

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003877.D
 Acq On : 07 Aug 2018 13:26
 Operator : JC/MD
 Sample : J4337-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-WATERREF-4

Quant Time: Aug 08 01:19:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	491541	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	472989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230063	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	218448	51.96	ug/l	0.00
Spiked Amount						
			Recovery	=	103.92%	
35) Dibromofluoromethane	5.51	113	184960	49.67	ug/l	0.00
Spiked Amount						
			Recovery	=	99.34%	
50) Toluene-d8	8.72	98	704357	48.64	ug/l	0.00
Spiked Amount						
			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	11.14	95	248901	53.12	ug/l	0.00
Spiked Amount						
			Recovery	=	106.24%	

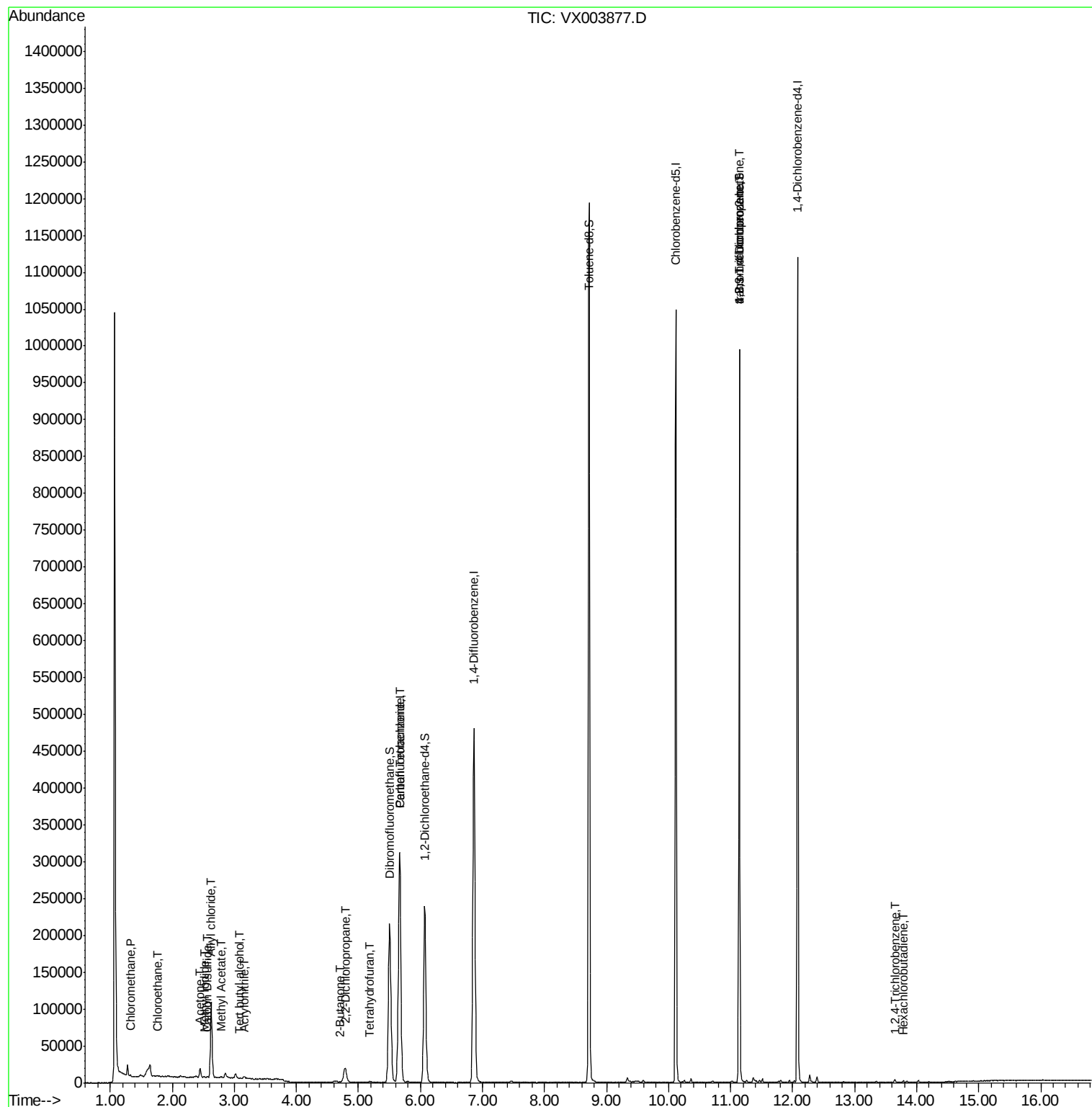
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1146	0.26	ug/l	98
5) Bromomethane	1.64	94	1045	Below Cal	#	80
6) Chloroethane	1.76	64	3969	1.42	ug/l	50
10) Methyl Iodide	2.51	142	1108	0.25	ug/l	89
11) Tert butyl alcohol	3.07	59	296	0.29	ug/l	90
13) Acrolein	2.29	56	393	Below Cal	#	53
14) Allyl chloride	2.63	41	9869	1.50	ug/l	62
15) Acrylonitrile	3.15	53	797	0.33	ug/l	68
16) Acetone	2.45	43	12830	5.13	ug/l	94
17) Carbon Disulfide	2.57	76	2332	0.68	ug/l	95
18) Methyl Acetate	2.78	43	1755	0.32	ug/l	96
20) Methylene Chloride	2.85	84	2966	Below Cal		96
25) 2-Butanone	4.71	43	1242	0.33	ug/l	91
26) 2,2-Dichloropropane	4.78	77	1783	0.35	ug/l	51
29) Tetrahydrofuran	5.18	42	984	0.51	ug/l	41
38) Carbon Tetrachloride	5.67	117	27773	5.30	ug/l	15
76) 1,2,3-Trichloropropane	11.14	75	117272	23.08	ug/l	36
81) trans-1,4-Dichloro-2-buten	11.14	75	117272	62.21	ug/l	9
88) 1,4-Dichlorobenzene	12.03	146	1233	Below Cal		96
93) 1,2,4-Trichlorobenzene	13.65	180	1319	0.22	ug/l	95
94) Hexachlorobutadiene	13.79	225	602	0.66	ug/l	93

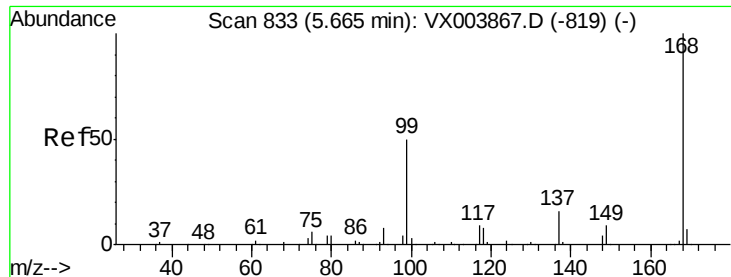
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080718\
Data File : VX003877.D
Acq On : 07 Aug 2018 13:26
Operator : JC/MD
Sample : J4337-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

Quant Time: Aug 08 01:19:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

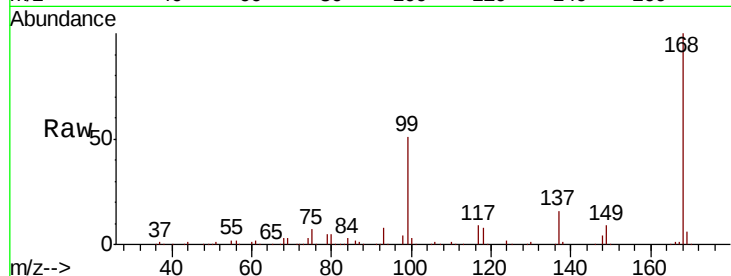
STORAGEBLANK-WATERREF-4

Tot Ion:168 Resp: 317162

Ion Ratio Lower Upper

168 100

99 50.8 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

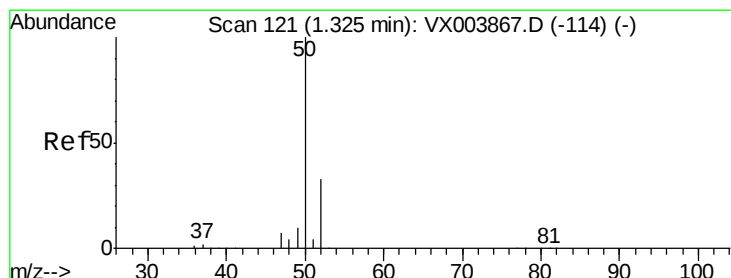
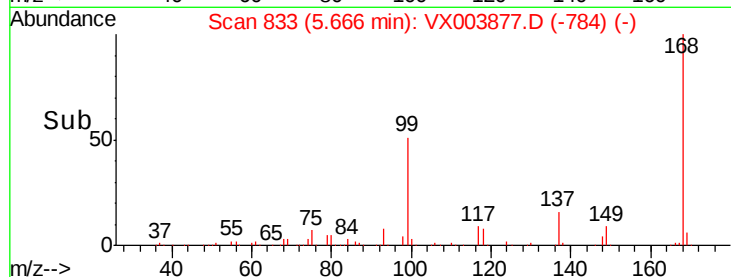
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003877.D

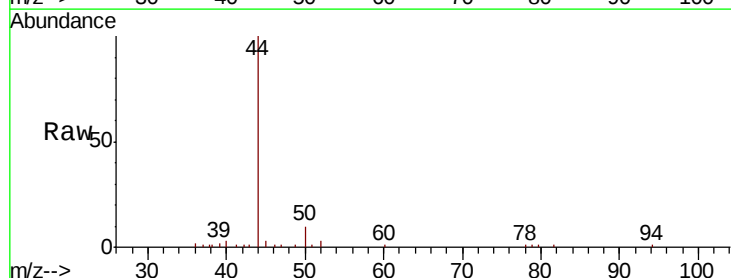
Acq: 07 Aug 2018 13:26

Tgt Ion: 50 Resp: 1146

Ion Ratio Lower Upper

50 100

52 32.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

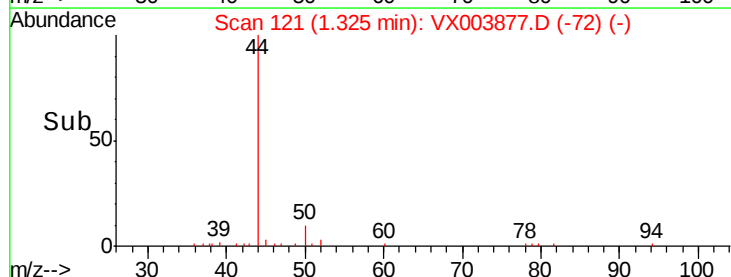
400

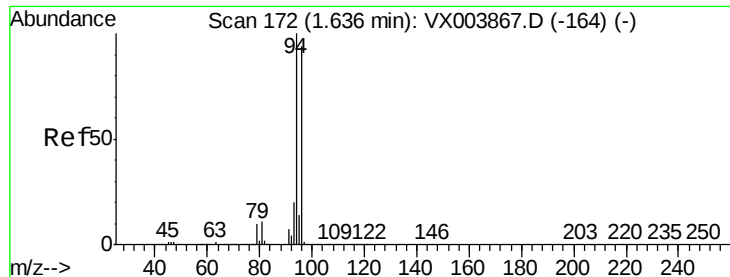
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

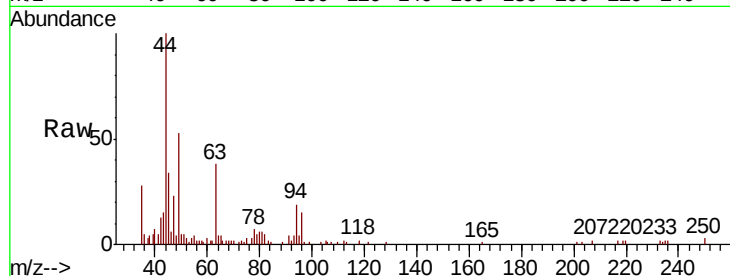
STORAGEBLANK-WATERREF-4

Tot Ion: 94 Resp: 1045

Ion Ratio Lower Upper

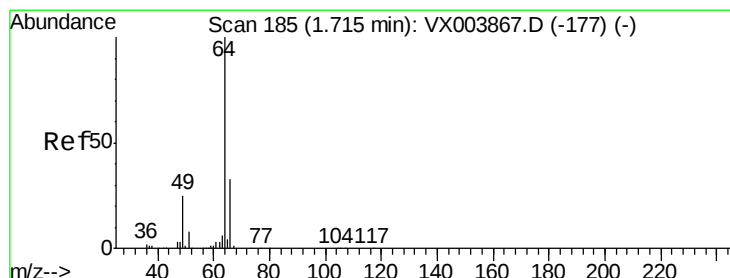
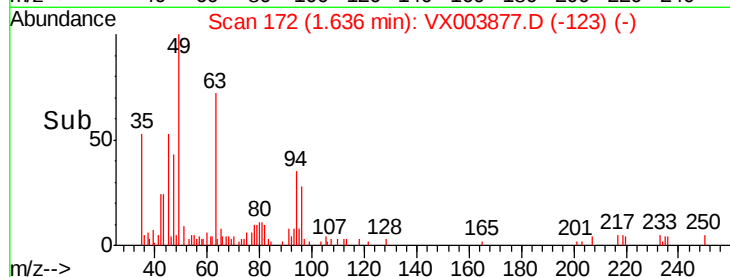
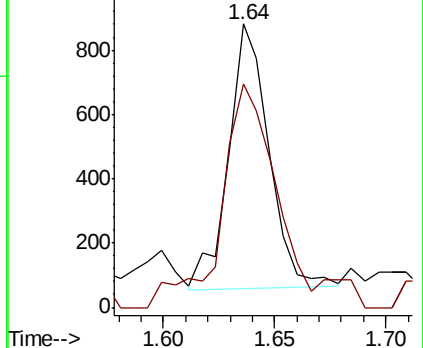
94 100

96 74.8 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.42 ug/l

RT: 1.76 min Scan# 192

Delta R.T. 0.04 min

Lab File: VX003877.D

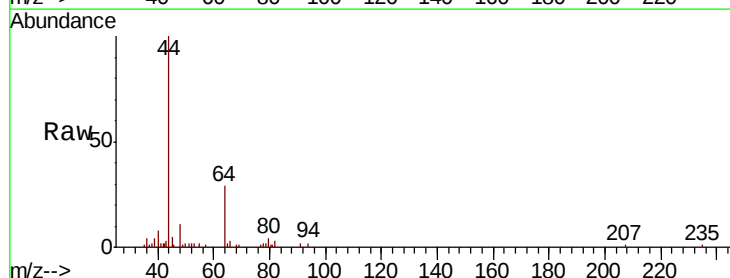
Acq: 07 Aug 2018 13:26

Tgt Ion: 64 Resp: 3969

Ion Ratio Lower Upper

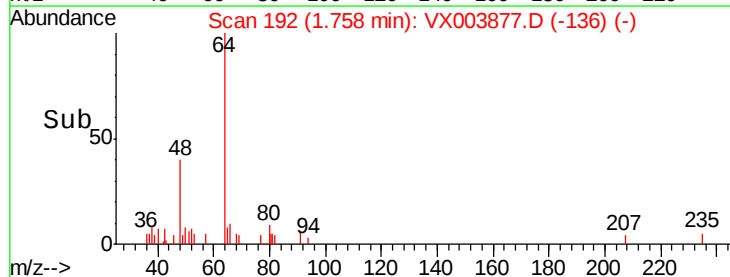
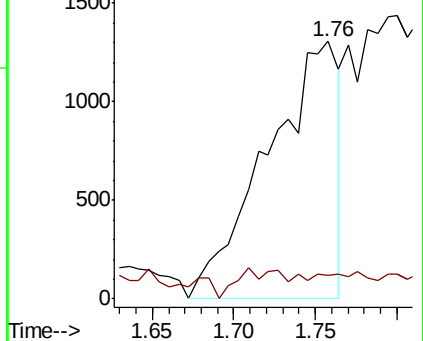
64 100

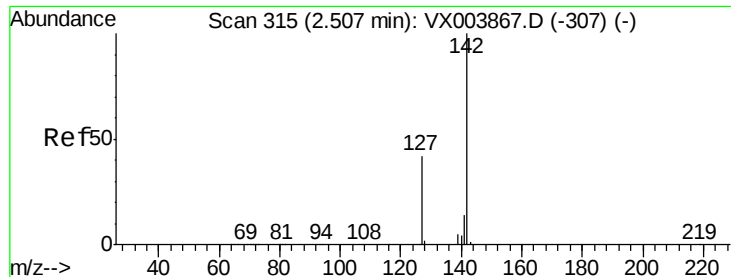
66 4.5 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

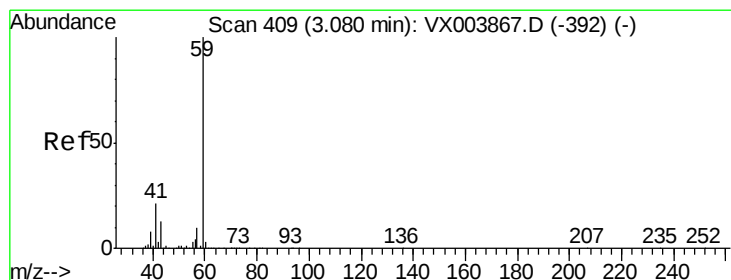
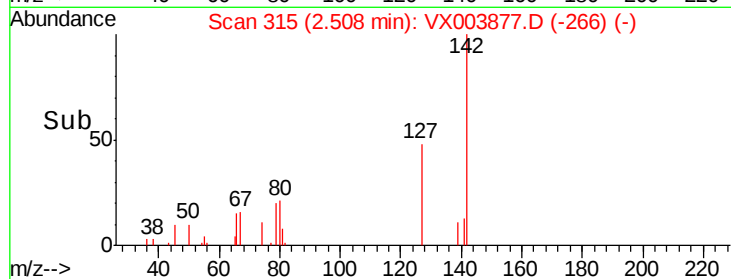
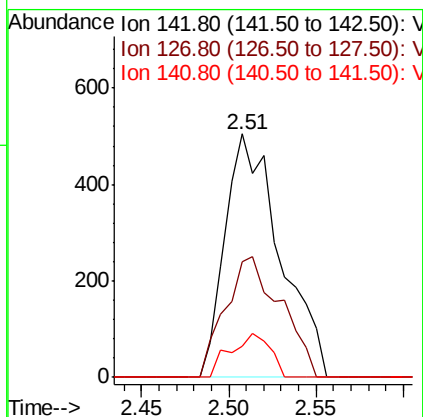
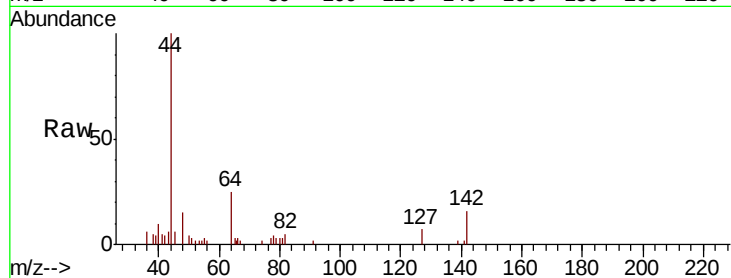




#10
Methyl Iodide
Concen: 0.25 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003877.D
Acq: 07 Aug 2018 13:26

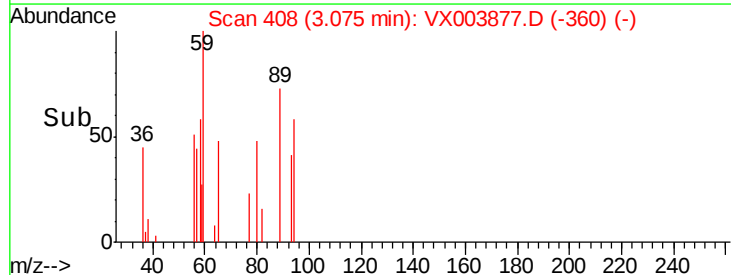
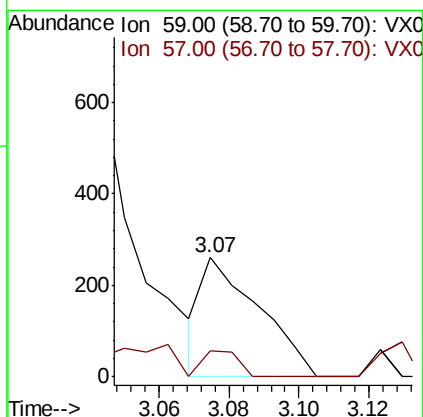
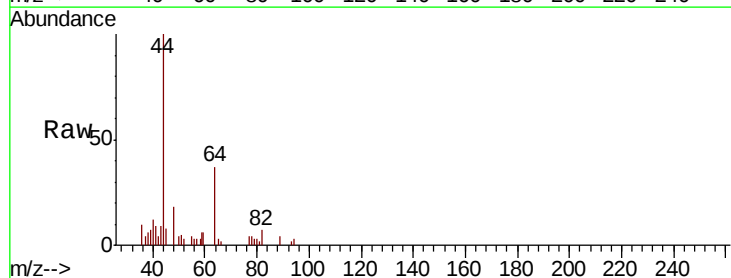
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

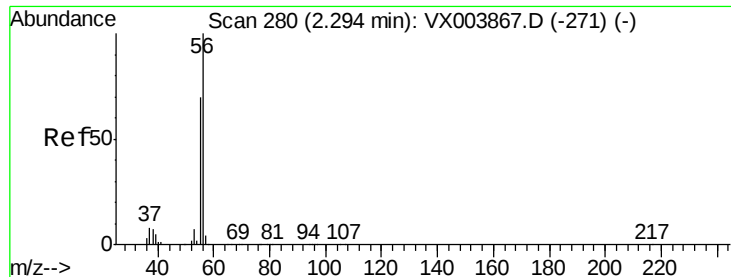
Tot Ion:142 Resp: 1108
Ion Ratio Lower Upper
142 100
127 49.8 33.1 49.7#
141 12.8 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003877.D
Acq: 07 Aug 2018 13:26

Tgt Ion: 59 Resp: 296
Ion Ratio Lower Upper
59 100
57 13.9 8.1 12.1#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

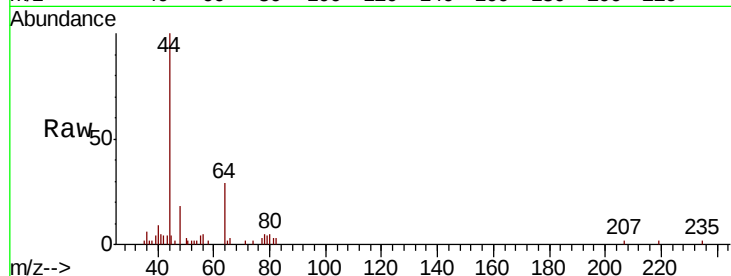
STORAGEBLANK-WATERREF-4

Tot Ion: 56 Resp: 393

Ion Ratio Lower Upper

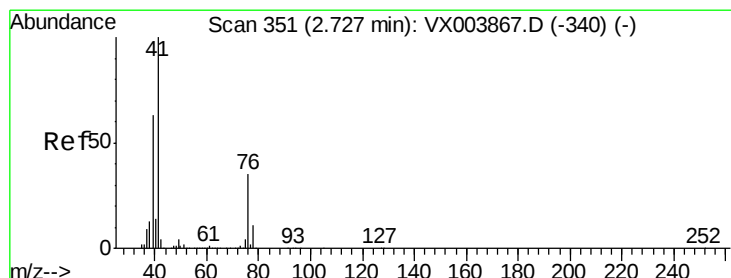
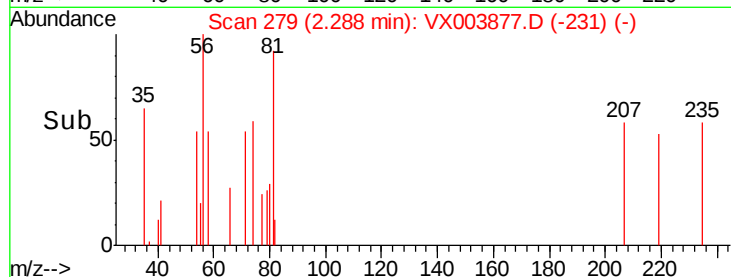
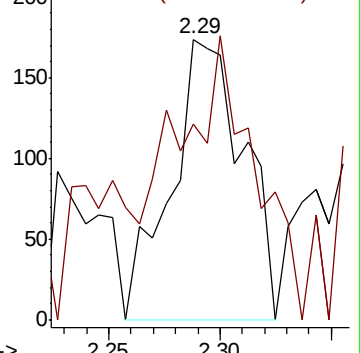
56 100

55 108.9 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.50 ug/l

RT: 2.63 min Scan# 335

Delta R.T. -0.10 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

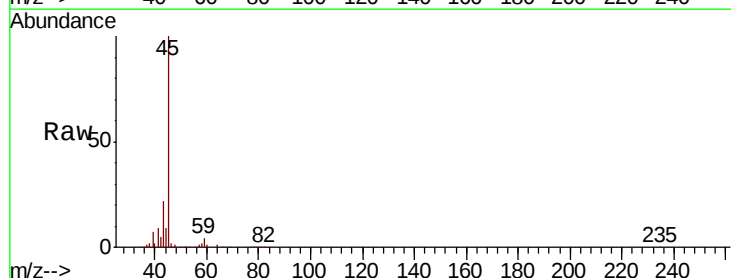
Tgt Ion: 41 Resp: 9869

Ion Ratio Lower Upper

41 100

39 79.8 47.4 71.0#

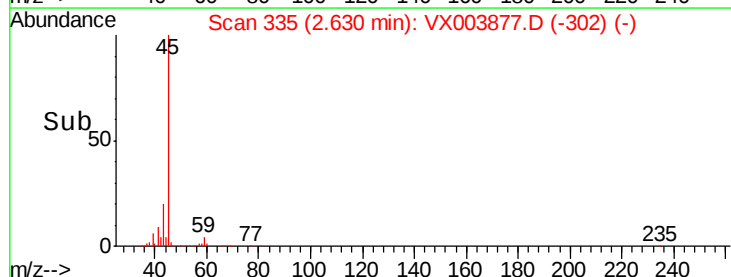
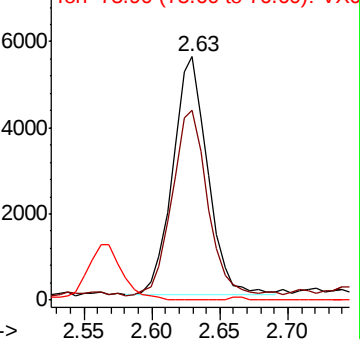
76 0.0 26.0 39.0#

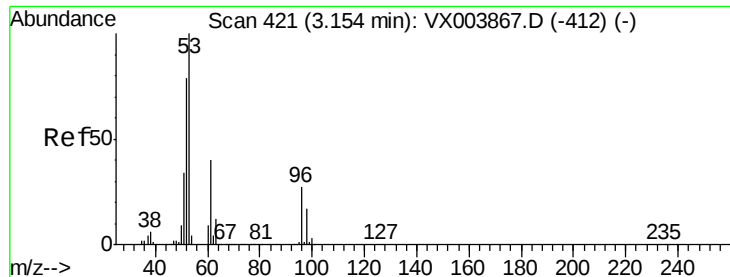


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

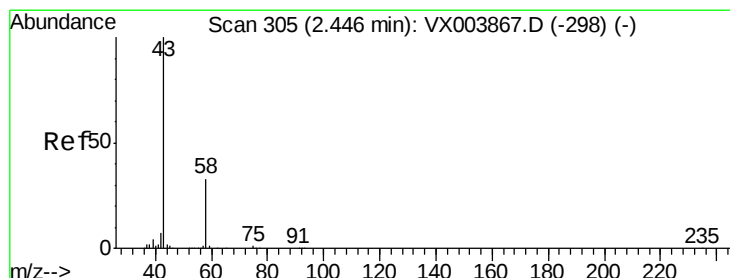
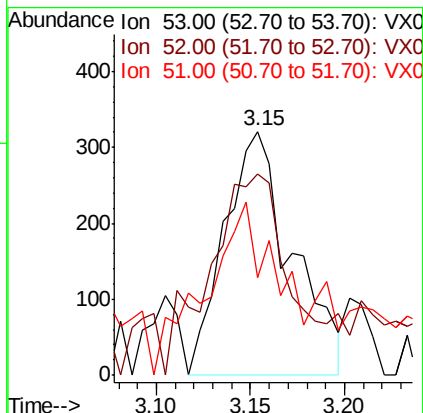
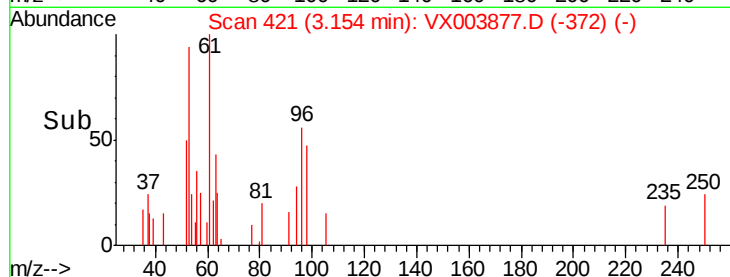
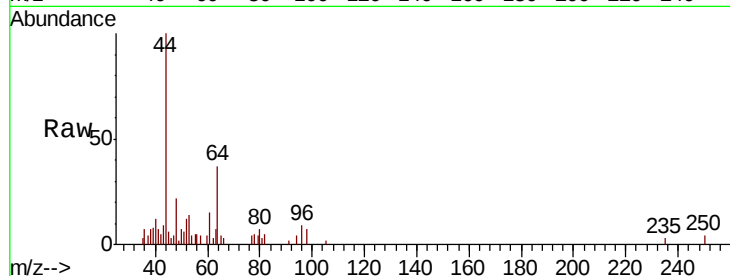
Tot Ion: 53 Resp: 797

Ion Ratio Lower Upper

53 100

52 96.2 65.3 97.9

51 75.2 27.9 41.9#



#16

Acetone

Concen: 5.13 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003877.D

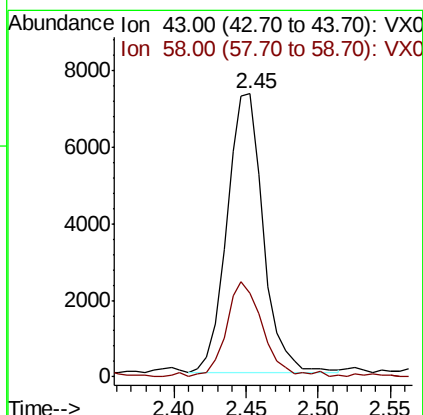
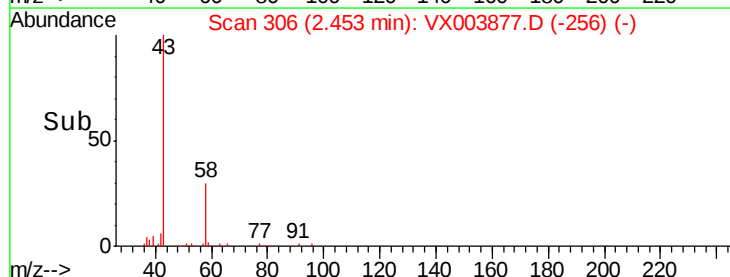
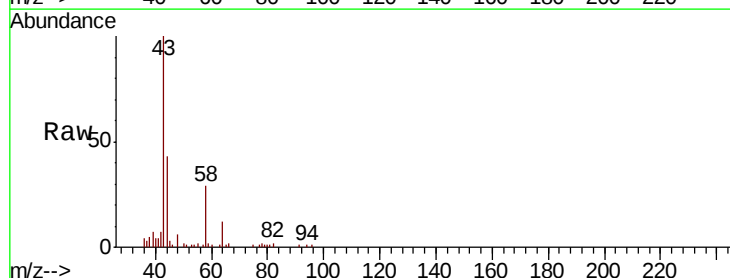
Acq: 07 Aug 2018 13:26

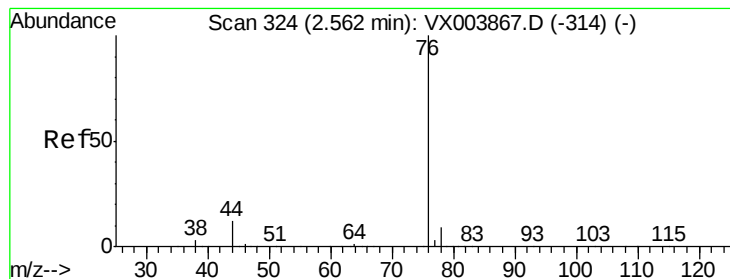
Tgt Ion: 43 Resp: 12830

Ion Ratio Lower Upper

43 100

58 29.8 26.4 39.6





#17

Carbon Disulfide

Concen: 0.68 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

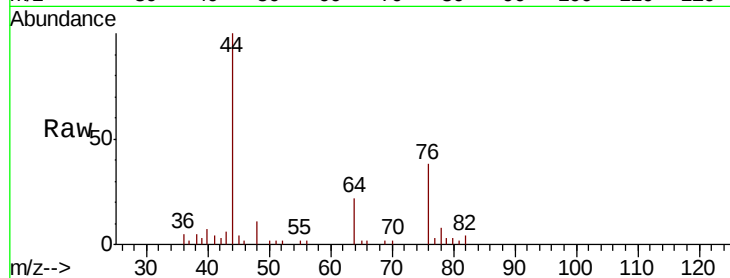
STORAGEBLANK-WATERREF-4

Tot Ion: 76 Resp: 2332

Ion Ratio Lower Upper

76 100

78 11.3 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1500

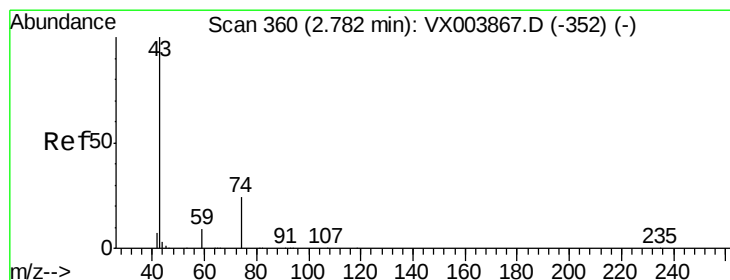
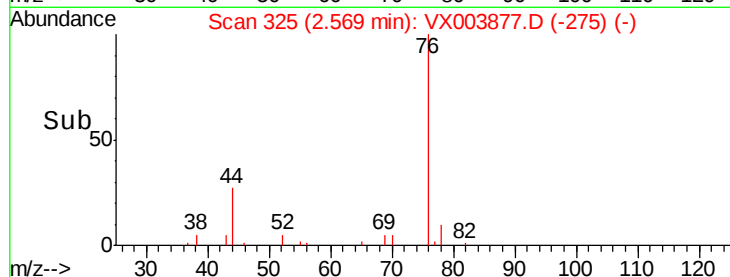
2.57

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.32 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003877.D

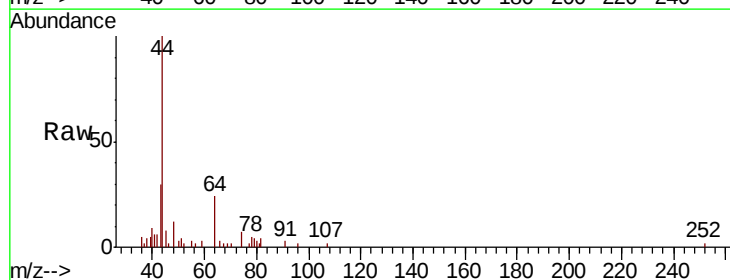
Acq: 07 Aug 2018 13:26

Tgt Ion: 43 Resp: 1755

Ion Ratio Lower Upper

43 100

74 25.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

1200

1000

800

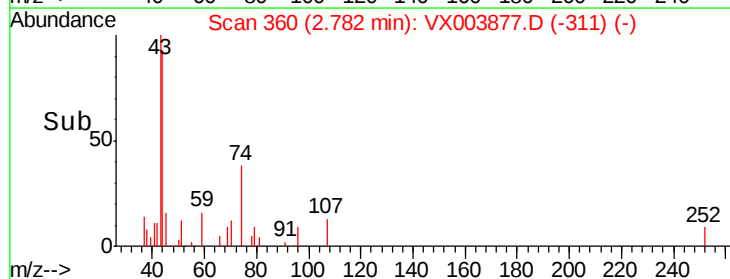
600

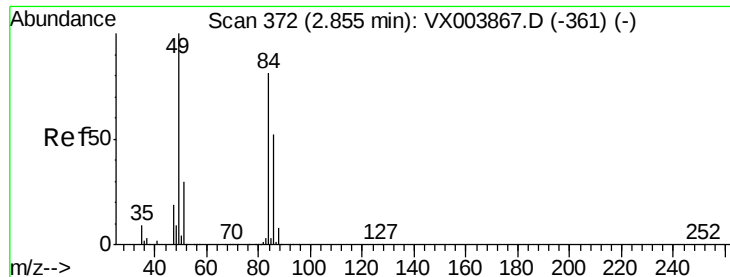
400

200

0

Time-->



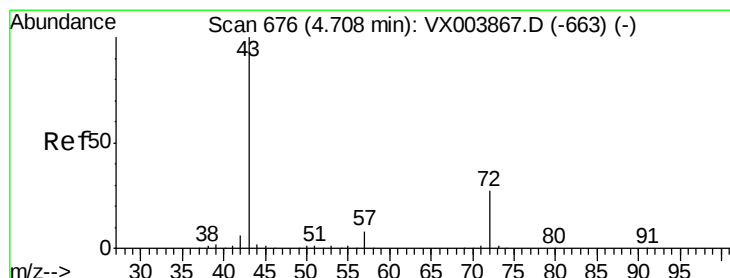
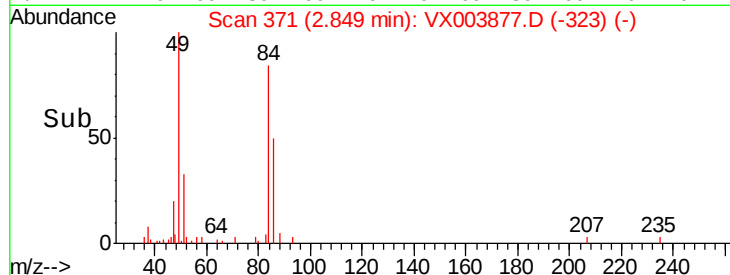
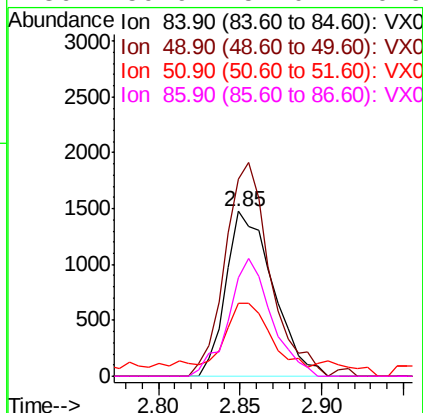
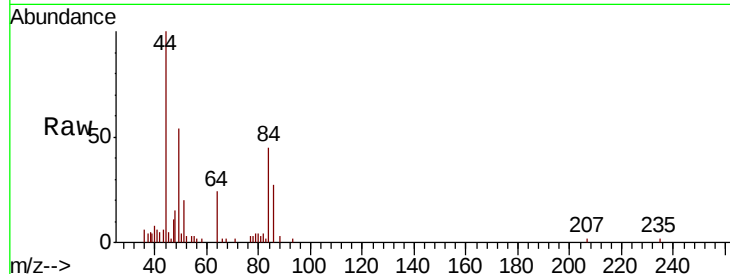


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.85 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VX003877.D
 Acq: 07 Aug 2018 13:26

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

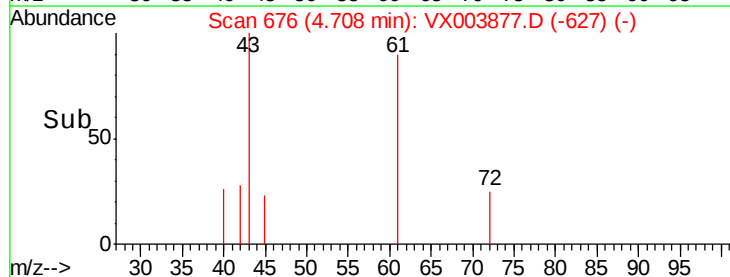
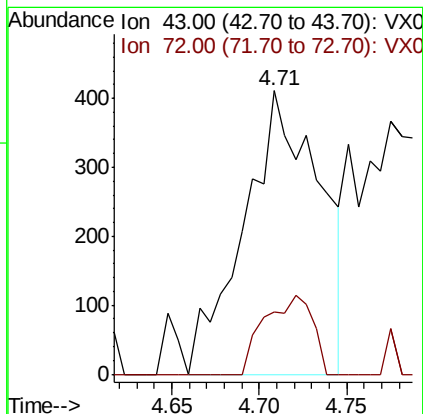
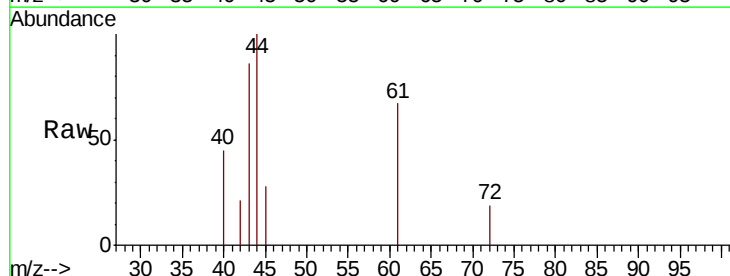
Tot Ion:	84	Resp:	2966
Ion	Ratio	Lower	Upper
84	100		
49	119.1	98.9	148.3
51	37.5	29.9	44.9
86	59.9	51.0	76.6

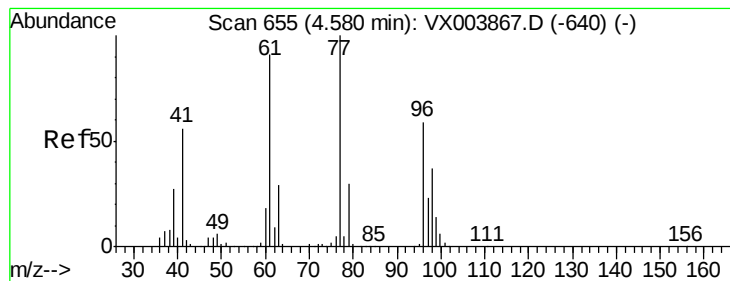


#25

2-Butanone
 Concen: 0.33 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VX003877.D
 Acq: 07 Aug 2018 13:26

Tgt Ion:	43	Resp:	1242
Ion	Ratio	Lower	Upper
43	100		
72	21.9	21.4	32.0





#26

2,2-Dichloropropane

Concen: 0.35 ug/l

RT: 4.78 min Scan# 688

Delta R.T. 0.20 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

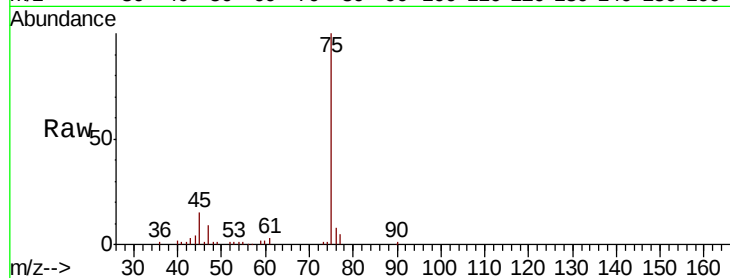
STORAGEBLANK-WATERREF-4

Tot Ion: 77 Resp: 1783

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.9#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.78

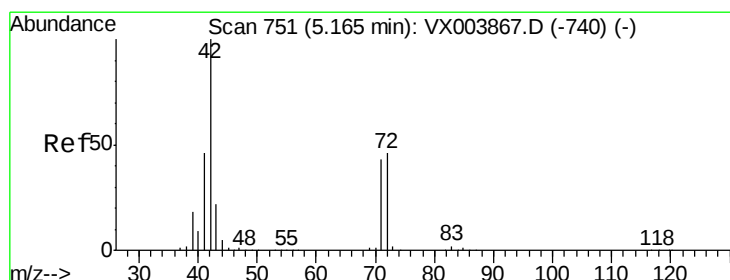
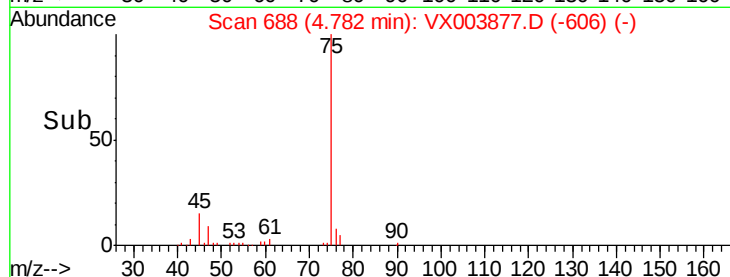
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

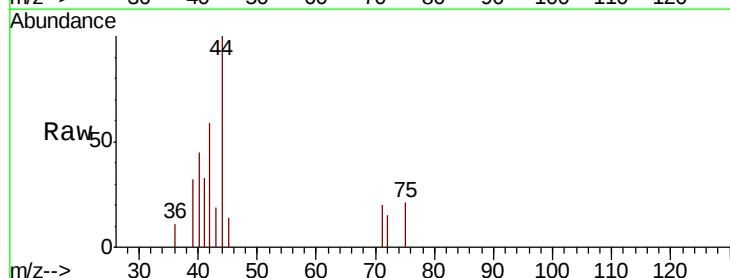
Tgt Ion: 42 Resp: 984

Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

71 14.2 35.0 52.6#



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

5.18

400

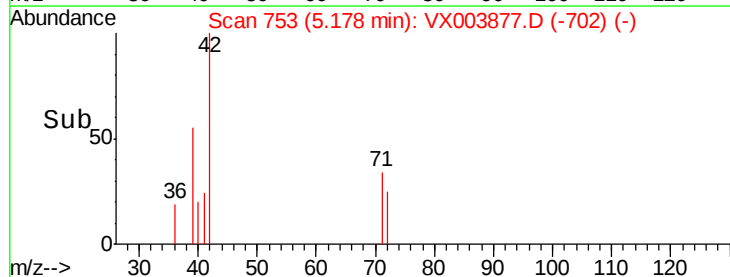
300

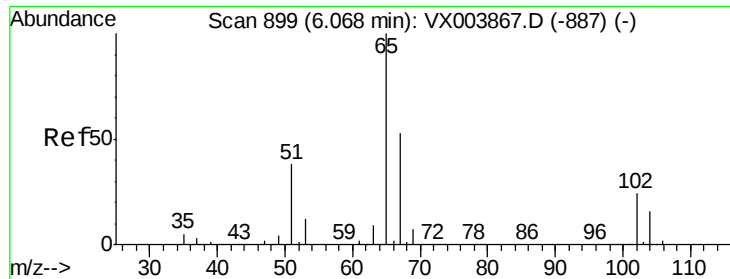
200

100

0

Time-->

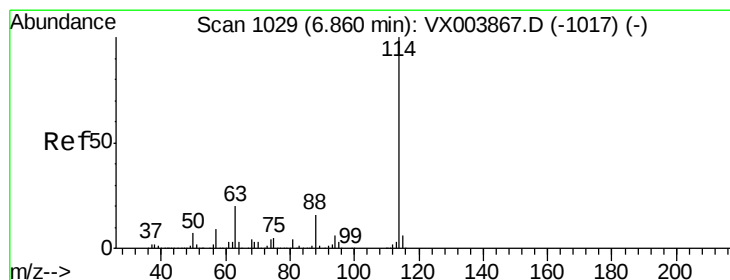
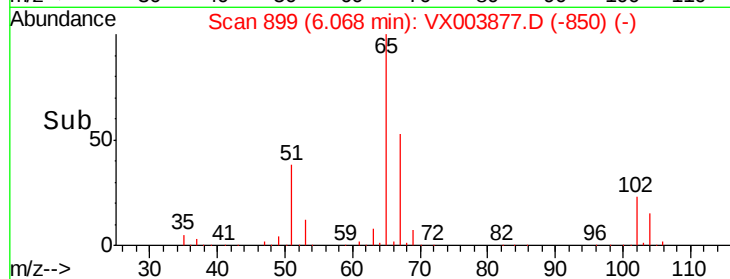
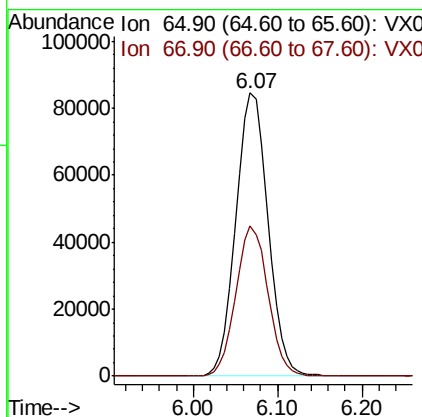
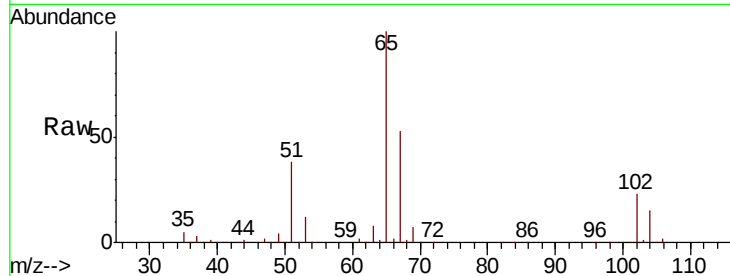




#33
 1,2-Dichloroethane-d4
 Concen: 51.96 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003877.D
 Acq: 07 Aug 2018 13:26

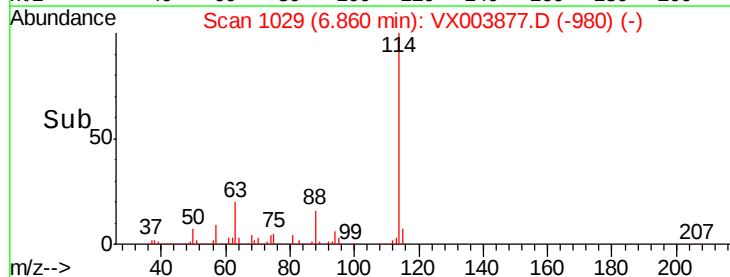
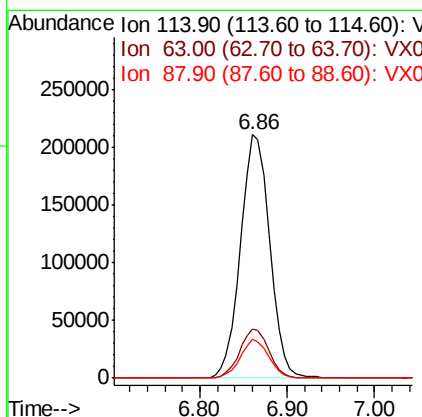
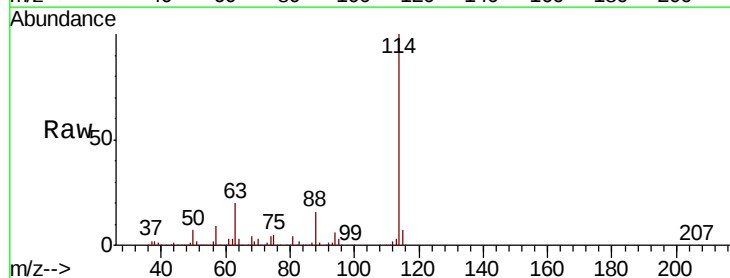
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

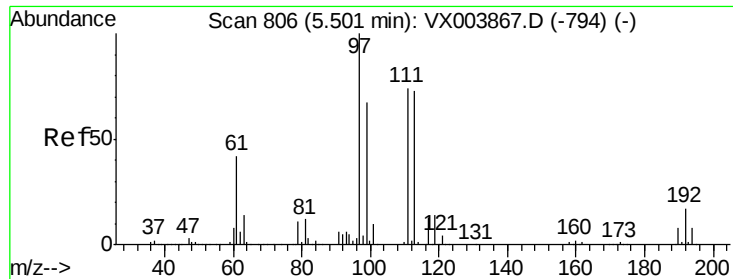
Tot Ion: 65 Resp: 218448
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003877.D
 Acq: 07 Aug 2018 13:26

Tgt Ion: 114 Resp: 491541
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 15.8 0.0 32.0

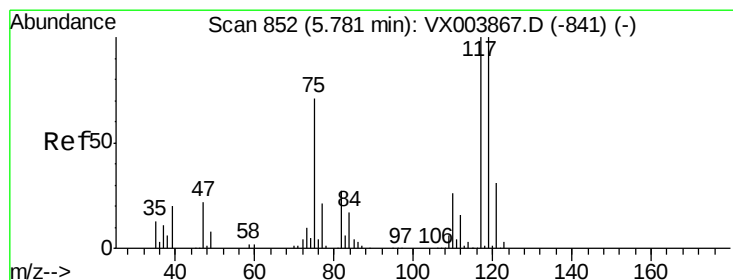
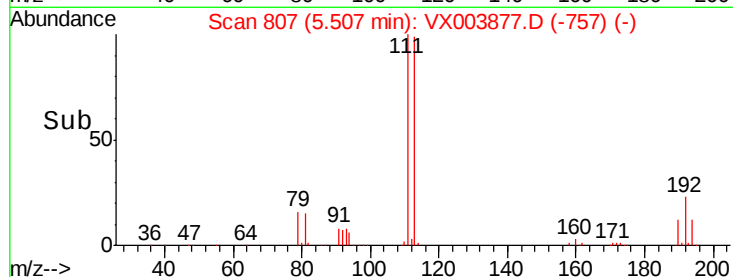
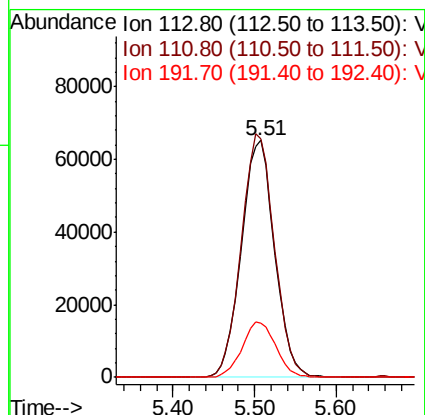
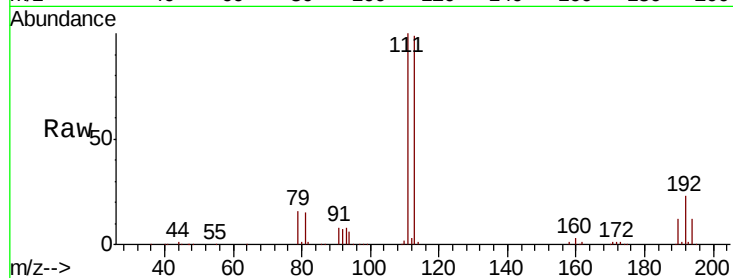




#35
 Dibromofluoromethane
 Concen: 49.67 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003877.D
 Acq: 07 Aug 2018 13:26

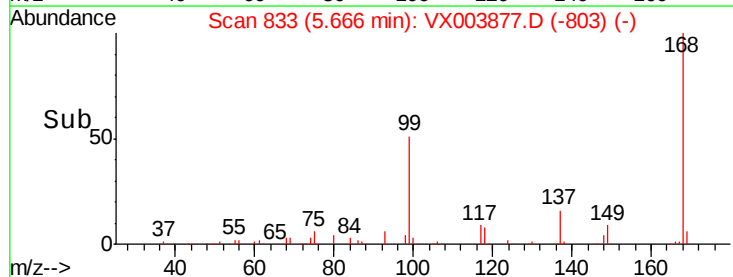
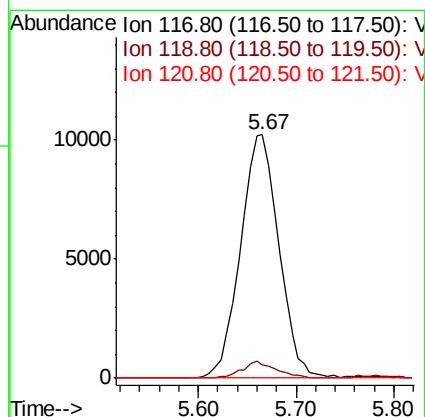
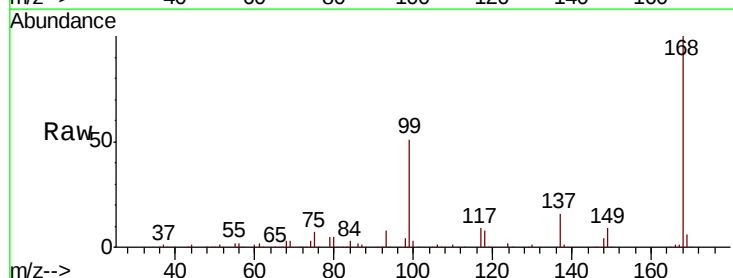
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

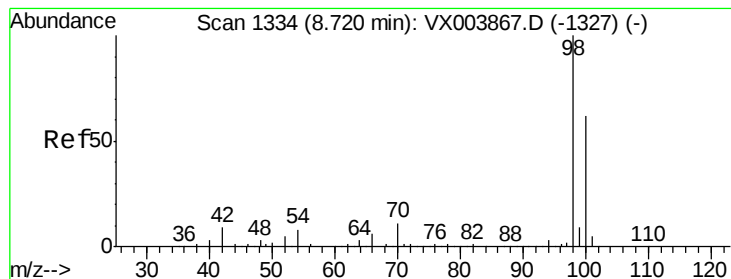
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	23.8	19.0	28.4



#38
 Carbon Tetrachloride
 Concen: 5.30 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003877.D
 Acq: 07 Aug 2018 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	79.5	119.3#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 48.64 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

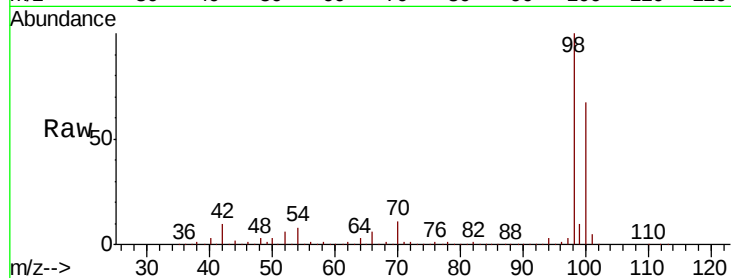
STORAGEBLANK-WATERREF-4

Tot Ion: 98 Resp: 704357

Ion Ratio Lower Upper

98 100

100 66.1 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

400000

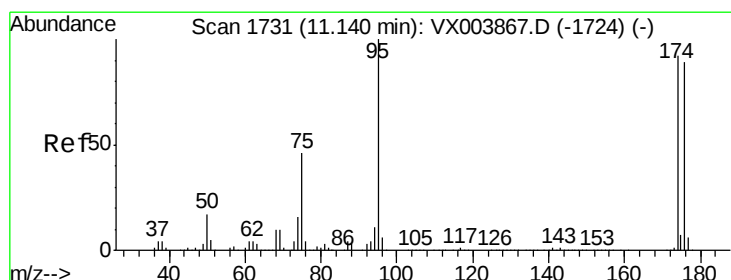
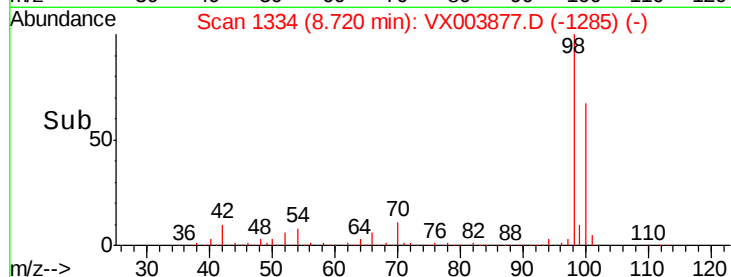
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

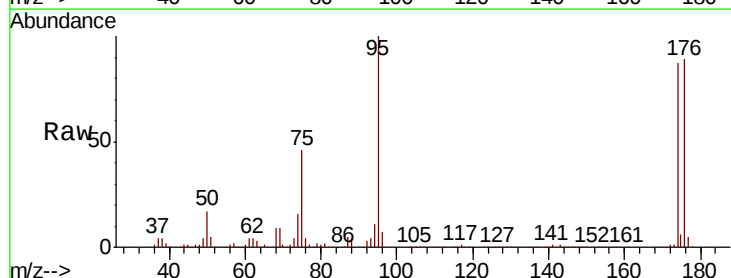
Tgt Ion: 95 Resp: 248901

Ion Ratio Lower Upper

95 100

174 89.7 0.0 182.8

176 87.8 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

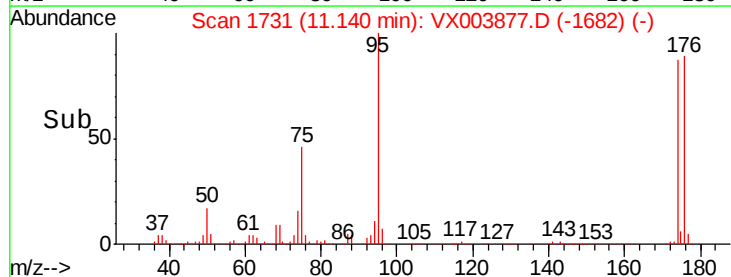
150000

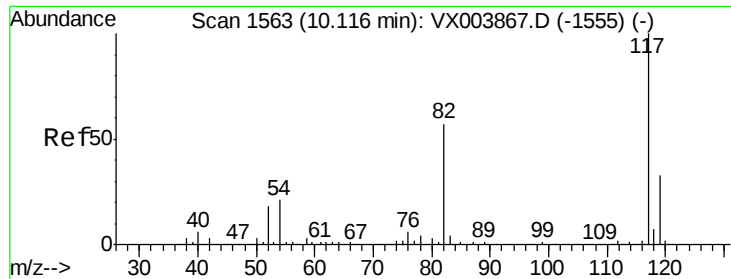
100000

50000

0

Time-->

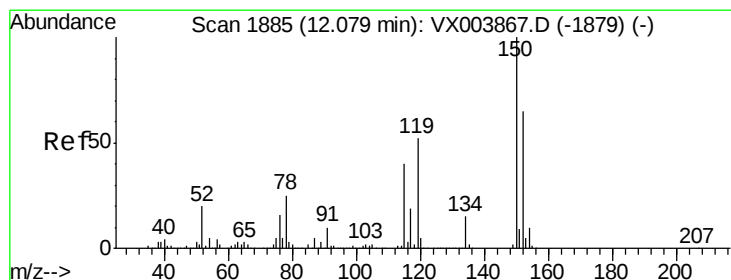
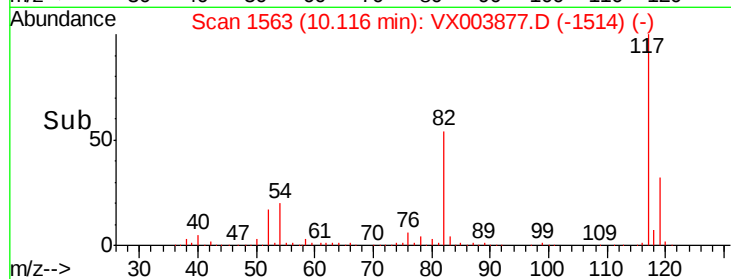
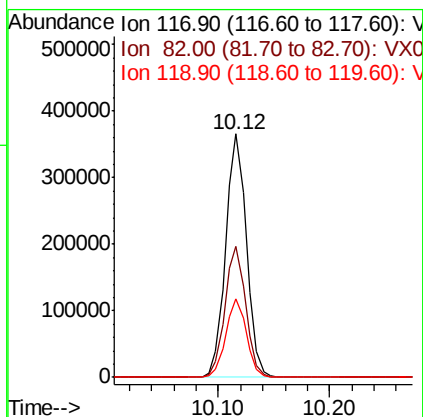
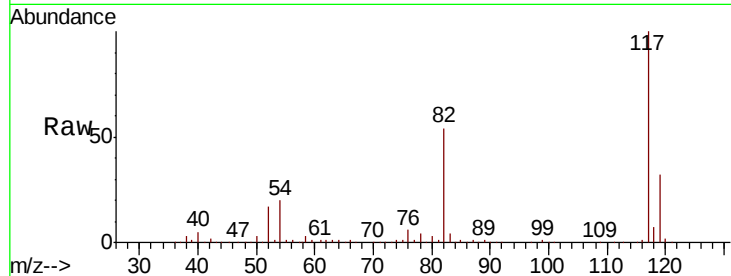




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003877.D
Acq: 07 Aug 2018 13:26

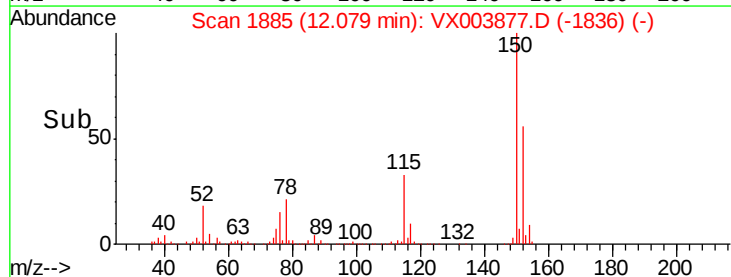
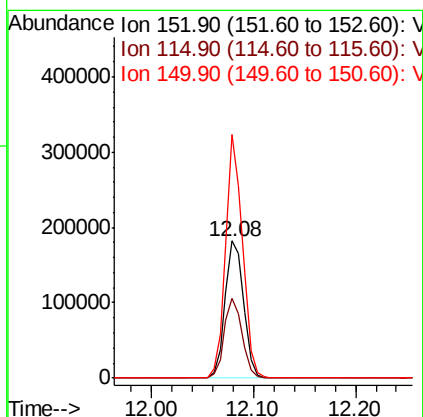
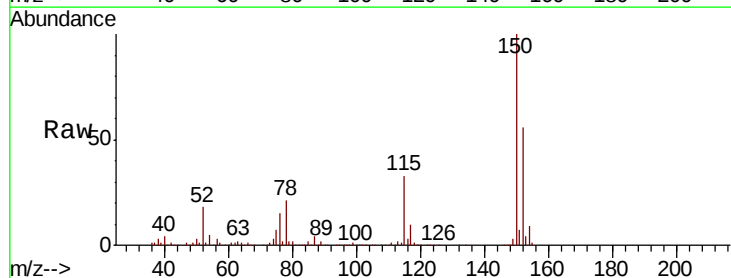
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

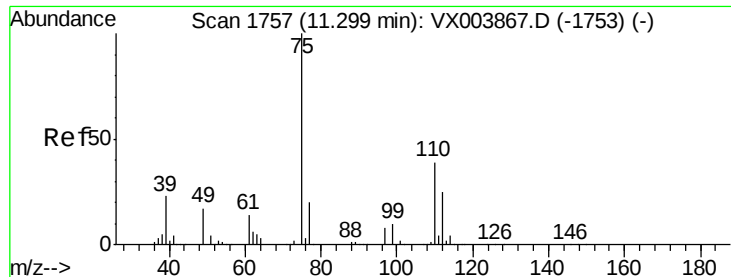
Tot Ion:117 Resp: 472989
Ion Ratio Lower Upper
117 100
82 53.7 45.4 68.0
119 32.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003877.D
Acq: 07 Aug 2018 13:26

Tgt Ion:152 Resp: 230063
Ion Ratio Lower Upper
152 100
115 56.2 39.1 117.3
150 161.1 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 23.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

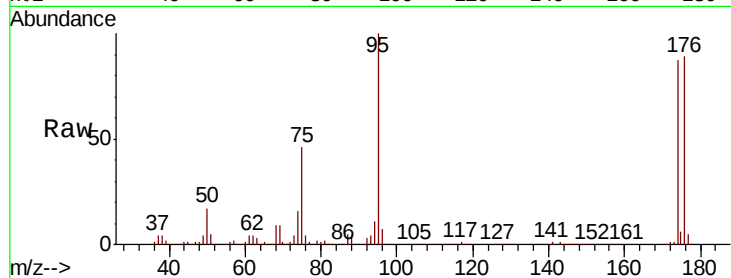
STORAGEBLANK-WATERREF-4

Tot Ion: 75 Resp: 117272

Ion Ratio Lower Upper

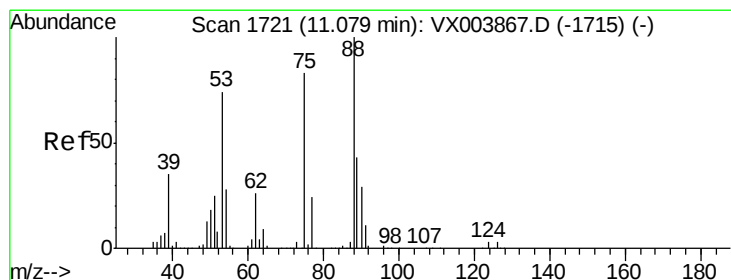
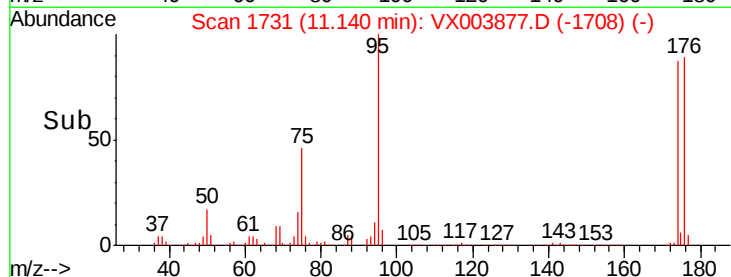
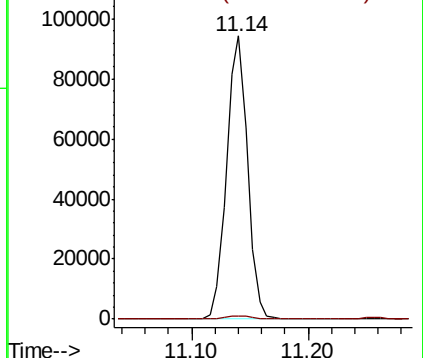
75 100

77 1.4 20.8 62.5#



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: 62.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003877.D

Acq: 07 Aug 2018 13:26

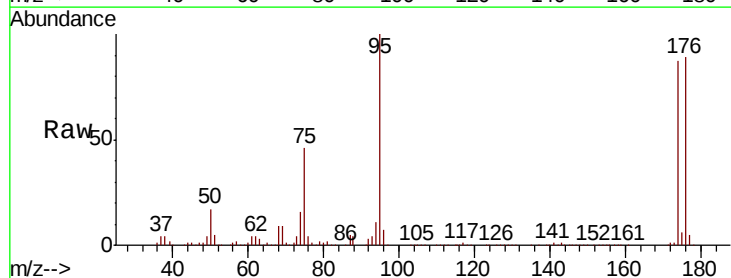
Tgt Ion: 75 Resp: 117272

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

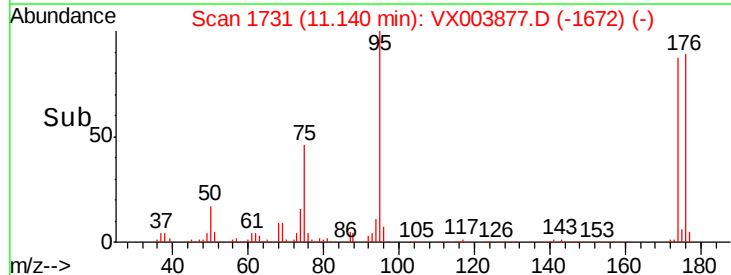
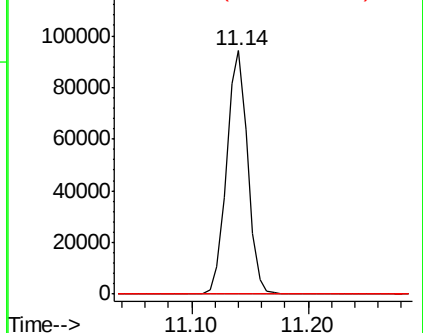
89 0.0 37.8 56.8#

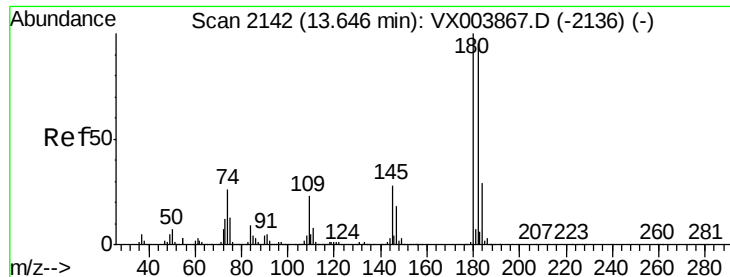


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

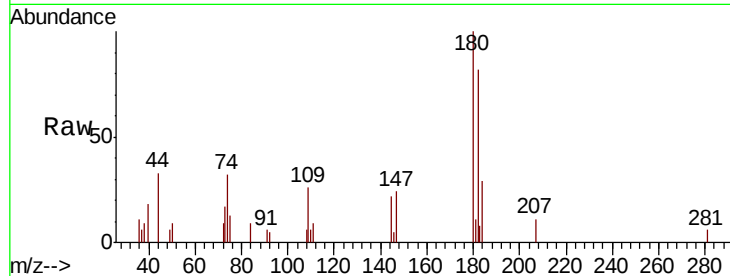




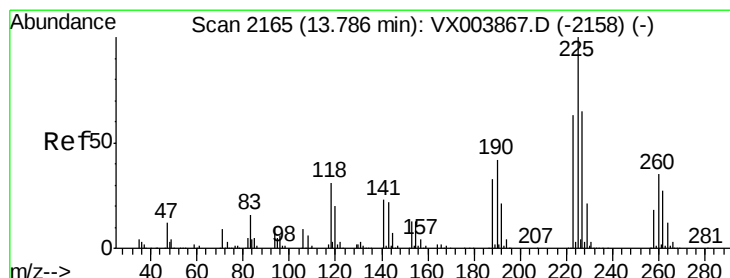
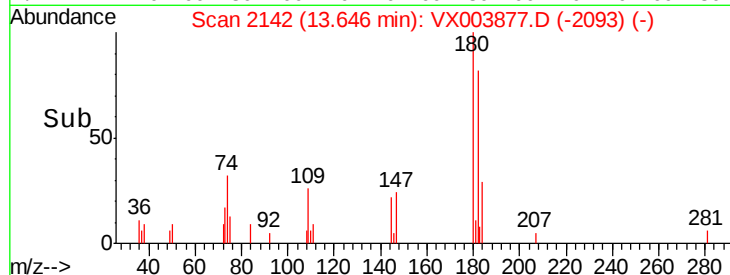
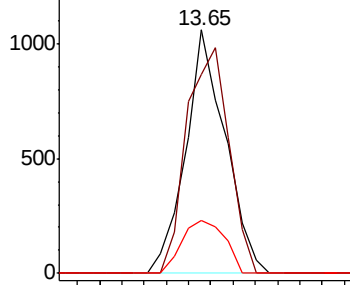
#93
 1,2,4-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003877.D
 Acq: 07 Aug 2018 13:26

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.7	143.1
145	23.4	13.9	41.6

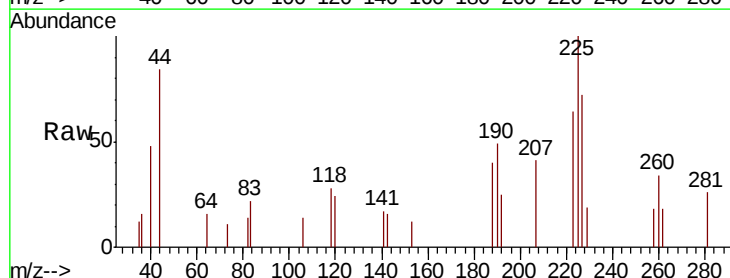


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 0.66 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003877.D
 Acq: 07 Aug 2018 13:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	72.9	31.4	94.0
227	64.8	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

