

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030218\
 Data File : VX000203.D
 Acq On : 02 Mar 2018 20:16
 Operator : JC/MD
 Sample : J1699-72 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 04:44:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	86386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	142132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	134296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	70389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	55427	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	5.51	113	41883	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
50) Toluene-d8	8.73	98	172061	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.15	95	61558	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	

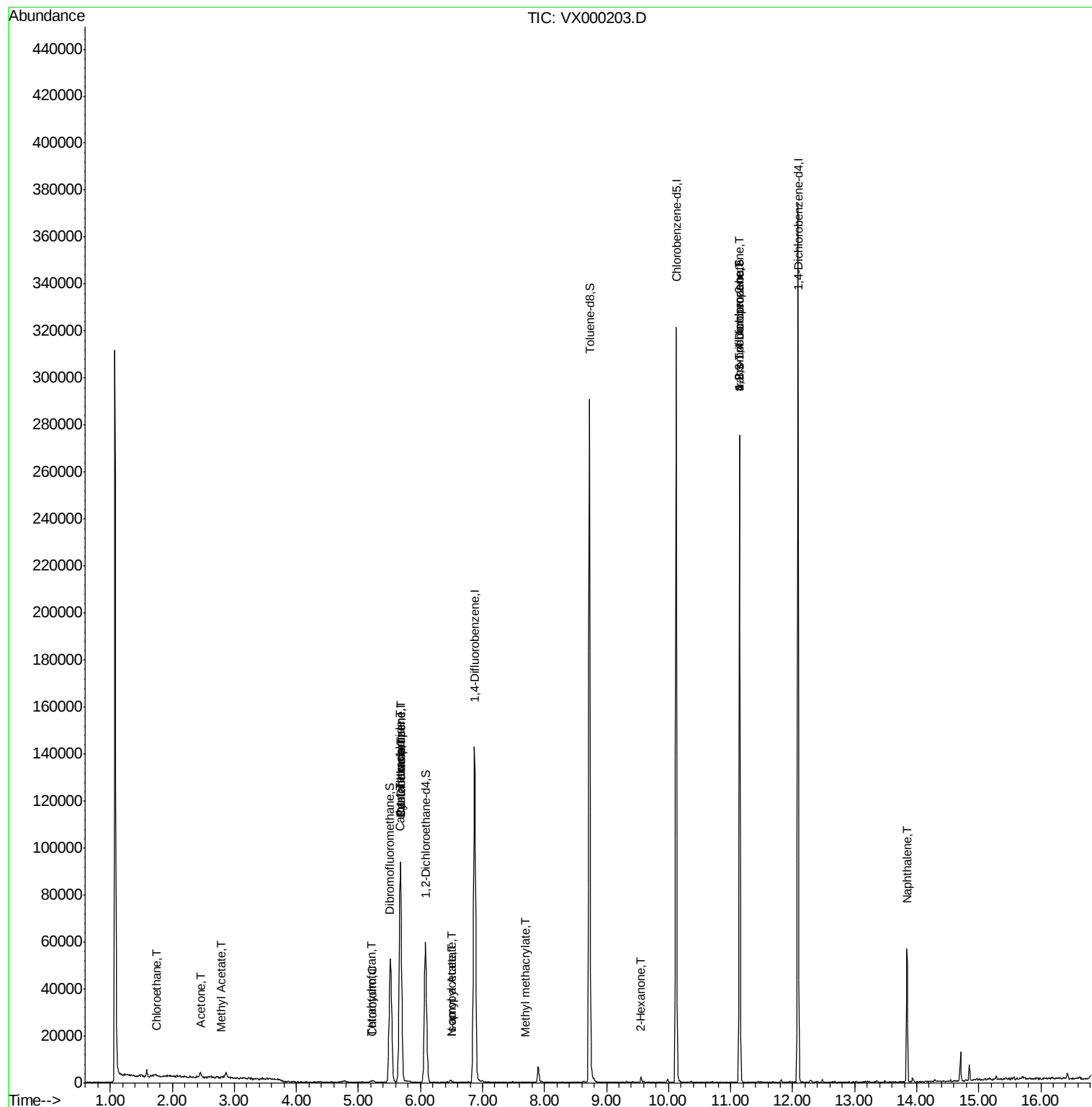
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	269	Below Cal	#	3
6) Chloroethane	1.75	64	433	0.66	ug/l #	42
16) Acetone	2.45	43	2845	4.07	ug/l #	77
18) Methyl Acetate	2.78	43	377	0.23	ug/l #	50
20) Methylene Chloride	2.87	84	801	Below Cal	#	67
29) Tetrahydrofuran	5.20	42	301	0.47	ug/l #	35
30) Chloroform	5.23	83	969	0.59	ug/l #	69
31) Cyclohexane	5.68	56	2341	1.74	ug/l #	39
36) 1,1-Dichloropropene	5.68	75	6929	5.43	ug/l #	48
38) Carbon Tetrachloride	5.67	117	9027	6.55	ug/l #	15
41) Methacrylonitrile	5.01	41	60	Below Cal	#	1
43) Isopropyl Acetate	6.49	43	1271	0.50	ug/l #	76
48) Methyl methacrylate	7.70	41	262	0.21	ug/l #	11
59) 2-Hexanone	9.56	43	356	0.23	ug/l #	24
74) N-amyl acetate	6.49	43	1271	0.56	ug/l #	80
76) 1,2,3-Trichloropropane	11.15	75	36073	24.74	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.15	75	36073	70.46	ug/l #	12
95) Naphthalene	13.84	128	33359	5.74	ug/l	99

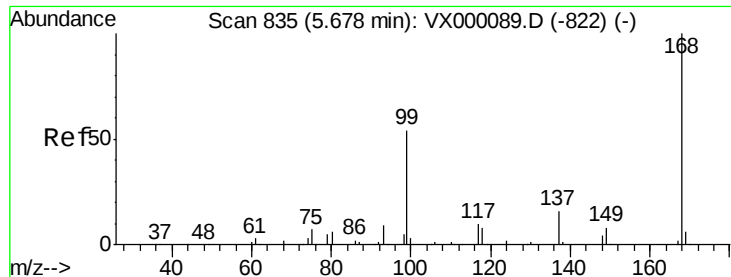
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 15 12:46:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000203.D

Acq: 02 Mar 2018 20:16

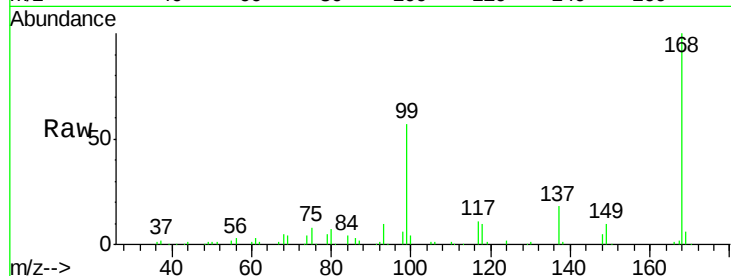
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 86386

Ion Ratio Lower Upper

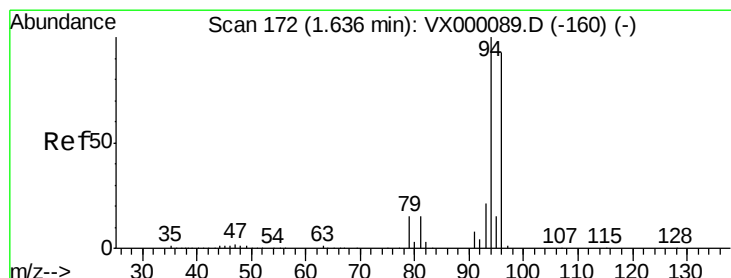
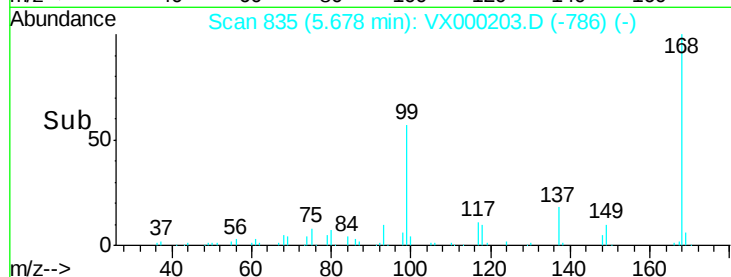
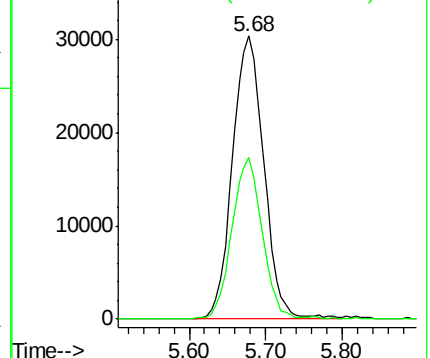
168 100

99 57.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX000203.D

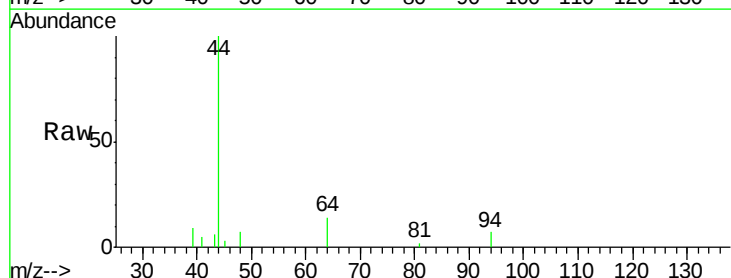
Acq: 02 Mar 2018 20:16

Tgt Ion: 94 Resp: 269

Ion Ratio Lower Upper

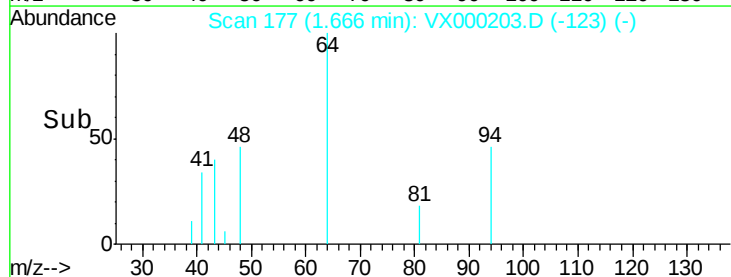
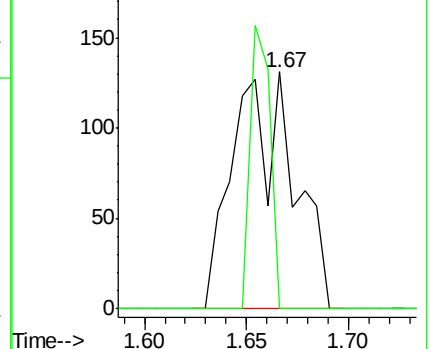
94 100

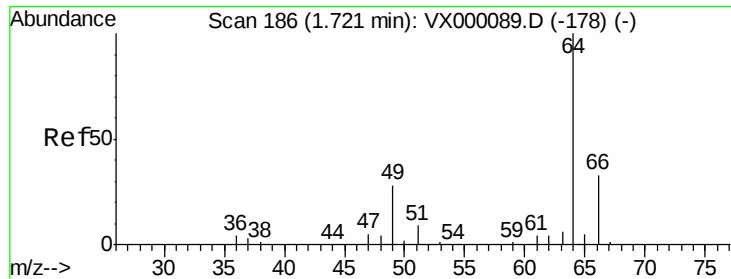
96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.66 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX000203.D

Acq: 02 Mar 2018 20:16

Instrument :

MSVOA_X

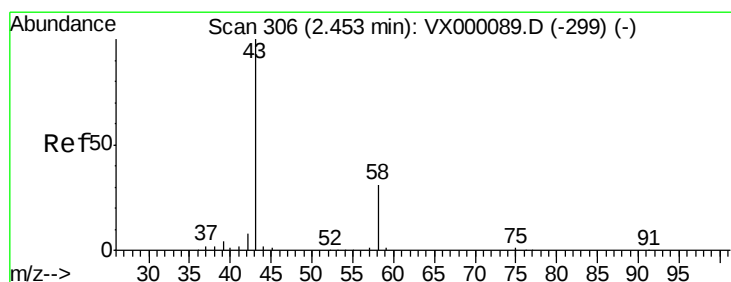
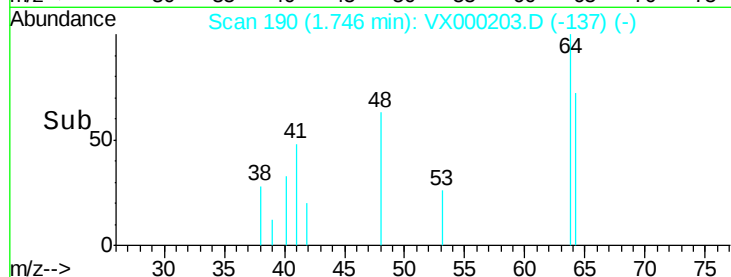
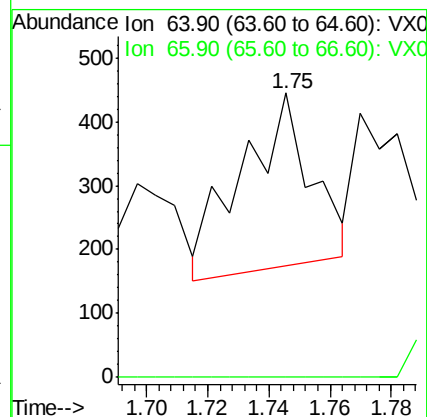
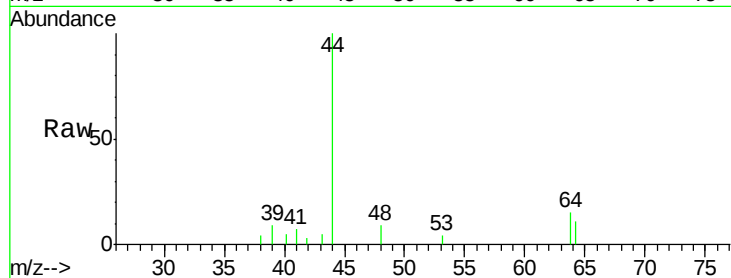
ClientSampled :

Tot Ion: 64 Resp: 433

Ion Ratio Lower Upper

64 100

66 0.0 26.0 39.0#



#16

Acetone

Concen: 4.07 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000203.D

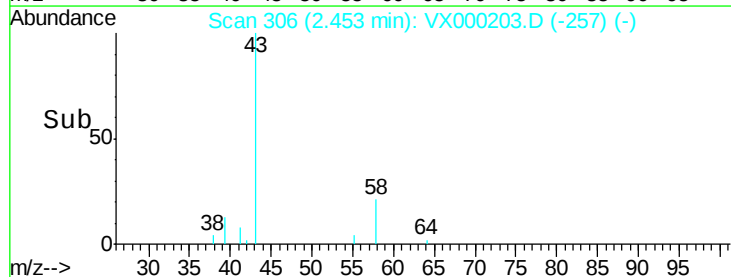
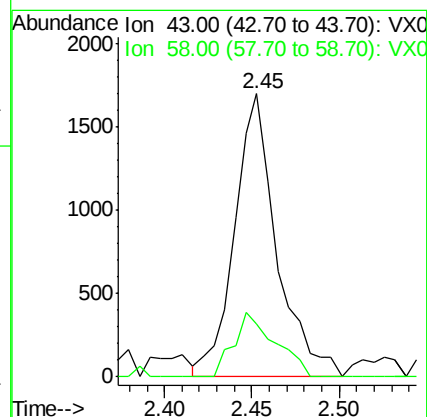
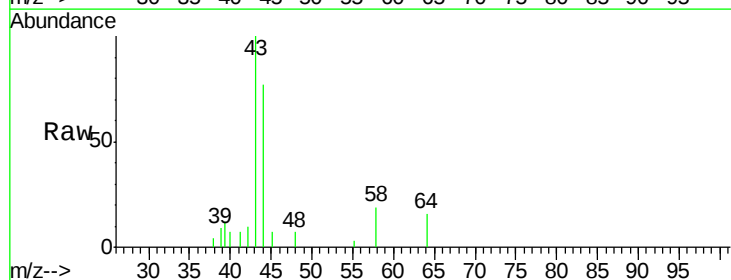
Acq: 02 Mar 2018 20:16

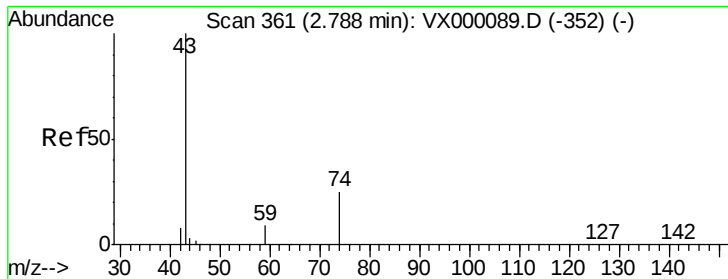
Tgt Ion: 43 Resp: 2845

Ion Ratio Lower Upper

43 100

58 18.6 25.0 37.4#

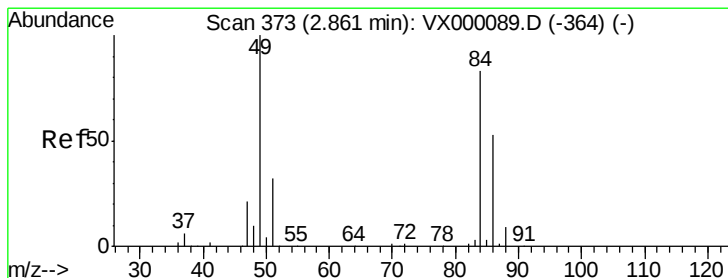
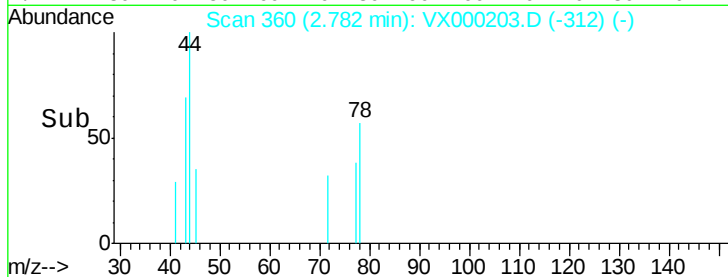
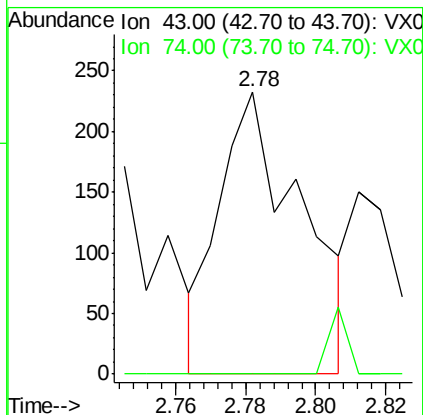
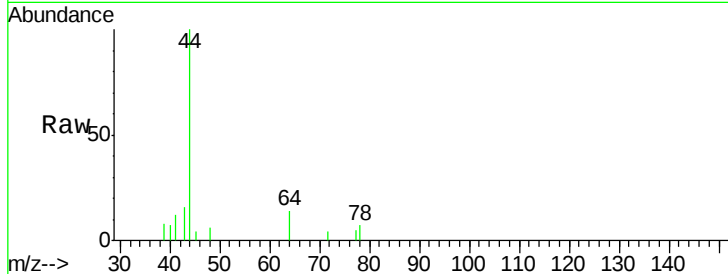




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000203.D
Acq: 02 Mar 2018 20:16

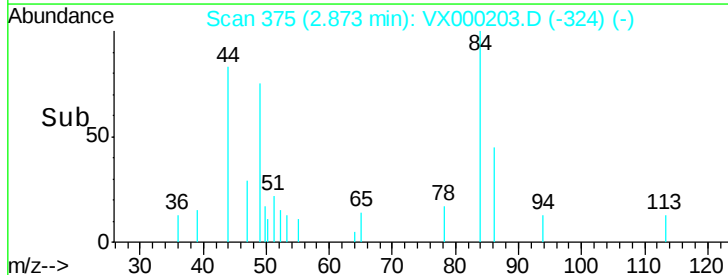
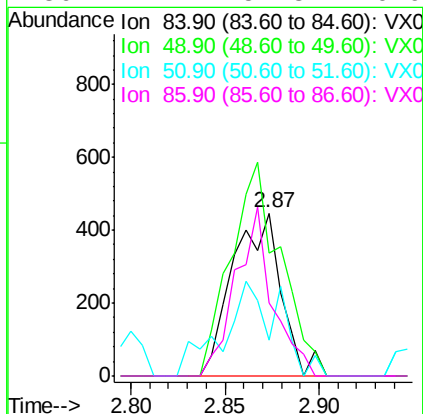
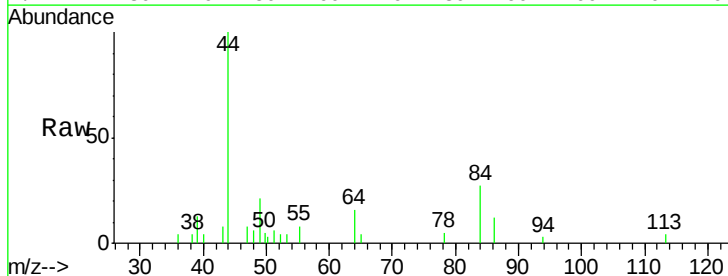
Instrument :
MSVOA_X
ClientSampled :

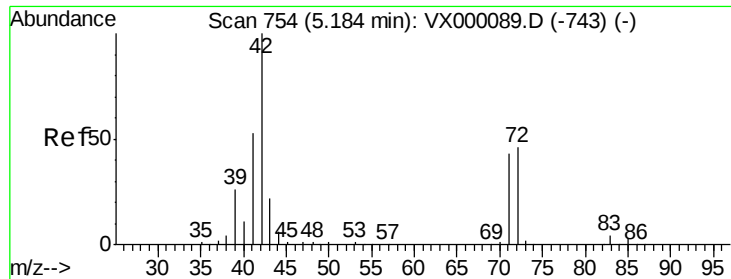
Tot Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX000203.D
Acq: 02 Mar 2018 20:16

Tgt Ion: 84 Resp: 801
Ion Ratio Lower Upper
84 100
49 75.4 96.1 144.1#
51 22.1 30.5 45.7#
86 44.7 51.3 76.9#

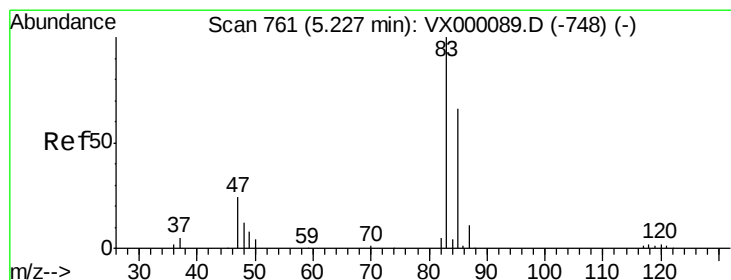
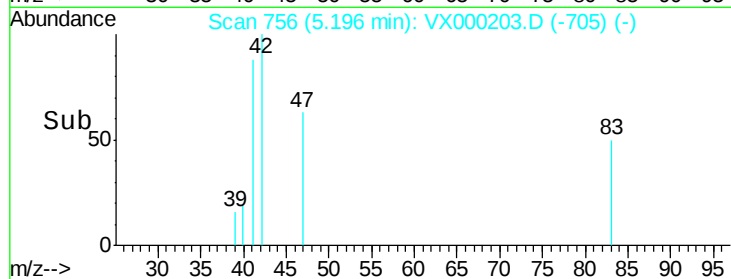
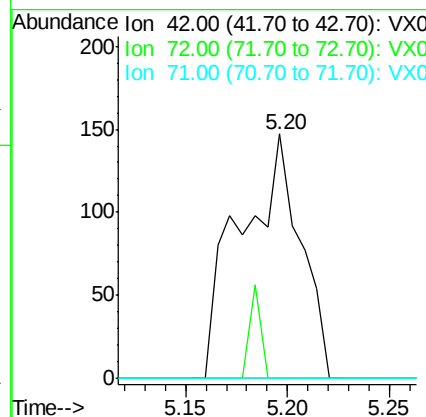
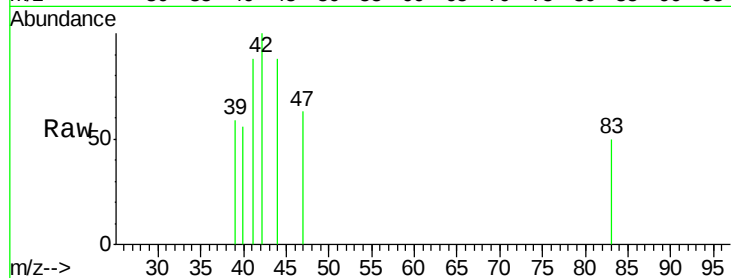




#29
Tetrahydrofuran
Concen: 0.47 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.01 min
Lab File: VX000203.D
Acq: 02 Mar 2018 20:16

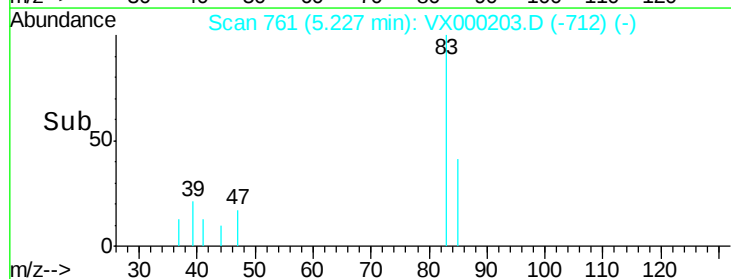
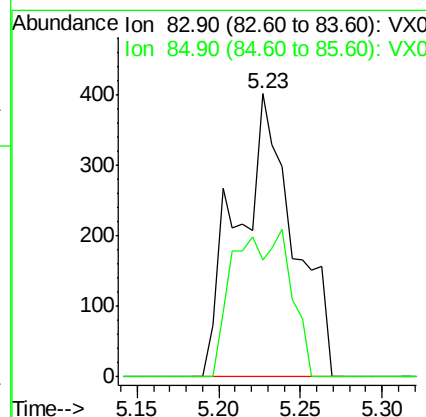
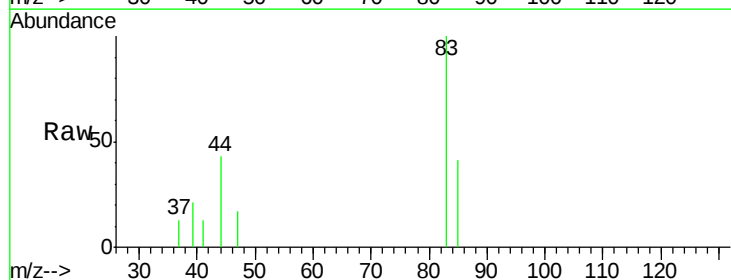
Instrument :
MSVOA_X
ClientSampled :

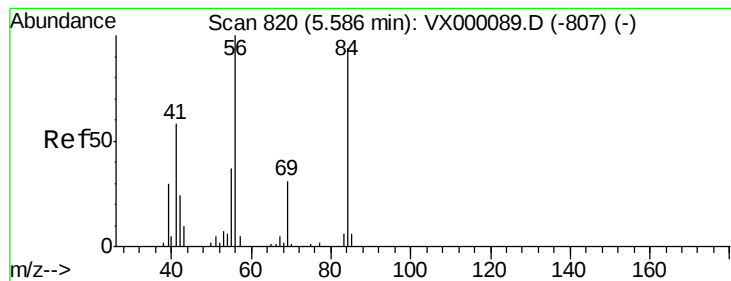
Tot Ion: 42 Resp: 301
Ion Ratio Lower Upper
42 100
72 6.6 38.6 58.0#
71 0.0 36.2 54.4#



#30
Chloroform
Concen: 0.59 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000203.D
Acq: 02 Mar 2018 20:16

Tgt Ion: 83 Resp: 969
Ion Ratio Lower Upper
83 100
85 41.3 52.7 79.1#





#31

Cyclohexane

Concen: 1.74 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000203.D

Acq: 02 Mar 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

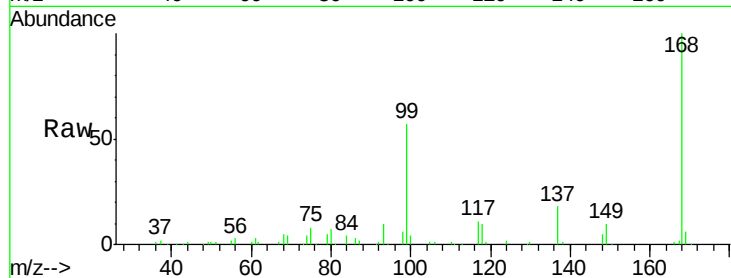
Tot Ion: 56 Resp: 2341

Ion Ratio Lower Upper

56 100

69 136.3 24.9 37.3#

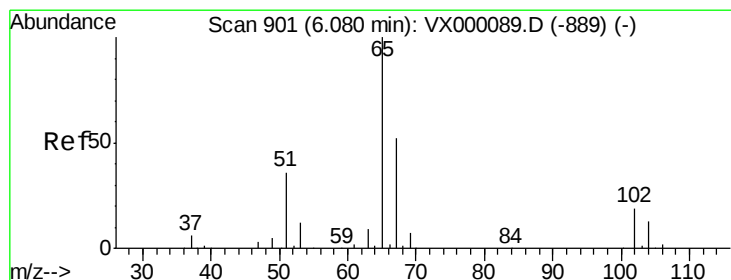
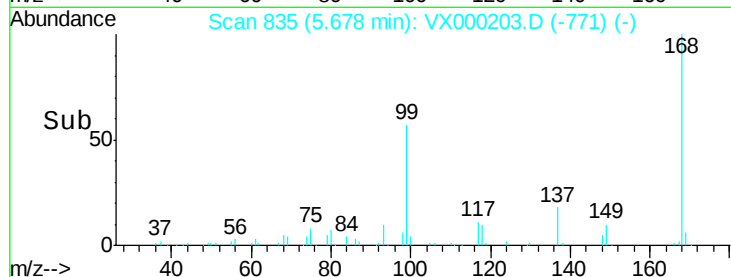
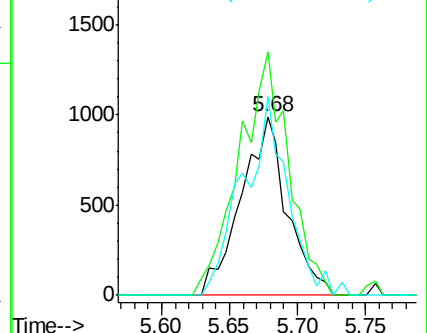
84 111.4 75.0 112.4



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: 51.38 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000203.D

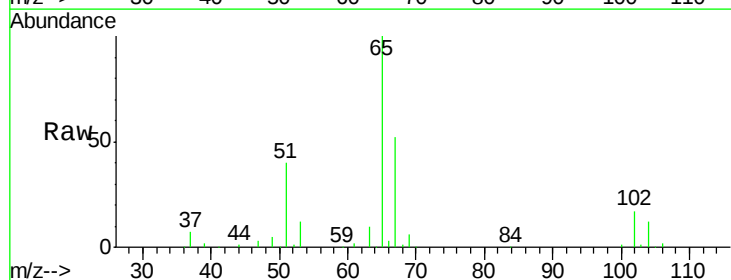
Acq: 02 Mar 2018 20:16

Tgt Ion: 65 Resp: 55427

Ion Ratio Lower Upper

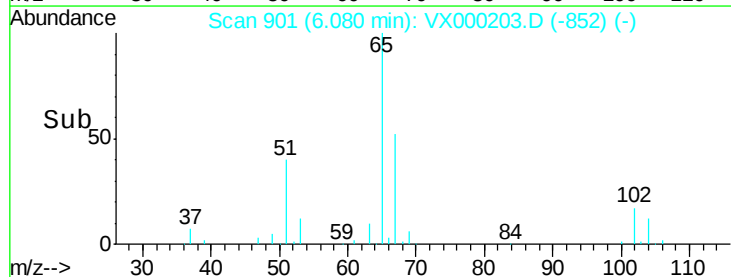
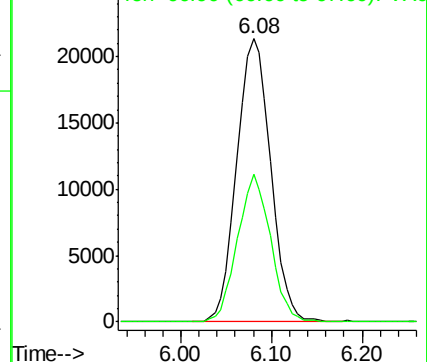
65 100

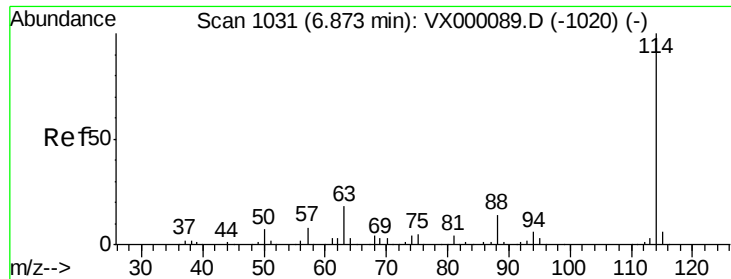
67 50.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

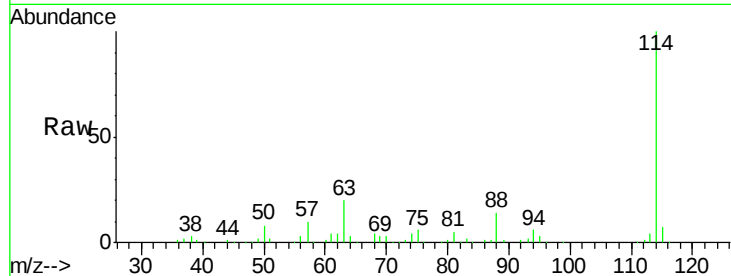




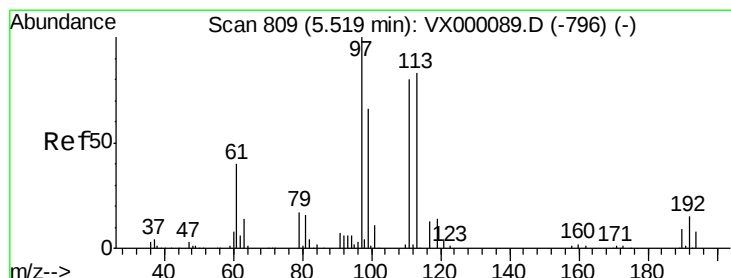
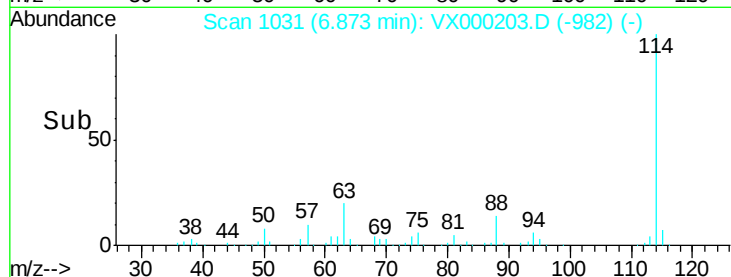
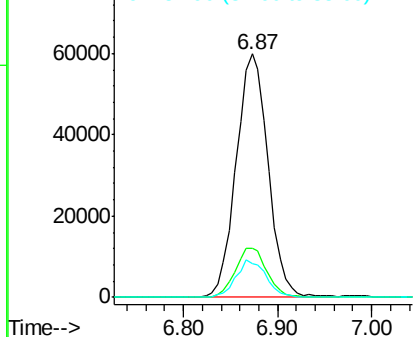
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000203.D
 Acq: 02 Mar 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 142132
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 36.4
 88 14.1 0.0 29.0

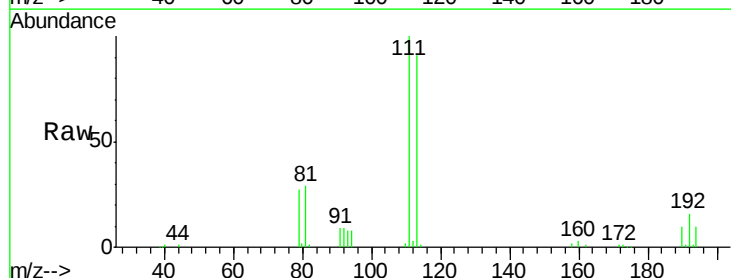


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

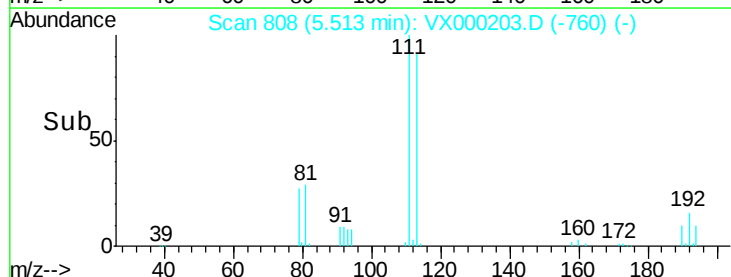
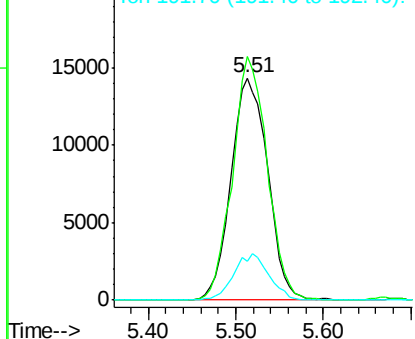


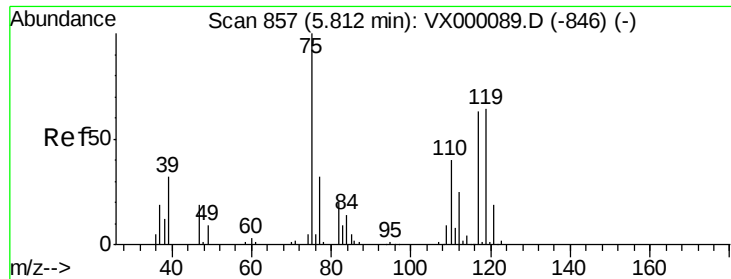
#35
 Dibromofluoromethane
 Concen: 46.69 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VX000203.D
 Acq: 02 Mar 2018 20:16

Tgt Ion:113 Resp: 41883
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.0 121.6
 192 20.0 15.7 23.5



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

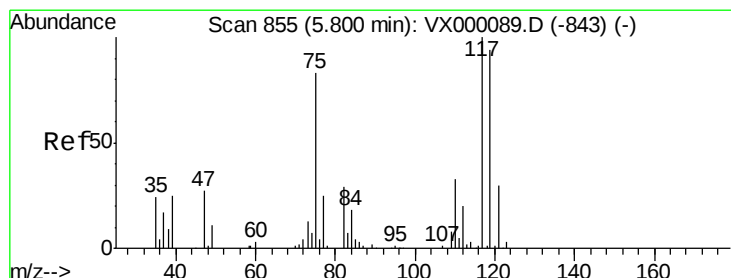
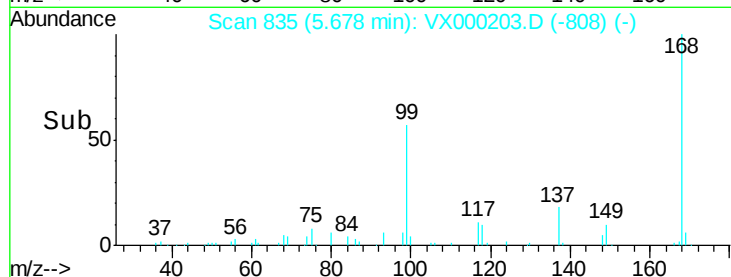
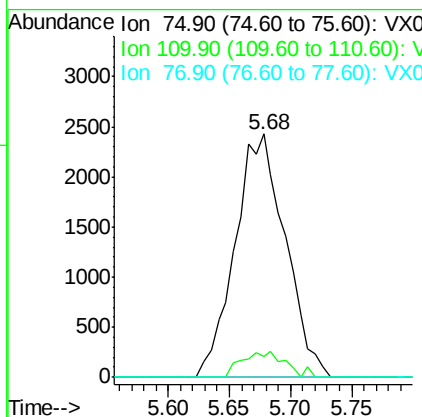
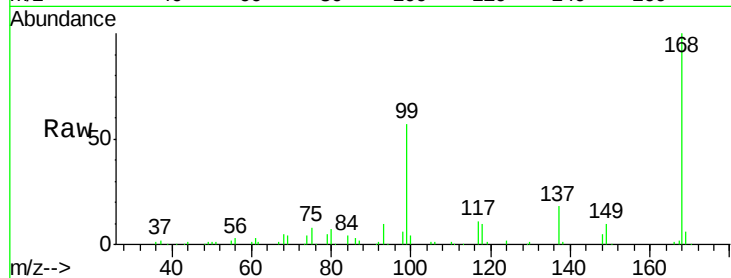




#36
 1,1-Dichloropropene
 Concen: 5.43 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000203.D
 Acq: 02 Mar 2018 20:16

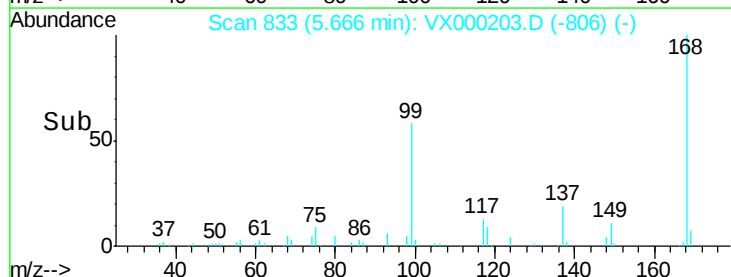
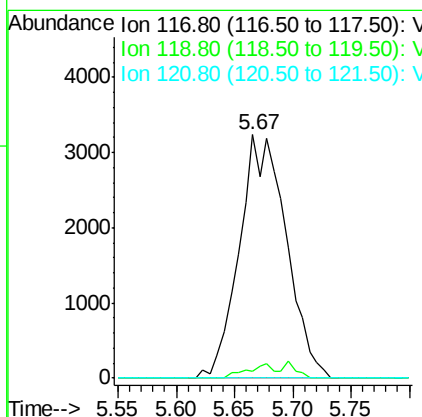
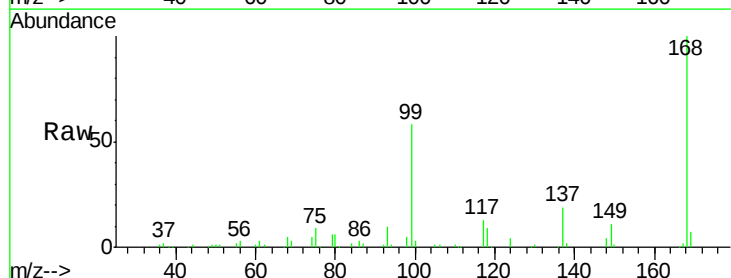
Instrument :
 MSVOA_X
 ClientSampleId :

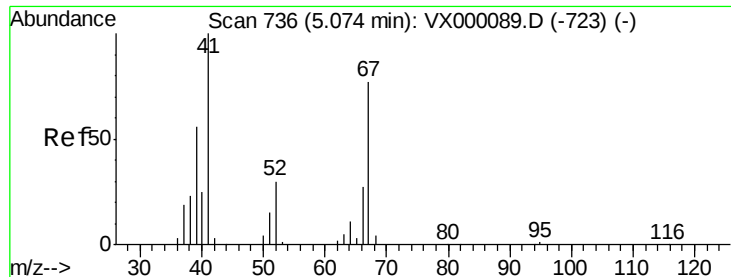
Tot Ion: 75 Resp: 6929
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.55 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX000203.D
 Acq: 02 Mar 2018 20:16

Tgt Ion: 117 Resp: 9027
 Ion Ratio Lower Upper
 117 100
 119 2.6 75.3 112.9#
 121 0.0 23.7 35.5#

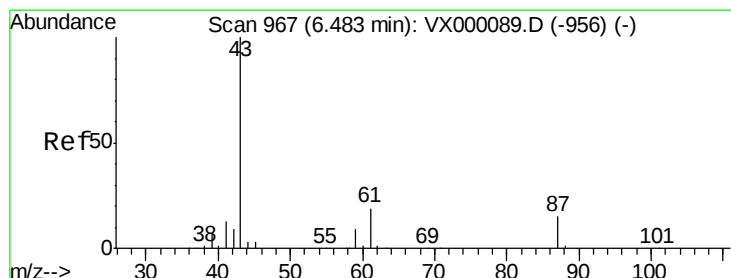
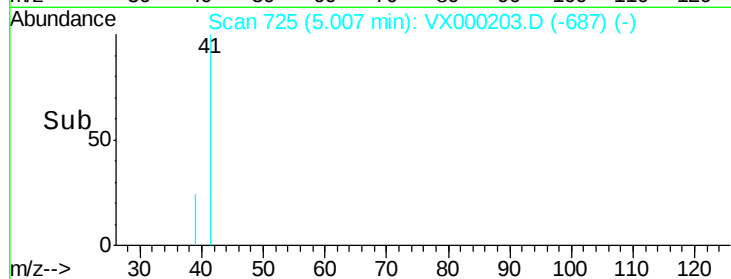
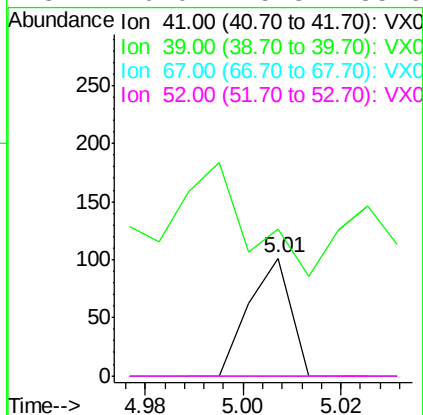
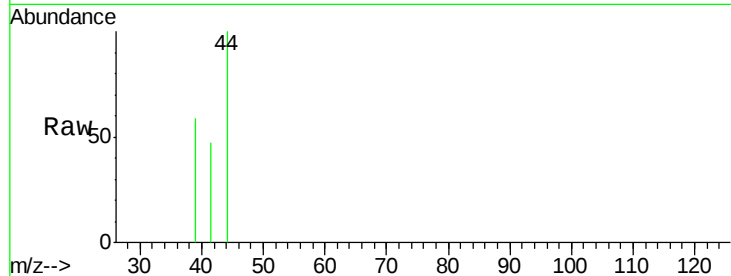




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.01 min Scan# 725
Delta R.T. -0.07 min
Lab File: VX000203.D
Acq: 02 Mar 2018 20:16

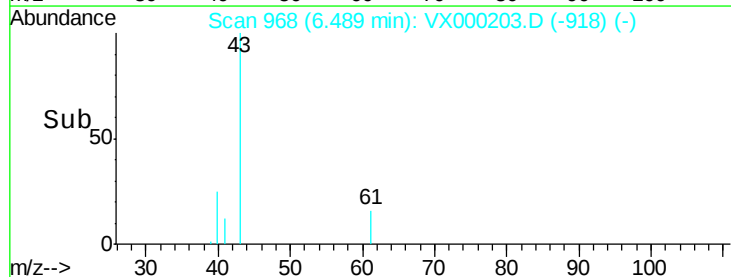
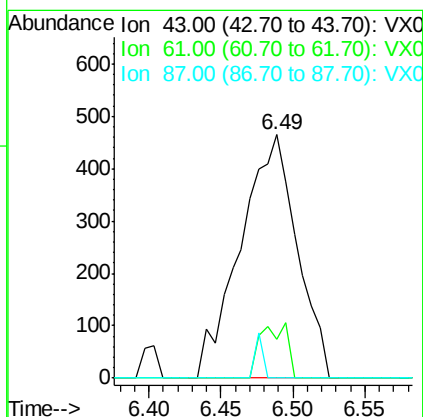
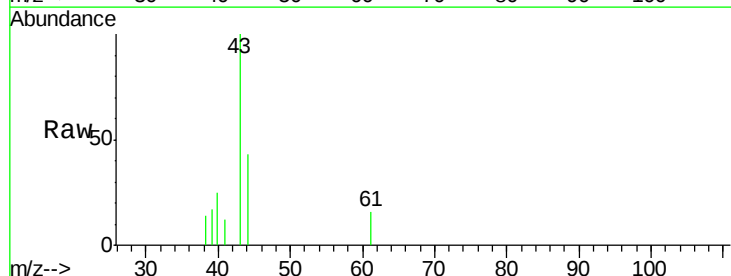
Instrument :
MSVOA_X
ClientSampled :

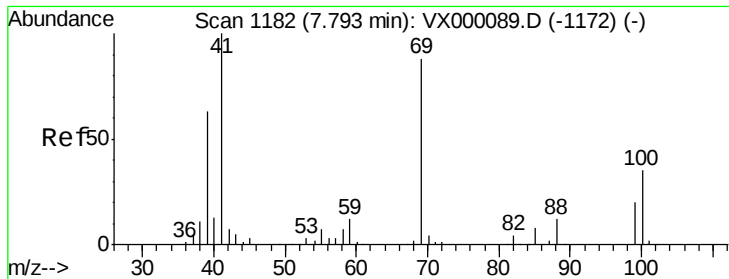
Tot Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 226.7 45.1 67.7#
67 0.0 61.0 91.4#
52 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 0.50 ug/l
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX000203.D
Acq: 02 Mar 2018 20:16

Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
61 10.4 15.6 23.4#
87 2.4 11.7 17.5#





#48

Methvl methacrylate

Concen: 0.21 ug/l

RT: 7.70 min Scan# 1167

Delta R.T. -0.09 min

Lab File: VX000203.D

Acq: 02 Mar 2018 20:16

Instrument :
MSVOA_X
ClientSampled :

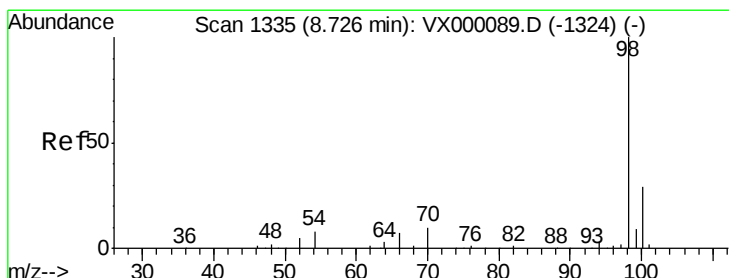
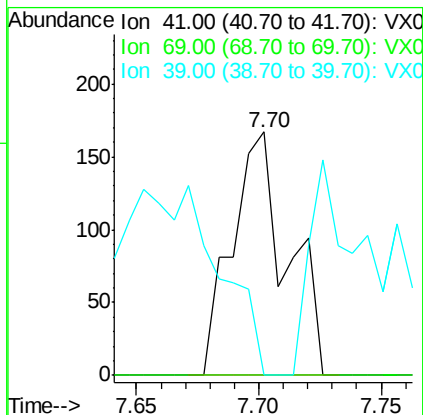
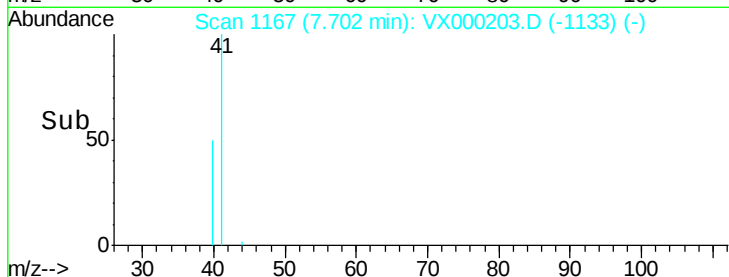
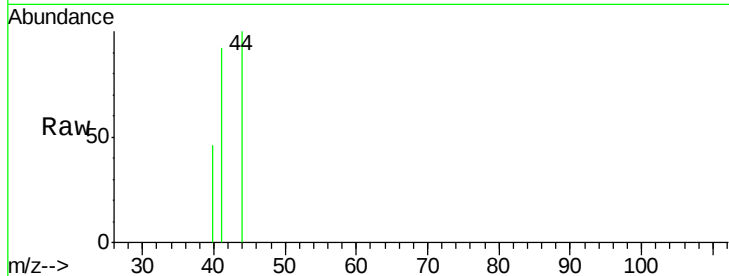
Tot Ion: 41 Resp: 262

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

39 0.0 51.0 76.6#



#50

Toluene-d8

Concen: 48.62 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000203.D

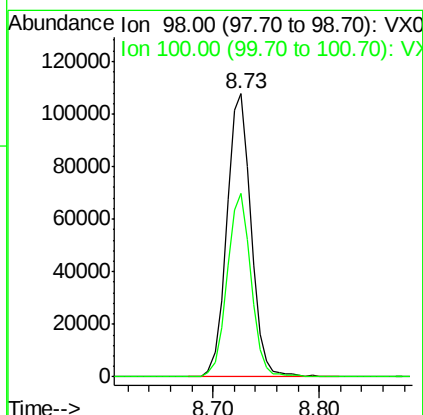
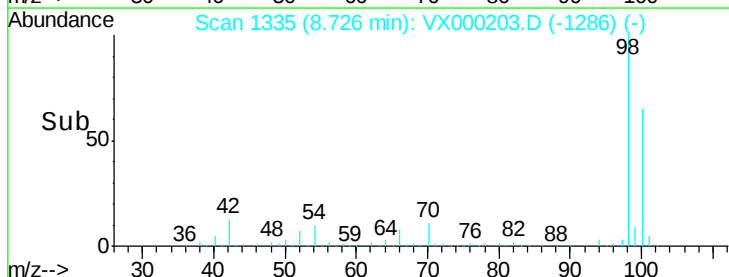
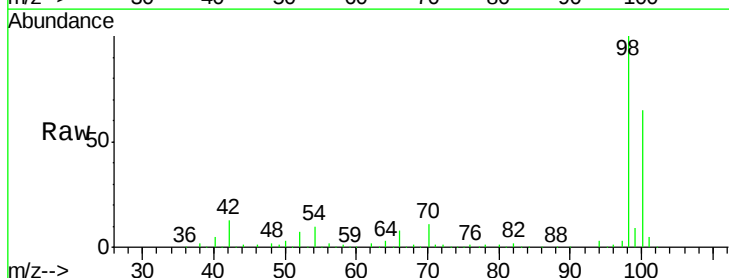
Acq: 02 Mar 2018 20:16

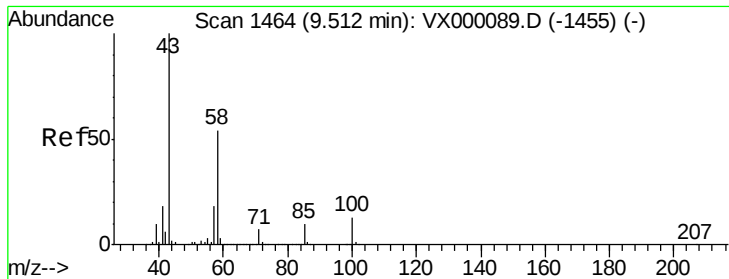
Tgt Ion: 98 Resp: 172061

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.2

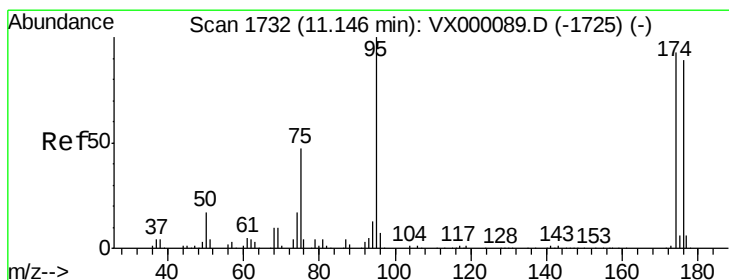
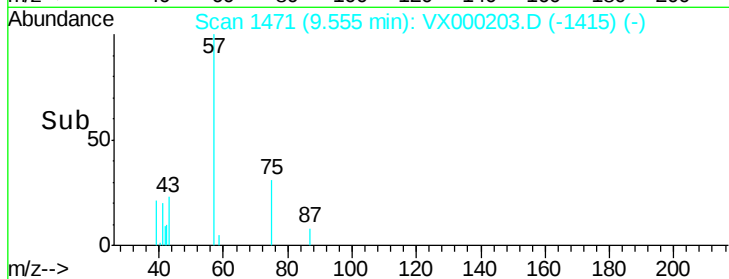
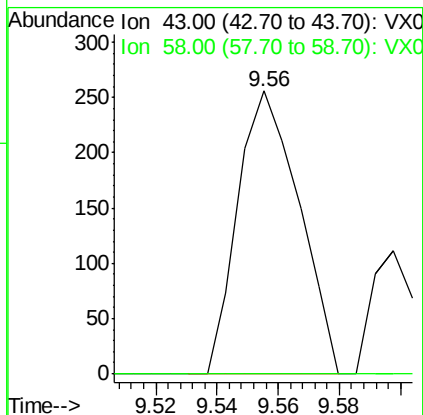
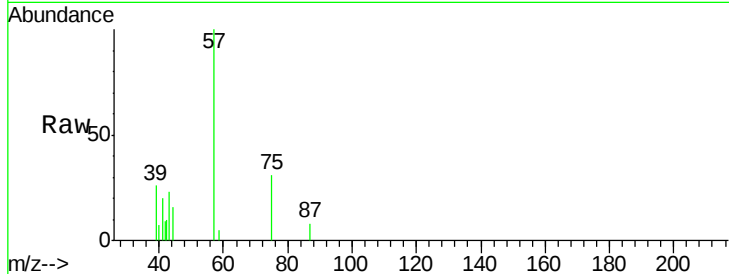




#59
2-Hexanone
Concen: 0.23 ug/l
RT: 9.56 min Scan# 1471
Delta R.T. 0.04 min
Lab File: VX000203.D
Acq: 02 Mar 2018 20:16

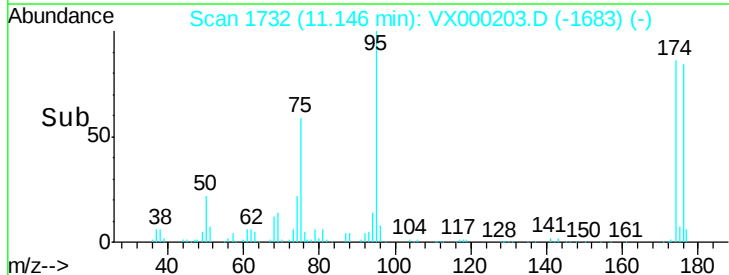
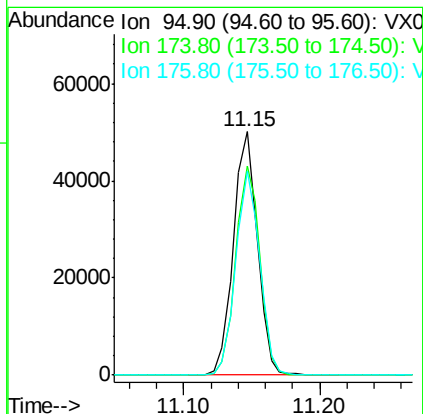
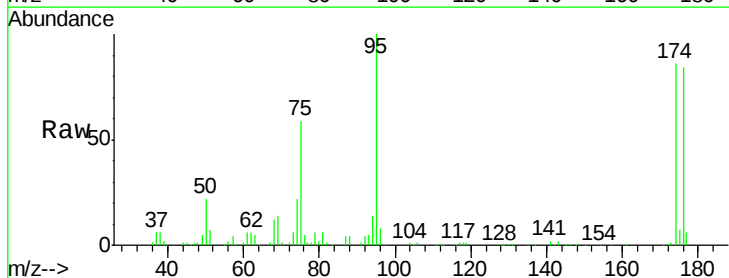
Instrument :
MSVOA_X
ClientSampleId :

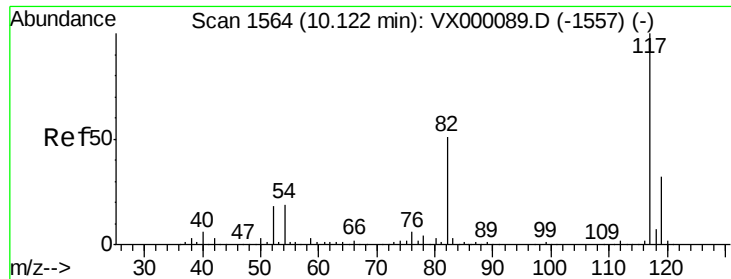
Tot Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 44.37 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000203.D
Acq: 02 Mar 2018 20:16

Tgt Ion: 95 Resp: 61558
Ion Ratio Lower Upper
95 100
174 86.5 0.0 187.8
176 83.5 0.0 181.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000203.D

Acq: 02 Mar 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

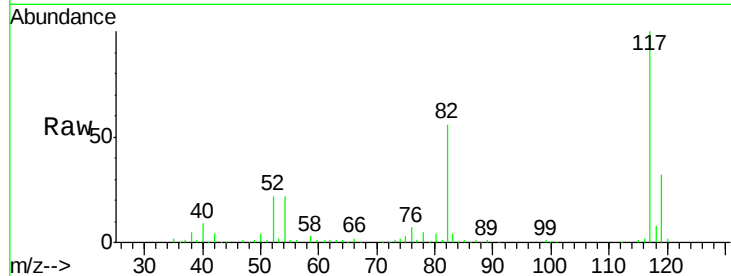
Tot Ion:117 Resp: 134296

Ion Ratio Lower Upper

117 100

82 56.2 41.0 61.6

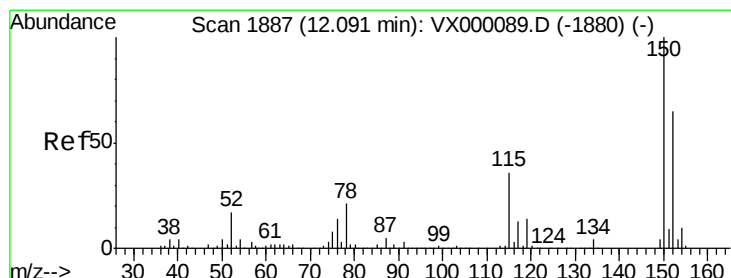
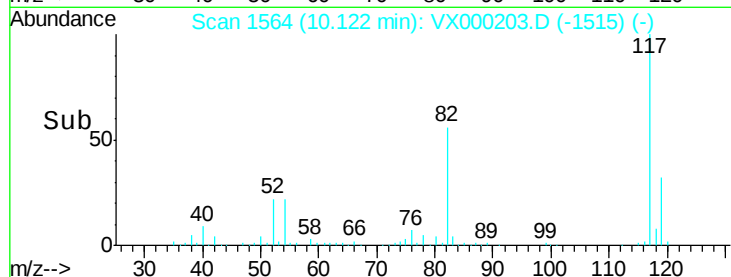
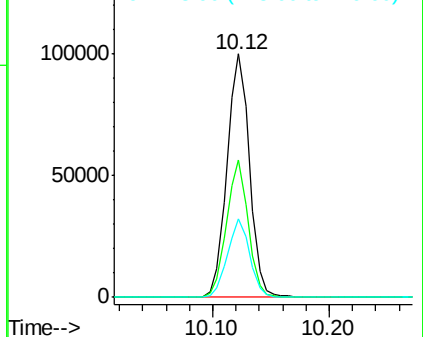
119 32.1 25.5 38.3



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000203.D

Acq: 02 Mar 2018 20:16

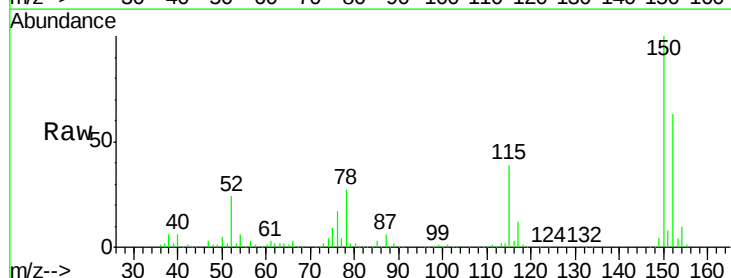
Tgt Ion:152 Resp: 70389

Ion Ratio Lower Upper

152 100

115 58.4 39.1 117.2

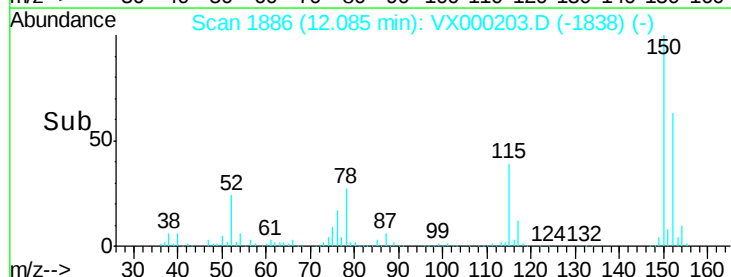
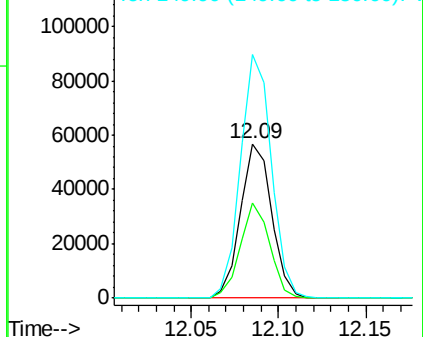
150 156.8 0.0 348.2

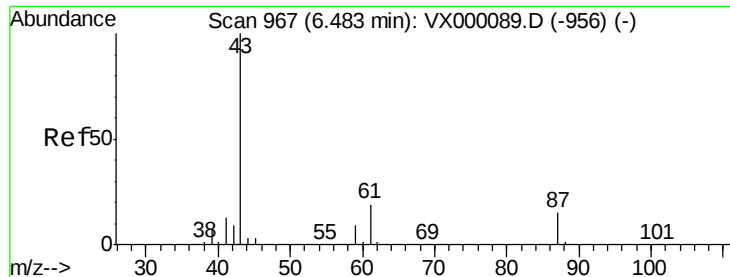


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.56 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000203.D

Acq: 02 Mar 2018 20:16

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1271

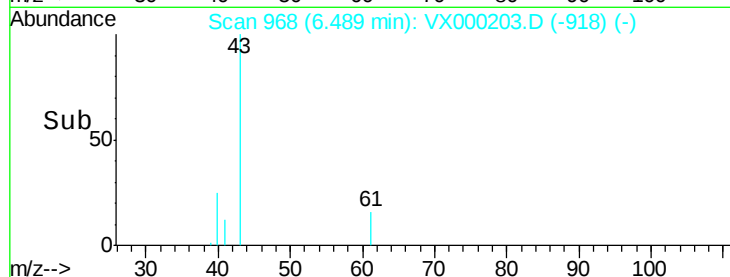
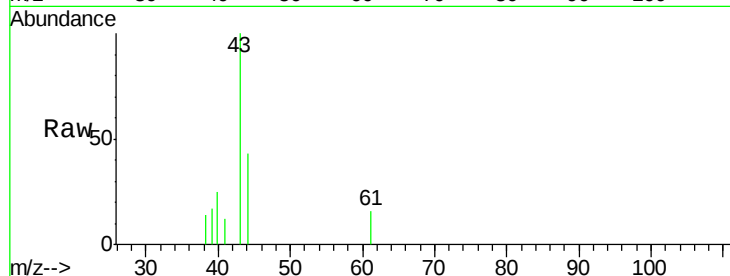
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 10.4 15.6 23.4#

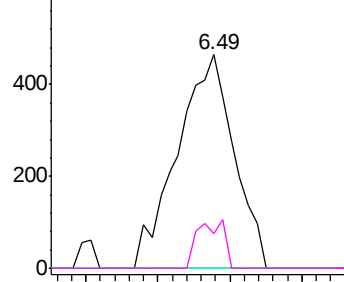


Abundance Ion 43.00 (42.70 to 43.70): VX0

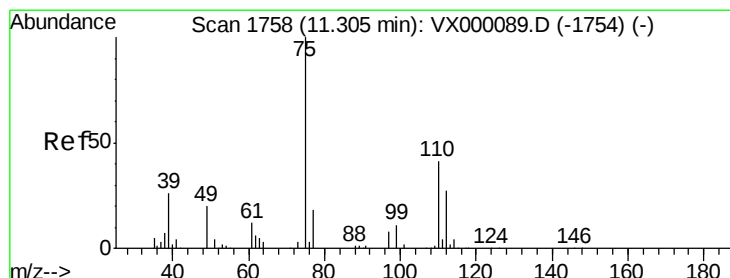
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 24.74 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000203.D

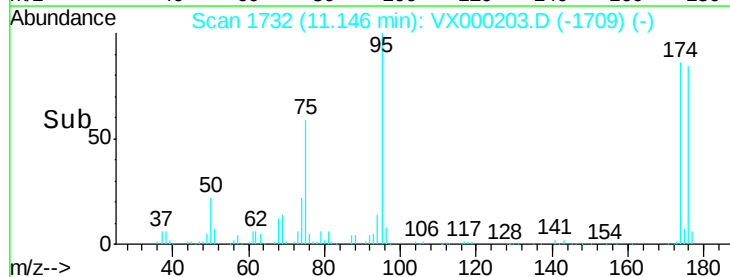
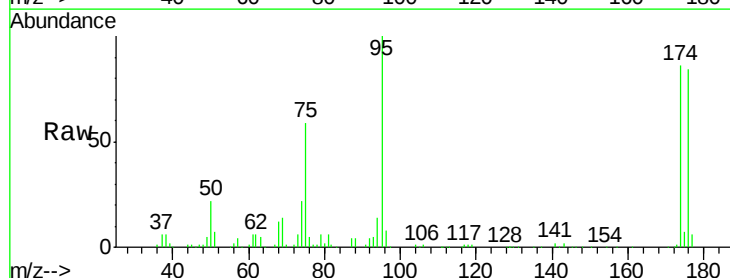
Acq: 02 Mar 2018 20:16

Tgt Ion: 75 Resp: 36073

Ion Ratio Lower Upper

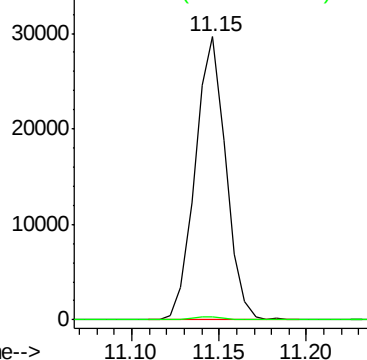
75 100

77 1.1 22.8 68.3#

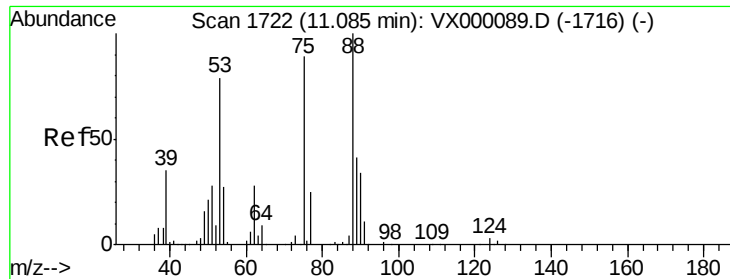


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 70.46 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000203.D

Acq: 02 Mar 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

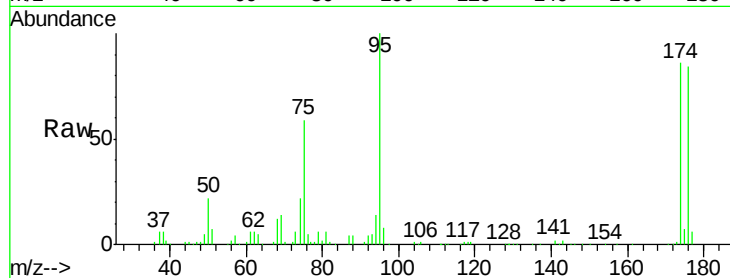
Tot Ion: 75 Resp: 36073

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

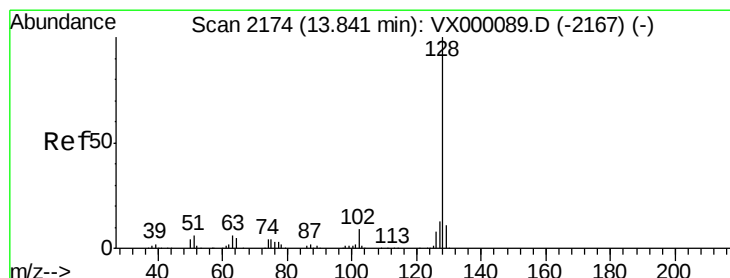
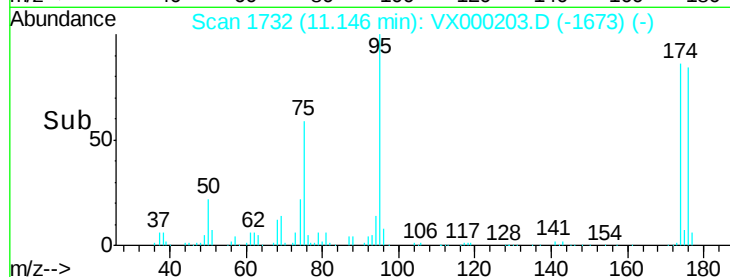
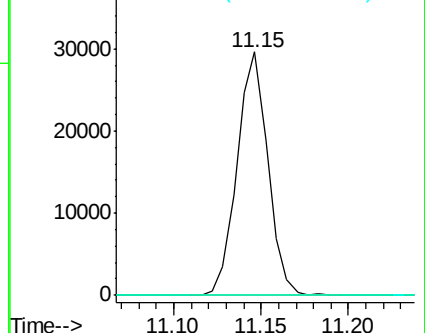
89 0.0 40.6 60.8#



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



#95

Naphthalene

Concen: 5.74 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000203.D

Acq: 02 Mar 2018 20:16

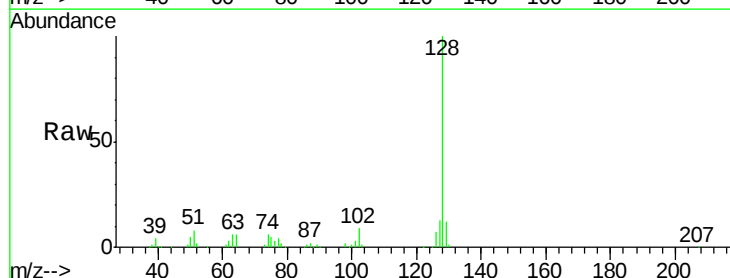
Tgt Ion: 128 Resp: 33359

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

