

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060818\
 Data File : VX002411.D
 Acq On : 08 Jun 2018 19:23
 Operator : JC/MD
 Sample : J3407-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Quant Time: Jun 09 01:51:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	200867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	291977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	262145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	136236	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	139356	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	5.51	113	105574	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	8.72	98	415638	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.14	95	138980	40.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.90%	

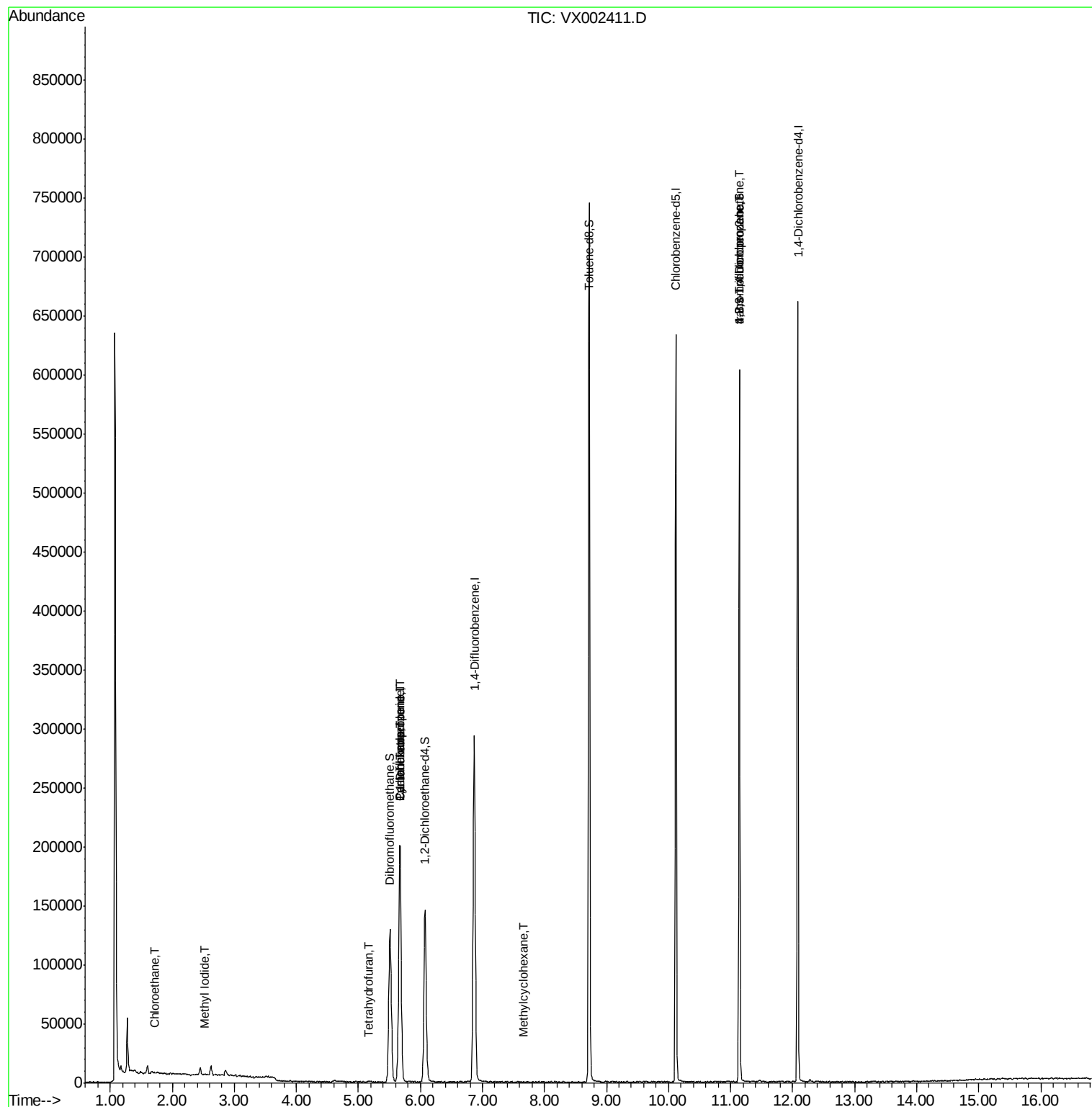
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	640	Below Cal		97
5) Bromomethane	1.66	94	1313	Below Cal	#	77
6) Chloroethane	1.73	64	440	0.26	ug/l	89
8) Diethyl Ether	2.02	74	19	Below Cal		55
10) Methyl Iodide	2.53	142	1266	0.42	ug/l	96
11) Tert butyl alcohol	3.07	59	97	Below Cal	#	1
13) Acrolein	2.31	56	80	Below Cal	#	1
15) Acrylonitrile	3.15	53	241	Below Cal	#	36
16) Acetone	2.45	43	7306	Below Cal		96
18) Methyl Acetate	2.78	43	557	Below Cal	#	80
19) Methyl tert-butyl Ether	3.21	73	83	Below Cal	#	1
20) Methylene Chloride	2.86	84	2457	Below Cal		92
22) Diisopropyl ether	3.87	45	166	Below Cal	#	45
28) Bromochloromethane	4.90	49	40	Below Cal	#	13
29) Tetrahydrofuran	5.16	42	289	0.23	ug/l	95
31) Cyclohexane	5.68	56	4249	1.17	ug/l	# 32
36) 1,1-Dichloropropene	5.67	75	14211	4.63	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	19169	5.97	ug/l	# 16
39) Methylcyclohexane	7.67	83	20	0.27	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	75861	25.38	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	75861	88.95	ug/l	# 6

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

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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

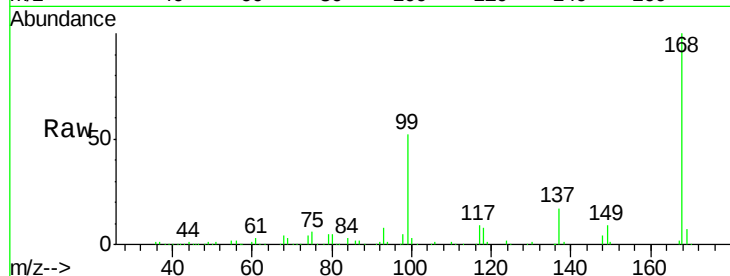
STORAGEBLANK-SAMPLEMANAG

Tot Ion:168 Resp: 200867

Ion Ratio Lower Upper

168 100

99 51.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

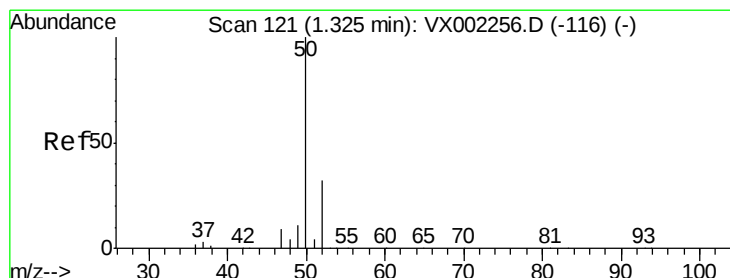
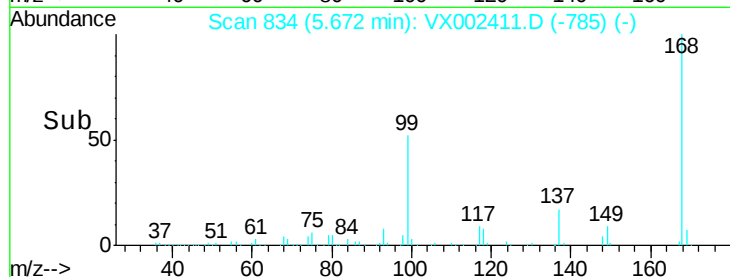
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002411.D

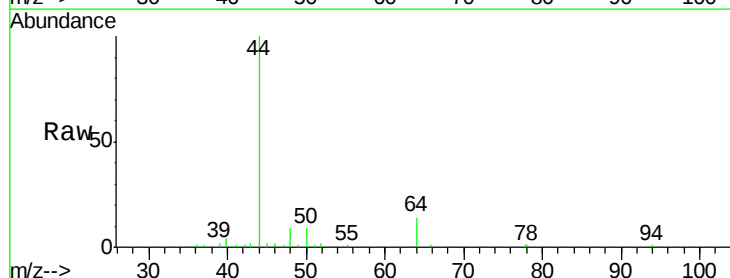
Acq: 08 Jun 2018 19:23

Tgt Ion: 50 Resp: 640

Ion Ratio Lower Upper

50 100

52 30.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

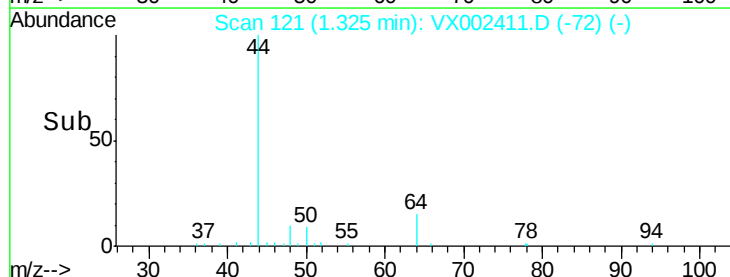
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

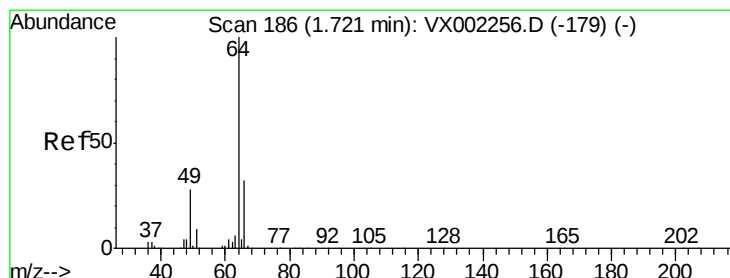
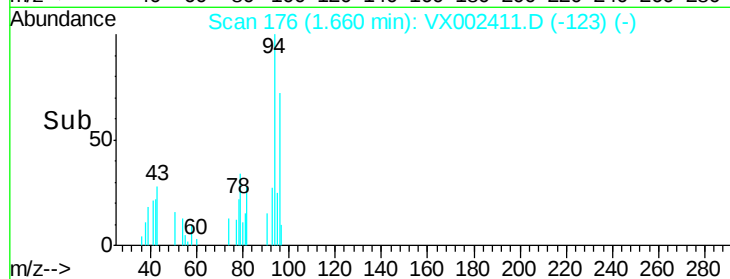
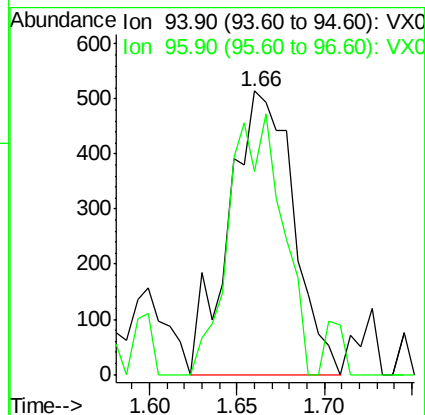
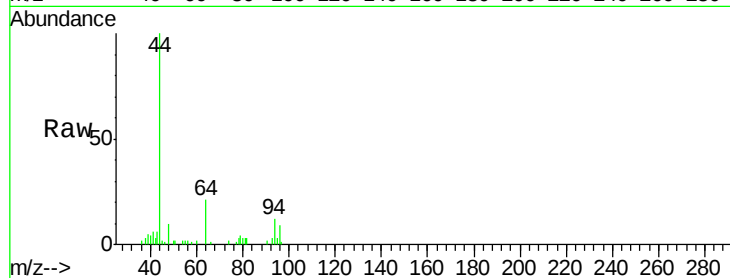
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 94 Resp: 1313

Ion Ratio Lower Upper

94 100

96 71.6 74.9 112.3#



#6

Chloroethane

Concen: 0.26 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002411.D

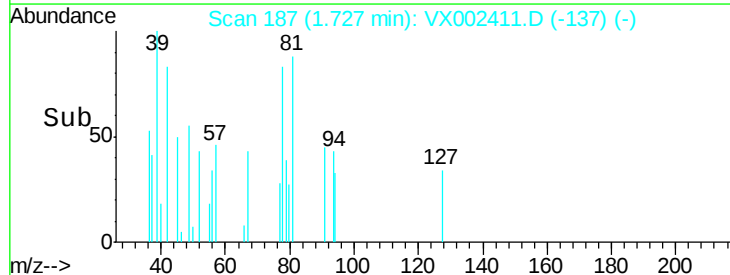
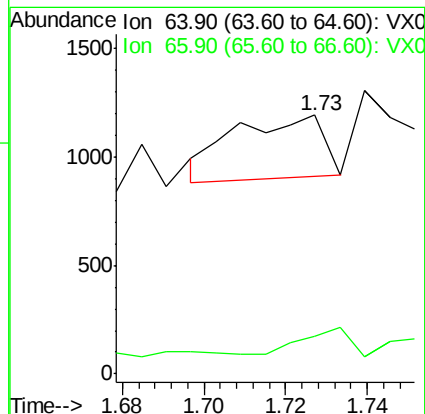
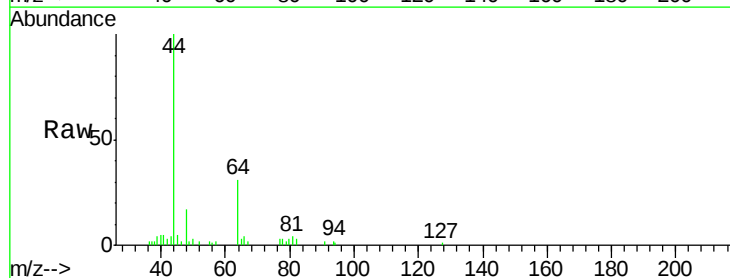
Acq: 08 Jun 2018 19:23

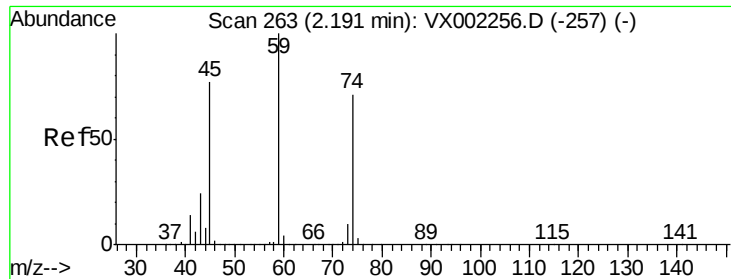
Tgt Ion: 64 Resp: 440

Ion Ratio Lower Upper

64 100

66 26.0 25.5 38.3

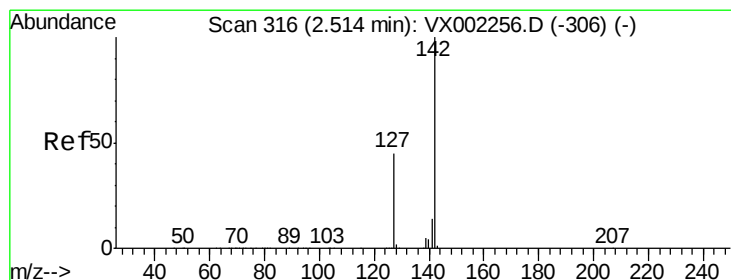
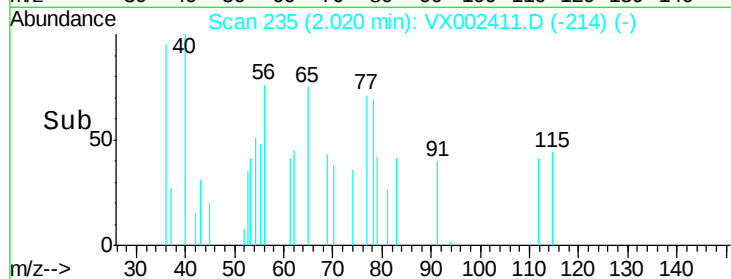
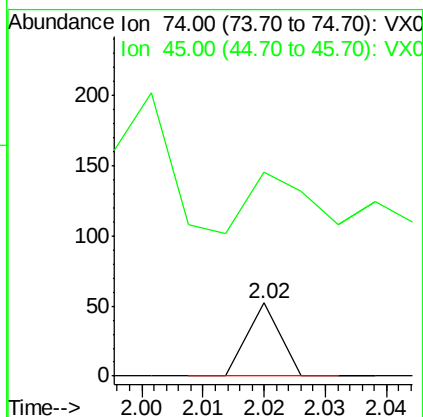
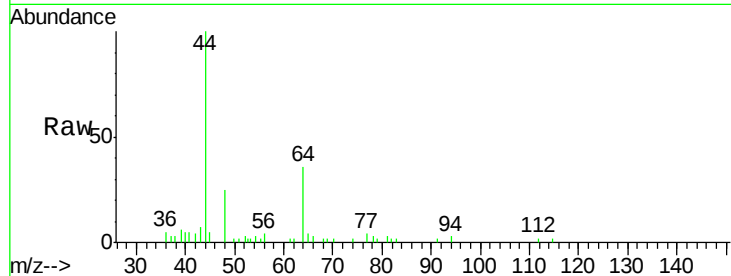




#8
Diethyl Ether
Concen: Below Cal
RT: 2.02 min Scan# 235
Delta R.T. -0.17 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

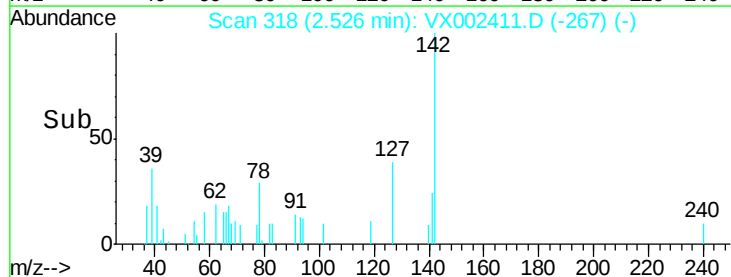
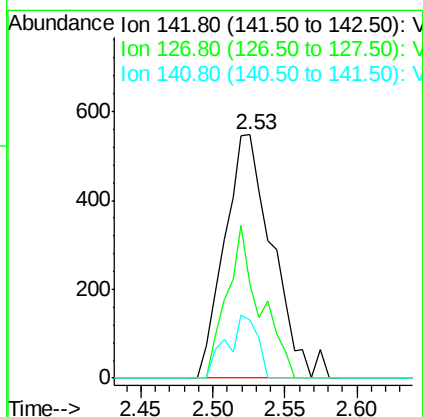
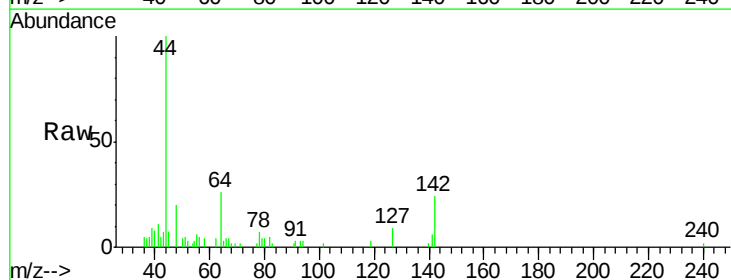
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

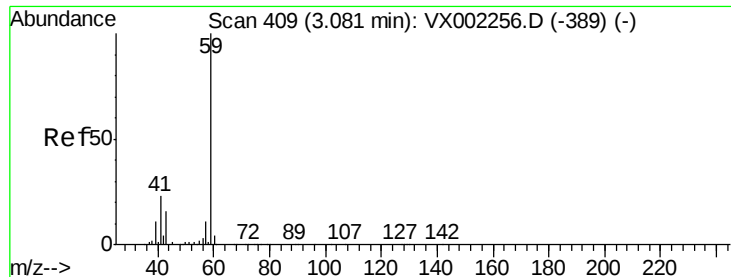
Tot Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 152.6 53.1 159.4



#10
Methyl Iodide
Concen: 0.42 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

Tgt Ion:142 Resp: 1266
Ion Ratio Lower Upper
142 100
127 43.9 36.6 55.0
141 16.6 11.3 16.9

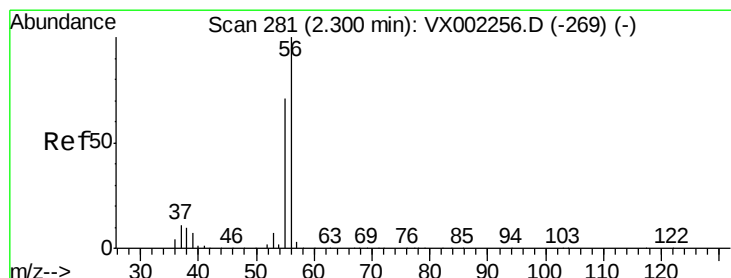
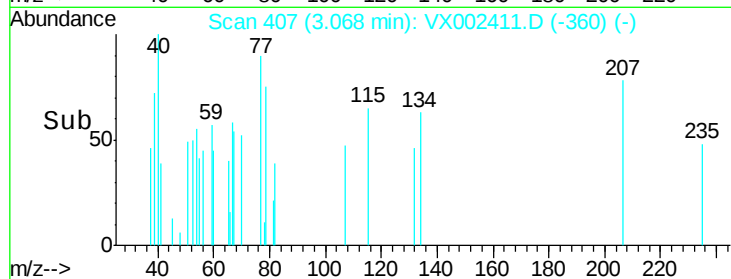
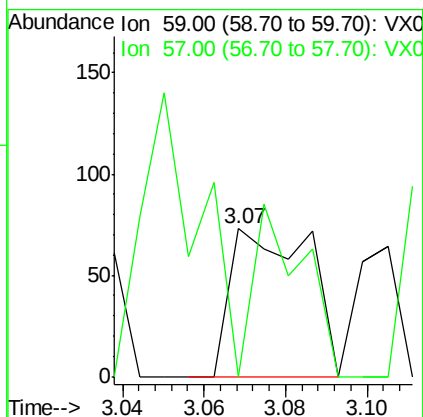
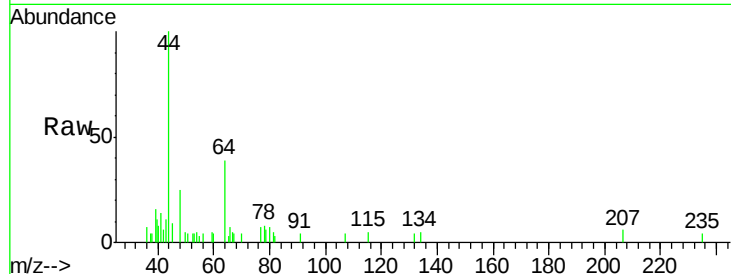




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

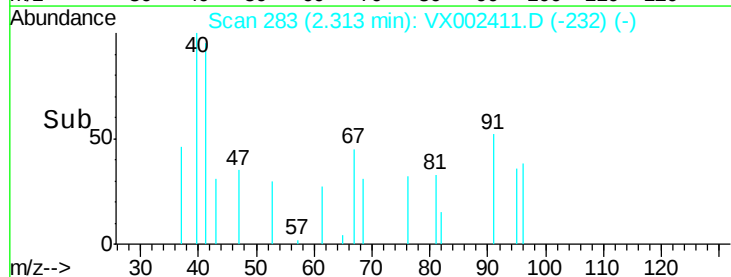
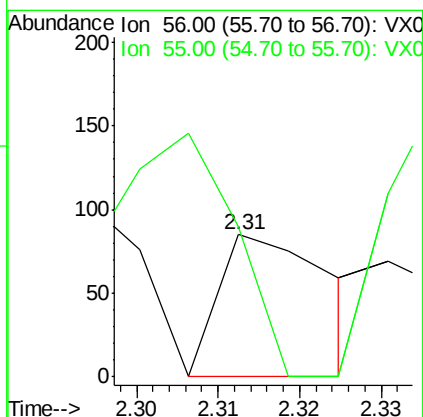
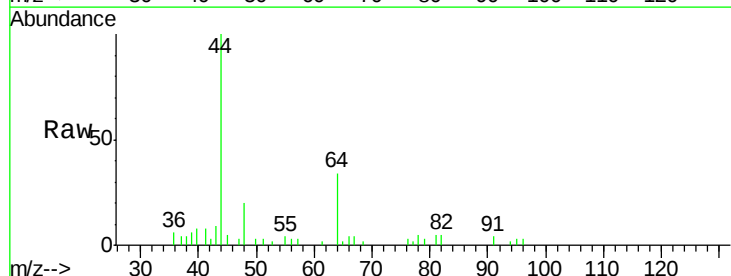
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

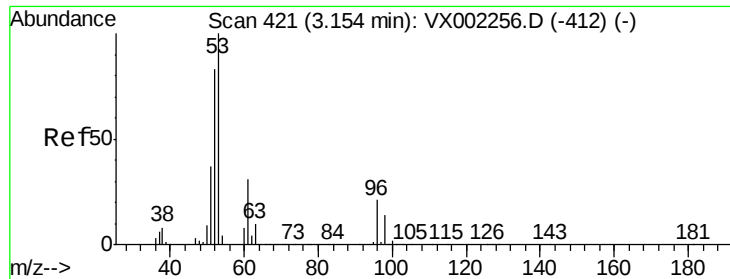
Tot Ion: 59 Resp: 97
Ion Ratio Lower Upper
59 100
57 74.2 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 200.0 57.0 85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

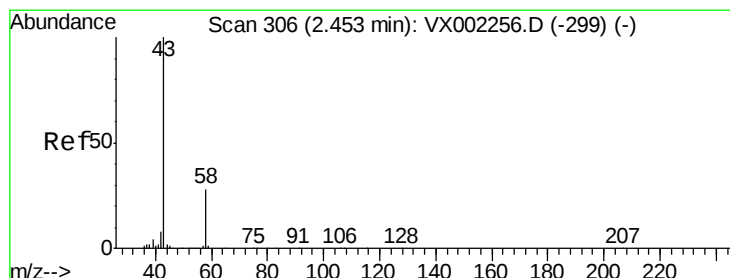
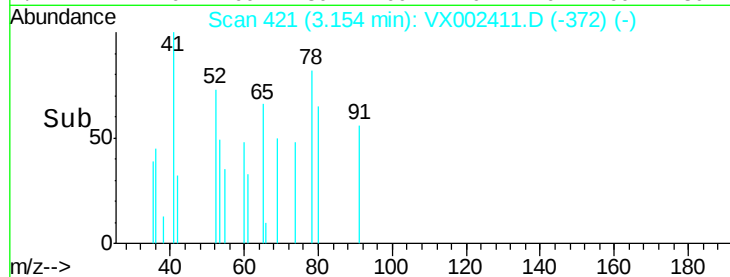
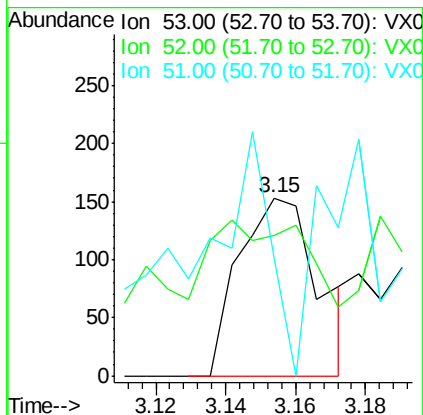
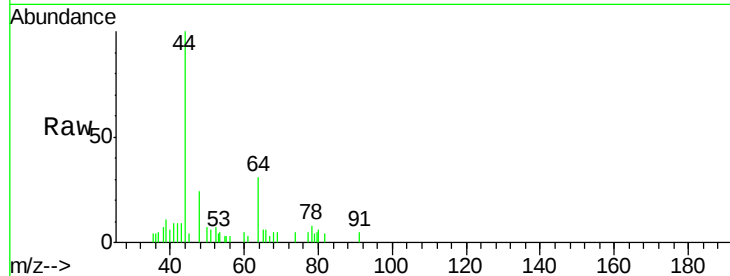
Tot Ion: 53 Resp: 241

Ion Ratio Lower Upper

53 100

52 86.3 66.7 100.1

51 156.4 29.9 44.9#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002411.D

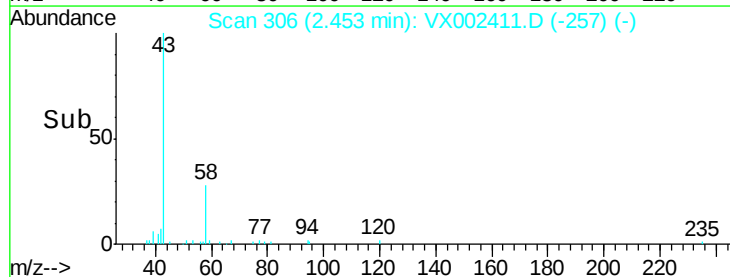
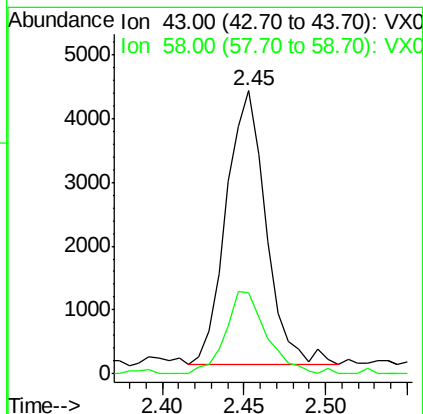
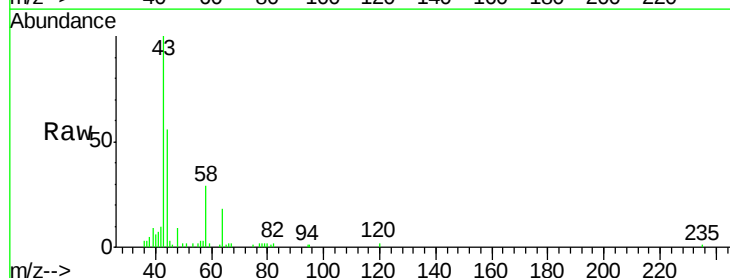
Acq: 08 Jun 2018 19:23

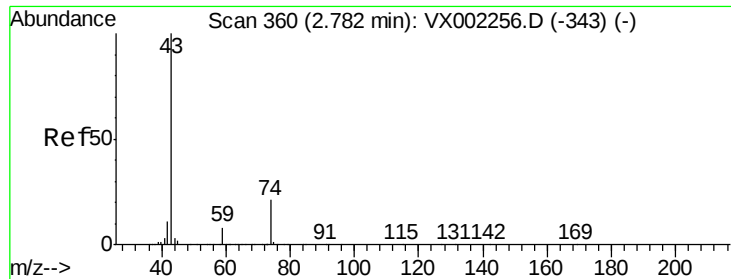
Tgt Ion: 43 Resp: 7306

Ion Ratio Lower Upper

43 100

58 29.9 22.1 33.1

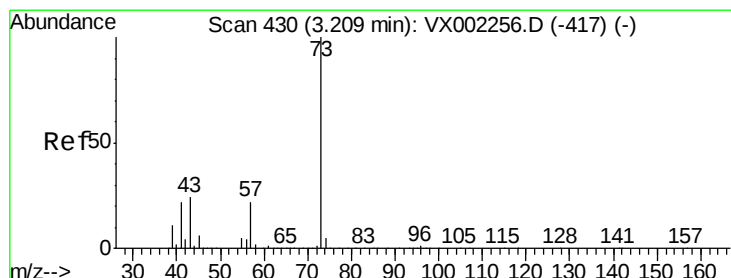
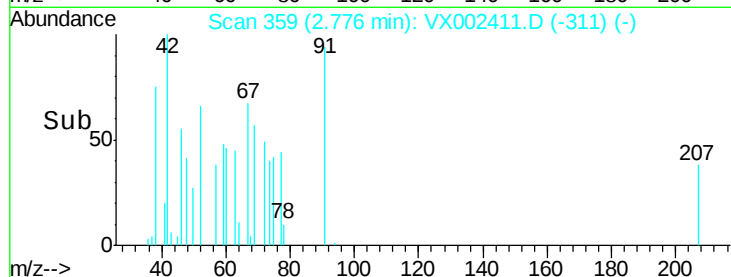
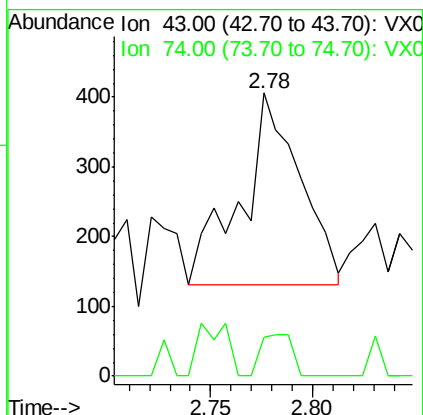
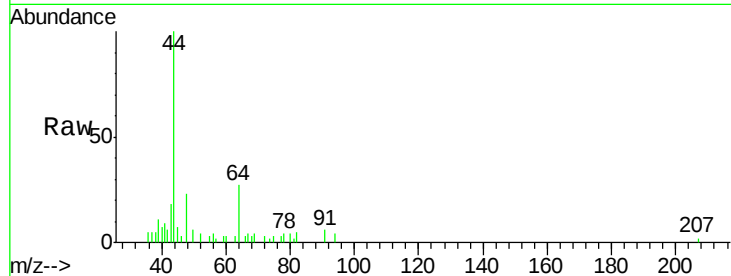




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

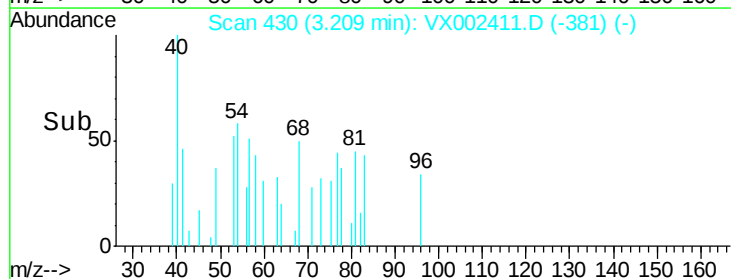
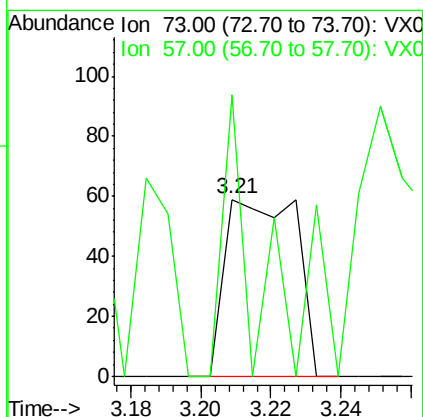
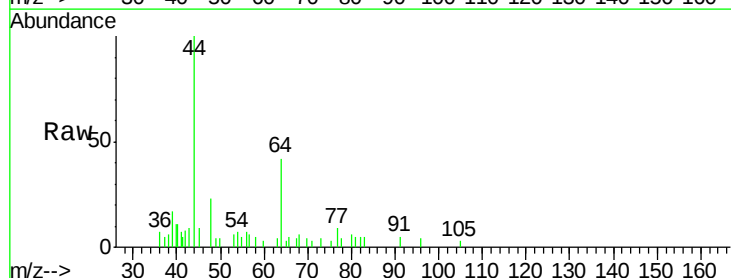
Instrument :
MSVOA_X
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STORAGEBLANK-SAMPLEMANAG

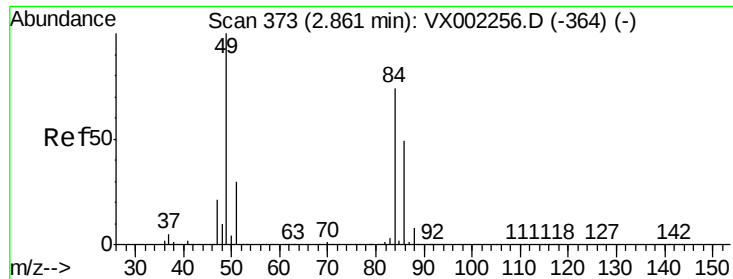
Tot Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
74 11.5 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

Tgt Ion: 73 Resp: 83
Ion Ratio Lower Upper
73 100
57 159.3 17.7 26.5#

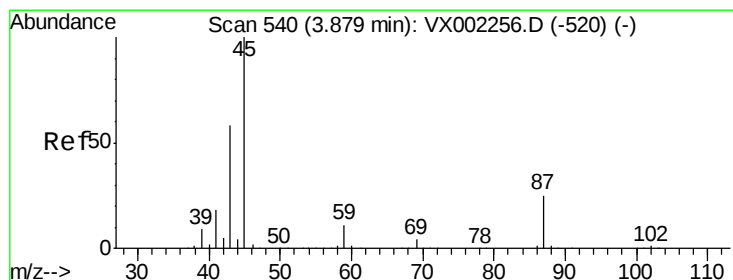
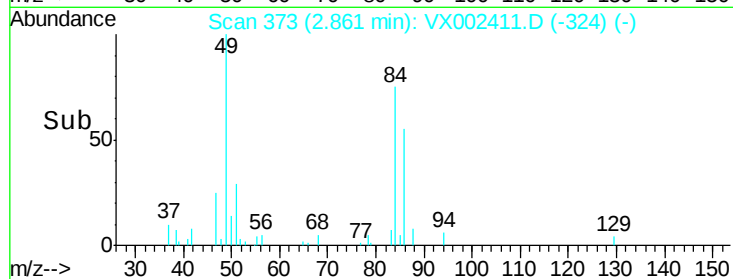
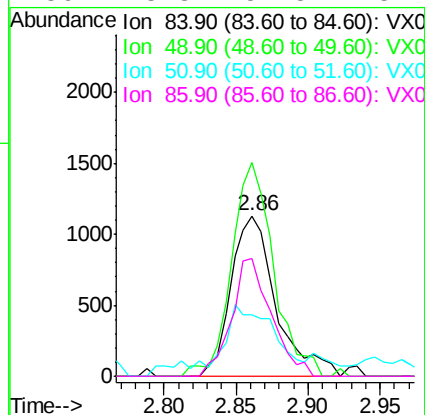
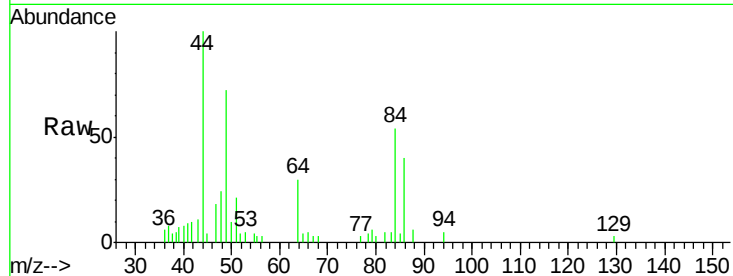




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

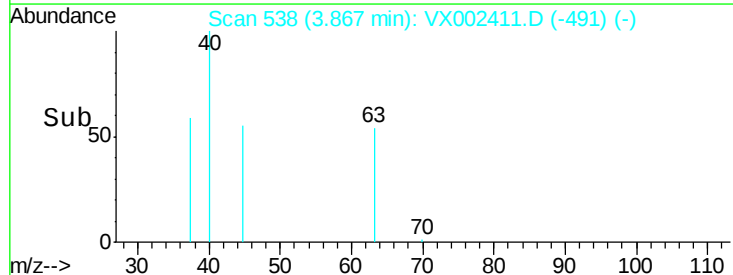
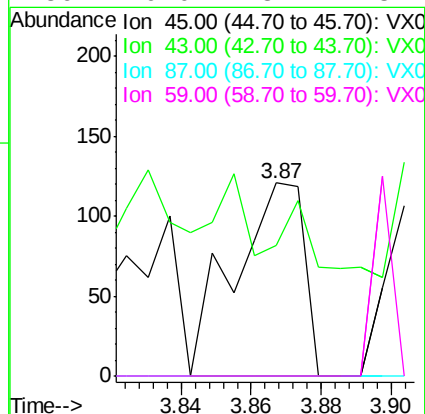
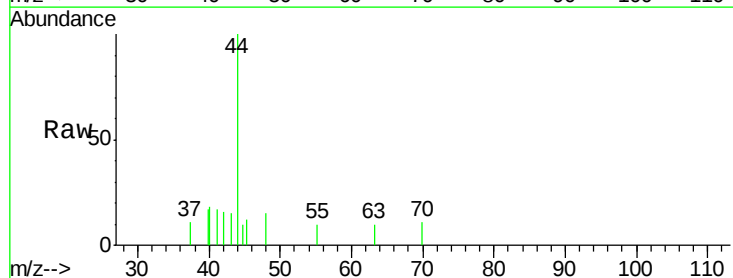
Instrument :
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ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

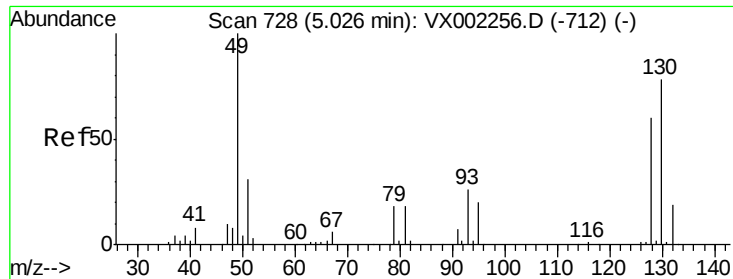
Tot Ion:	84	Resp:	2457
Ion	Ratio	Lower	Upper
84	100		
49	128.3	107.8	161.6
51	33.1	32.8	49.2
86	73.3	52.5	78.7



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

Tgt Ion:	45	Resp:	166
Ion	Ratio	Lower	Upper
45	100		
43	12.4	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.90 min Scan# 707

Delta R.T. -0.13 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

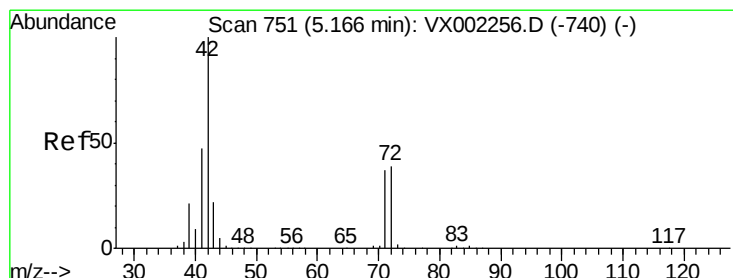
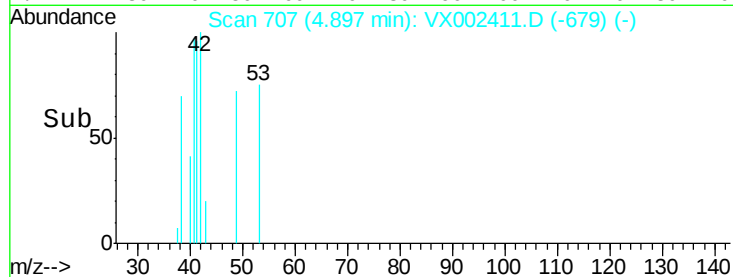
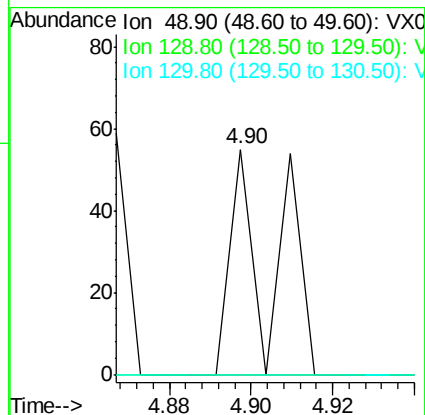
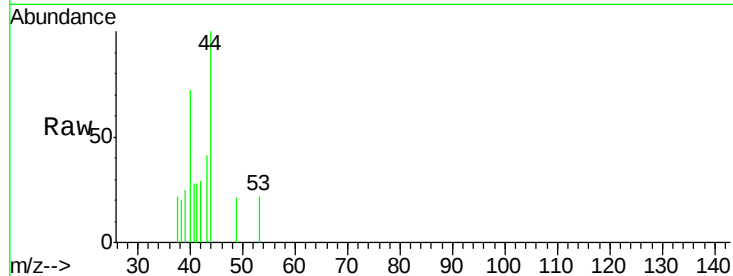
Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#



#29

Tetrahydrofuran

Concen: 0.23 ug/l

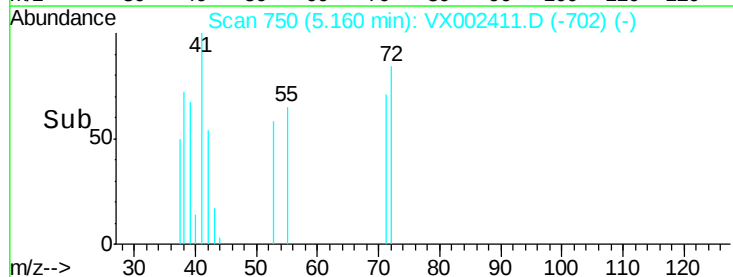
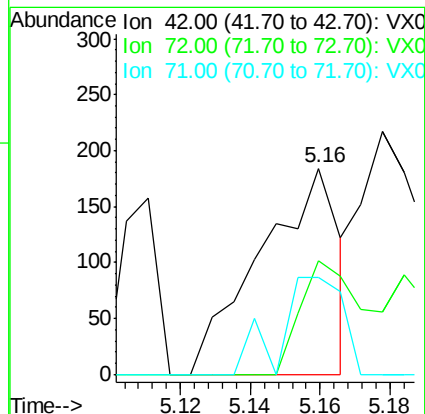
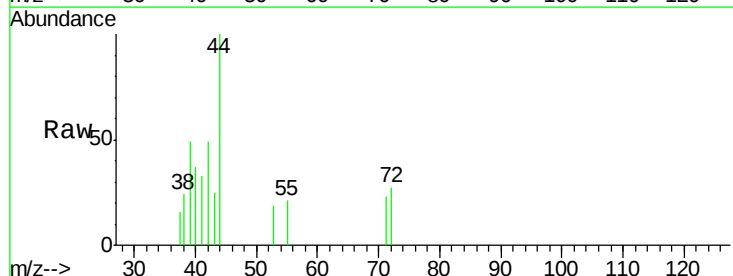
RT: 5.16 min Scan# 750

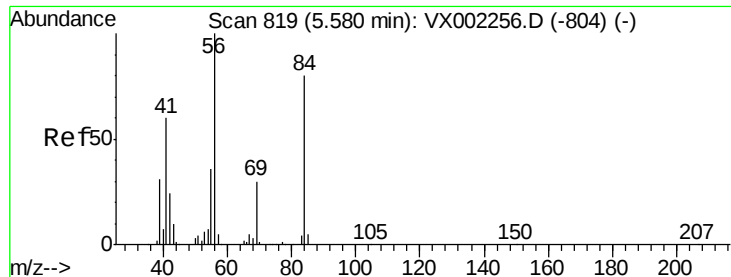
Delta R.T. -0.01 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.3	32.0	48.0
71	37.7	30.1	45.1

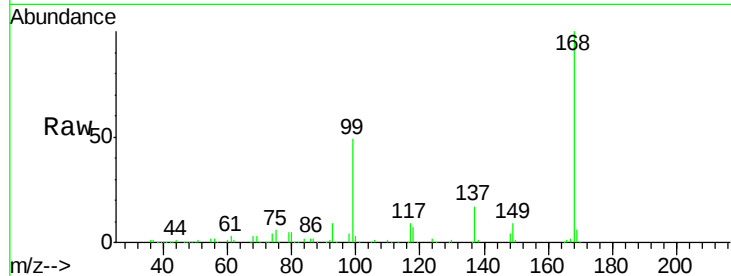




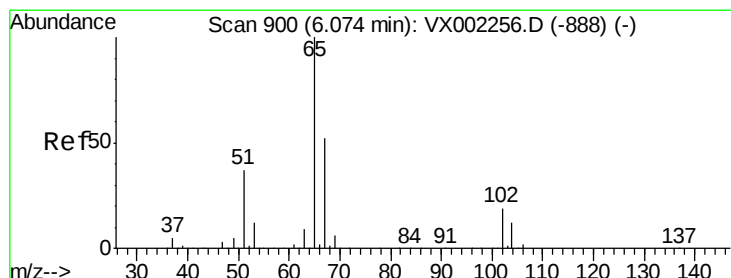
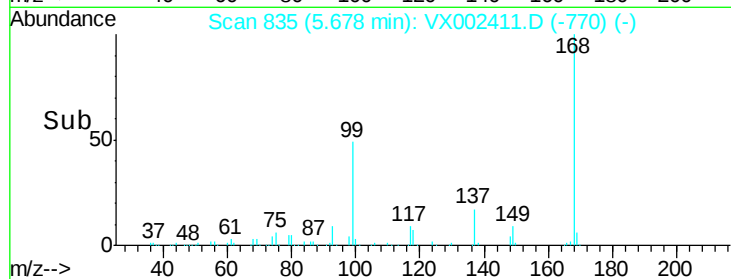
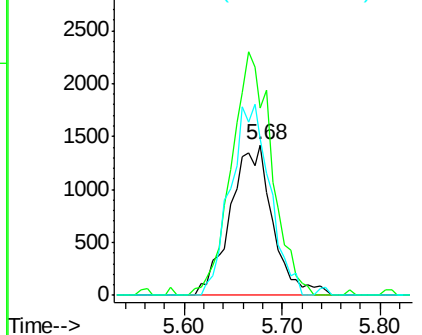
#31
Cvclohexane
Concen: 1.17 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.10 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 56 Resp: 4249
Ion Ratio Lower Upper
56 100
69 124.8 23.7 35.5#
84 104.7 64.1 96.1#

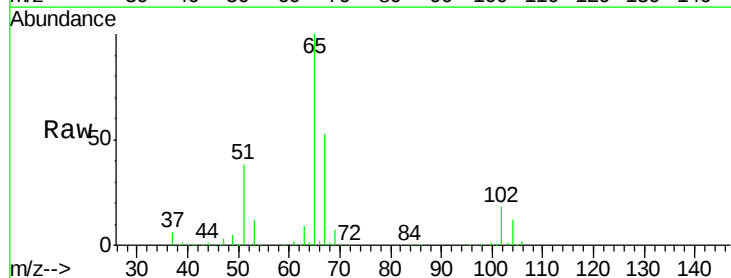


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

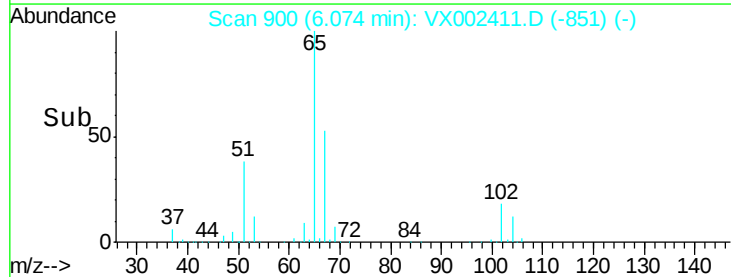
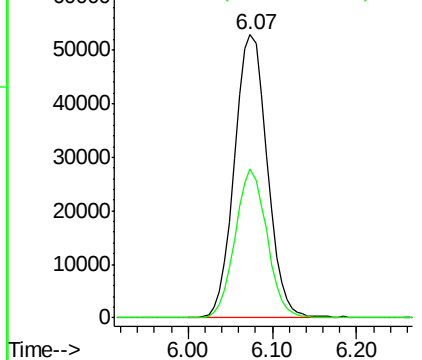


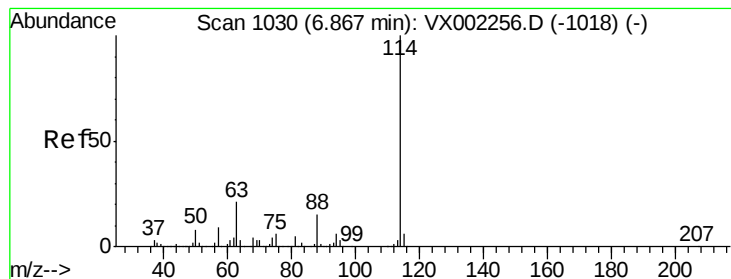
#33
1,2-Dichloroethane-d4
Concen: 48.41 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

Tgt Ion: 65 Resp: 139356
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

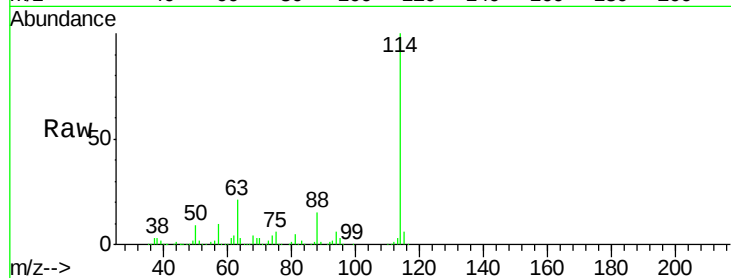
Tot Ion:114 Resp: 291977

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.4

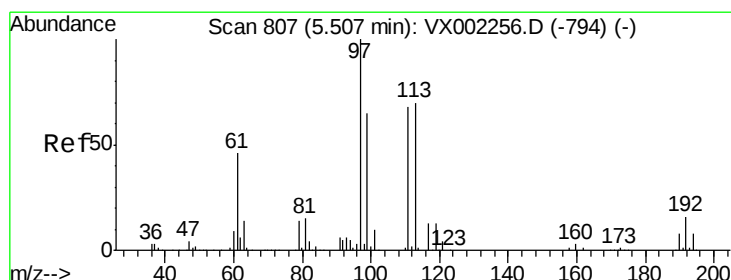
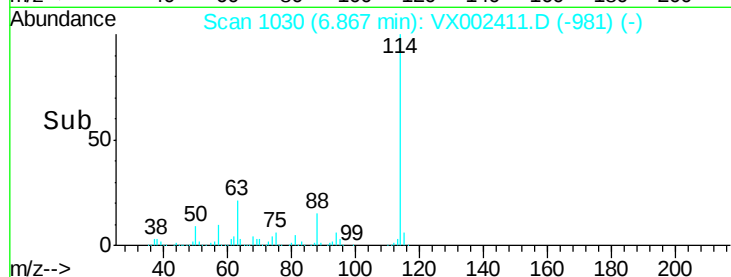
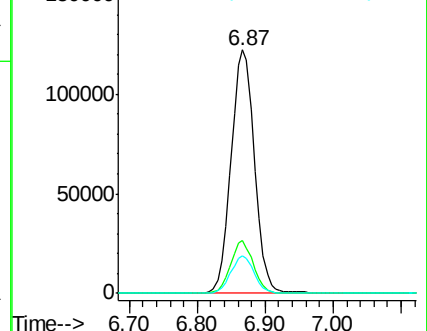
88 15.4 0.0 30.0



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: 45.98 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

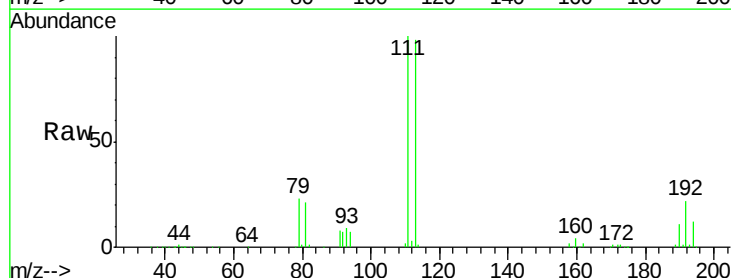
Tgt Ion:113 Resp: 105574

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

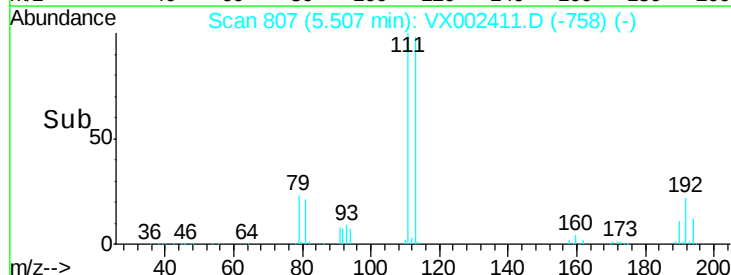
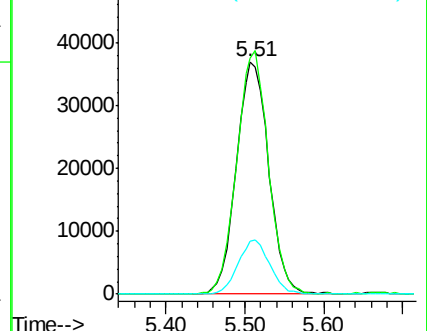
192 22.8 19.1 28.7

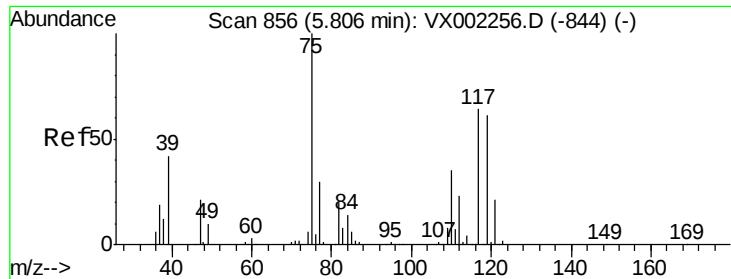


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

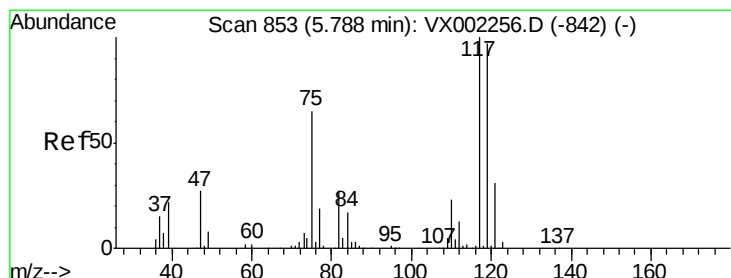
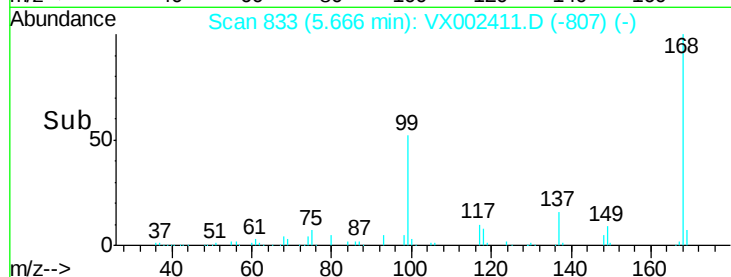
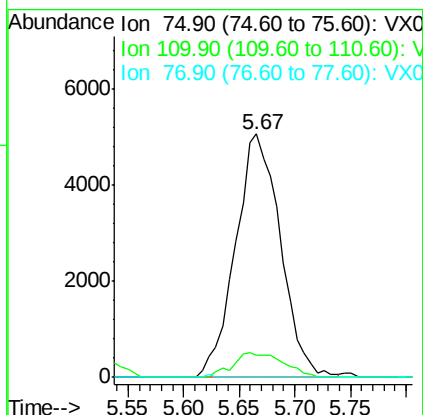
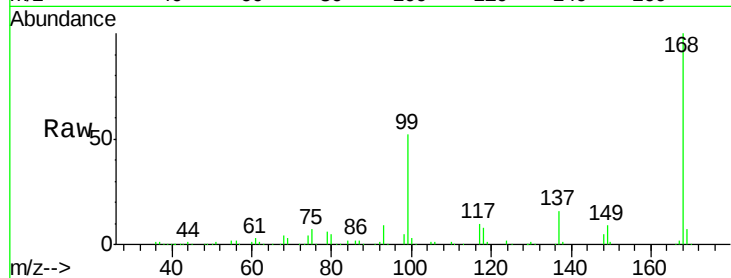




#36
 1,1-Dichloropropene
 Concen: 4.63 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002411.D
 Acq: 08 Jun 2018 19:23

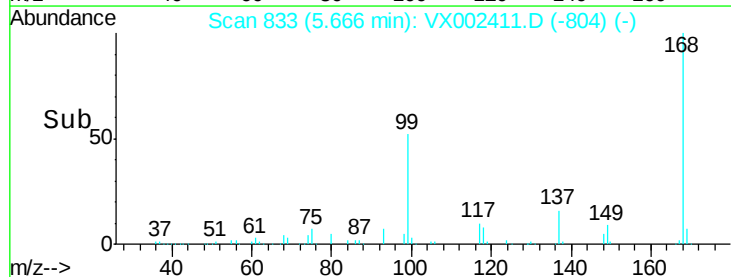
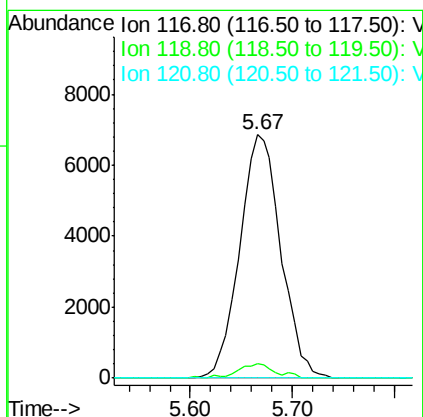
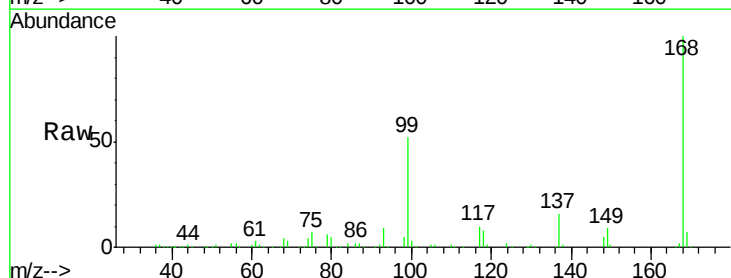
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

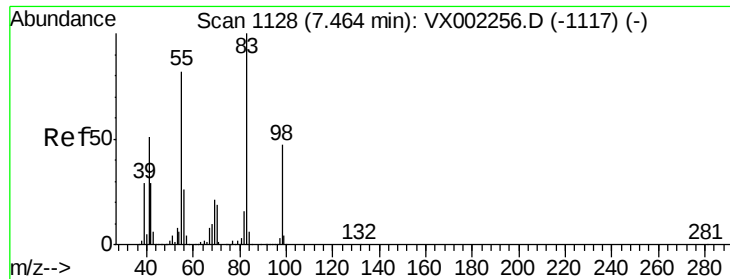
Tot Ion: 75 Resp: 14211
 Ion Ratio Lower Upper
 75 100
 110 11.4 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.97 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002411.D
 Acq: 08 Jun 2018 19:23

Tgt Ion:117 Resp: 19169
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.4 116.0#
 121 0.0 24.4 36.6#

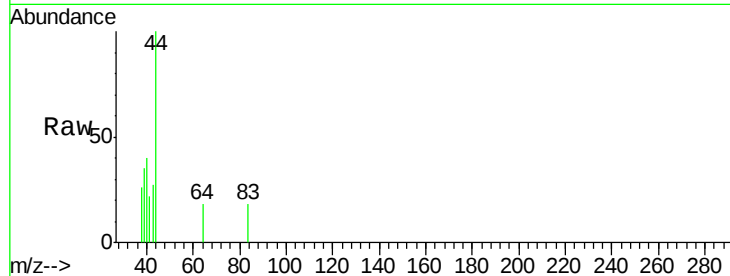




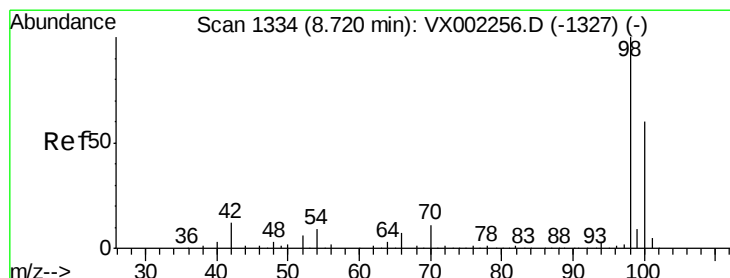
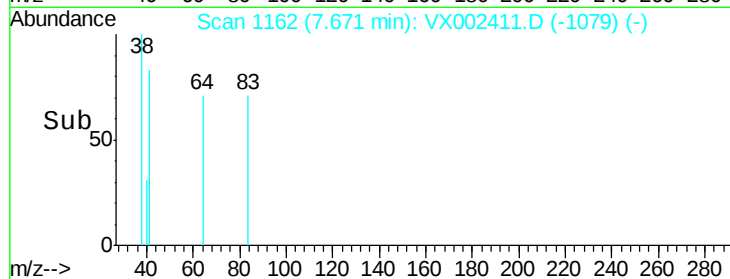
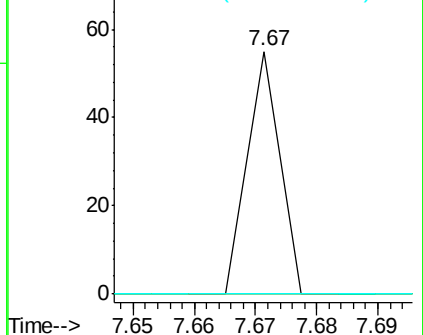
#39
Methylcyclohexane
Concen: 0.27 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. 0.21 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 83 Resp: 20
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 37.4 56.0#

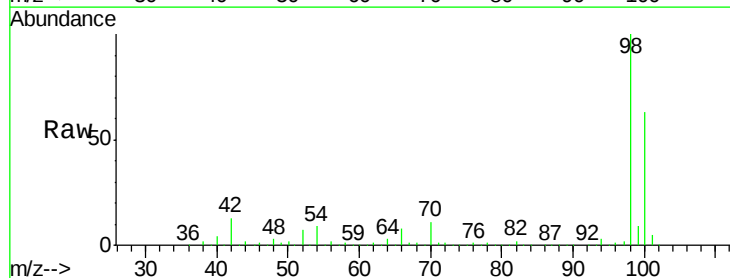


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

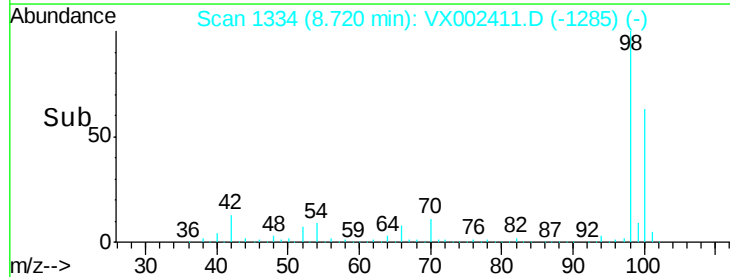
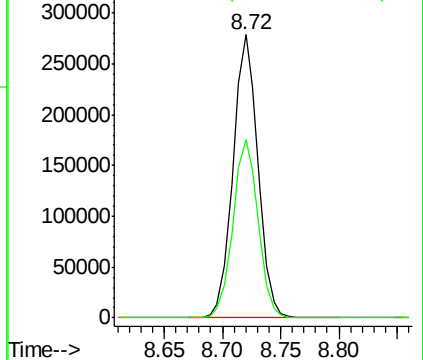


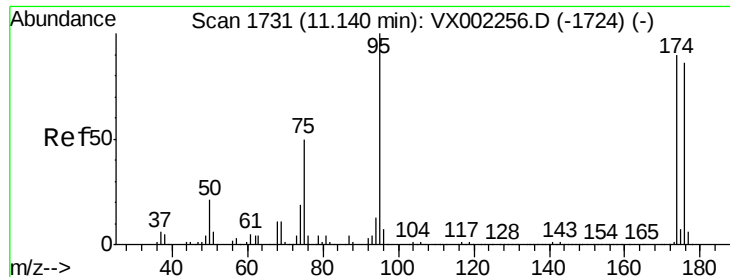
#50
Toluene-d8
Concen: 47.23 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002411.D
Acq: 08 Jun 2018 19:23

Tgt Ion: 98 Resp: 415638
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3



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





#62

4-Bromofluorobenzene

Concen: 40.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE\BLANK-SAMPLE\MANAG

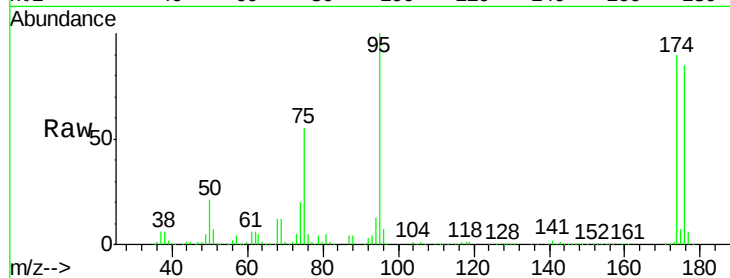
Tot Ion: 95 Resp: 138980

Ion Ratio Lower Upper

95 100

174 94.7 0.0 187.4

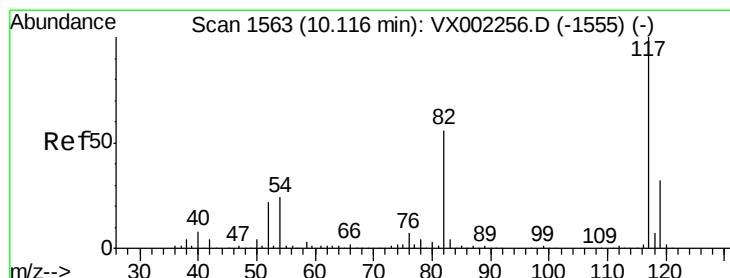
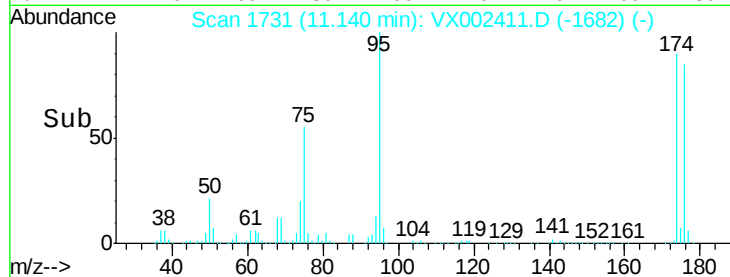
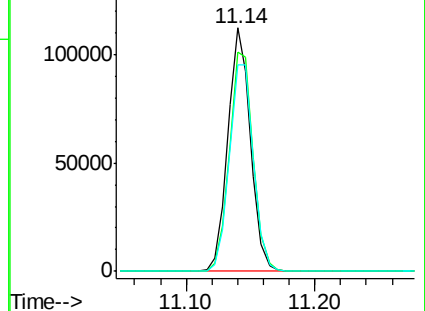
176 90.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002256.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002256.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002256.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

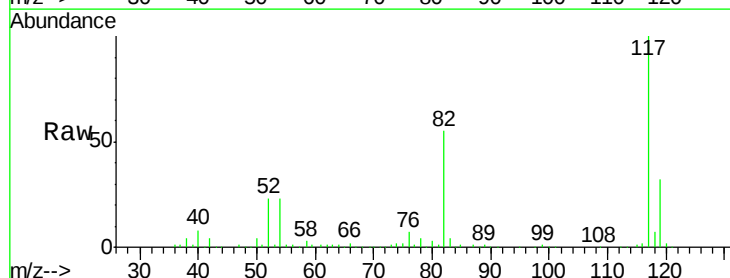
Tgt Ion: 117 Resp: 262145

Ion Ratio Lower Upper

117 100

82 55.3 45.0 67.4

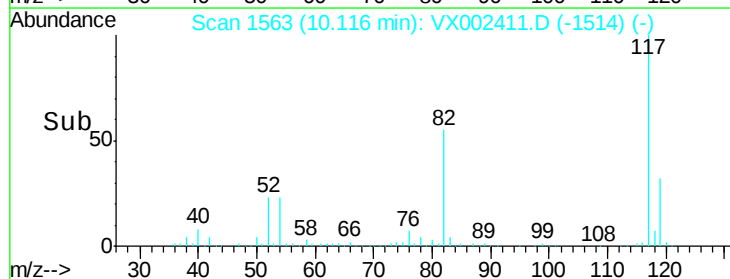
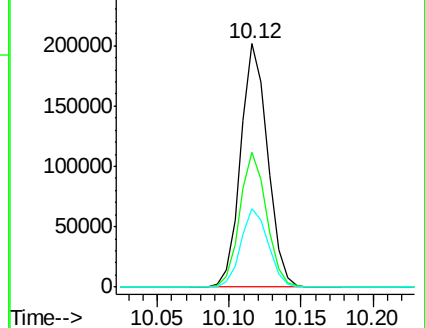
119 32.5 25.8 38.6

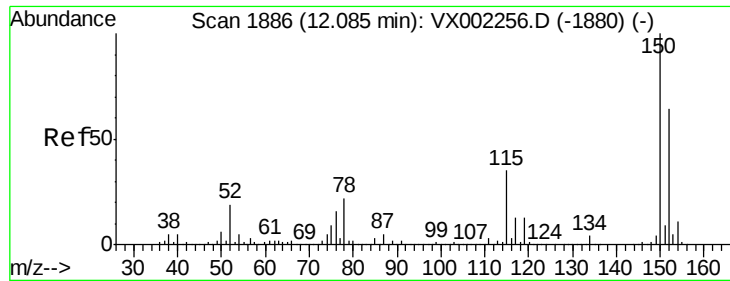


Abundance Ion 116.90 (116.60 to 117.60): VX002256.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX002256.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002256.D (-1555) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE\BLANK-SAMPLE\MANAG

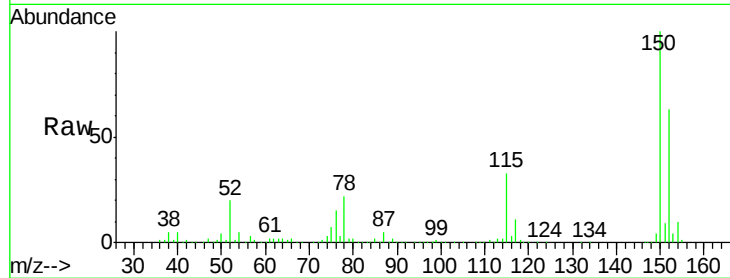
Tot Ion:152 Resp: 136236

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

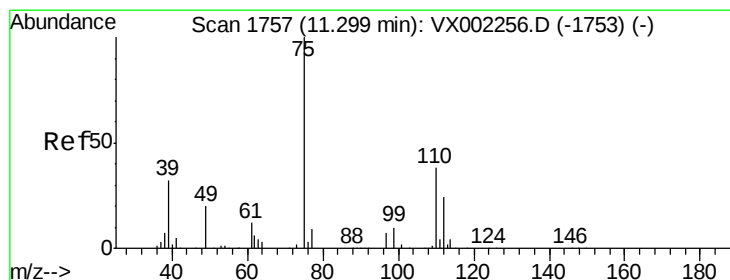
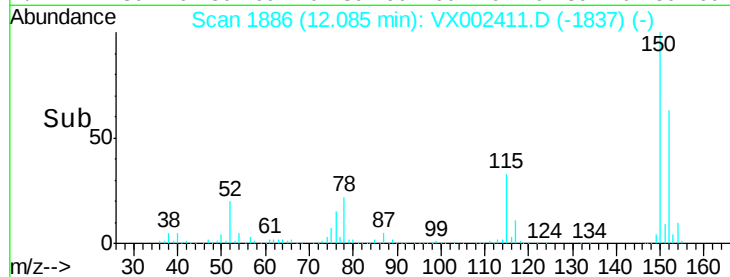
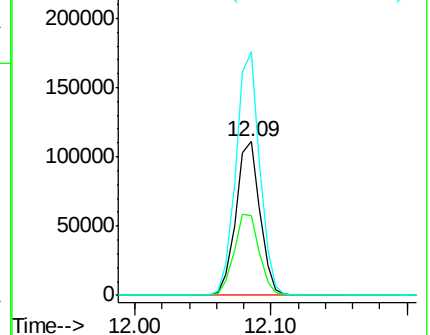
150 156.7 0.0 347.2



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: 25.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002411.D

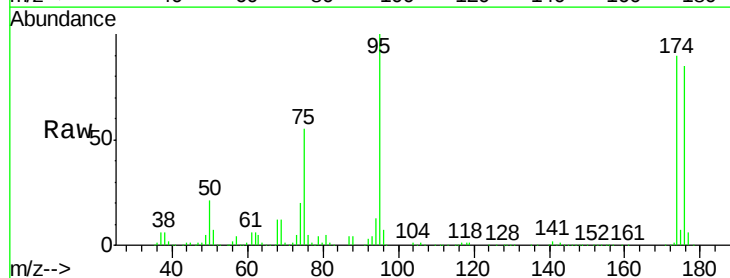
Acq: 08 Jun 2018 19:23

Tgt Ion: 75 Resp: 75861

Ion Ratio Lower Upper

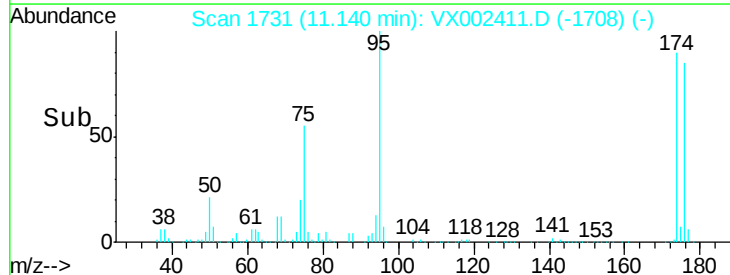
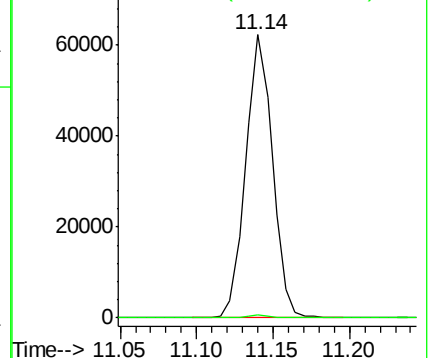
75 100

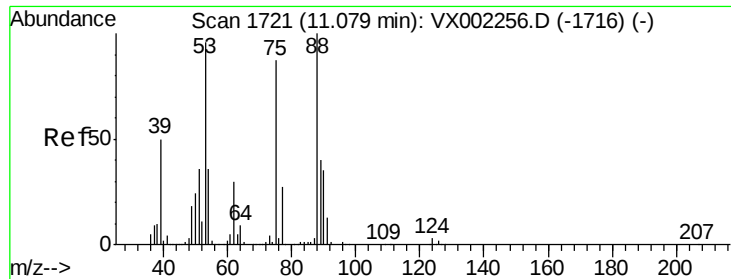
77 1.1 22.8 68.3#



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: 88.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002411.D

Acq: 08 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

Tot Ion: 75 Resp: 75861

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

