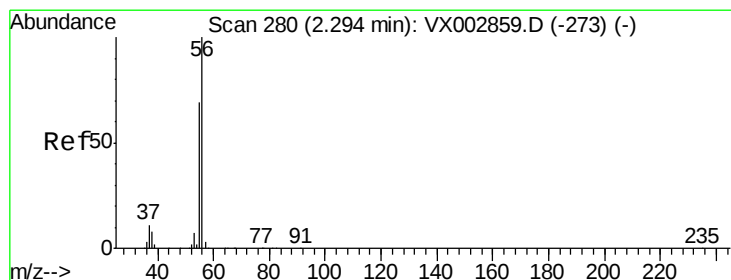
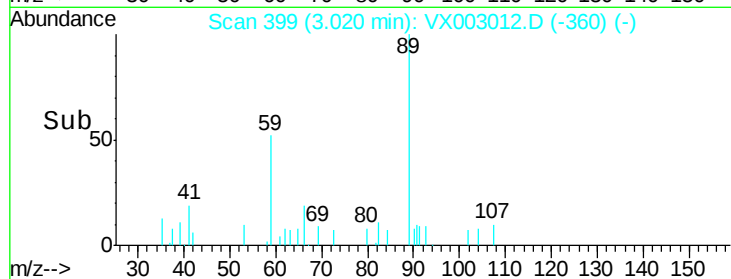
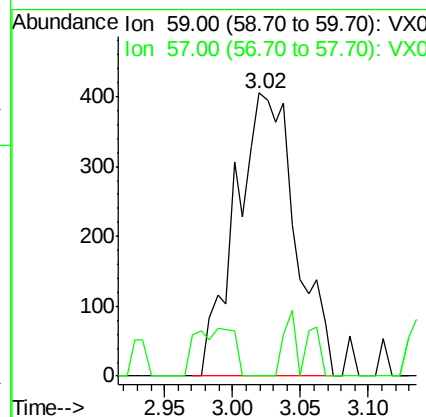
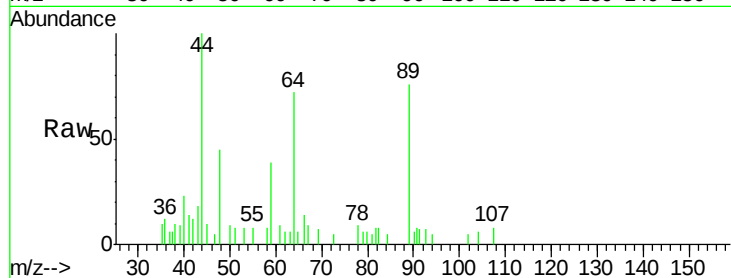




#11
Tert butyl alcohol
Concen: 1.54 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX003012.D
Acq: 29 Jun 2018 04:29

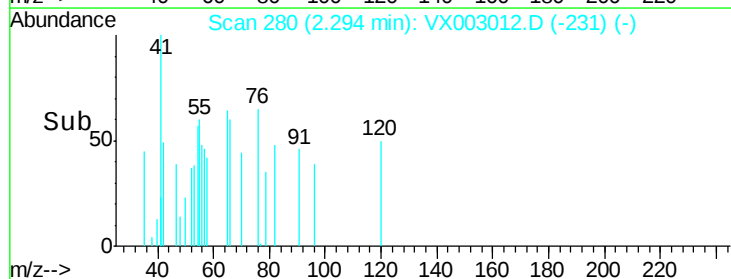
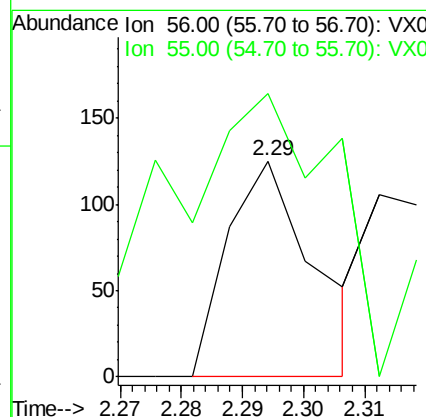
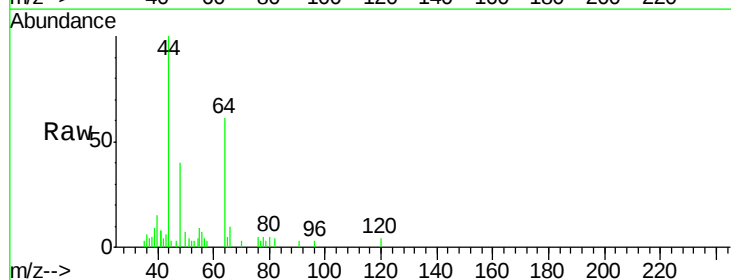
Instrument :
MSVOA_X
ClientSampleId :
ULMER-PARK-TRIP-BLANK-1-6-25-

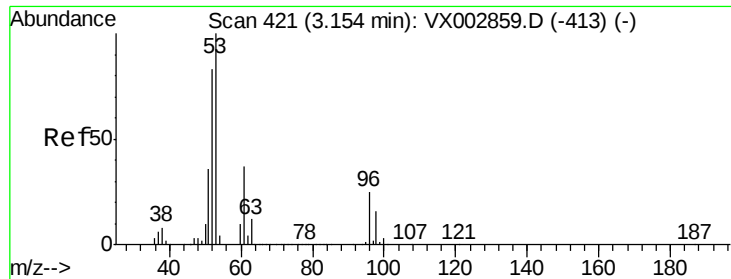
Tot Ion: 59 Resp: 1247
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 4.49 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003012.D
Acq: 29 Jun 2018 04:29

Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 233.9 57.0 85.4#





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

ULMER-PARK-TRIP-BLANK-1-6-25-

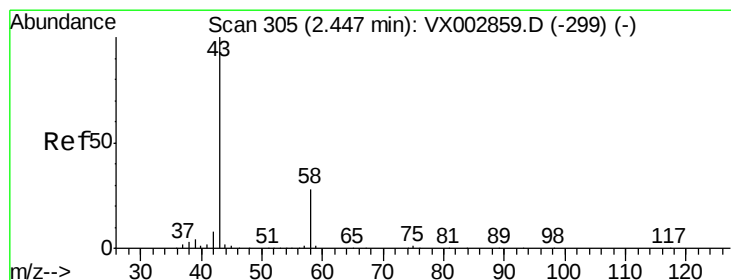
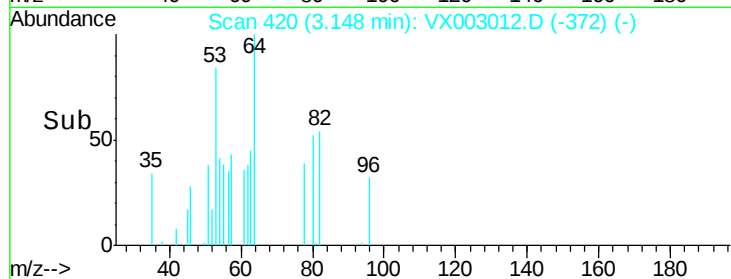
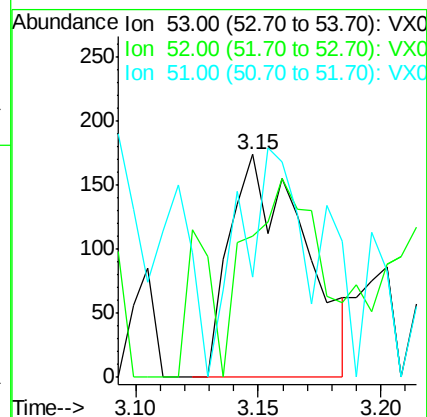
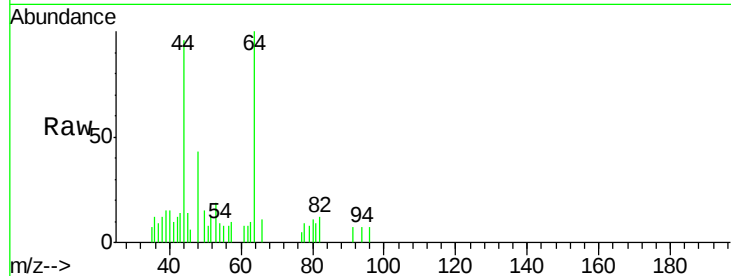
Tot Ion: 53 Resp: 368

Ion Ratio Lower Upper

53 100

52 86.7 66.7 100.1

51 81.8 29.9 44.9#



#16

Acetone

Concen: 6.23 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003012.D

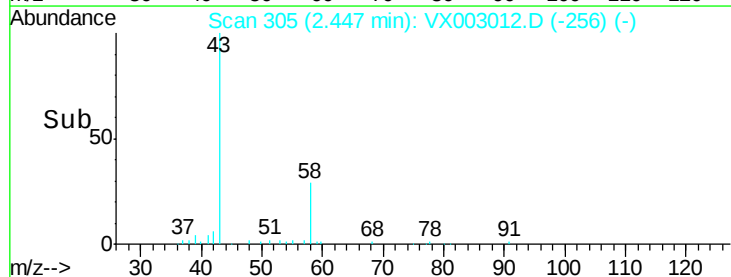
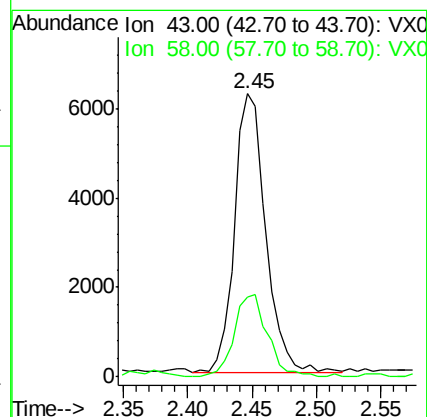
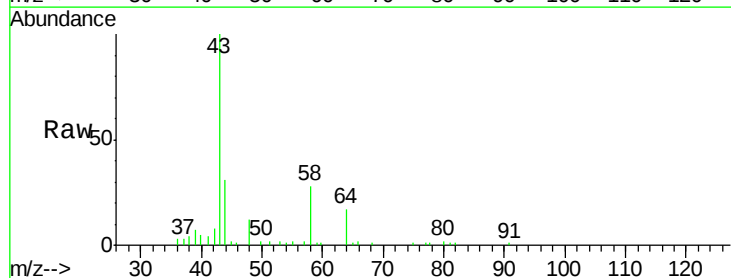
Acq: 29 Jun 2018 04:29

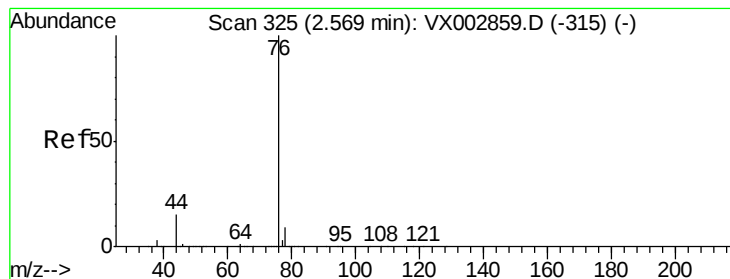
Tgt Ion: 43 Resp: 10481

Ion Ratio Lower Upper

43 100

58 28.9 22.1 33.1





#17

Carbon Disulfide

Concen: 0.20 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

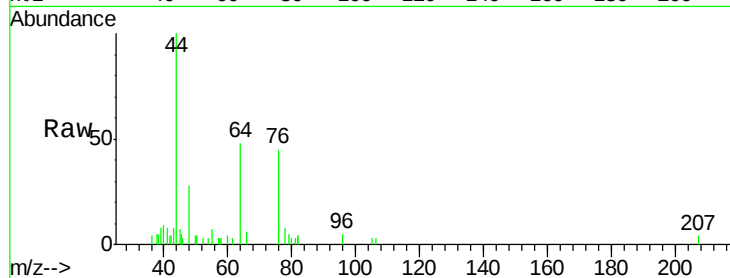
ULMER-PARK-TRIP-BLANK-1-6-25-

Tot Ion: 76 Resp: 1547

Ion Ratio Lower Upper

76 100

78 10.1 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

600

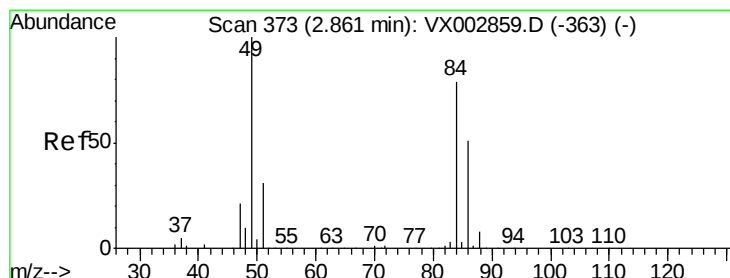
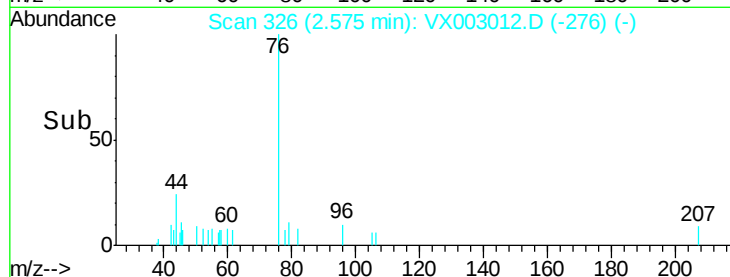
400

200

0

Time-->

2.50 2.55 2.60 2.65



#20

Methylene Chloride

Concen: 0.38 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Tgt Ion: 84 Resp: 1234

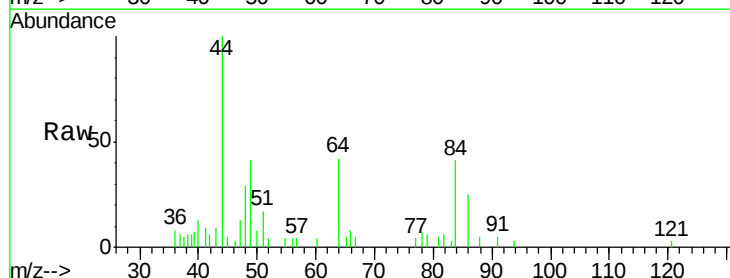
Ion Ratio Lower Upper

84 100

49 99.9 107.8 161.6#

51 42.1 32.8 49.2

86 62.4 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1200

1000

800

600

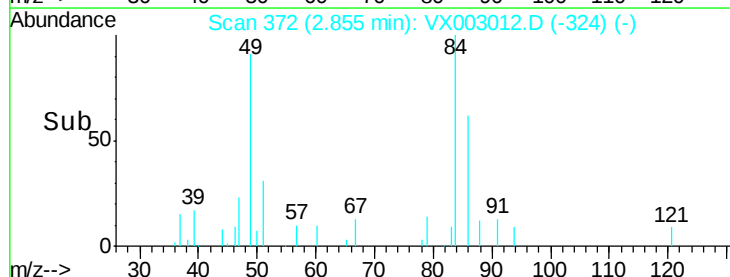
400

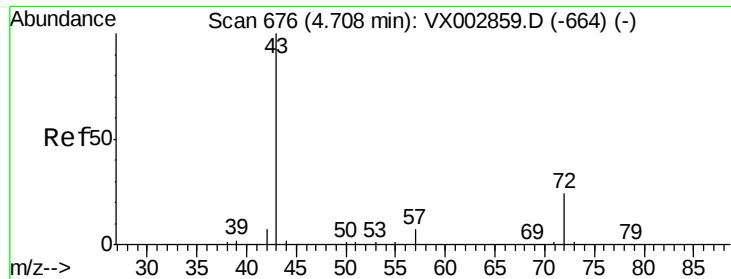
200

0

Time-->

2.80 2.85 2.90





#25

2-Butanone

Concen: 0.27 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

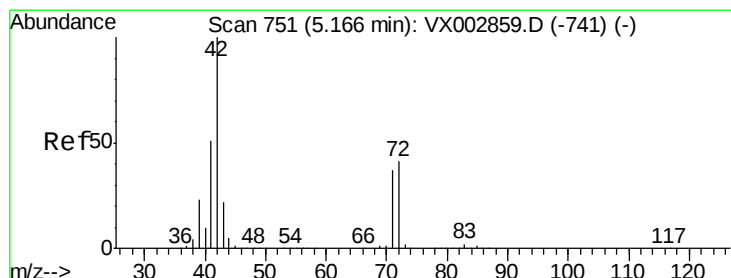
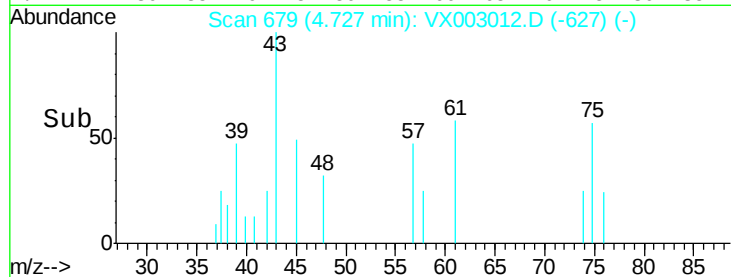
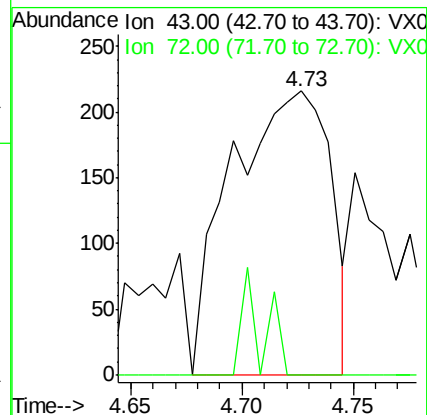
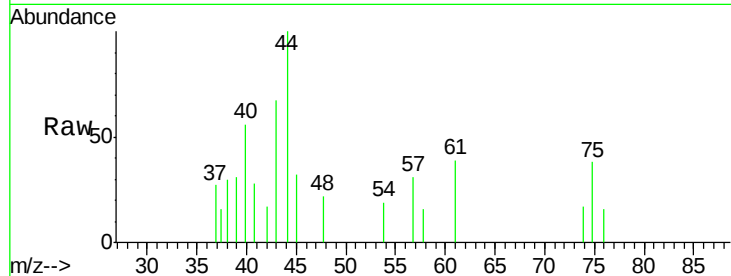
ULMER-PARK-TRIP-BLANK-1-6-25-

Tot Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

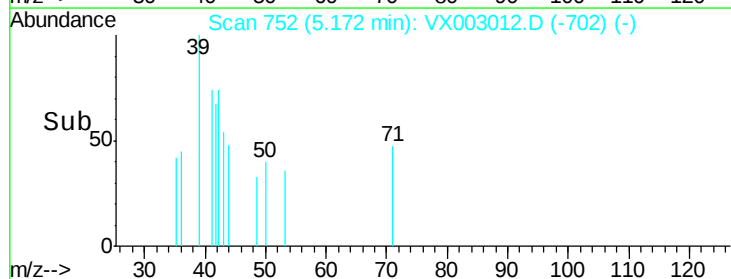
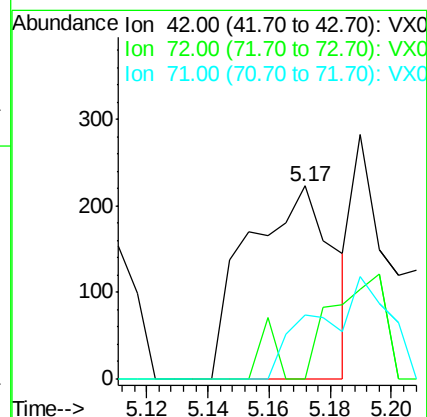
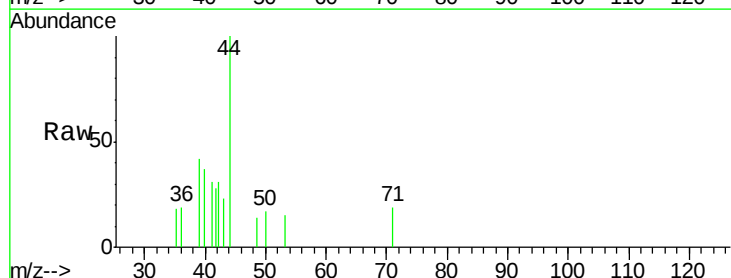
Tgt Ion: 42 Resp: 432

Ion Ratio Lower Upper

42 100

72 6.0 32.0 48.0#

71 0.0 30.1 45.1#

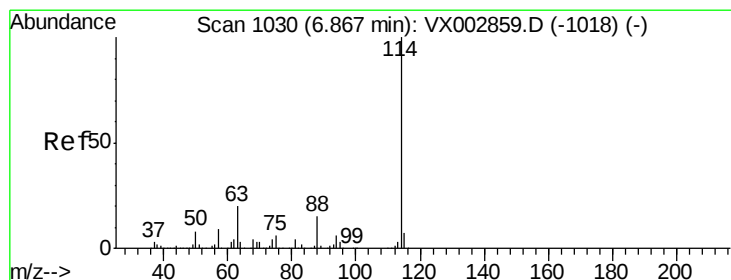
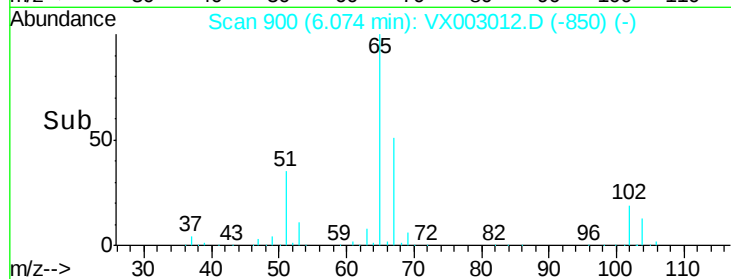
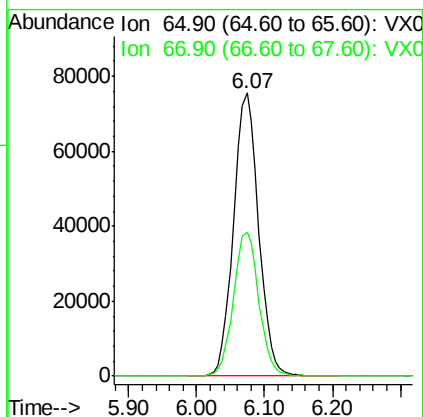
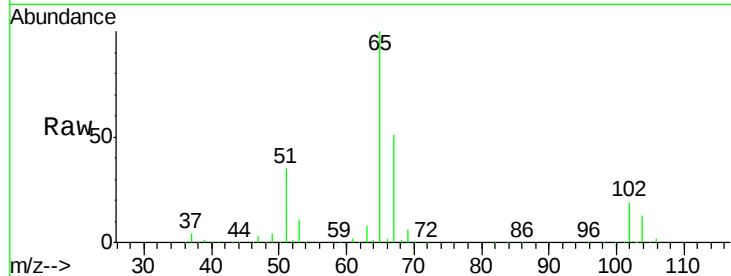




#33
 1,2-Dichloroethane-d4
 Concen: 47.64 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003012.D
 Acq: 29 Jun 2018 04:29

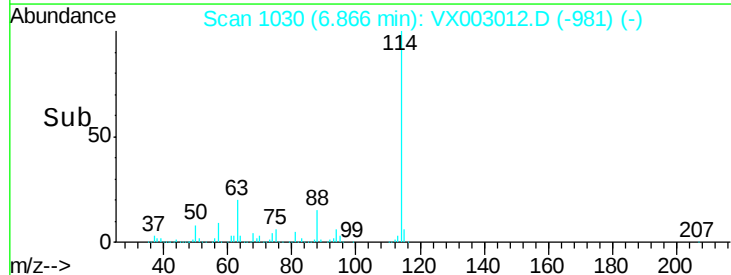
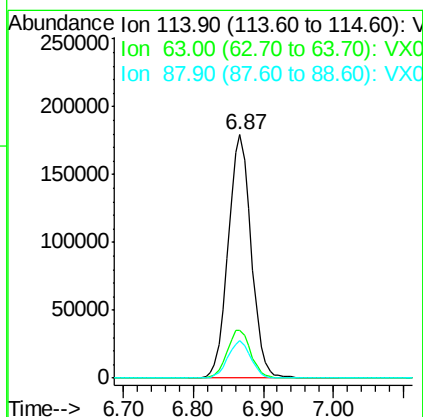
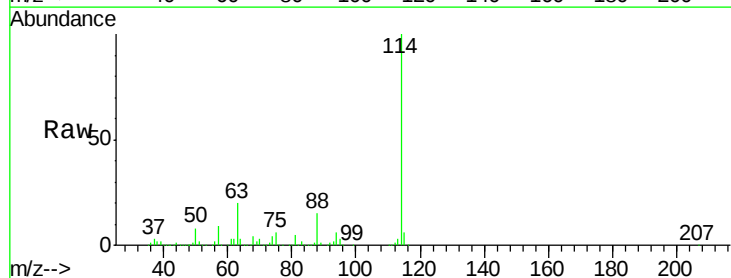
Instrument :
 MSVOA_X
 ClientSampleId :
 ULMER-PARK-TRIP-BLANK-1-6-25-

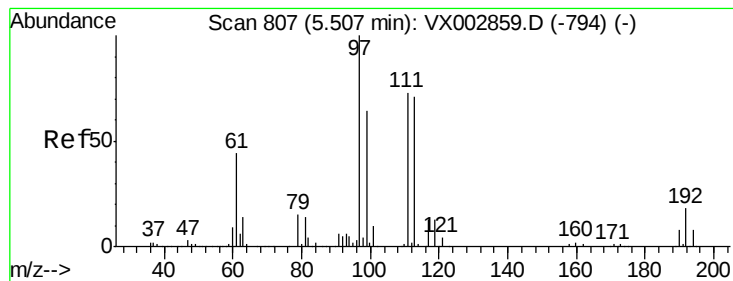
Tot Ion: 65 Resp: 193418
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003012.D
 Acq: 29 Jun 2018 04:29

Tgt Ion: 114 Resp: 410765
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.06 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

ULMER-PARK-TRIP-BLANK-1-6-25-

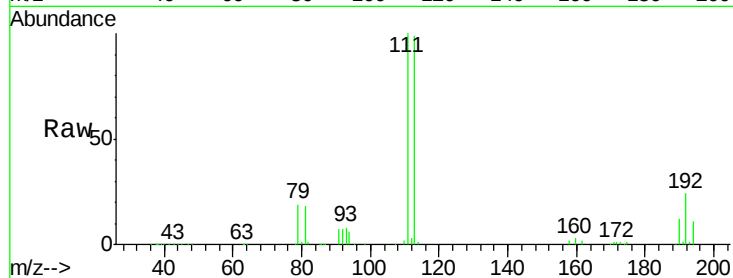
Tot Ion:113 Resp: 156340

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

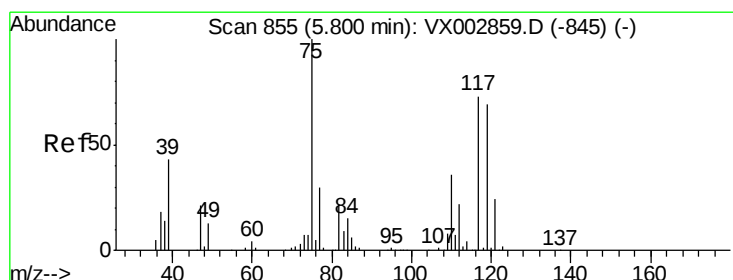
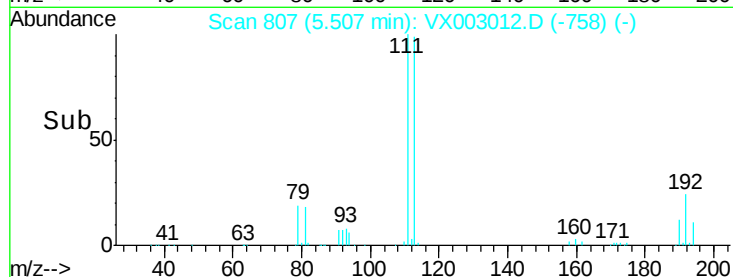
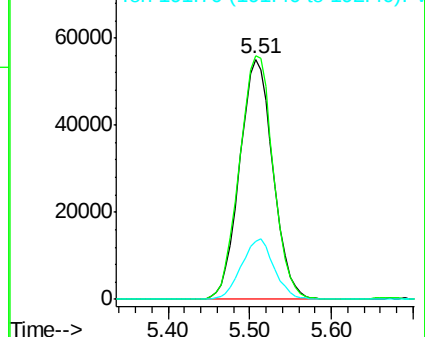
192 24.6 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.22 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

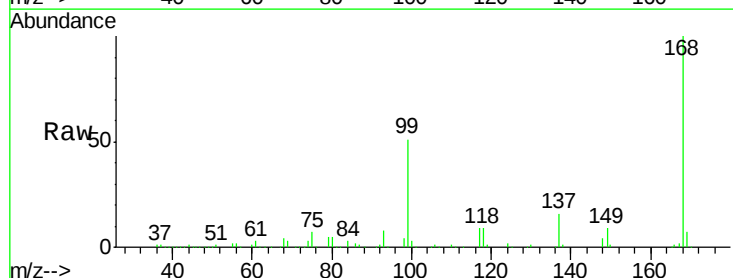
Tgt Ion: 75 Resp: 18993

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

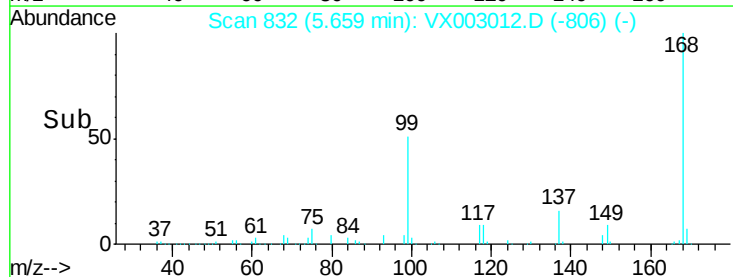
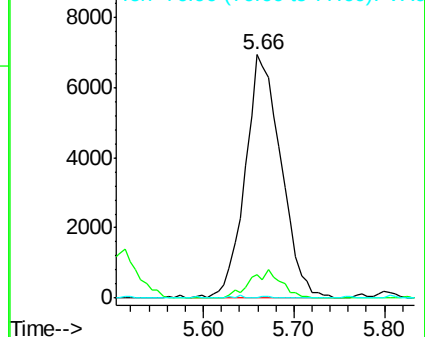
77 0.2 24.3 36.5#

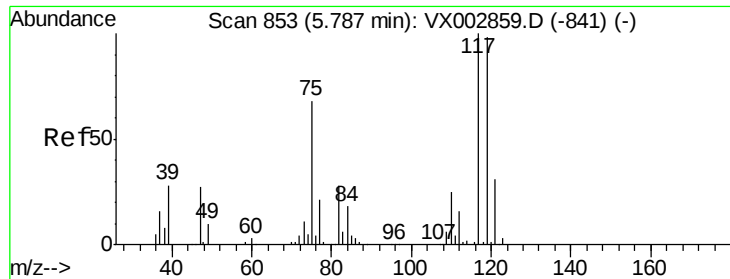


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.27 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

ULMER-PARK-TRIP-BLANK-1-6-25-

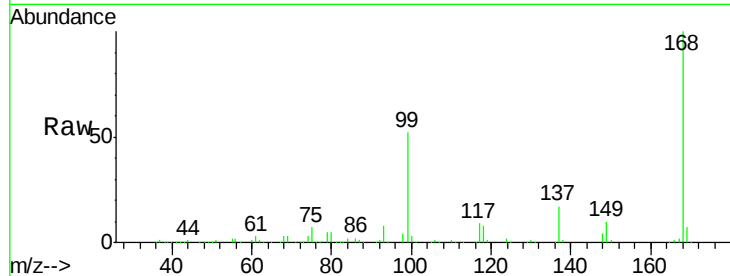
Tot Ion:117 Resp: 26030

Ion Ratio Lower Upper

117 100

119 6.7 77.4 116.0#

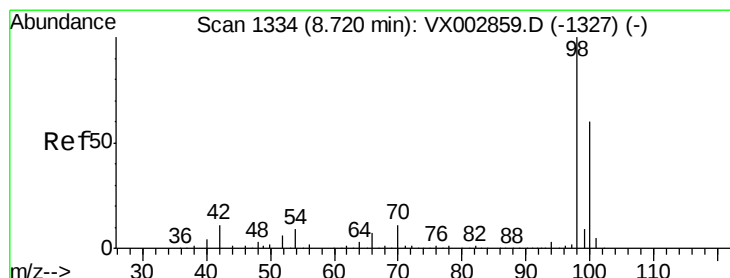
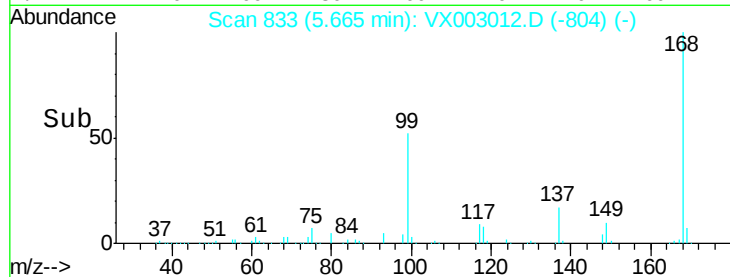
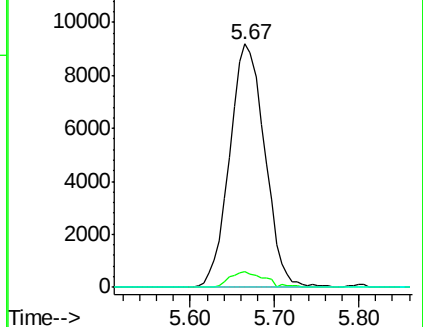
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.32 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003012.D

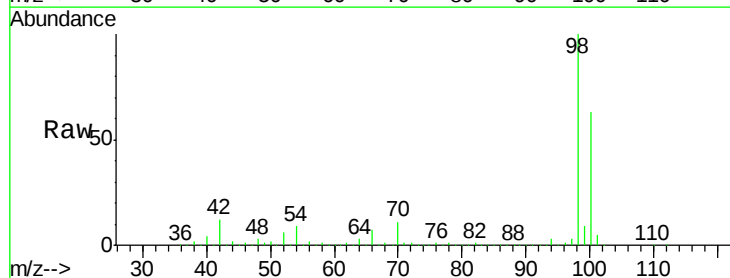
Acq: 29 Jun 2018 04:29

Tgt Ion: 98 Resp: 573944

Ion Ratio Lower Upper

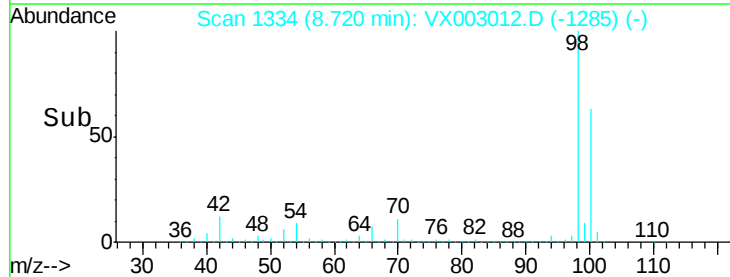
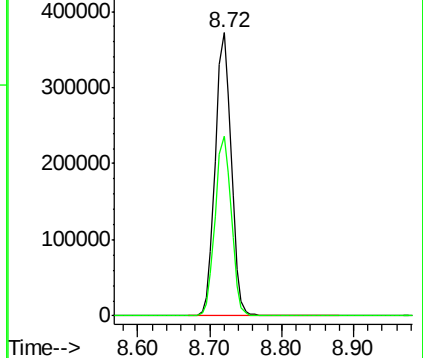
98 100

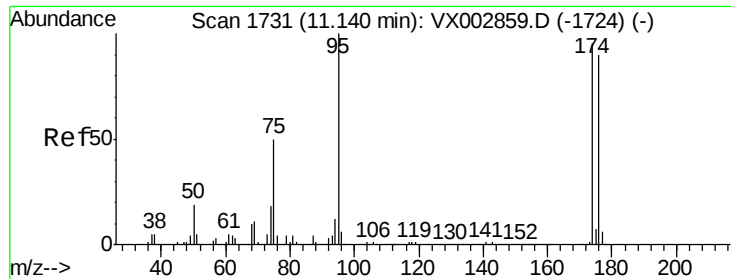
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

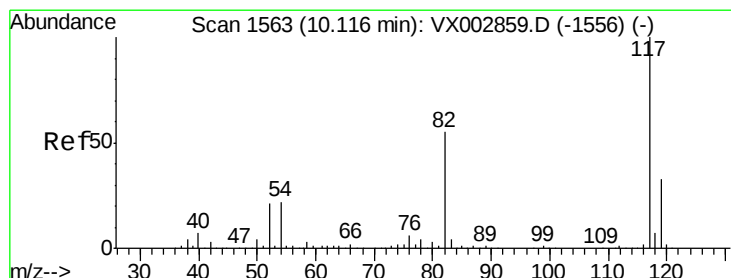
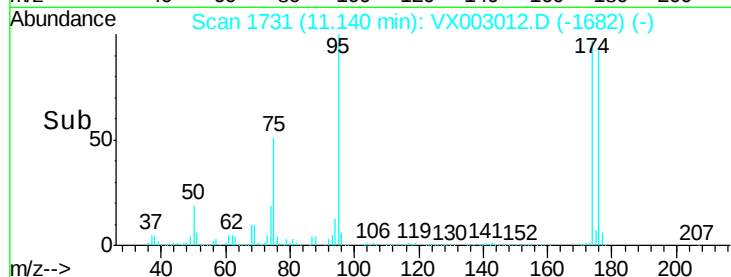
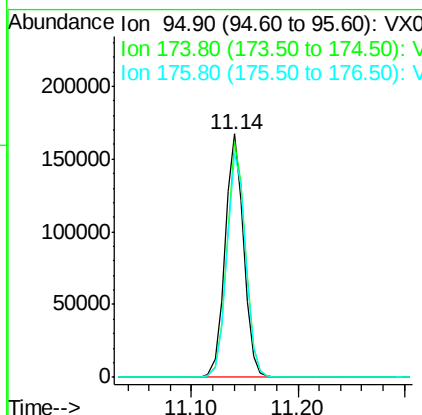
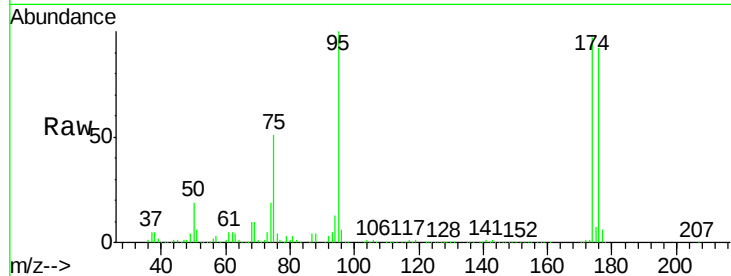




#62
4-Bromofluorobenzene
Concen: 44.43 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003012.D
Acq: 29 Jun 2018 04:29

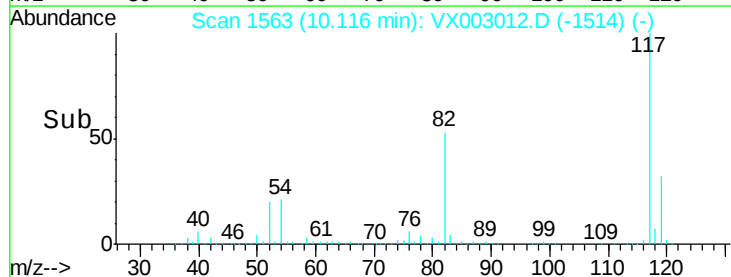
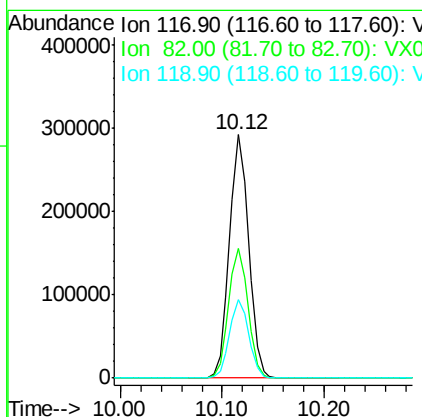
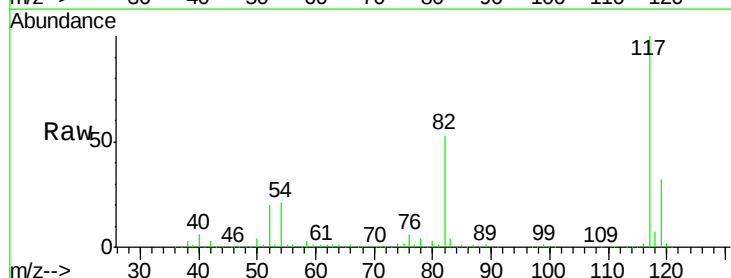
Instrument :
MSVOA_X
ClientSampleId :
ULMER-PARK-TRIP-BLANK-1-6-25-

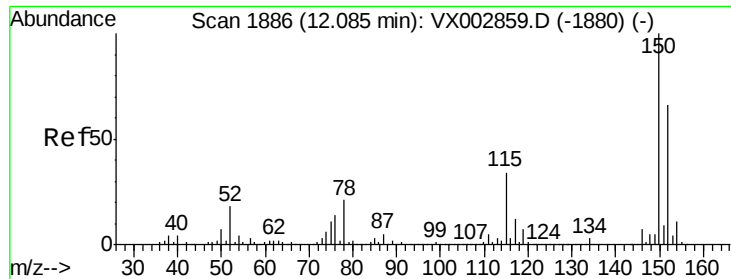
Tot Ion: 95 Resp: 203520
Ion Ratio Lower Upper
95 100
174 97.3 0.0 187.4
176 93.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003012.D
Acq: 29 Jun 2018 04:29

Tgt Ion: 117 Resp: 380005
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.4
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003012.D

Acq: 29 Jun 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

ULMER-PARK-TRIP-BLANK-1-6-25-

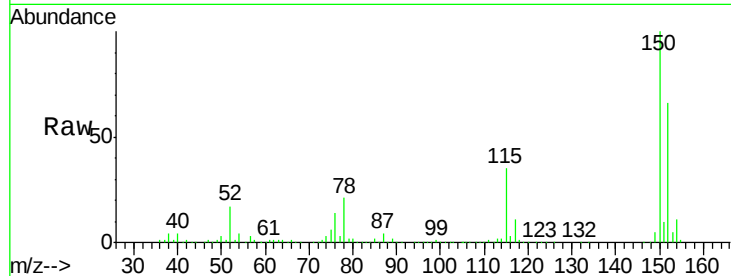
Tot Ion:152 Resp: 217128

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

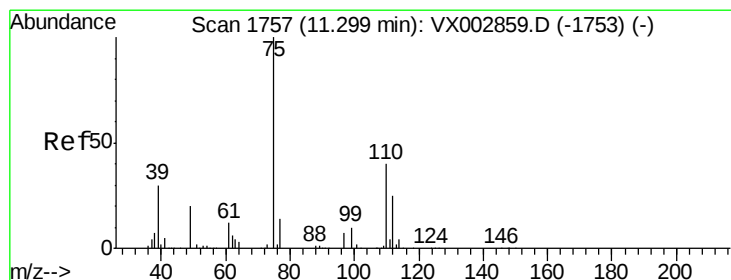
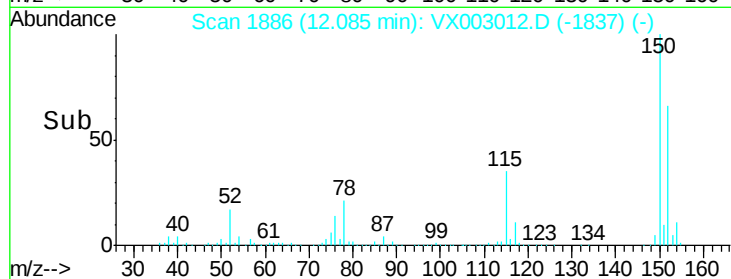
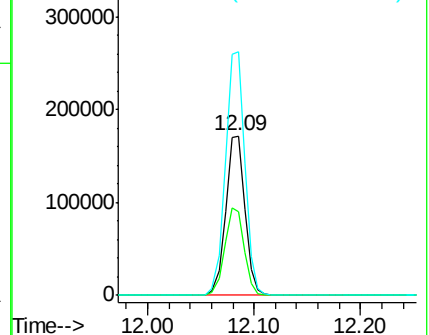
150 154.7 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.86 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003012.D

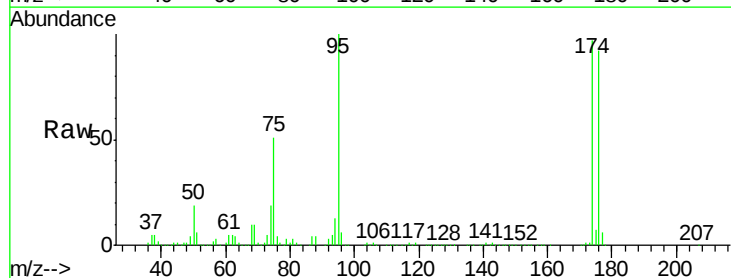
Acq: 29 Jun 2018 04:29

Tgt Ion: 75 Resp: 105626

Ion Ratio Lower Upper

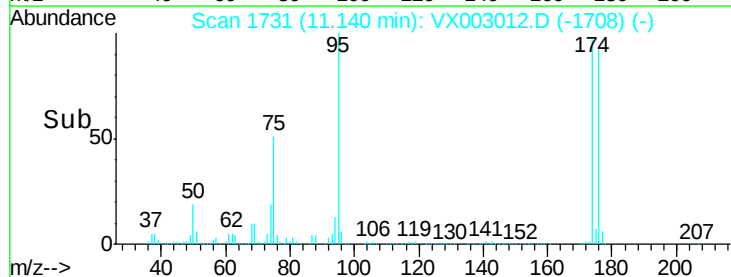
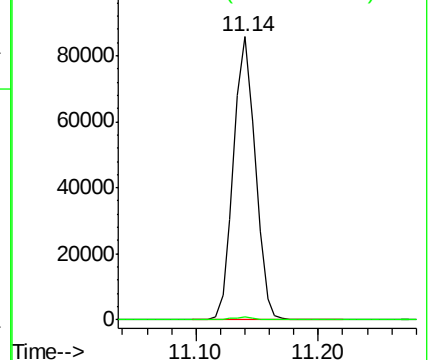
75 100

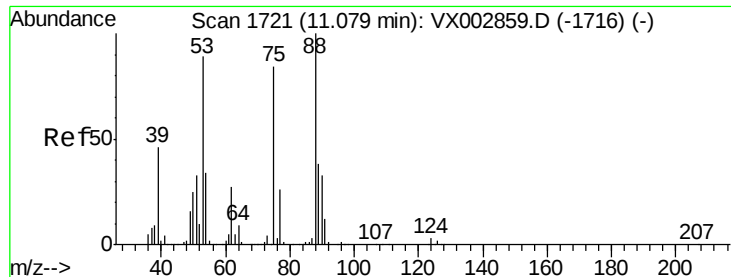
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.04 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003012.D
 Acq: 29 Jun 2018 04:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ULMER-PARK-TRIP-BLANK-1-6-25-

Tot Ion: 75 Resp: 105626
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

