

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005337.D
 Acq On : 15 Oct 2018 12:22
 Operator : JC/MD
 Sample : J5472-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 16 03:34:50 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	276508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389189	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167554	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	158669	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
35) Dibromofluoromethane	5.50	113	129133	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	8.71	98	460504	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	11.14	95	151337	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1071	1.175	ug/l	84
6) Chloroethane	1.79	64	1444	1.031	ug/l #	74
10) Methyl Iodide	2.51	142	780	2.765	ug/l #	74
11) Tert butyl alcohol	3.02	59	6863	7.928	ug/l #	75
13) Acrolein	2.30	56	294	Below Cal	#	70
15) Acrylonitrile	3.15	53	652	0.332	ug/l #	75
16) Acetone	2.45	43	1728	0.974	ug/l	97
17) Carbon Disulfide	2.57	76	1618	0.221	ug/l #	88
18) Methyl Acetate	2.62	43	17521	3.471	ug/l #	51
20) Methylene Chloride	2.86	84	711	Below Cal	#	86
29) Tetrahydrofuran	5.17	42	522	0.315	ug/l #	73
31) Cyclohexane	5.65	56	4932	1.169	ug/l #	4
36) 1,1-Dichloropropene	5.66	75	18054	4.790	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24868	6.566	ug/l #	16
44) Trichloroethene	7.21	130	287	Below Cal		90
76) 1,2,3-Trichloropropane	11.14	75	74605	22.955	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	74605	69.748	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005337.D

Acq: 15 Oct 2018 12:22

Instrument :

MSVOA_X

ClientSampled :

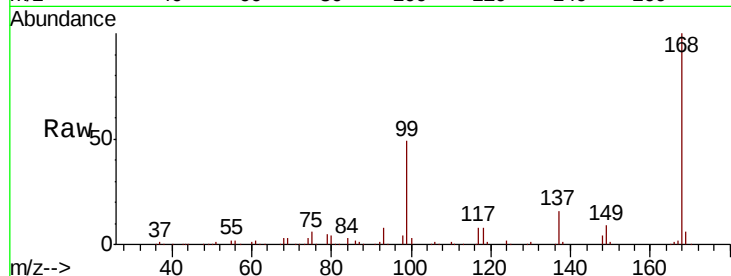
TRIP-BLANK

Tot Ion:168 Resp: 276508

Ion Ratio Lower Upper

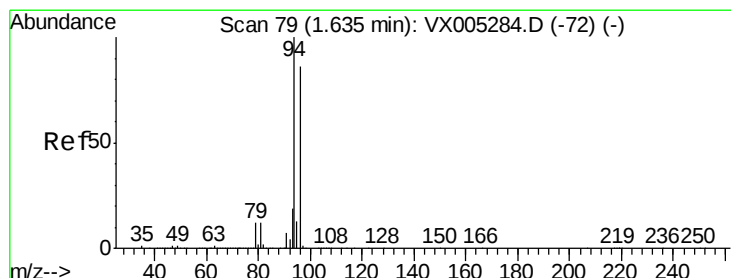
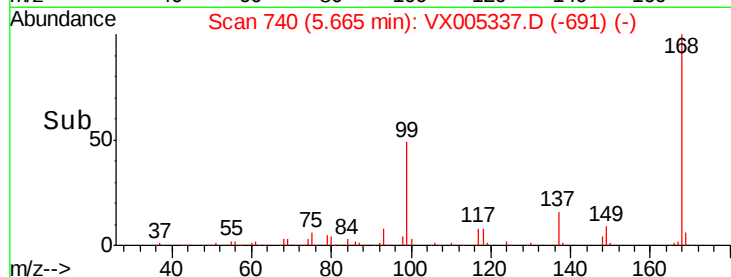
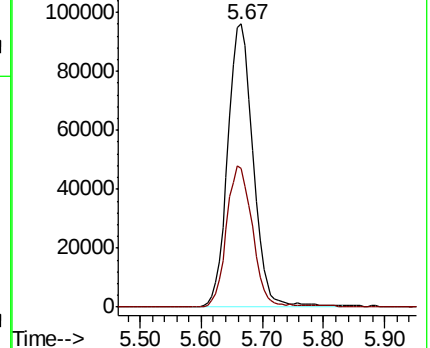
168 100

99 49.0 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: 1.175 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005337.D

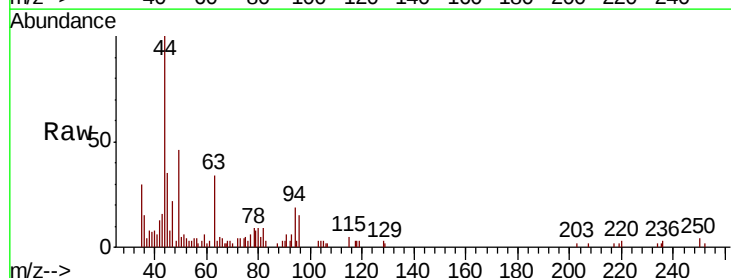
Acq: 15 Oct 2018 12:22

Tgt Ion: 94 Resp: 1071

Ion Ratio Lower Upper

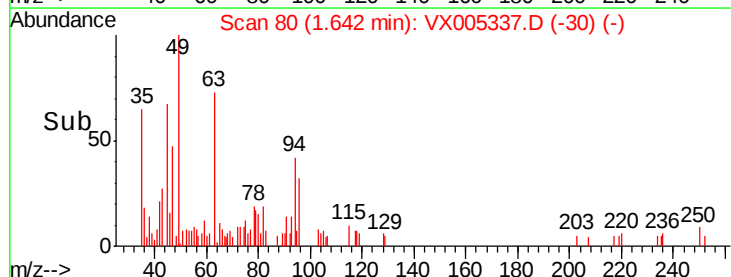
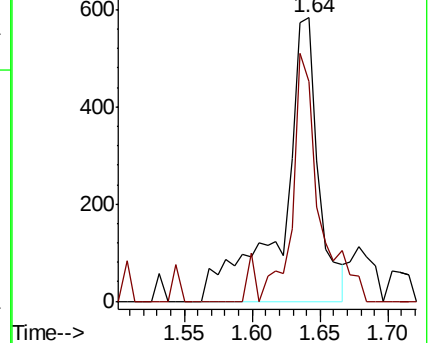
94 100

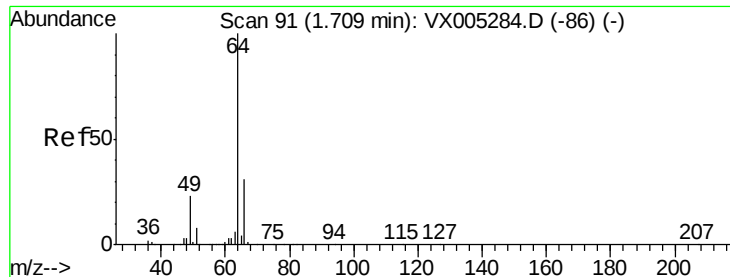
96 77.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.031 ug/l

RT: 1.79 min Scan# 104

Delta R.T. 0.08 min

Lab File: VX005337.D

Acq: 15 Oct 2018 12:22

Instrument :

MSVOA_X

ClientSampleId :

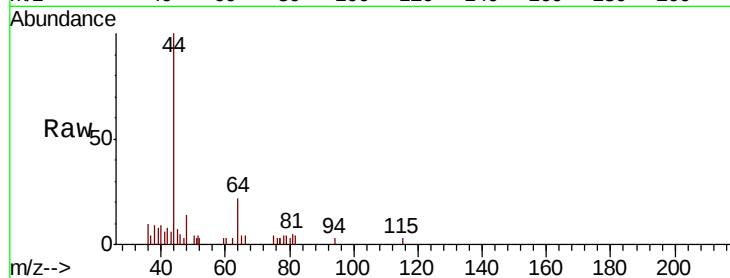
TRIP-BLANK

Tot Ion: 64 Resp: 1444

Ion Ratio Lower Upper

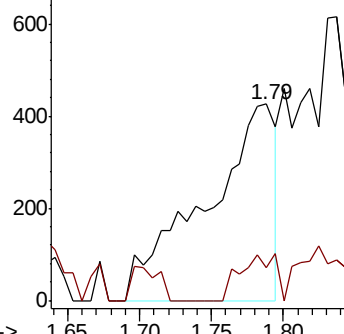
64 100

66 16.7 24.6 36.8#

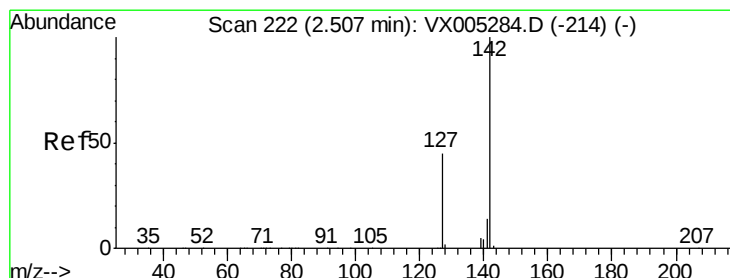
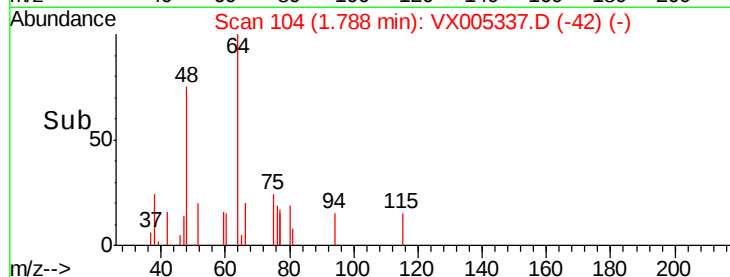


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methyl Iodide

Concen: 2.765 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005337.D

Acq: 15 Oct 2018 12:22

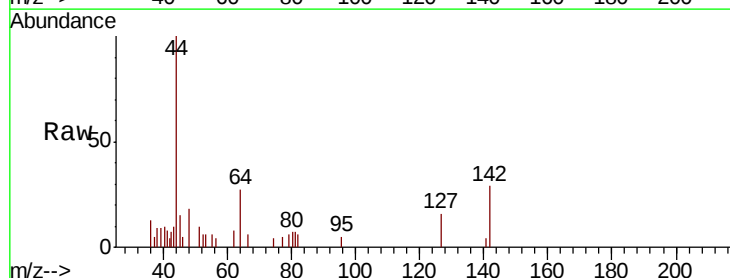
Tgt Ion: 142 Resp: 780

Ion Ratio Lower Upper

142 100

127 59.4 33.8 50.6#

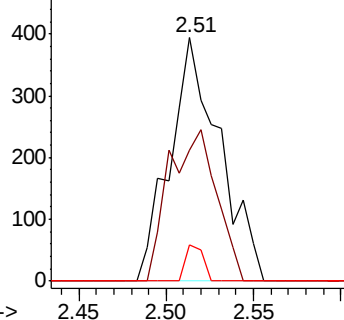
141 5.1 11.4 17.0#



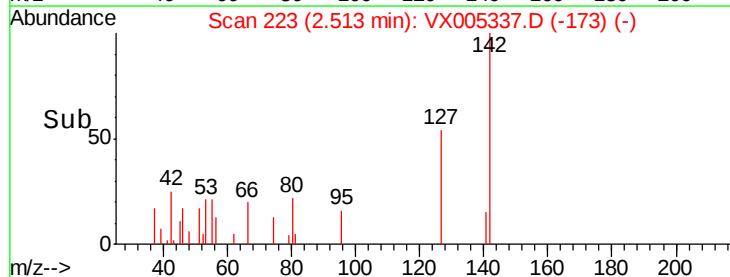
Abundance Ion 141.80 (141.50 to 142.50): V

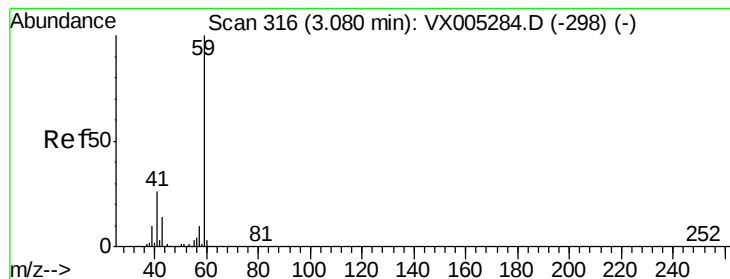
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



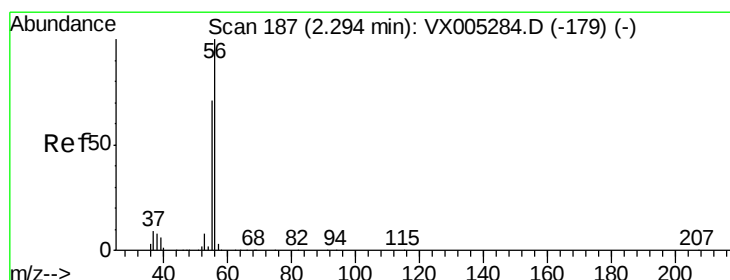
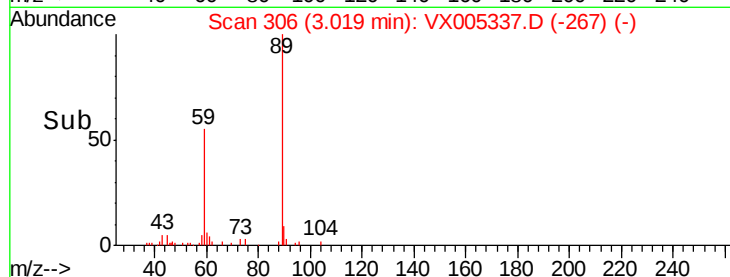
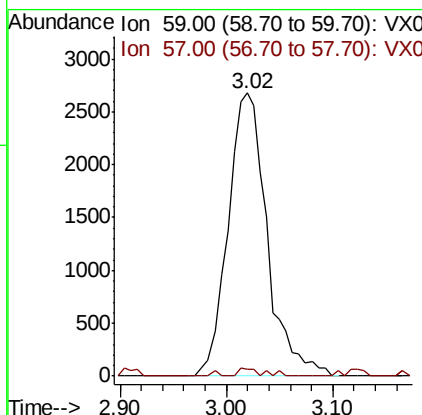
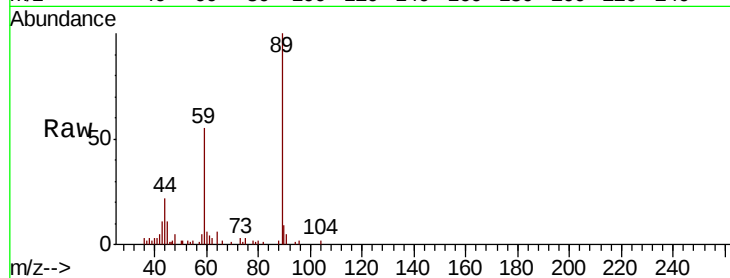


#11

Tert butyl alcohol
Concen: 7.928 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005337.D
Acq: 15 Oct 2018 12:22

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

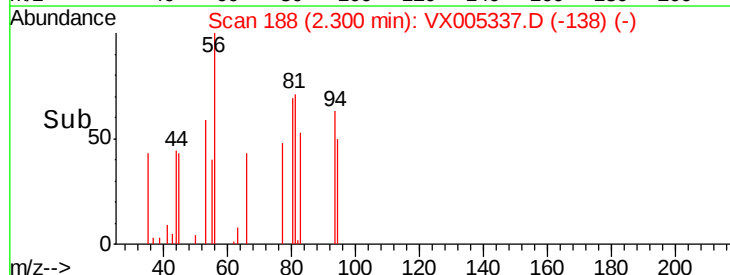
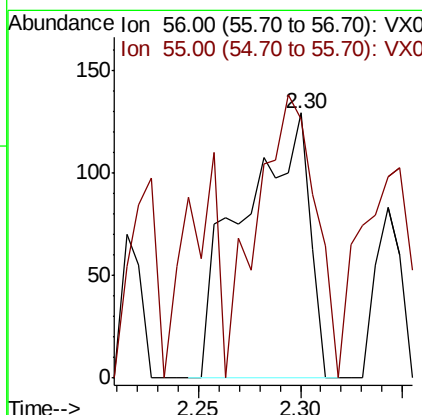
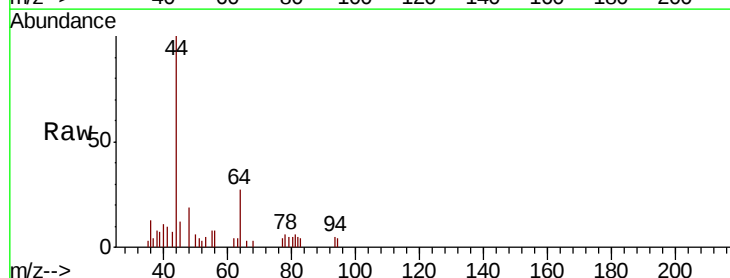
Tot Ion: 59 Resp: 6863
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.4#

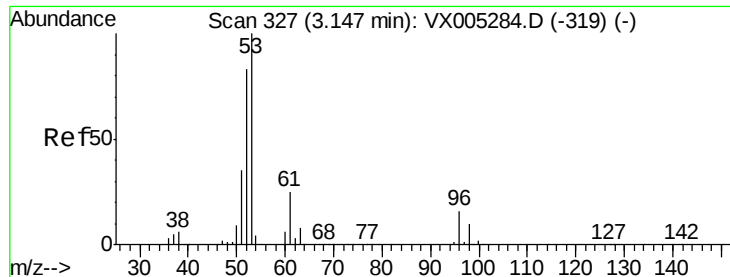


#13

Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005337.D
Acq: 15 Oct 2018 12:22

Tgt Ion: 56 Resp: 294
Ion Ratio Lower Upper
56 100
55 92.9 54.7 82.1#





#15

Acrylonitrile

Concen: 0.332 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005337.D

Acq: 15 Oct 2018 12:22

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

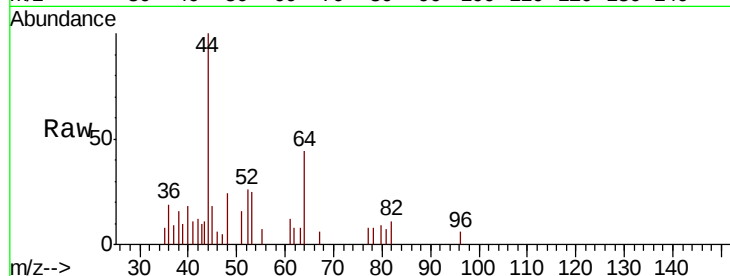
Tot Ion: 53 Resp: 652

Ion Ratio Lower Upper

53 100

52 112.9 65.2 97.8#

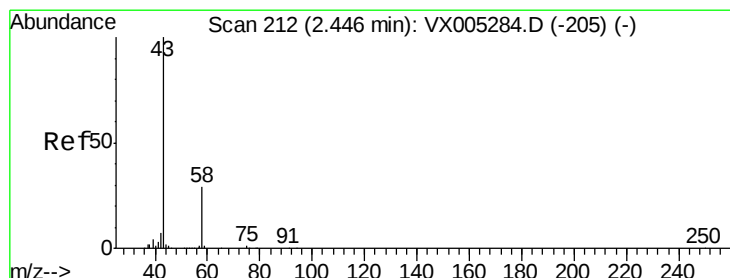
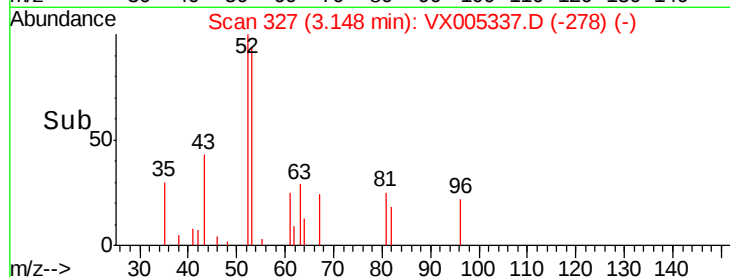
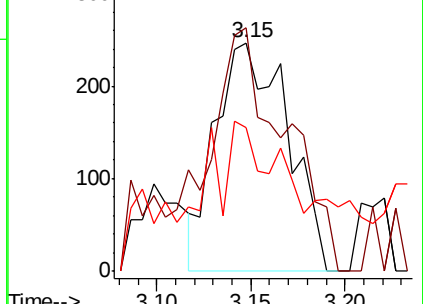
51 34.5 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.974 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005337.D

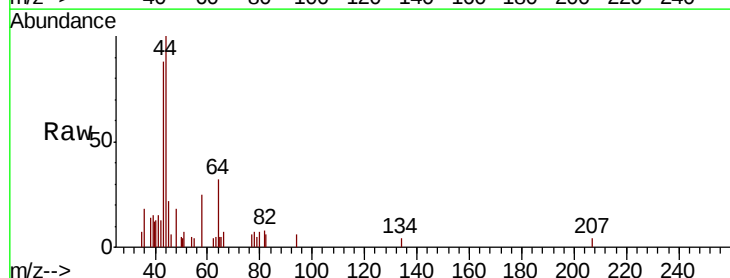
Acq: 15 Oct 2018 12:22

Tgt Ion: 43 Resp: 1728

Ion Ratio Lower Upper

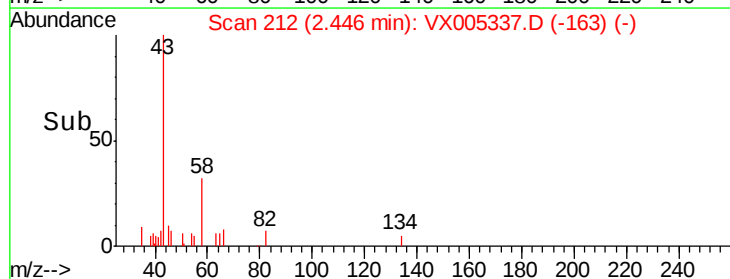
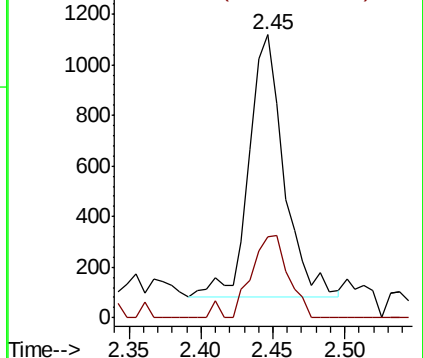
43 100

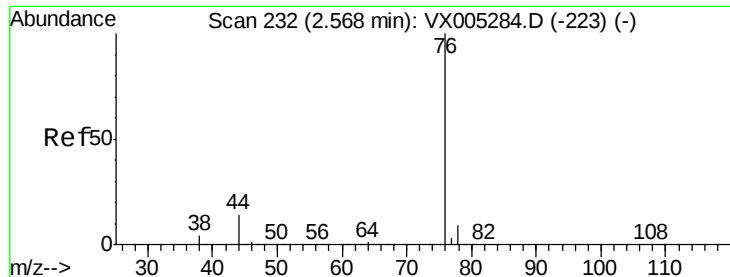
58 30.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.221 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005337.D

Acq: 15 Oct 2018 12:22

Instrument :

MSVOA_X

ClientSampleId :

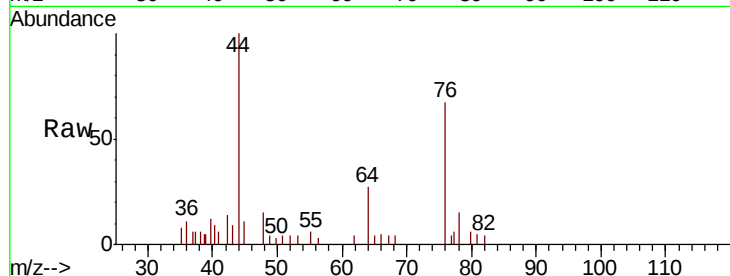
TRIP-BLANK

Tot Ion: 76 Resp: 1618

Ion Ratio Lower Upper

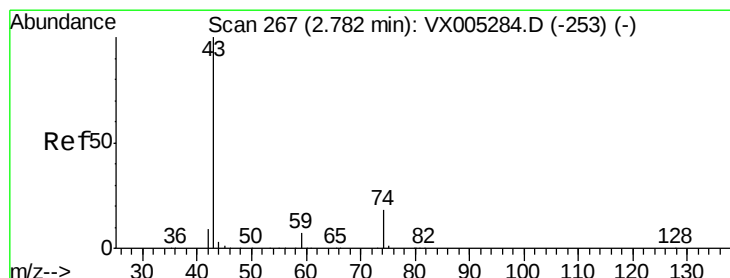
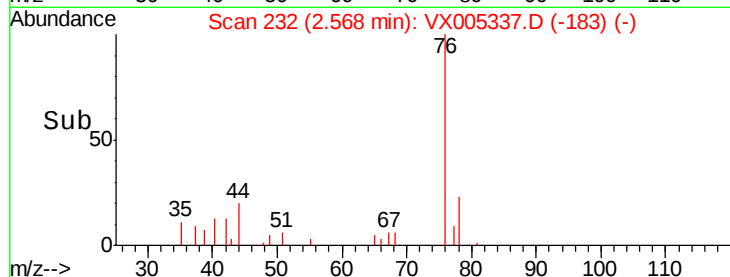
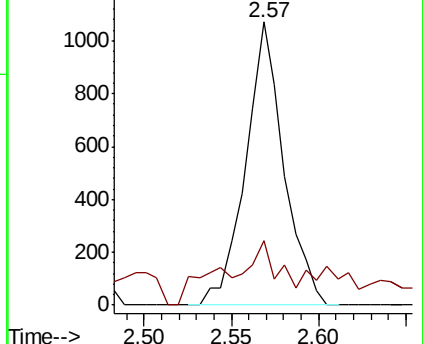
76 100

78 13.2 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 3.471 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.16 min

Lab File: VX005337.D

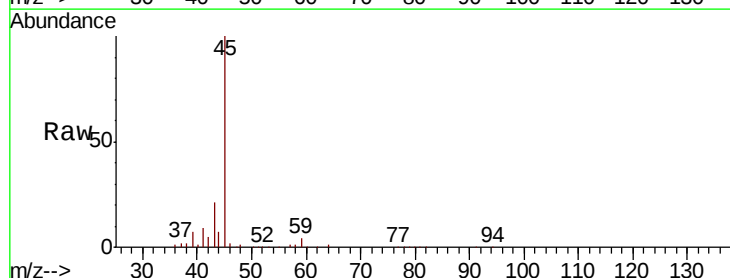
Acq: 15 Oct 2018 12:22

Tgt Ion: 43 Resp: 17521

Ion Ratio Lower Upper

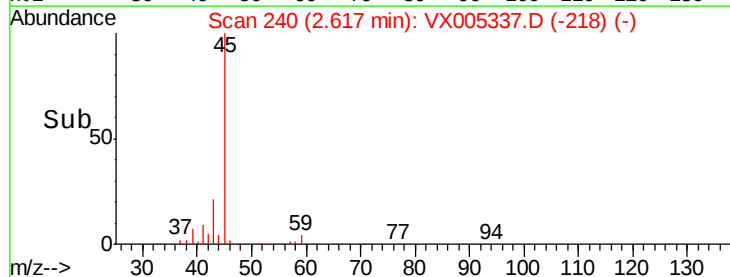
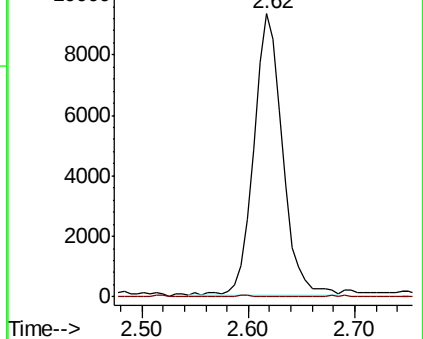
43 100

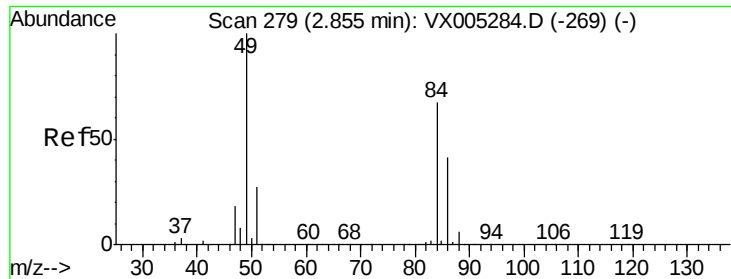
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

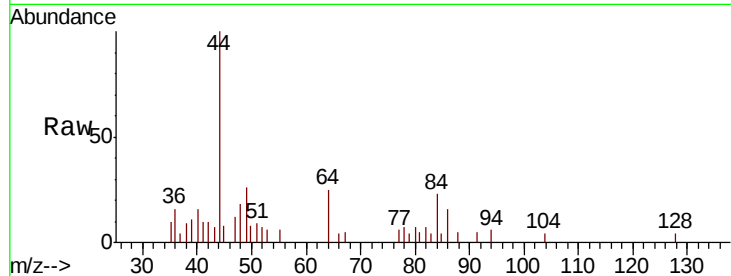




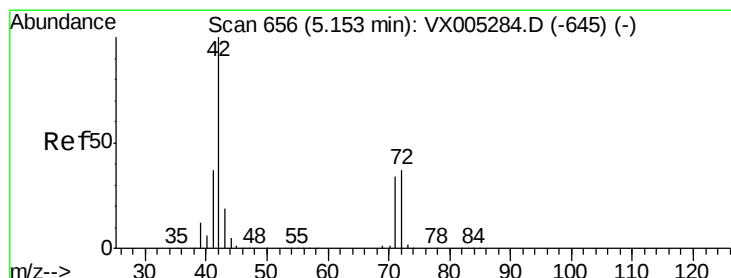
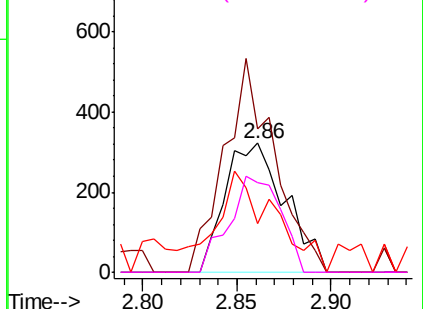
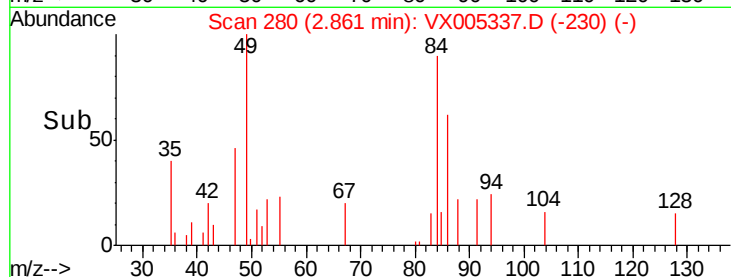
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005337.D
Acq: 15 Oct 2018 12:22

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion: 84 Resp: 711
Ion Ratio Lower Upper
84 100
49 111.2 101.2 151.8
51 18.3 29.5 44.3#
86 69.3 52.3 78.5

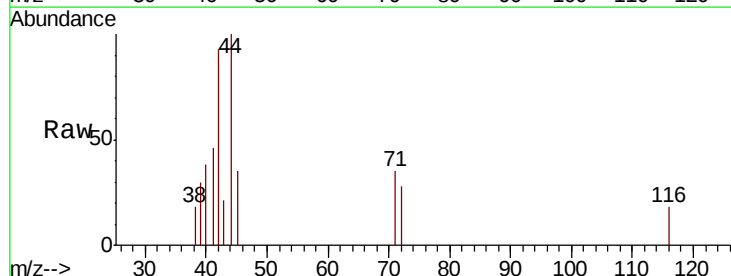


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

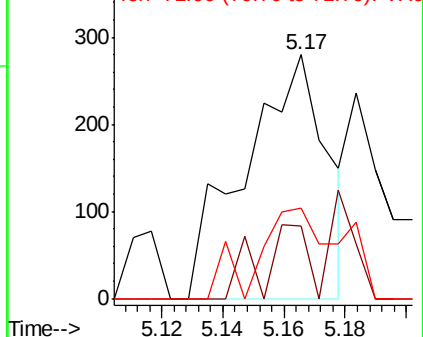
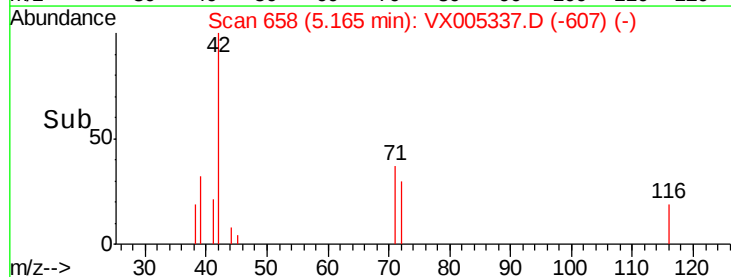


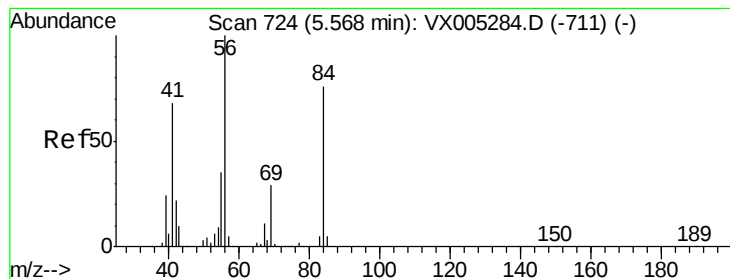
#29
Tetrahydrofuran
Concen: 0.315 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005337.D
Acq: 15 Oct 2018 12:22

Tgt Ion: 42 Resp: 522
Ion Ratio Lower Upper
42 100
72 16.7 37.4 56.0#
71 37.9 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: 1.169 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.09 min

Lab File: VX005337.D

Acq: 15 Oct 2018 12:22

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

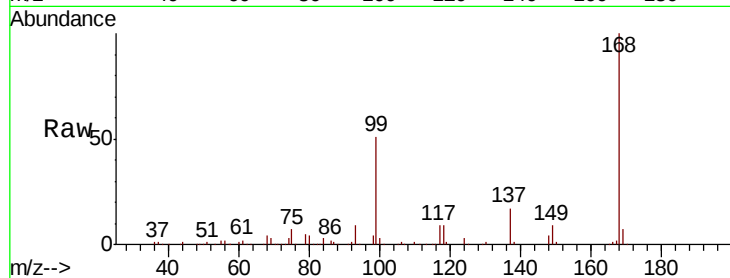
Tot Ion: 56 Resp: 4932

Ion Ratio Lower Upper

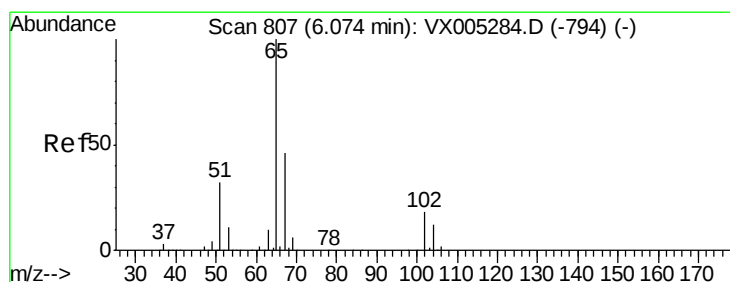
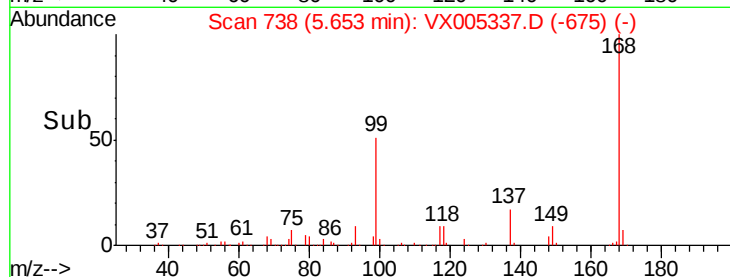
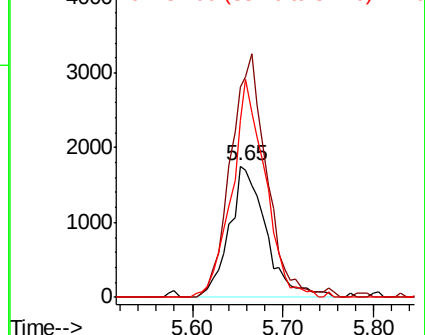
56 100

69 160.5 25.4 38.2#

84 134.5 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: 51.704 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005337.D

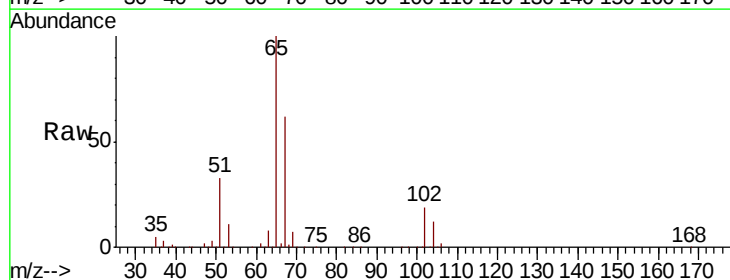
Acq: 15 Oct 2018 12:22

Tgt Ion: 65 Resp: 158669

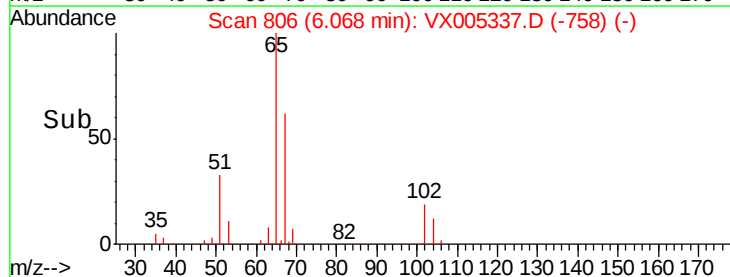
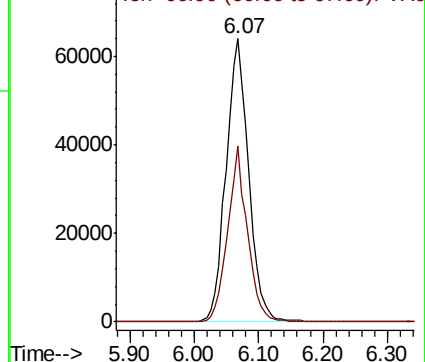
Ion Ratio Lower Upper

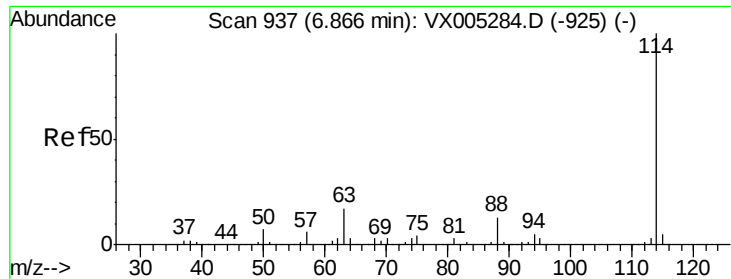
65 100

67 54.6 0.0 106.8



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

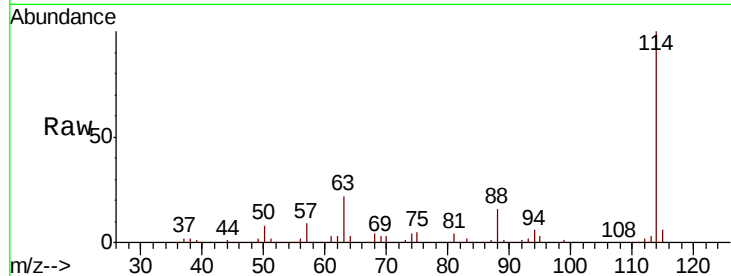




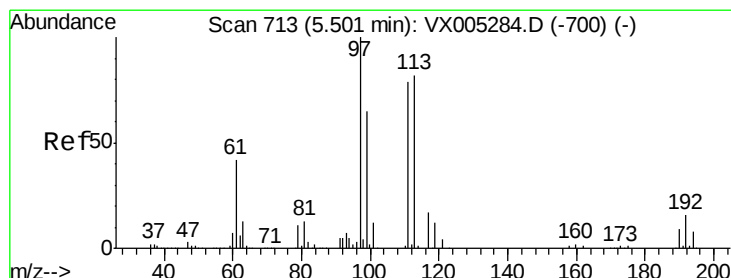
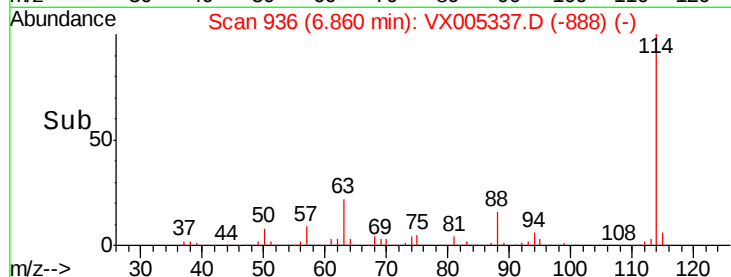
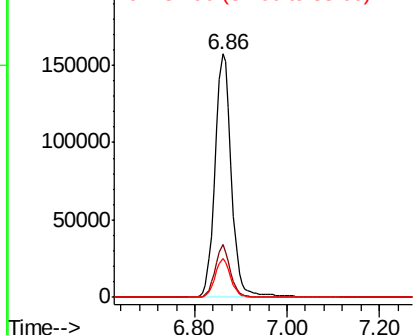
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005337.D
 Acq: 15 Oct 2018 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion:114 Resp: 389189
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.0
 88 15.8 0.0 30.4

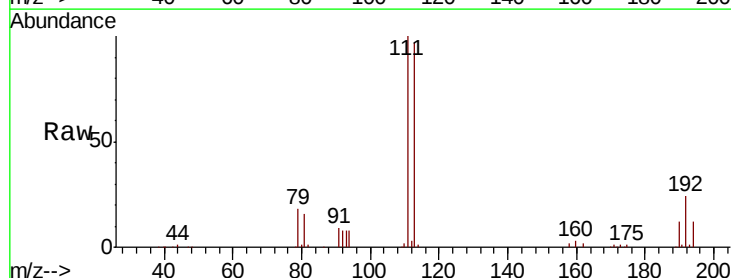


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

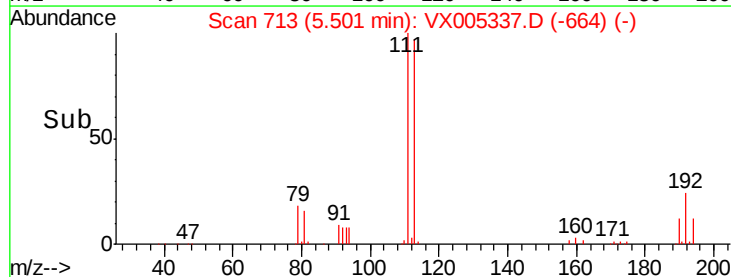
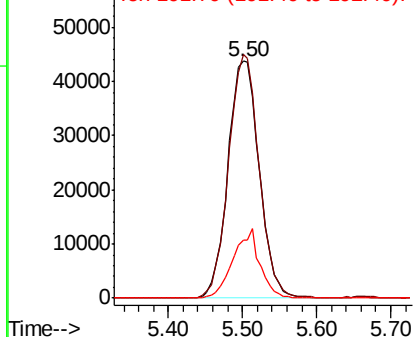


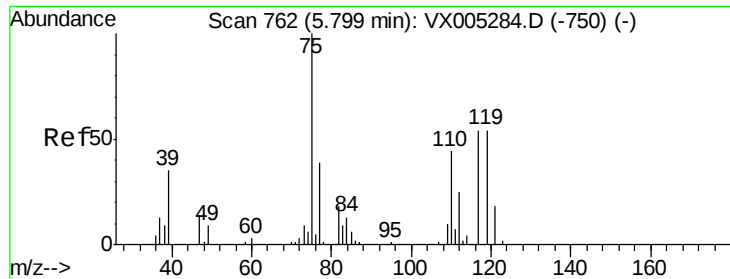
#35
 Dibromofluoromethane
 Concen: 50.096 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005337.D
 Acq: 15 Oct 2018 12:22

Tgt Ion:113 Resp: 129133
 Ion Ratio Lower Upper
 113 100
 111 100.0 82.4 123.6
 192 24.7 19.4 29.2



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

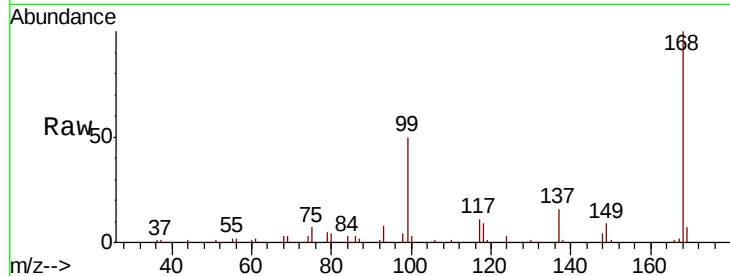




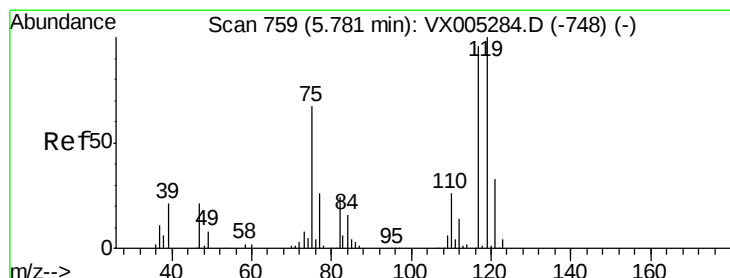
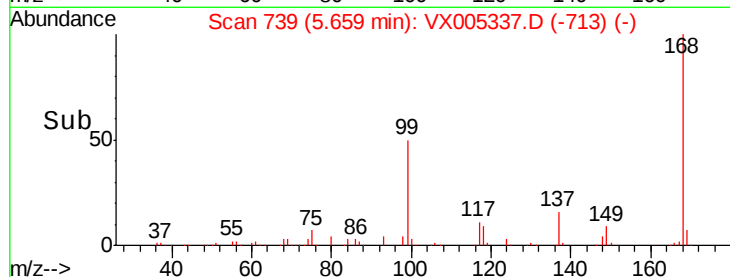
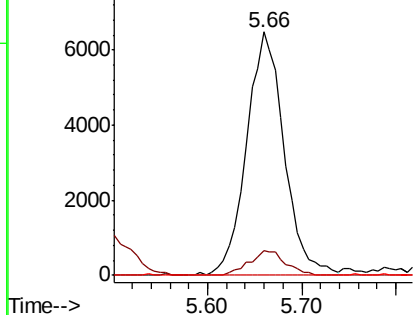
#36
 1,1-Dichloropropene
 Concen: 4.790 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005337.D
 Acq: 15 Oct 2018 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion	75	Resp	18054
Ion Ratio	100	Lower	Upper
75	100		
110	9.7	18.0	54.0#
77	0.0	24.6	36.8#

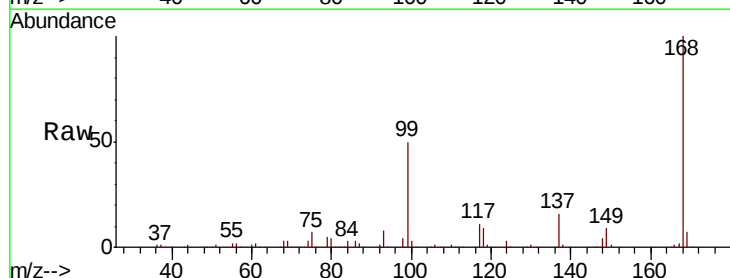


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

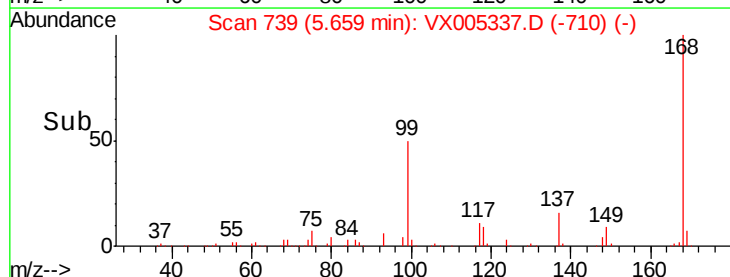
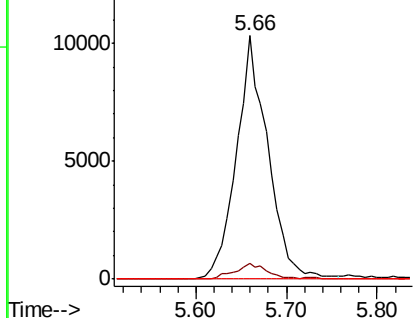


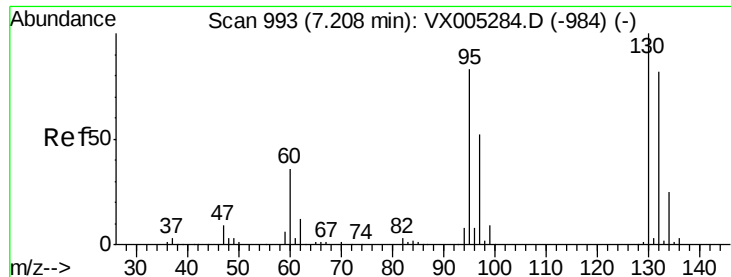
#38
 Carbon Tetrachloride
 Concen: 6.566 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005337.D
 Acq: 15 Oct 2018 12:22

Tgt Ion	117	Resp	24868
Ion Ratio	100	Lower	Upper
117	100		
119	6.4	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: VX005337.D

Acq: 15 Oct 2018 12:22

Instrument :

MSVOA_X

ClientSampleId :

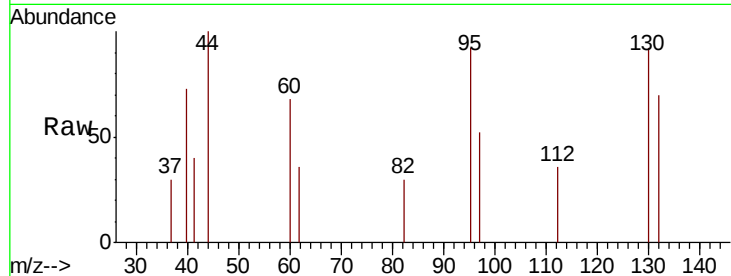
TRIP-BLANK

Tot Ion:130 Resp: 287

Ion Ratio Lower Upper

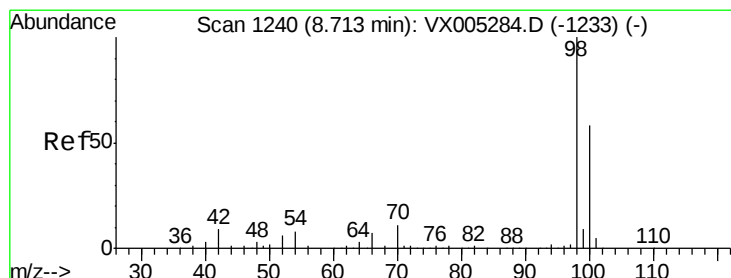
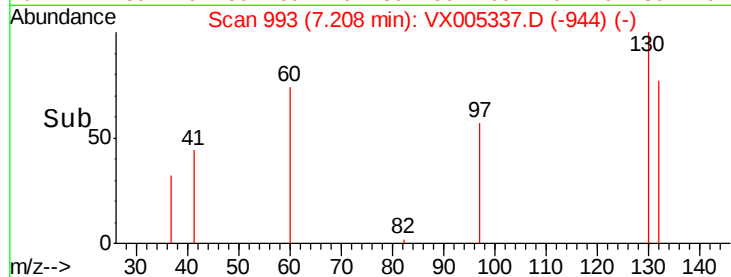
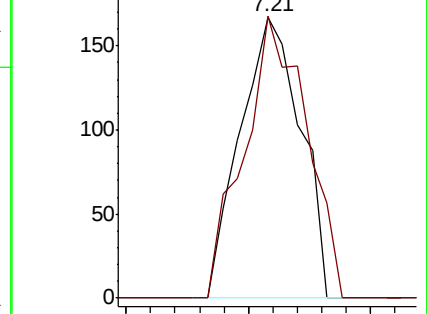
130 100

95 100.6 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: 52.038 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005337.D

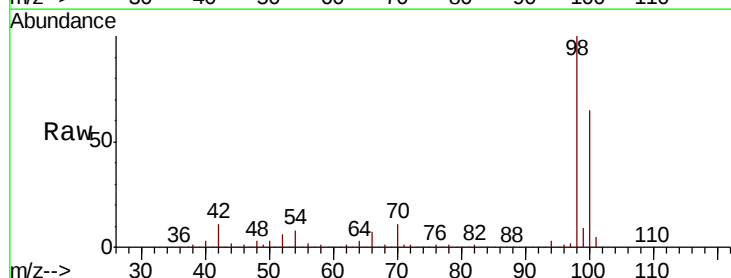
Acq: 15 Oct 2018 12:22

Tgt Ion: 98 Resp: 460504

Ion Ratio Lower Upper

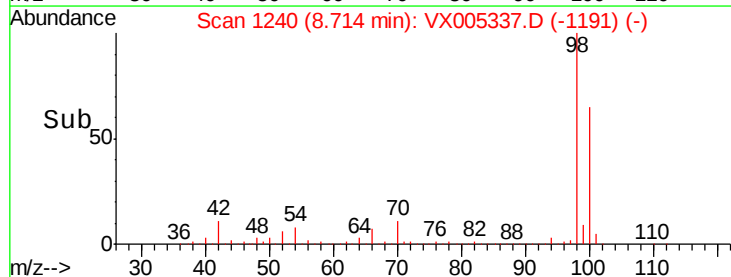
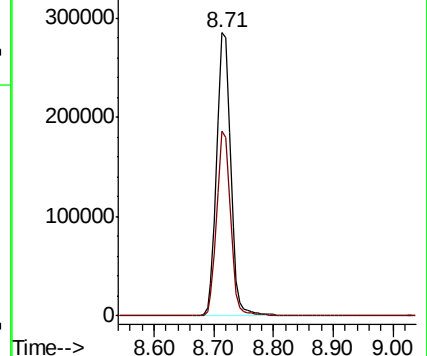
98 100

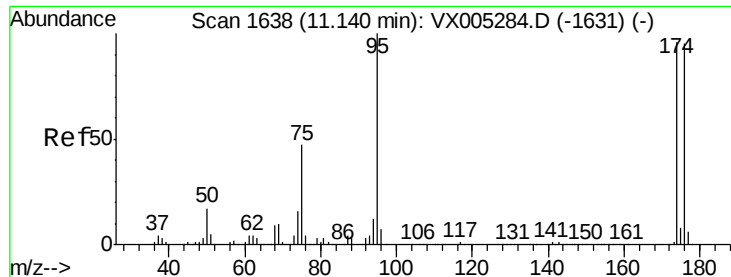
100 64.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

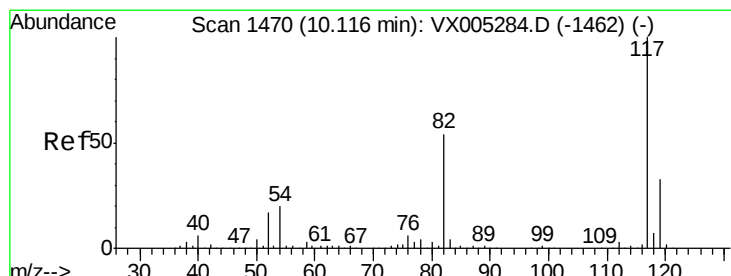
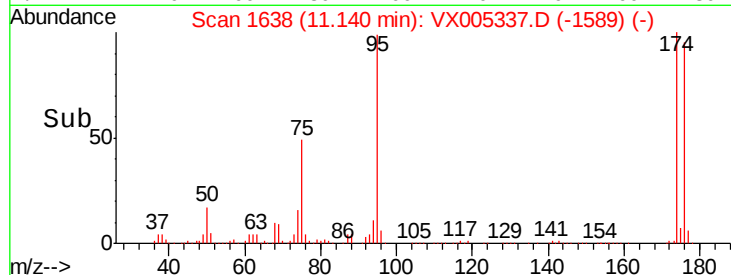
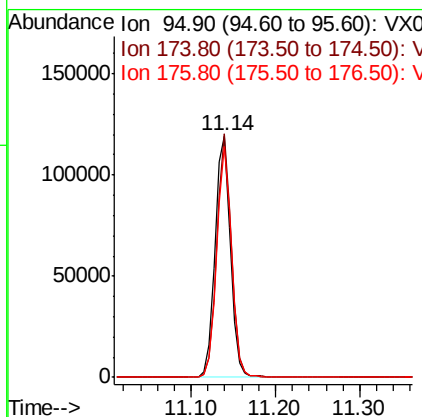
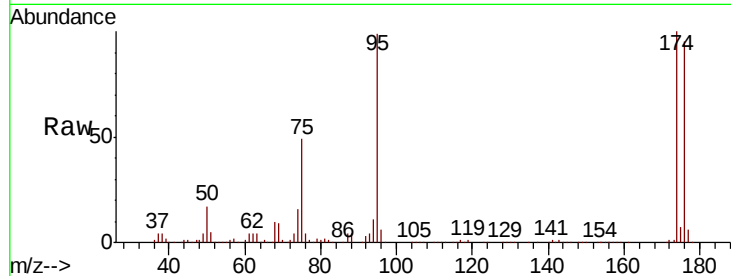




#62
4-Bromofluorobenzene
Concen: 45.523 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005337.D
Acq: 15 Oct 2018 12:22

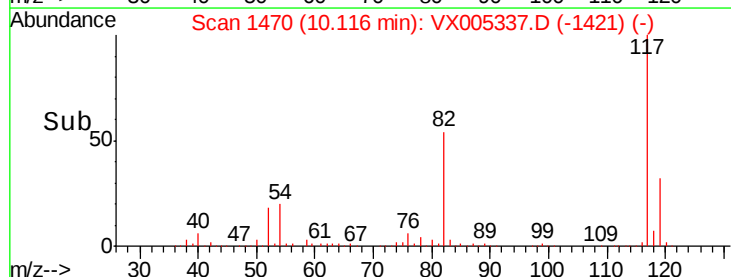
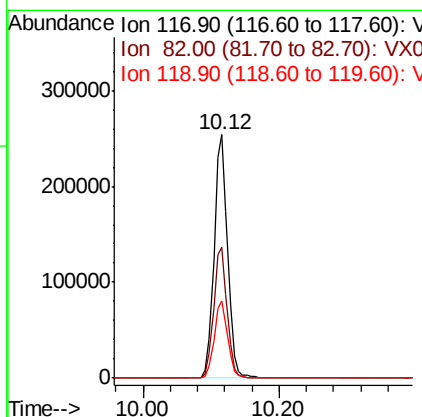
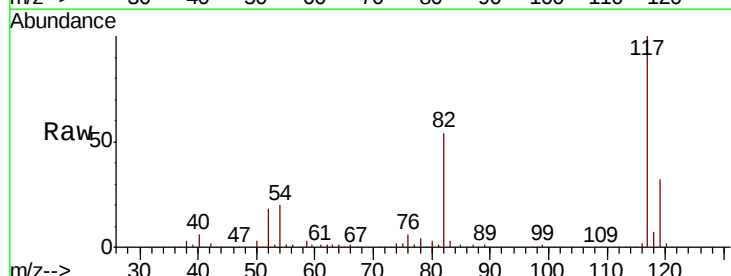
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

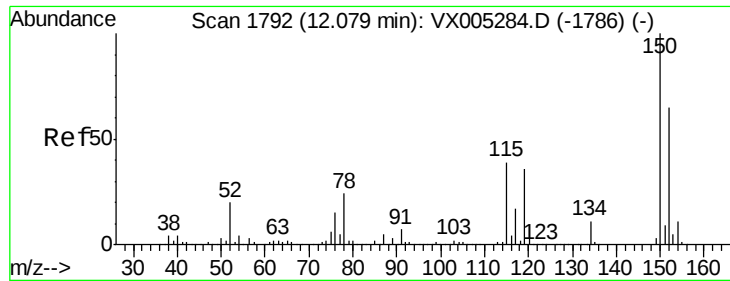
Tot Ion: 95 Resp: 151337
Ion Ratio Lower Upper
95 100
174 96.5 0.0 185.2
176 92.7 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005337.D
Acq: 15 Oct 2018 12:22

Tgt Ion: 117 Resp: 348556
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 31.9 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: VX005337.D

Acq: 15 Oct 2018 12:22

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

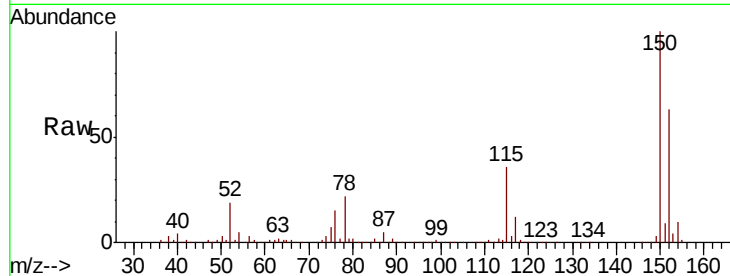
Tot Ion:152 Resp: 167554

Ion Ratio Lower Upper

152 100

115 55.1 39.0 117.0

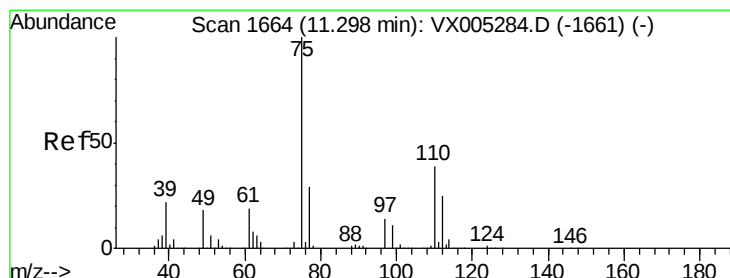
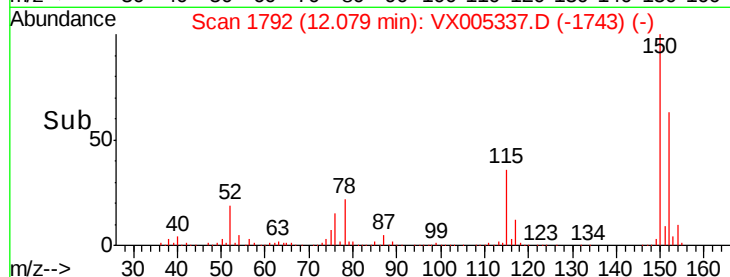
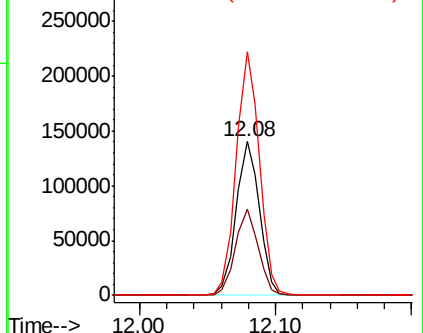
150 157.5 0.0 351.0



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: 22.955 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005337.D

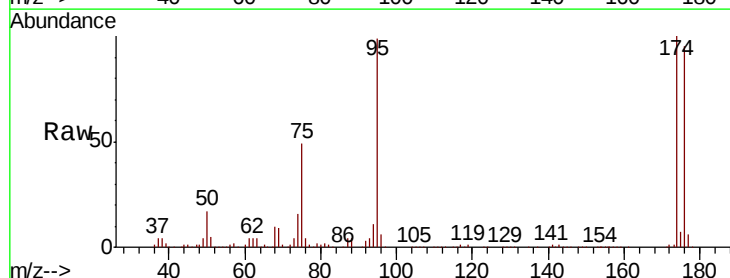
Acq: 15 Oct 2018 12:22

Tgt Ion: 75 Resp: 74605

Ion Ratio Lower Upper

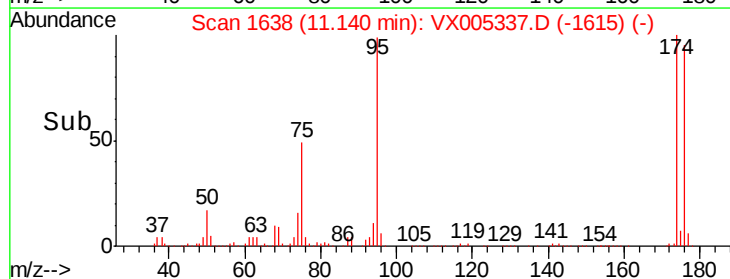
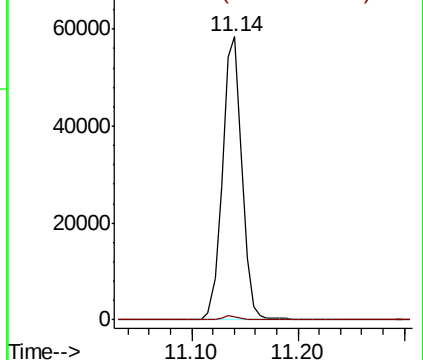
75 100

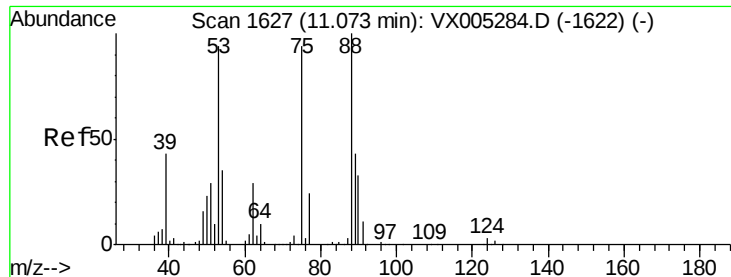
77 1.5 20.2 60.6#



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: 69.748 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005337.D

Acq: 15 Oct 2018 12:22

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion: 75 Resp: 74605

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

