

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041118\
 Data File : VX000786.D
 Acq On : 11 Apr 2018 18:29
 Operator : JC/MD
 Sample : J2156-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HD-01-040918

Quant Time: Apr 12 07:07:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	311739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	434318	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	410074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	244413	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	159191	40.50	ug/l	0.00
Spiked Amount			Recovery	=	81.00%	
35) Dibromofluoromethane	5.51	113	132078	39.47	ug/l	0.00
Spiked Amount			Recovery	=	78.94%	
50) Toluene-d8	8.72	98	502755	40.35	ug/l	0.00
Spiked Amount			Recovery	=	80.70%	
62) 4-Bromofluorobenzene	11.15	95	204167	39.61	ug/l	0.00
Spiked Amount			Recovery	=	79.22%	

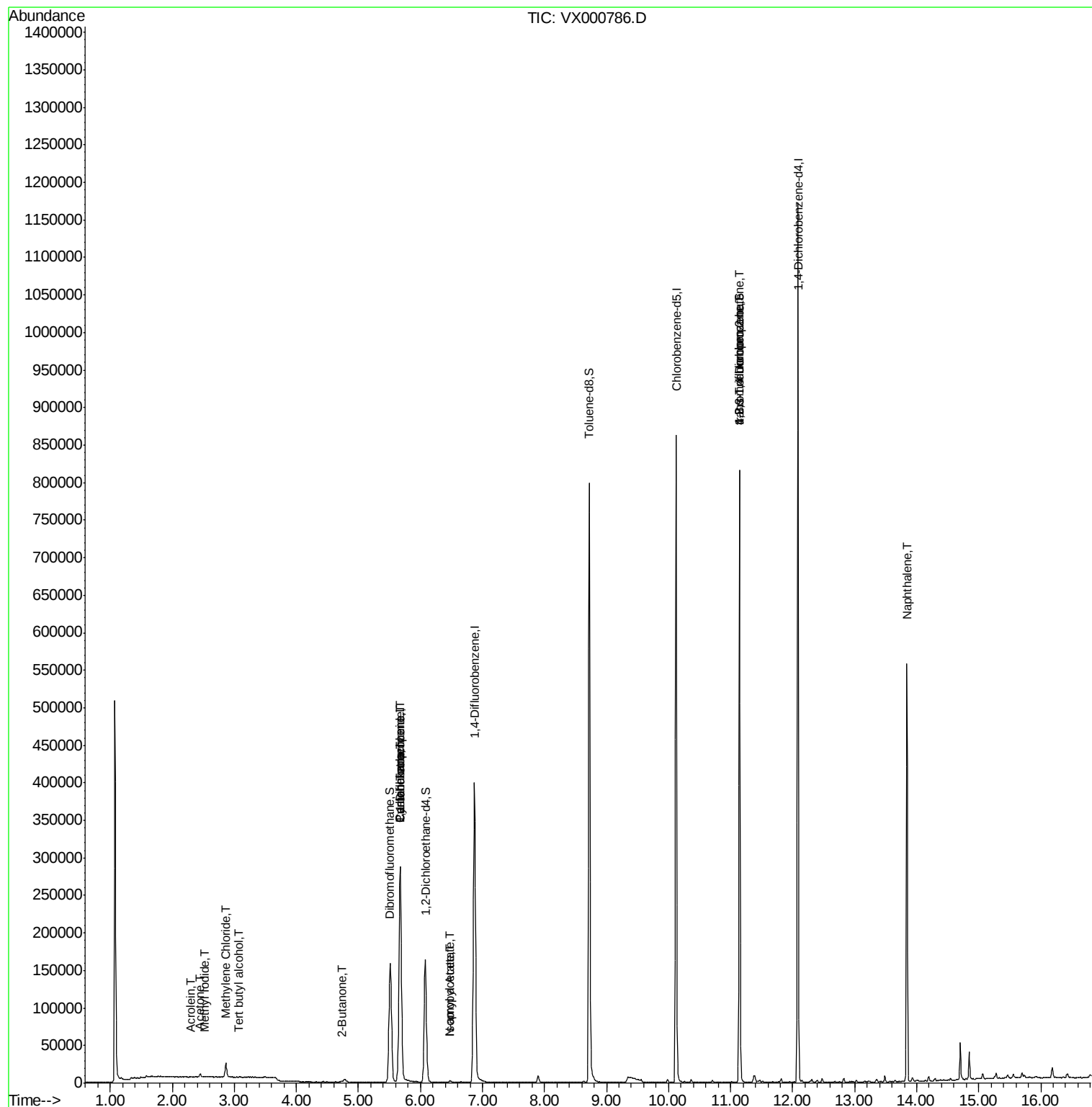
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	272	Below Cal		96
10) Methyl Iodide	2.52	142	263	8.32	ug/l #	84
11) Tert butyl alcohol	3.07	59	562	0.81	ug/l #	72
13) Acrolein	2.29	56	78	0.23	ug/l #	13
16) Acetone	2.45	43	5078	3.75	ug/l	99
20) Methylene Chloride	2.86	84	8595	2.73	ug/l	99
25) 2-Butanone	4.73	43	1452	0.65	ug/l #	79
31) Cyclohexane	5.68	56	5408	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18478	3.86	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26313	4.91	ug/l #	15
43) Isopropyl Acetate	6.48	43	2059	0.26	ug/l #	95
74) N-amyl acetate	6.48	43	2059	0.29	ug/l #	98
76) 1,2,3-Trichloropropane	11.15	75	100718	23.89	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	100718	65.73	ug/l #	11
95) Naphthalene	13.84	128	338307	19.02	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000786.D

Acq: 11 Apr 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

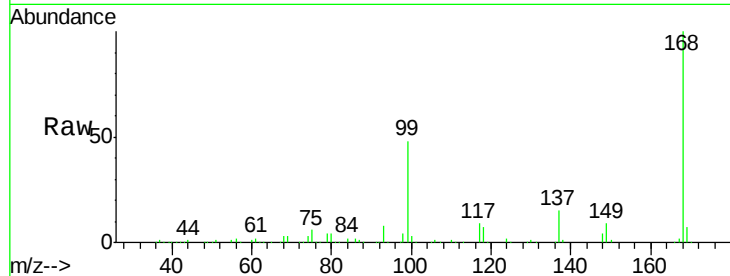
HD-01-040918

Tgt Ion:168 Resp: 311739

Ion Ratio Lower Upper

168 100

99 48.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

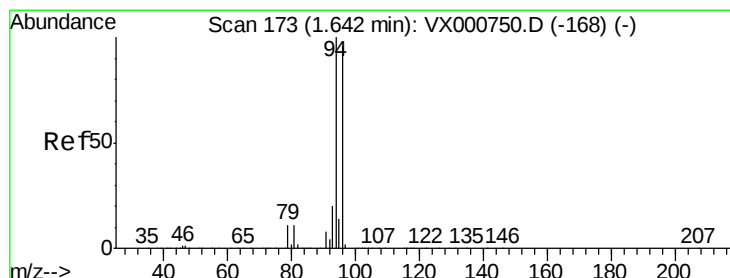
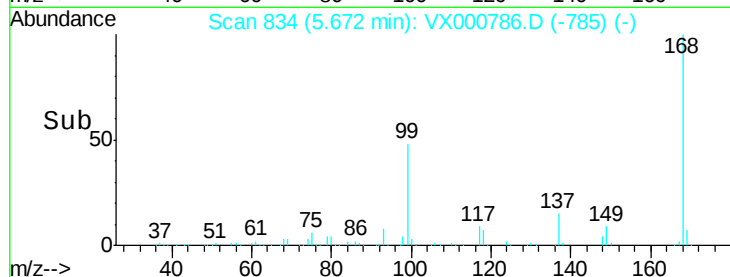
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000786.D

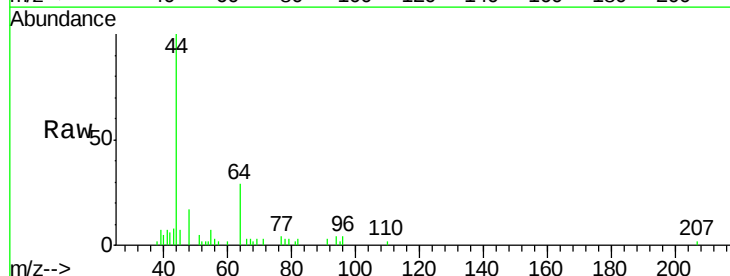
Acq: 11 Apr 2018 18:29

Tgt Ion: 94 Resp: 272

Ion Ratio Lower Upper

94 100

96 100.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

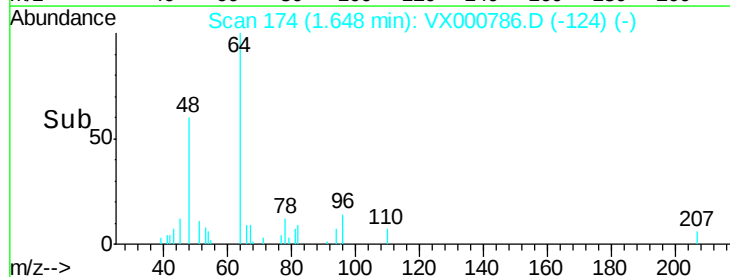
150

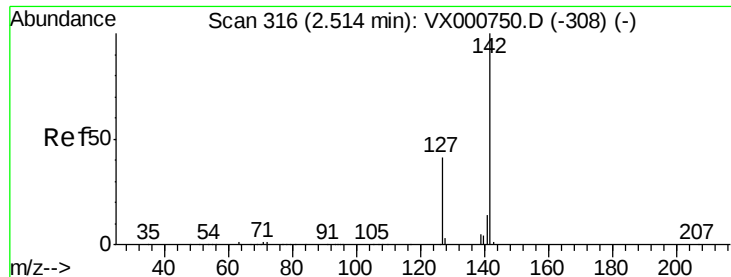
100

50

0

Time-->

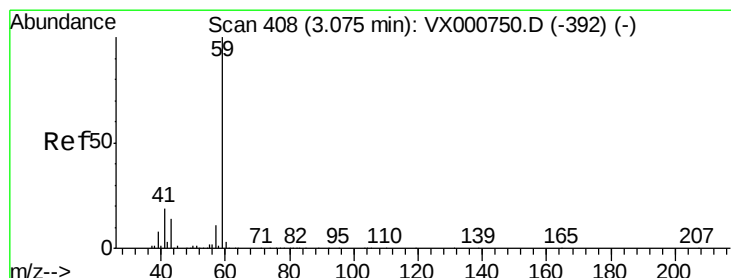
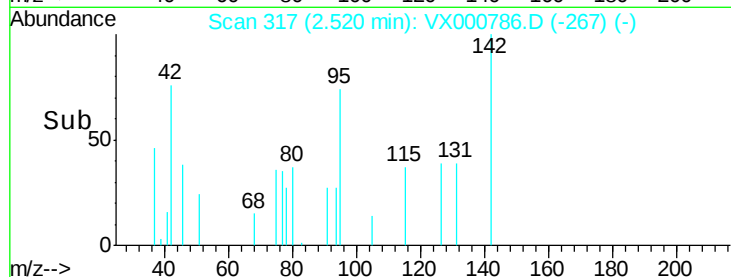
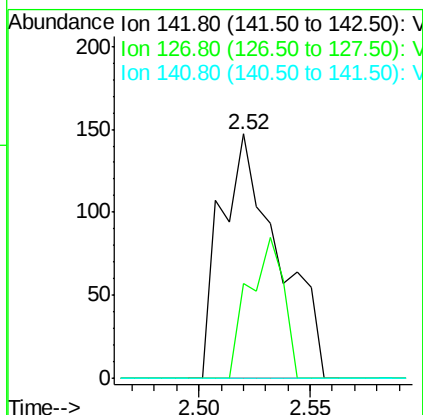
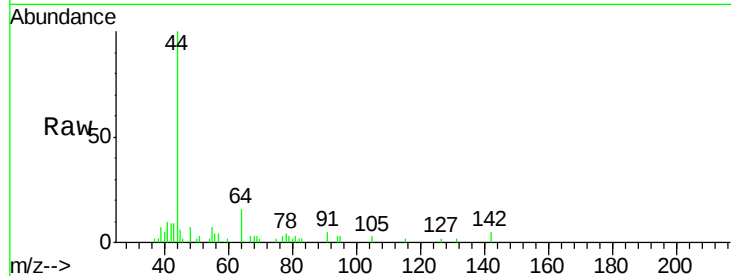




#10
Methyl Iodide
Concen: 8.32 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000786.D
Acq: 11 Apr 2018 18:29

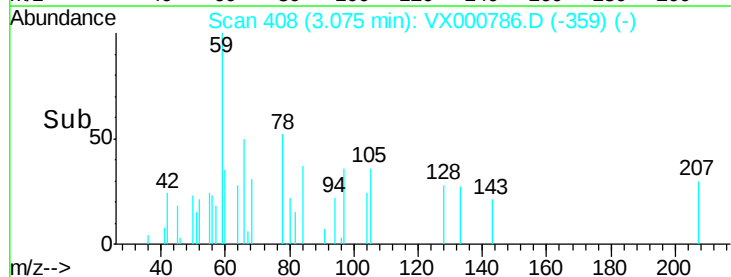
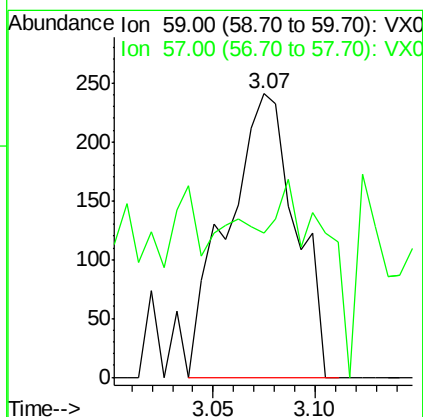
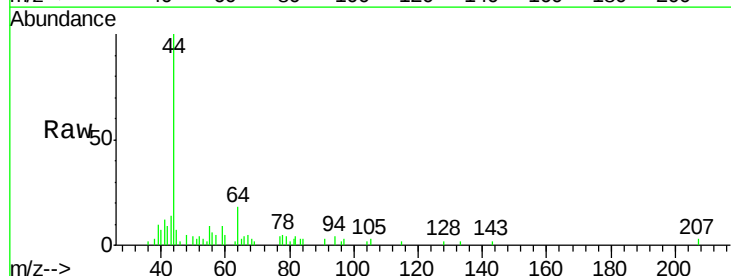
Instrument :
MSVOA_X
ClientSampleId :
HD-01-040918

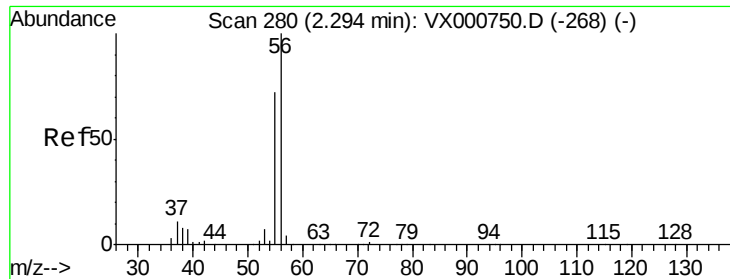
Tgt Ion:142 Resp: 263
Ion Ratio Lower Upper
142 100
127 35.4 32.6 49.0
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.81 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000786.D
Acq: 11 Apr 2018 18:29

Tgt Ion: 59 Resp: 562
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 0.23 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000786.D

Acq: 11 Apr 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

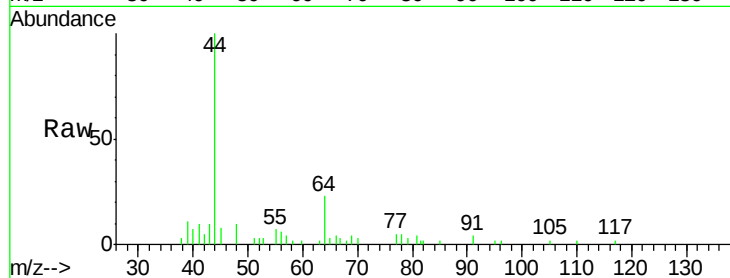
HD-01-040918

Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

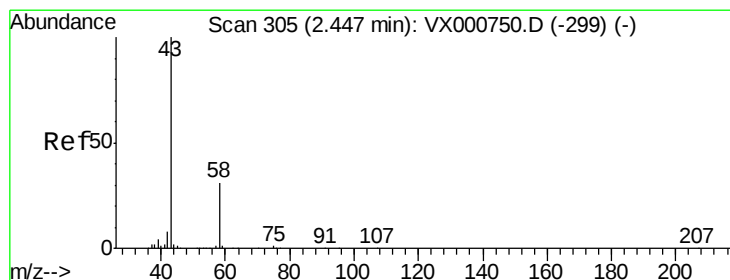
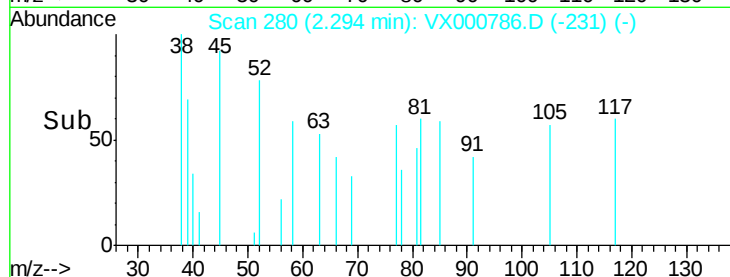
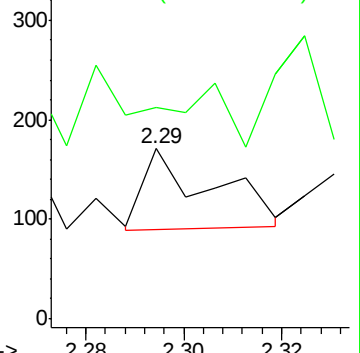
56 100

55 0.0 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.75 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000786.D

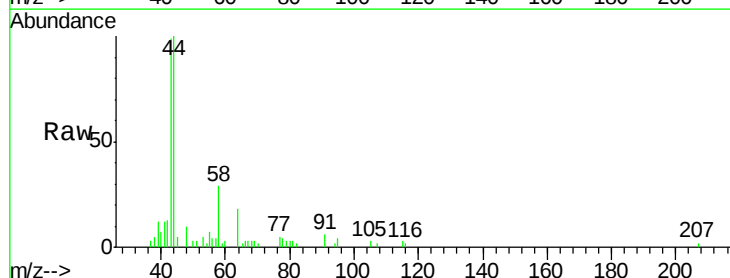
Acq: 11 Apr 2018 18:29

Tgt Ion: 43 Resp: 5078

Ion Ratio Lower Upper

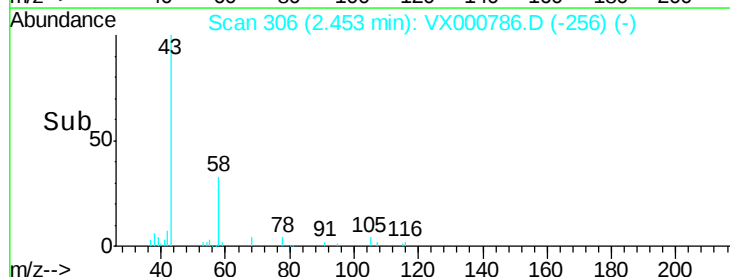
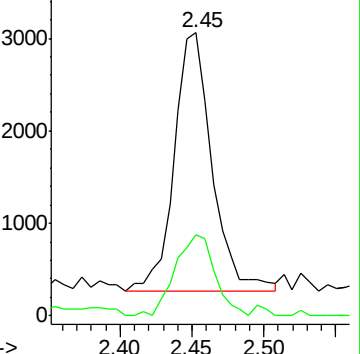
43 100

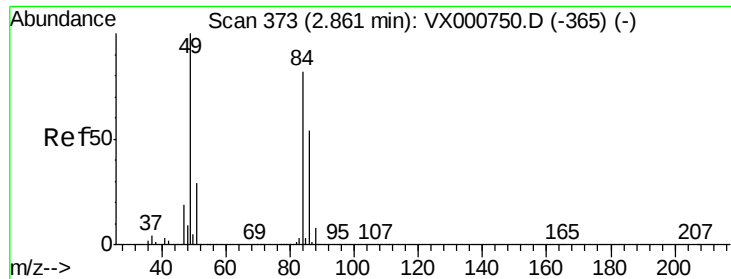
58 31.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 2.73 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000786.D

Acq: 11 Apr 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

HD-01-040918

Tgt Ion: 84 Resp: 8595

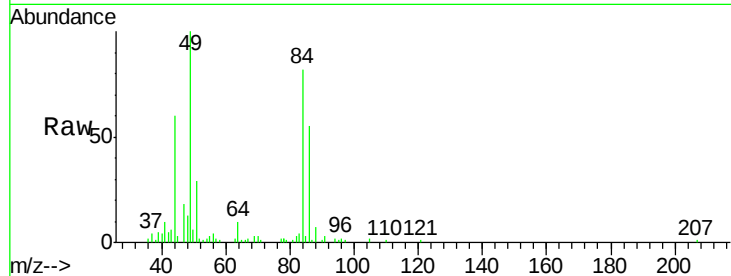
Ion Ratio Lower Upper

84 100

49 121.2 98.1 147.1

51 33.5 28.9 43.3

86 66.2 52.7 79.1

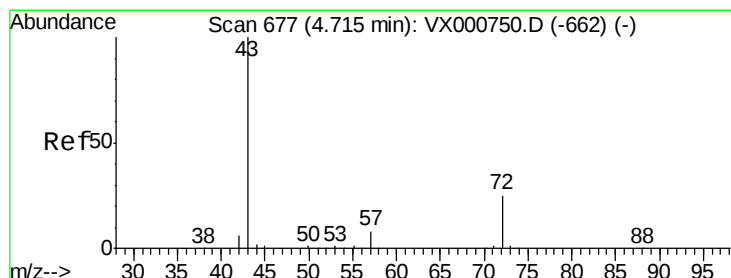
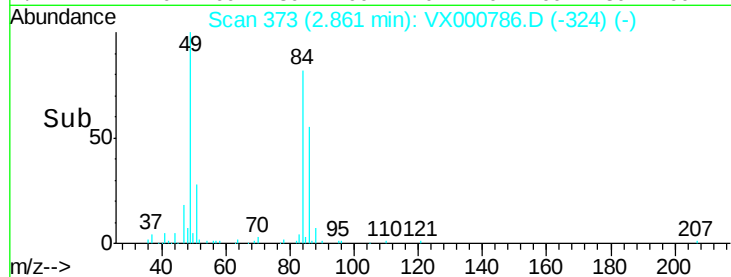
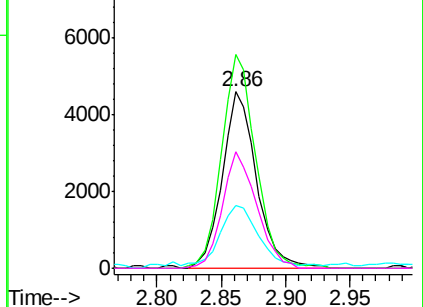


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.65 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX000786.D

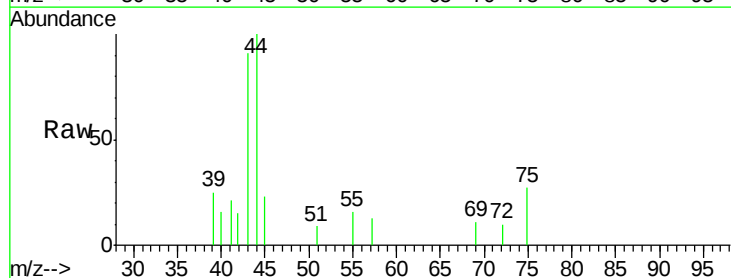
Acq: 11 Apr 2018 18:29

Tgt Ion: 43 Resp: 1452

Ion Ratio Lower Upper

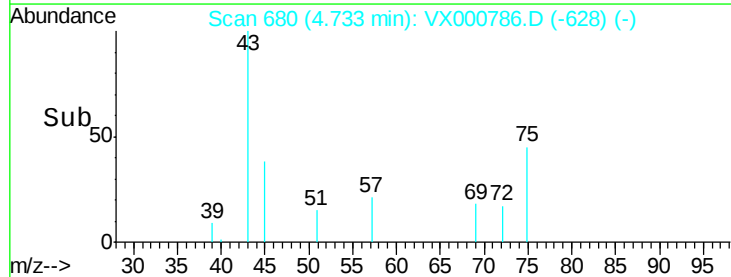
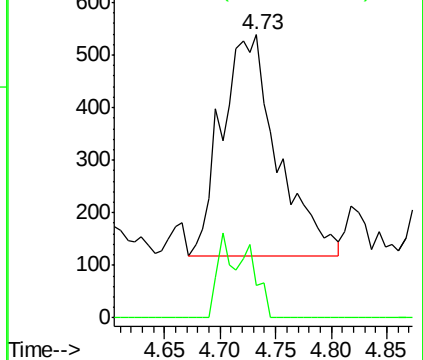
43 100

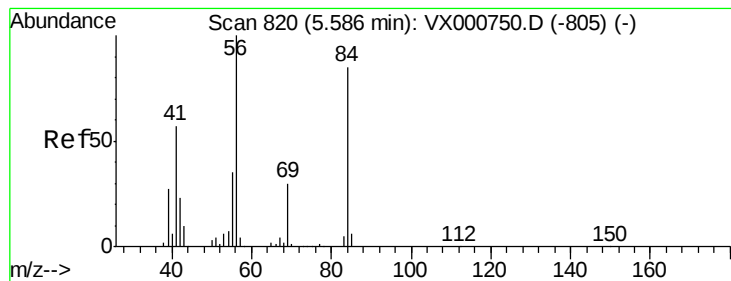
72 14.6 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.04 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000786.D

Acq: 11 Apr 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

HD-01-040918

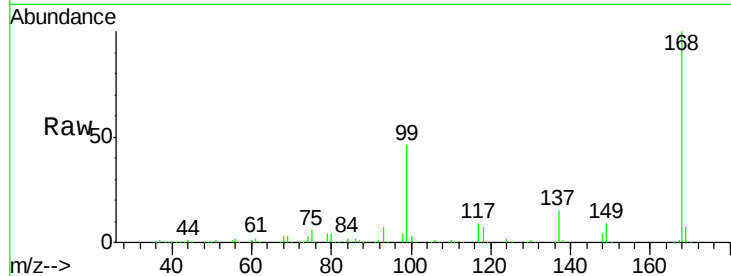
Tgt Ion: 56 Resp: 5408

Ion Ratio Lower Upper

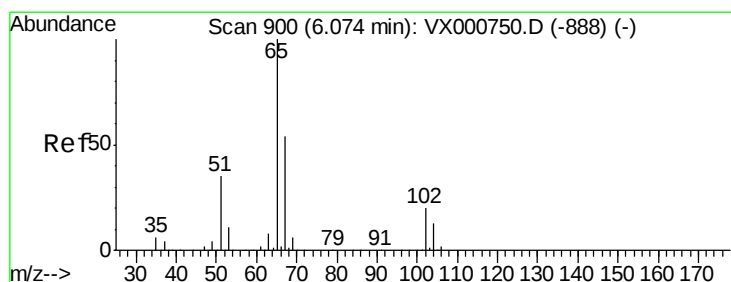
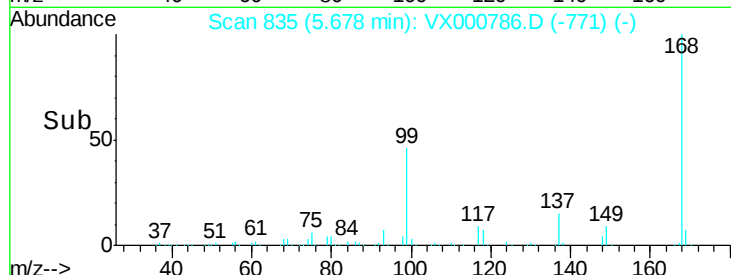
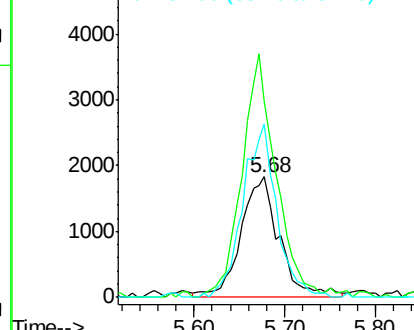
56 100

69 168.8 24.2 36.4#

84 148.8 67.6 101.4#



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: 40.50 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000786.D

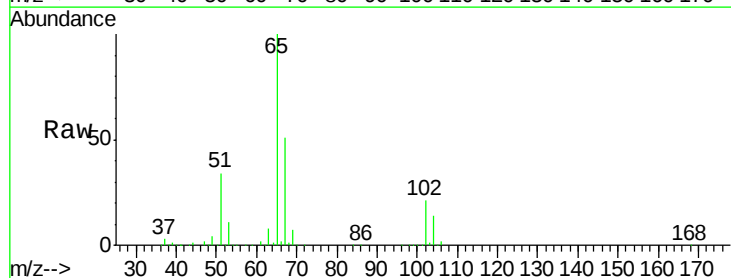
Acq: 11 Apr 2018 18:29

Tgt Ion: 65 Resp: 159191

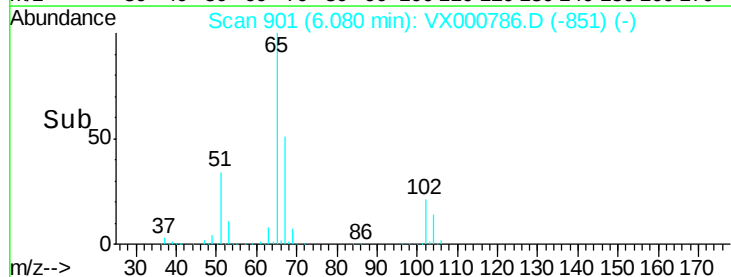
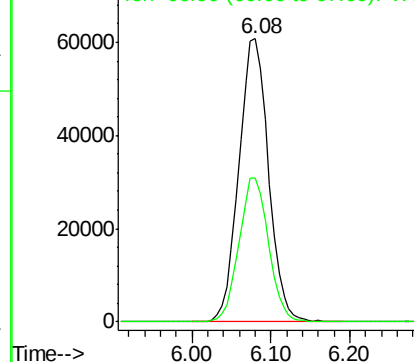
Ion Ratio Lower Upper

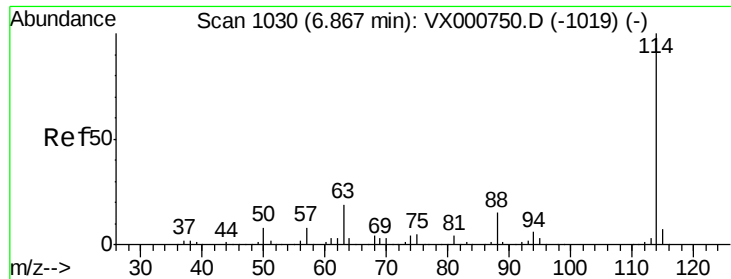
65 100

67 51.1 0.0 103.8



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

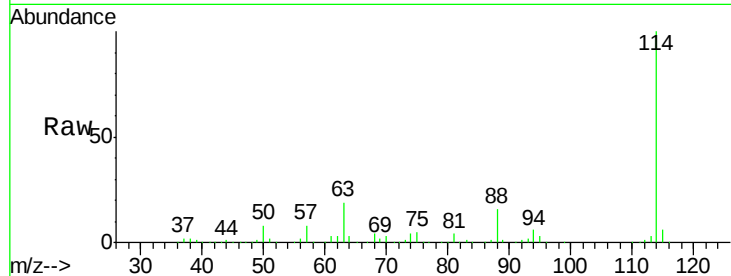




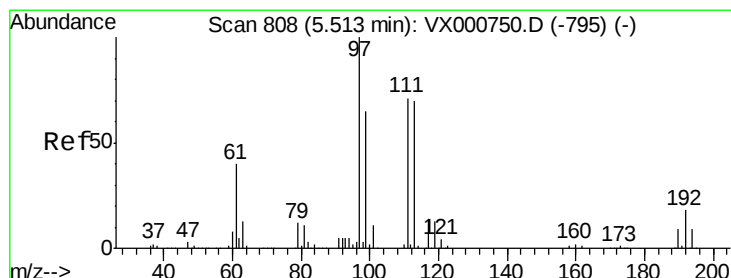
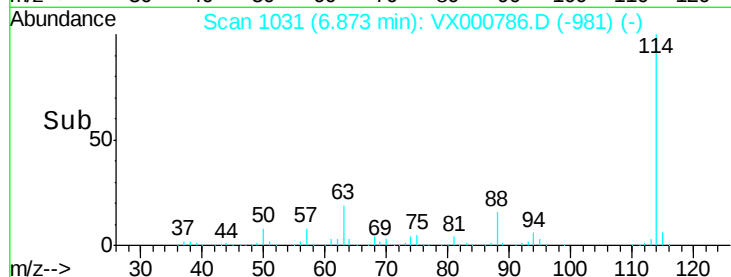
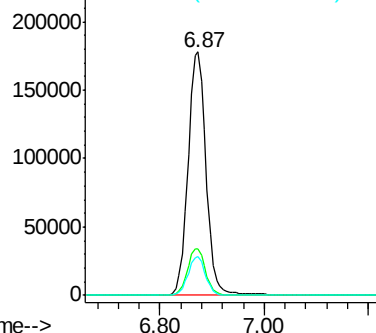
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000786.D
 Acq: 11 Apr 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 HD-01-040918

Tgt Ion:114 Resp: 434318
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 15.7 0.0 31.0

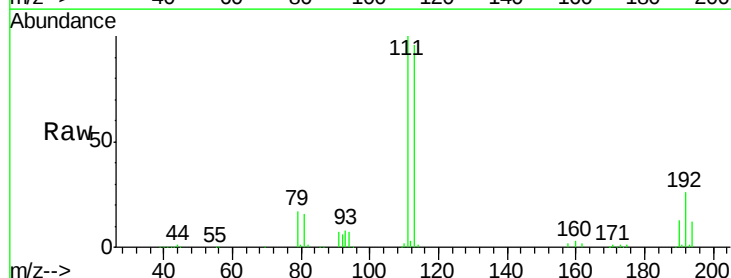


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

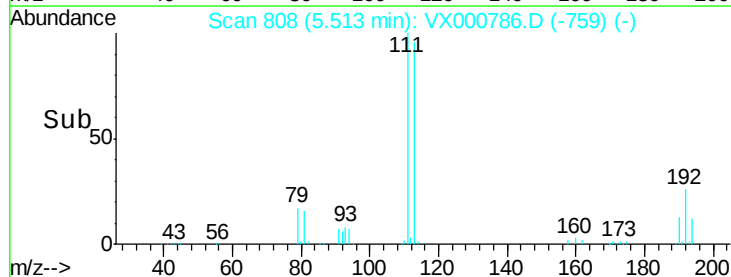
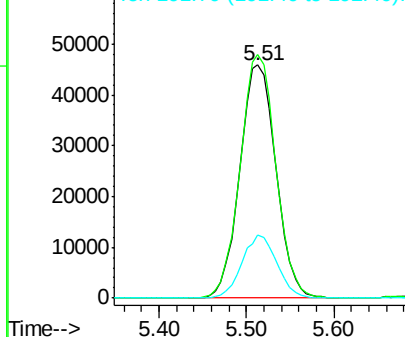


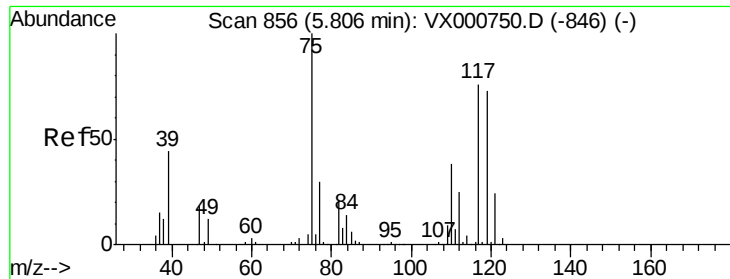
#35
 Dibromofluoromethane
 Concen: 39.47 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000786.D
 Acq: 11 Apr 2018 18:29

Tgt Ion:113 Resp: 132078
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.5 122.3
 192 26.1 20.4 30.6



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: 3.86 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000786.D

Acq: 11 Apr 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

HD-01-040918

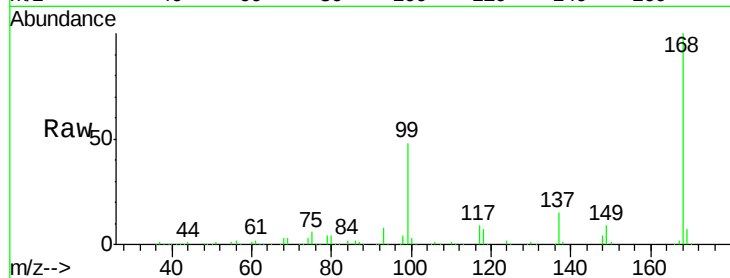
Tgt Ion: 75 Resp: 18478

Ion Ratio Lower Upper

75 100

110 10.0 19.2 57.6#

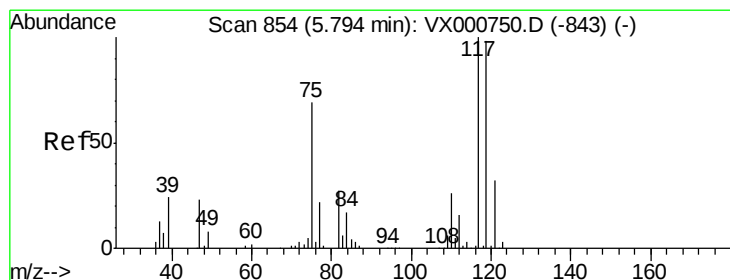
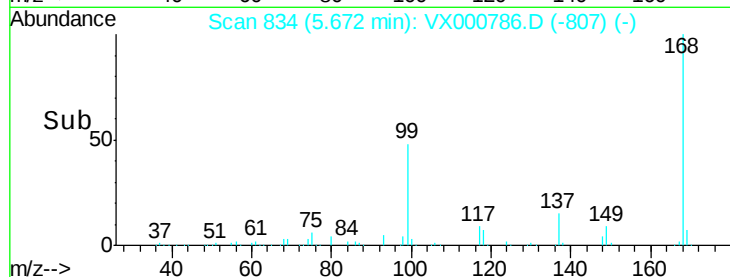
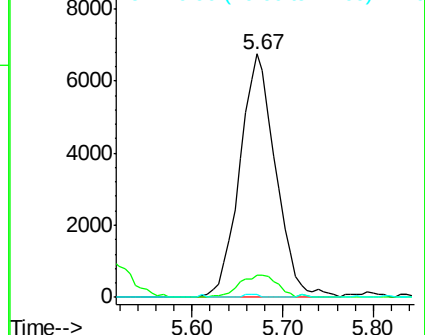
77 0.5 25.4 38.2#



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: 4.91 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000786.D

Acq: 11 Apr 2018 18:29

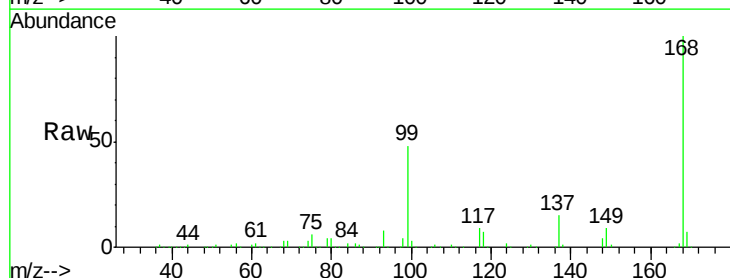
Tgt Ion: 117 Resp: 26313

Ion Ratio Lower Upper

117 100

119 5.2 78.4 117.6#

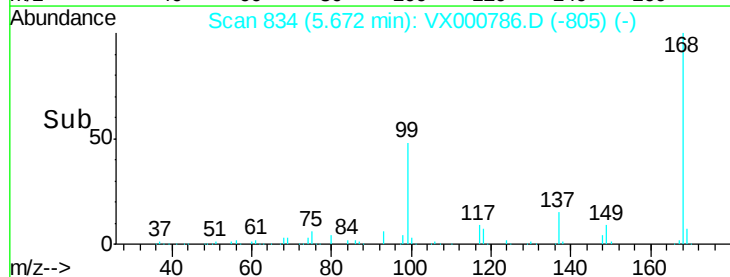
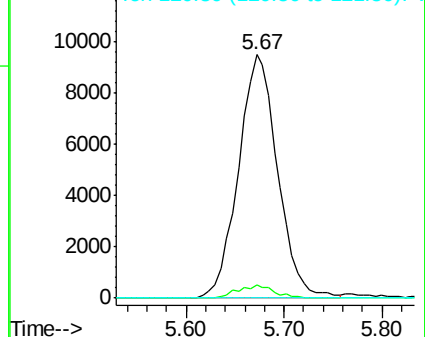
121 0.0 25.4 38.0#

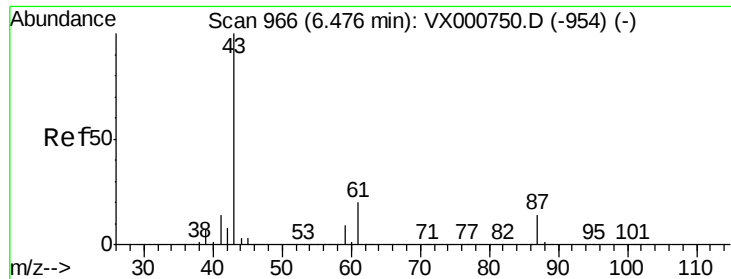


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.26 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000786.D

Acq: 11 Apr 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

HD-01-040918

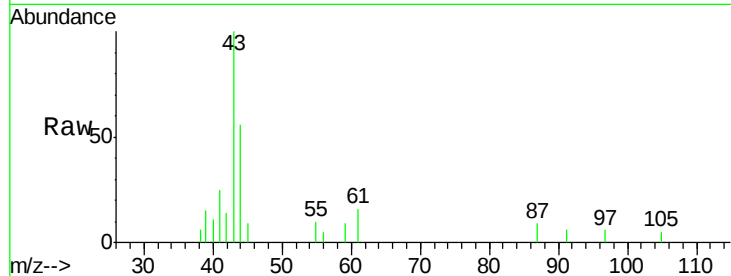
Tgt Ion: 43 Resp: 2059

Ion Ratio Lower Upper

43 100

61 20.4 15.6 23.4

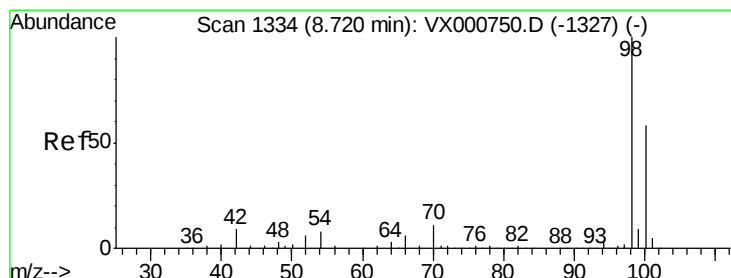
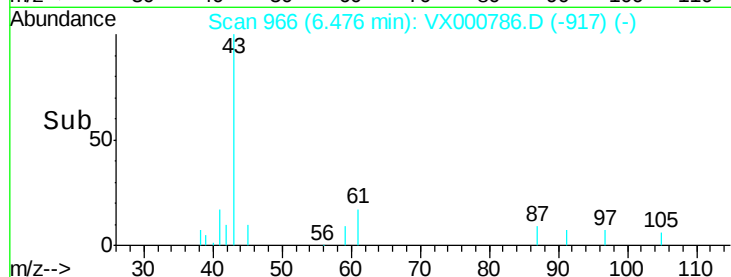
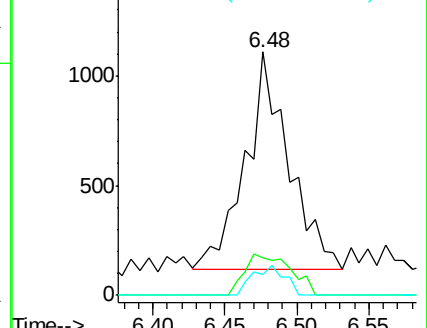
87 10.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 40.35 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000786.D

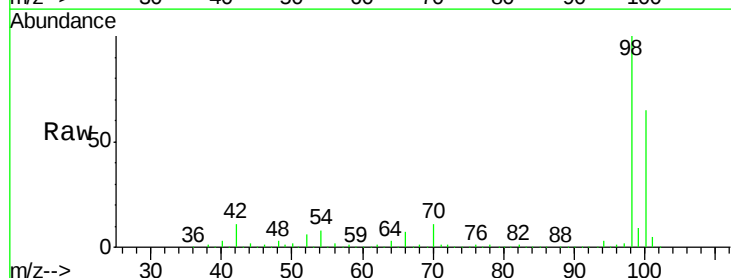
Acq: 11 Apr 2018 18:29

Tgt Ion: 98 Resp: 502755

Ion Ratio Lower Upper

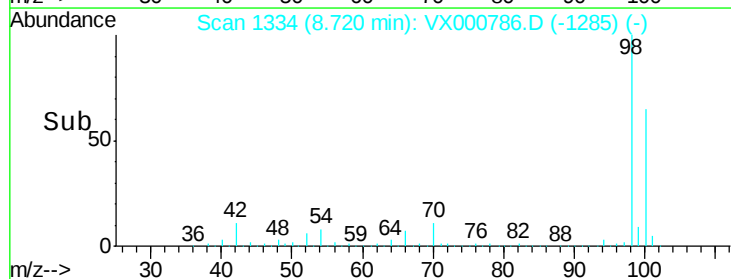
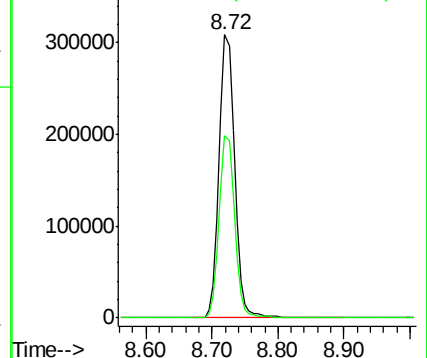
98 100

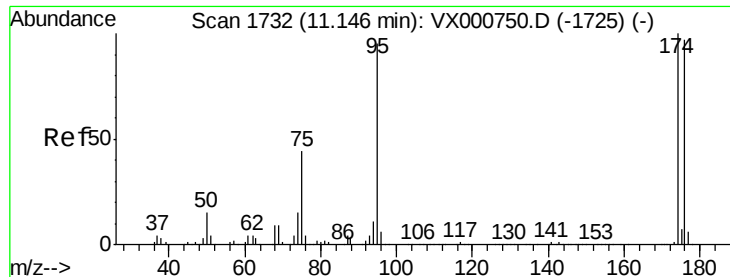
100 64.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

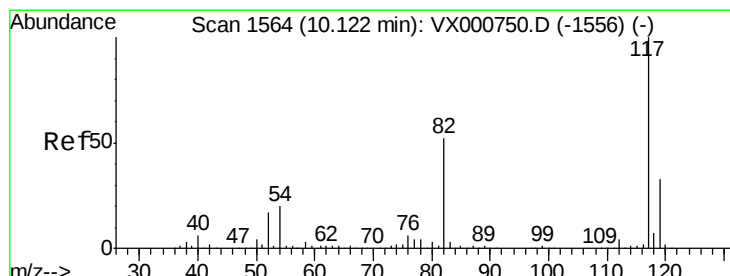
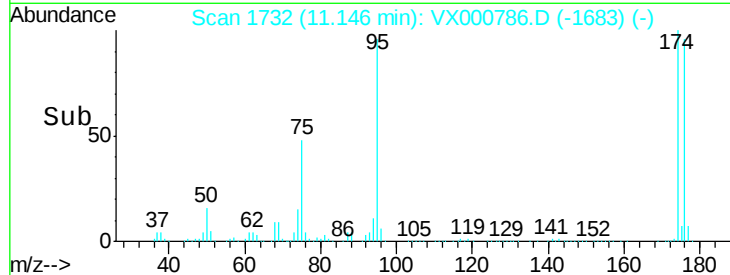
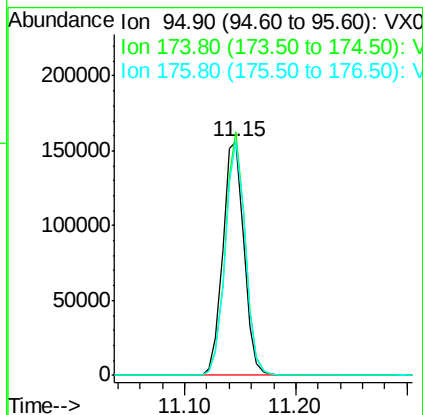
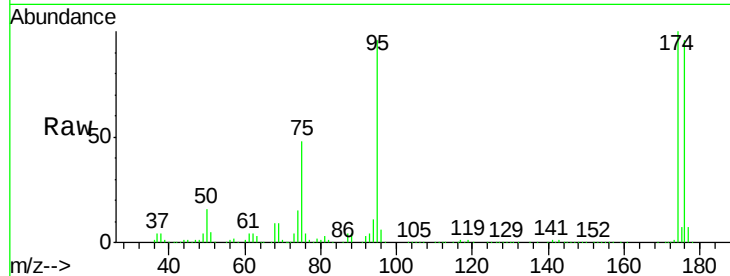




#62
4-Bromofluorobenzene
Concen: 39.61 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000786.D
Acq: 11 Apr 2018 18:29

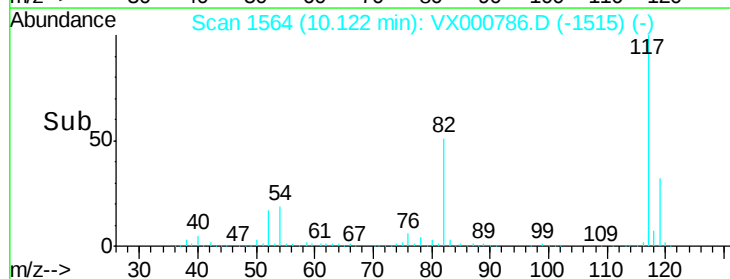
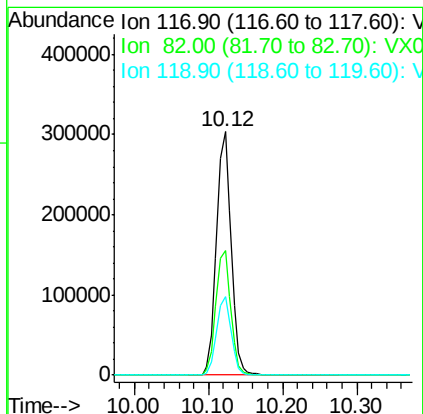
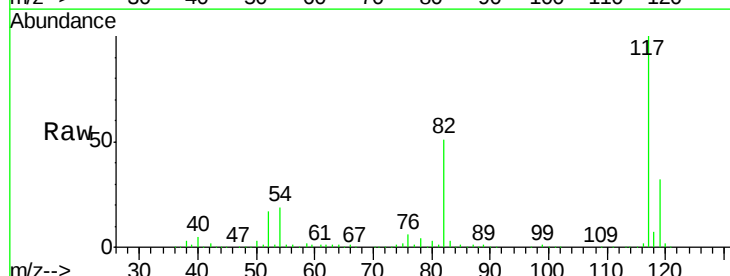
Instrument :
MSVOA_X
ClientSampleId :
HD-01-040918

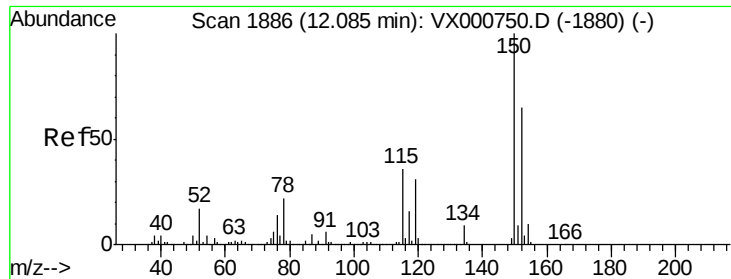
Tgt Ion: 95 Resp: 204167
Ion Ratio Lower Upper
95 100
174 98.2 0.0 198.4
176 95.5 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000786.D
Acq: 11 Apr 2018 18:29

Tgt Ion: 117 Resp: 410074
Ion Ratio Lower Upper
117 100
82 51.1 41.9 62.9
119 32.0 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000786.D

Acq: 11 Apr 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

HD-01-040918

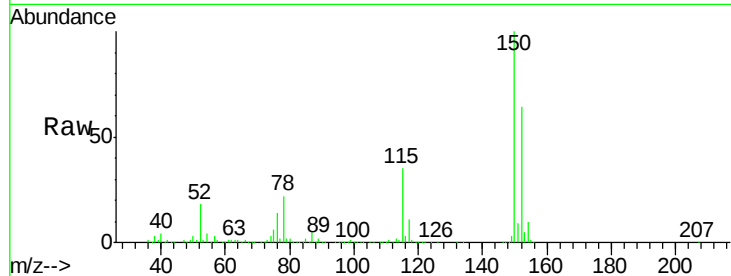
Tgt Ion:152 Resp: 244413

Ion Ratio Lower Upper

152 100

115 53.8 37.9 113.7

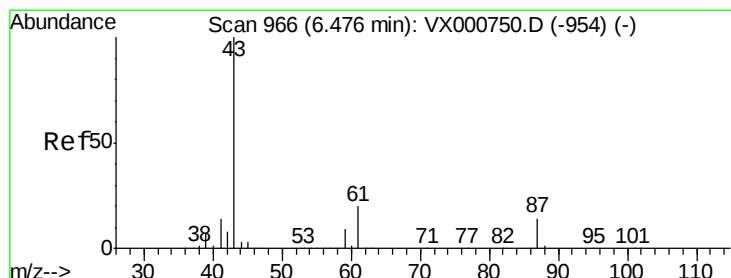
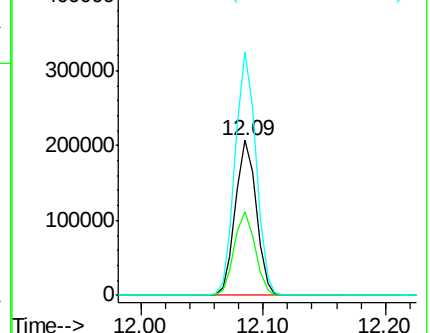
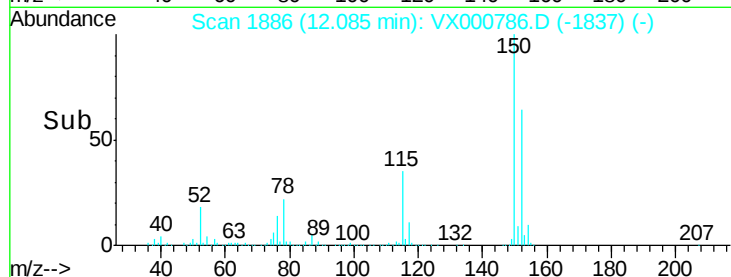
150 155.8 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.29 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000786.D

Acq: 11 Apr 2018 18:29

Tgt Ion: 43 Resp: 2059

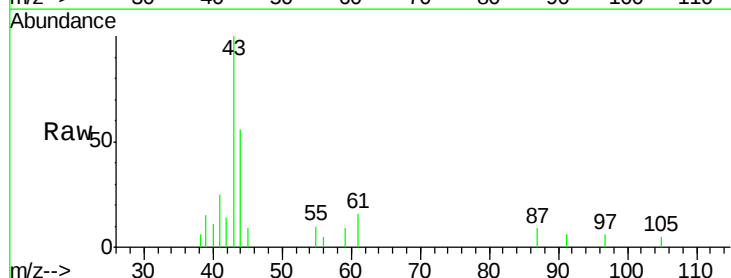
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 3.2 0.0 0.0#

61 20.4 15.6 23.4

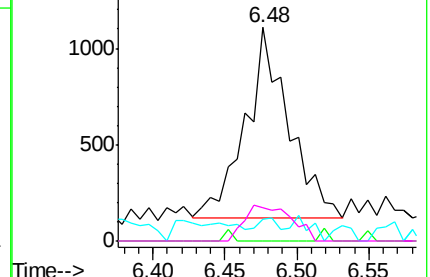
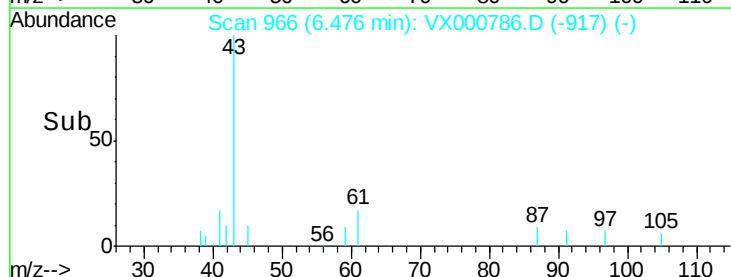


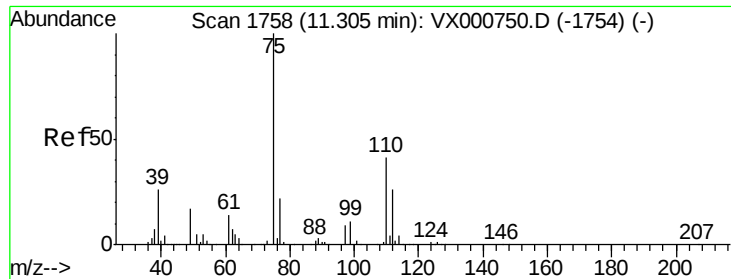
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

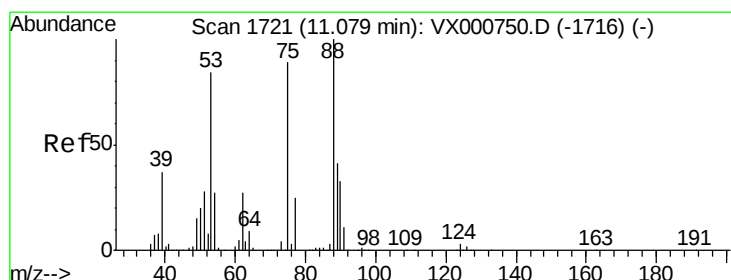
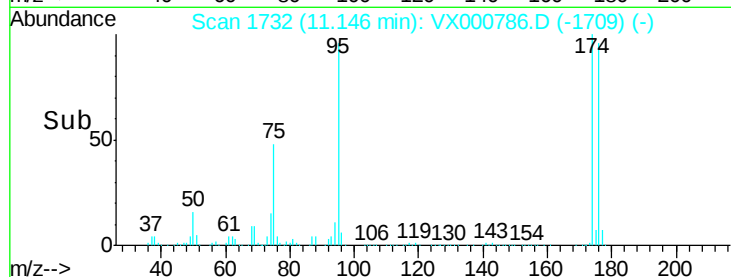
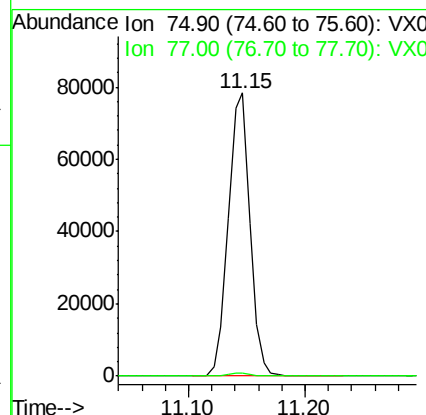
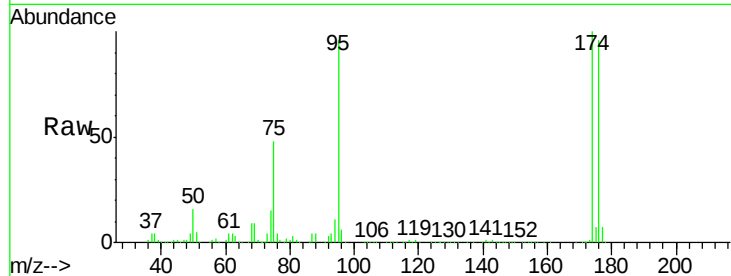




#76
 1,2,3-Trichloropropane
 Concen: 23.89 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000786.D
 Acq: 11 Apr 2018 18:29

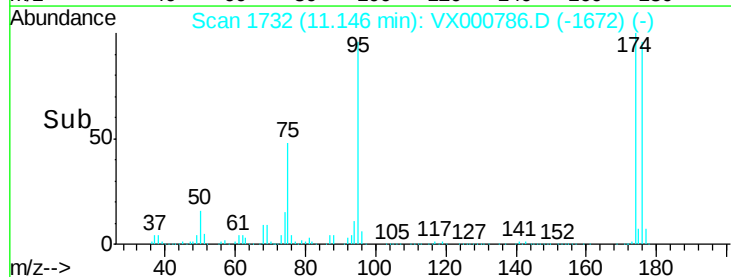
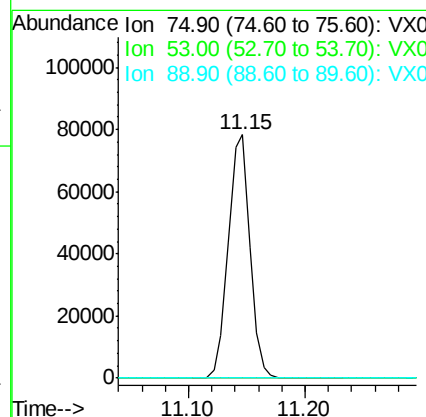
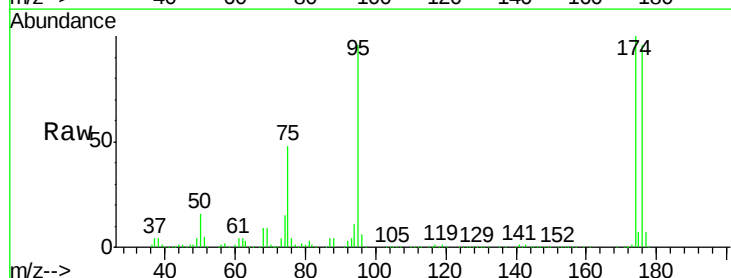
Instrument :
 MSVOA_X
 ClientSampleId :
 HD-01-040918

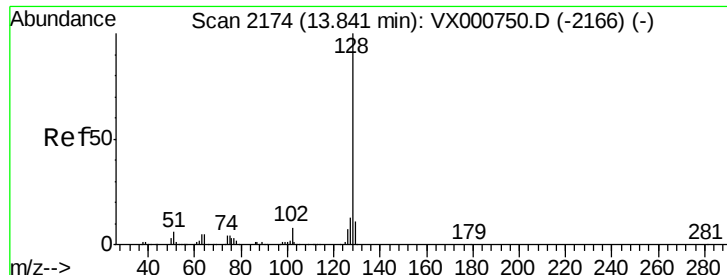
Tgt Ion: 75 Resp: 100718
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.73 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.07 min
 Lab File: VX000786.D
 Acq: 11 Apr 2018 18:29

Tgt Ion: 75 Resp: 100718
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

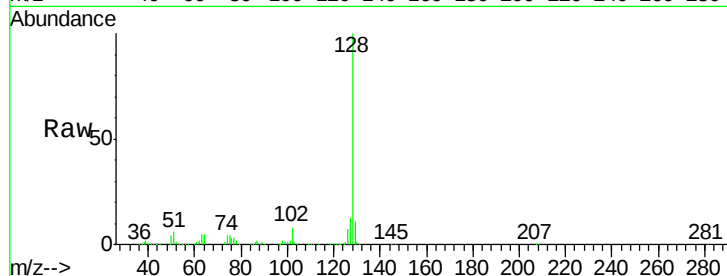




#95
Naphthalene
Concen: 19.02 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000786.D
Acq: 11 Apr 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
HD-01-040918

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.2	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

