

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005494.D
 Acq On : 23 Oct 2018 02:46
 Operator : JC/MD
 Sample : J5603-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 23 03:36:25 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	227922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	329190	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144060	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	148730	58.80	ug/l	-0.01
Spiked Amount			Recovery	=	117.60%	
35) Dibromofluoromethane	5.50	113	111485	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	8.71	98	394881	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	11.14	95	131357	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	

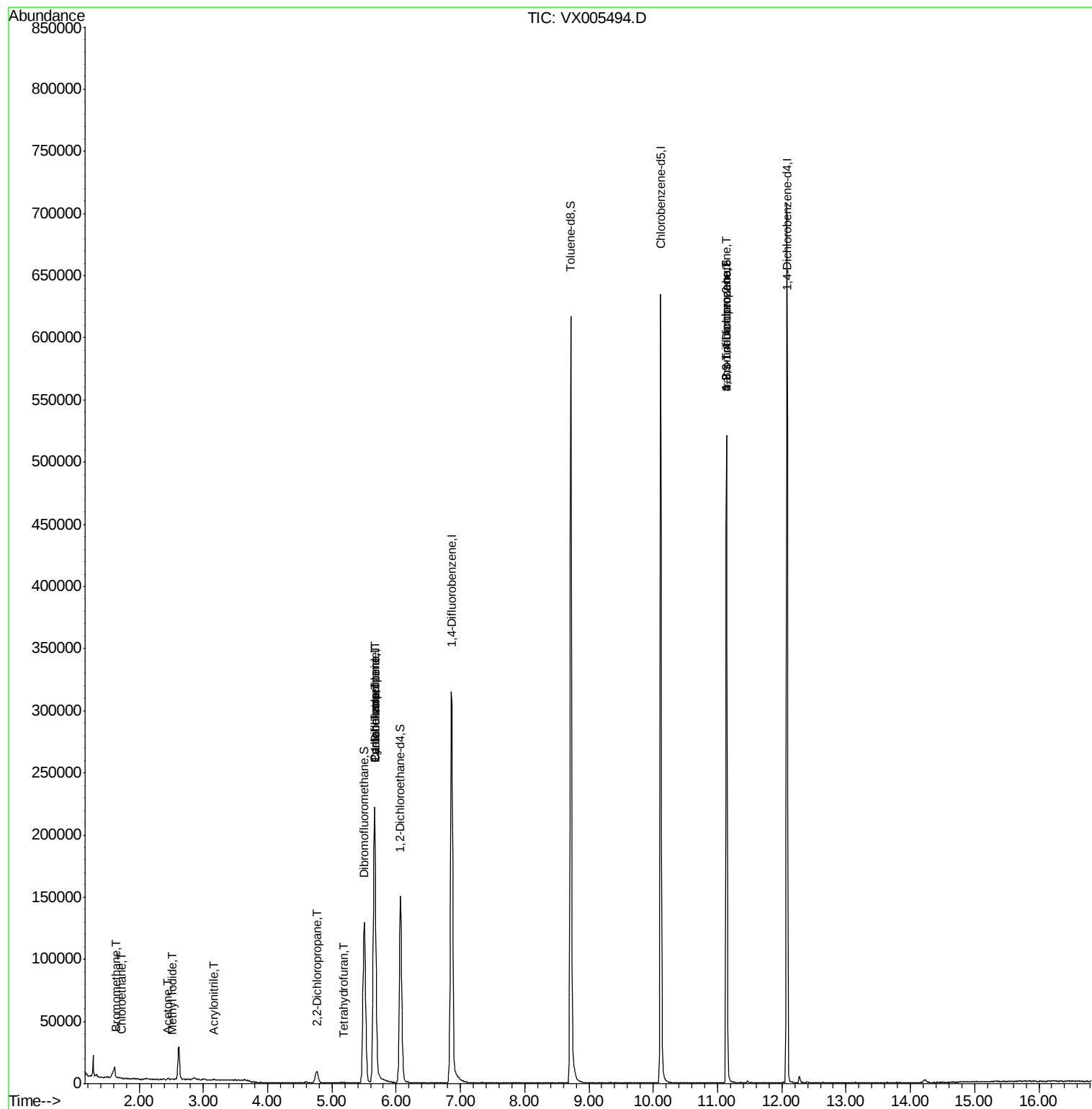
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	482	0.907	ug/l	91
6) Chloroethane	1.72	64	87	0.386	ug/l #	44
10) Methyl Iodide	2.52	142	355	2.641	ug/l #	76
13) Acrolein	2.30	56	155	Below Cal		93
15) Acrylonitrile	3.16	53	437	0.270	ug/l #	84
16) Acetone	2.45	43	1032	0.706	ug/l	96
20) Methylene Chloride	2.85	84	616	Below Cal	#	86
26) 2,2-Dichloropropane	4.77	77	878	0.278	ug/l #	52
29) Tetrahydrofuran	5.18	42	499	0.366	ug/l #	39
31) Cyclohexane	5.66	56	4435	1.275	ug/l #	26
36) 1,1-Dichloropropene	5.67	75	15647	4.908	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20864	6.513	ug/l #	16
44) Trichloroethene	7.21	130	21	Below Cal		4
76) 1,2,3-Trichloropropane	11.14	75	65285	23.363	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	65285	70.989	ug/l #	10

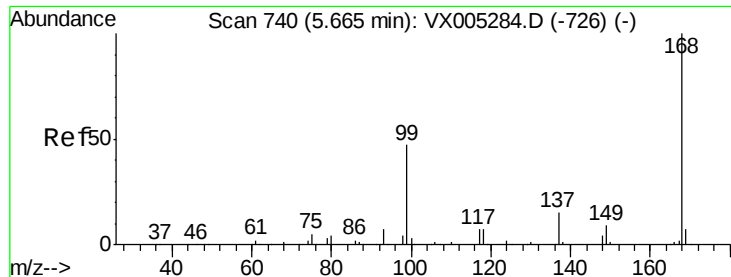
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

Instrument :

MSVOA_X

ClientSampleId :

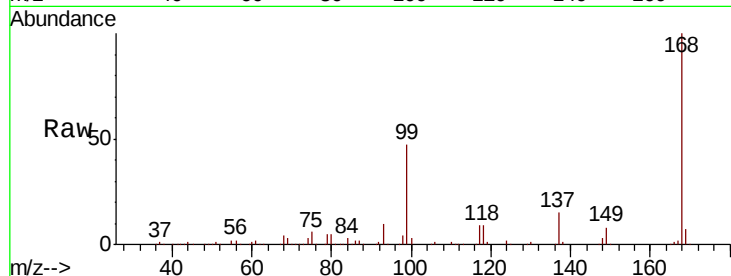
TRIP-BLANK

Tot Ion:168 Resp: 227922

Ion Ratio Lower Upper

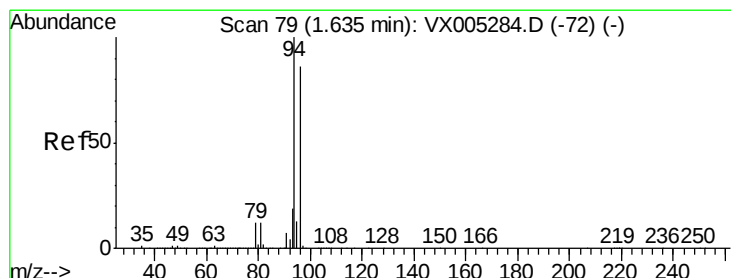
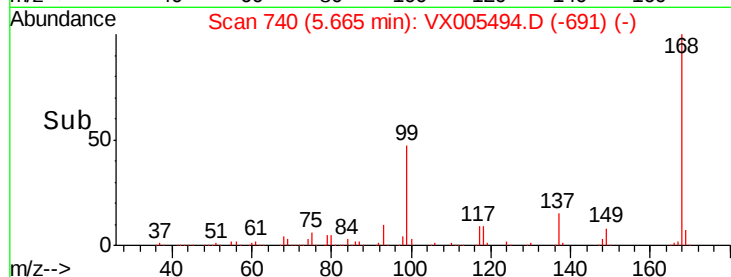
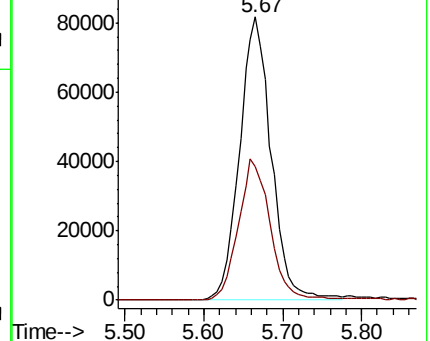
168 100

99 47.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.907 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005494.D

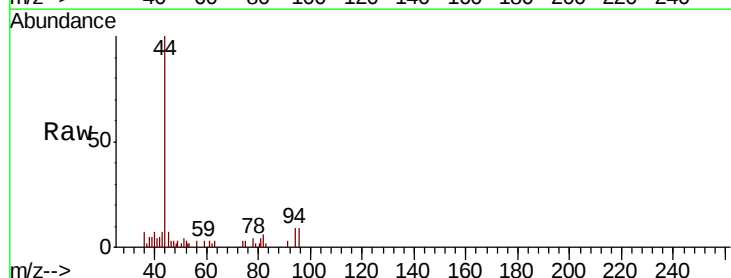
Acq: 23 Oct 2018 02:46

Tgt Ion: 94 Resp: 482

Ion Ratio Lower Upper

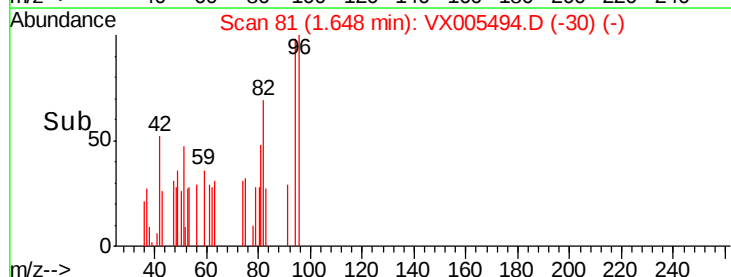
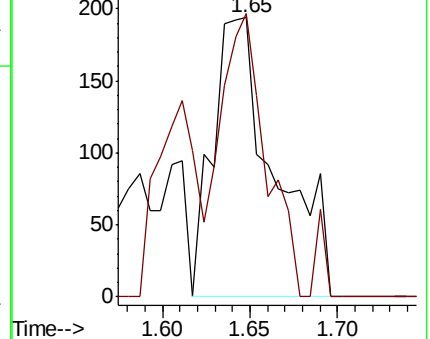
94 100

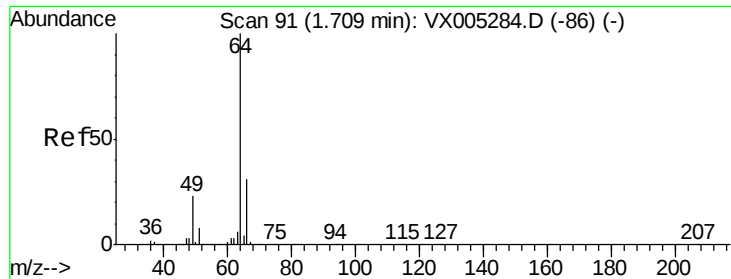
96 101.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.386 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

Instrument :

MSVOA_X

ClientSampleId :

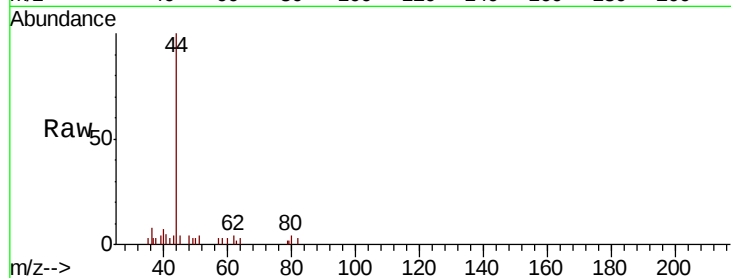
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Tot Ion: 64 Resp: 87

Ion Ratio Lower Upper

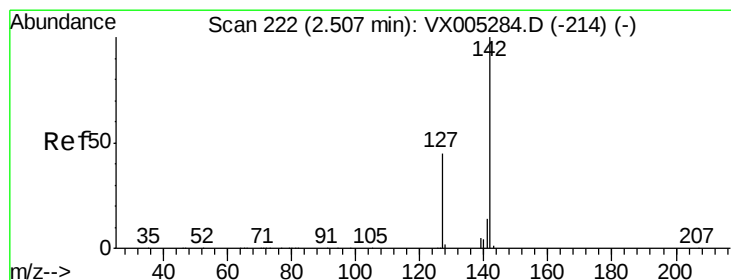
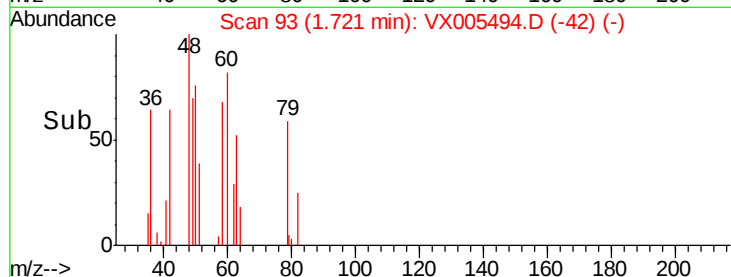
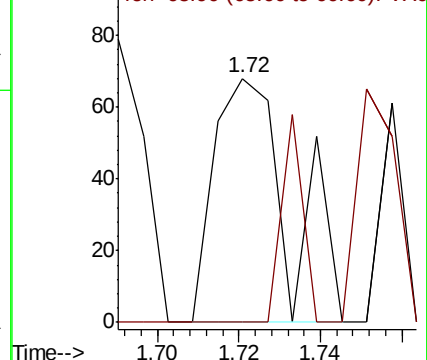
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.641 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

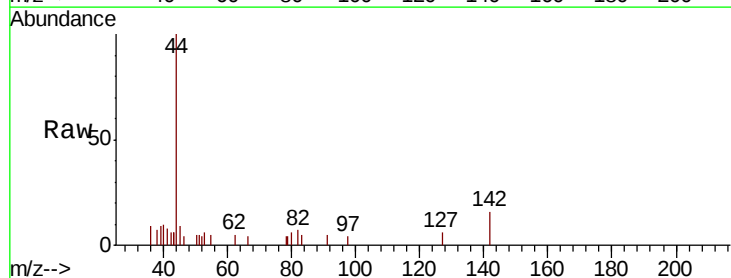
Tgt Ion: 142 Resp: 355

Ion Ratio Lower Upper

142 100

127 54.9 33.8 50.6#

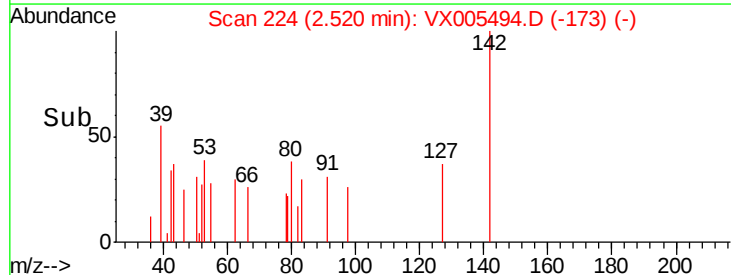
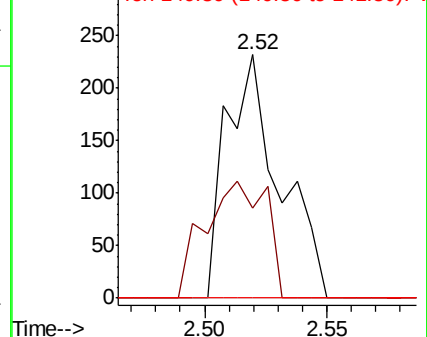
141 0.0 11.4 17.0#

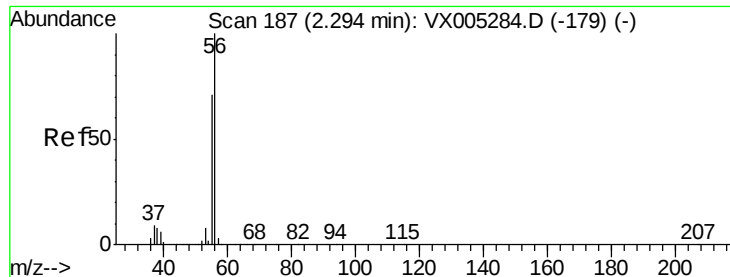


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

Instrument :

MSVOA_X

ClientSampled :

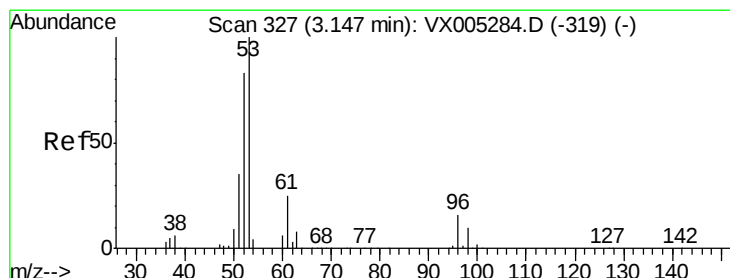
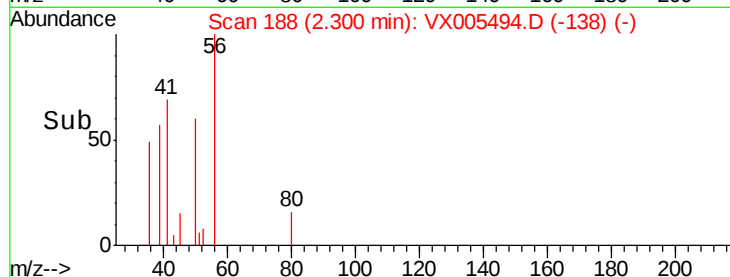
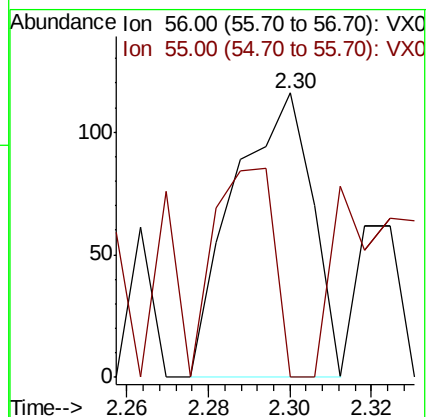
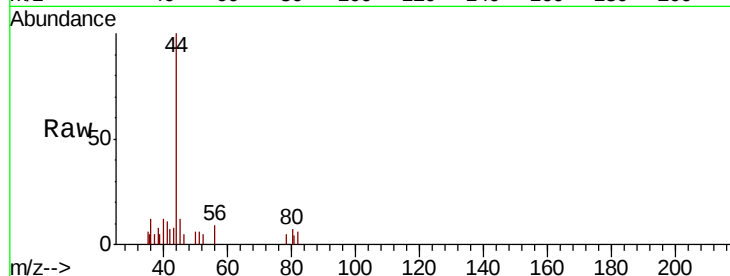
TRIP-BLANK

Tot Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 74.2 54.7 82.1



#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

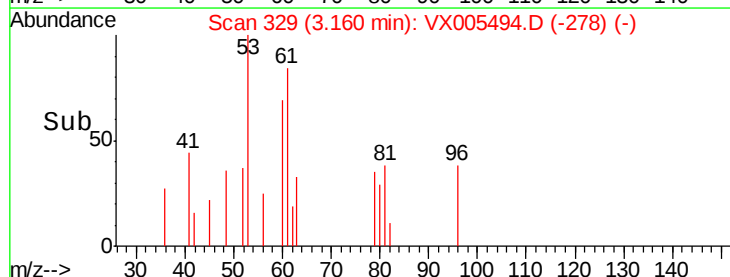
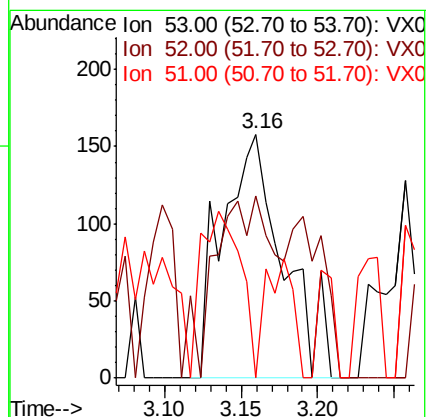
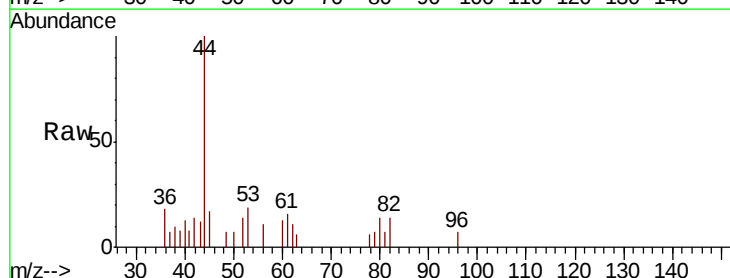
Tgt Ion: 53 Resp: 437

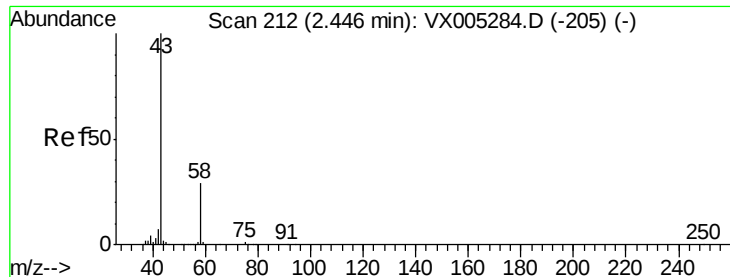
Ion Ratio Lower Upper

53 100

52 70.0 65.2 97.8

51 21.7 28.2 42.2#





#16

Acetone

Concen: 0.706 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

Instrument :

MSVOA_X

ClientSampleId :

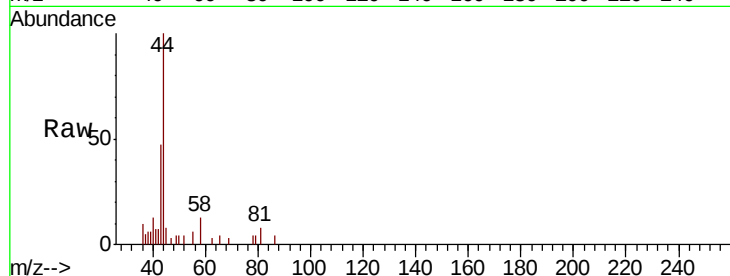
TRIP-BLANK

Tot Ion: 43 Resp: 1032

Ion Ratio Lower Upper

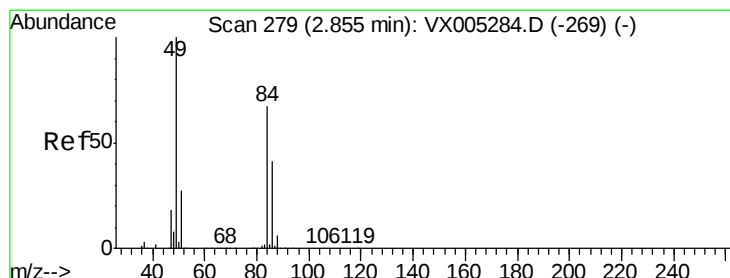
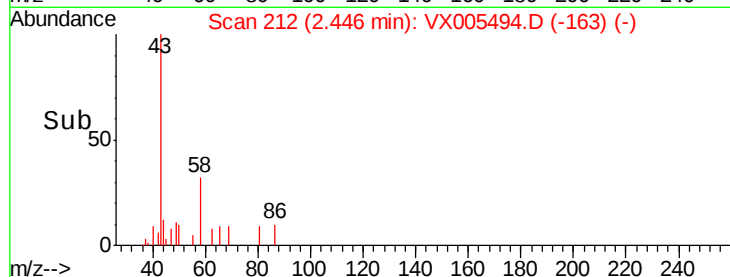
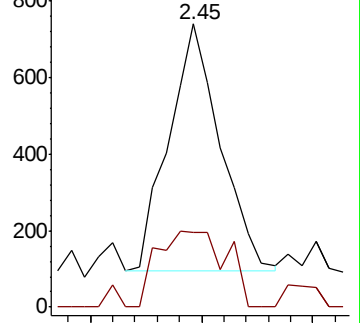
43 100

58 30.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

Tgt Ion: 84 Resp: 616

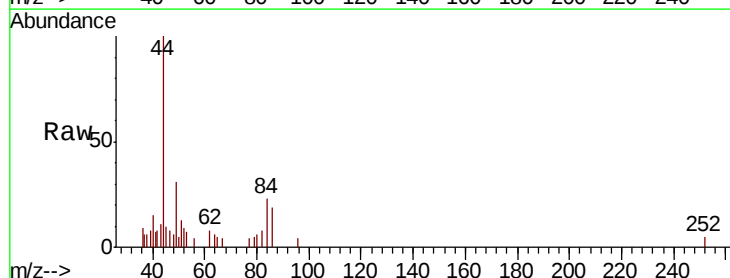
Ion Ratio Lower Upper

84 100

49 116.9 101.2 151.8

51 26.0 29.5 44.3#

86 82.4 52.3 78.5#

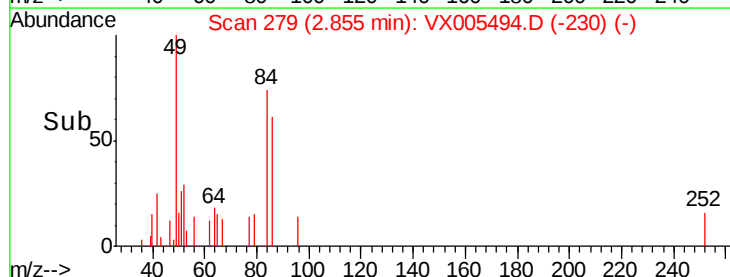
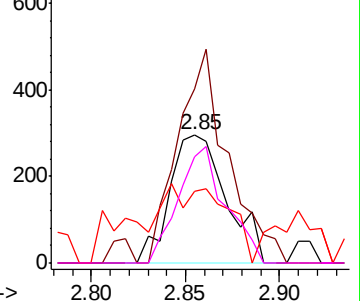


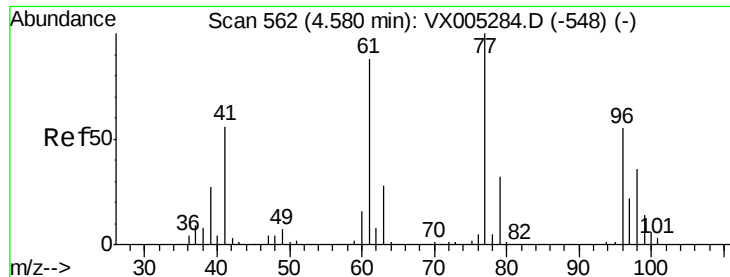
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#26

2,2-Dichloropropane

Concen: 0.278 ug/l

RT: 4.77 min Scan# 593

Delta R.T. 0.19 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

Instrument :

MSVOA_X

ClientSampled :

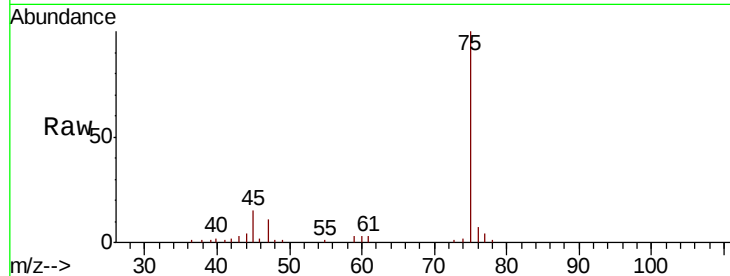
TRIP-BLANK

Tot Ion: 77 Resp: 878

Ion Ratio Lower Upper

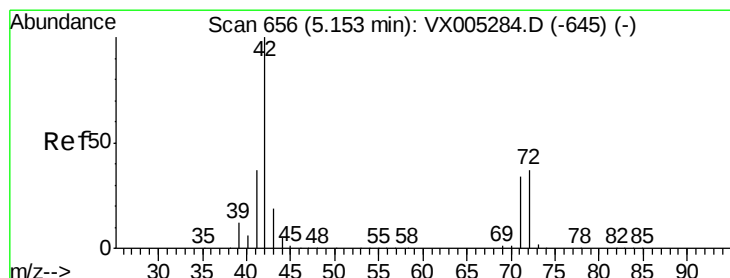
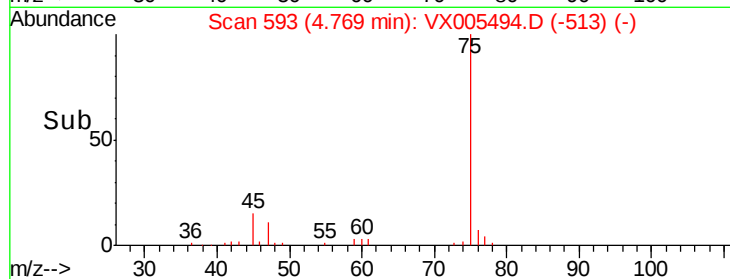
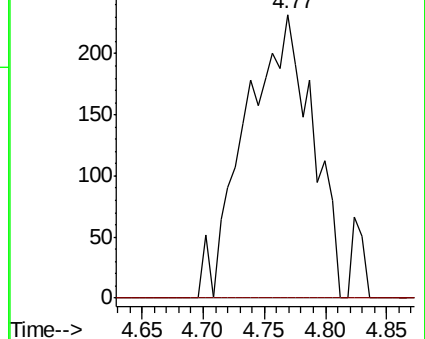
77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 0.366 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

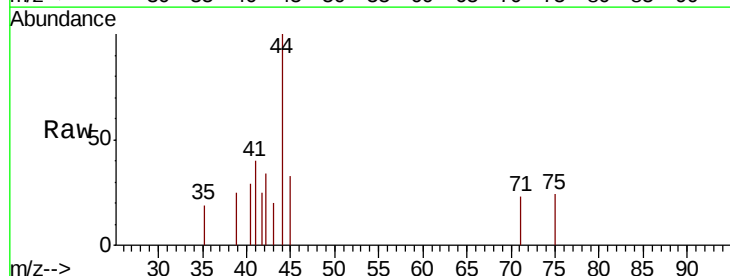
Tgt Ion: 42 Resp: 499

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

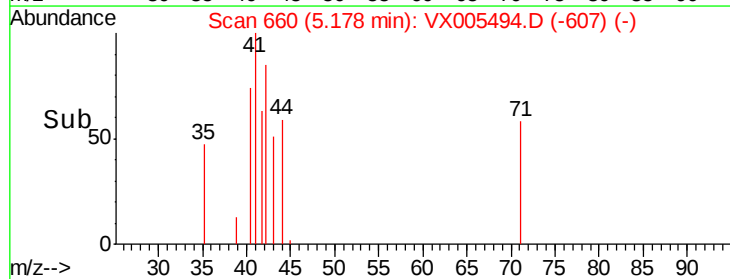
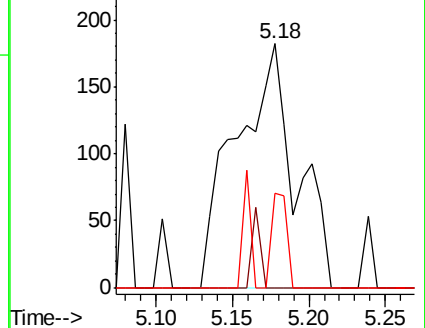
71 10.2 34.5 51.7#

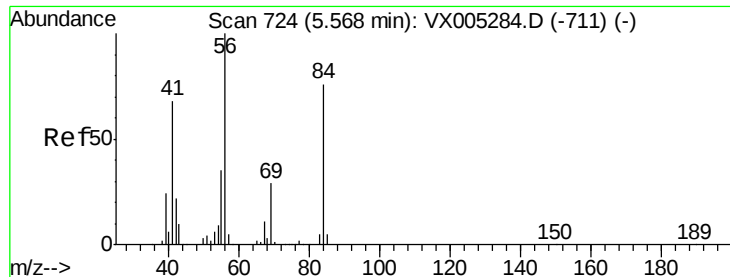


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

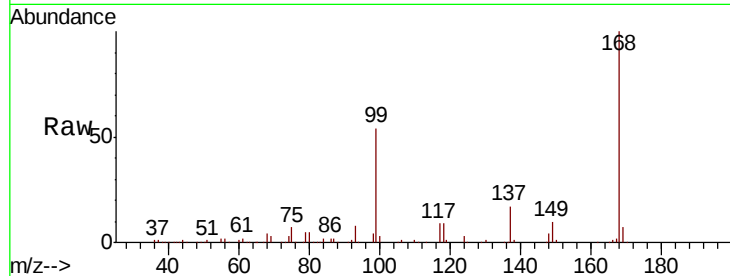




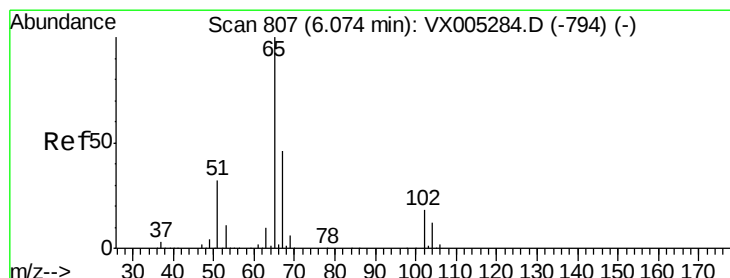
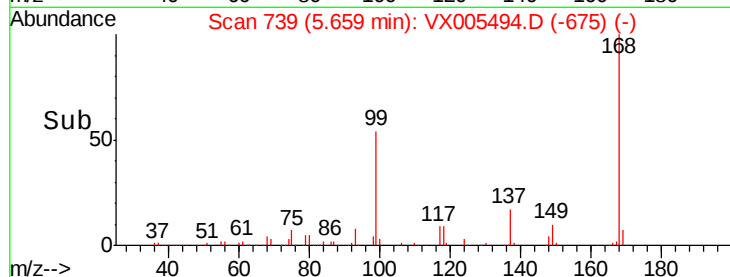
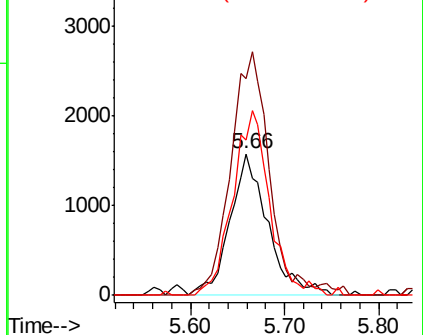
#31
Cyclohexane
Concen: 1.275 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005494.D
Acq: 23 Oct 2018 02:46

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion: 56 Resp: 4435
Ion Ratio Lower Upper
56 100
69 153.3 25.4 38.2#
84 110.0 71.4 107.2#

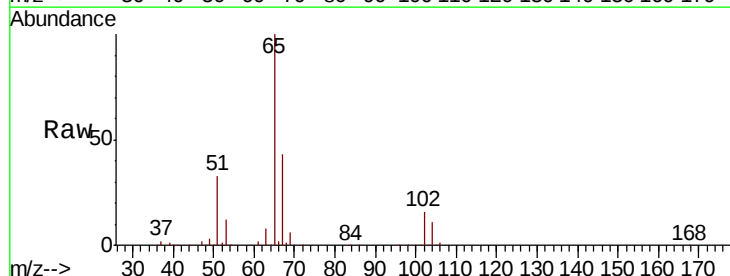


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

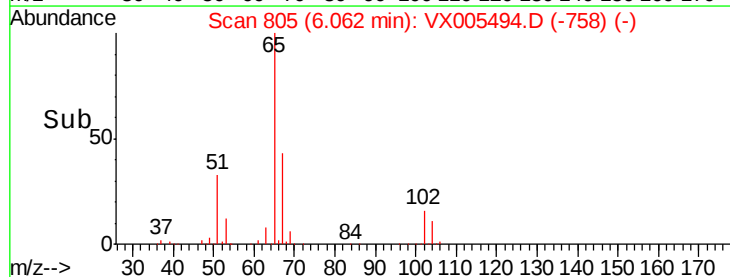
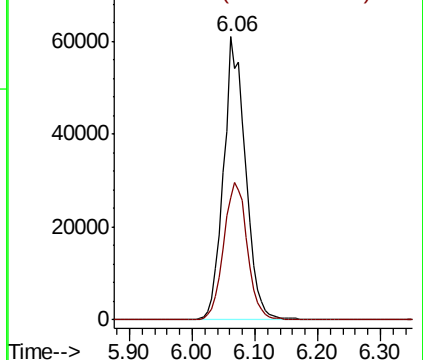


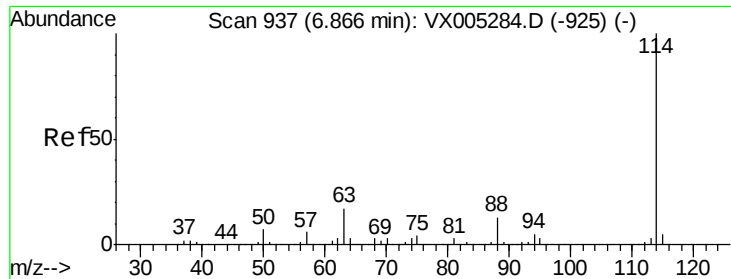
#33
1,2-Dichloroethane-d4
Concen: 58.796 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX005494.D
Acq: 23 Oct 2018 02:46

Tgt Ion: 65 Resp: 148730
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8



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

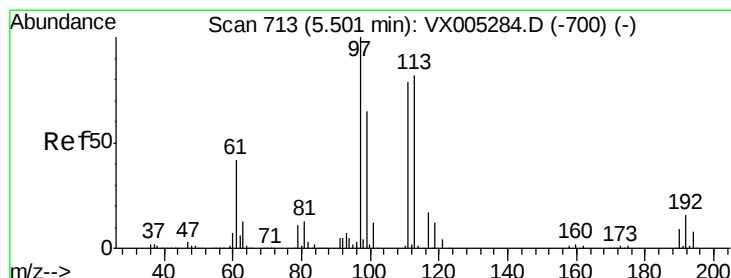
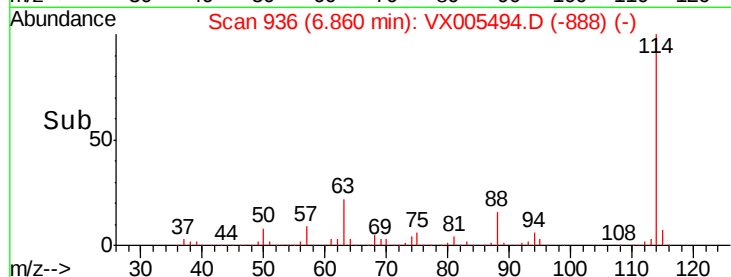
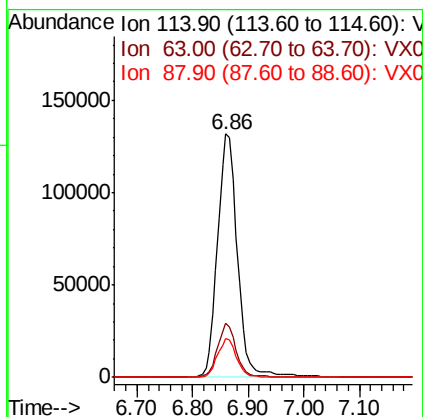
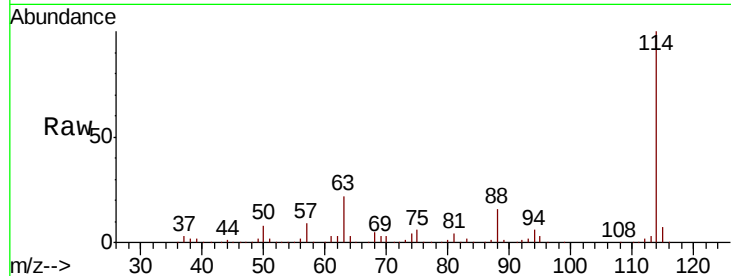




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005494.D
 Acq: 23 Oct 2018 02:46

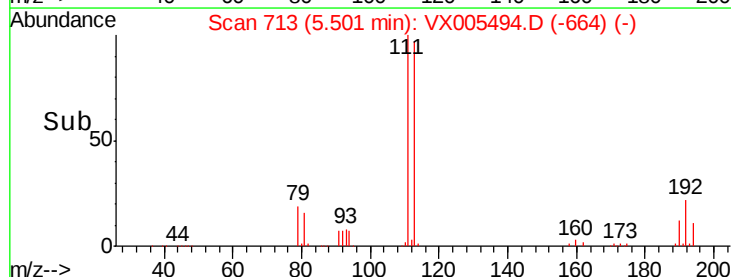
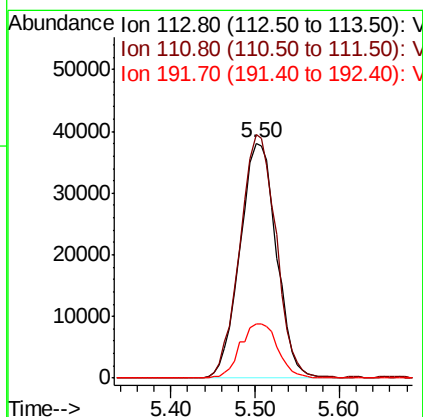
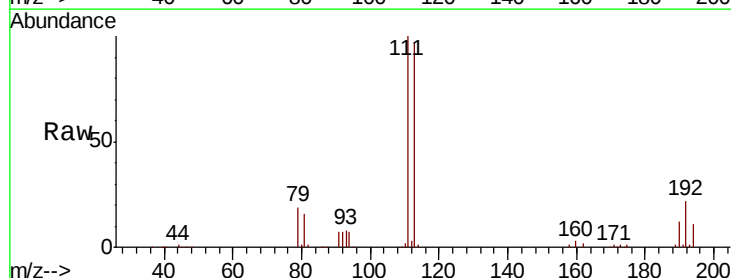
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

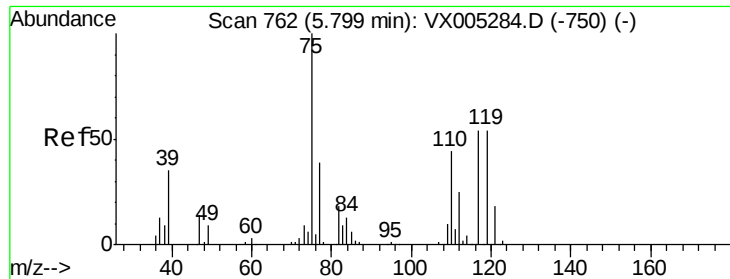
Tot Ion:114 Resp: 329190
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 39.0
 88 15.8 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 51.133 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005494.D
 Acq: 23 Oct 2018 02:46

Tgt Ion:113 Resp: 111485
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 23.8 19.4 29.2

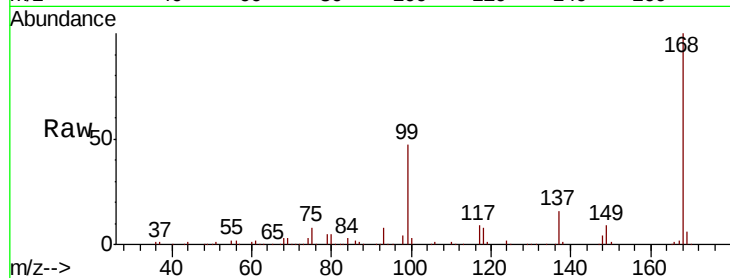




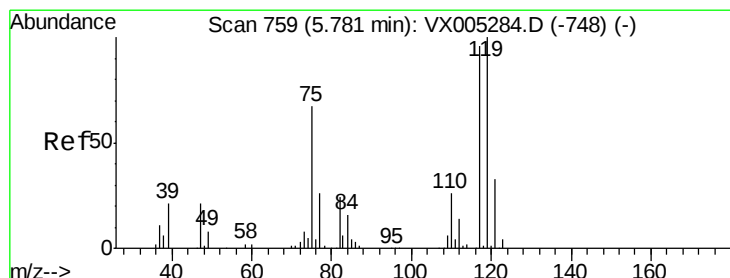
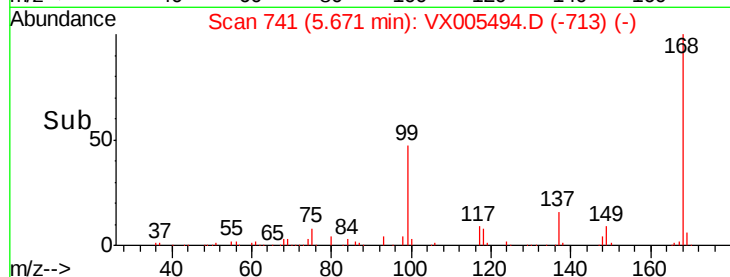
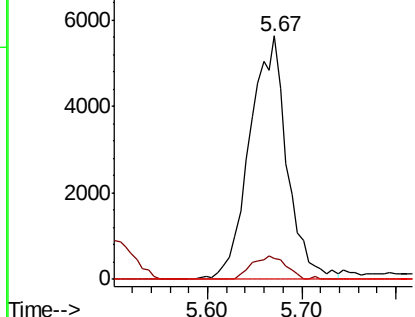
#36
 1,1-Dichloropropene
 Concen: 4.908 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX005494.D
 Acq: 23 Oct 2018 02:46

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.0	54.0#
77	0.0	24.6	36.8#

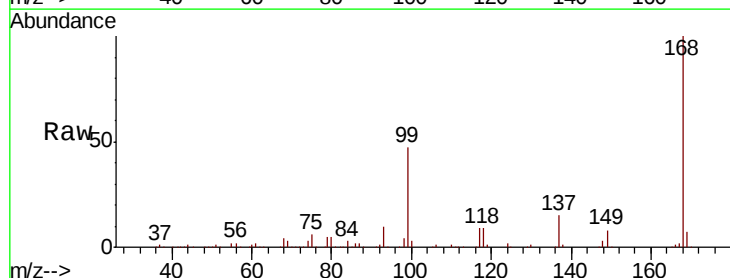


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

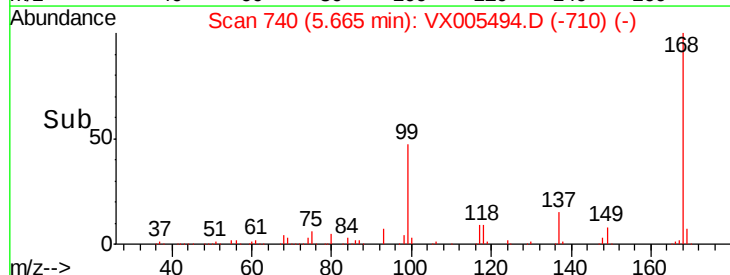
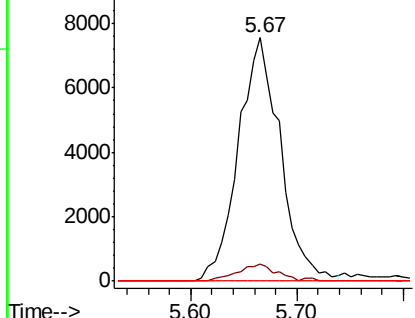


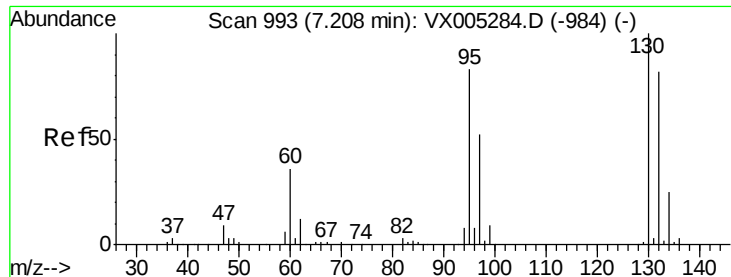
#38
 Carbon Tetrachloride
 Concen: 6.513 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005494.D
 Acq: 23 Oct 2018 02:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	78.8	118.2#
121	0.0	24.9	37.3#



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

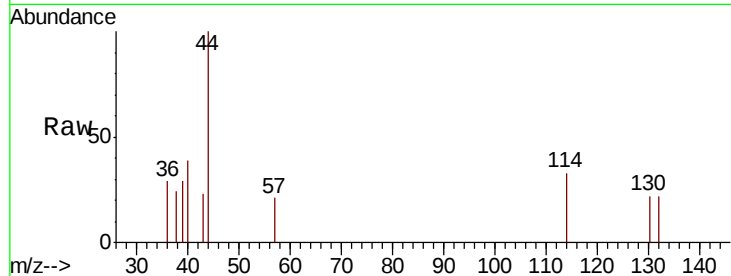




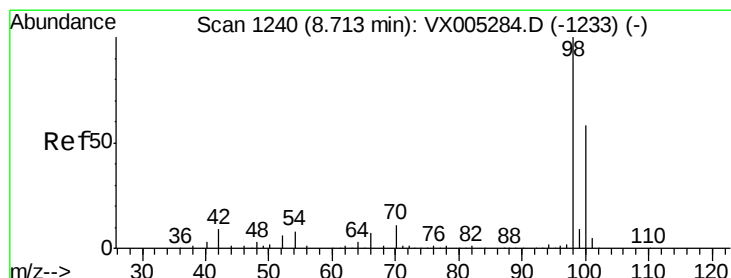
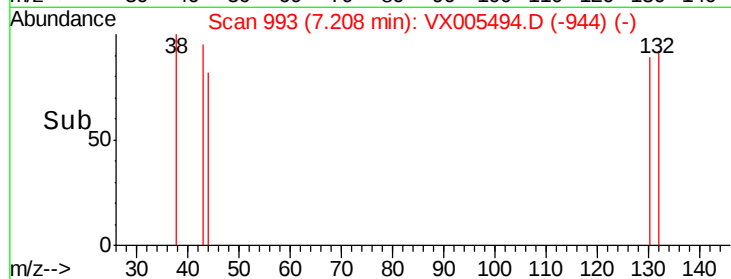
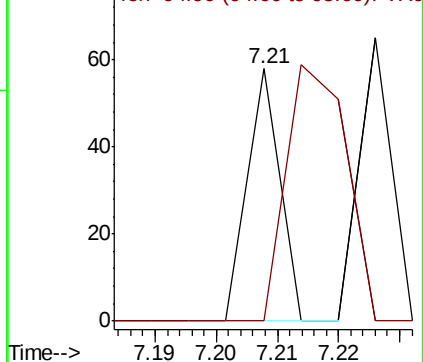
#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX005494.D
 Acq: 23 Oct 2018 02:46

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion:130 Resp: 21
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 181.6

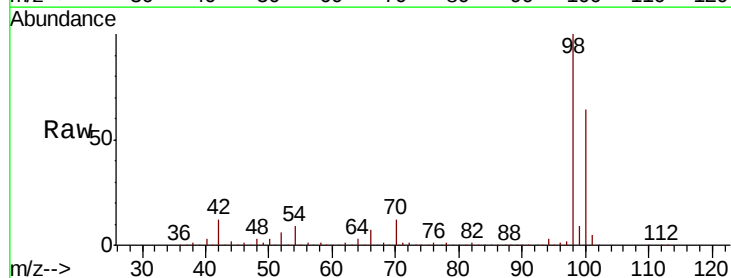


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

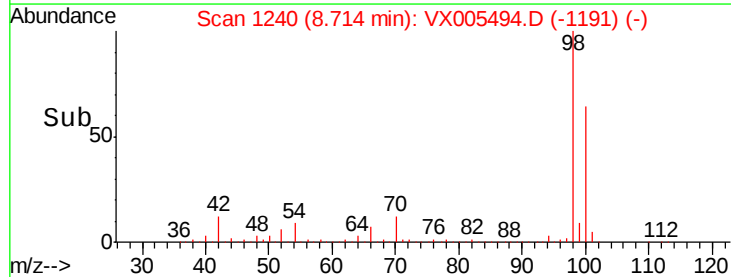
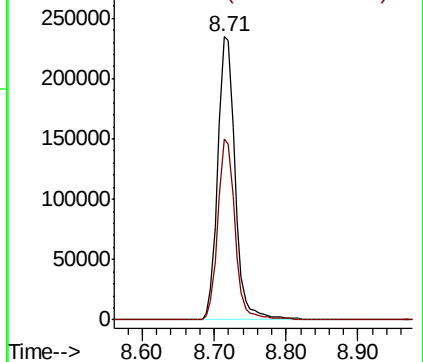


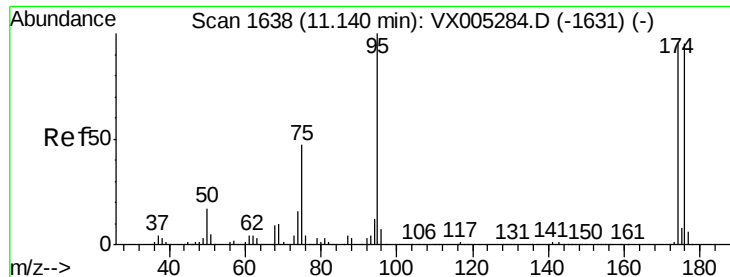
#50
 Toluene-d8
 Concen: 52.755 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX005494.D
 Acq: 23 Oct 2018 02:46

Tgt Ion: 98 Resp: 394881
 Ion Ratio Lower Upper
 98 100
 100 63.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

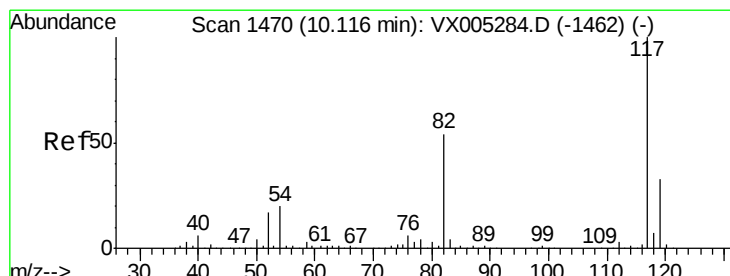
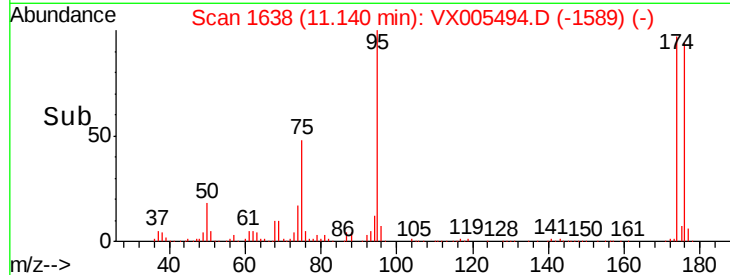
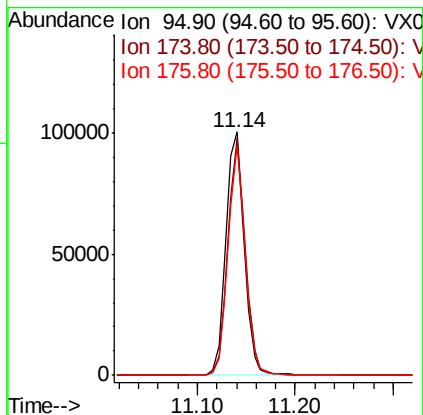
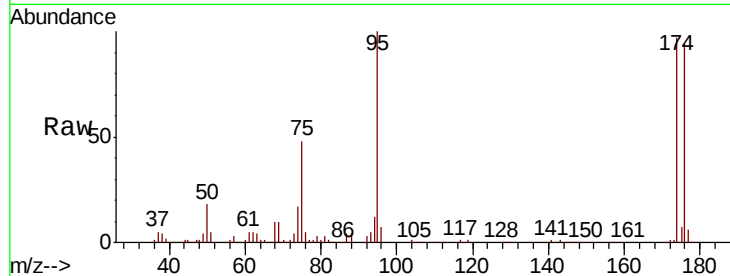




#62
4-Bromofluorobenzene
Concen: 46.715 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005494.D
Acq: 23 Oct 2018 02:46

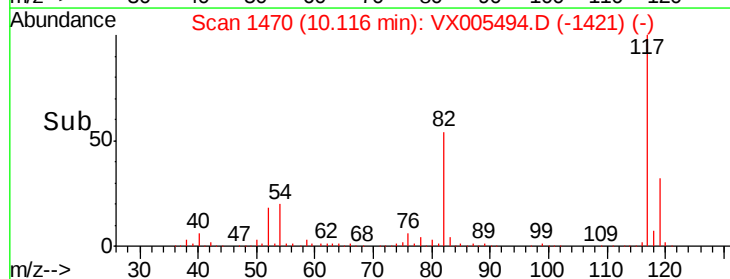
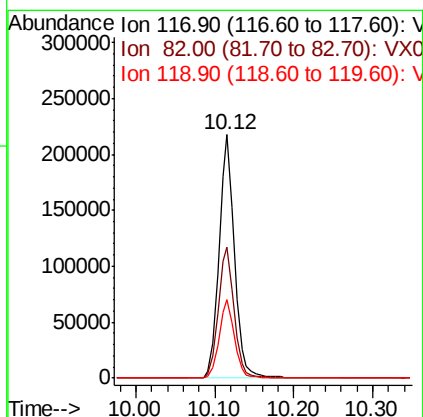
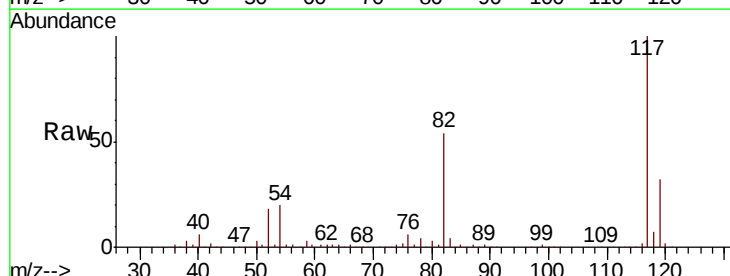
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

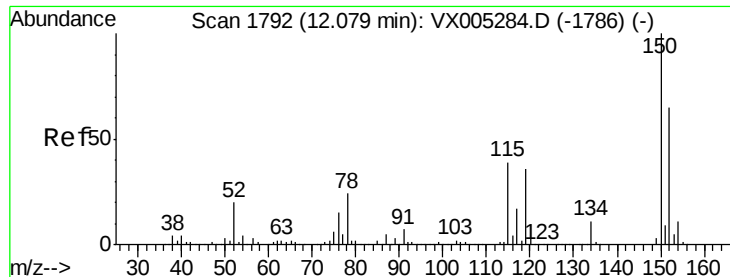
Tot Ion: 95 Resp: 131357
Ion Ratio Lower Upper
95 100
174 93.0 0.0 185.2
176 88.8 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005494.D
Acq: 23 Oct 2018 02:46

Tgt Ion: 117 Resp: 295935
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.6
119 32.1 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

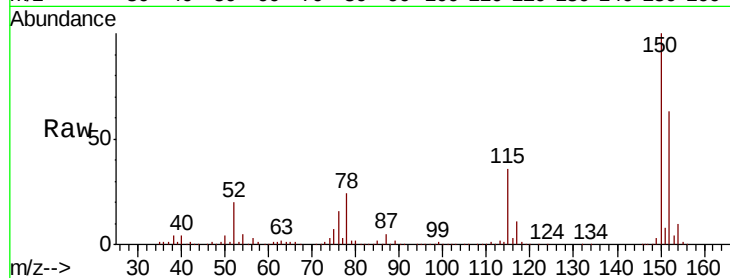
Tot Ion:152 Resp: 144060

Ion Ratio Lower Upper

152 100

115 55.6 39.0 117.0

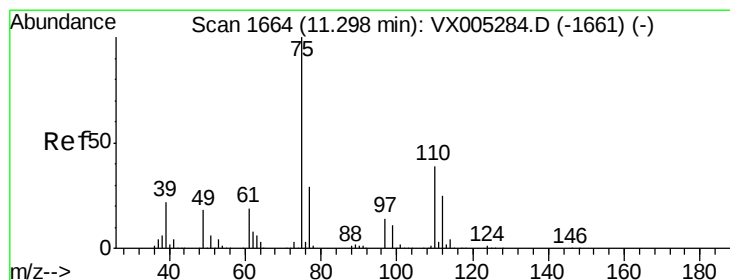
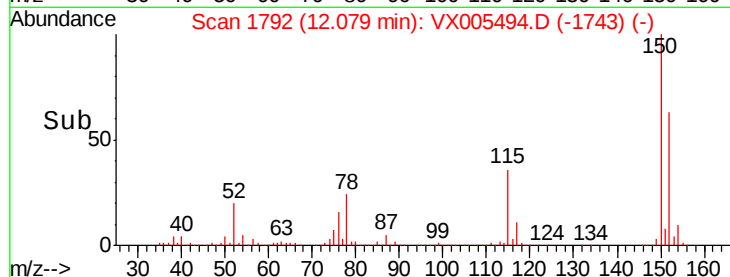
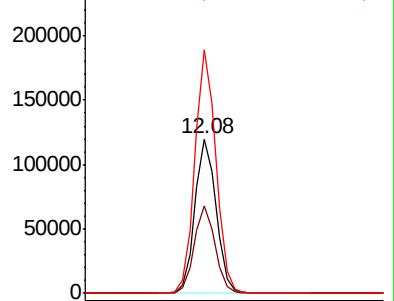
150 156.2 0.0 351.0



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: 23.363 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005494.D

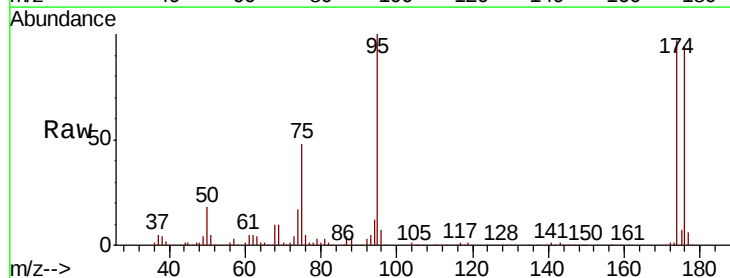
Acq: 23 Oct 2018 02:46

Tgt Ion: 75 Resp: 65285

Ion Ratio Lower Upper

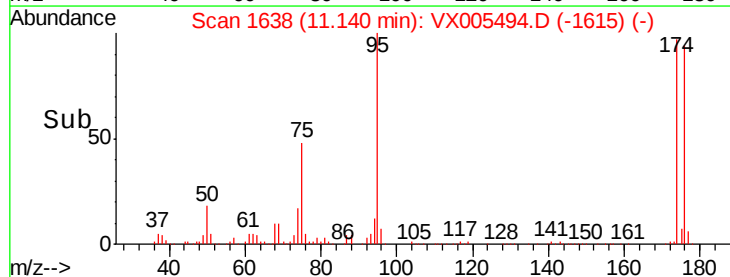
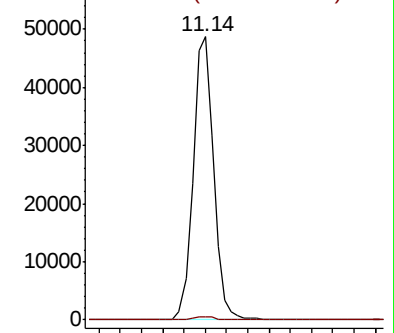
75 100

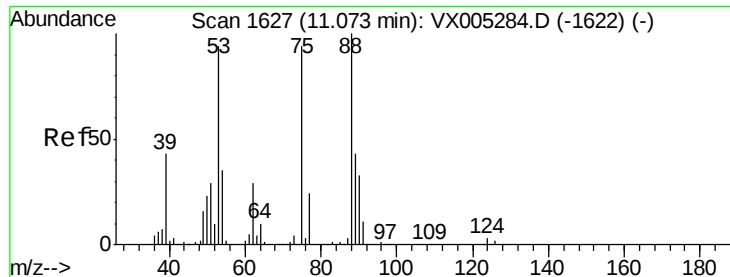
77 1.2 20.2 60.6#



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: 70.989 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005494.D

Acq: 23 Oct 2018 02:46

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

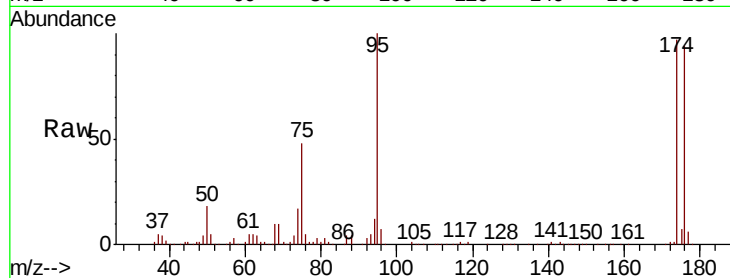
Tot Ion: 75 Resp: 65285

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



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

