

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005401.D
 Acq On : 17 Oct 2018 20:41
 Operator : JC/MD
 Sample : J5569-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 18 11:00:59 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	5.65	168	331928	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	453761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	399443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	170884	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
35) Dibromofluoromethane	5.49	113	146566	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	8.71	98	534004	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.14	95	177625	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	

Target Compounds

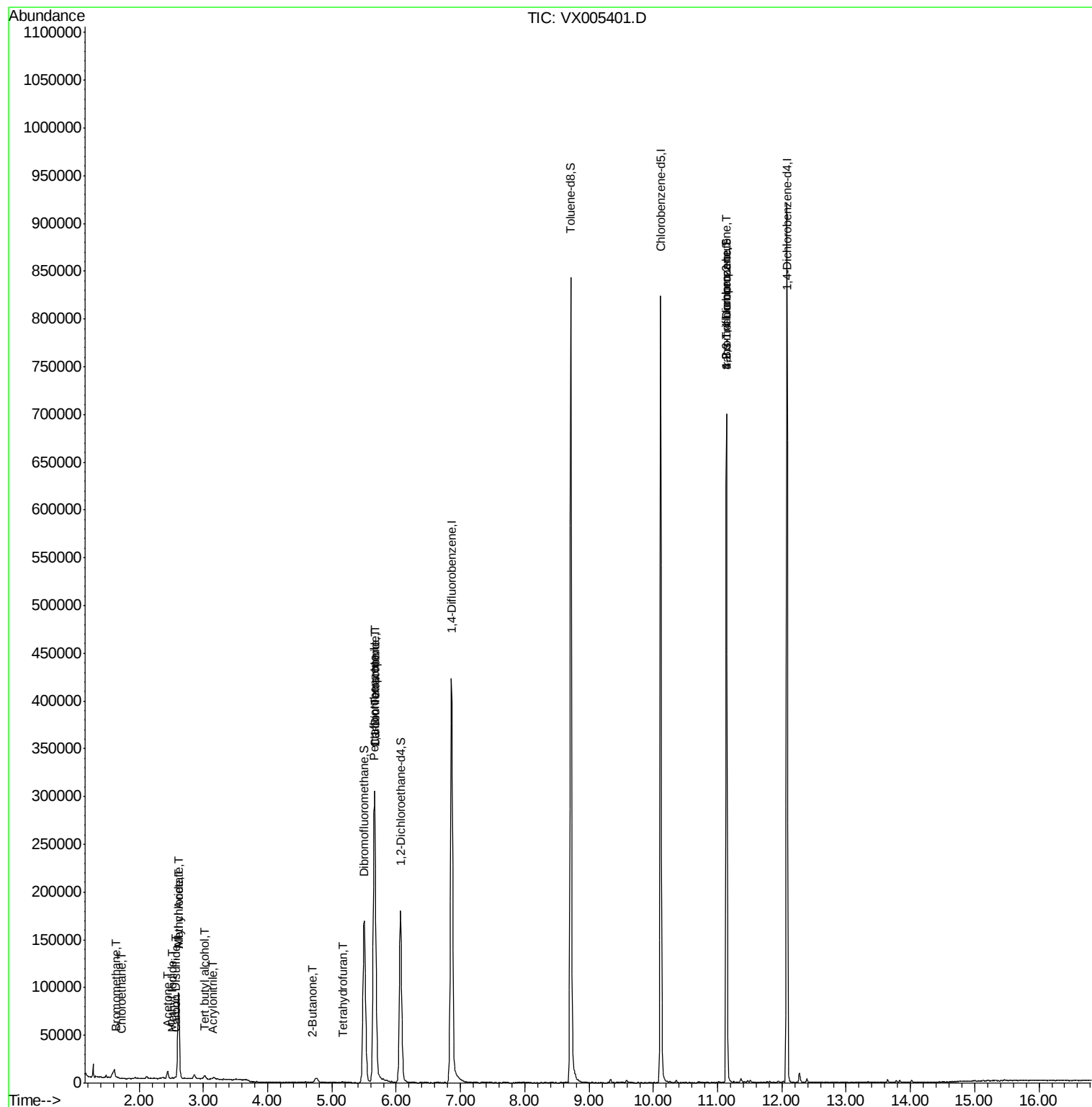
					Qvalue	
5) Bromomethane	1.64	94	822	0.962	ug/l #	74
6) Chloroethane	1.73	64	98	0.374	ug/l #	44
10) Methyl Iodide	2.51	142	1049	2.799	ug/l	98
11) Tert butyl alcohol	3.03	59	2206	2.123	ug/l #	86
13) Acrolein	2.30	56	195	Below Cal	#	1
14) Allyl chloride	2.62	41	8697	1.363	ug/l #	66
15) Acrylonitrile	3.15	53	924	0.392	ug/l #	85
16) Acetone	2.45	43	7780	3.653	ug/l	94
17) Carbon Disulfide	2.57	76	2374	0.270	ug/l #	91
18) Methyl Acetate	2.62	43	22456	3.706	ug/l #	51
20) Methylene Chloride	2.86	84	1896	Below Cal	#	85
25) 2-Butanone	4.70	43	660	0.212	ug/l #	86
29) Tetrahydrofuran	5.16	42	685	0.345	ug/l #	79
36) 1,1-Dichloropropene	5.66	75	21427	4.876	ug/l #	49
38) Carbon Tetrachloride	5.67	117	28431	6.439	ug/l #	15
44) Trichloroethene	7.22	130	292	Below Cal		98
76) 1,2,3-Trichloropropane	11.14	75	84997	22.835	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	84997	69.382	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101718\
Data File : VX005401.D
Acq On : 17 Oct 2018 20:41
Operator : JC/MD
Sample : J5569-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
TRIP-BLANK

Quant Time: Oct 18 11:00:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
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: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

Instrument :

MSVOA_X

ClientSampled :

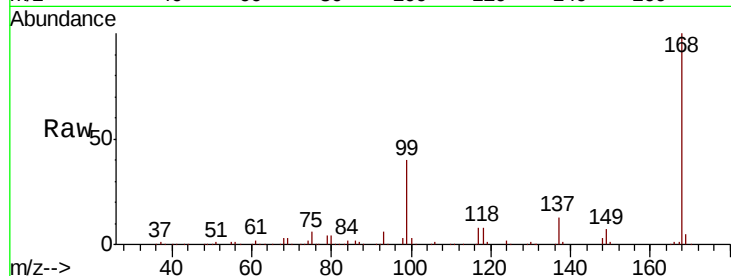
TRIP-BLANK

Tot Ion:168 Resp: 331928

Ion Ratio Lower Upper

168 100

99 40.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

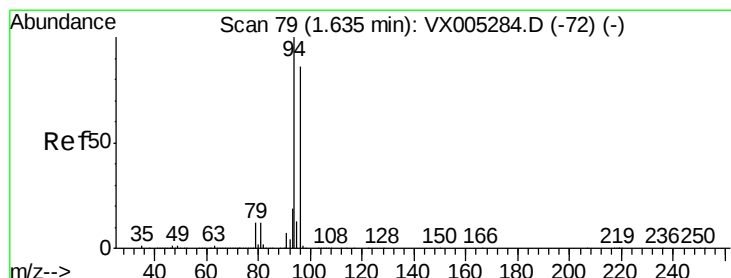
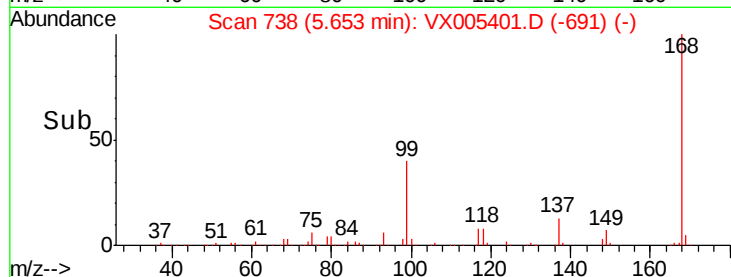
5.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.962 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005401.D

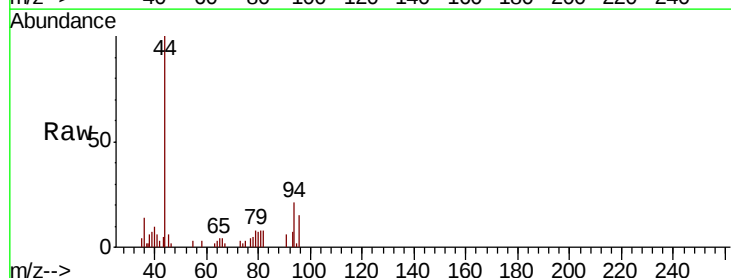
Acq: 17 Oct 2018 20:41

Tgt Ion: 94 Resp: 822

Ion Ratio Lower Upper

94 100

96 68.3 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

500

400

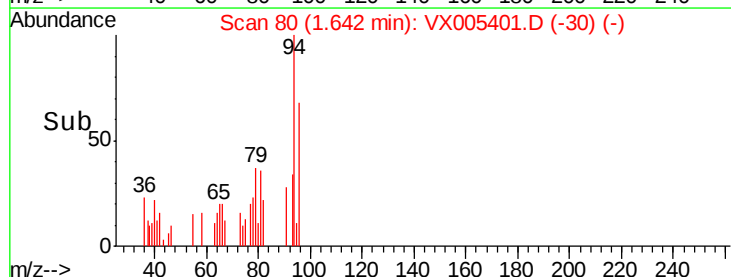
300

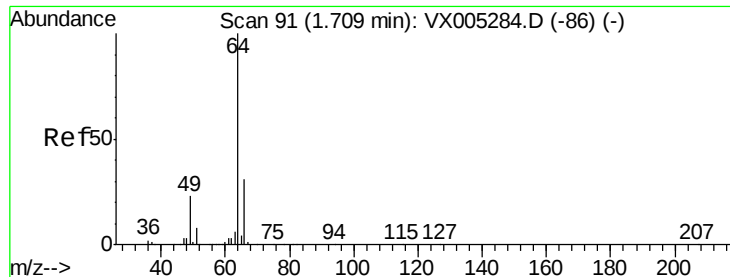
200

100

0

Time-->





#6

Chloroethane

Concen: 0.374 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

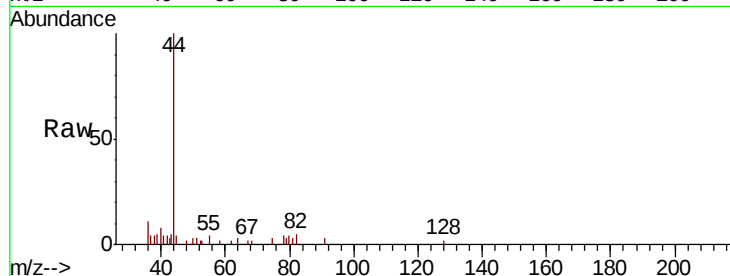
TRIP-BLANK

Tot Ion: 64 Resp: 98

Ion Ratio Lower Upper

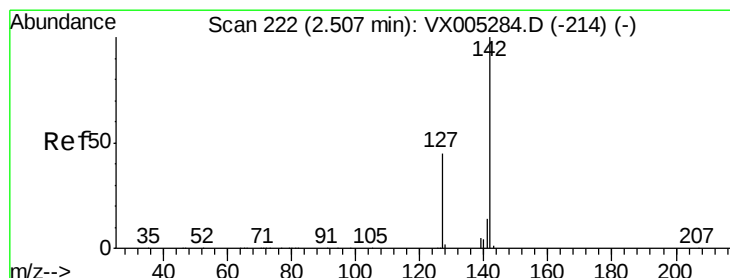
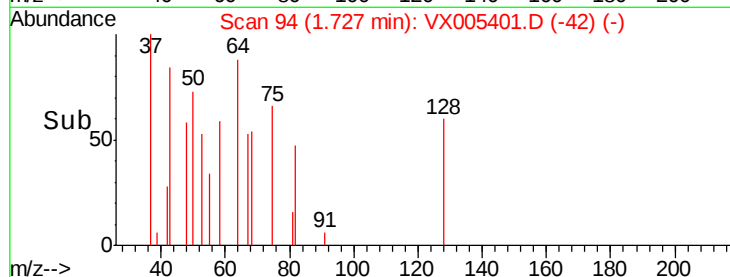
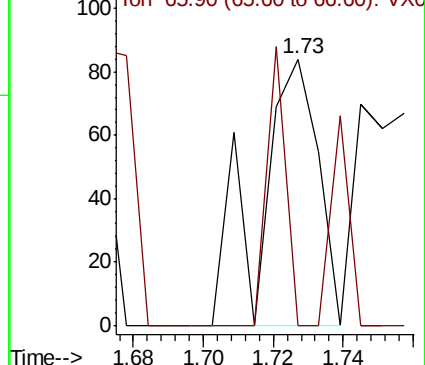
64 100

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: 2.799 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

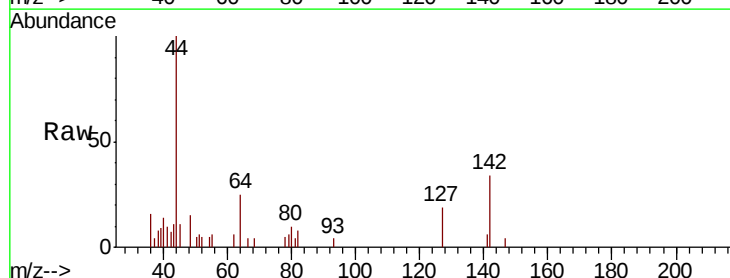
Tgt Ion: 142 Resp: 1049

Ion Ratio Lower Upper

142 100

127 41.6 33.8 50.6

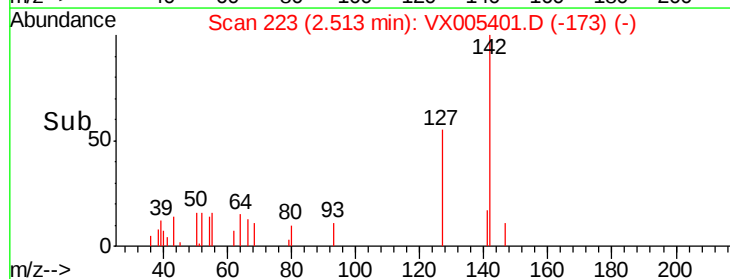
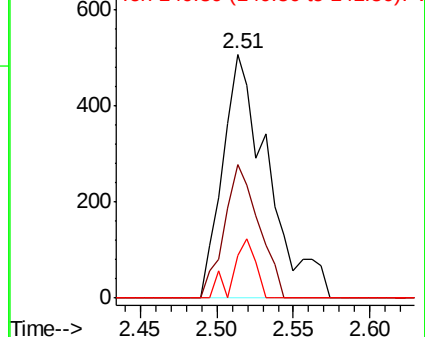
141 11.9 11.4 17.0

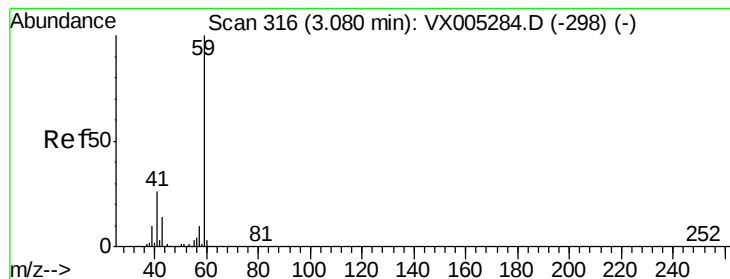


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



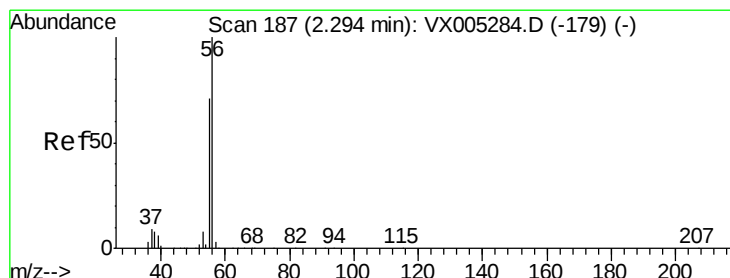
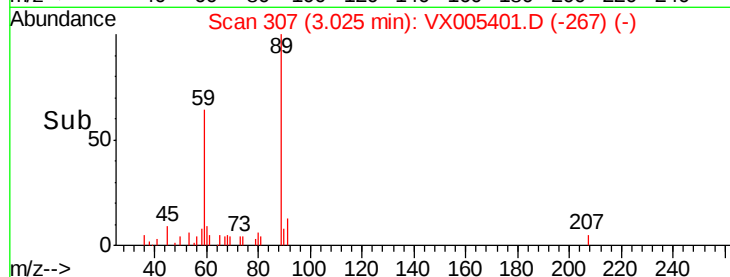
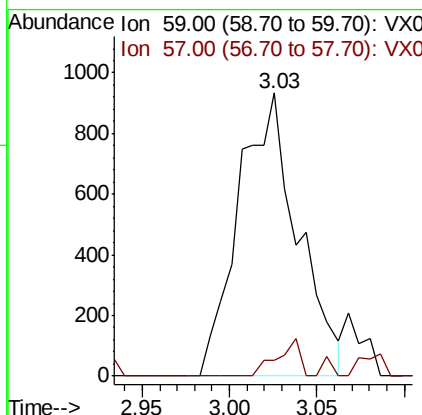
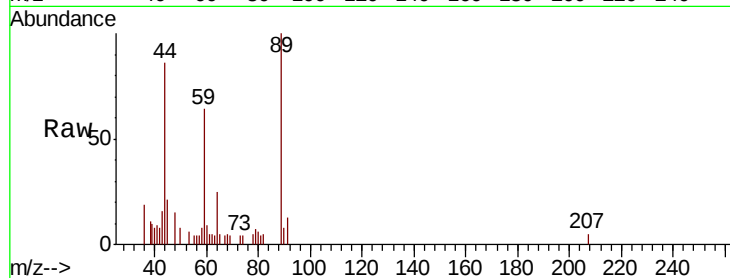


#11

Tert butyl alcohol
 Concen: 2.123 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX005401.D
 Acq: 17 Oct 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

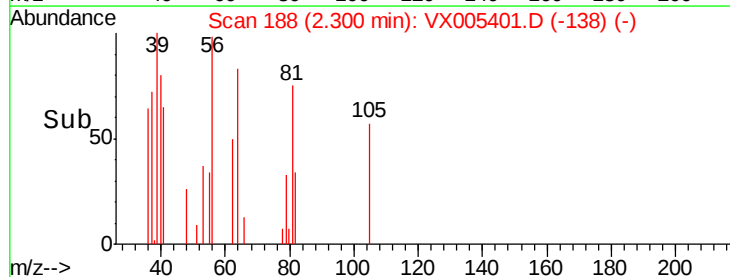
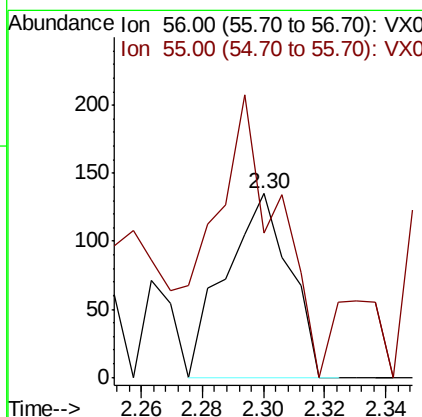
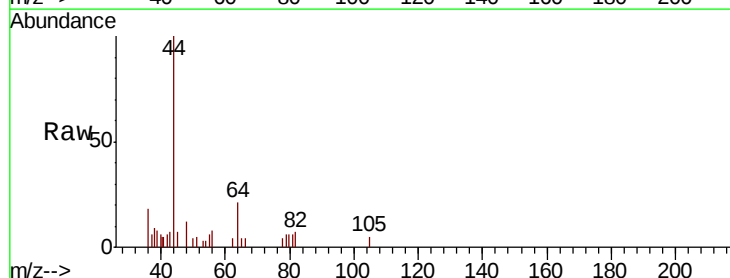
Tot Ion: 59 Resp: 2206
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.2 12.4#

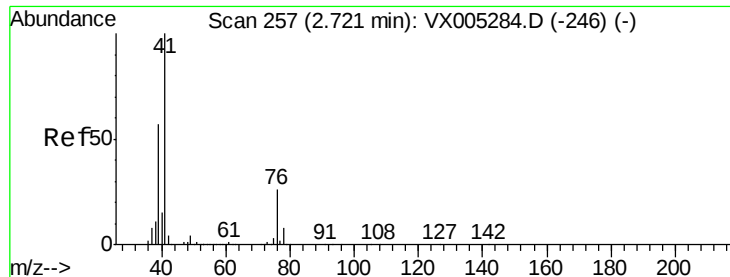


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005401.D
 Acq: 17 Oct 2018 20:41

Tgt Ion: 56 Resp: 195
 Ion Ratio Lower Upper
 56 100
 55 155.9 54.7 82.1#

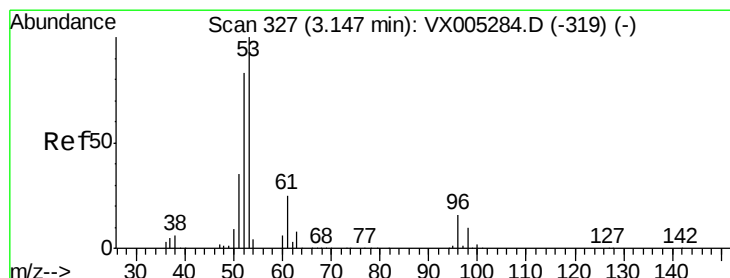
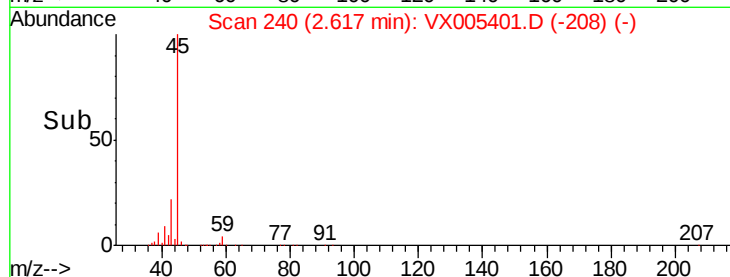
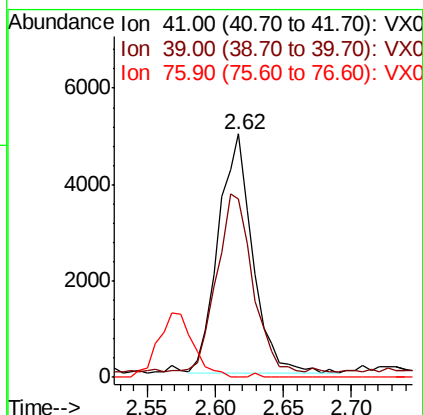
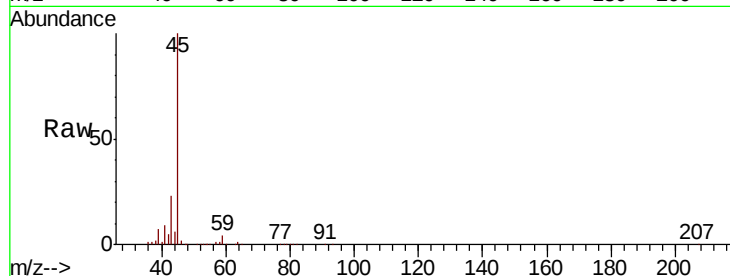




#14
Allvl chloride
Concen: 1.363 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX005401.D
Acq: 17 Oct 2018 20:41

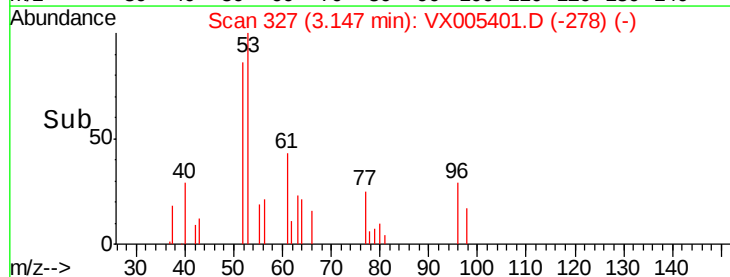
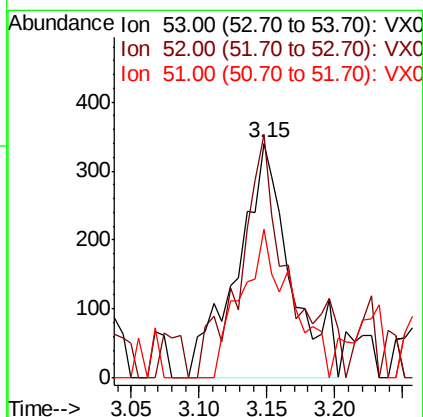
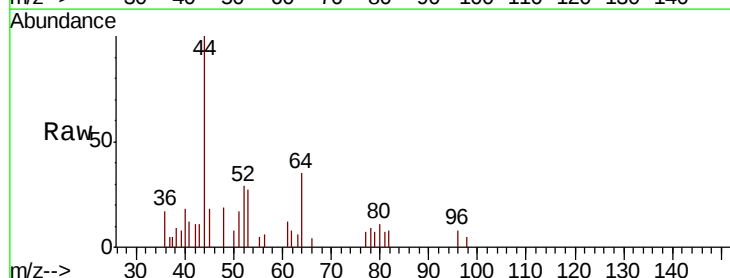
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

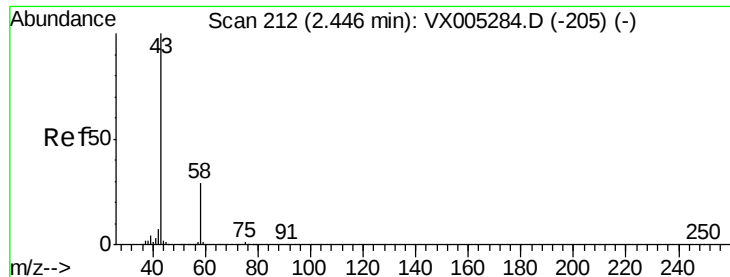
Tot Ion: 41 Resp: 8697
Ion Ratio Lower Upper
41 100
39 76.2 48.9 73.3#
76 0.0 26.7 40.1#



#15
Acrylonitrile
Concen: 0.392 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.00 min
Lab File: VX005401.D
Acq: 17 Oct 2018 20:41

Tgt Ion: 53 Resp: 924
Ion Ratio Lower Upper
53 100
52 84.1 65.2 97.8
51 60.1 28.2 42.2#





#16

Acetone

Concen: 3.653 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

Instrument :

MSVOA_X

ClientSampled :

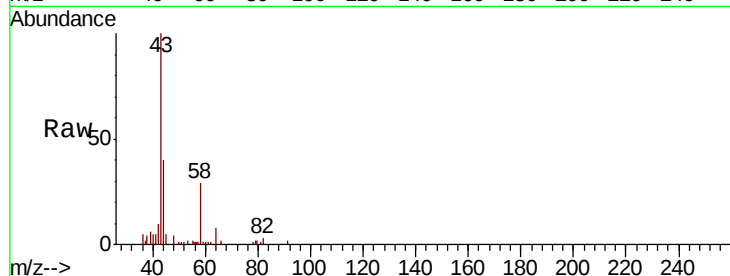
TRIP-BLANK

Tot Ion: 43 Resp: 7780

Ion Ratio Lower Upper

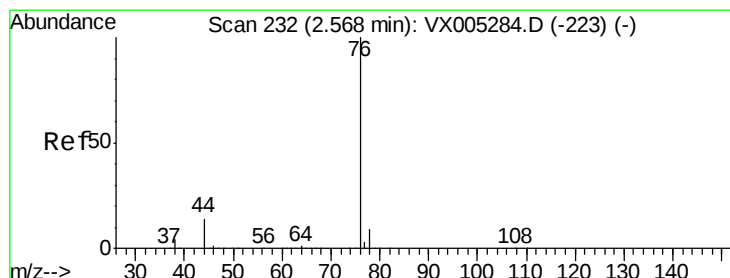
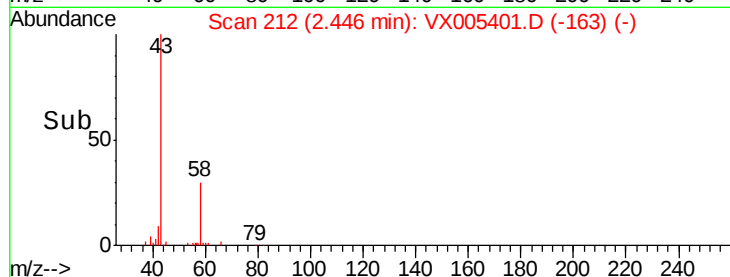
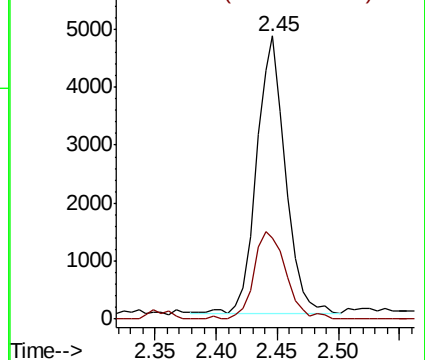
43 100

58 29.5 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: 0.270 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005401.D

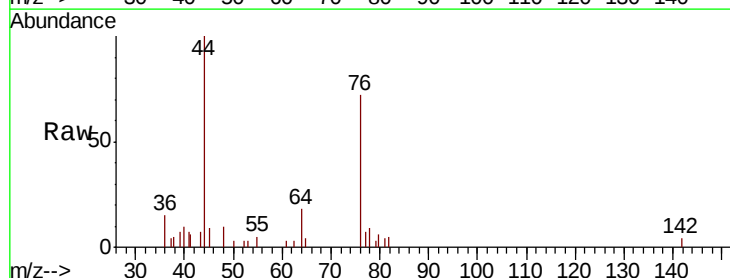
Acq: 17 Oct 2018 20:41

Tgt Ion: 76 Resp: 2374

Ion Ratio Lower Upper

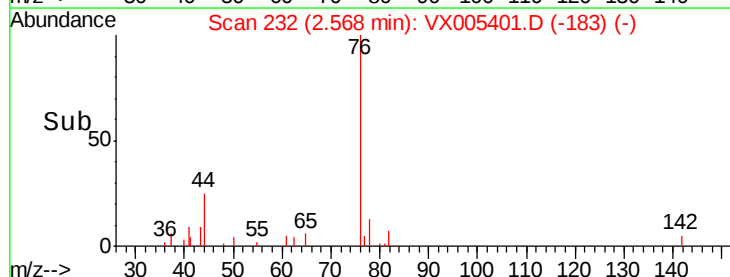
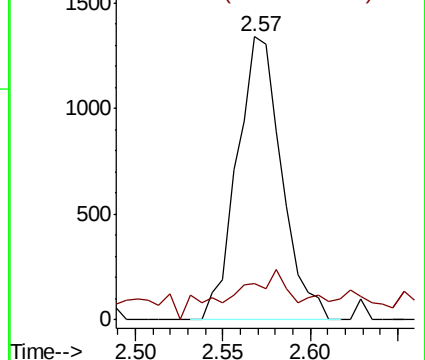
76 100

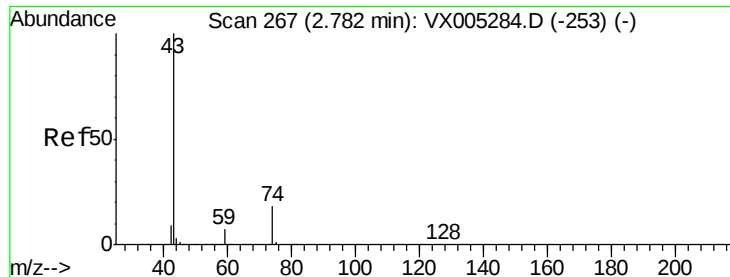
78 5.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

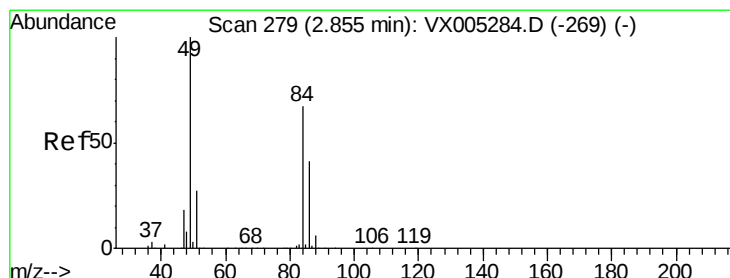
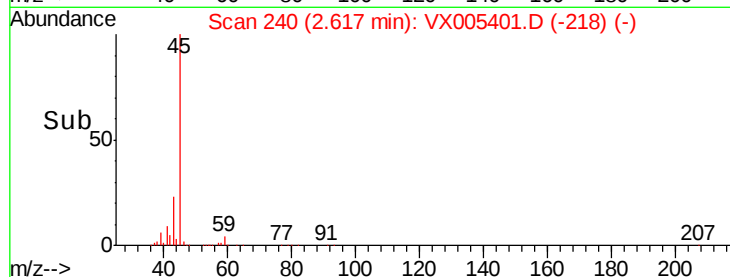
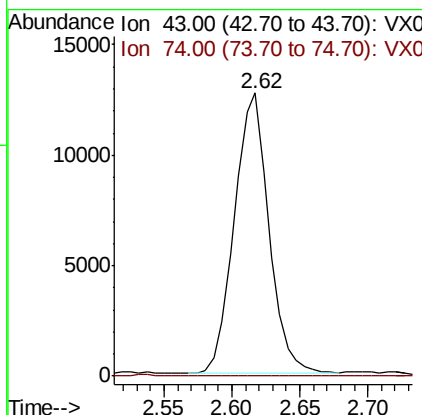
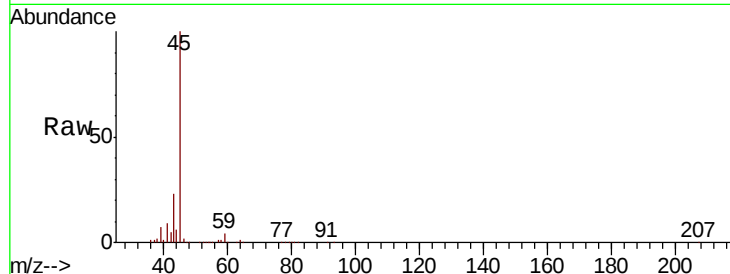




#18
Methvl Acetate
Concen: 3.706 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.16 min
Lab File: VX005401.D
Acq: 17 Oct 2018 20:41

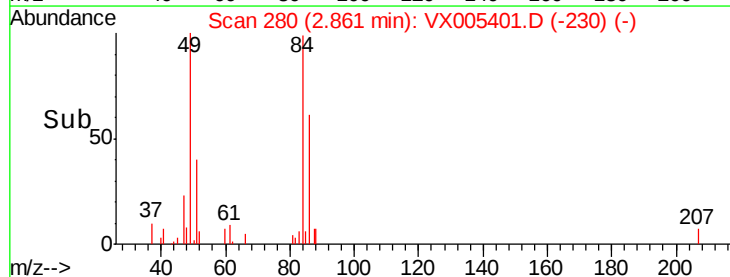
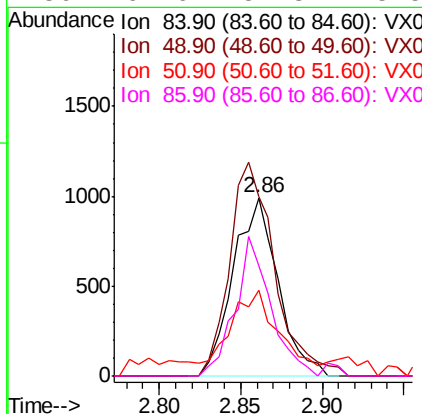
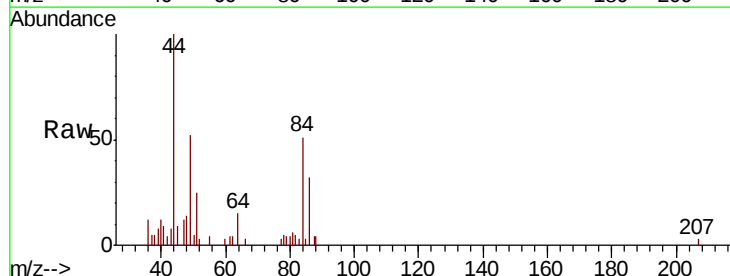
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

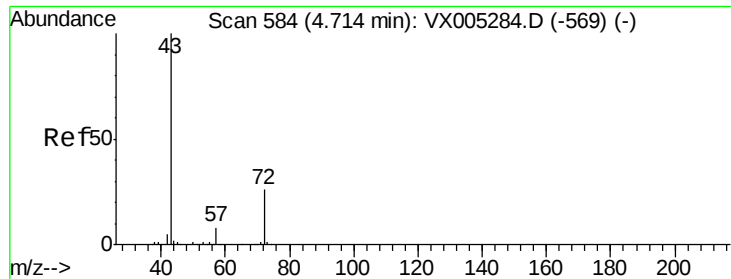
Tot Ion: 43 Resp: 22456
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005401.D
Acq: 17 Oct 2018 20:41

Tgt Ion: 84 Resp: 1896
Ion Ratio Lower Upper
84 100
49 100.9 101.2 151.8#
51 40.6 29.5 44.3
86 61.6 52.3 78.5





#25

2-Butanone

Concen: 0.212 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

Instrument :

MSVOA_X

ClientSampled :

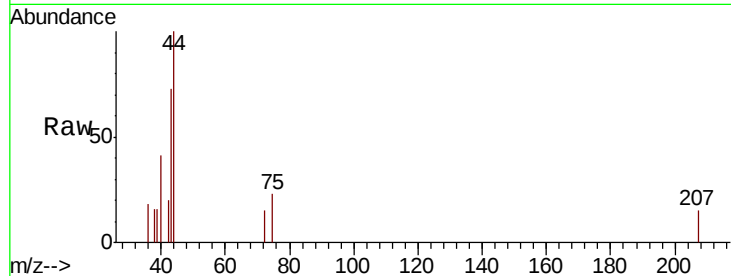
TRIP-BLANK

Tot Ion: 43 Resp: 660

Ion Ratio Lower Upper

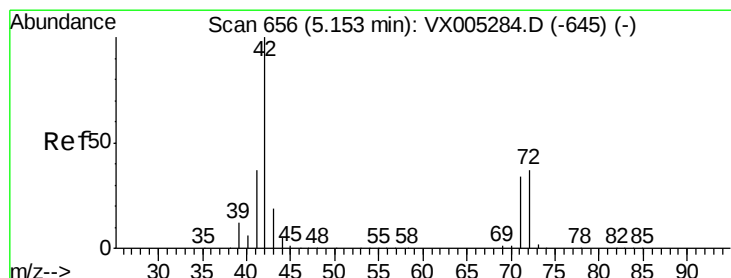
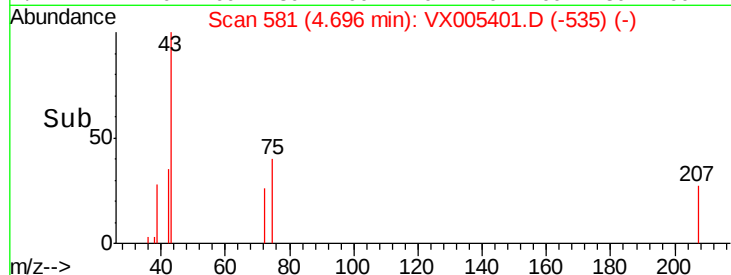
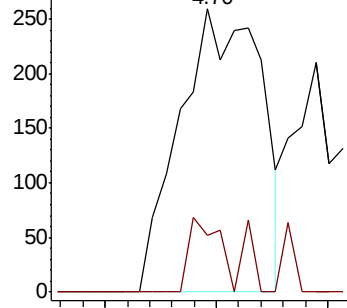
43 100

72 20.1 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.345 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

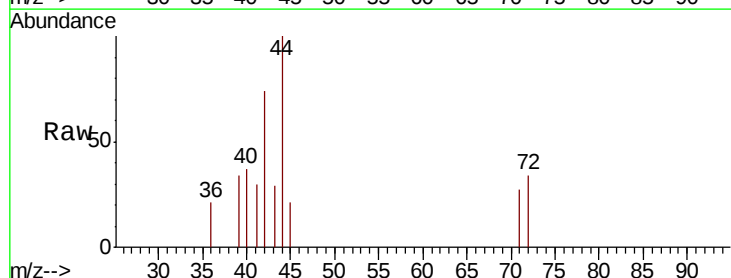
Tgt Ion: 42 Resp: 685

Ion Ratio Lower Upper

42 100

72 33.4 37.4 56.0#

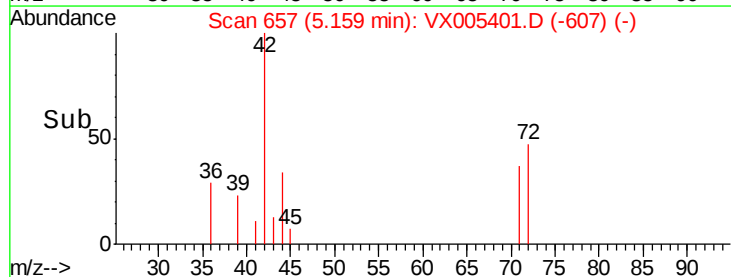
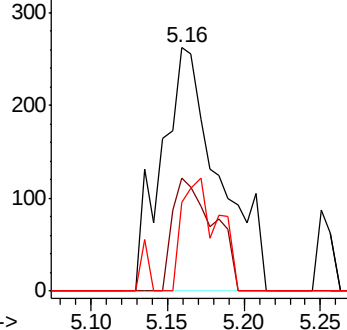
71 29.2 34.5 51.7#

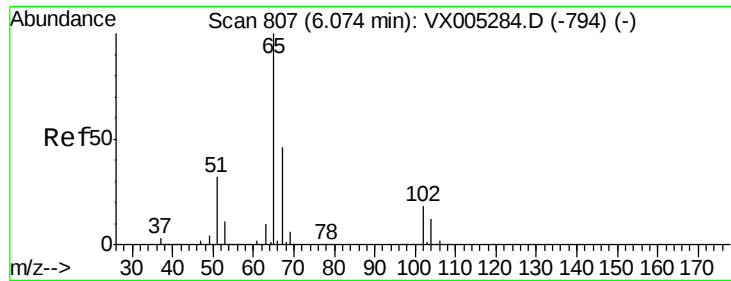


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.387 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

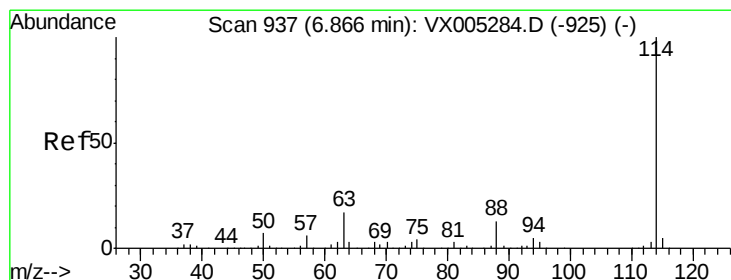
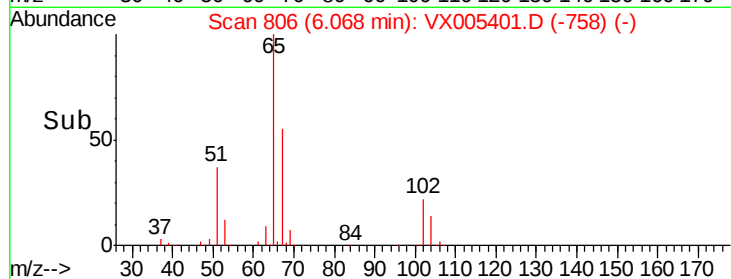
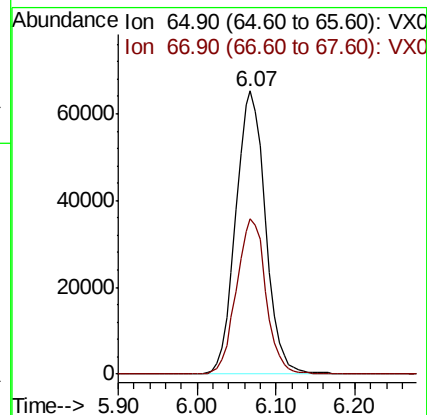
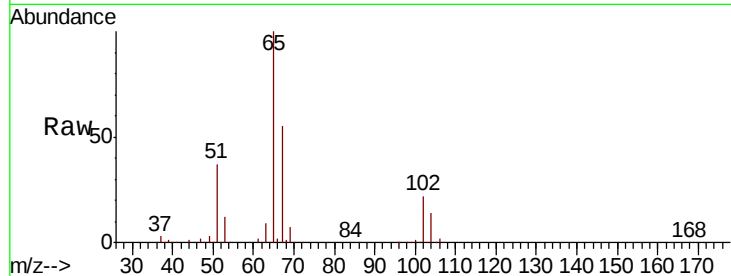
TRIP-BLANK

Tot Ion: 65 Resp: 170884

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

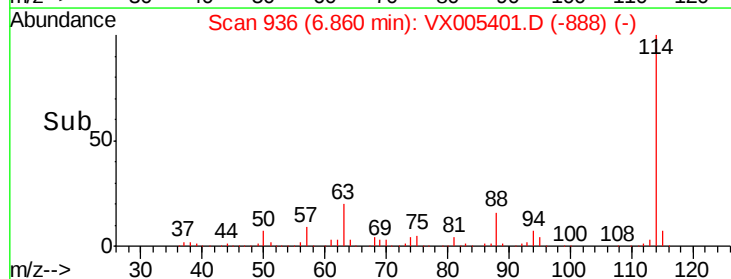
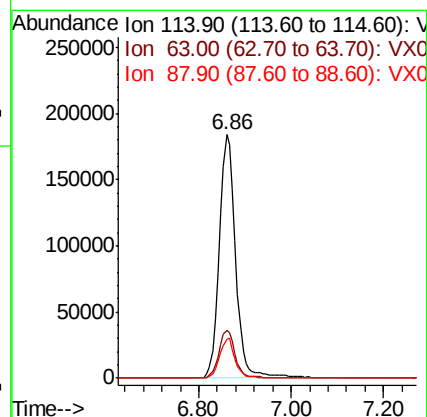
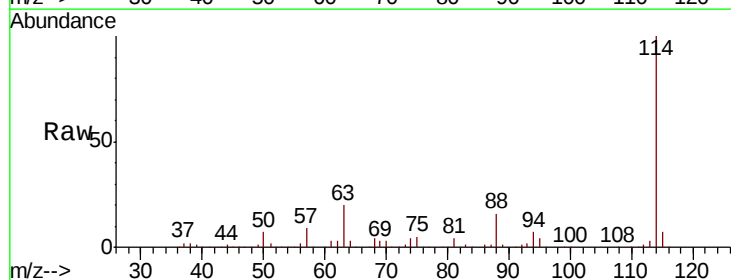
Tgt Ion: 114 Resp: 453761

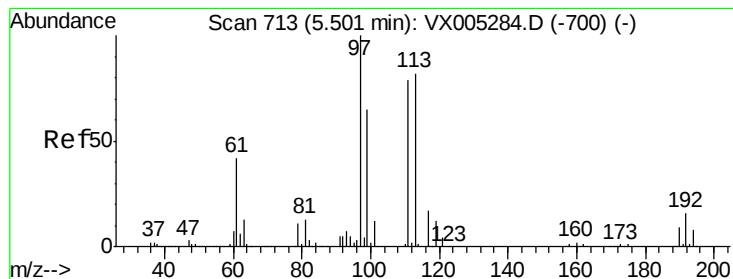
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.768 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

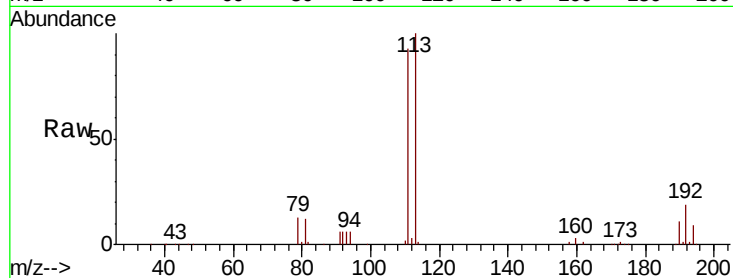
Tot Ion:113 Resp: 146566

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

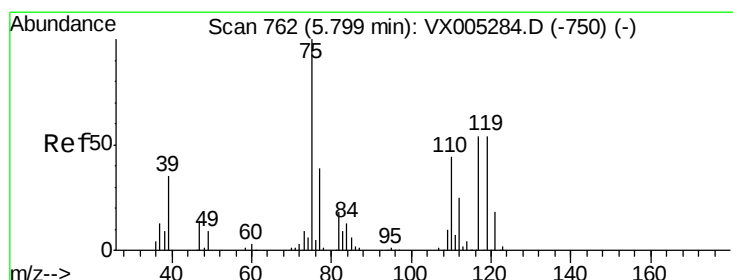
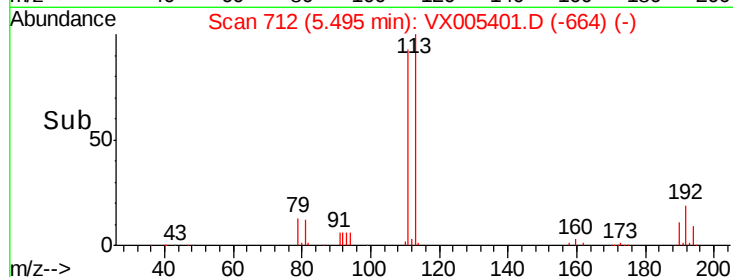
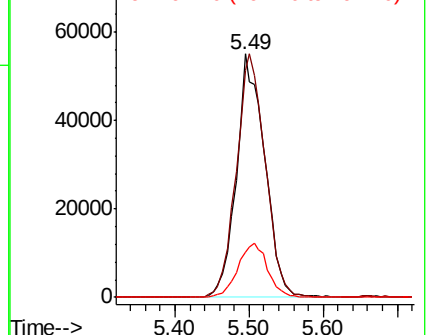
192 23.5 19.4 29.2



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: 4.876 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

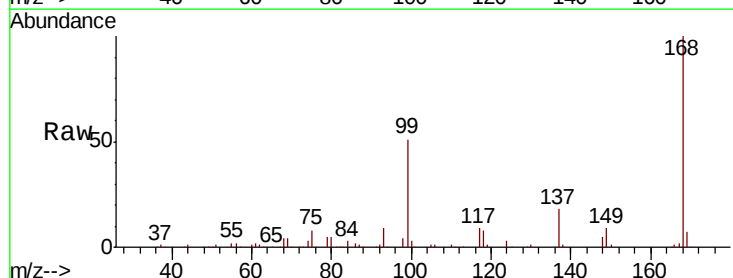
Tgt Ion: 75 Resp: 21427

Ion Ratio Lower Upper

75 100

110 9.0 18.0 54.0#

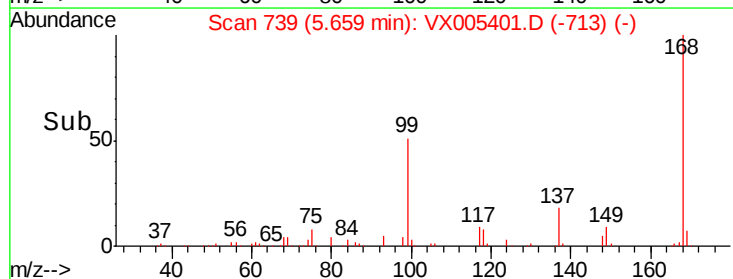
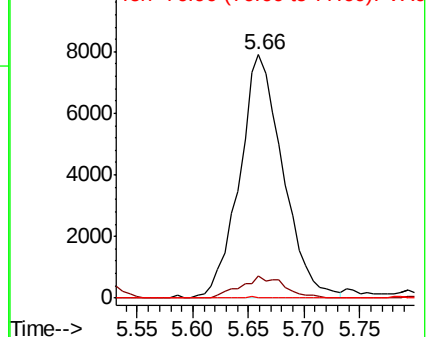
77 0.1 24.6 36.8#

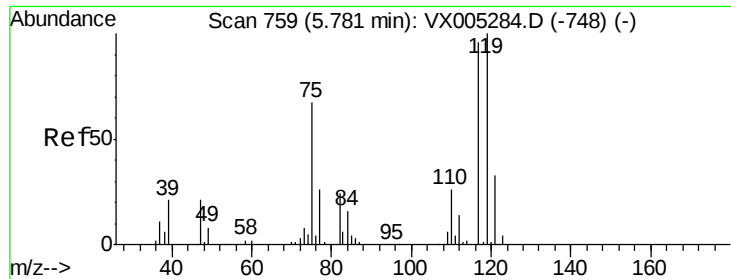


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.439 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

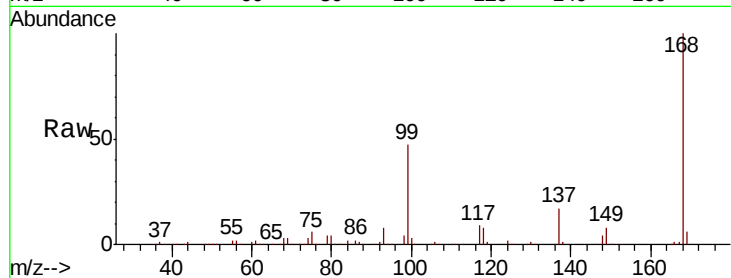
Tot Ion:117 Resp: 28431

Ion Ratio Lower Upper

117 100

119 5.6 78.8 118.2#

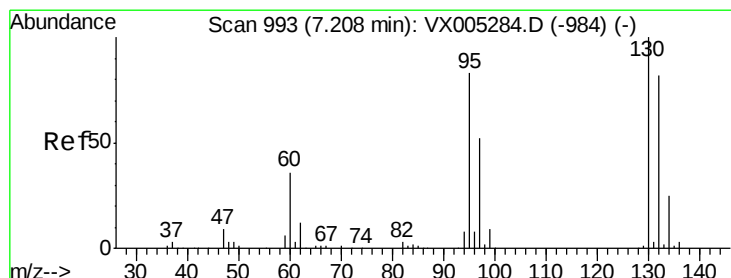
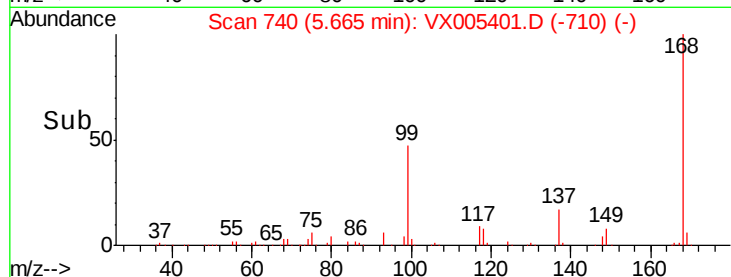
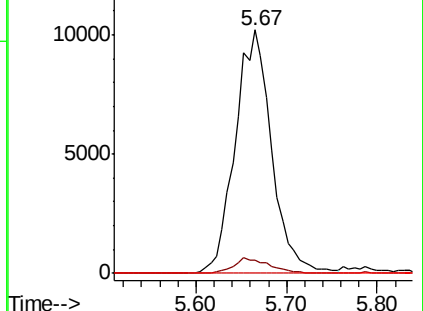
121 0.0 24.9 37.3#



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: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005401.D

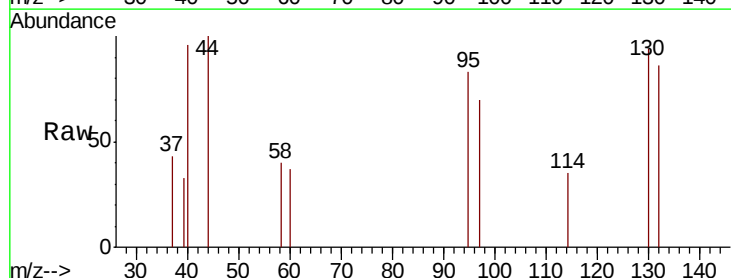
Acq: 17 Oct 2018 20:41

Tgt Ion:130 Resp: 292

Ion Ratio Lower Upper

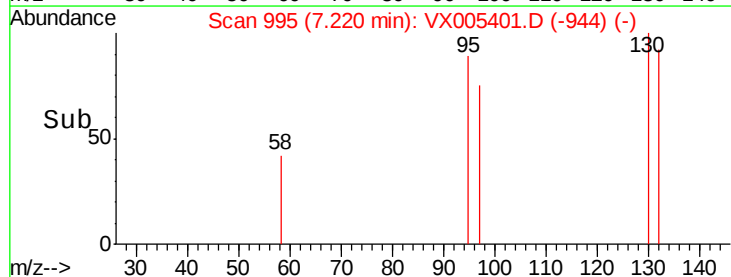
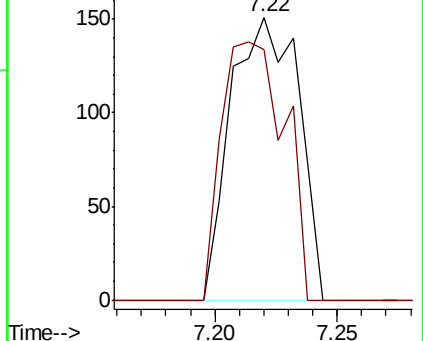
130 100

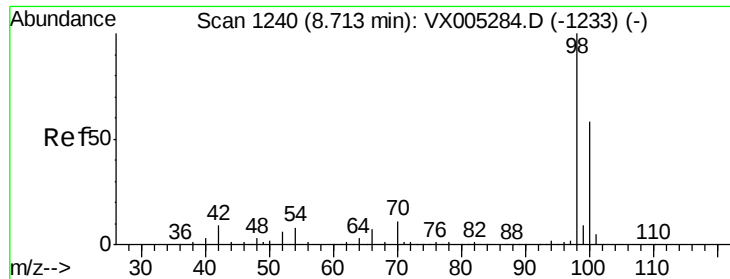
95 88.7 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.756 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

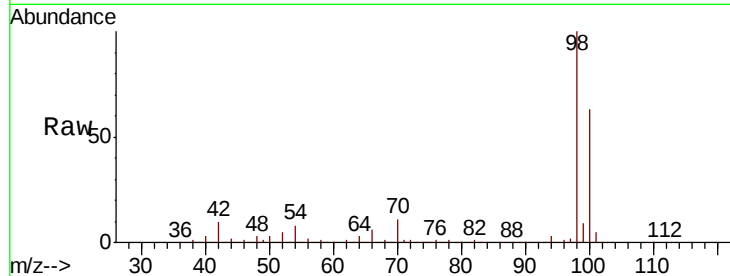
TRIP-BLANK

Tot Ion: 98 Resp: 534004

Ion Ratio Lower Upper

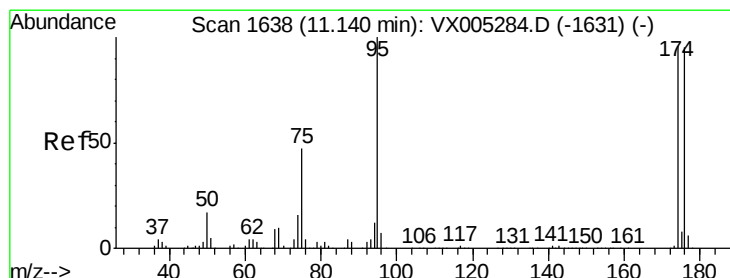
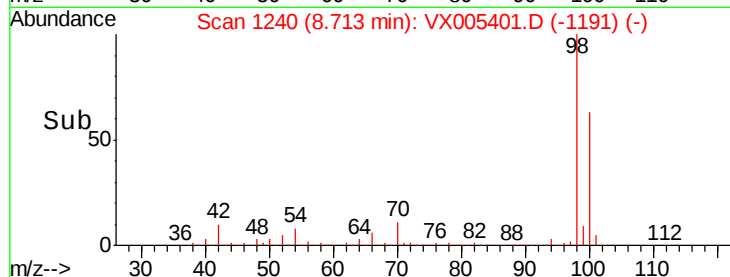
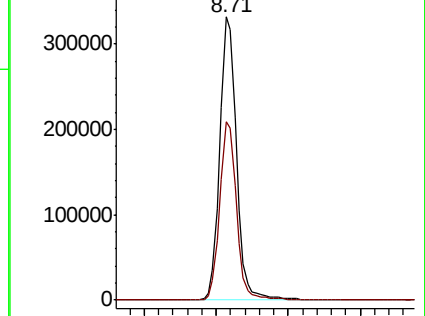
98 100

100 63.3 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: 45.827 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

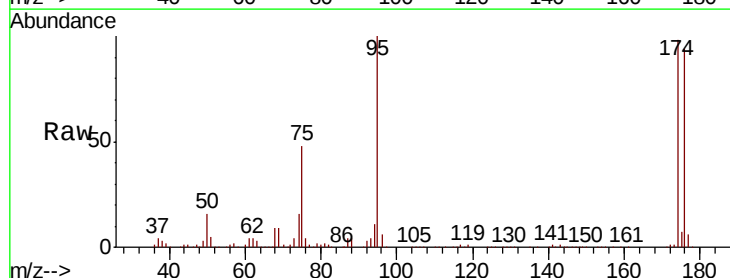
Tgt Ion: 95 Resp: 177625

Ion Ratio Lower Upper

95 100

174 94.9 0.0 185.2

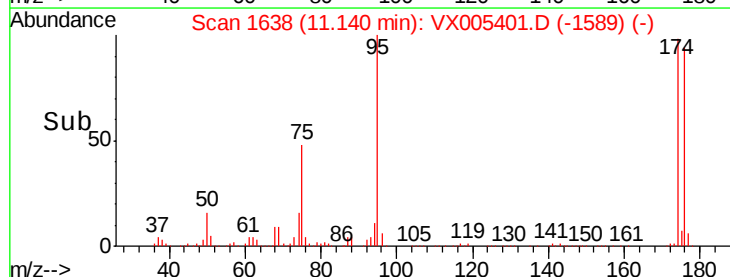
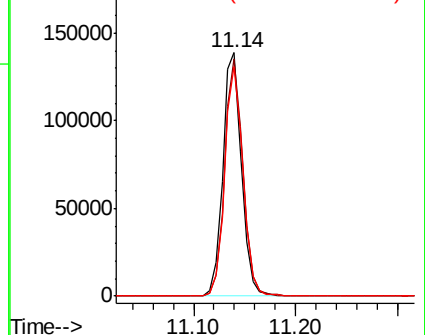
176 91.9 0.0 178.6

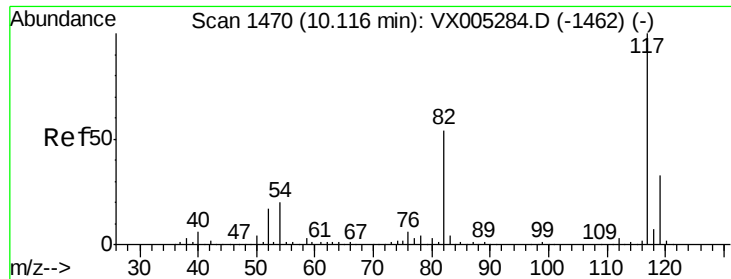


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

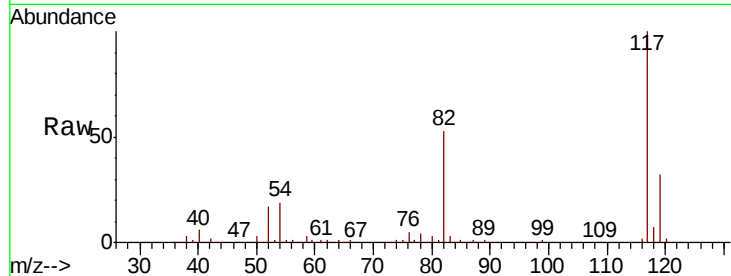




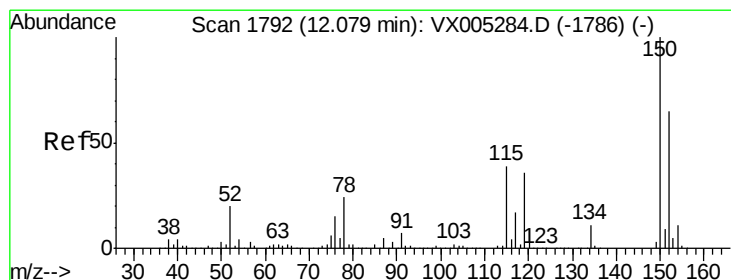
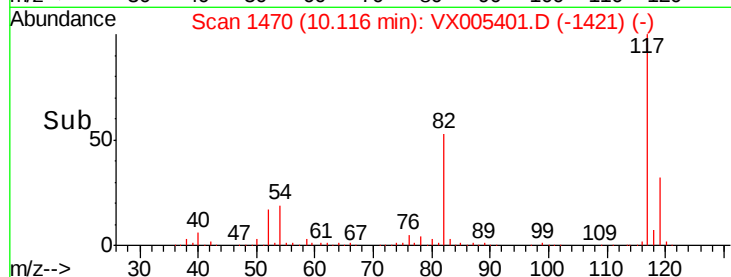
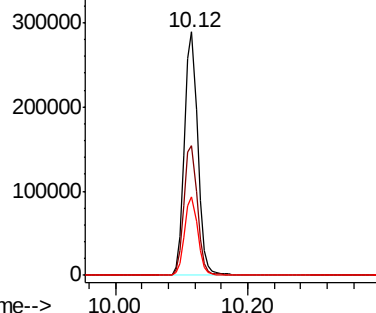
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005401.D
Acq: 17 Oct 2018 20:41

Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

Tot Ion:117 Resp: 399443
Ion Ratio Lower Upper
117 100
82 53.4 47.8 71.6
119 32.4 29.3 43.9

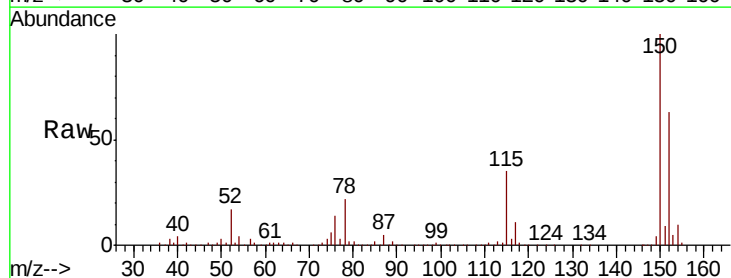


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

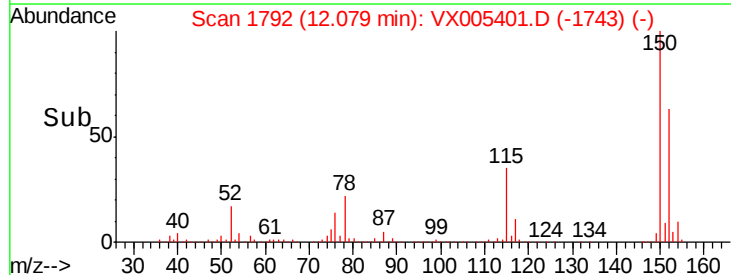
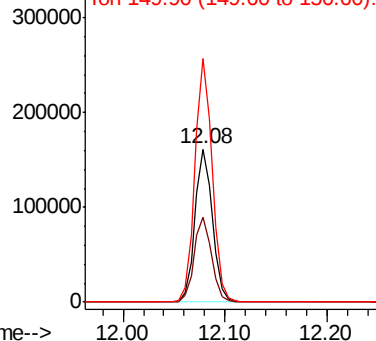


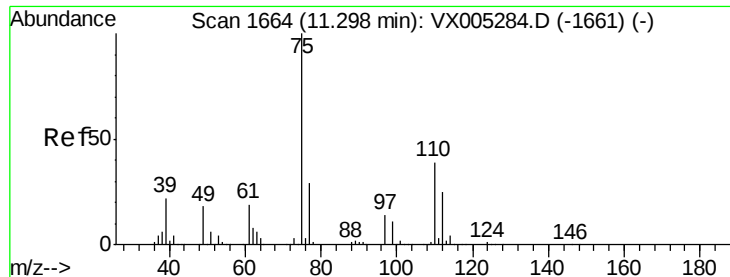
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005401.D
Acq: 17 Oct 2018 20:41

Tgt Ion:152 Resp: 191899
Ion Ratio Lower Upper
152 100
115 55.4 39.0 117.0
150 157.8 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: 22.835 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

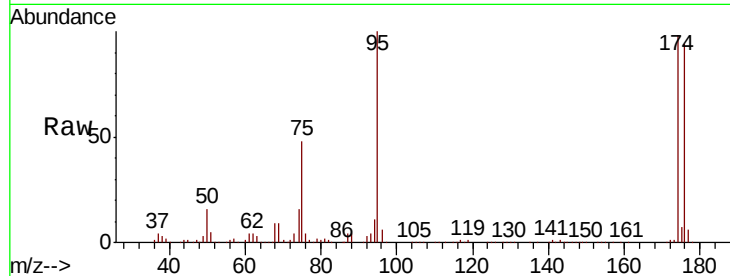
TRIP-BLANK

Tot Ion: 75 Resp: 84997

Ion Ratio Lower Upper

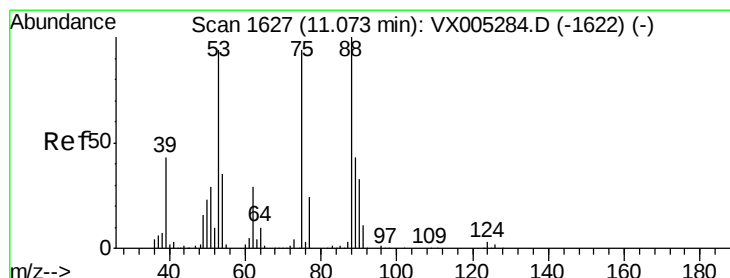
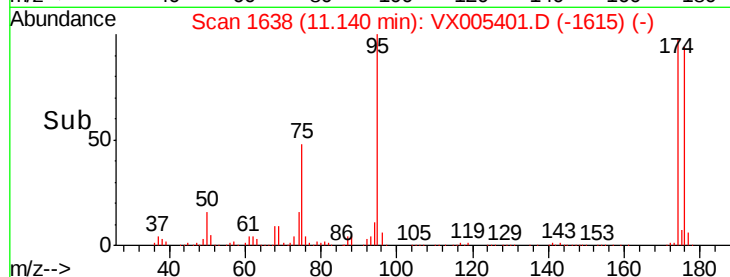
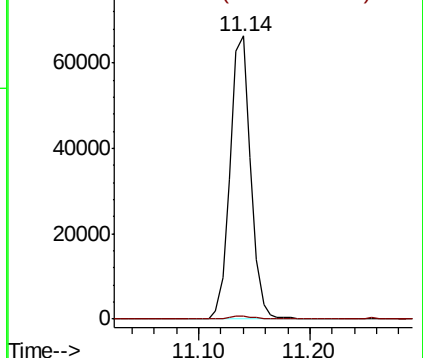
75 100

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: 69.382 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005401.D

Acq: 17 Oct 2018 20:41

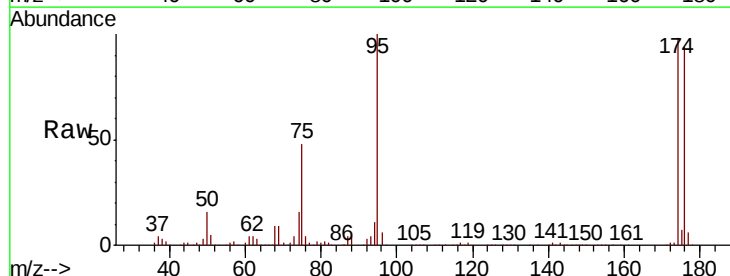
Tgt Ion: 75 Resp: 84997

Ion Ratio Lower Upper

75 100

53 0.1 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

