

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063018\
 Data File : VX003100.D
 Acq On : 01 Jul 2018 02:27
 Operator : JC/MD
 Sample : J3800-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ULMER-PARK-TRIP-BLANK-2-6-26-

Quant Time: Jul 02 04:56:31 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	281719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390798	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205980	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	182223	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
35) Dibromofluoromethane	5.51	113	149567	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	8.72	98	543910	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.14	95	192078	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	

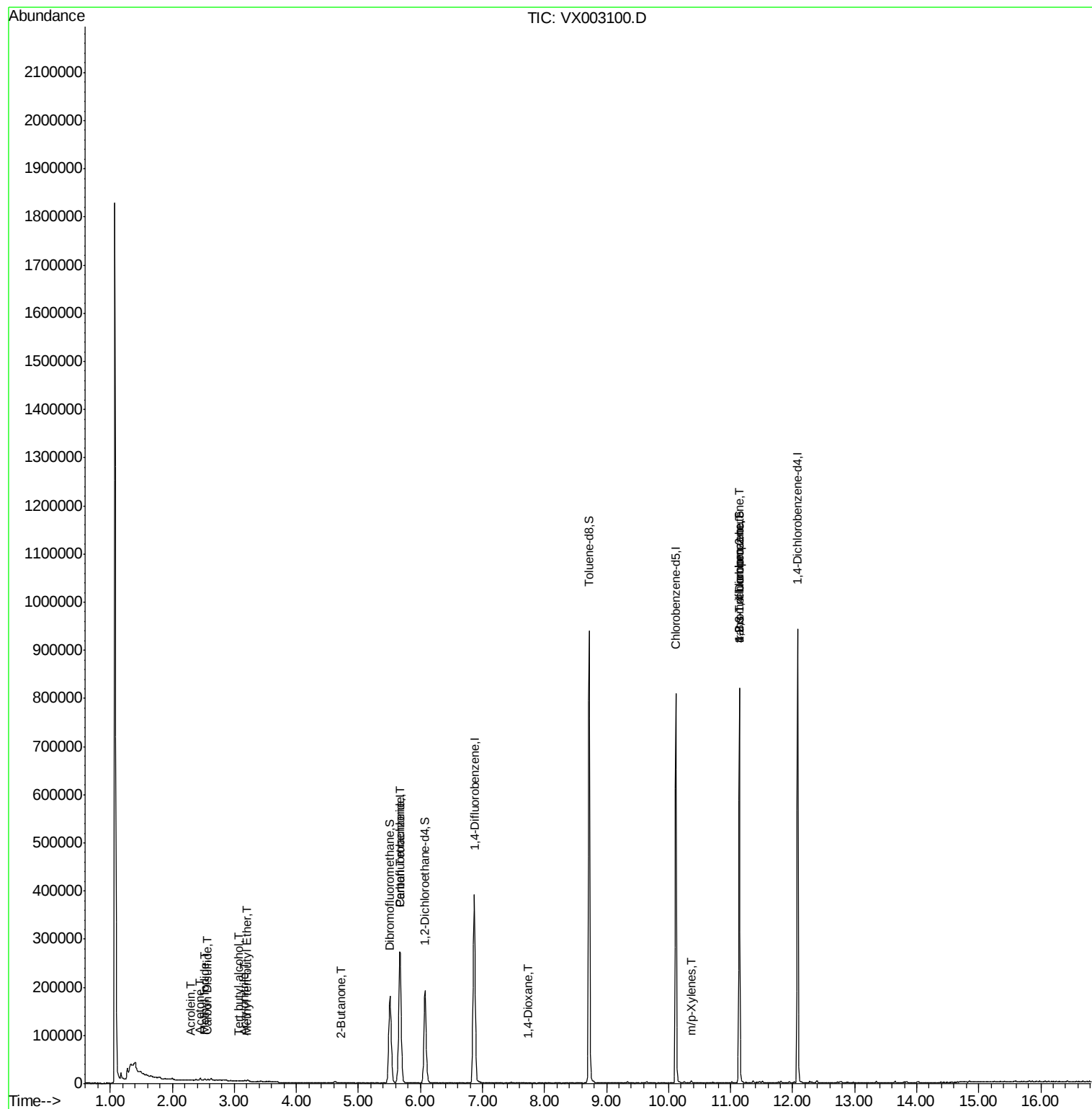
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	268	Below Cal		80
3) Chloromethane	1.32	50	1973	Below Cal	#	83
5) Bromomethane	1.65	94	2184	Below Cal	#	67
6) Chloroethane	1.96	64	369	Below Cal	#	43
10) Methyl Iodide	2.52	142	3309	7.14	ug/l	97
11) Tert butyl alcohol	3.07	59	1174	1.51	ug/l	96
13) Acrolein	2.29	56	491	5.35	ug/l	# 49
15) Acrylonitrile	3.15	53	516	0.31	ug/l	# 81
16) Acetone	2.45	43	5728	3.55	ug/l	# 99
17) Carbon Disulfide	2.57	76	4106	0.55	ug/l	# 91
19) Methyl tert-butyl Ether	3.21	73	3218	0.32	ug/l	# 90
25) 2-Butanone	4.72	43	992	0.41	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	24763	5.27	ug/l	# 15
49) 1,4-Dioxane	7.74	88	39	0.50	ug/l	# 73
68) m/p-Xylenes	10.37	106	1199	0.21	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	97819	26.22	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	97819	74.32	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: VX003100.D

Acq: 01 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

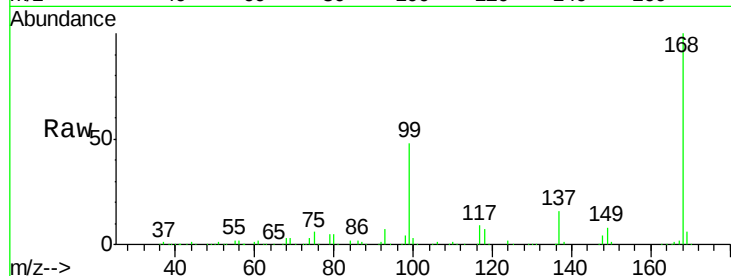
ULMER-PARK-TRIP-BLANK-2-6-26-

Tot Ion:168 Resp: 281719

Ion Ratio Lower Upper

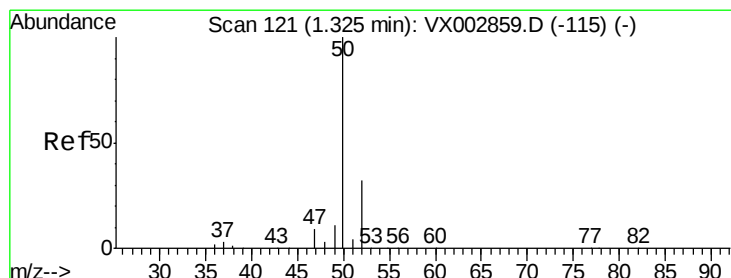
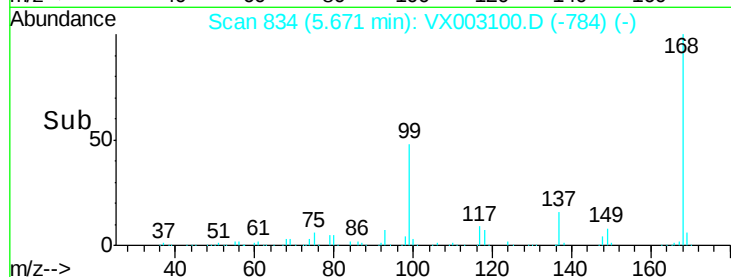
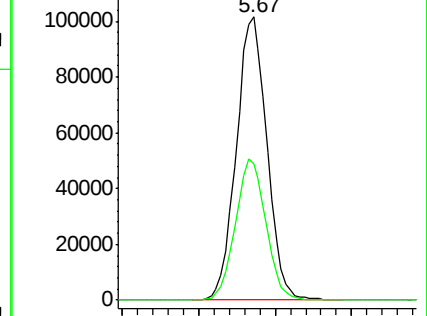
168 100

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



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003100.D

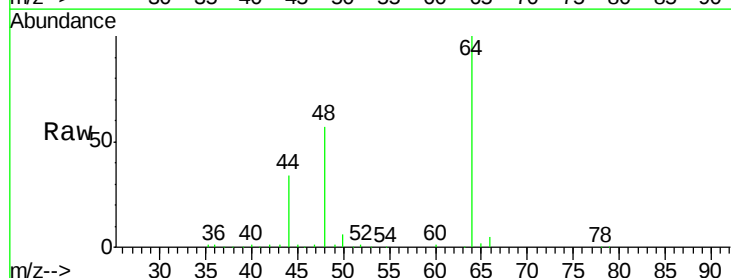
Acq: 01 Jul 2018 02:27

Tgt Ion: 50 Resp: 1973

Ion Ratio Lower Upper

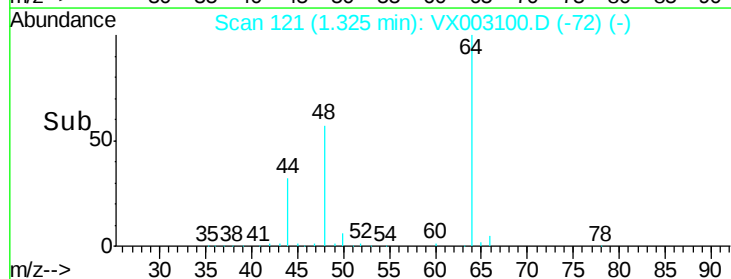
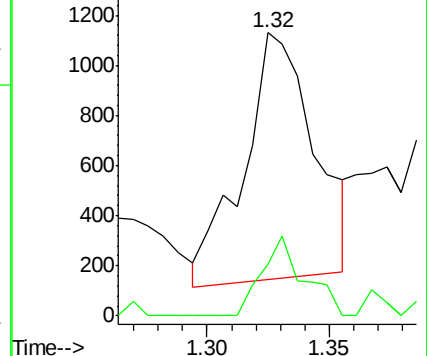
50 100

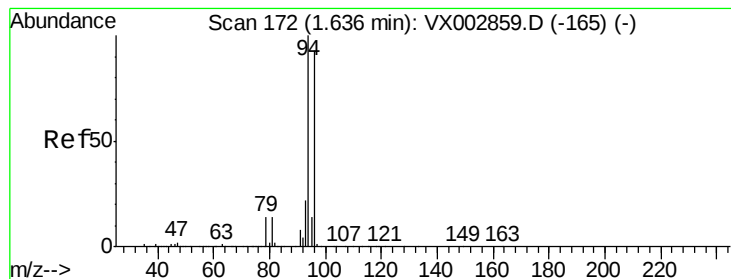
52 22.4 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003100.D

Acq: 01 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

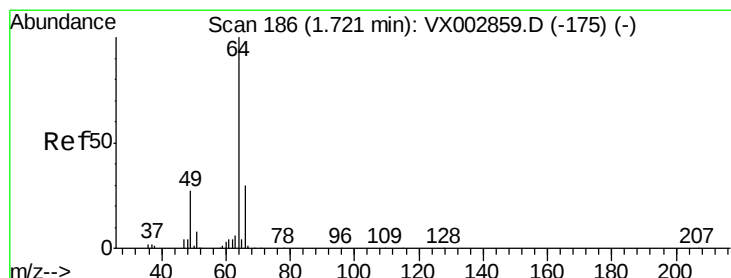
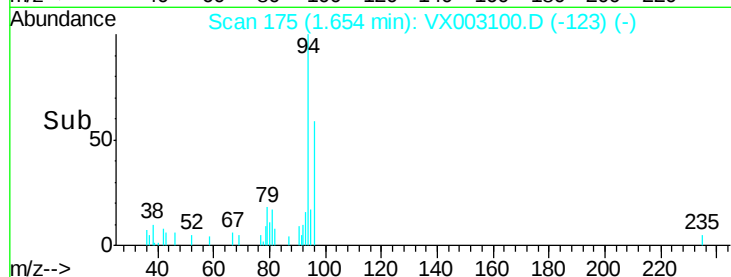
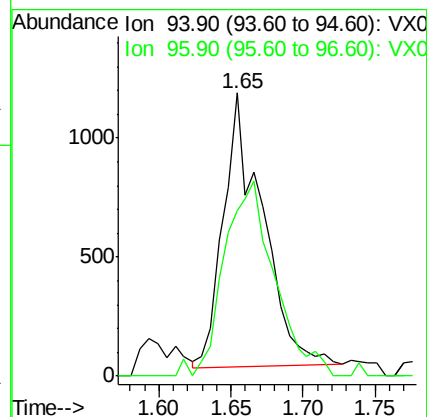
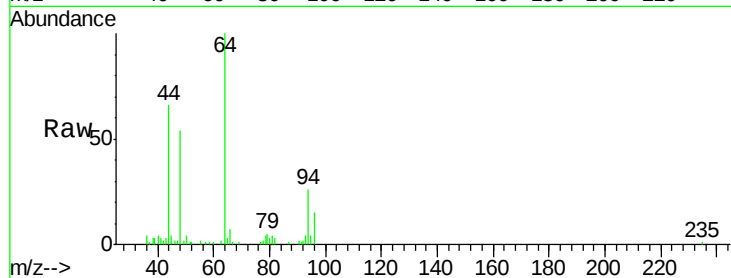
ULMER-PARK-TRIP-BLANK-2-6-26-

Tot Ion: 94 Resp: 2184

Ion Ratio Lower Upper

94 100

96 61.4 74.9 112.3#



#6

Chloroethane

Concen: Below Cal

RT: 1.96 min Scan# 226

Delta R.T. 0.24 min

Lab File: VX003100.D

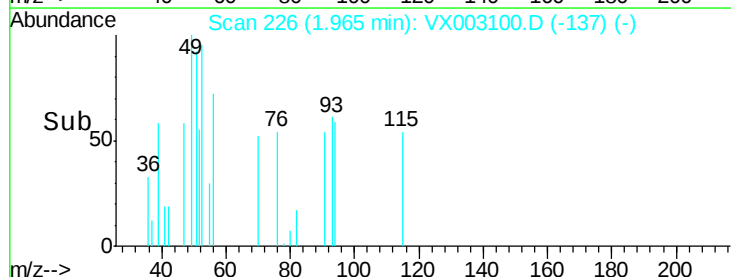
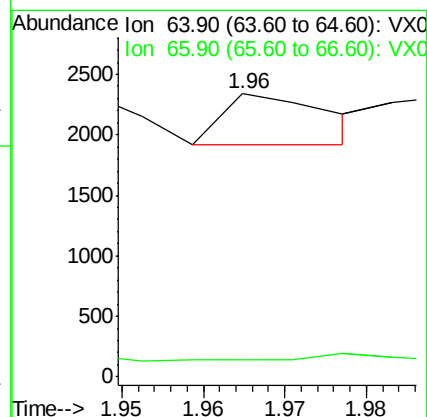
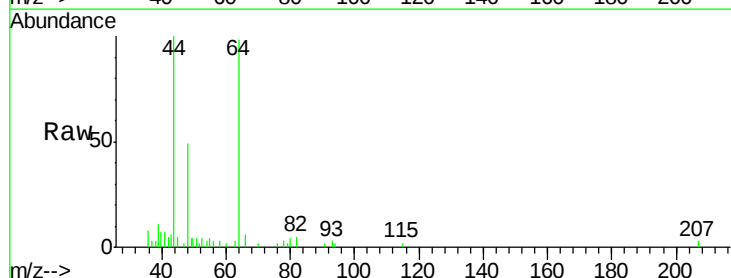
Acq: 01 Jul 2018 02:27

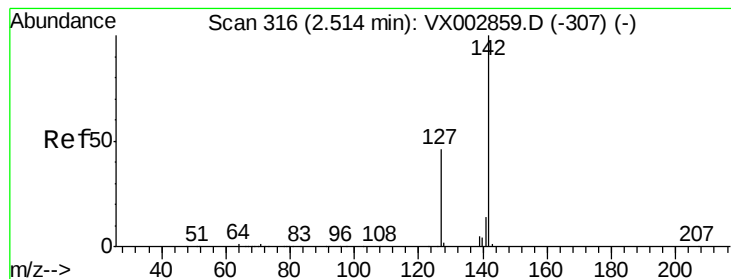
Tgt Ion: 64 Resp: 369

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#





#10

Methyl Iodide

Concen: 7.14 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003100.D

Acq: 01 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

ULMER-PARK-TRIP-BLANK-2-6-26-

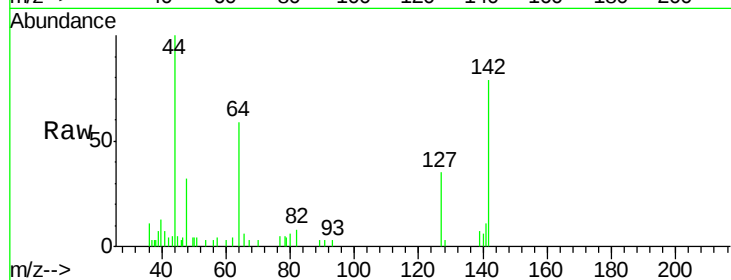
Tot Ion:142 Resp: 3309

Ion Ratio Lower Upper

142 100

127 47.4 36.6 55.0

141 15.6 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

2.52

1500

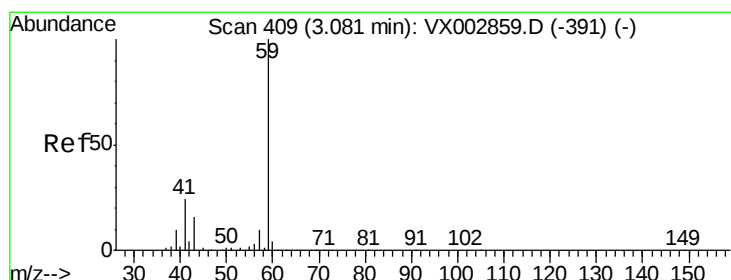
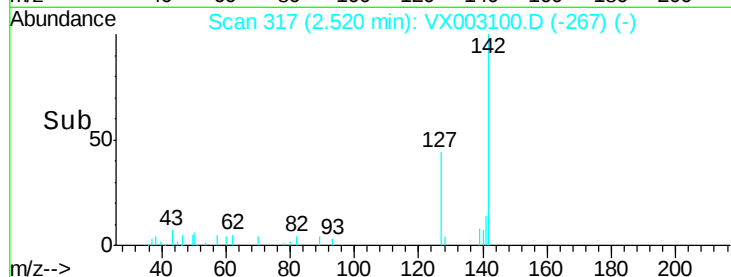
1000

500

0

2.45 2.50 2.55 2.60

Time-->



#11

Tert butyl alcohol

Concen: 1.51 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003100.D

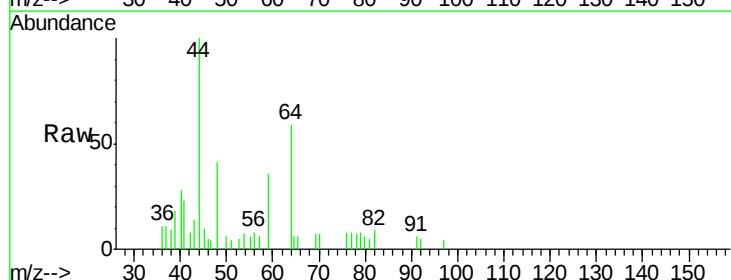
Acq: 01 Jul 2018 02:27

Tgt Ion: 59 Resp: 1174

Ion Ratio Lower Upper

59 100

57 11.8 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

500

400

300

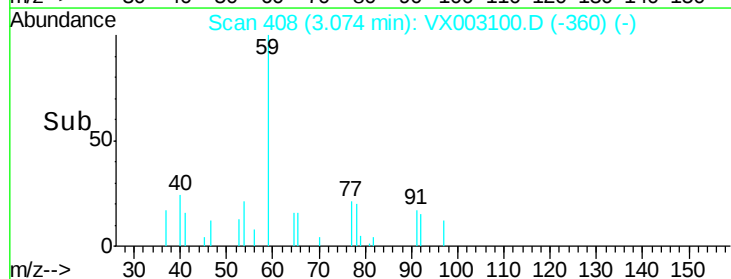
200

100

0

3.00 3.05 3.10 3.15

Time-->





#13

Acrolein

Concen: 5.35 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003100.D

Acq: 01 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

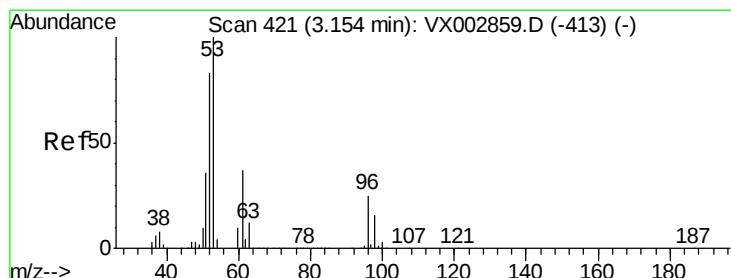
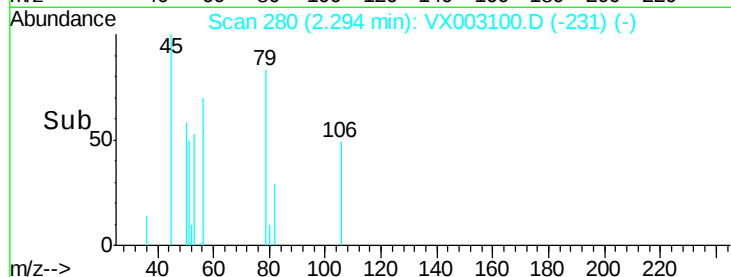
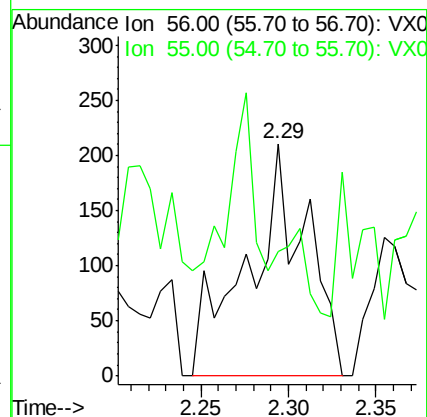
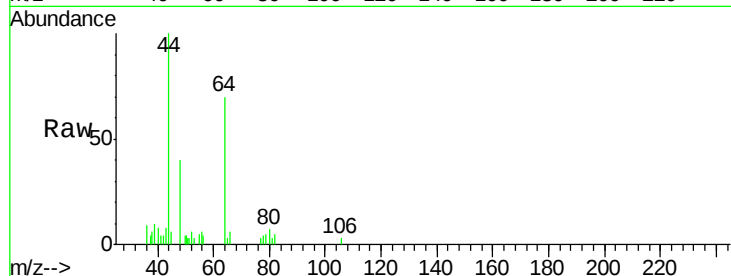
ULMER-PARK-TRIP-BLANK-2-6-26-

Tot Ion: 56 Resp: 491

Ion Ratio Lower Upper

56 100

55 29.1 57.0 85.4#



#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003100.D

Acq: 01 Jul 2018 02:27

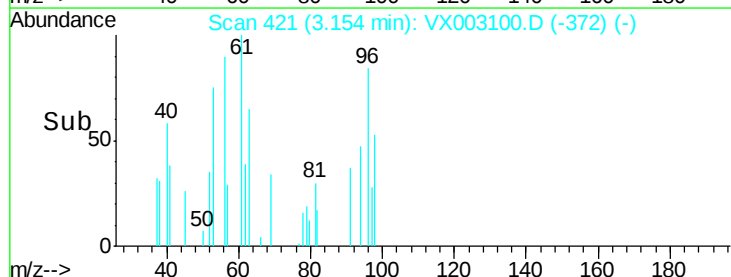
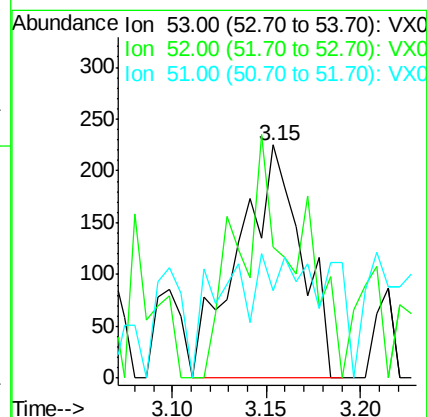
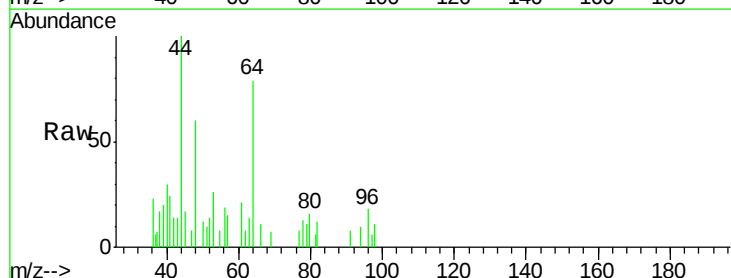
Tgt Ion: 53 Resp: 516

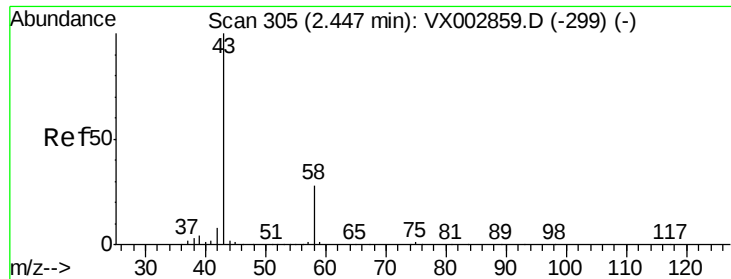
Ion Ratio Lower Upper

53 100

52 72.1 66.7 100.1

51 57.9 29.9 44.9#





#16

Acetone

Concen: 3.55 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003100.D

Acq: 01 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

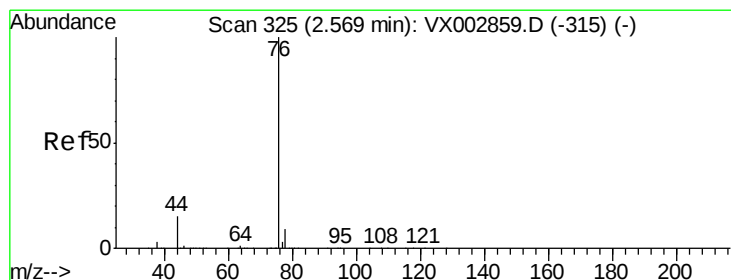
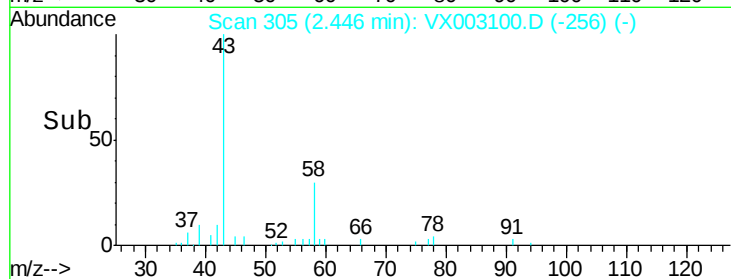
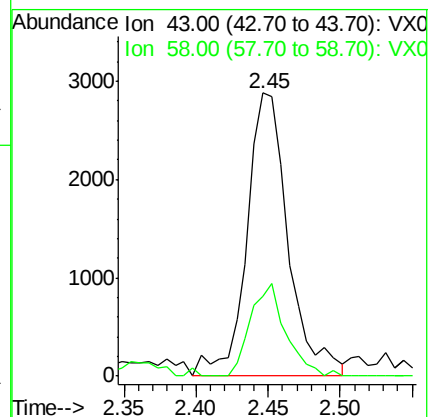
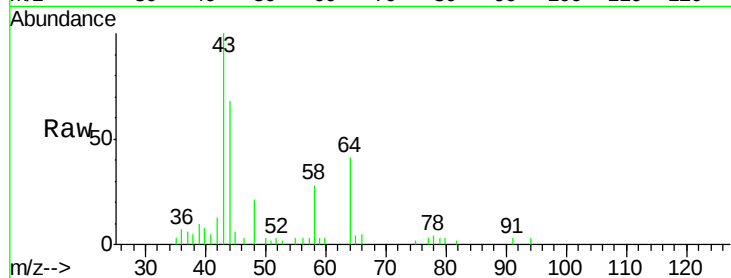
ULMER-PARK-TRIP-BLANK-2-6-26-

Tot Ion: 43 Resp: 5728

Ion Ratio Lower Upper

43 100

58 28.2 22.1 33.1



#17

Carbon Disulfide

Concen: 0.55 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003100.D

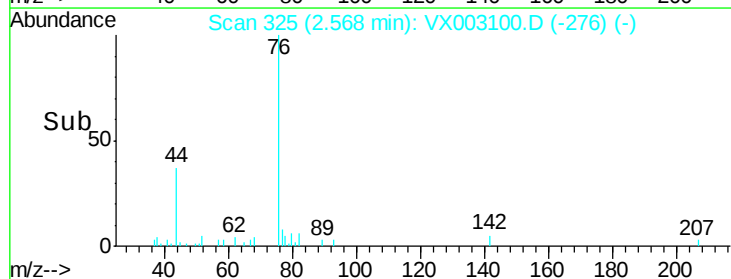
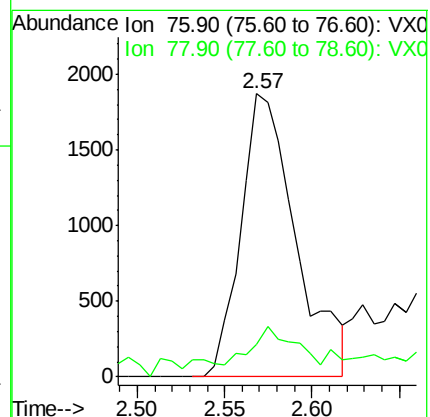
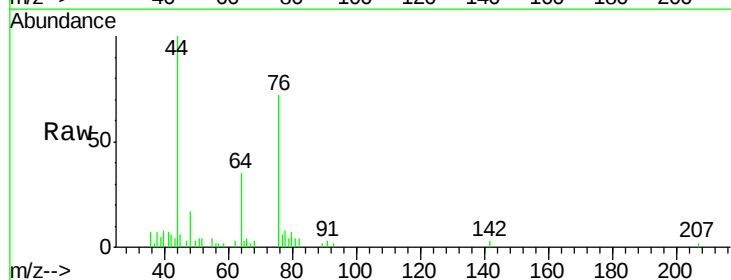
Acq: 01 Jul 2018 02:27

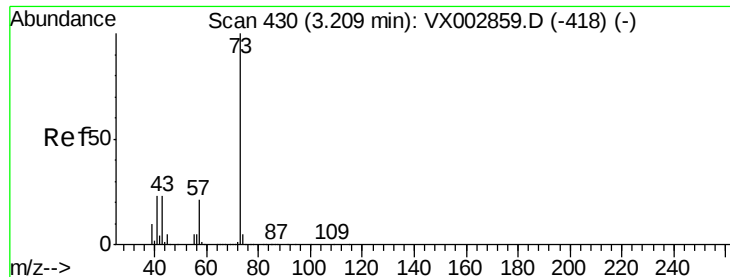
Tgt Ion: 76 Resp: 4106

Ion Ratio Lower Upper

76 100

78 5.3 6.9 10.3#





#19

Methvl tert-butvl Ether

Concen: 0.32 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX003100.D

Acq: 01 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

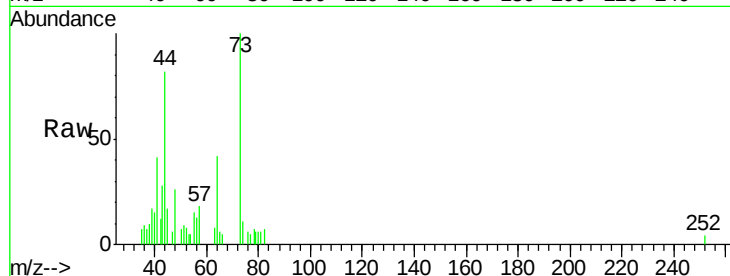
ULMER-PARK-TRIP-BLANK-2-6-26-

Tot Ion: 73 Resp: 3218

Ion Ratio Lower Upper

73 100

57 17.5 17.7 26.5#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

1500

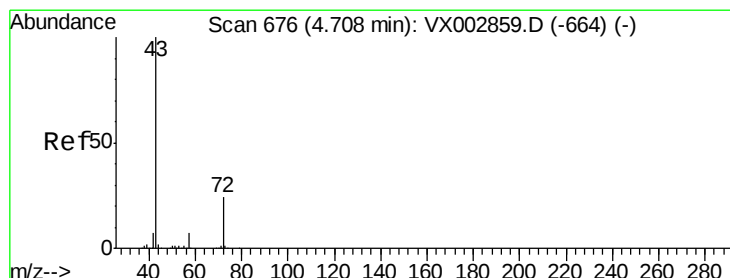
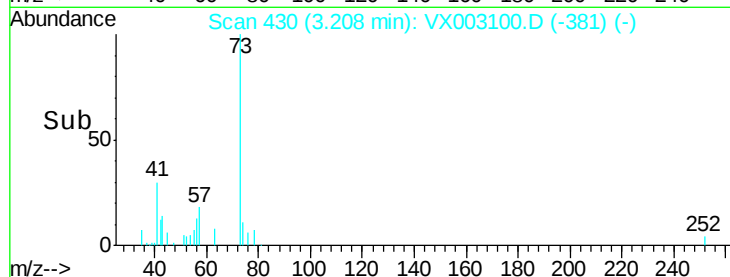
1000

500

0

Time-->

3.15 3.20 3.25 3.30



#25

2-Butanone

Concen: 0.41 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003100.D

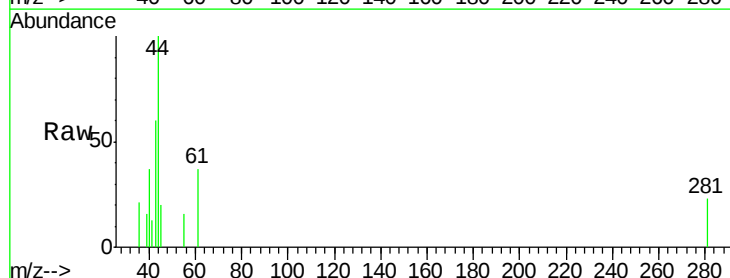
Acq: 01 Jul 2018 02:27

Tgt Ion: 43 Resp: 992

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.72

250

200

150

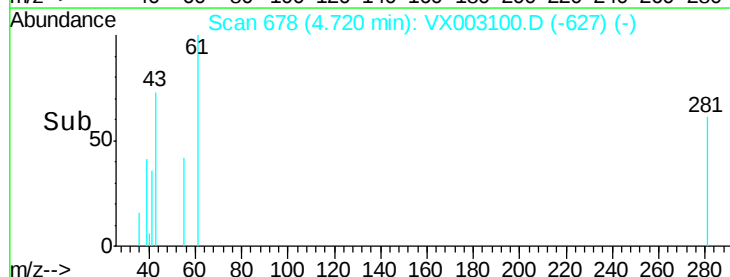
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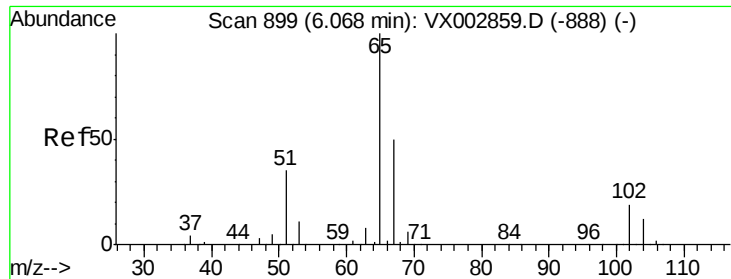
50

0

Time-->

4.65 4.70 4.75 4.80

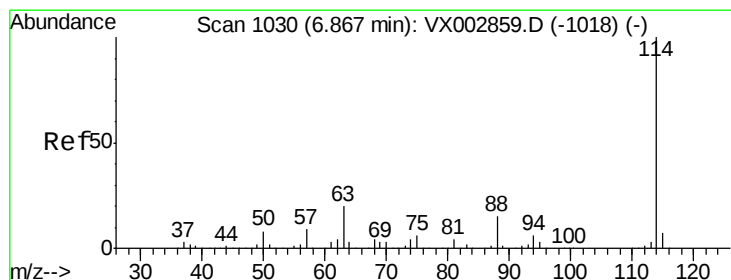
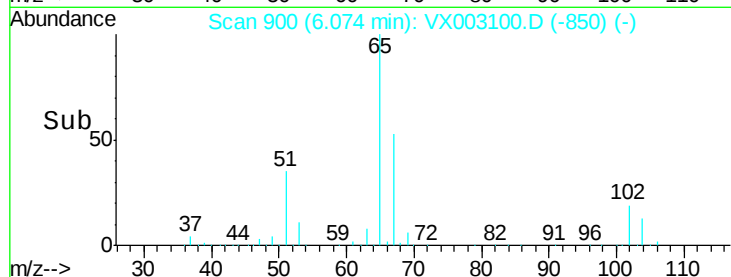
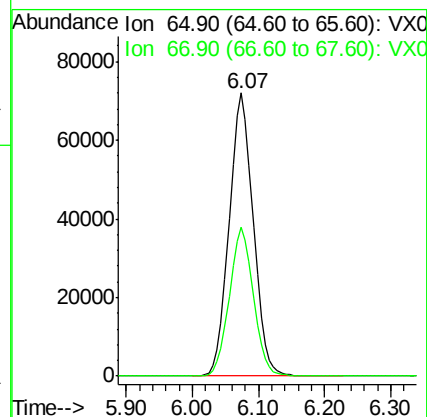
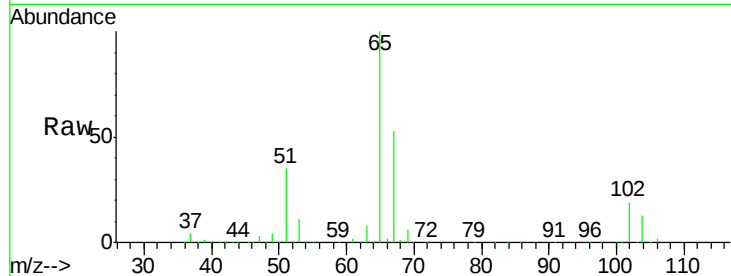




#33
 1,2-Dichloroethane-d4
 Concen: 46.80 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003100.D
 Acq: 01 Jul 2018 02:27

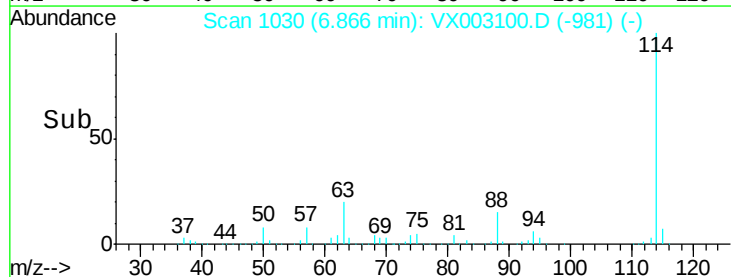
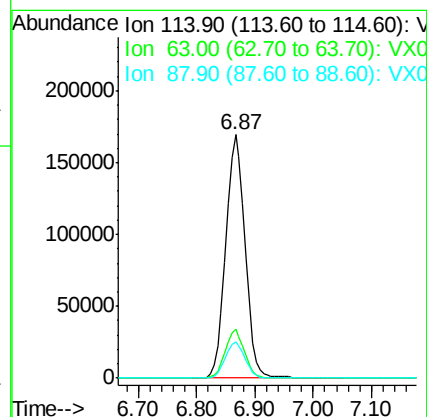
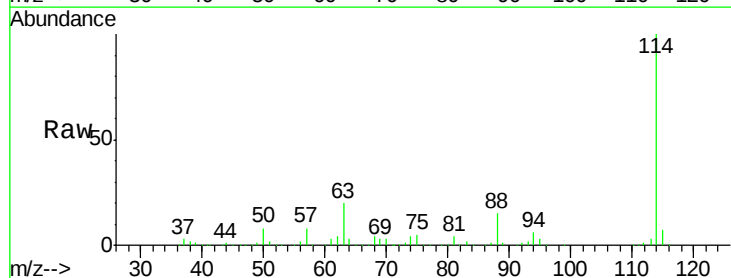
Instrument :
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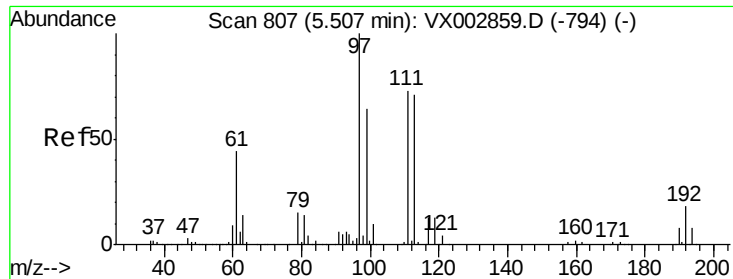
Tot Ion: 65 Resp: 182223
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003100.D
 Acq: 01 Jul 2018 02:27

Tgt Ion: 114 Resp: 390798
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 14.9 0.0 30.0

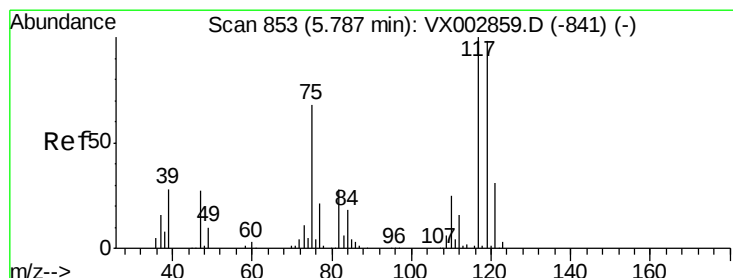
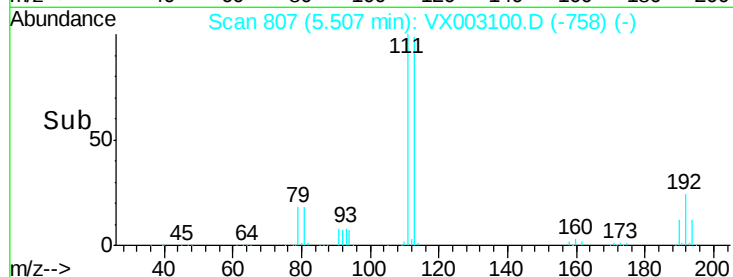
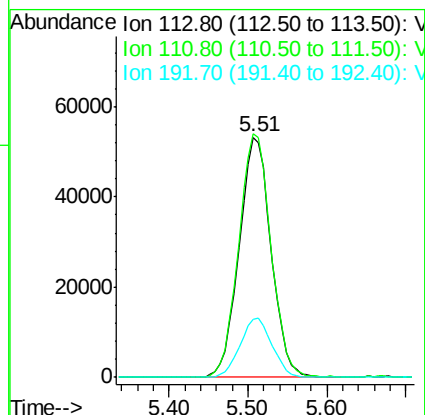
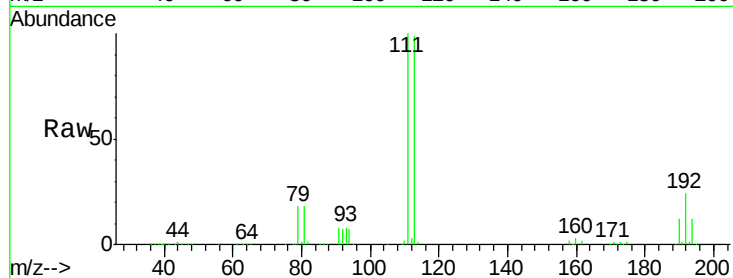




#35
Dibromofluoromethane
Concen: 48.33 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003100.D
Acq: 01 Jul 2018 02:27

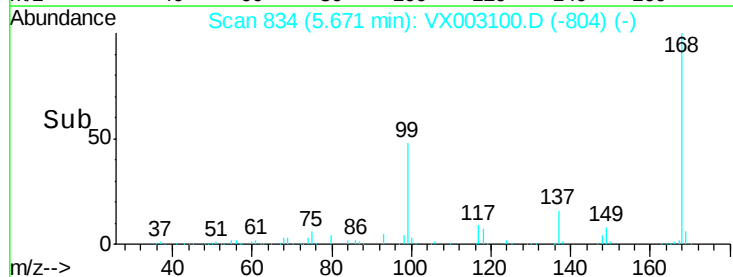
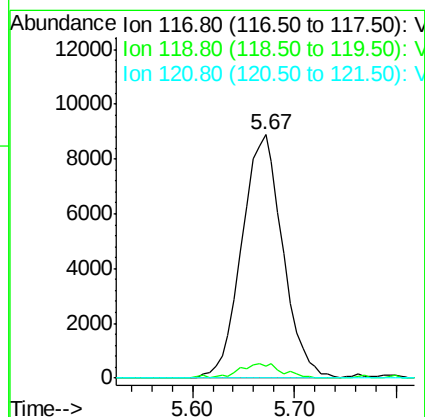
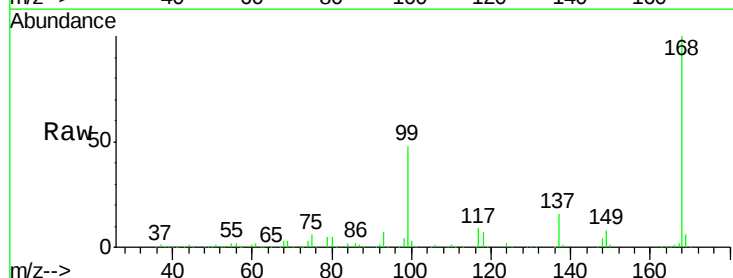
Instrument :
MSVOA_X
ClientSampleId :
ULMER-PARK-TRIP-BLANK-2-6-26-

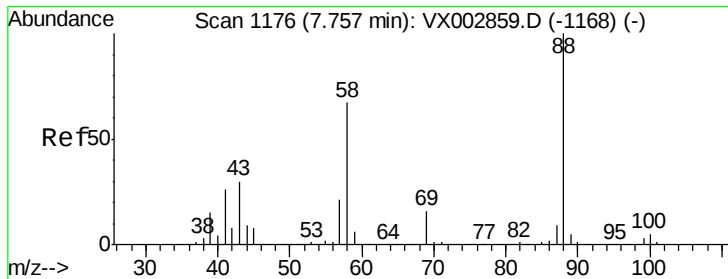
Tot Ion:113 Resp: 149567
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 24.7 19.1 28.7



#38
Carbon Tetrachloride
Concen: 5.27 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX003100.D
Acq: 01 Jul 2018 02:27

Tgt Ion:117 Resp: 24763
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.0#
121 0.0 24.4 36.6#

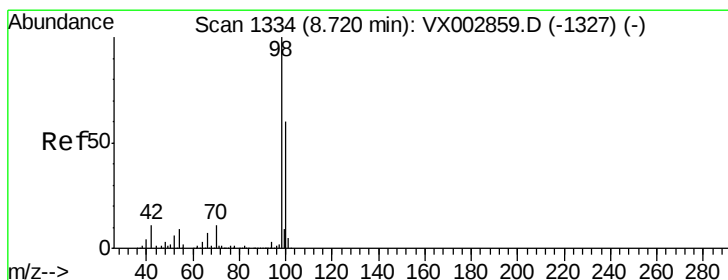
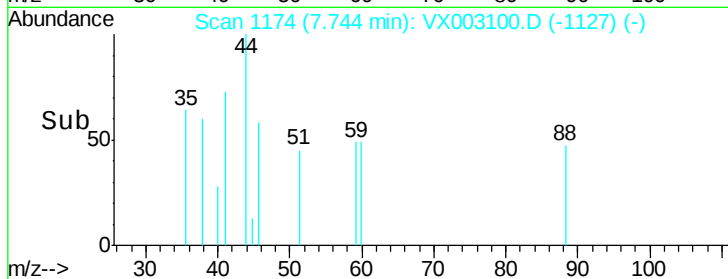
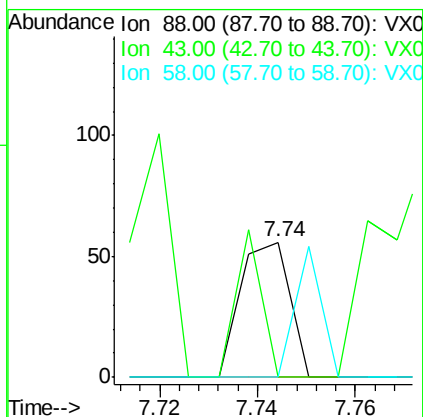
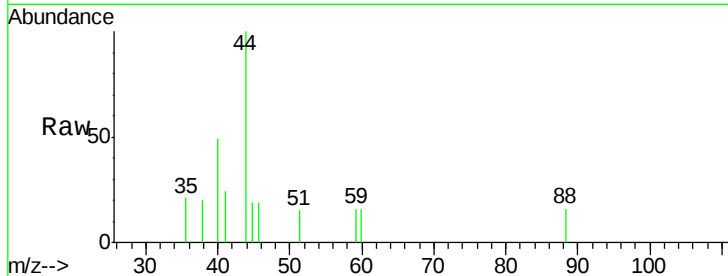




#49
 1,4-Dioxane
 Concen: 0.50 ug/l
 RT: 7.74 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX003100.D
 Acq: 01 Jul 2018 02:27

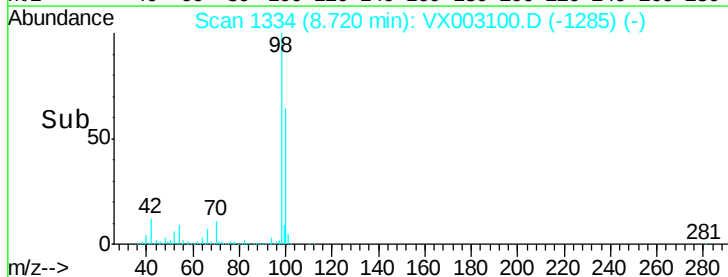
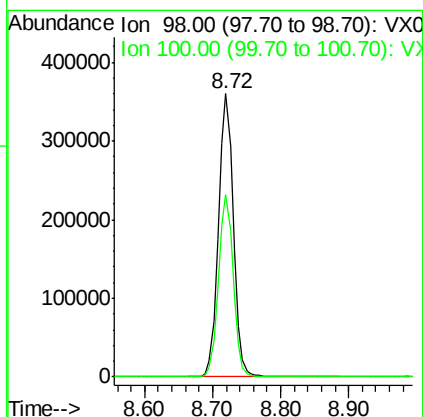
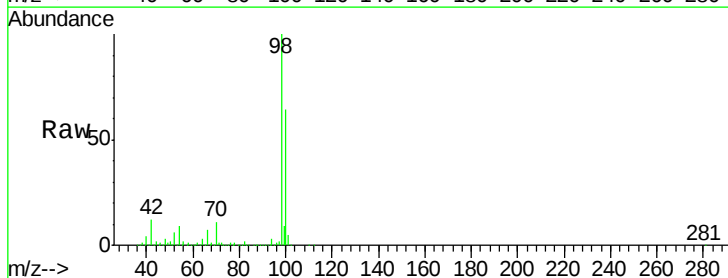
Instrument :
 MSVOA_X
 ClientSampleId :
 ULMER-PARK-TRIP-BLANK-2-6-26-

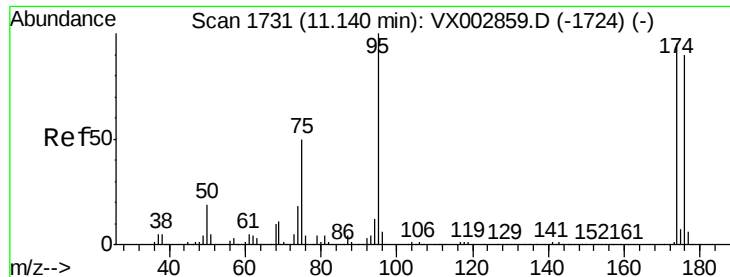
Tot Ion: 88 Resp: 39
 Ion Ratio Lower Upper
 88 100
 43 56.4 29.8 44.6#
 58 51.3 57.1 85.7#



#50
 Toluene-d8
 Concen: 48.13 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003100.D
 Acq: 01 Jul 2018 02:27

Tgt Ion: 98 Resp: 543910
 Ion Ratio Lower Upper
 98 100
 100 64.0 50.9 76.3

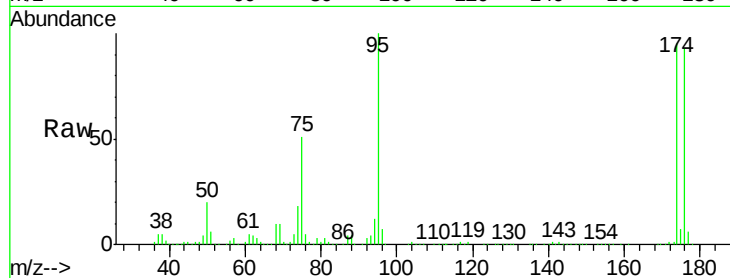




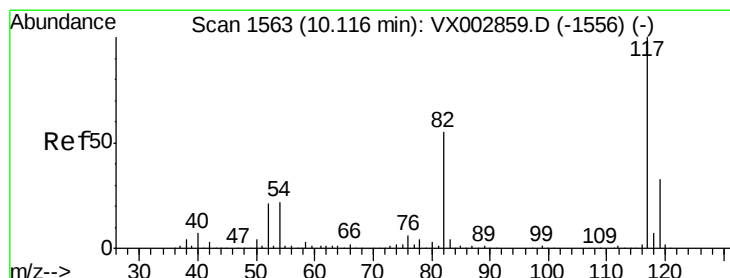
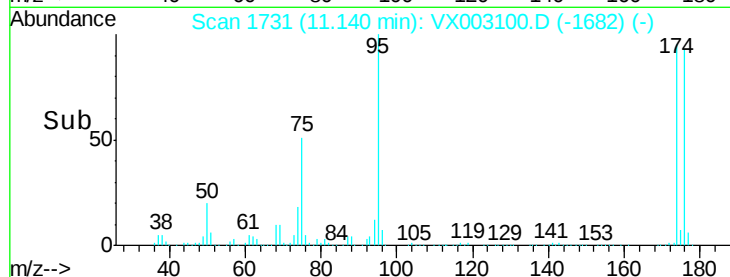
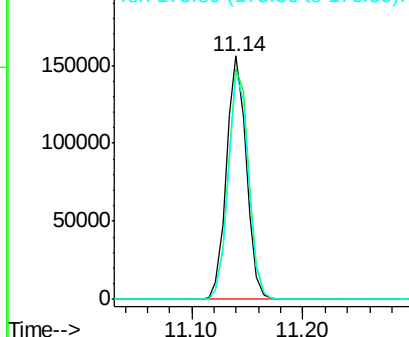
#62
4-Bromofluorobenzene
Concen: 44.07 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003100.D
Acq: 01 Jul 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
ULMER-PARK-TRIP-BLANK-2-6-26-

Tot Ion: 95 Resp: 192078
Ion Ratio Lower Upper
95 100
174 98.1 0.0 187.4
176 94.5 0.0 181.0

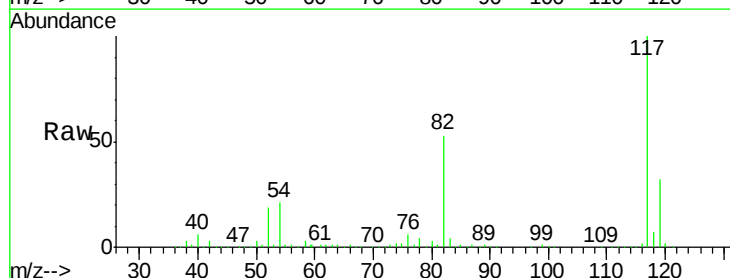


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

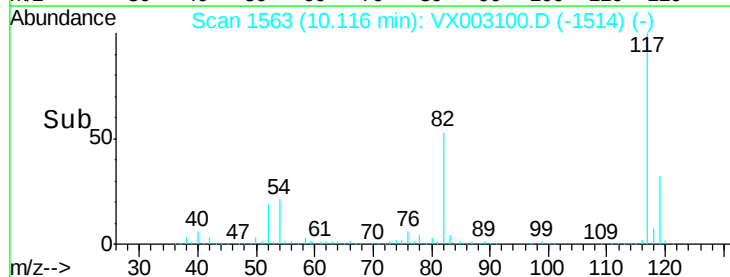
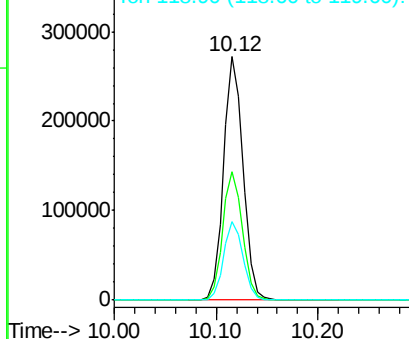


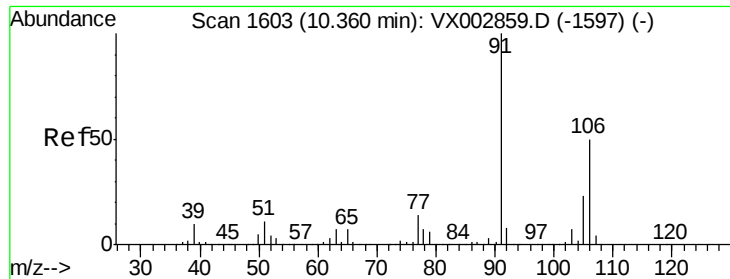
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003100.D
Acq: 01 Jul 2018 02:27

Tgt Ion: 117 Resp: 361188
Ion Ratio Lower Upper
117 100
82 52.9 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

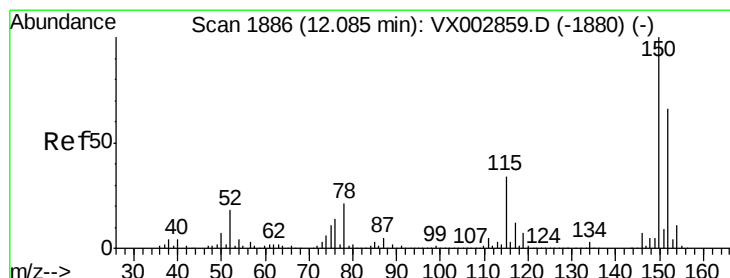
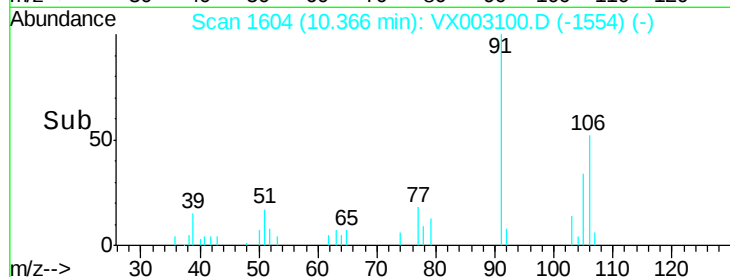
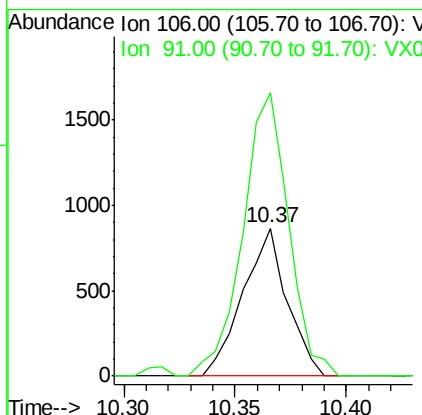
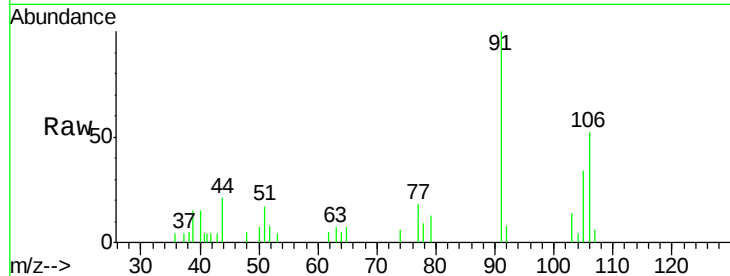




#68
m/p-Xvlenes
Concen: 0.21 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003100.D
Acq: 01 Jul 2018 02:27

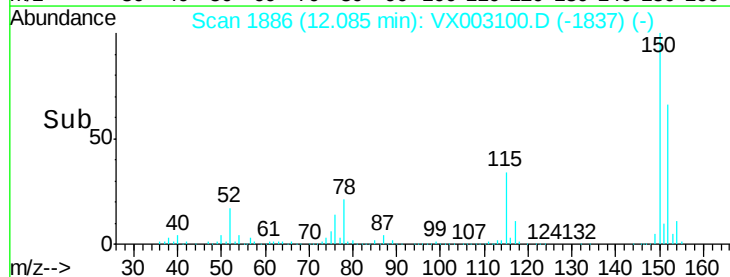
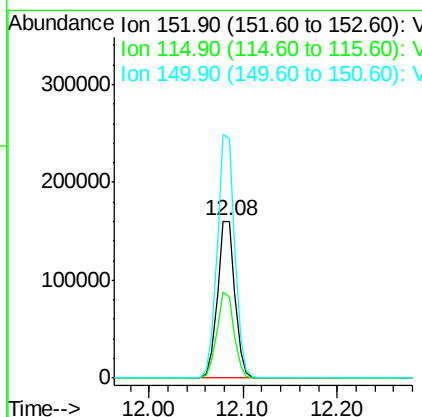
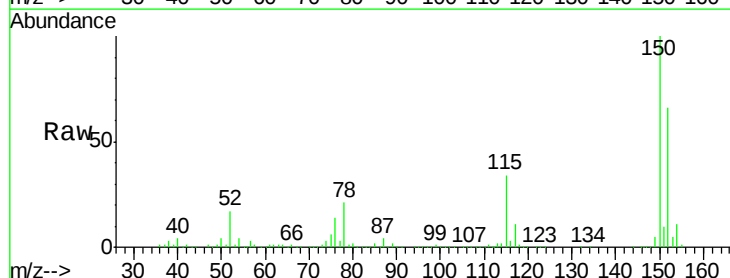
Instrument :
MSVOA_X
ClientSampleId :
ULMER-PARK-TRIP-BLANK-2-6-26-

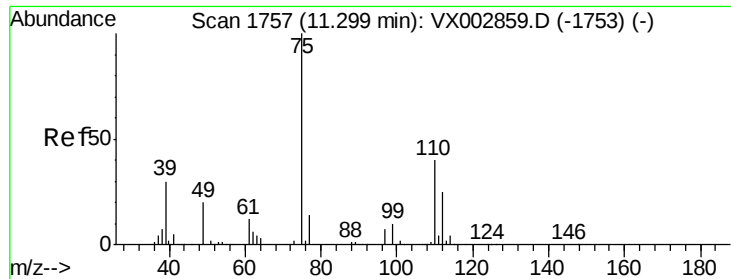
Tot Ion:106 Resp: 1199
Ion Ratio Lower Upper
106 100
91 198.6 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003100.D
Acq: 01 Jul 2018 02:27

Tgt Ion:152 Resp: 205980
Ion Ratio Lower Upper
152 100
115 53.9 40.1 120.2
150 155.4 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 26.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003100.D

Acq: 01 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

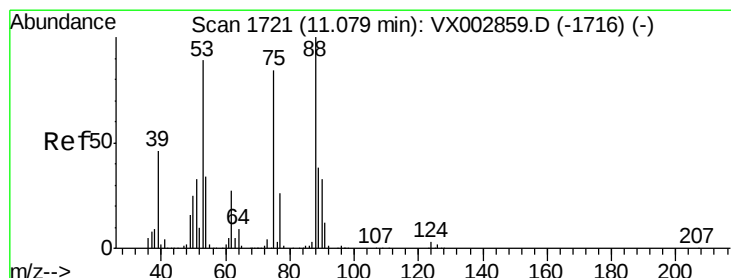
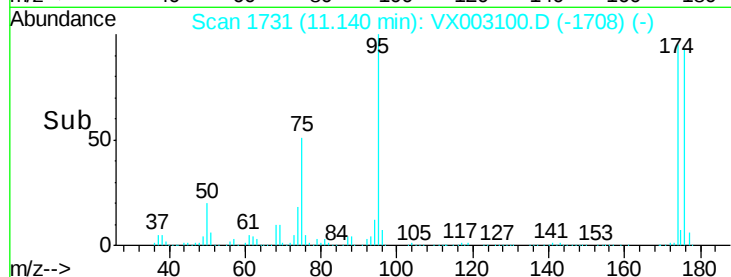
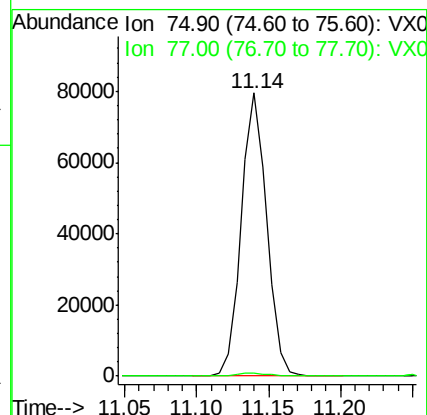
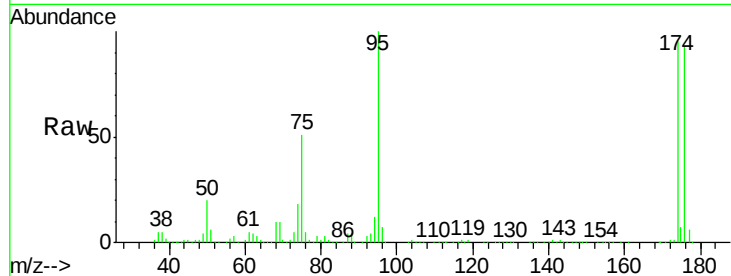
ULMER-PARK-TRIP-BLANK-2-6-26-

Tot Ion: 75 Resp: 97819

Ion Ratio Lower Upper

75 100

77 1.3 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003100.D

Acq: 01 Jul 2018 02:27

Tgt Ion: 75 Resp: 97819

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

