

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063018\
 Data File : VX003103.D
 Acq On : 01 Jul 2018 03:47
 Operator : JC/MD
 Sample : J3800-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ULMER-PARK-FIELD-BLANK-1-6-26

Quant Time: Jul 02 04:57:17 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	286097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	400319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	369749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	210932	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	187743	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	5.51	113	154215	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	8.72	98	556017	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	11.14	95	197235	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	

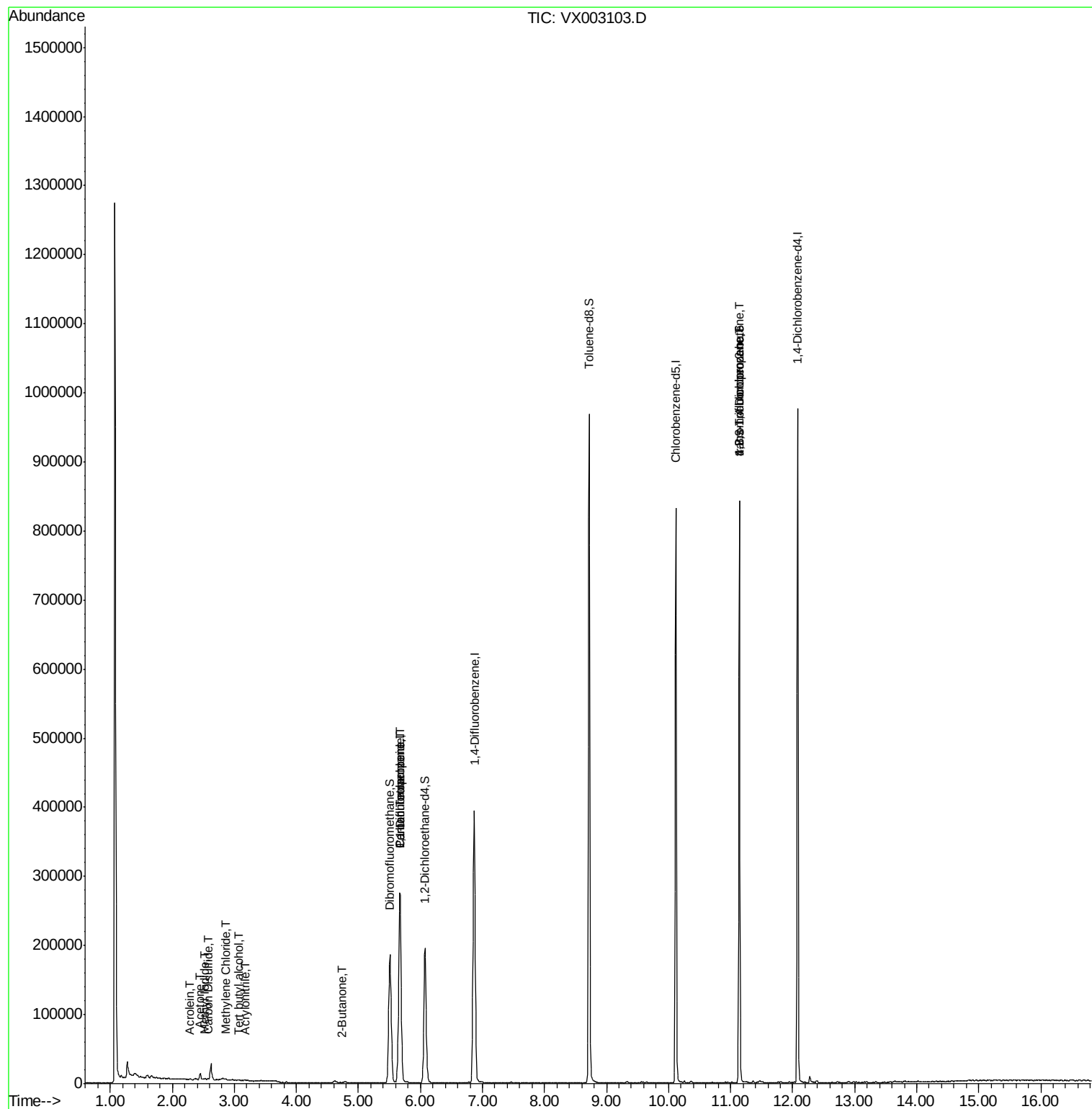
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	127	Below Cal	#	54
3) Chloromethane	1.32	50	1003	Below Cal		92
5) Bromomethane	1.66	94	2198	Below Cal		86
6) Chloroethane	1.71	64	358	Below Cal	#	43
10) Methyl Iodide	2.53	142	2114	6.80	ug/l	# 93
11) Tert butyl alcohol	3.07	59	1428	1.81	ug/l	# 73
13) Acrolein	2.28	56	127	4.52	ug/l	# 53
15) Acrylonitrile	3.17	53	373	0.22	ug/l	# 24
16) Acetone	2.45	43	10612	6.48	ug/l	# 87
17) Carbon Disulfide	2.57	76	1781	0.24	ug/l	# 77
20) Methylene Chloride	2.86	84	692	0.22	ug/l	# 79
25) 2-Butanone	4.73	43	713	0.29	ug/l	91
36) 1,1-Dichloropropene	5.67	75	18422	4.20	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	25290	5.25	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	100235	26.23	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	100235	74.36	ug/l	# 7

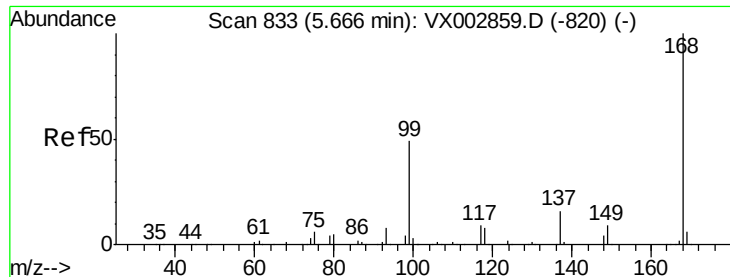
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003103.D

Acq: 01 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

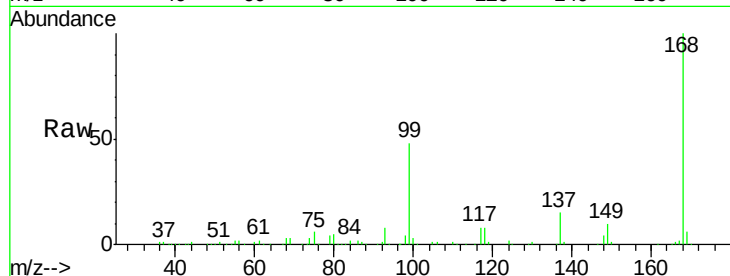
ULMER-PARK-FIELD-BLANK-1-6-26

Tot Ion:168 Resp: 286097

Ion Ratio Lower Upper

168 100

99 47.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

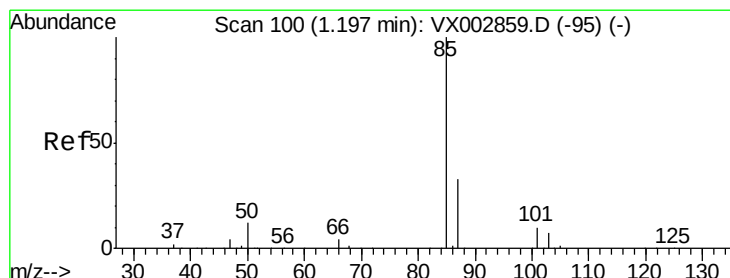
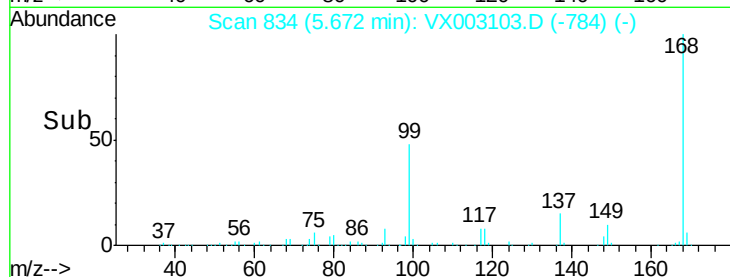
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003103.D

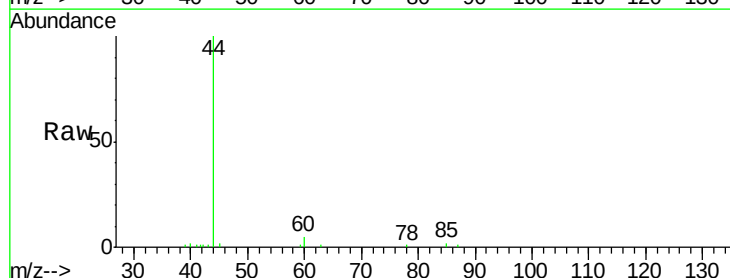
Acq: 01 Jul 2018 03:47

Tgt Ion: 85 Resp: 127

Ion Ratio Lower Upper

85 100

87 57.4 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150

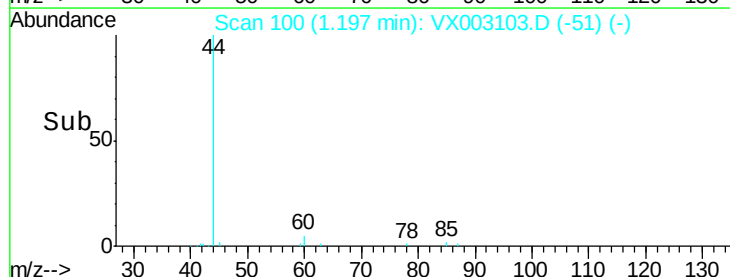
100

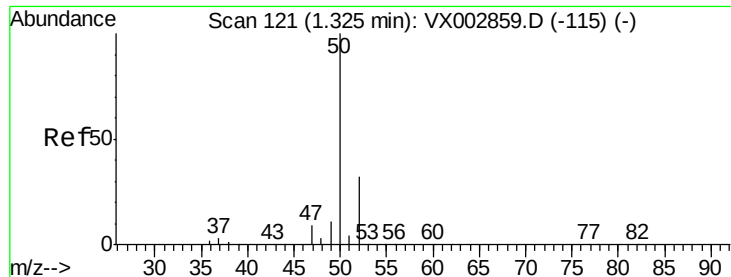
50

0

1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

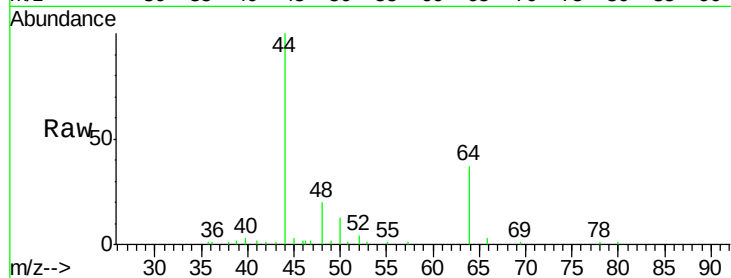
ULMER-PARK-FIELD-BLANK-1-6-26

Tot Ion: 50 Resp: 1003

Ion Ratio Lower Upper

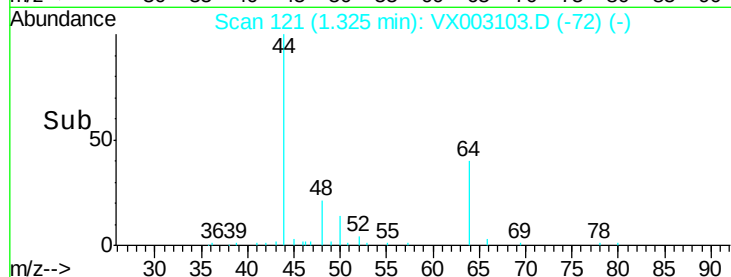
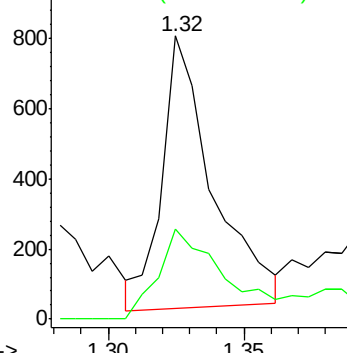
50 100

52 36.7 25.7 38.5

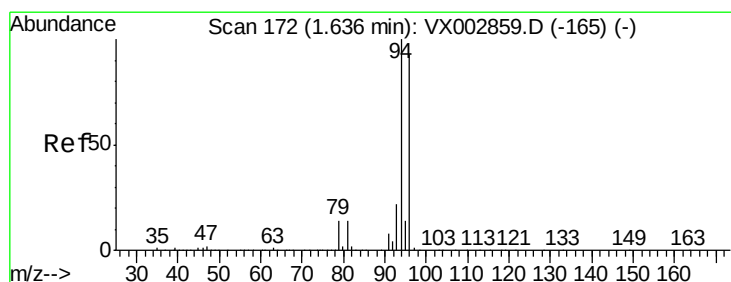


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003103.D

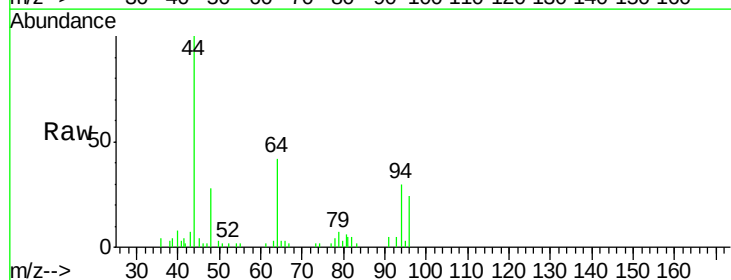
Acq: 01 Jul 2018 03:47

Tgt Ion: 94 Resp: 2198

Ion Ratio Lower Upper

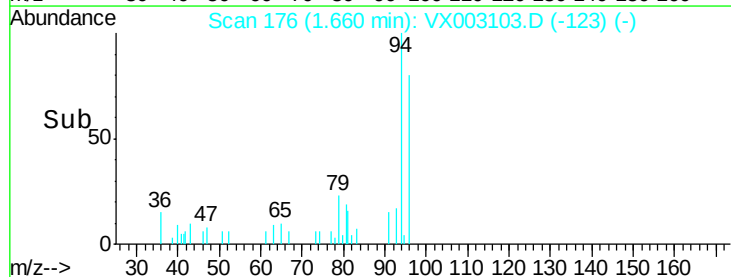
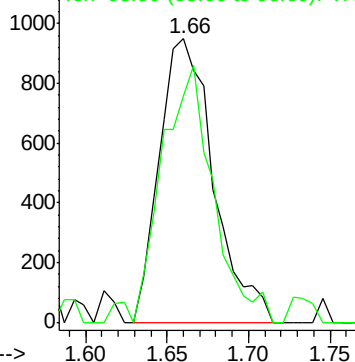
94 100

96 79.8 74.9 112.3

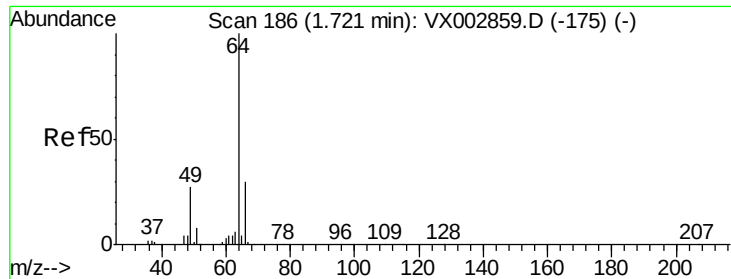


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

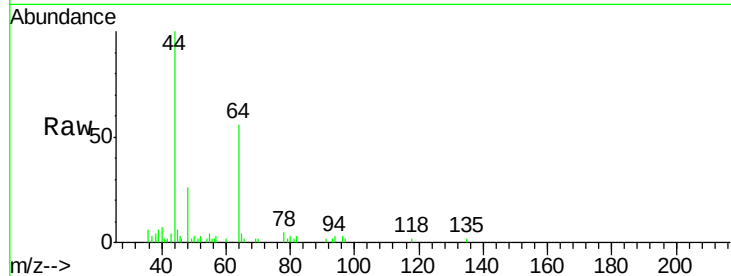
ULMER-PARK-FIELD-BLANK-1-6-26

Tot Ion: 64 Resp: 358

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

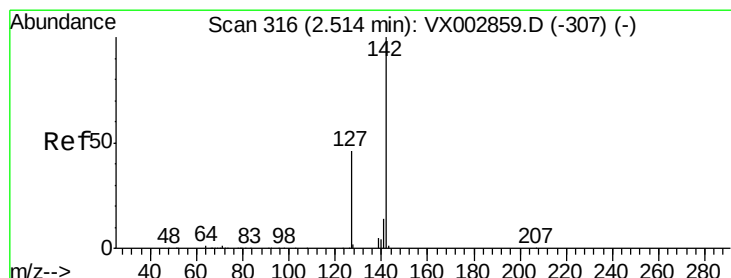
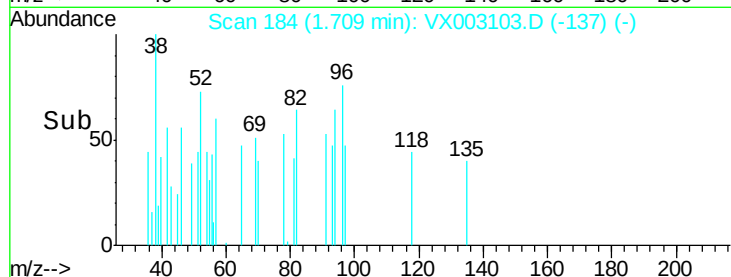
1500

1000

500

0

Time-->



#10

Methyl Iodide

Concen: 6.80 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

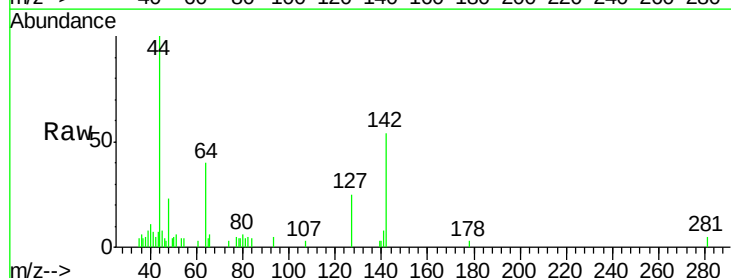
Tgt Ion:142 Resp: 2114

Ion Ratio Lower Upper

142 100

127 49.3 36.6 55.0

141 18.8 11.3 16.9#



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

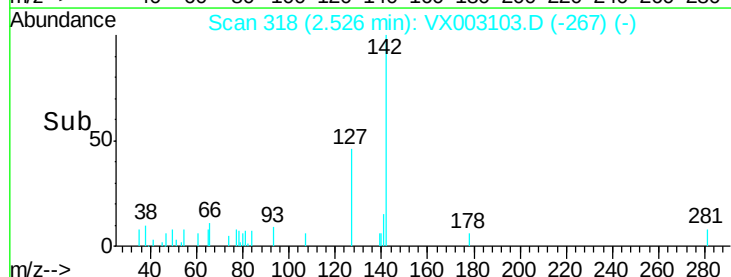
2.53

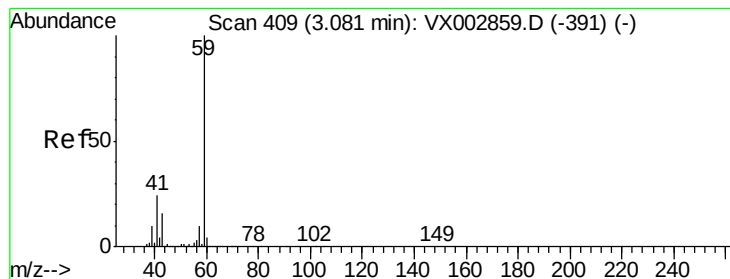
1000

500

0

Time-->



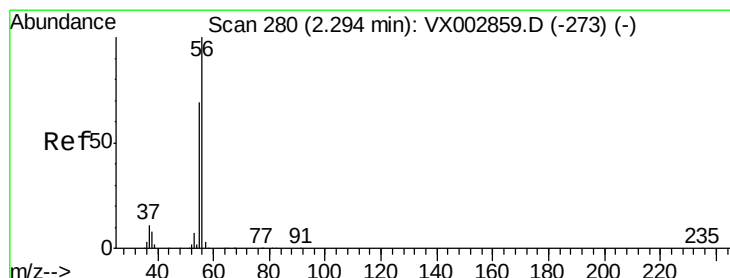
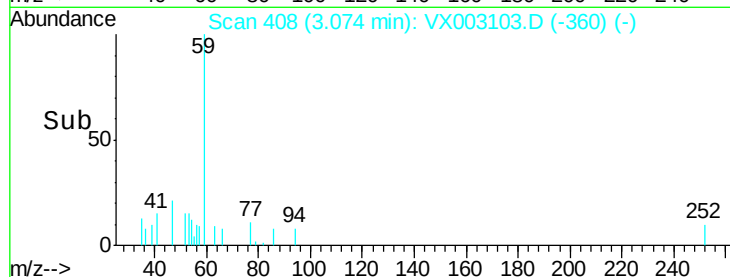
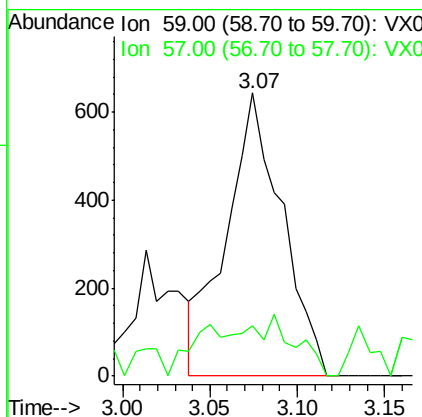
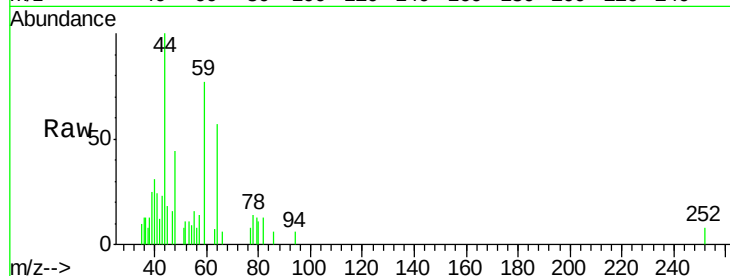


#11

Tert butyl alcohol
 Concen: 1.81 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003103.D
 Acq: 01 Jul 2018 03:47

Instrument :
 MSVOA_X
 ClientSampleId :
 ULMER-PARK-FIELD-BLANK-1-6-26

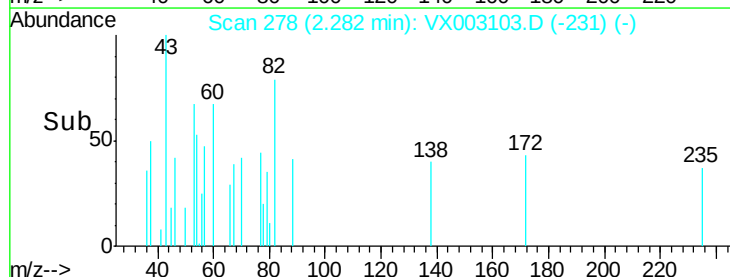
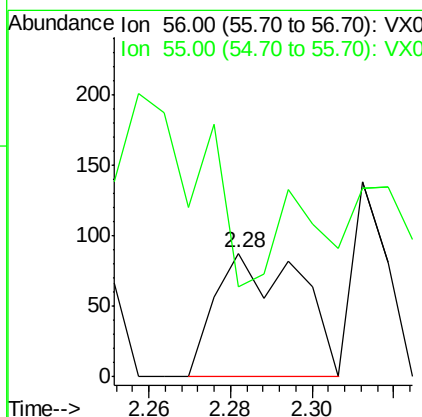
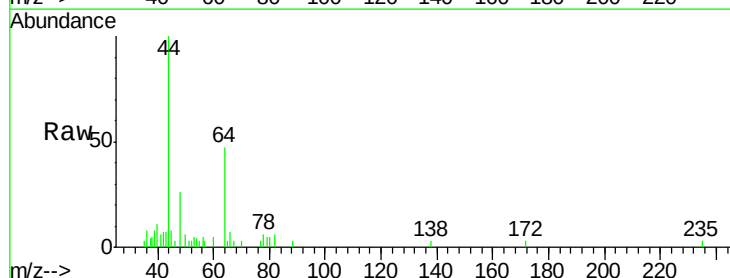
Tot Ion: 59 Resp: 1428
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

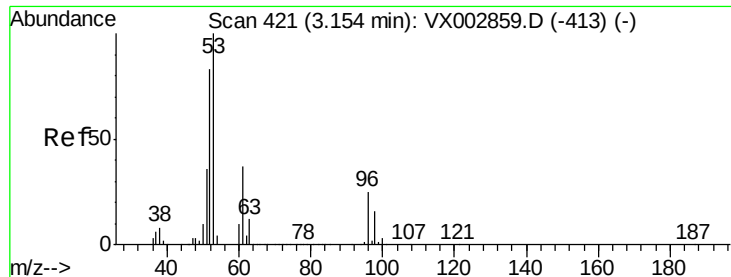


#13

Acrolein
 Concen: 4.52 ug/l
 RT: 2.28 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: VX003103.D
 Acq: 01 Jul 2018 03:47

Tgt Ion: 56 Resp: 127
 Ion Ratio Lower Upper
 56 100
 55 32.3 57.0 85.4#





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

ULMER-PARK-FIELD-BLANK-1-6-26

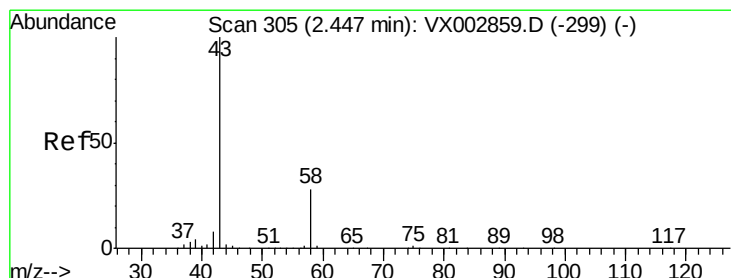
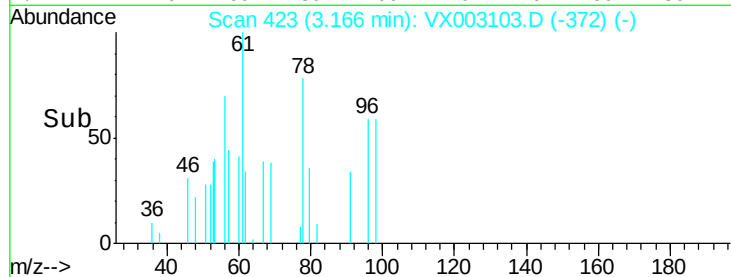
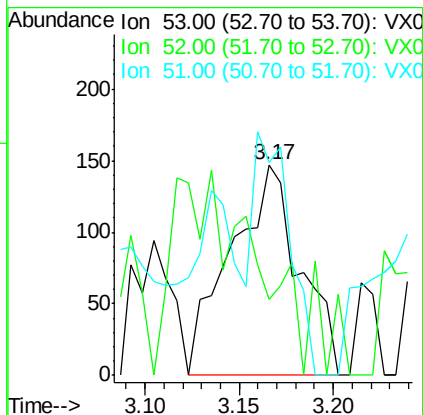
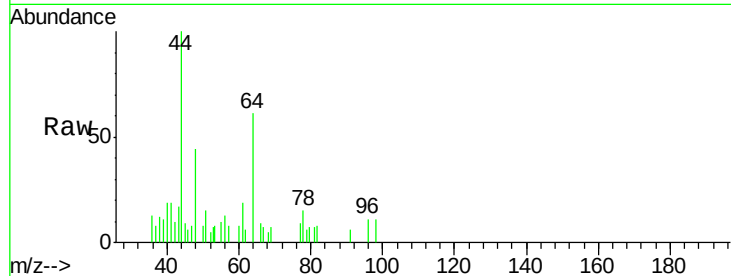
Tot Ion: 53 Resp: 373

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 60.3 29.9 44.9#



#16

Acetone

Concen: 6.48 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003103.D

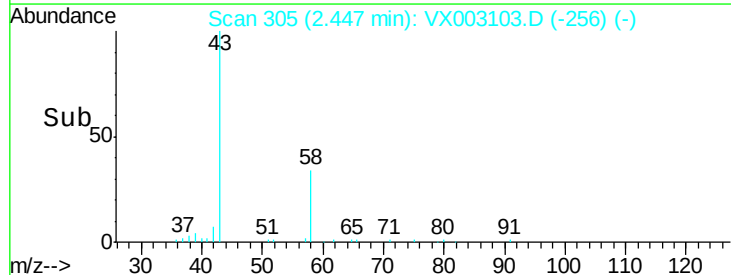
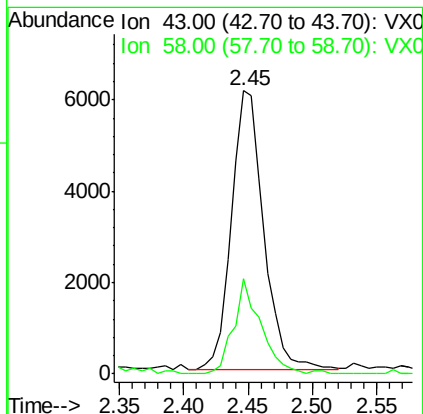
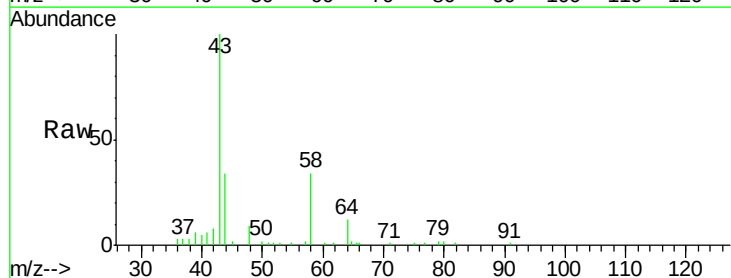
Acq: 01 Jul 2018 03:47

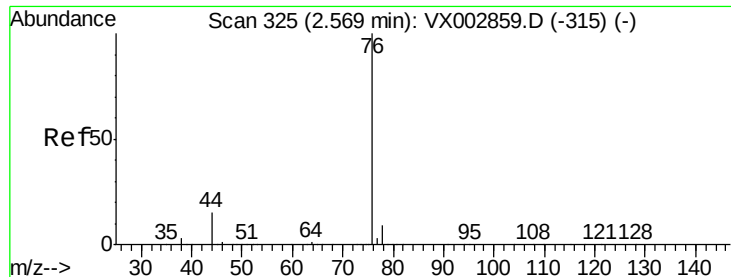
Tgt Ion: 43 Resp: 10612

Ion Ratio Lower Upper

43 100

58 34.2 22.1 33.1#





#17

Carbon Disulfide

Concen: 0.24 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

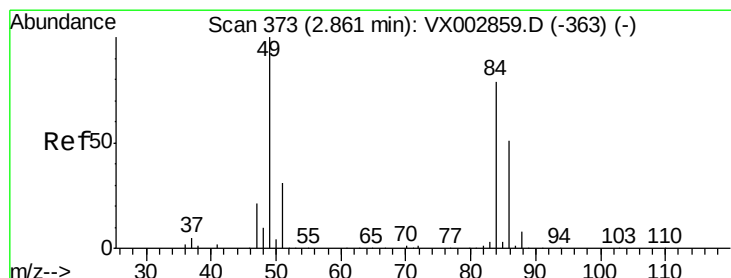
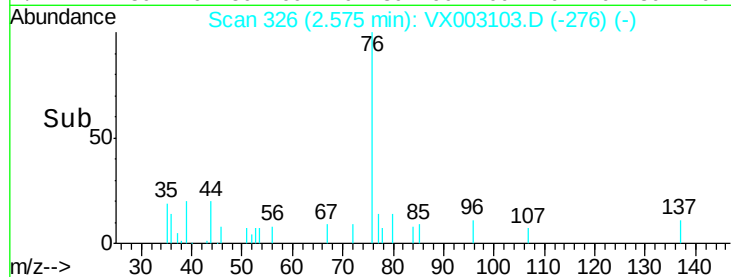
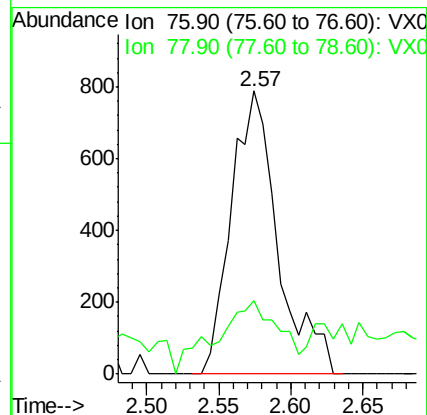
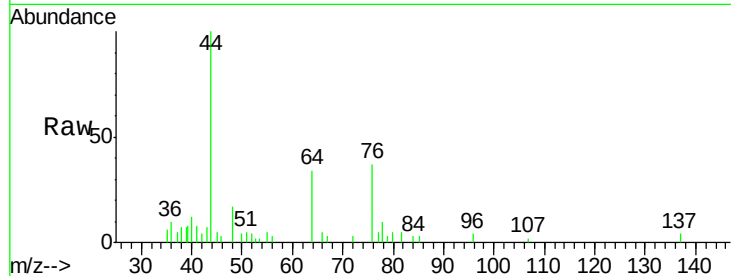
ULMER-PARK-FIELD-BLANK-1-6-26

Tot Ion: 76 Resp: 1781

Ion Ratio Lower Upper

76 100

78 16.9 6.9 10.3#



#20

Methylene Chloride

Concen: 0.22 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

Tgt Ion: 84 Resp: 692

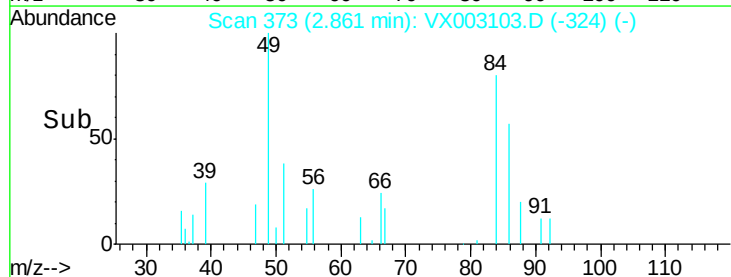
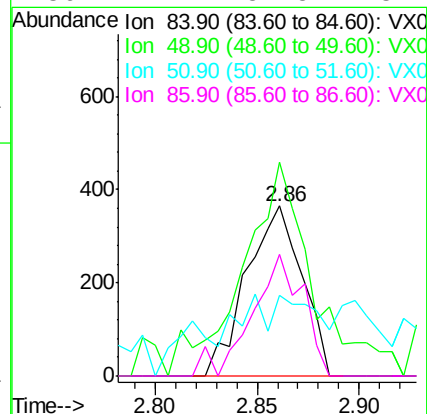
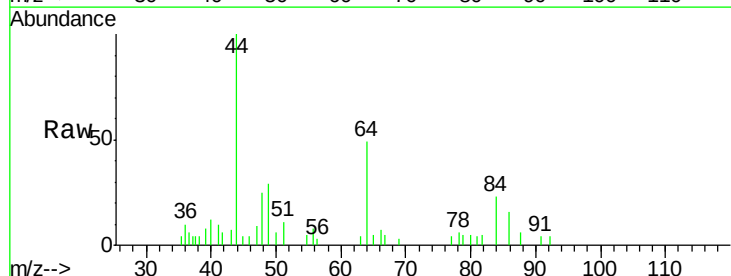
Ion Ratio Lower Upper

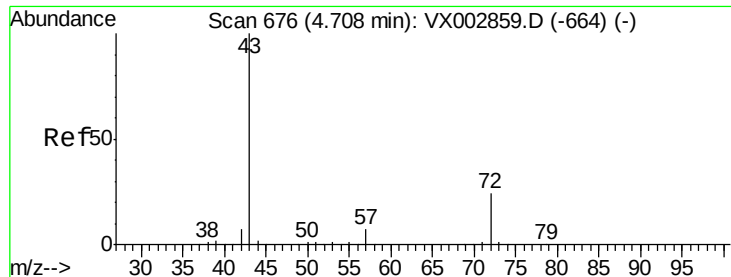
84 100

49 109.0 107.8 161.6

51 15.1 32.8 49.2#

86 71.2 52.5 78.7





#25

2-Butanone

Concen: 0.29 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

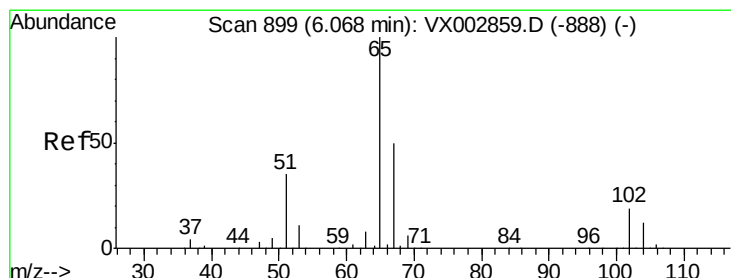
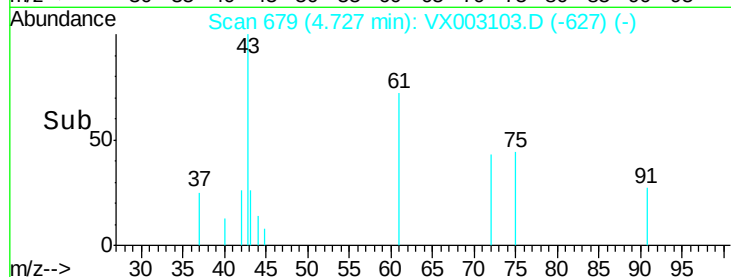
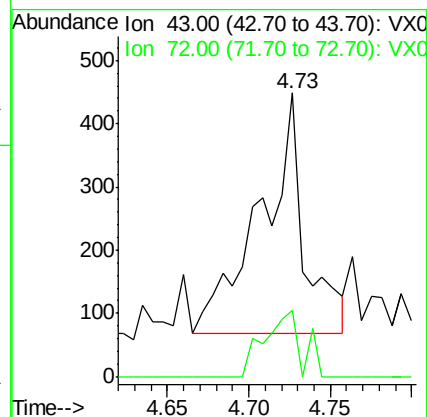
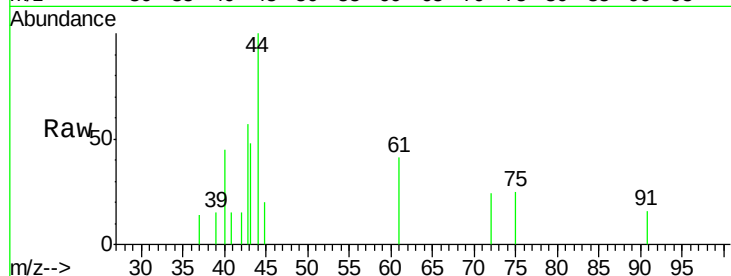
ULMER-PARK-FIELD-BLANK-1-6-26

Tot Ion: 43 Resp: 713

Ion Ratio Lower Upper

43 100

72 27.4 18.5 27.7



#33

1,2-Dichloroethane-d4

Concen: 47.48 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003103.D

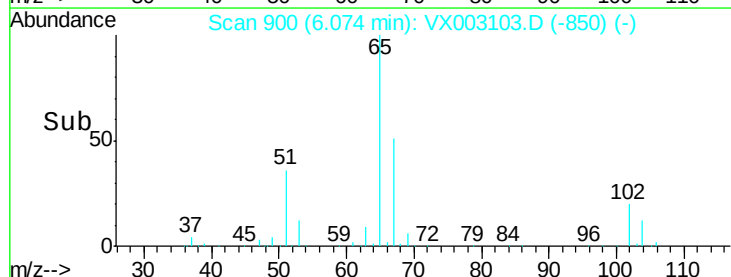
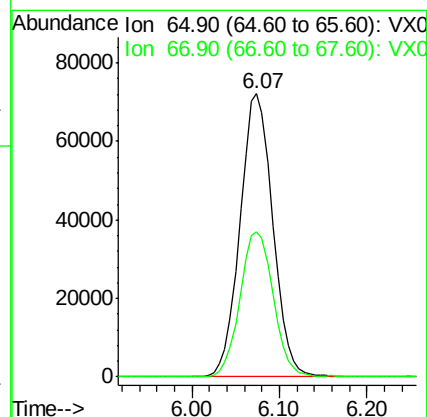
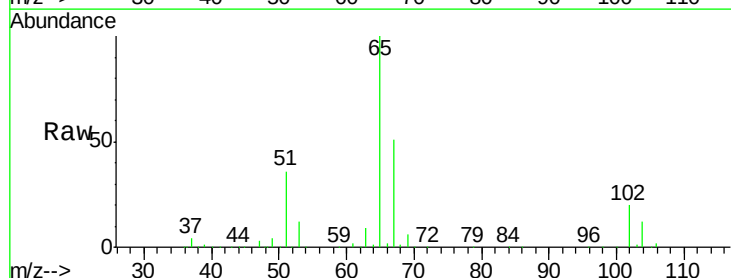
Acq: 01 Jul 2018 03:47

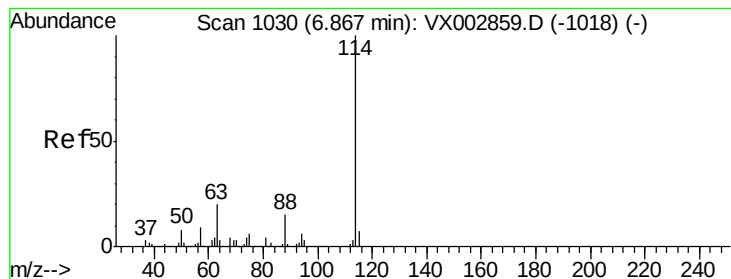
Tgt Ion: 65 Resp: 187743

Ion Ratio Lower Upper

65 100

67 52.0 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: VX003103.D

Acq: 01 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

ULMER-PARK-FIELD-BLANK-1-6-26

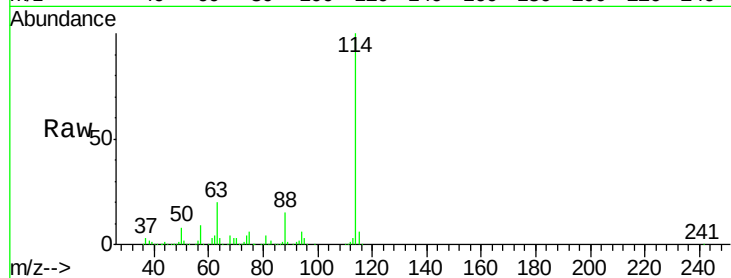
Tot Ion:114 Resp: 400319

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

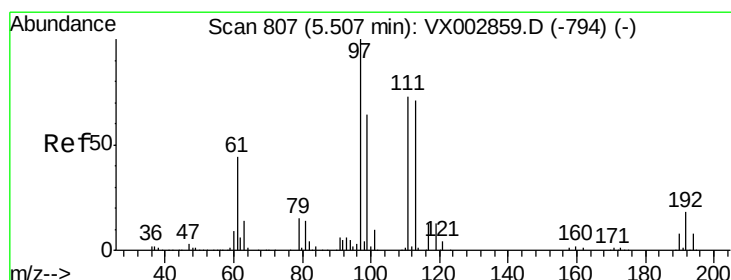
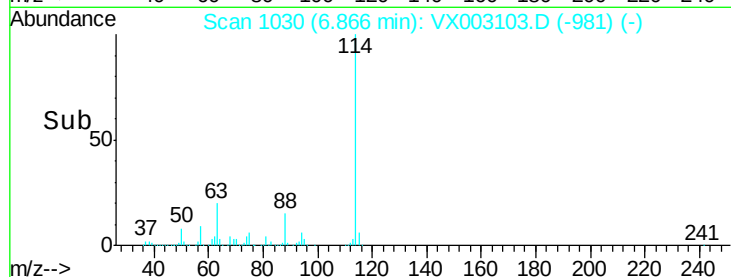
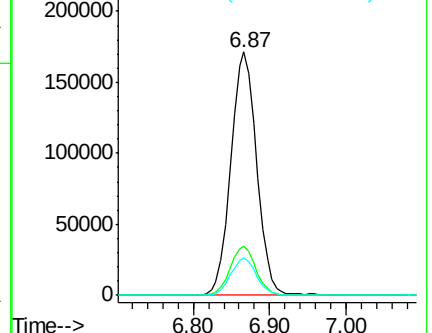
88 15.2 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.65 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

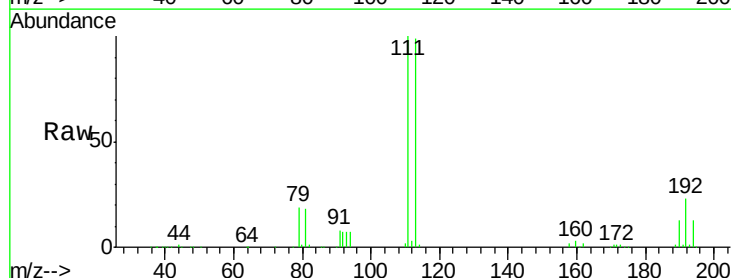
Tgt Ion:113 Resp: 154215

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

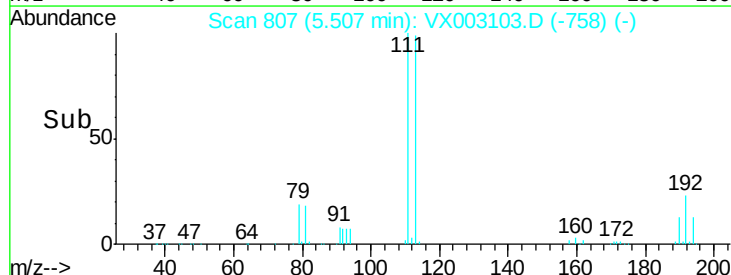
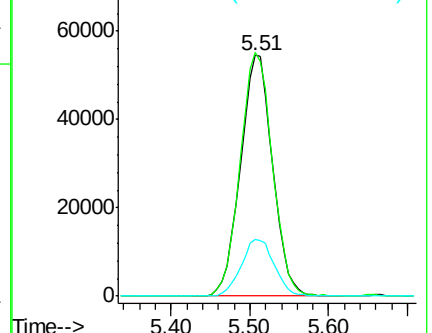
192 24.2 19.1 28.7

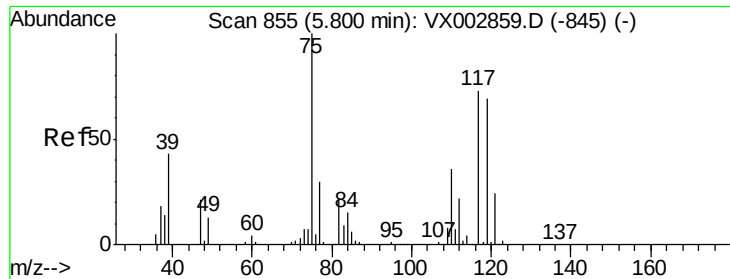


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

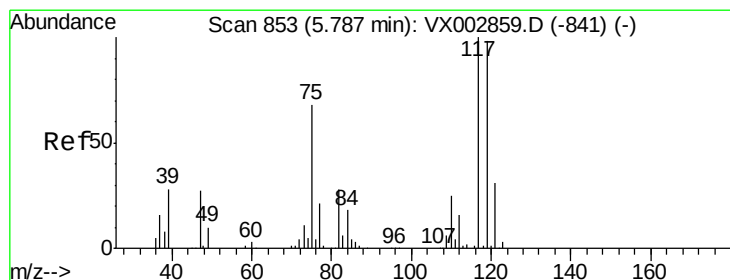
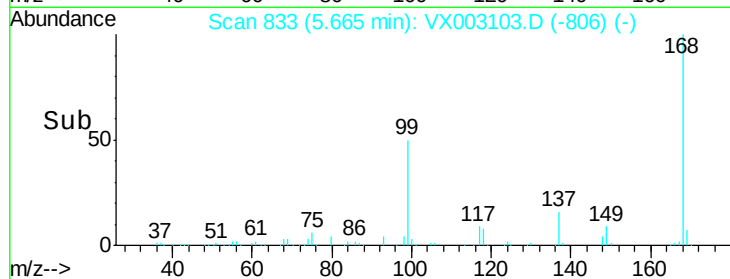
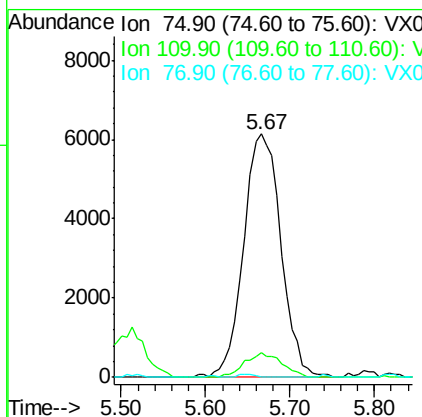
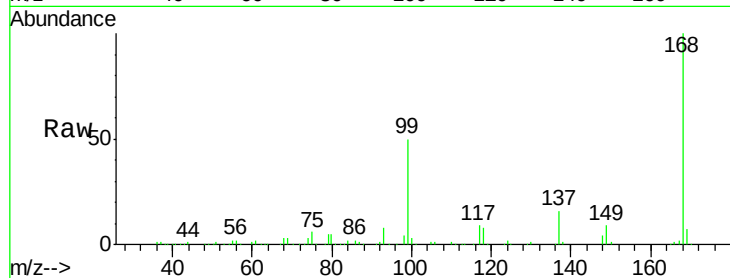




#36
 1,1-Dichloropropene
 Concen: 4.20 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003103.D
 Acq: 01 Jul 2018 03:47

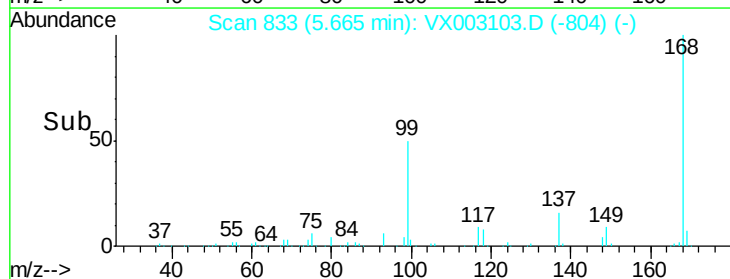
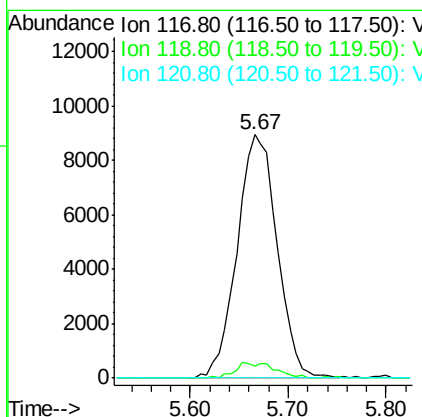
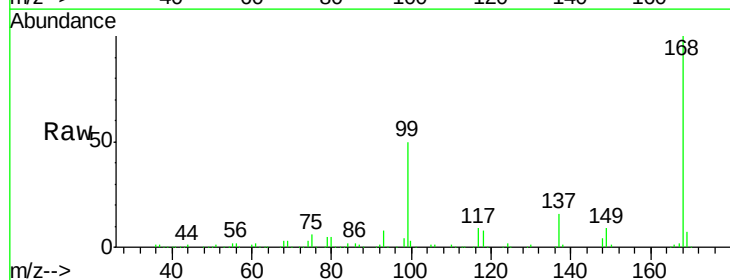
Instrument :
 MSVOA_X
 ClientSampleId :
 ULMER-PARK-FIELD-BLANK-1-6-26

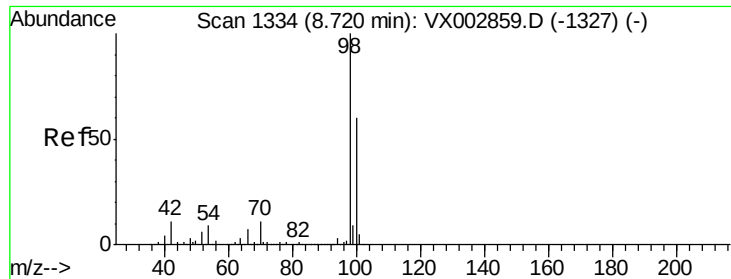
Tot Ion: 75 Resp: 18422
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.25 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003103.D
 Acq: 01 Jul 2018 03:47

Tgt Ion: 117 Resp: 25290
 Ion Ratio Lower Upper
 117 100
 119 4.8 77.4 116.0#
 121 0.0 24.4 36.6#

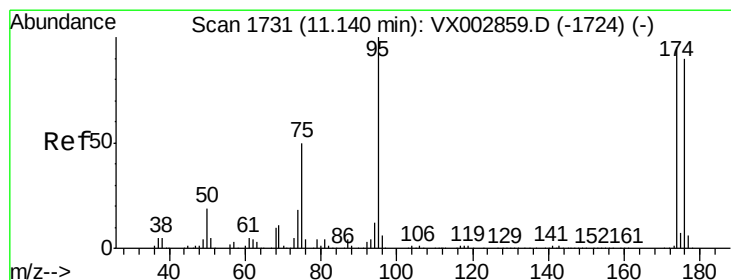
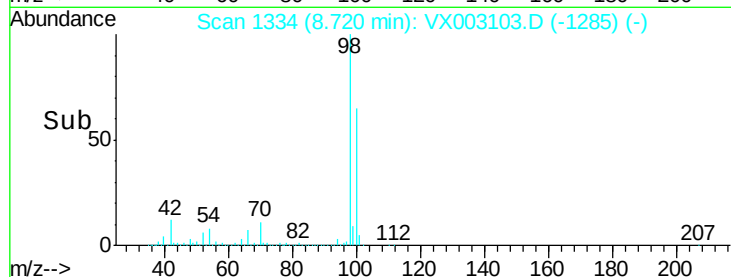
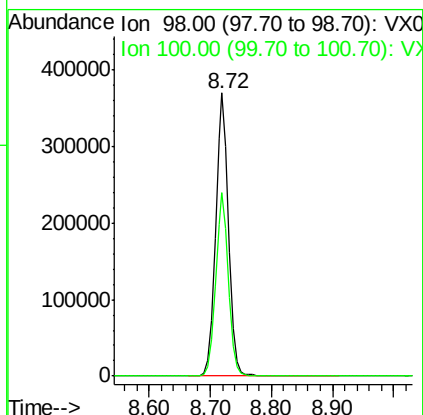
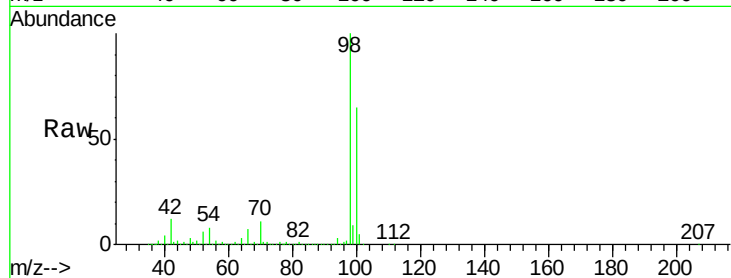




#50
Toluene-d8
Concen: 48.03 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003103.D
Acq: 01 Jul 2018 03:47

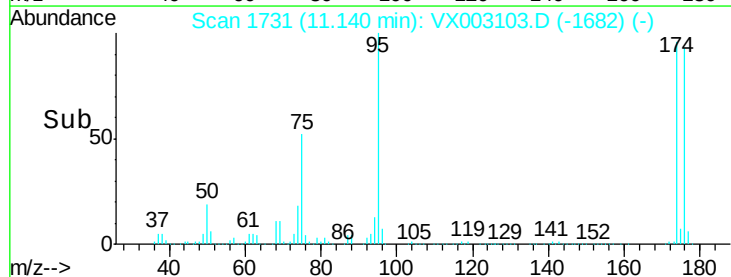
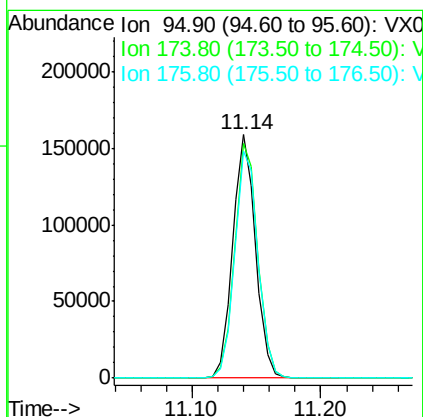
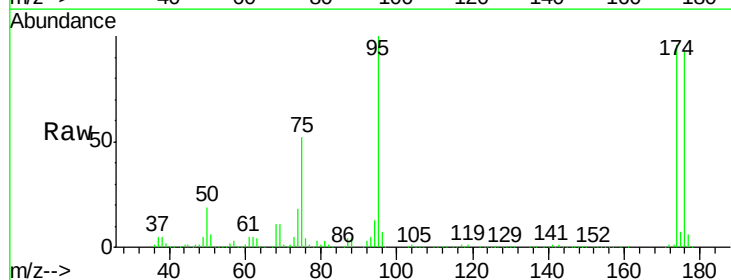
Instrument :
MSVOA_X
ClientSampleId :
ULMER-PARK-FIELD-BLANK-1-6-26

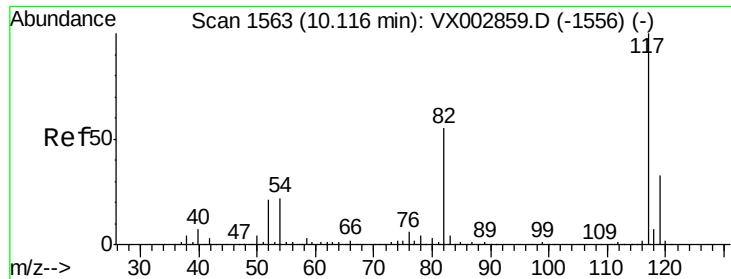
Tot Ion: 98 Resp: 556017
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.18 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003103.D
Acq: 01 Jul 2018 03:47

Tgt Ion: 95 Resp: 197235
Ion Ratio Lower Upper
95 100
174 97.5 0.0 187.4
176 94.9 0.0 181.0

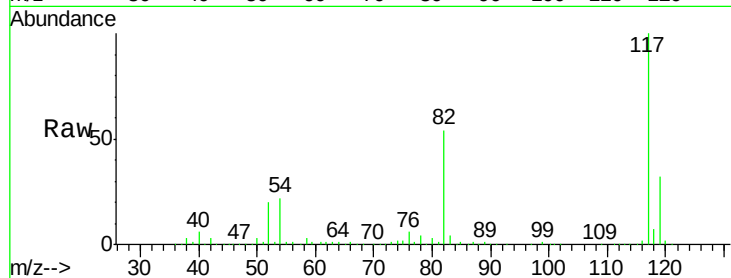




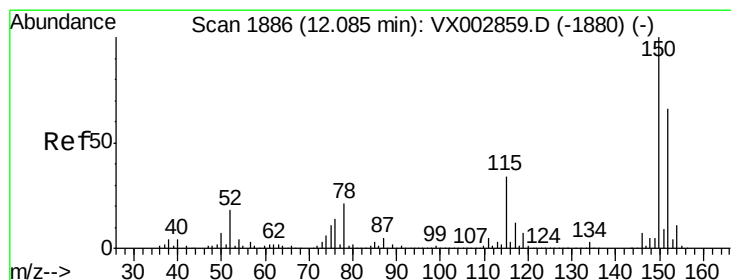
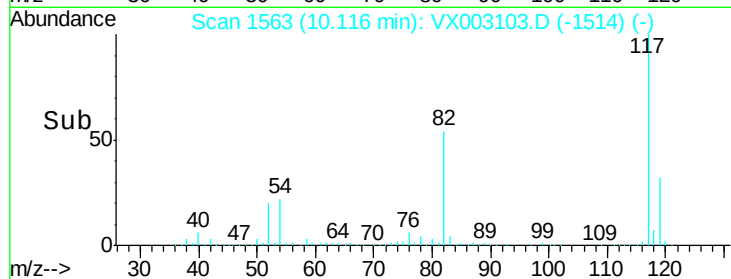
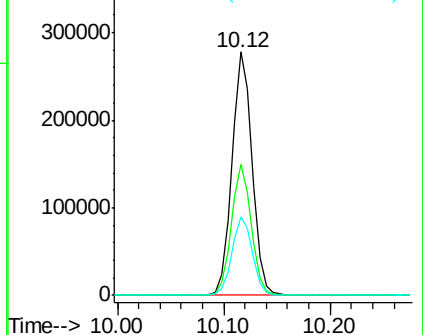
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003103.D
Acq: 01 Jul 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
ULMER-PARK-FIELD-BLANK-1-6-26

Tot Ion:117 Resp: 369749
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 32.3 25.8 38.6

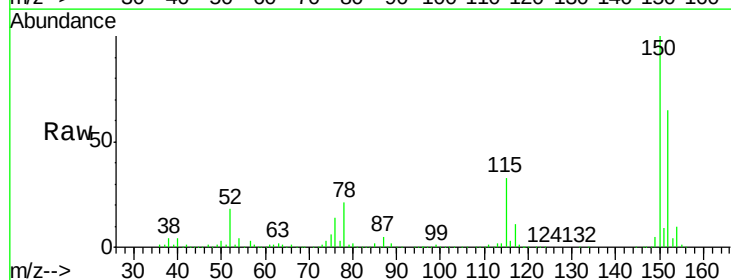


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

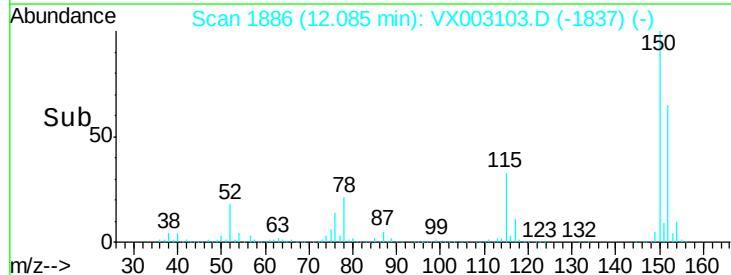
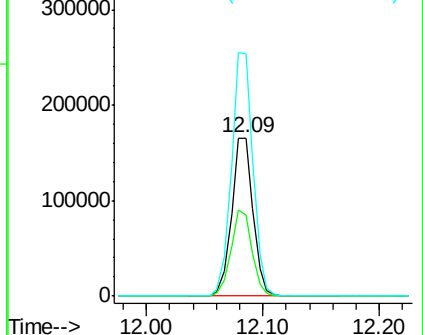


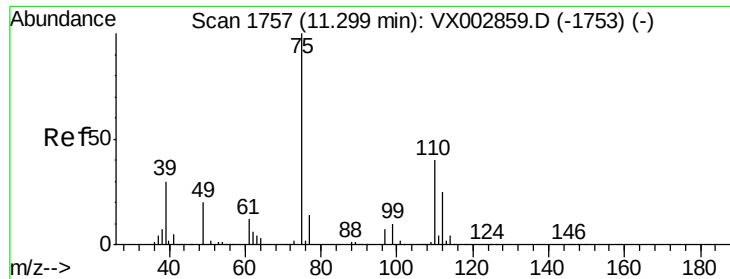
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003103.D
Acq: 01 Jul 2018 03:47

Tgt Ion:152 Resp: 210932
Ion Ratio Lower Upper
152 100
115 53.5 40.1 120.2
150 155.4 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: 26.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

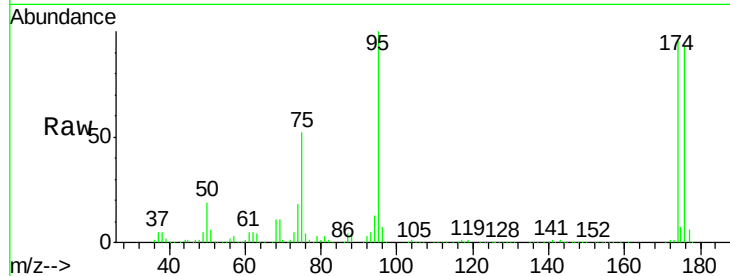
ULMER-PARK-FIELD-BLANK-1-6-26

Tot Ion: 75 Resp: 100235

Ion Ratio Lower Upper

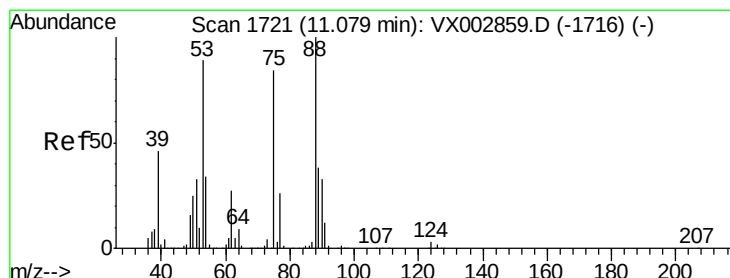
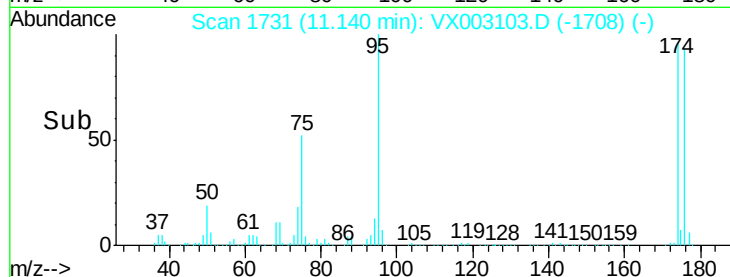
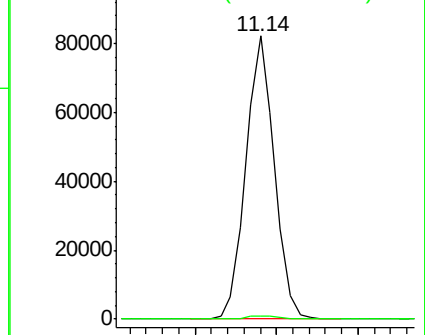
75 100

77 1.3 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: 74.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003103.D

Acq: 01 Jul 2018 03:47

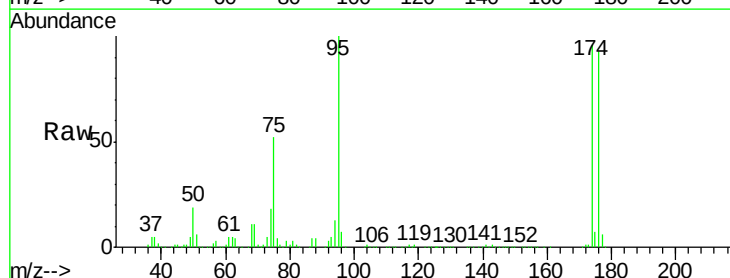
Tgt Ion: 75 Resp: 100235

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

