

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005430.D
 Acq On : 18 Oct 2018 15:16
 Operator : JC/MD
 Sample : J5586-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LCS-5-WEST-DRAIN-PIPE

Quant Time: Oct 19 03:33:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	470373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198331	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	181234	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.50	113	146823	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	8.71	98	545620	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.14	95	181529	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

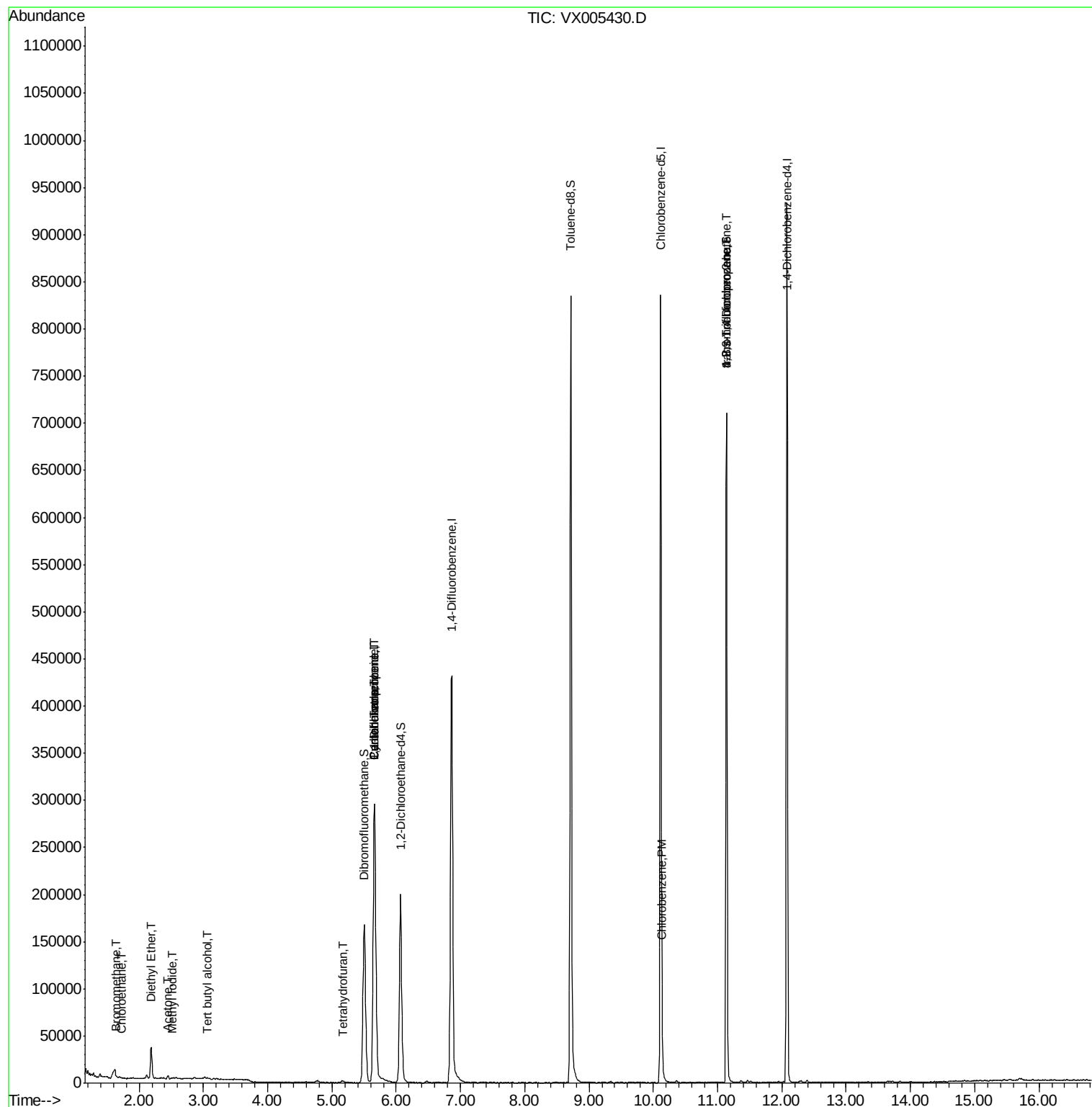
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	720	0.922	ug/l	83
6) Chloroethane	1.72	64	253	0.438	ug/l #	45
8) Diethyl Ether	2.19	74	7476	3.516	ug/l	97
10) Methyl Iodide	2.52	142	611	2.673	ug/l #	70
11) Tert butyl alcohol	3.06	59	1556	1.529	ug/l #	86
13) Acrolein	2.30	56	23	Below Cal	#	1
16) Acetone	2.45	43	2713	1.300	ug/l #	83
20) Methylene Chloride	2.86	84	703	Below Cal	#	88
29) Tetrahydrofuran	5.17	42	2034	1.045	ug/l #	79
31) Cyclohexane	5.66	56	5301	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20465	4.492	ug/l #	49
38) Carbon Tetrachloride	5.66	117	28370	6.198	ug/l #	14
44) Trichloroethene	7.21	130	136	Below Cal		80
65) Chlorobenzene	10.14	112	6300	0.729	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	87188	22.664	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	87188	68.863	ug/l #	10

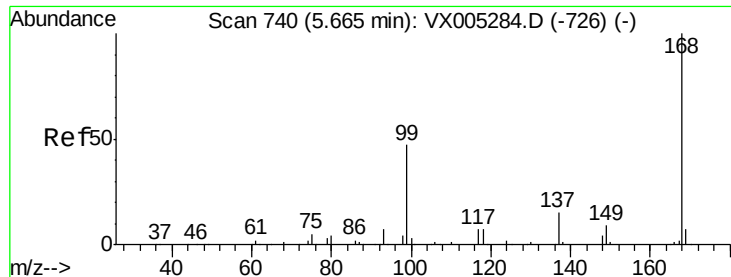
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

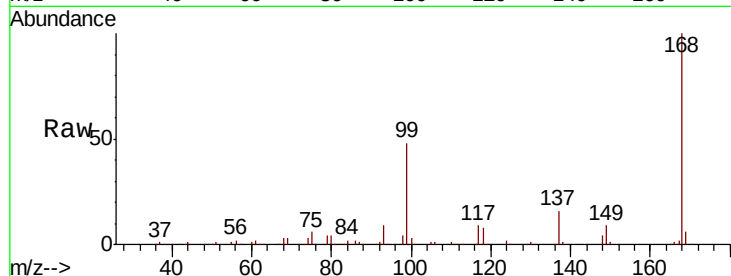
LCS-5-WEST-DRAIN-PIPE

Tot Ion:168 Resp: 325122

Ion Ratio Lower Upper

168 100

99 48.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

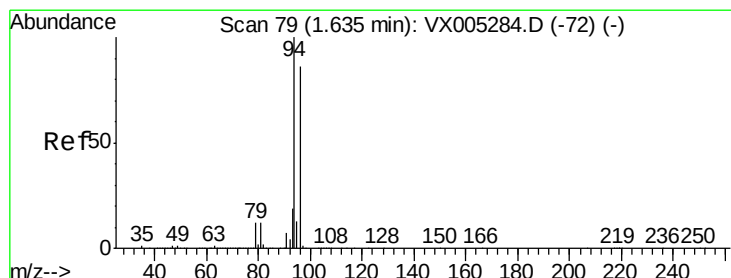
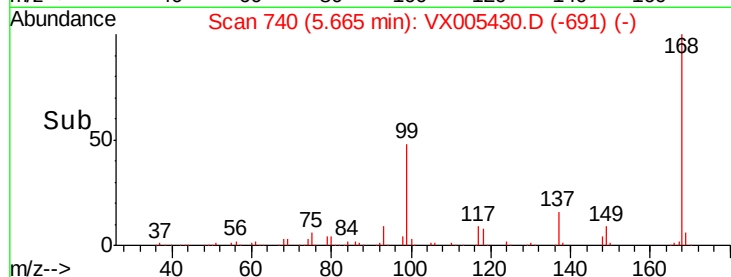
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.922 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005430.D

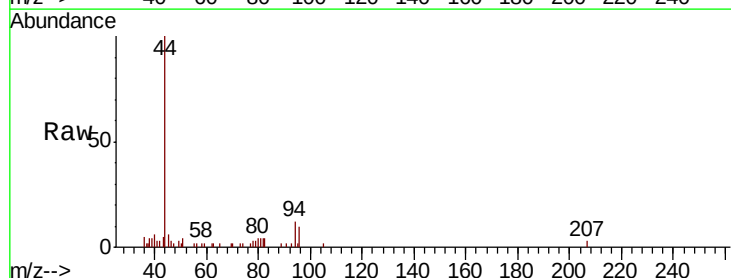
Acq: 18 Oct 2018 15:16

Tgt Ion: 94 Resp: 720

Ion Ratio Lower Upper

94 100

96 76.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

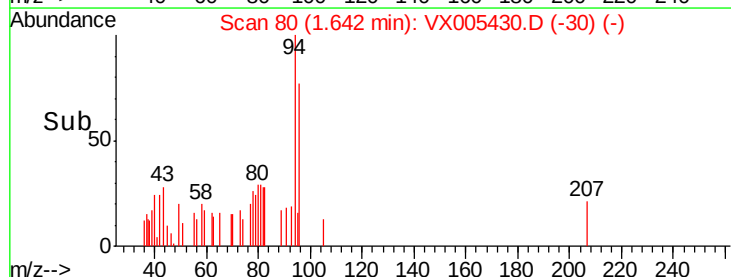
300

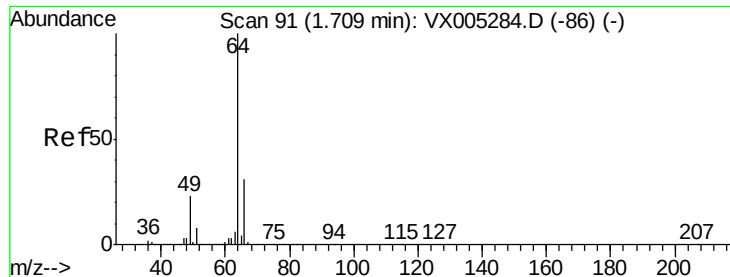
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.438 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

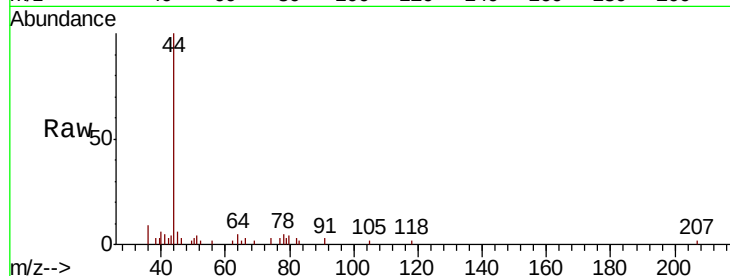
LCS-5-WEST-DRAIN-PIPE

Tot Ion: 64 Resp: 253

Ion Ratio Lower Upper

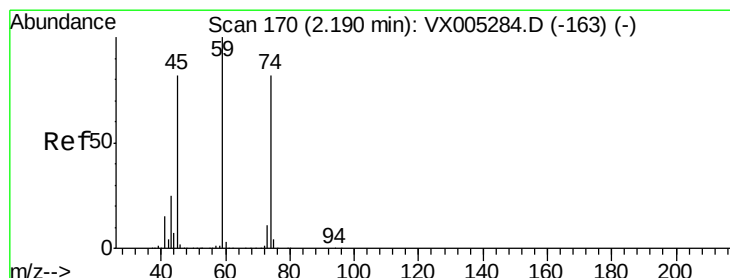
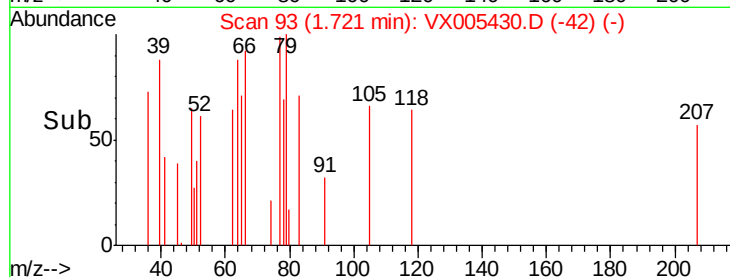
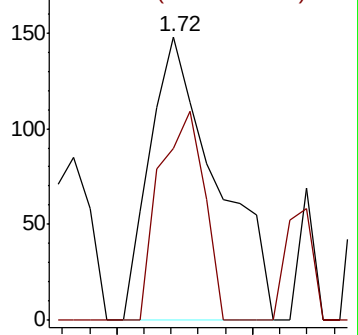
64 100

66 60.8 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 3.516 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX005430.D

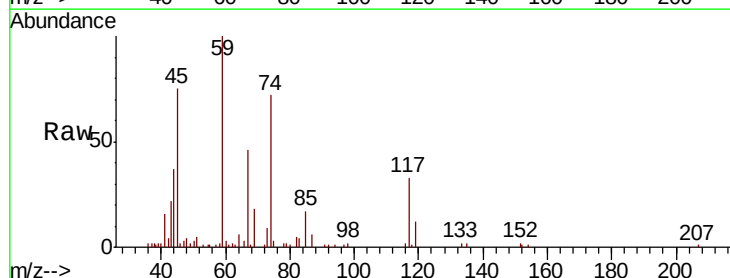
Acq: 18 Oct 2018 15:16

Tgt Ion: 74 Resp: 7476

Ion Ratio Lower Upper

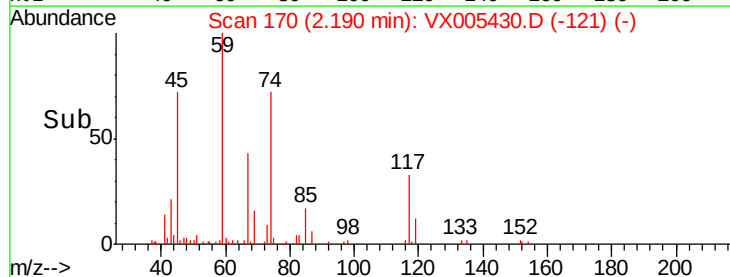
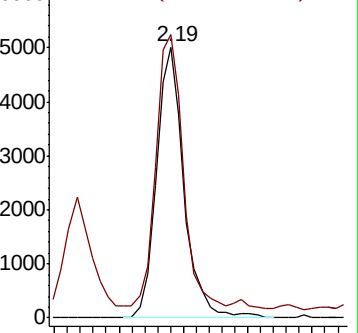
74 100

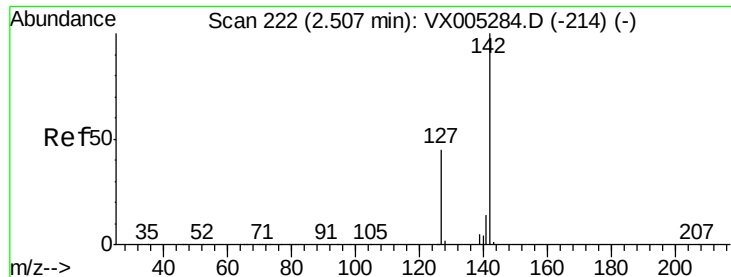
45 99.3 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methvl Iodide

Concen: 2.673 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

LCS-5-WEST-DRAIN-PIPE

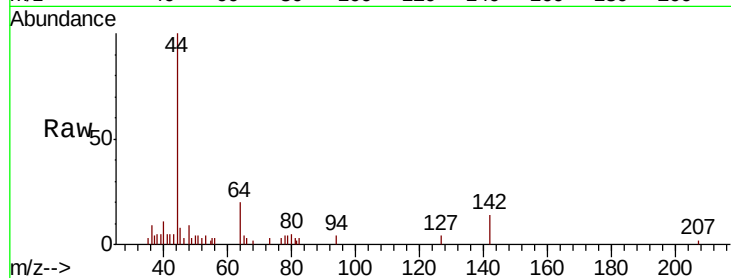
Tot Ion:142 Resp: 611

Ion Ratio Lower Upper

142 100

127 22.3 33.8 50.6#

141 3.4 11.4 17.0#



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

400

300

200

100

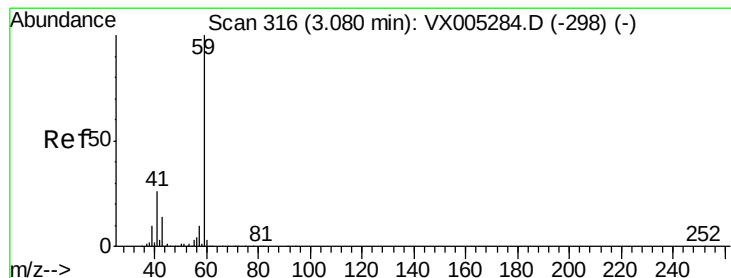
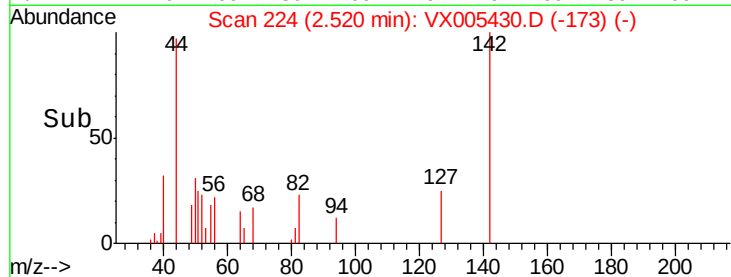
0

2.52

2.50

2.45

Time-->



#11

Tert butyl alcohol

Concen: 1.529 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX005430.D

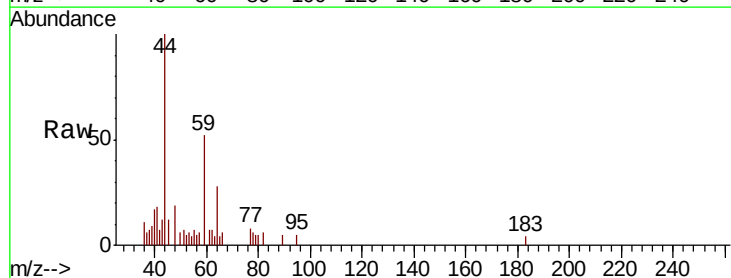
Acq: 18 Oct 2018 15:16

Tgt Ion: 59 Resp: 1556

Ion Ratio Lower Upper

59 100

57 15.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

800

600

400

200

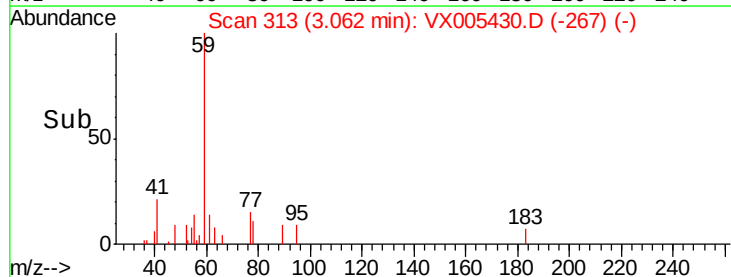
0

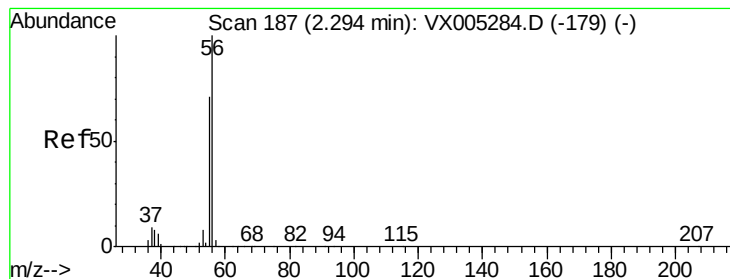
3.06

3.05

3.10

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

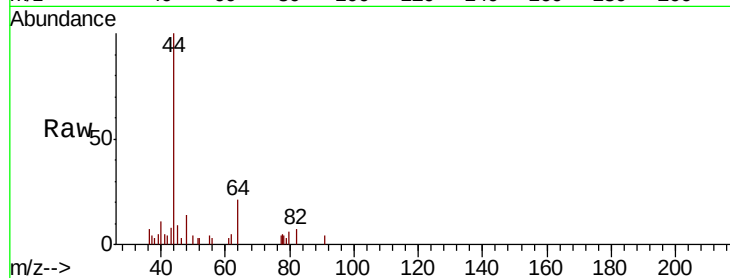
LCS-5-WEST-DRAIN-PIPE

Tot Ion: 56 Resp: 23

Ion Ratio Lower Upper

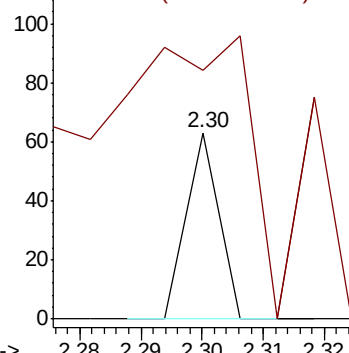
56 100

55 673.9 54.7 82.1#

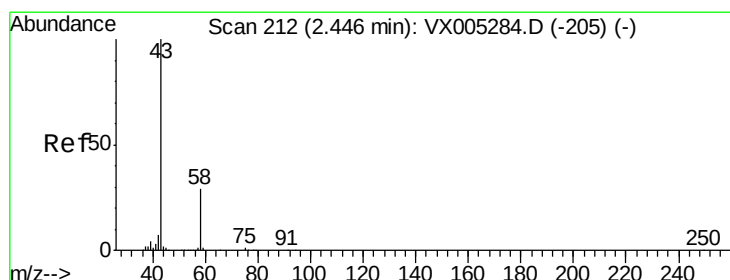
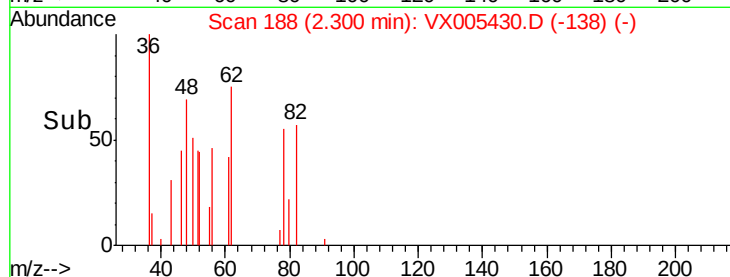


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.300 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005430.D

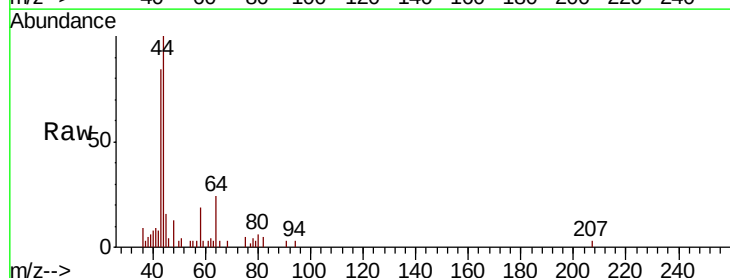
Acq: 18 Oct 2018 15:16

Tgt Ion: 43 Resp: 2713

Ion Ratio Lower Upper

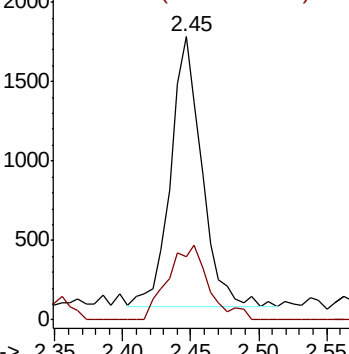
43 100

58 23.3 26.2 39.4#

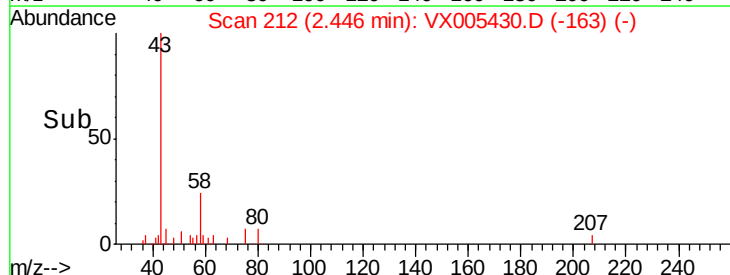


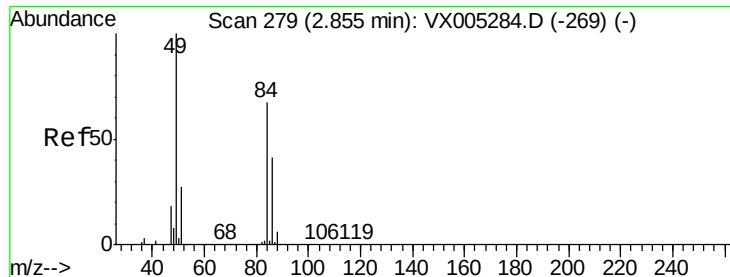
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

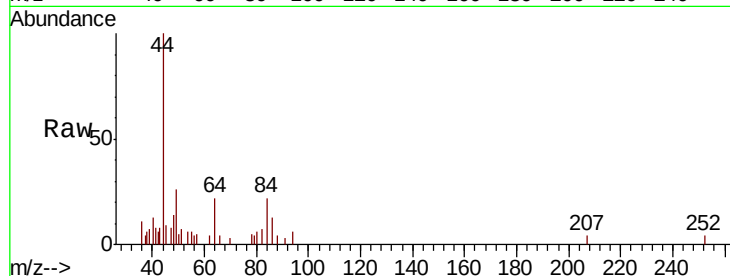




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005430.D
Acq: 18 Oct 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
LCS-5-WEST-DRAIN-PIPE

Tot Ion:	84	Resp:	703
Ion	Ratio	Lower	Upper
84	100		
49	119.9	101.2	151.8
51	14.1	29.5	44.3#
86	59.2	52.3	78.5



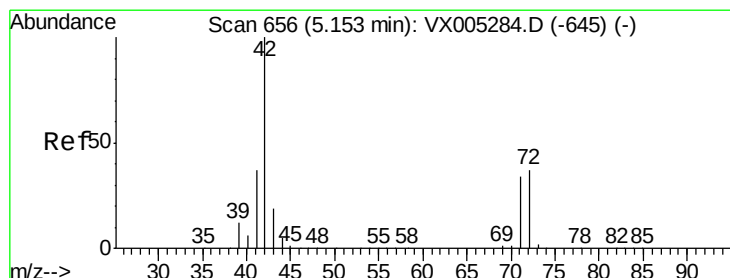
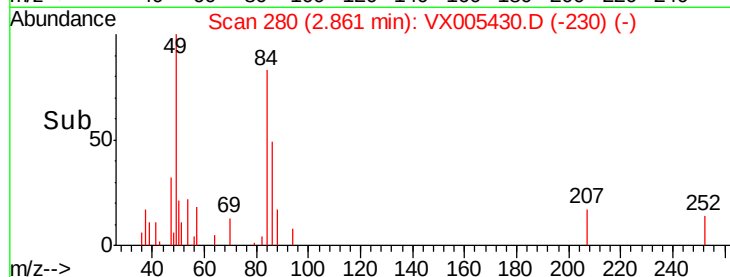
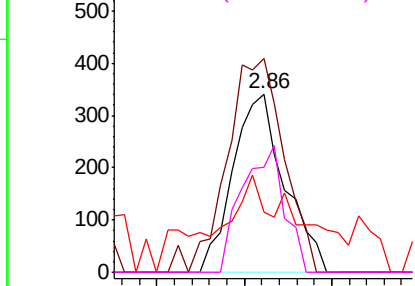
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

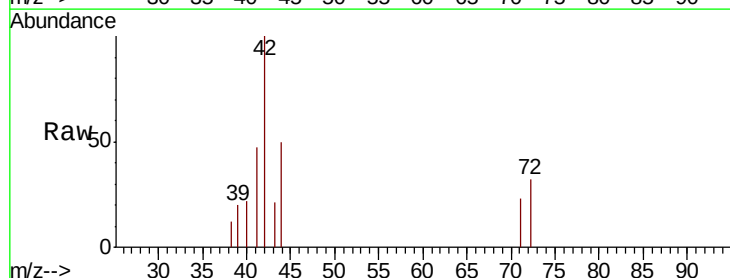
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29
Tetrahydrofuran
Concen: 1.045 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX005430.D
Acq: 18 Oct 2018 15:16

Tgt Ion:	42	Resp:	2034
Ion	Ratio	Lower	Upper
42	100		
72	41.2	37.4	56.0
71	20.8	34.5	51.7#

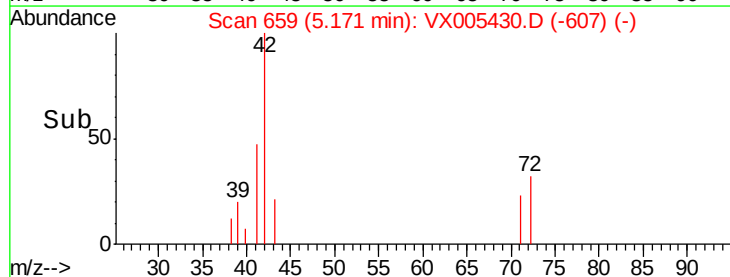
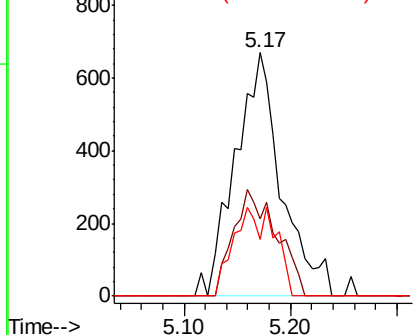


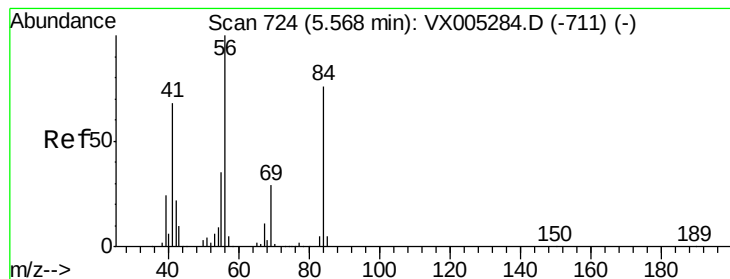
Abundance

Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.069 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

Instrument :

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ClientSampleId :

LCS-5-WEST-DRAIN-PIPE

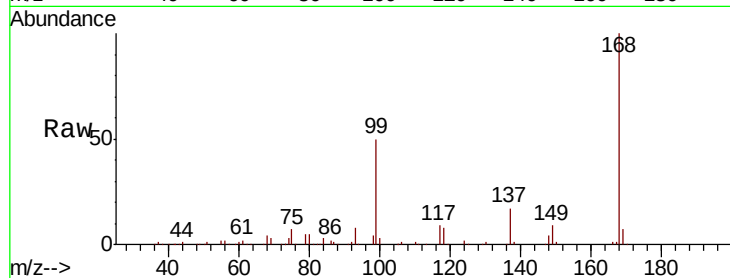
Tot Ion: 56 Resp: 5301

Ion Ratio Lower Upper

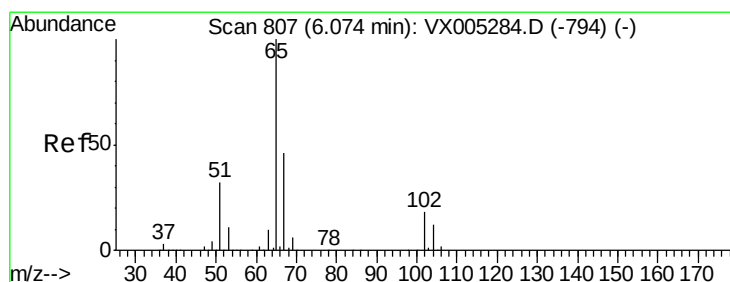
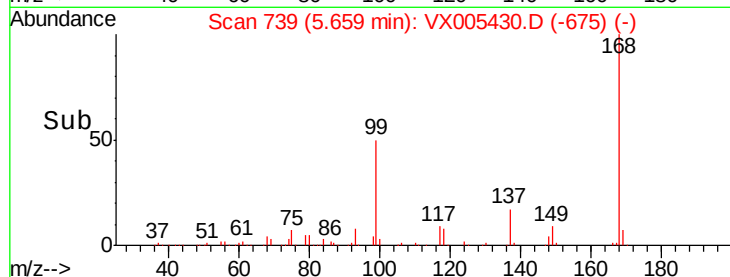
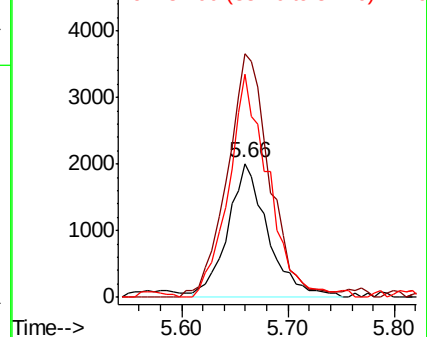
56 100

69 177.1 25.4 38.2#

84 166.4 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.226 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005430.D

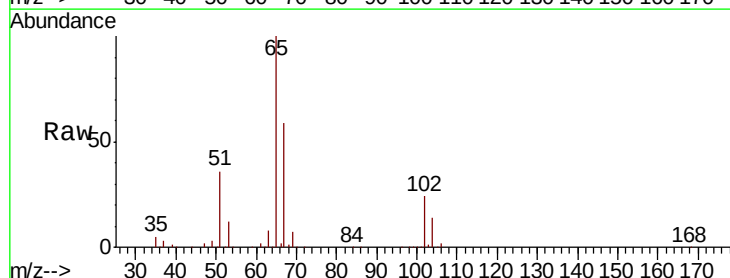
Acq: 18 Oct 2018 15:16

Tgt Ion: 65 Resp: 181234

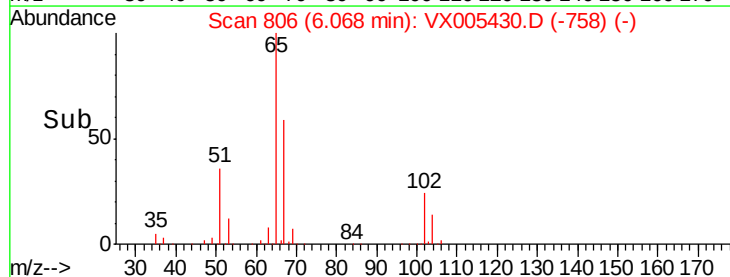
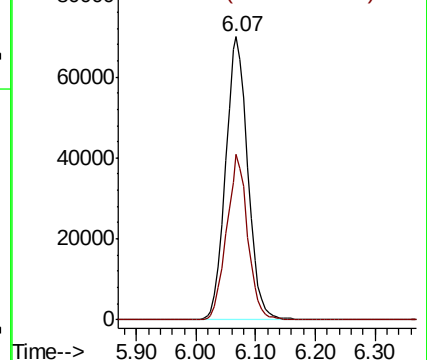
Ion Ratio Lower Upper

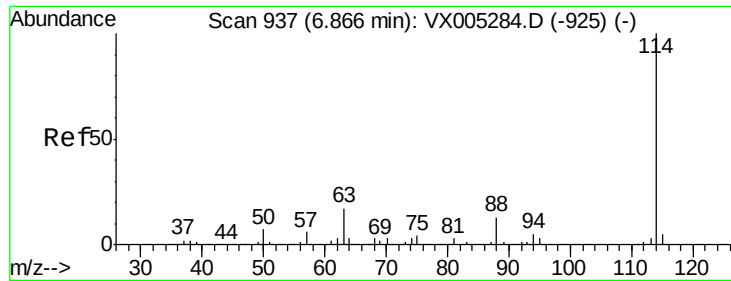
65 100

67 55.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

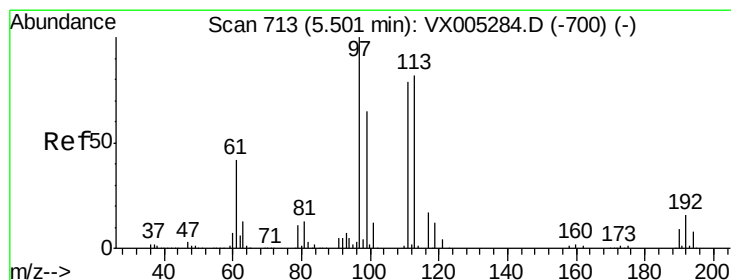
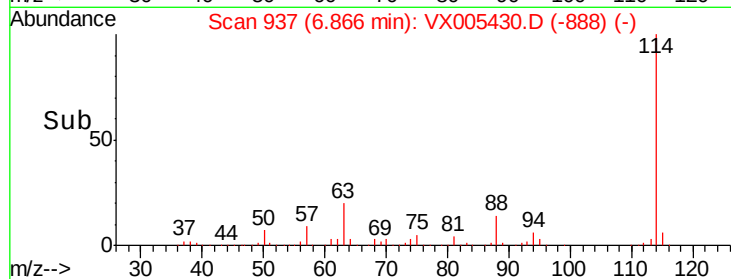
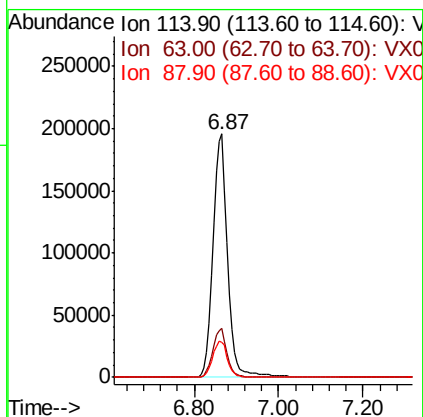
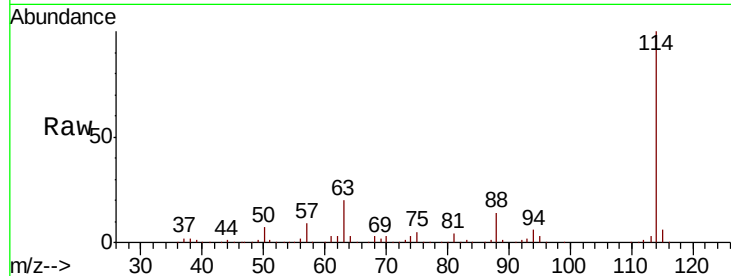




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VX005430.D
 Acq: 18 Oct 2018 15:16

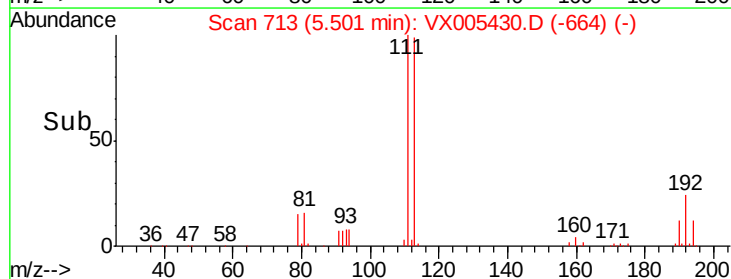
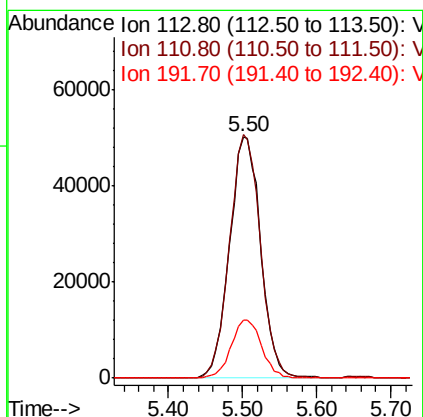
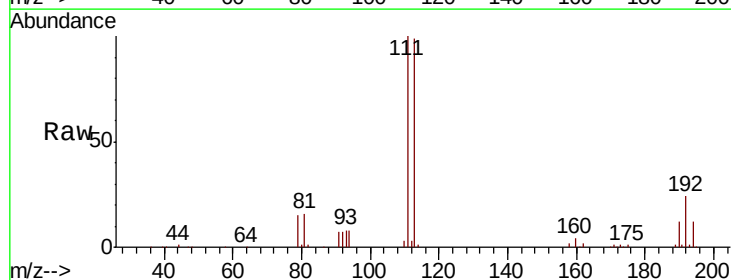
Instrument :
 MSVOA_X
 ClientSampleId :
 LCS-5-WEST-DRAIN-PIPE

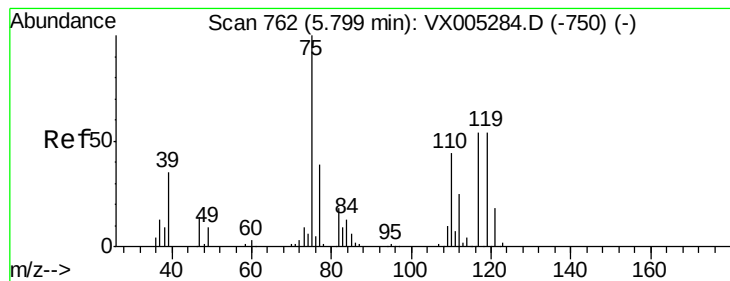
Tot Ion:114 Resp: 470373
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 14.4 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 47.128 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005430.D
 Acq: 18 Oct 2018 15:16

Tgt Ion:113 Resp: 146823
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.4 123.6
 192 23.7 19.4 29.2





#36

1,1-Dichloropropene

Concen: 4.492 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

LCS-5-WEST-DRAIN-PIPE

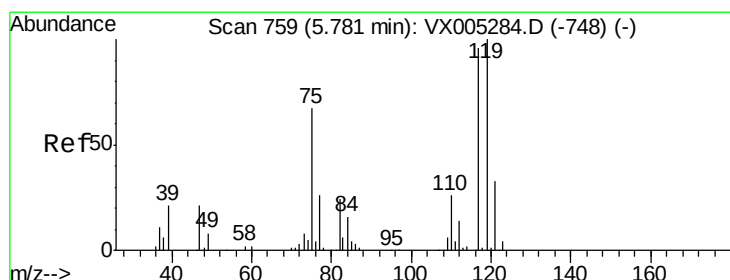
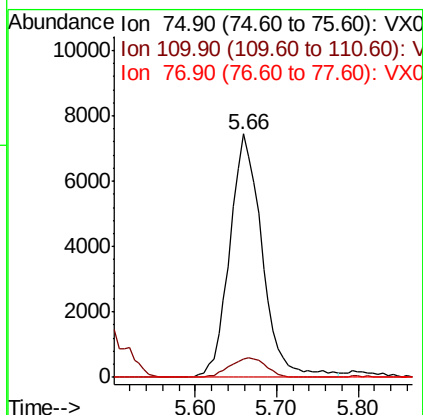
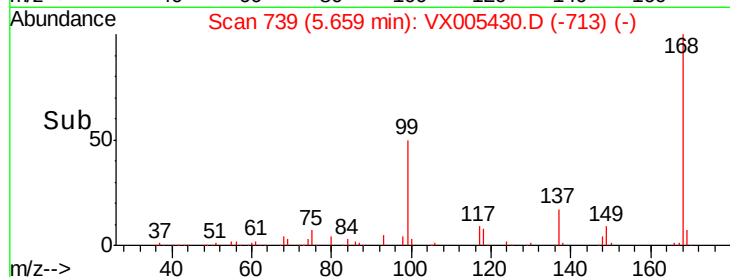
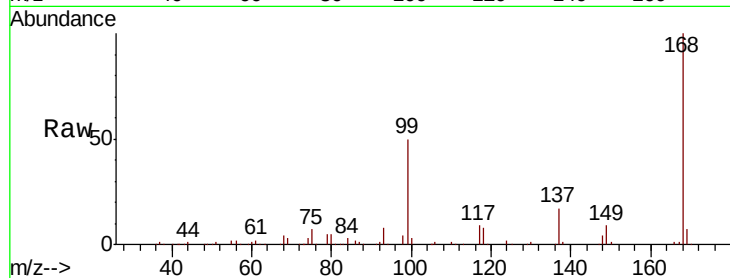
Tot Ion: 75 Resp: 20465

Ion Ratio Lower Upper

75 100

110 9.0 18.0 54.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.198 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

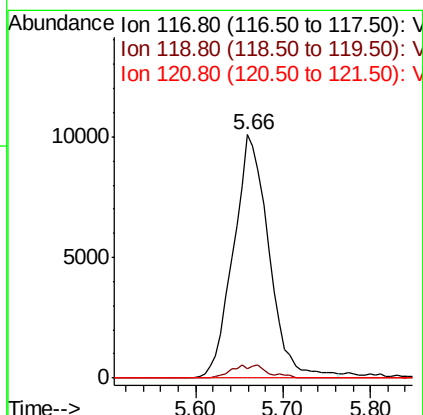
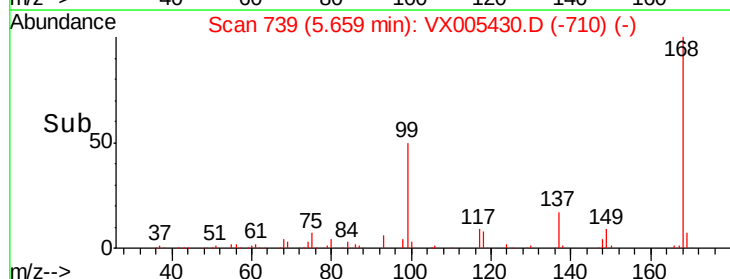
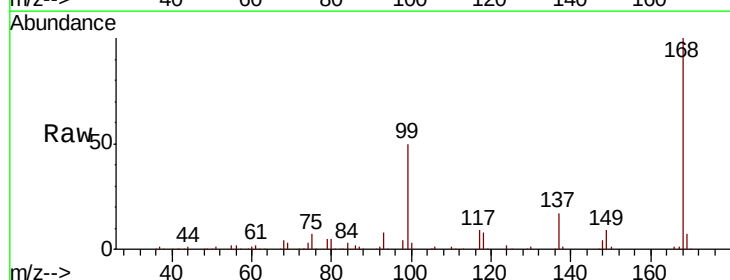
Tgt Ion: 117 Resp: 28370

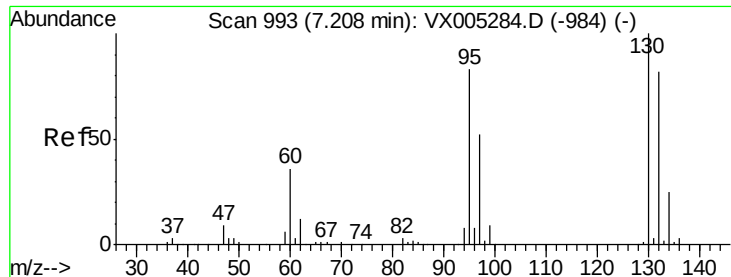
Ion Ratio Lower Upper

117 100

119 4.0 78.8 118.2#

121 0.0 24.9 37.3#





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

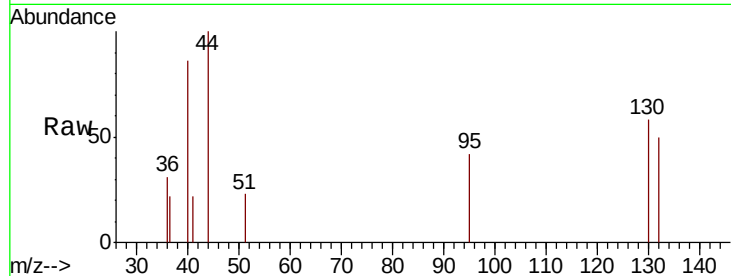
LCS-5-WEST-DRAIN-PIPE

Tot Ion:130 Resp: 136

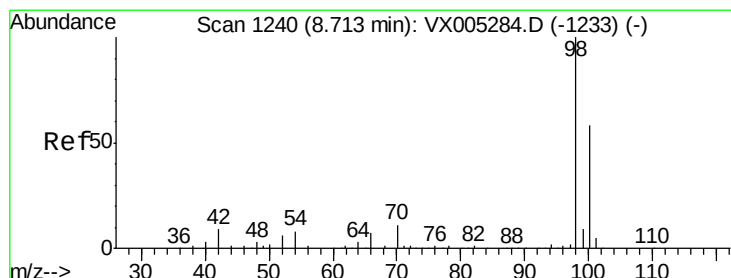
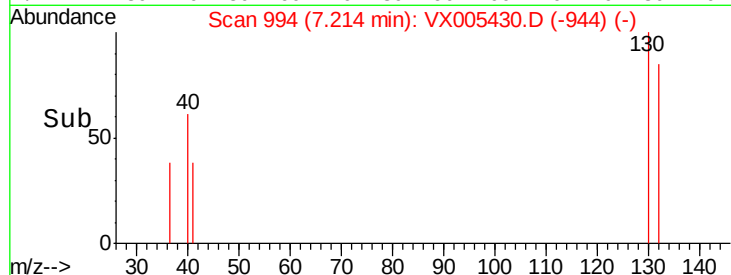
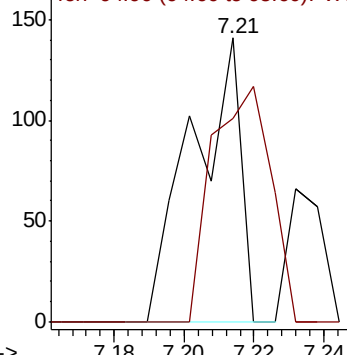
Ion Ratio Lower Upper

130 100

95 71.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005284.D (-984) (-)



#50

Toluene-d8

Concen: 51.015 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005430.D

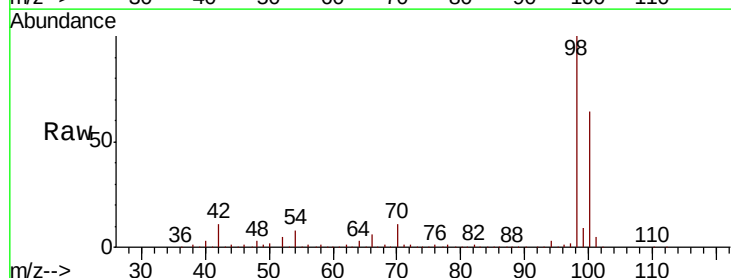
Acq: 18 Oct 2018 15:16

Tgt Ion: 98 Resp: 545620

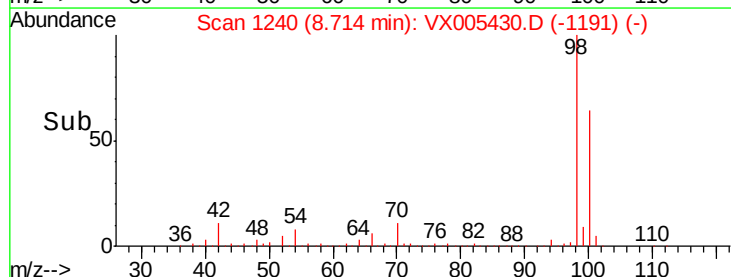
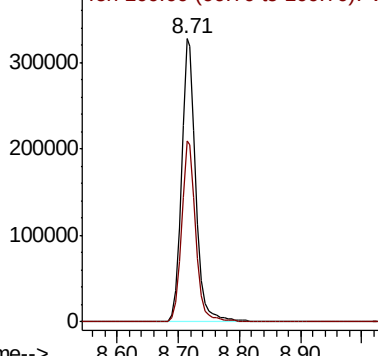
Ion Ratio Lower Upper

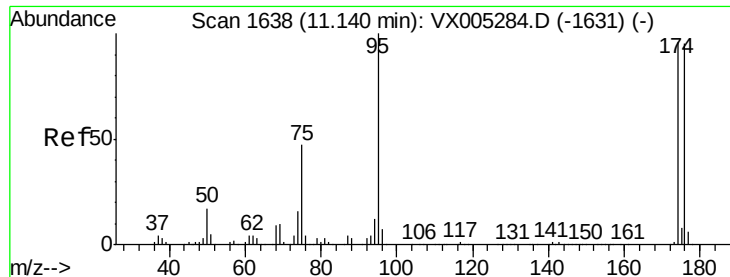
98 100

100 64.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX005284.D (-1233) (-)

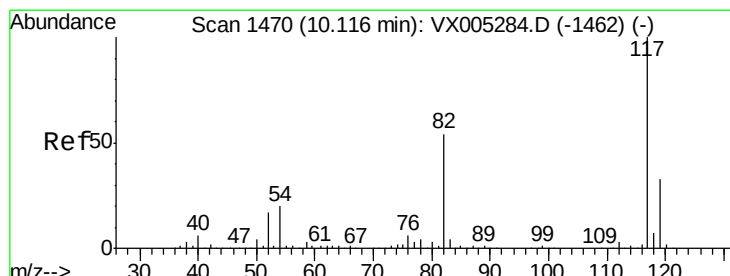
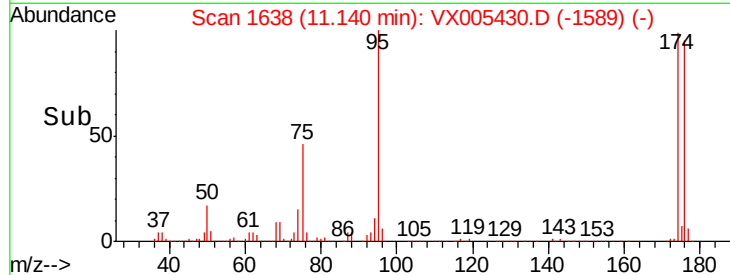
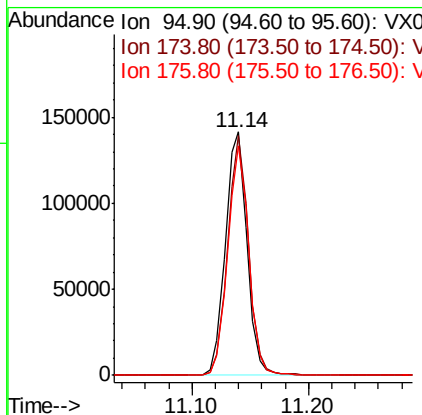
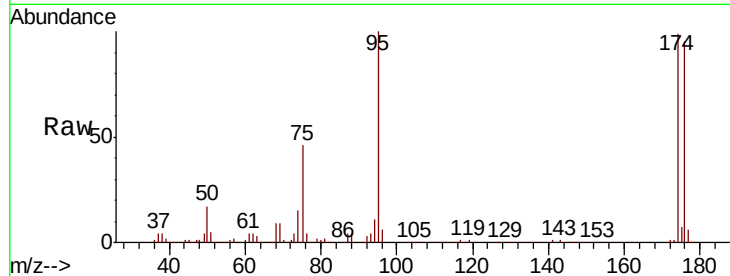




#62
 4-Bromofluorobenzene
 Concen: 45.180 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005430.D
 Acq: 18 Oct 2018 15:16

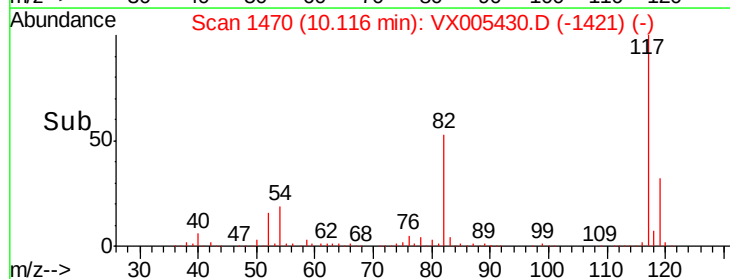
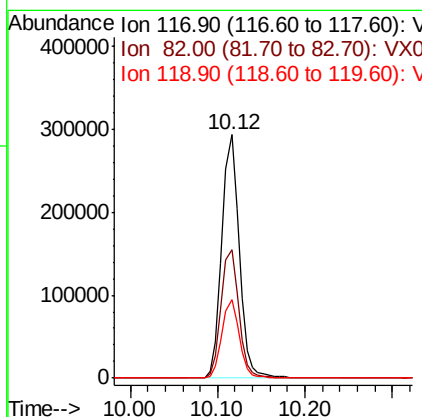
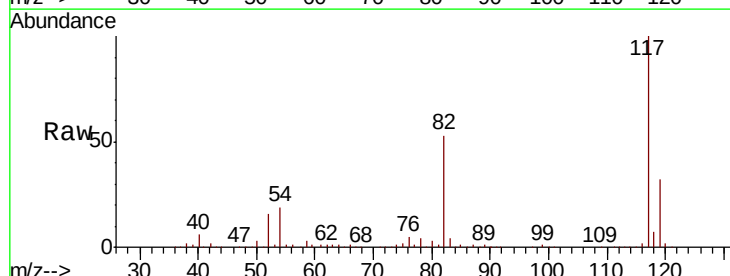
Instrument :
 MSVOA_X
 ClientSampleId :
 LCS-5-WEST-DRAIN-PIPE

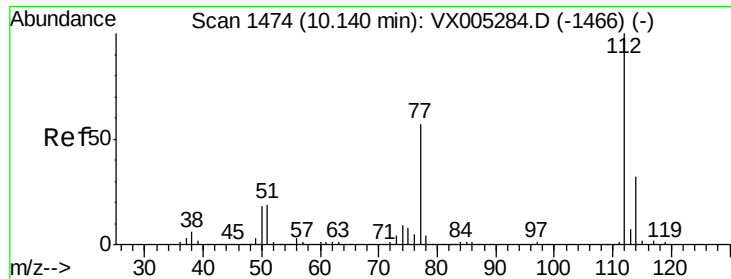
Tot Ion: 95 Resp: 181529
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 185.2
 176 92.4 0.0 178.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VX005430.D
 Acq: 18 Oct 2018 15:16

Tgt Ion: 117 Resp: 406272
 Ion Ratio Lower Upper
 117 100
 82 52.7 47.8 71.6
 119 32.4 29.3 43.9





#65

Chlorobenzene

Concen: 0.729 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

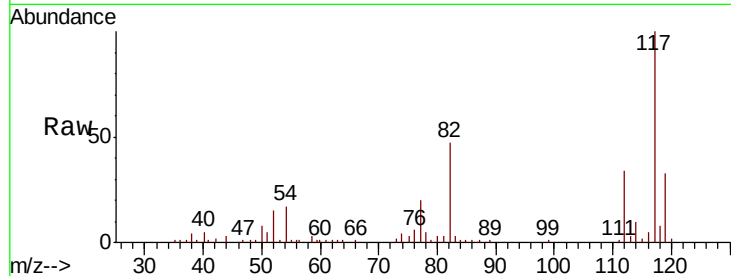
LCS-5-WEST-DRAIN-PIPE

Tot Ion:112 Resp: 6300

Ion Ratio Lower Upper

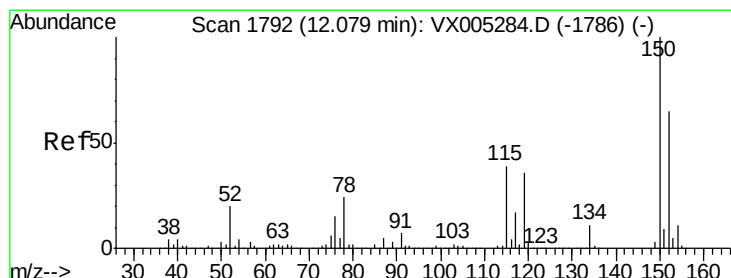
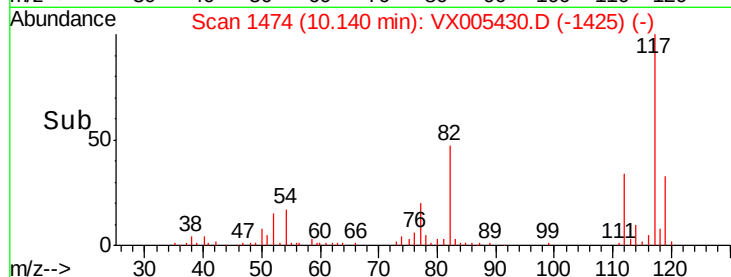
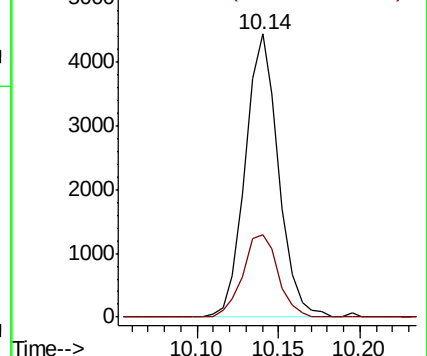
112 100

114 29.2 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005430.D

Acq: 18 Oct 2018 15:16

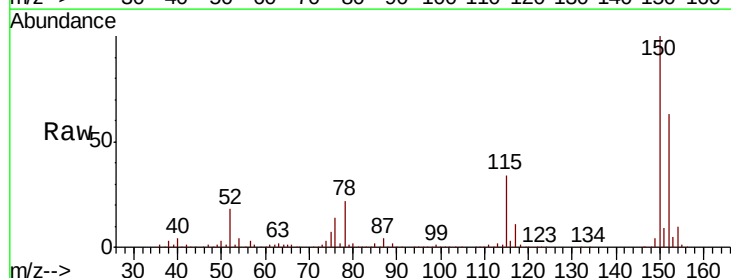
Tgt Ion:152 Resp: 198331

Ion Ratio Lower Upper

152 100

115 54.5 39.0 117.0

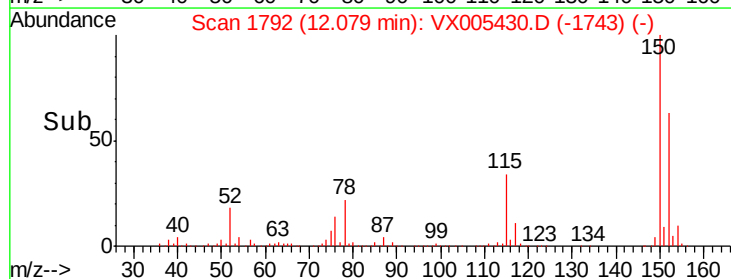
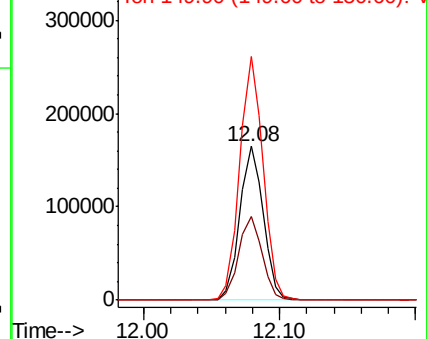
150 157.3 0.0 351.0

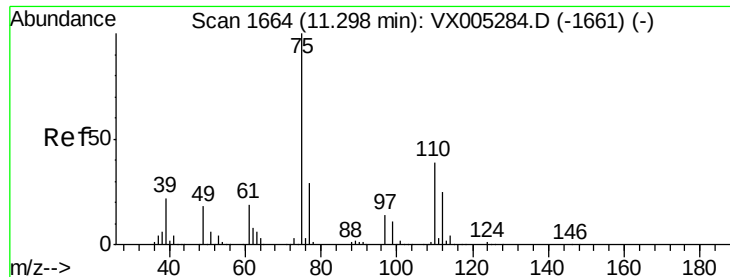


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

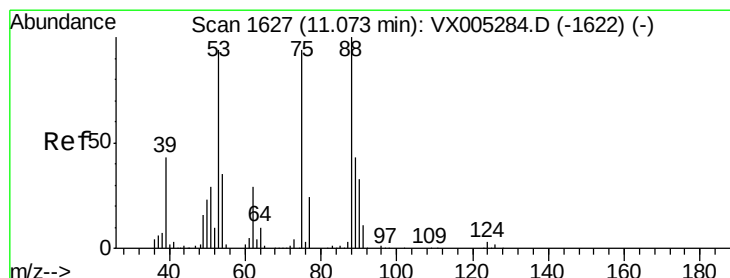
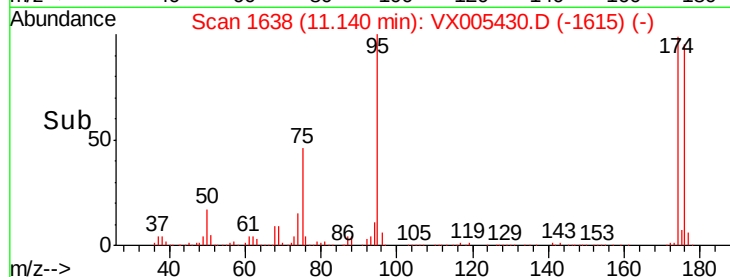
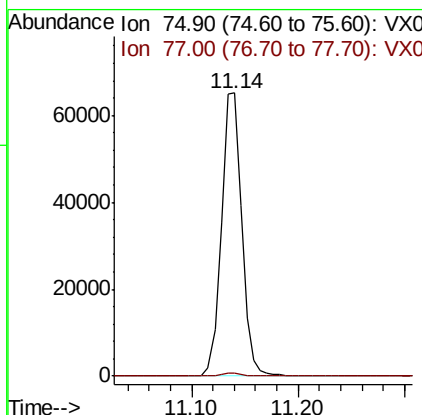
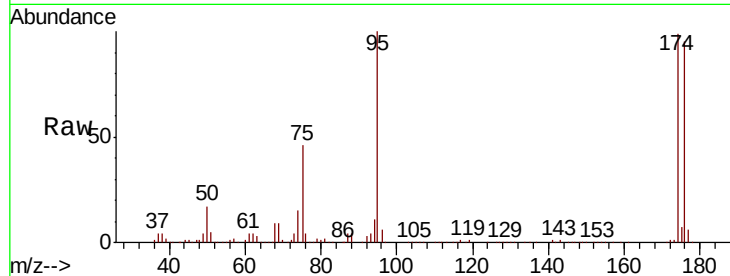




#76
 1,2,3-Trichloropropane
 Concen: 22.664 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005430.D
 Acq: 18 Oct 2018 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 LCS-5-WEST-DRAIN-PIPE

Tot Ion: 75 Resp: 87188
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.863 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005430.D
 Acq: 18 Oct 2018 15:16

Tgt Ion: 75 Resp: 87188
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 37.2 55.8#

