

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001193.D
 Acq On : 28 Apr 2018 01:51
 Operator : JC/MD
 Sample : J2464-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB09-180417

Quant Time: Apr 28 03:17:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	204956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	277084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	247886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	145008	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	155389	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	5.51	113	122507	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
50) Toluene-d8	8.72	98	468174	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	
62) 4-Bromofluorobenzene	11.14	95	160069	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

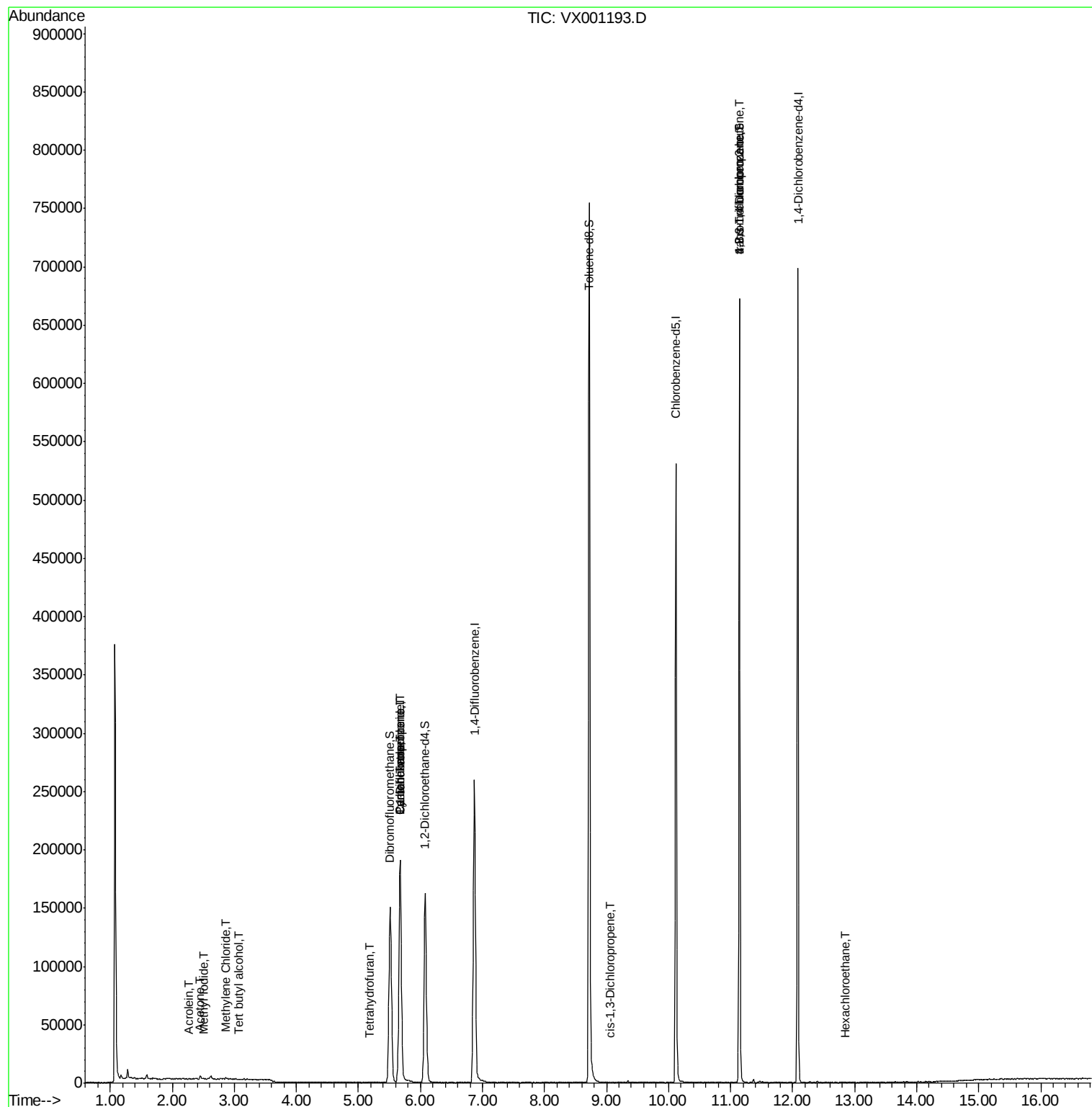
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	456	Below Cal	#	58
10) Methyl Iodide	2.51	142	109	7.281	ug/l #	41
11) Tert butyl alcohol	3.06	59	195	0.311	ug/l #	71
13) Acrolein	2.26	56	76	0.321	ug/l #	32
16) Acetone	2.45	43	3024	2.315	ug/l	97
20) Methylene Chloride	2.86	84	493	0.203	ug/l #	82
29) Tetrahydrofuran	5.17	42	417	0.332	ug/l #	38
31) Cyclohexane	5.67	56	3677	1.089	ug/l #	14
36) 1,1-Dichloropropene	5.67	75	12791	4.189	ug/l #	49
38) Carbon Tetrachloride	5.67	117	17341	5.539	ug/l #	15
54) cis-1,3-Dichloropropene	9.06	75	32	3.195	ug/l #	32
76) 1,2,3-Trichloropropane	11.14	75	81864	27.725	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	81864	84.214	ug/l #	6
90) Hexachloroethane	12.85	117	26	3.394	ug/l #	1

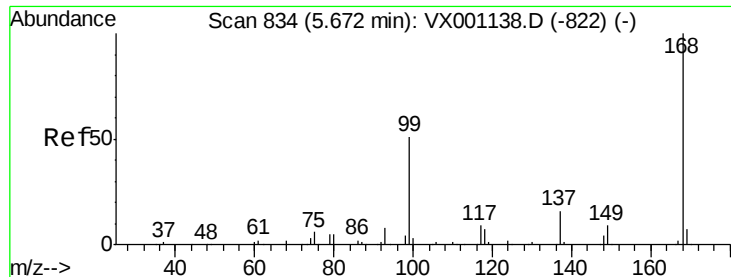
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001193.D

Acq: 28 Apr 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

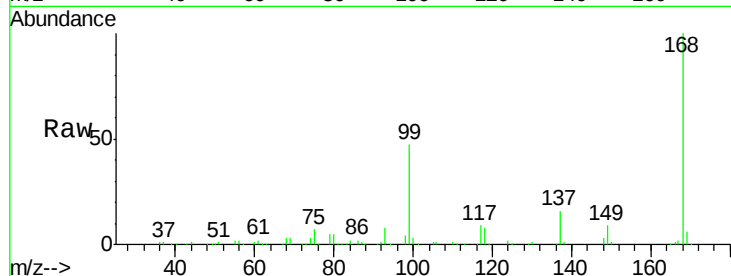
Z1TB09-180417

Tgt Ion:168 Resp: 204956

Ion Ratio Lower Upper

168 100

99 47.3 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

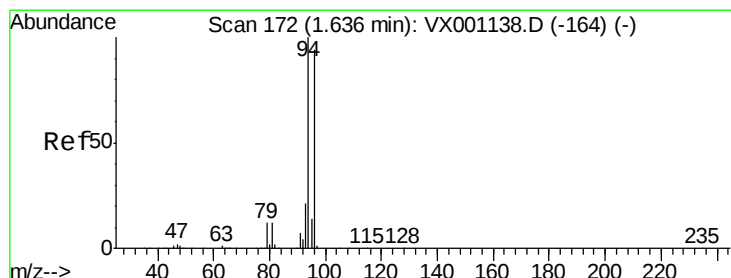
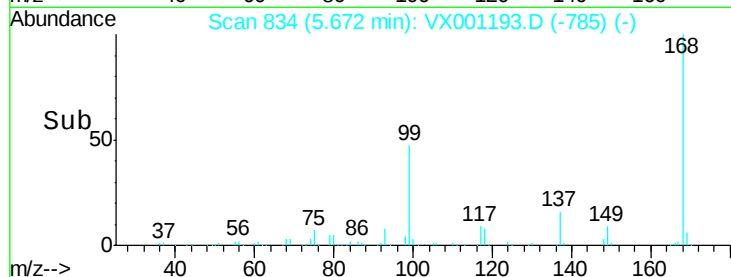
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001193.D

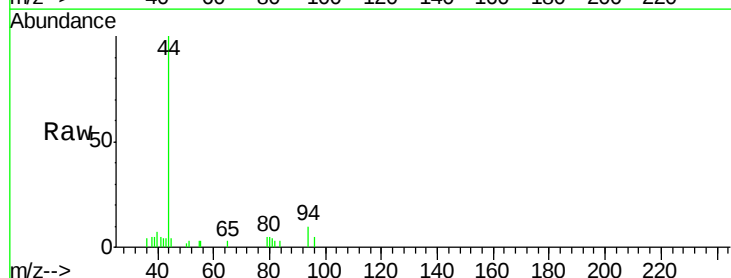
Acq: 28 Apr 2018 01:51

Tgt Ion: 94 Resp: 456

Ion Ratio Lower Upper

94 100

96 53.1 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

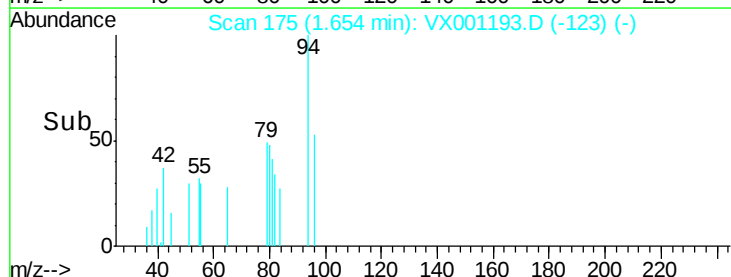
100

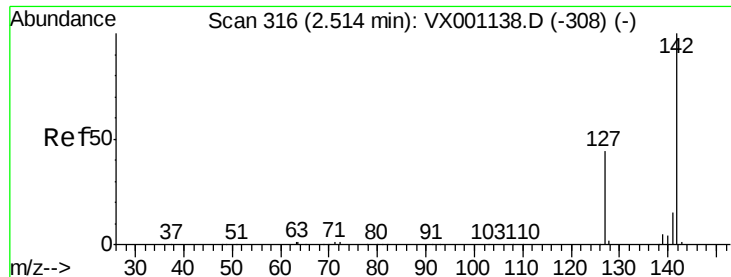
50

0

Time-->

1.65 1.70

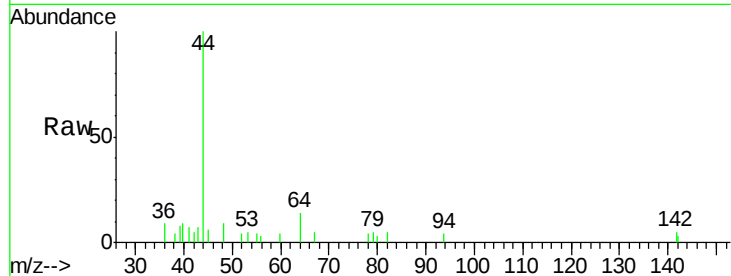




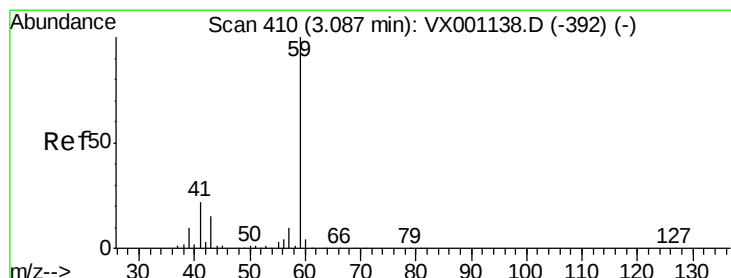
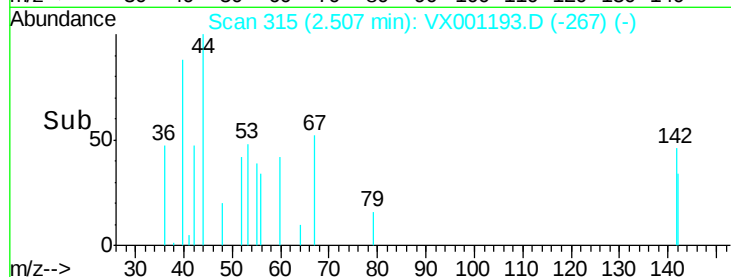
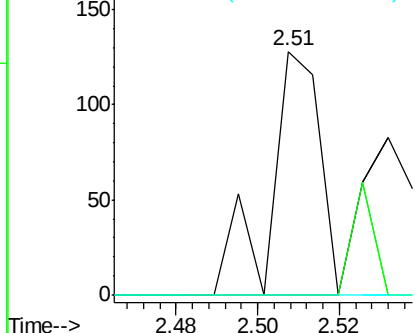
#10
Methyl Iodide
Concen: 7.281 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX001193.D
Acq: 28 Apr 2018 01:51

Instrument :
MSVOA_X
ClientSampleId :
Z1TB09-180417

Tgt Ion: 142 Resp: 109
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.6 17.4#

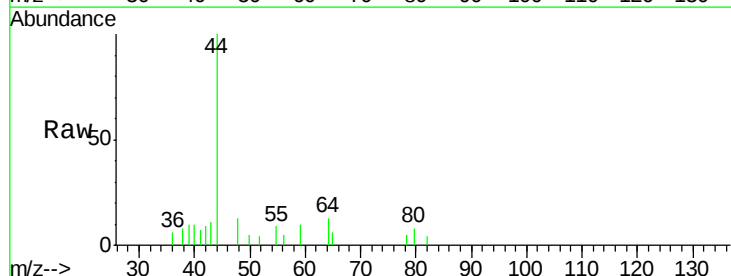


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

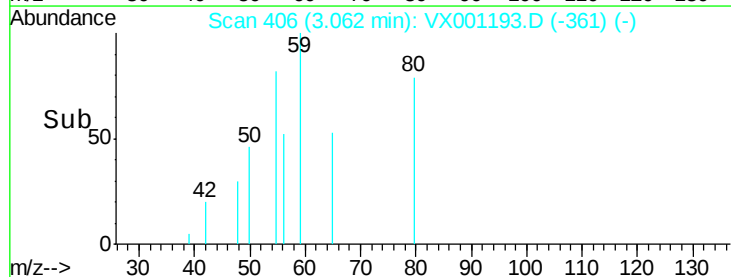
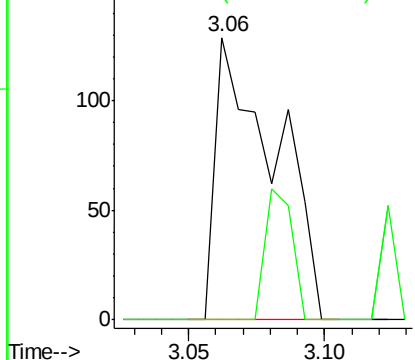


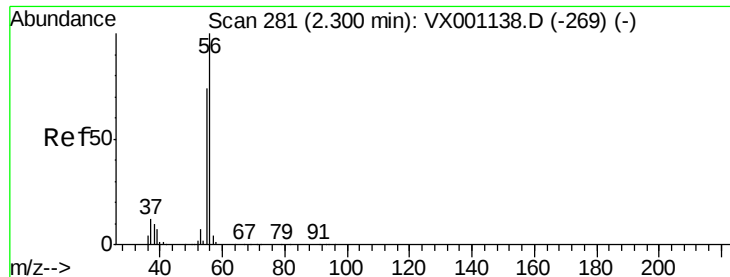
#11
Tert butyl alcohol
Concen: 0.311 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX001193.D
Acq: 28 Apr 2018 01:51

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 21.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.321 ug/l

RT: 2.26 min Scan# 275

Delta R.T. -0.04 min

Lab File: VX001193.D

Acq: 28 Apr 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

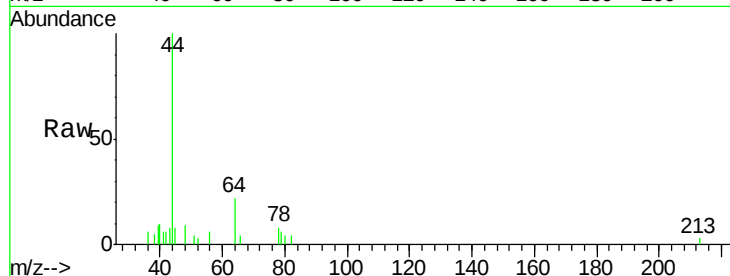
Z1TB09-180417

Tgt Ion: 56 Resp: 76

Ion Ratio Lower Upper

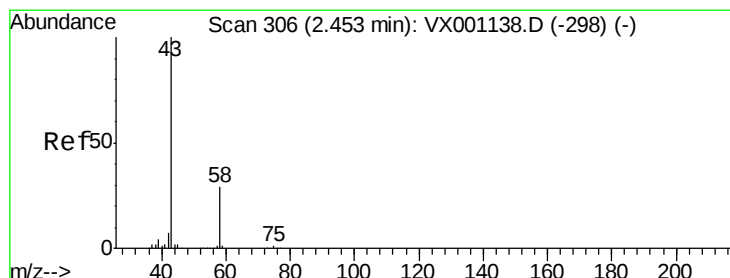
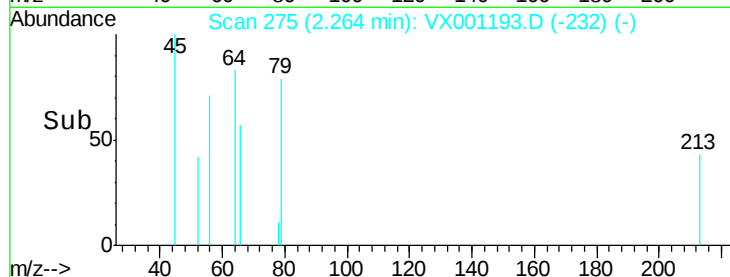
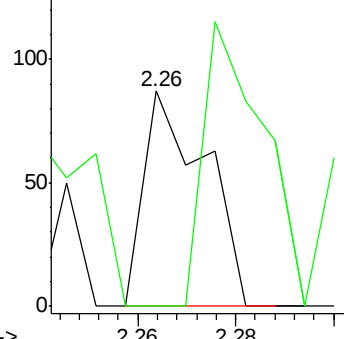
56 100

55 127.6 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.315 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001193.D

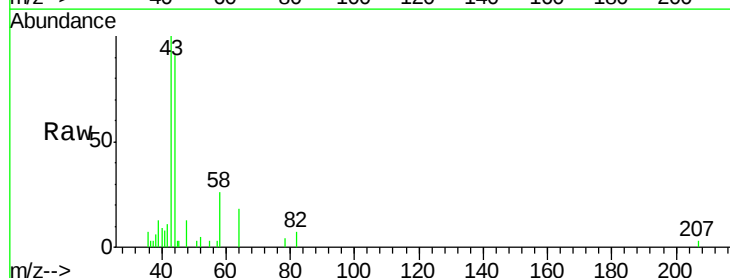
Acq: 28 Apr 2018 01:51

Tgt Ion: 43 Resp: 3024

Ion Ratio Lower Upper

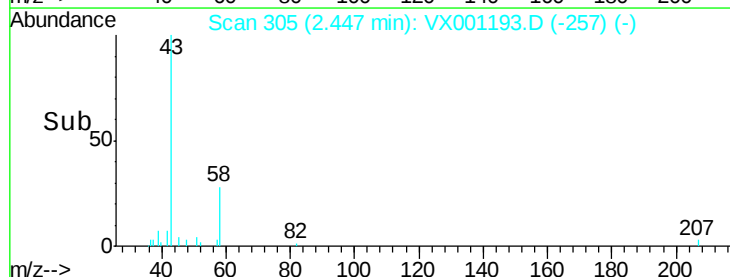
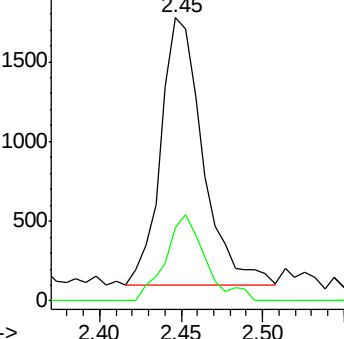
43 100

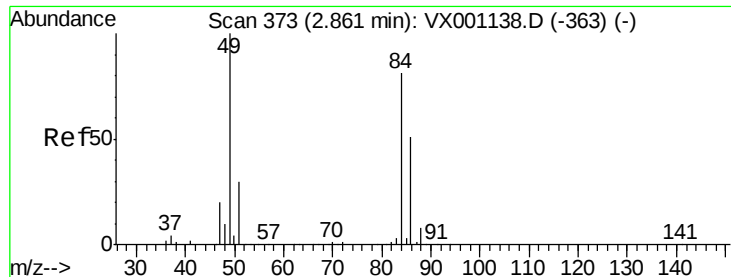
58 27.3 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

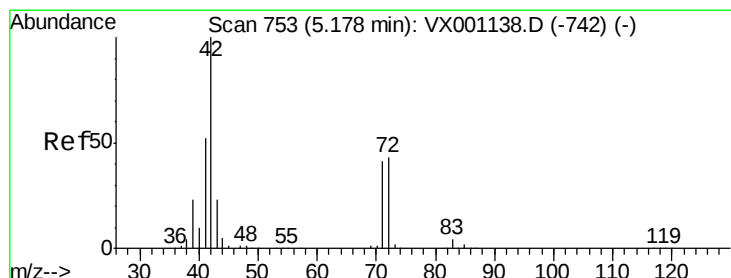
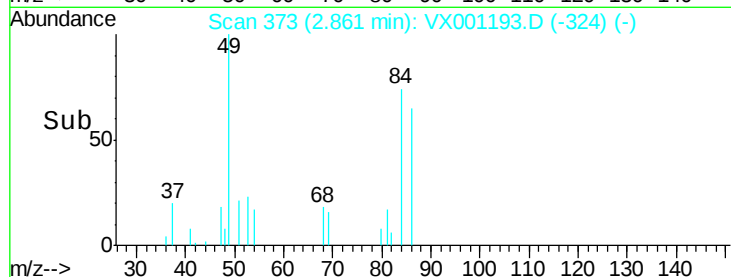
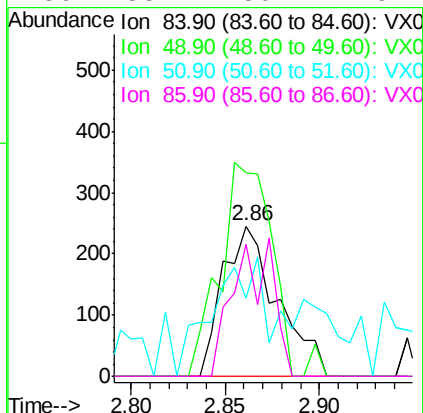
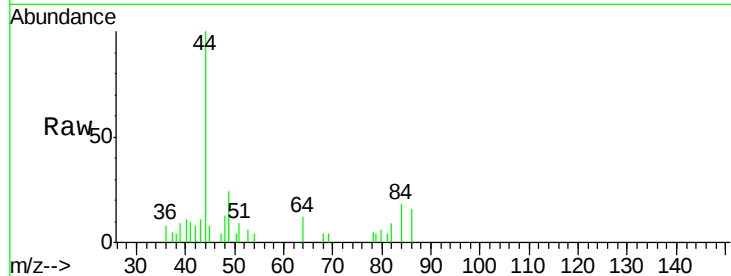




#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001193.D
Acq: 28 Apr 2018 01:51

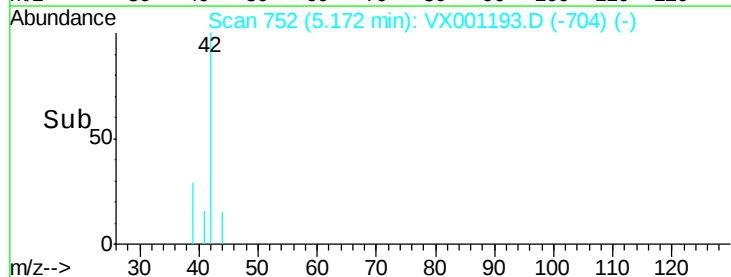
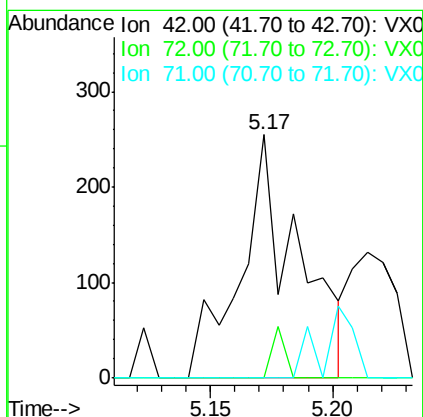
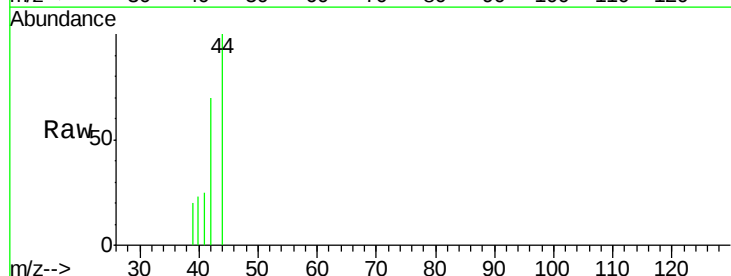
Instrument :
MSVOA_X
ClientSampleId :
Z1TB09-180417

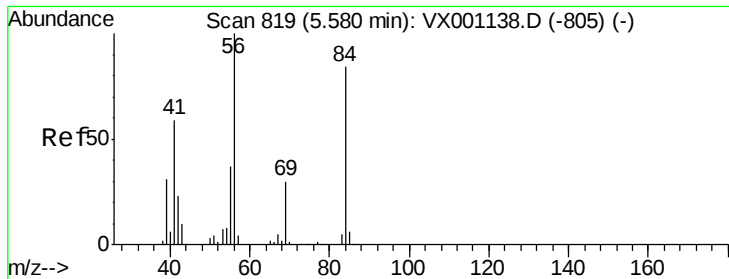
Tgt Ion: 84 Resp: 493
Ion Ratio Lower Upper
84 100
49 135.9 99.2 148.8
51 25.3 29.5 44.3#
86 88.2 50.2 75.2#



#29
Tetrahydrofuran
Concen: 0.332 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001193.D
Acq: 28 Apr 2018 01:51

Tgt Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 4.8 34.4 51.6#
71 0.0 32.1 48.1#

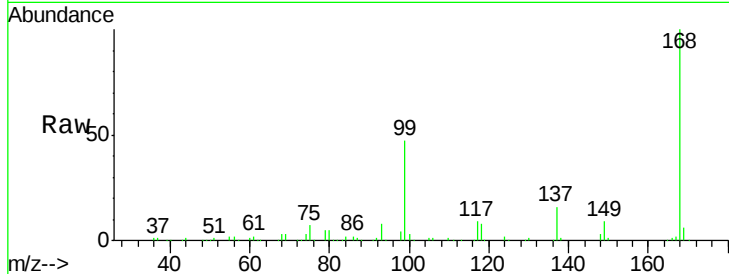




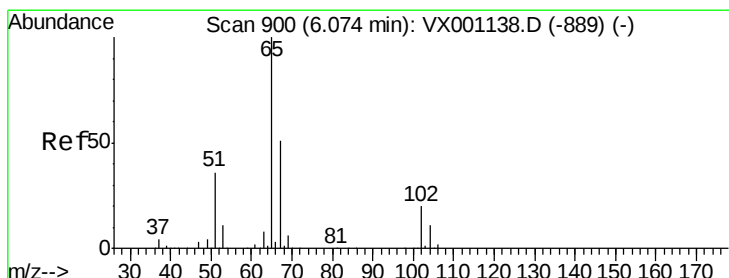
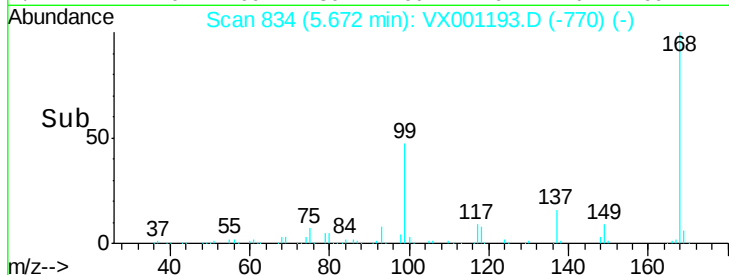
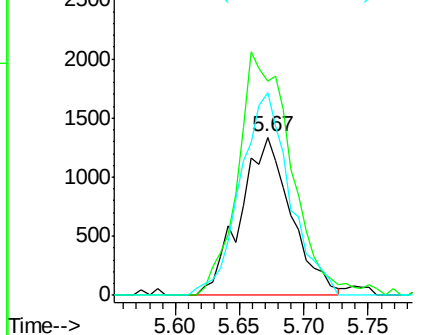
#31
Cyclohexane
Concen: 1.089 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001193.D
Acq: 28 Apr 2018 01:51

Instrument :
MSVOA_X
ClientSampleId :
Z1TB09-180417

Tgt Ion: 56 Resp: 3677
Ion Ratio Lower Upper
56 100
69 135.2 24.2 36.2#
84 128.0 67.5 101.3#

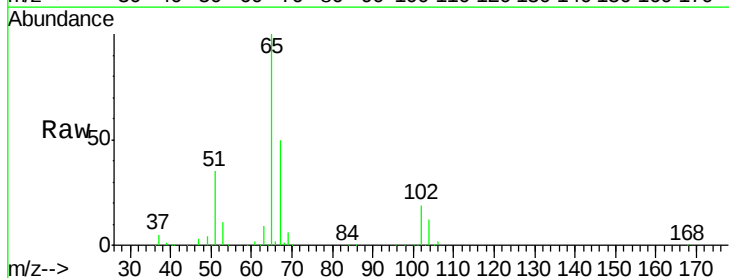


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

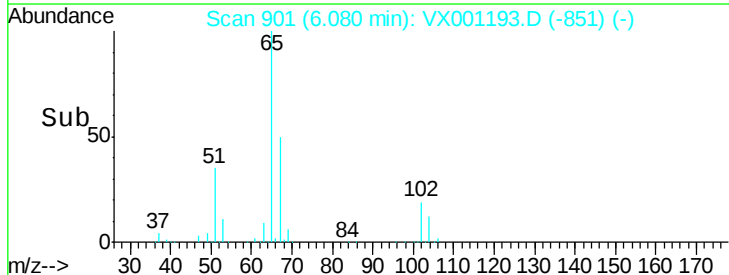
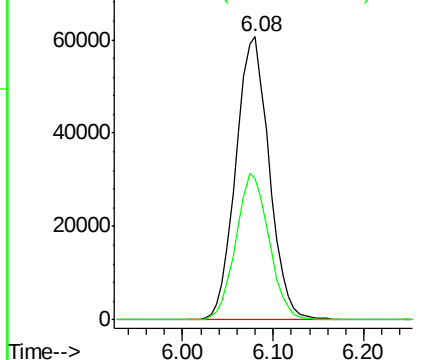


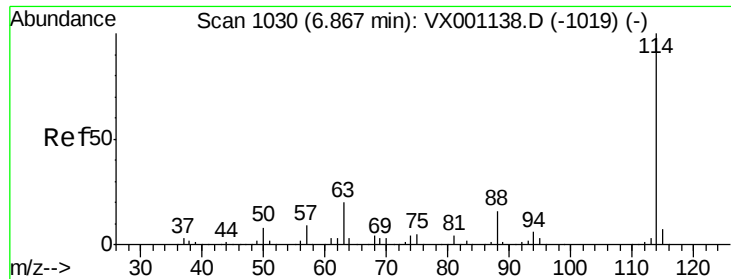
#33
1,2-Dichloroethane-d4
Concen: 48.910 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001193.D
Acq: 28 Apr 2018 01:51

Tgt Ion: 65 Resp: 155389
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.2



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

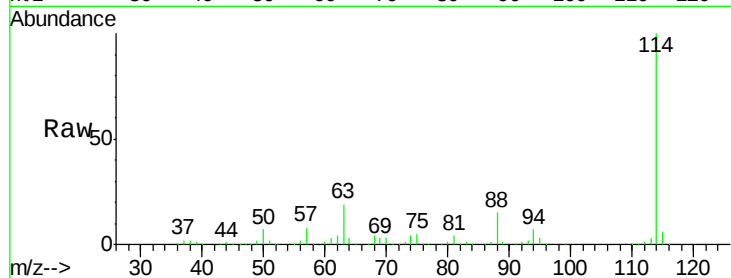




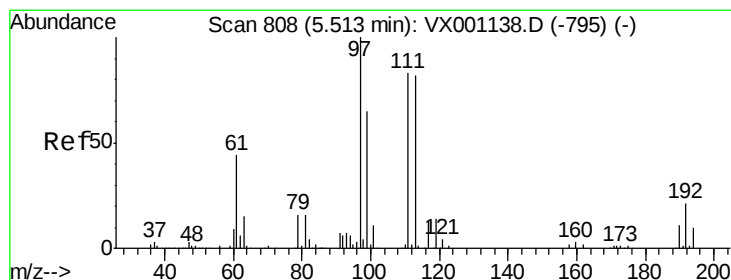
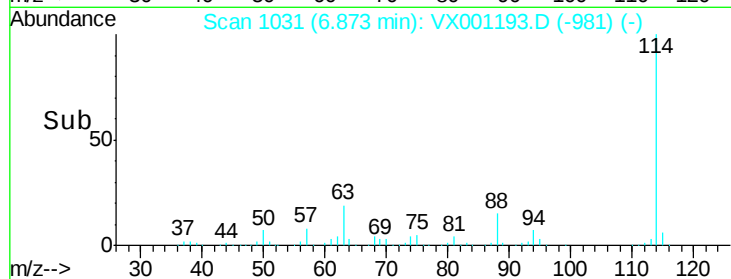
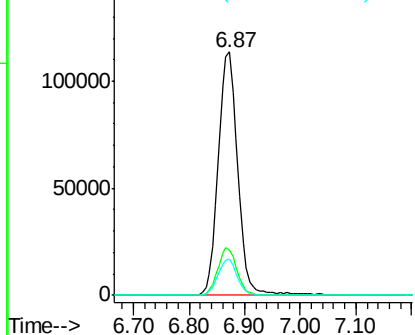
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001193.D
 Acq: 28 Apr 2018 01:51

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB09-180417

Tgt Ion:114 Resp: 277084
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 40.4
 88 14.9 0.0 31.8

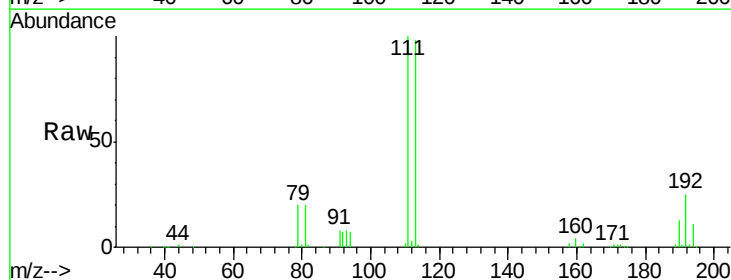


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

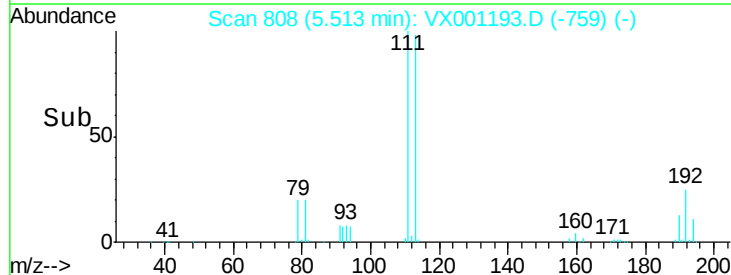
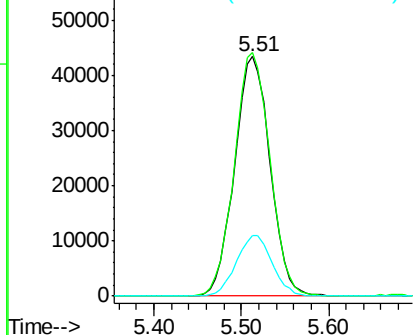


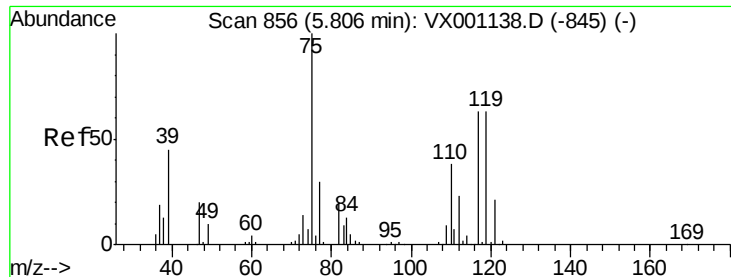
#35
 Dibromofluoromethane
 Concen: 53.417 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001193.D
 Acq: 28 Apr 2018 01:51

Tgt Ion:113 Resp: 122507
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 25.6 20.6 30.8



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: 4.189 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001193.D

Acq: 28 Apr 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

Z1TB09-180417

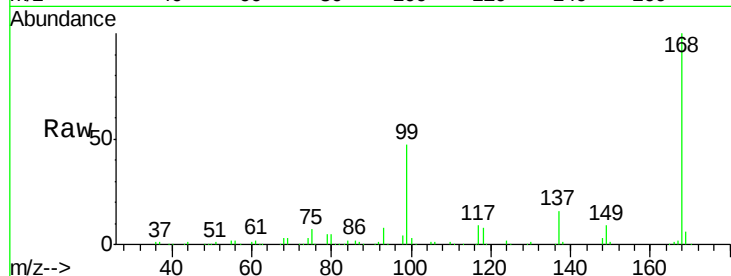
Tgt Ion: 75 Resp: 12791

Ion Ratio Lower Upper

75 100

110 10.0 19.0 57.0#

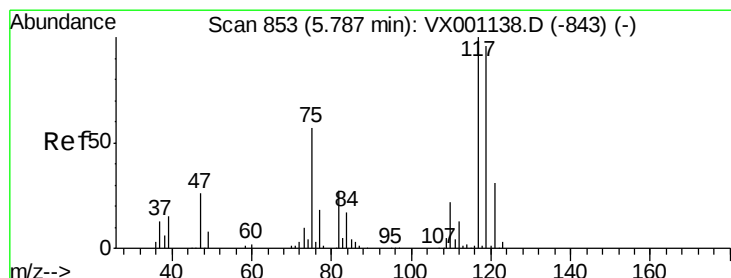
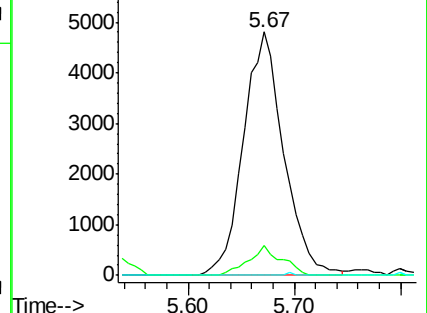
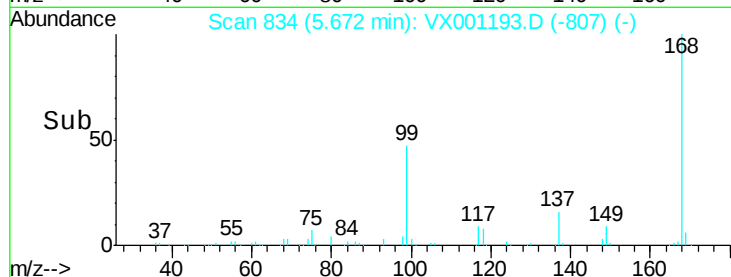
77 0.0 24.8 37.2#



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: 5.539 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001193.D

Acq: 28 Apr 2018 01:51

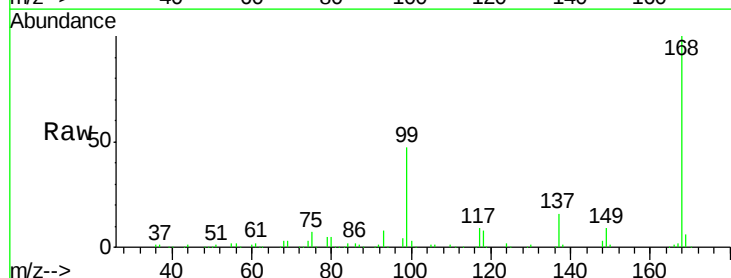
Tgt Ion: 117 Resp: 17341

Ion Ratio Lower Upper

117 100

119 4.1 76.5 114.7#

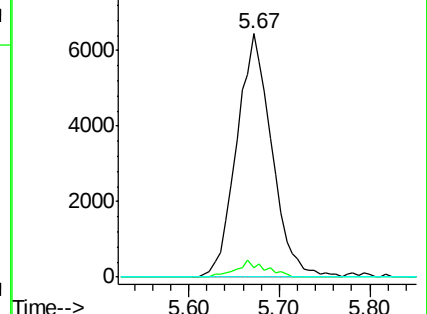
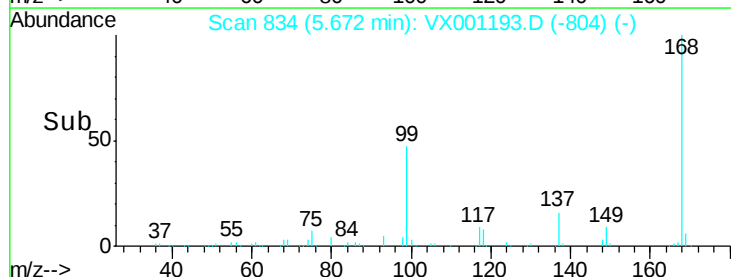
121 0.0 24.6 37.0#

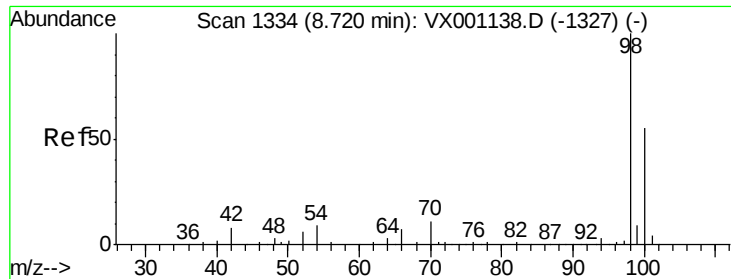


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.093 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001193.D

Acq: 28 Apr 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

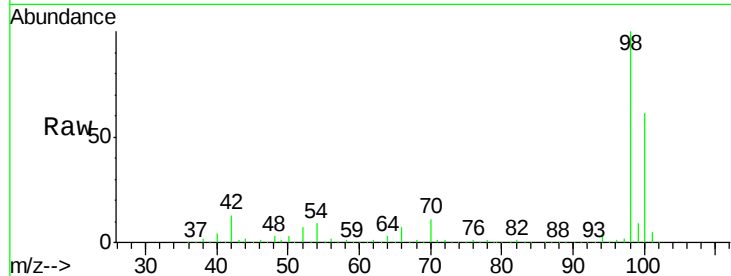
Z1TB09-180417

Tgt Ion: 98 Resp: 468174

Ion Ratio Lower Upper

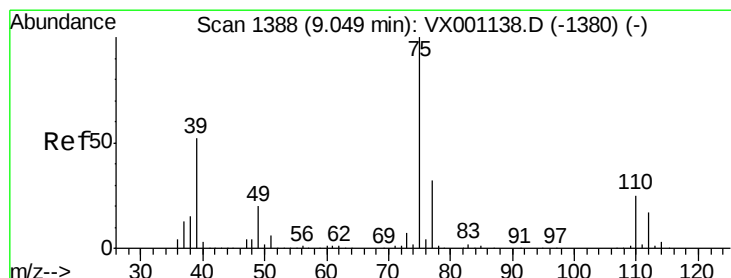
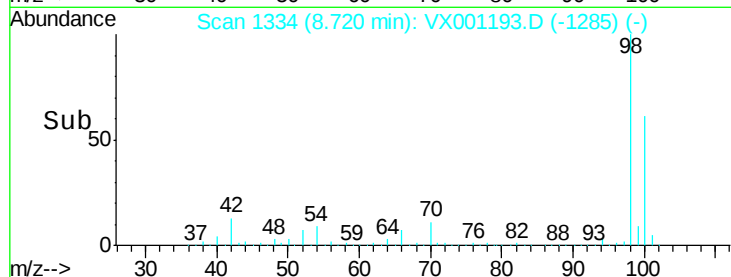
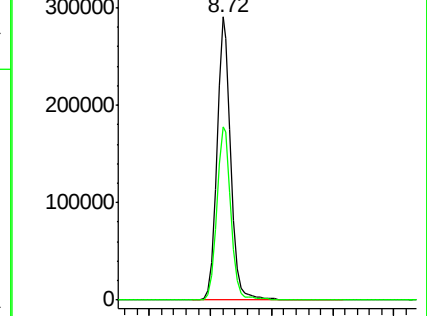
98 100

100 63.0 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#54

cis-1,3-Dichloropropene

Concen: 3.195 ug/l

RT: 9.06 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VX001193.D

Acq: 28 Apr 2018 01:51

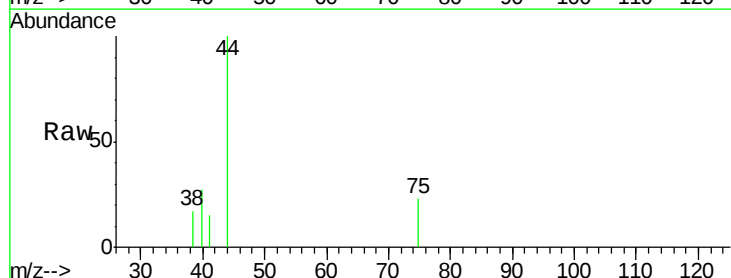
Tgt Ion: 75 Resp: 32

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

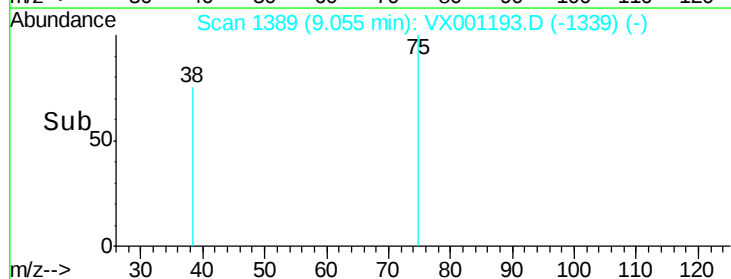
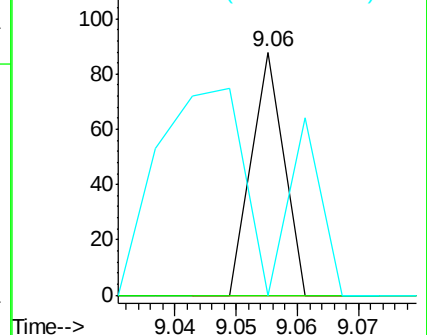
39 0.0 42.0 63.0#

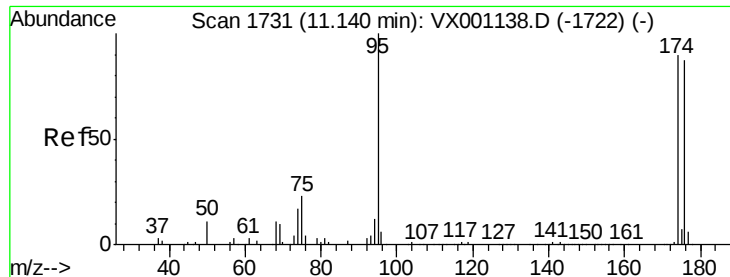


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

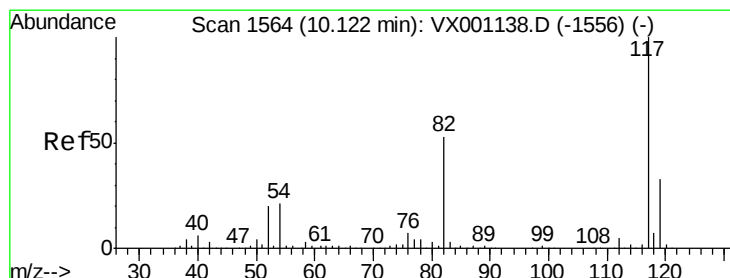
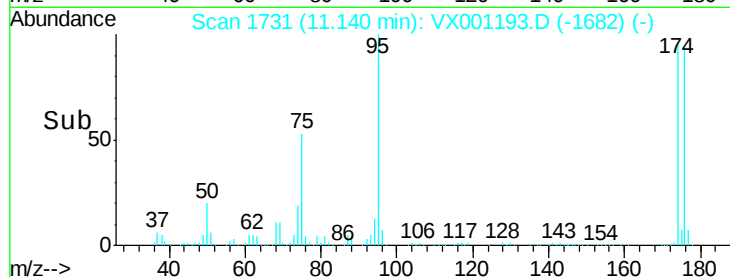
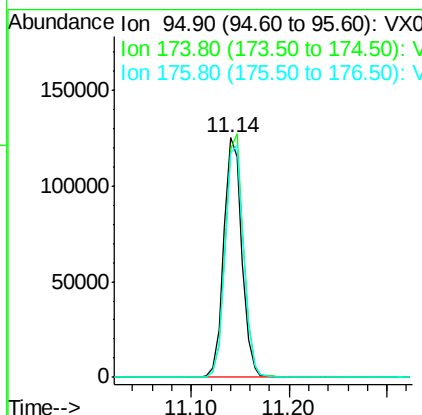
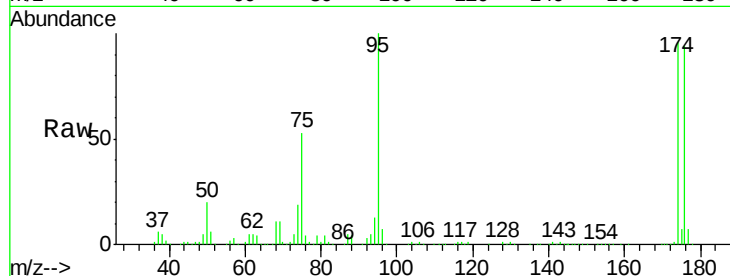




#62
4-Bromofluorobenzene
Concen: 47.343 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001193.D
Acq: 28 Apr 2018 01:51

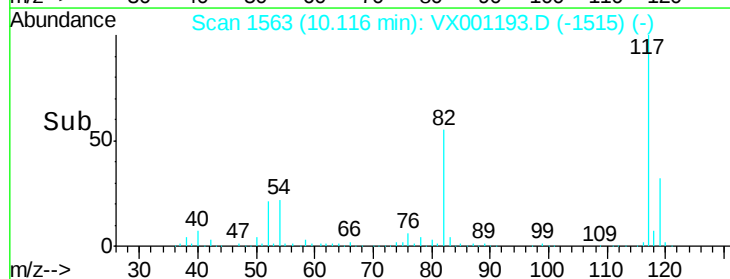
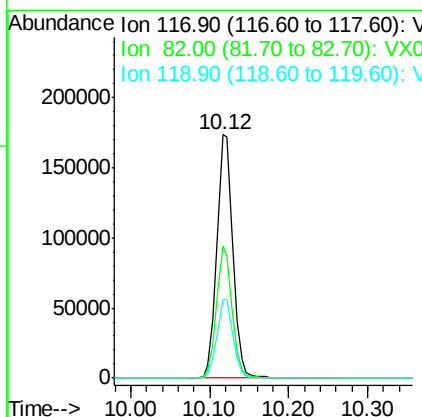
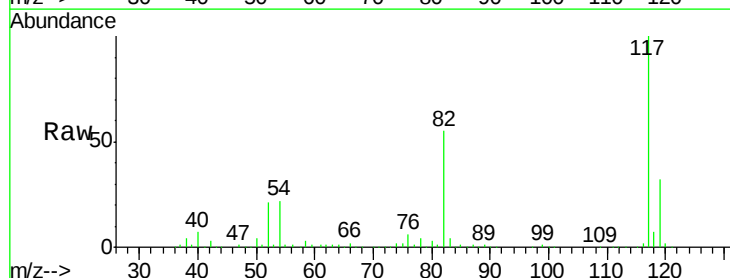
Instrument :
MSVOA_X
ClientSampleId :
Z1TB09-180417

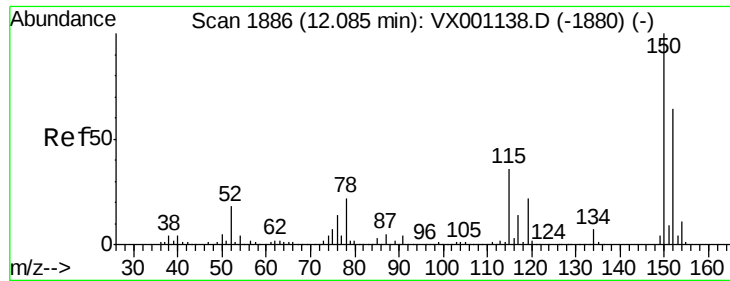
Tgt Ion: 95 Resp: 160069
Ion Ratio Lower Upper
95 100
174 102.0 0.0 194.4
176 99.2 0.0 190.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001193.D
Acq: 28 Apr 2018 01:51

Tgt Ion: 117 Resp: 247886
Ion Ratio Lower Upper
117 100
82 54.6 42.1 63.1
119 32.0 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001193.D

Acq: 28 Apr 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

Z1TB09-180417

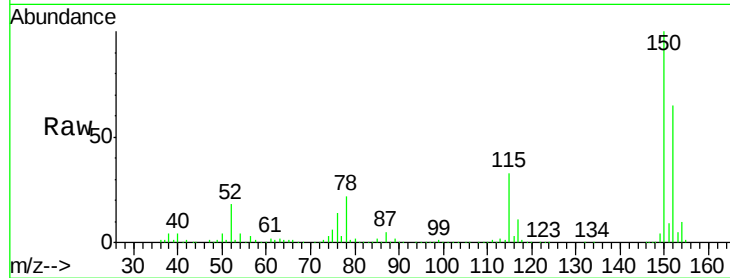
Tgt Ion:152 Resp: 145008

Ion Ratio Lower Upper

152 100

115 53.4 38.0 114.0

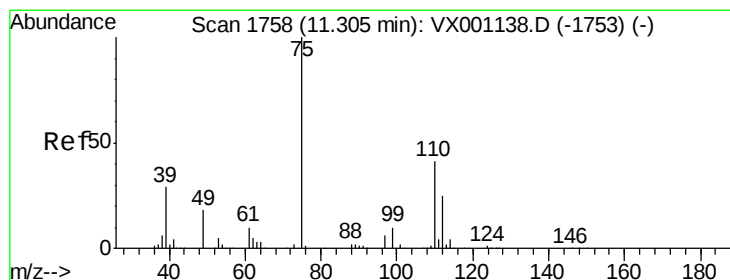
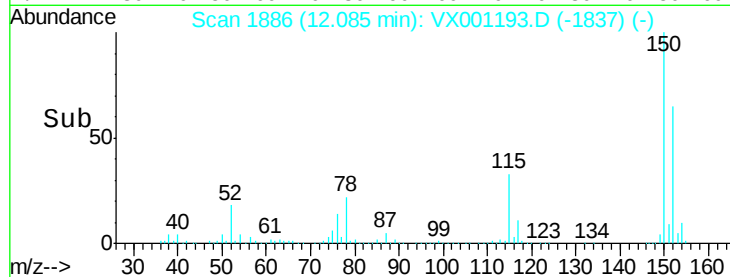
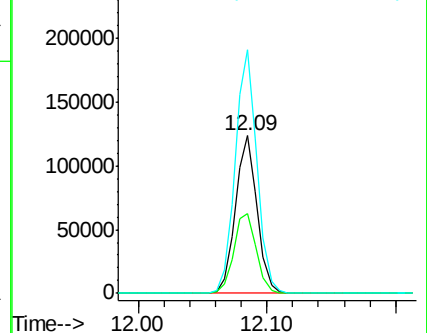
150 155.8 0.0 349.6



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: 27.725 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001193.D

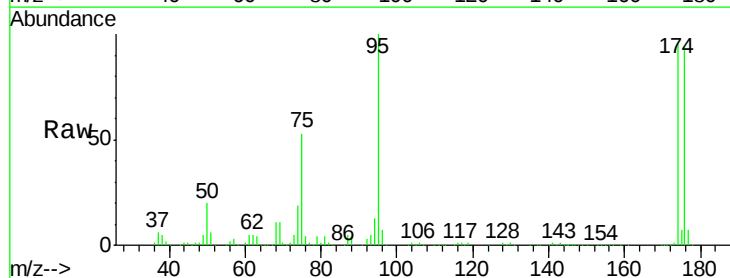
Acq: 28 Apr 2018 01:51

Tgt Ion: 75 Resp: 81864

Ion Ratio Lower Upper

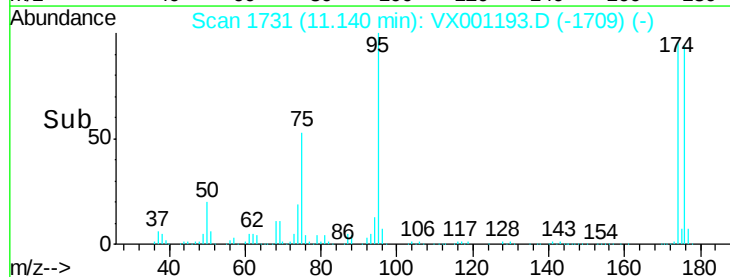
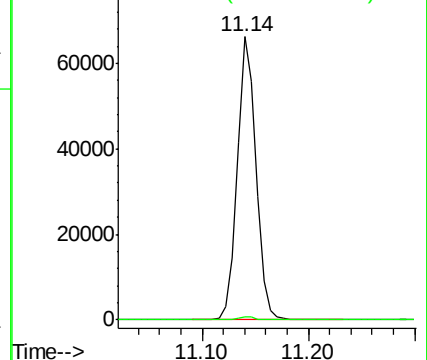
75 100

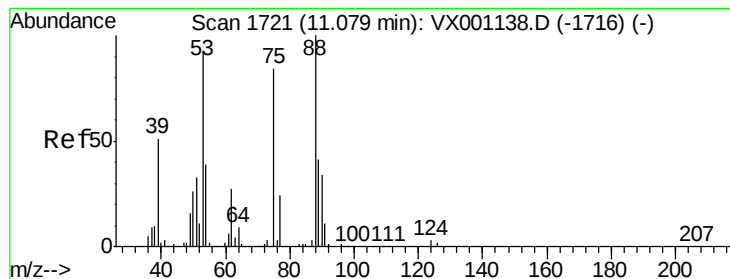
77 1.2 18.9 56.9#



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: 84.214 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001193.D

Acq: 28 Apr 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

Z1TB09-180417

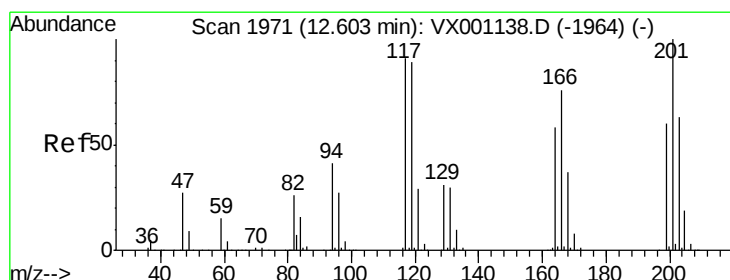
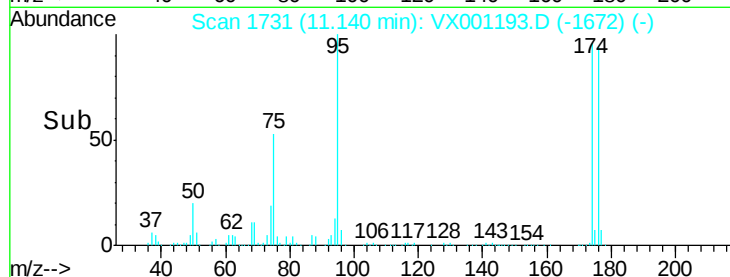
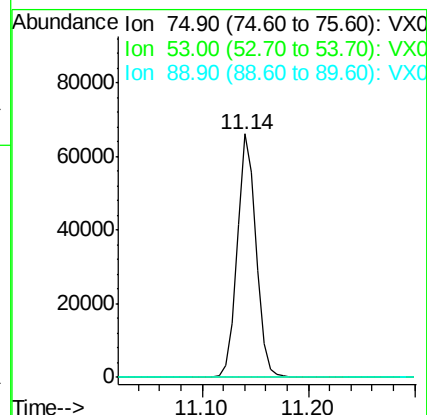
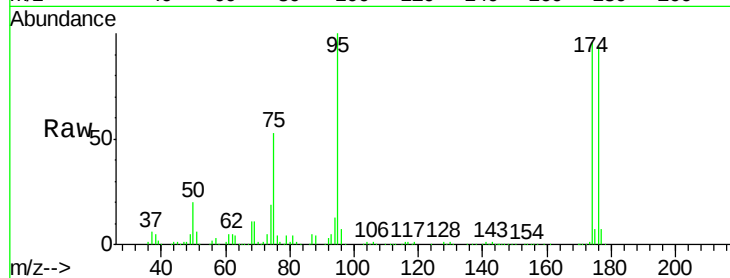
Tgt Ion: 75 Resp: 81864

Ion Ratio Lower Upper

75 100

53 0.0 87.9 131.9#

89 0.0 37.7 56.5#



#90

Hexachloroethane

Concen: 3.394 ug/l

RT: 12.85 min Scan# 2012

Delta R.T. 0.25 min

Lab File: VX001193.D

Acq: 28 Apr 2018 01:51

Tgt Ion: 117 Resp: 26

Ion Ratio Lower Upper

117 100

201 0.0 51.8 155.4#

