

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031618\
 Data File : VX000347.D
 Acq On : 16 Mar 2018 14:39
 Operator : JC/MD
 Sample : J1911-02
 Misc : 6.56g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 16 15:02:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	105086	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	182169	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	167775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	80765	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	70808	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	5.52	113	53261	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	8.72	98	221335	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
62) 4-Bromofluorobenzene	11.15	95	74255	38.62	ug/l	0.00
Spiked Amount			Recovery	=	77.24%	

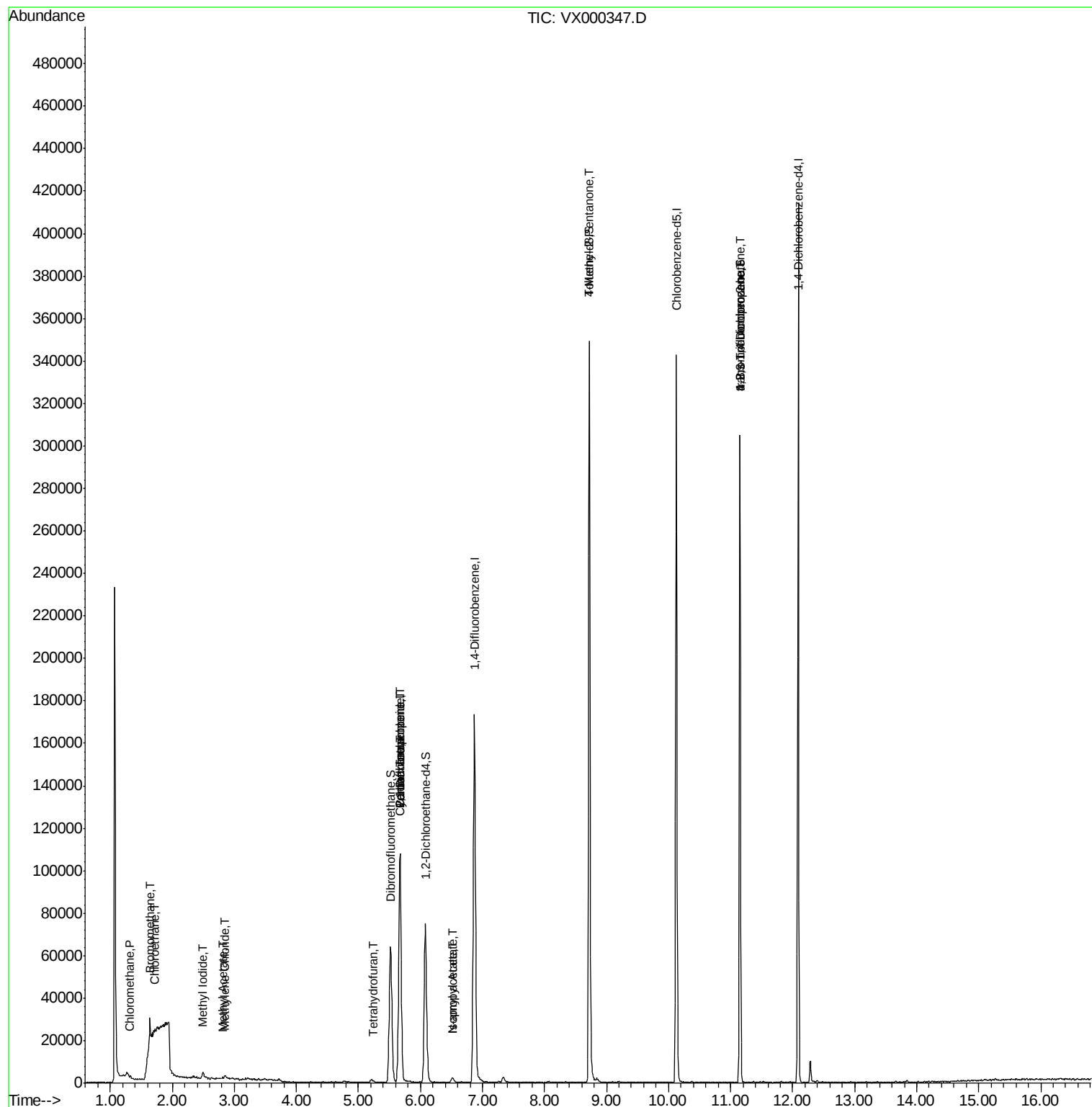
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	728	0.63	ug/l #	79
5) Bromomethane	1.64	94	4518	3.13	ug/l	94
6) Chloroethane	1.72	64	504	0.55	ug/l #	65
10) Methyl Iodide	2.50	142	3862	3.16	ug/l	94
18) Methyl Acetate	2.81	43	1357	0.62	ug/l #	51
20) Methylene Chloride	2.86	84	840	0.67	ug/l #	77
29) Tetrahydrofuran	5.23	42	1156	1.55	ug/l #	53
31) Cyclohexane	5.66	56	2558	1.56	ug/l #	53
36) 1,1-Dichloropropene	5.67	75	8243	4.98	ug/l #	50
38) Carbon Tetrachloride	5.67	117	10233	6.13	ug/l #	14
43) Isopropyl Acetate	6.51	43	1155	0.36	ug/l #	62
51) 4-Methyl-2-Pentanone	8.72	43	1236	0.50	ug/l #	1
74) N-amyl acetate	6.51	43	1155	0.50	ug/l #	59
76) 1,2,3-Trichloropropane	11.15	75	43558	28.98	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	43558	79.84	ug/l #	9

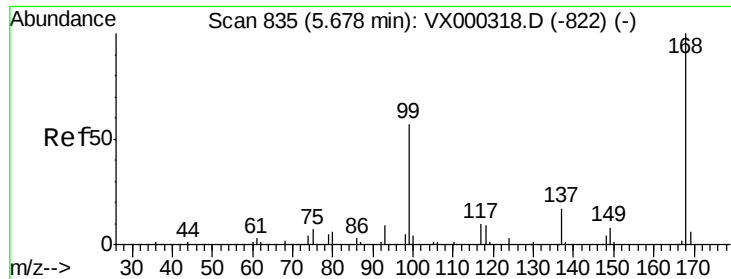
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 15 03:39:21 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX000347.D

Acq: 16 Mar 2018 14:39

Instrument :

MSVOA_X

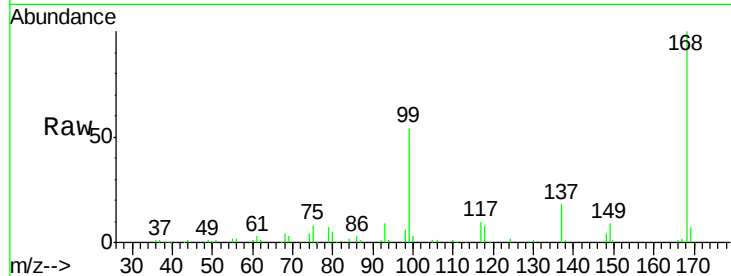
ClientSampleId :

Tot Ion:168 Resp: 105086

Ion Ratio Lower Upper

168 100

99 54.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

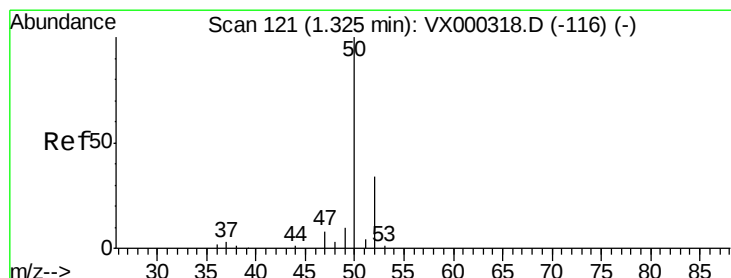
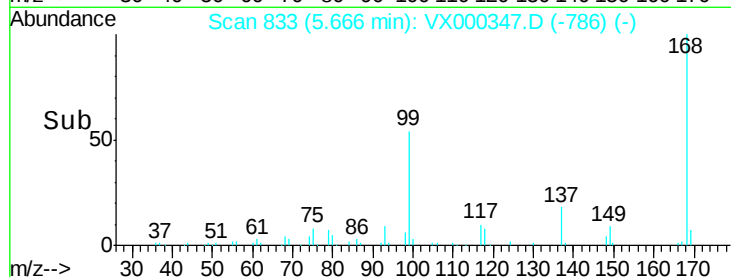
20000

10000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.63 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000347.D

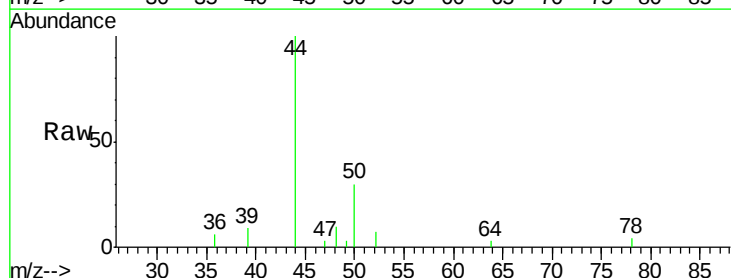
Acq: 16 Mar 2018 14:39

Tgt Ion: 50 Resp: 728

Ion Ratio Lower Upper

50 100

52 22.1 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

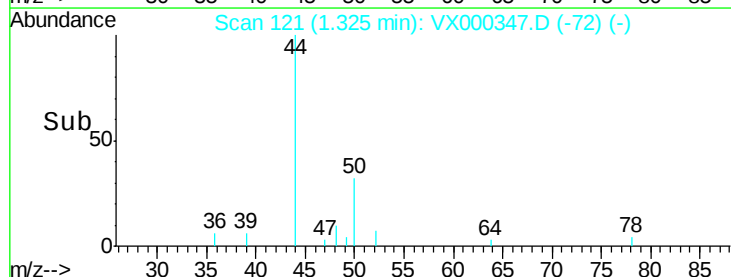
400

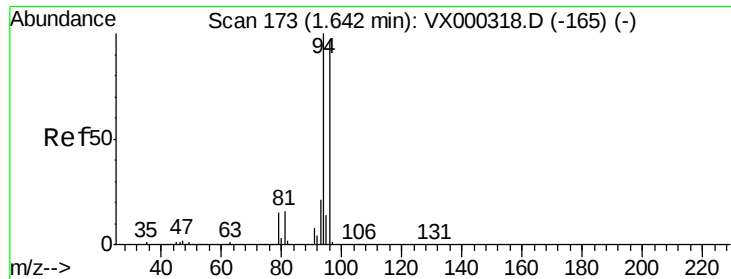
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 3.13 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000347.D

Acq: 16 Mar 2018 14:39

Instrument :

MSVOA_X

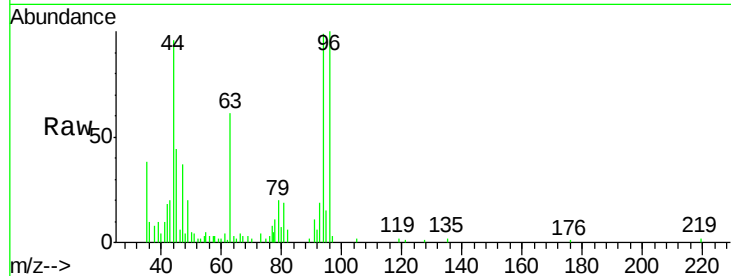
ClientSampleId :

Tot Ion: 94 Resp: 4518

Ion Ratio Lower Upper

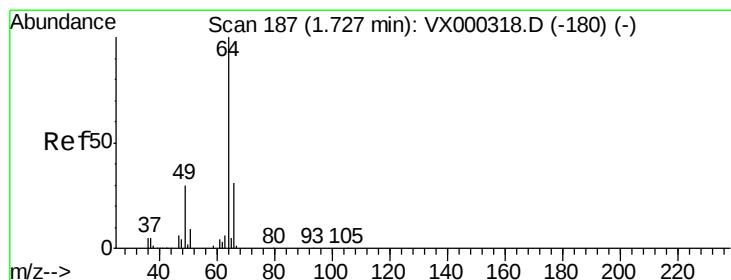
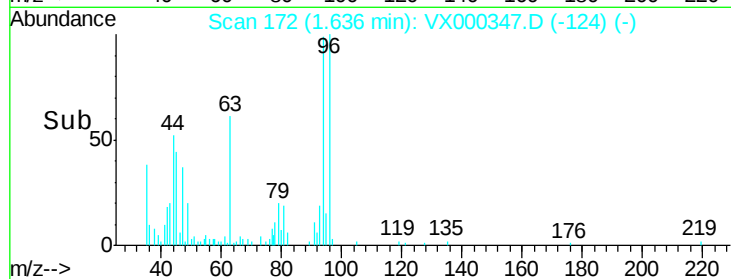
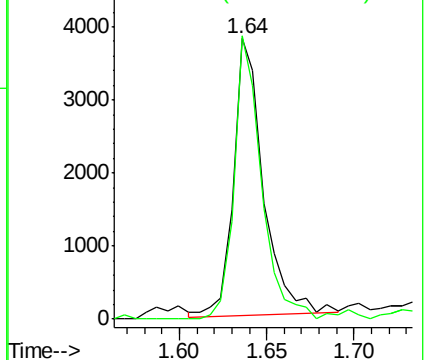
94 100

96 103.4 77.7 116.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.55 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000347.D

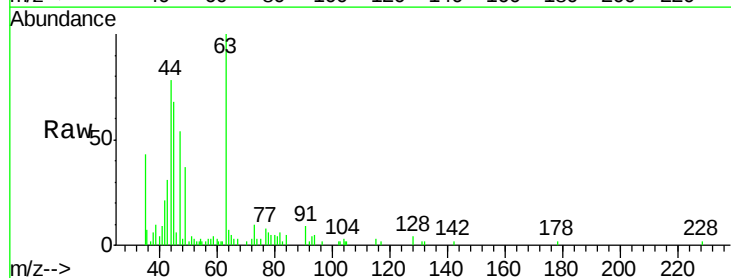
Acq: 16 Mar 2018 14:39

Tgt Ion: 64 Resp: 504

Ion Ratio Lower Upper

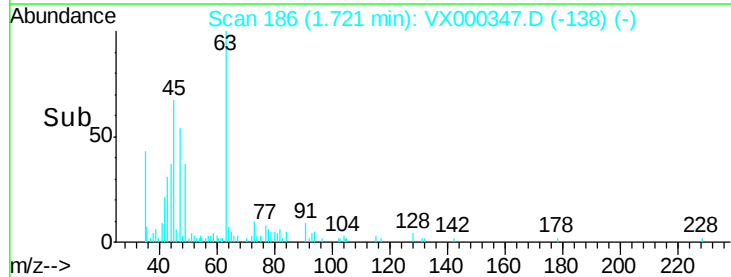
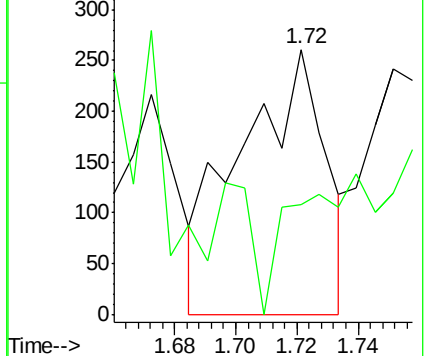
64 100

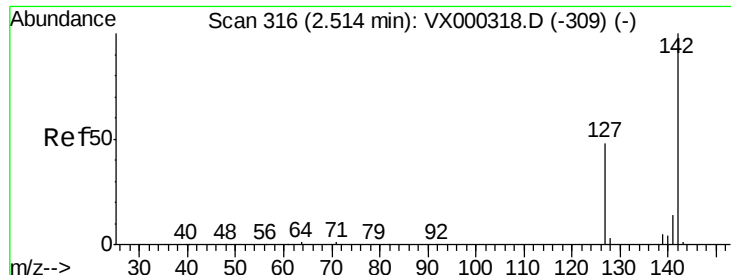
66 11.5 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

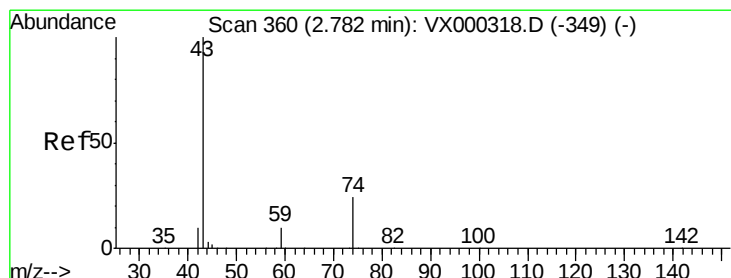
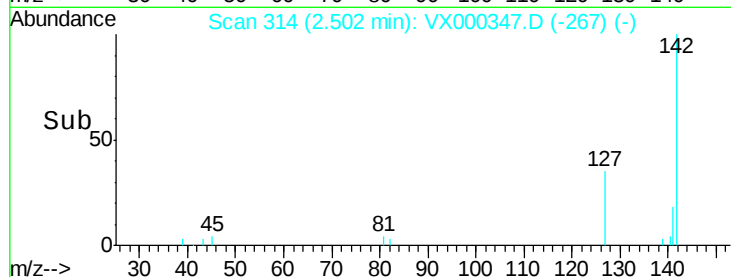
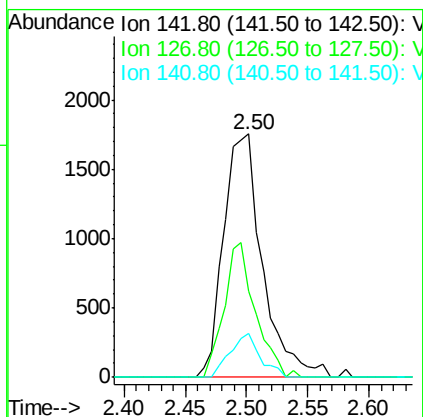
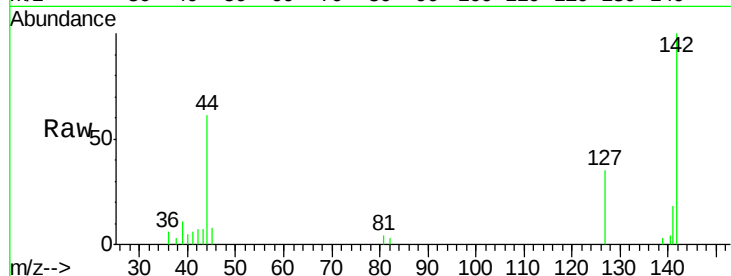




#10
Methvl Iodide
Concen: 3.16 ug/l
RT: 2.50 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX000347.D
Acq: 16 Mar 2018 14:39

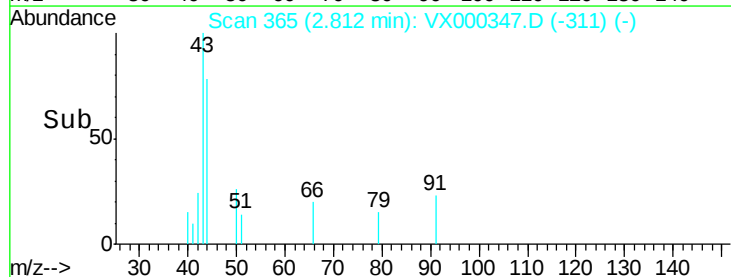
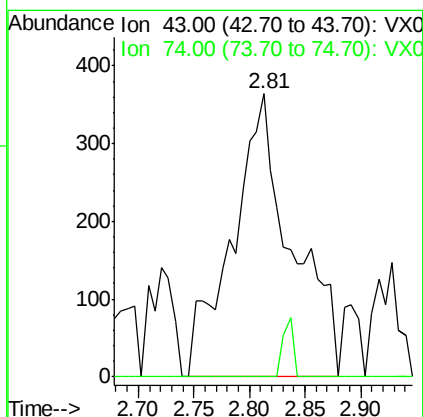
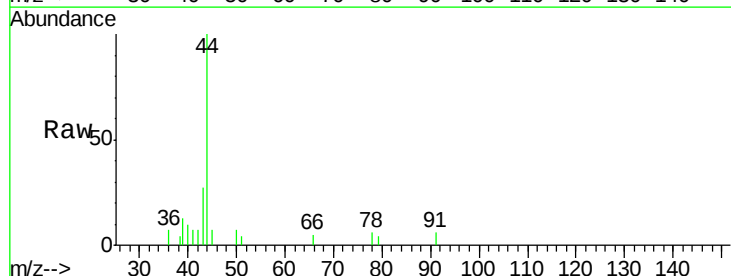
Instrument :
MSVOA_X
ClientSampled :

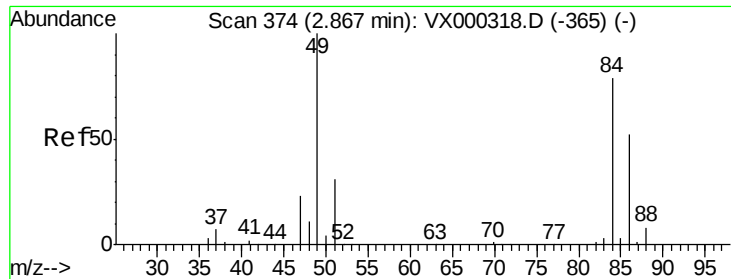
Tot Ion:142 Resp: 3862
Ion Ratio Lower Upper
142 100
127 44.3 39.2 58.8
141 13.9 11.7 17.5



#18
Methyl Acetate
Concen: 0.62 ug/l
RT: 2.81 min Scan# 365
Delta R.T. 0.03 min
Lab File: VX000347.D
Acq: 16 Mar 2018 14:39

Tgt Ion: 43 Resp: 1357
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





#20

Methylene Chloride

Concen: 0.67 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX000347.D

Acq: 16 Mar 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 840

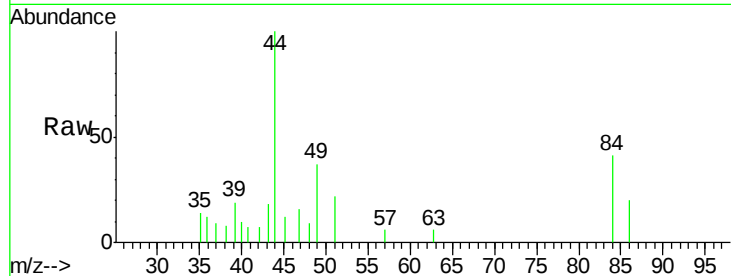
Ion Ratio Lower Upper

84 100

49 90.0 100.6 151.0#

51 39.8 31.6 47.4

86 49.6 52.6 78.8#

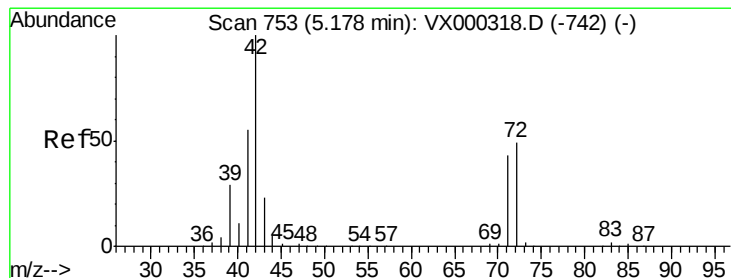
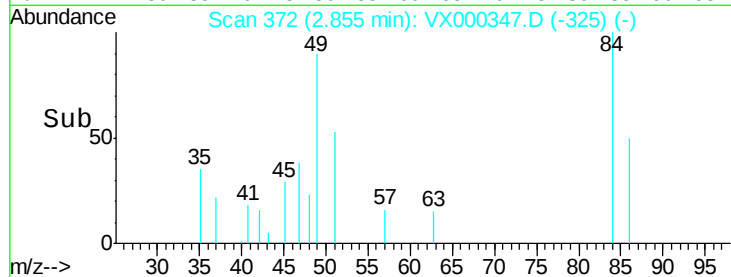
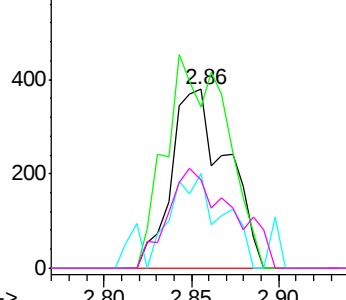


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 1.55 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.06 min

Lab File: VX000347.D

Acq: 16 Mar 2018 14:39

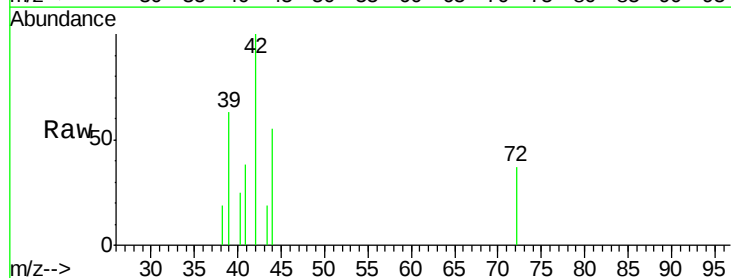
Tgt Ion: 42 Resp: 1156

Ion Ratio Lower Upper

42 100

72 19.8 37.9 56.9#

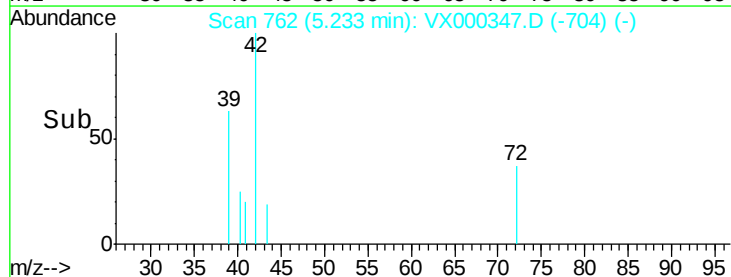
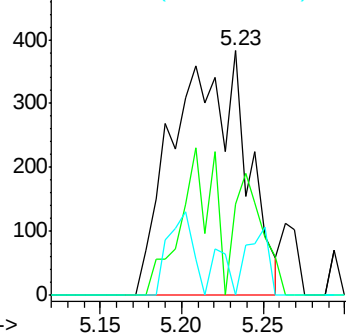
71 8.3 34.4 51.6#

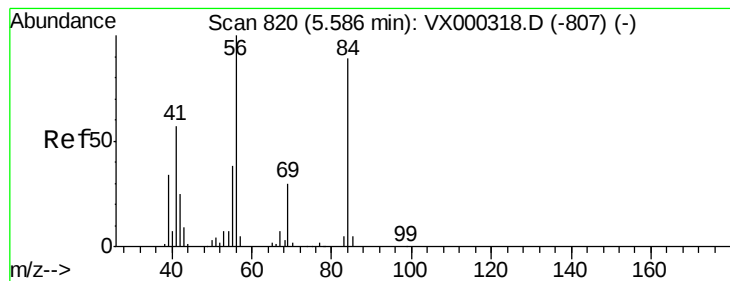


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.56 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.07 min

Lab File: VX000347.D

Acq: 16 Mar 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :

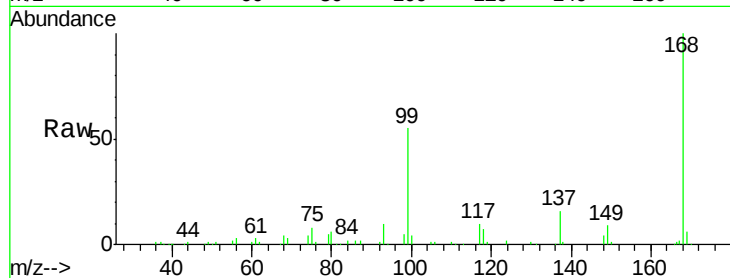
Tot Ion: 56 Resp: 2558

Ion Ratio Lower Upper

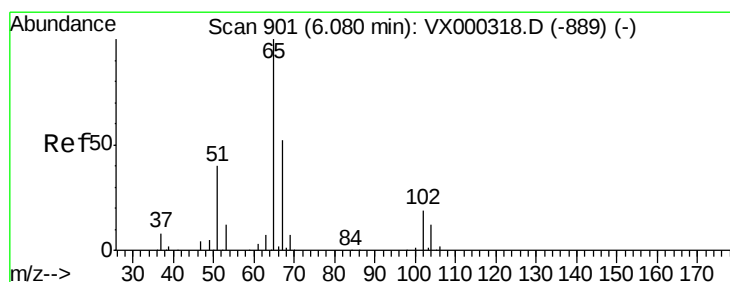
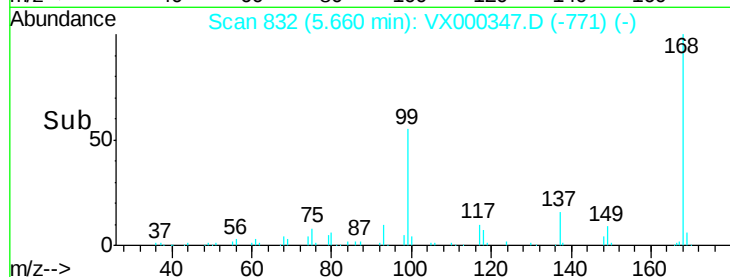
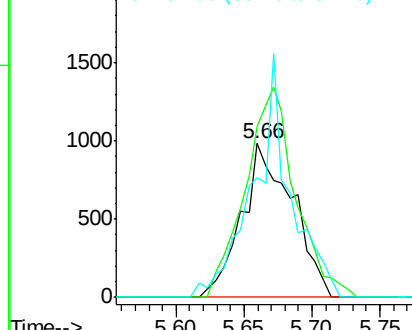
56 100

69 111.1 23.4 35.0#

84 77.2 71.0 106.4



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: 48.71 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000347.D

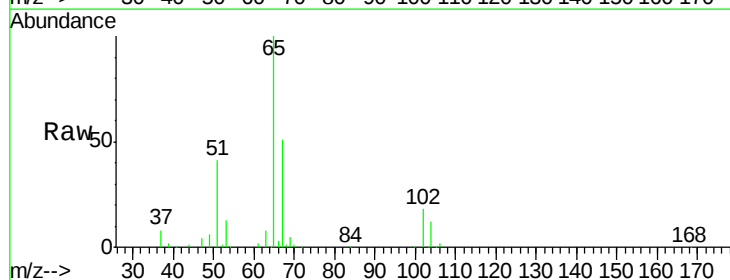
Acq: 16 Mar 2018 14:39

Tgt Ion: 65 Resp: 70808

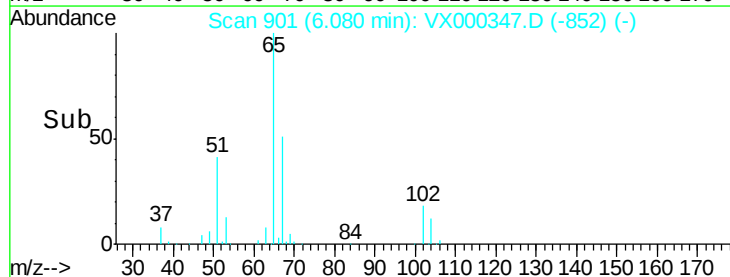
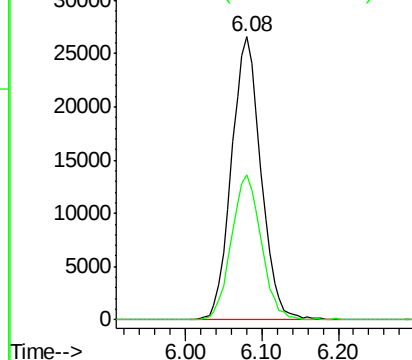
Ion Ratio Lower Upper

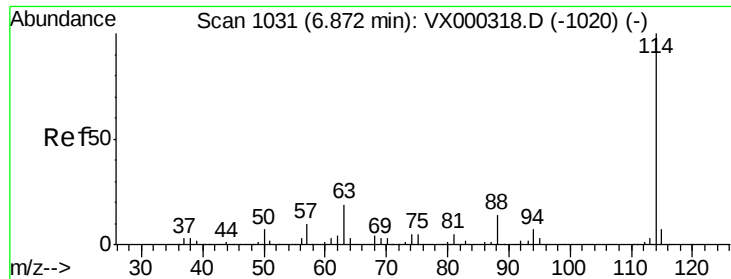
65 100

67 51.9 0.0 103.2



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

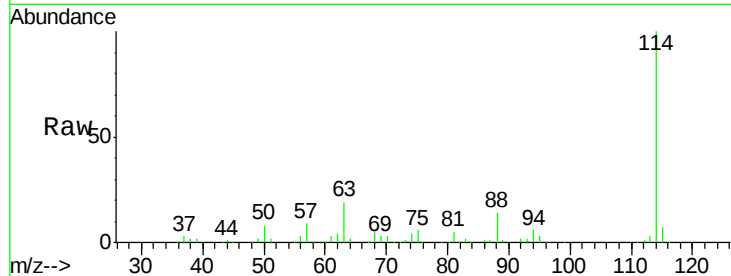




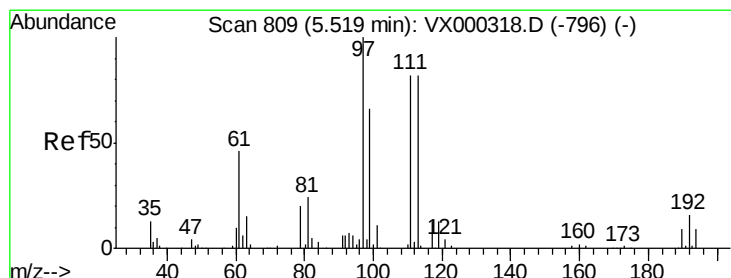
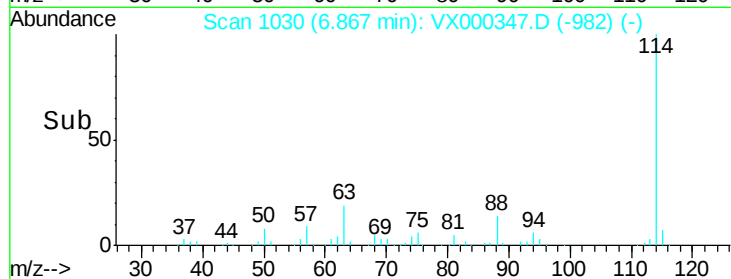
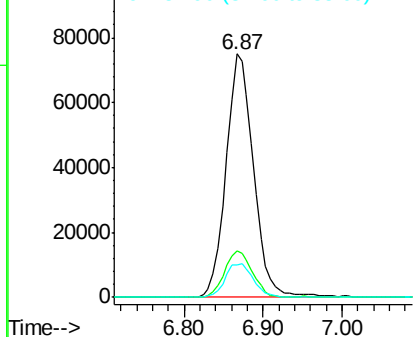
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000347.D
 Acq: 16 Mar 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 182169
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 13.5 0.0 27.0

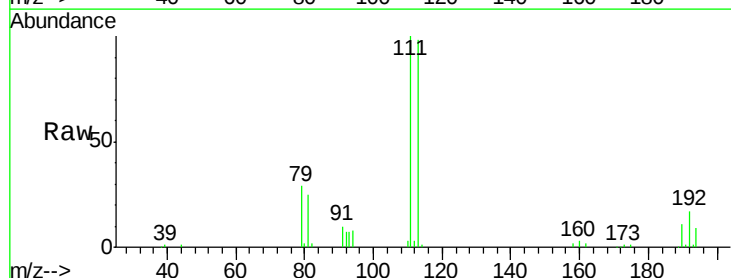


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

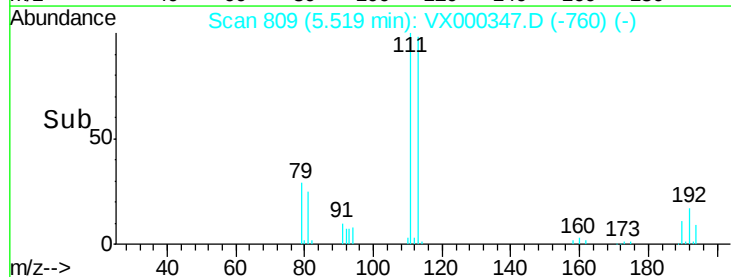
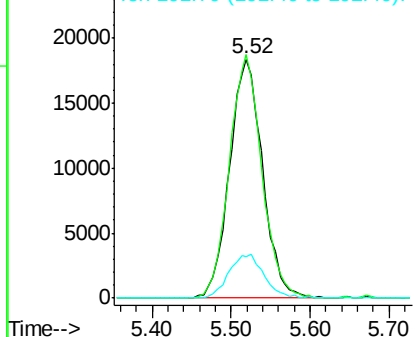


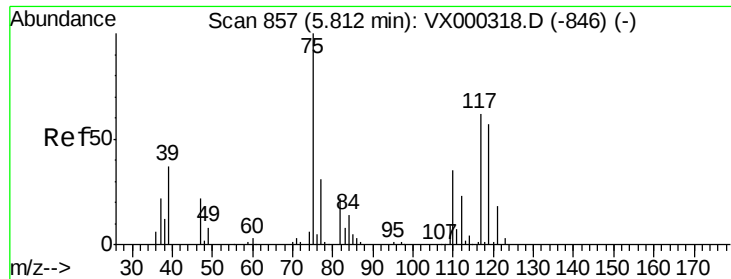
#35
 Dibromofluoromethane
 Concen: 46.34 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: VX000347.D
 Acq: 16 Mar 2018 14:39

Tgt Ion:113 Resp: 53261
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.4 123.6
 192 19.3 15.8 23.6



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

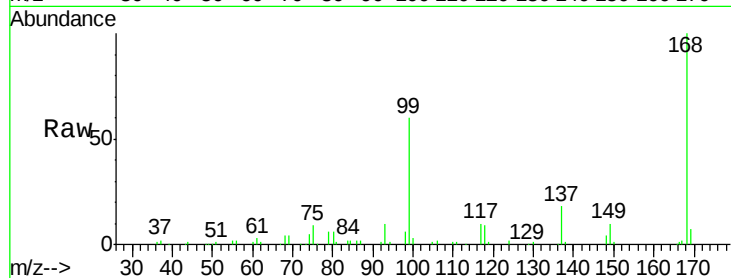




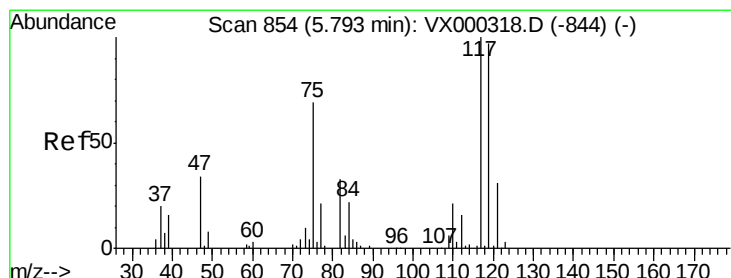
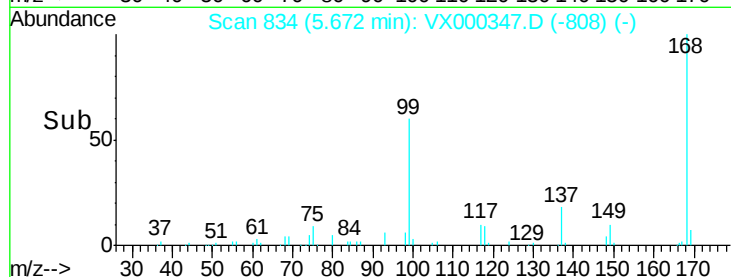
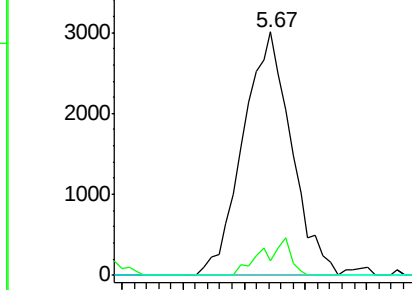
#36
 1,1-Dichloropropene
 Concen: 4.98 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000347.D
 Acq: 16 Mar 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 8243
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.9 53.7#
 77 0.0 24.0 36.0#

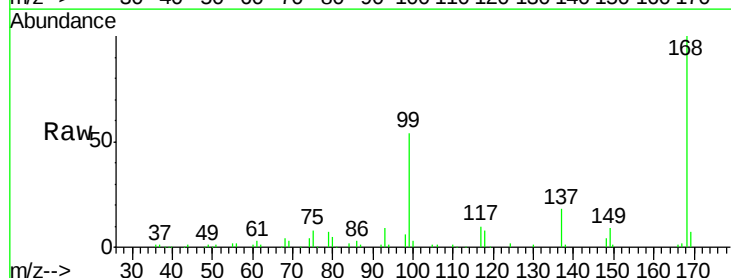


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

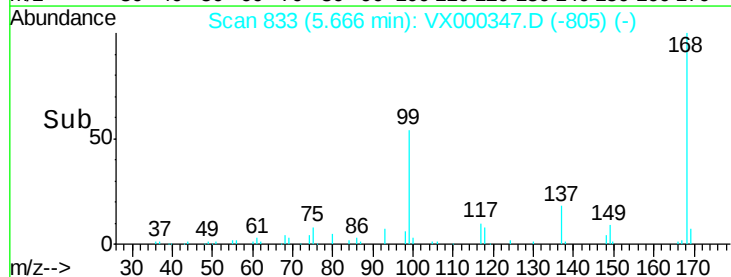
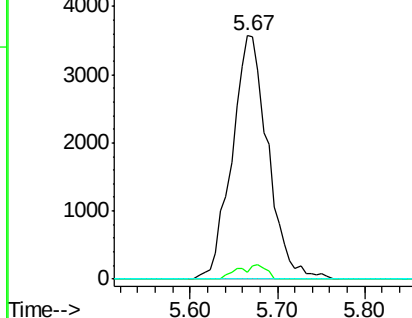


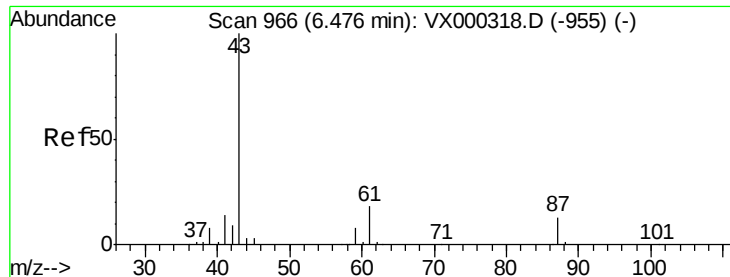
#38
 Carbon Tetrachloride
 Concen: 6.13 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX000347.D
 Acq: 16 Mar 2018 14:39

Tgt Ion: 117 Resp: 10233
 Ion Ratio Lower Upper
 117 100
 119 2.8 77.4 116.2#
 121 0.0 24.8 37.2#



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



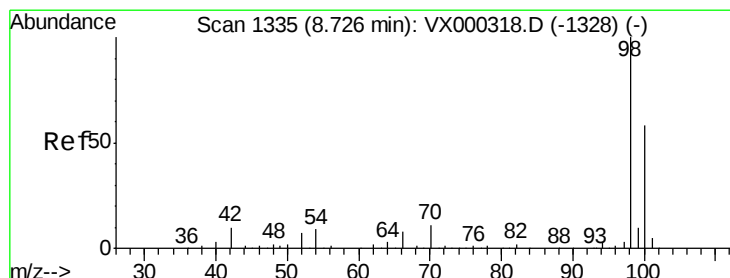
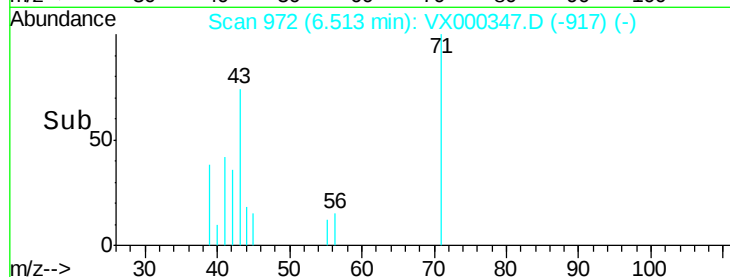
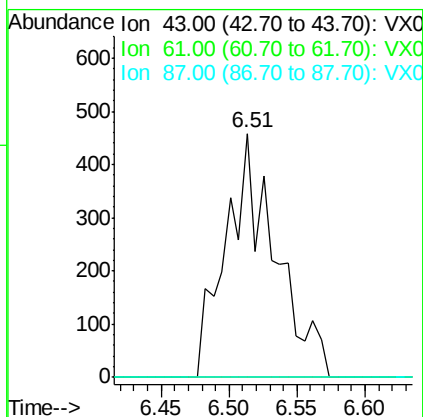
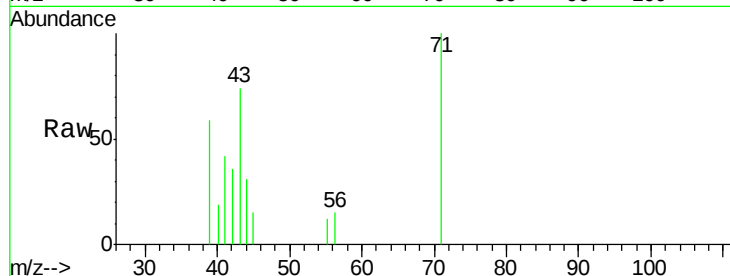


#43

Isopropyl Acetate
 Concen: 0.36 ug/l
 RT: 6.51 min Scan# 972
 Delta R.T. 0.04 min
 Lab File: VX000347.D
 Acq: 16 Mar 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :

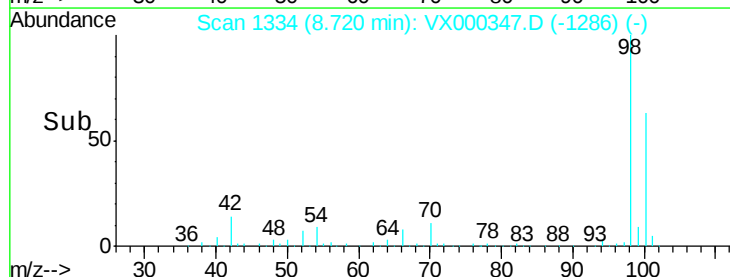
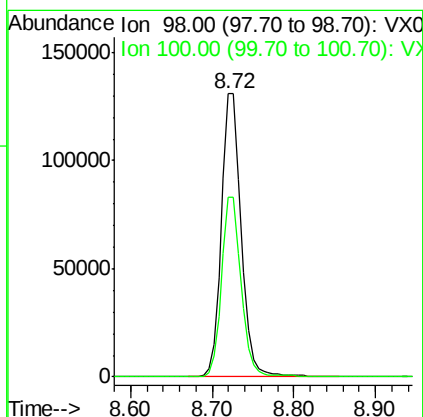
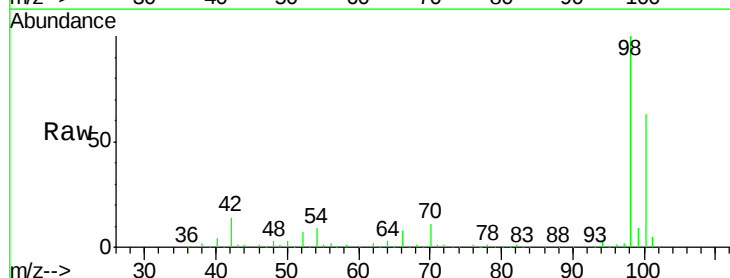
Tot Ion: 43 Resp: 1155
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.4 21.6#
 87 0.0 11.0 16.4#

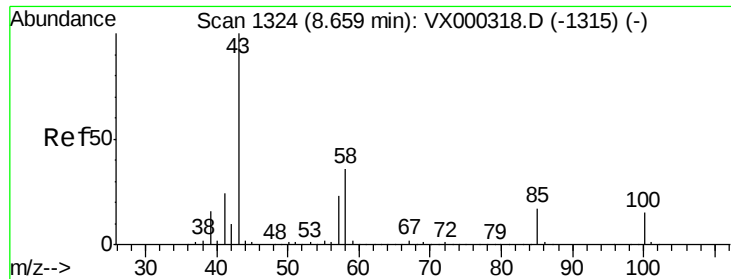


#50

Toluene-d8
 Concen: 46.16 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VX000347.D
 Acq: 16 Mar 2018 14:39

Tgt Ion: 98 Resp: 221335
 Ion Ratio Lower Upper
 98 100
 100 62.7 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.50 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000347.D

Acq: 16 Mar 2018 14:39

Instrument :

MSVOA_X

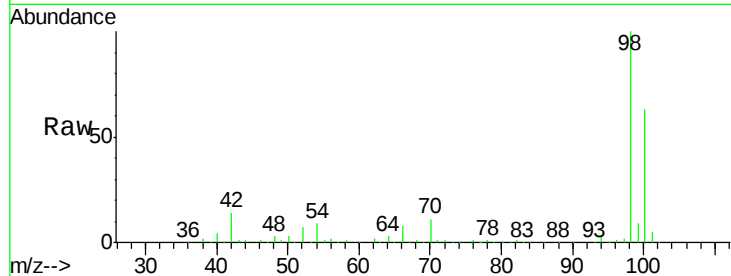
ClientSampled :

Tot Ion: 43 Resp: 1236

Ion Ratio Lower Upper

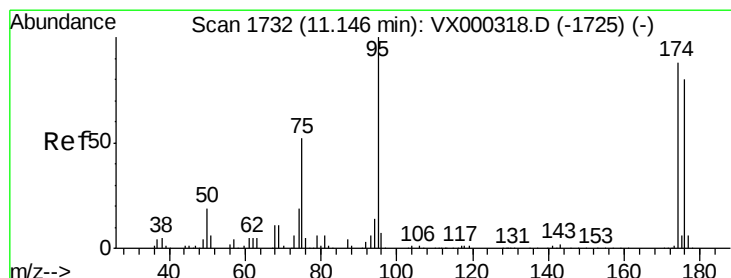
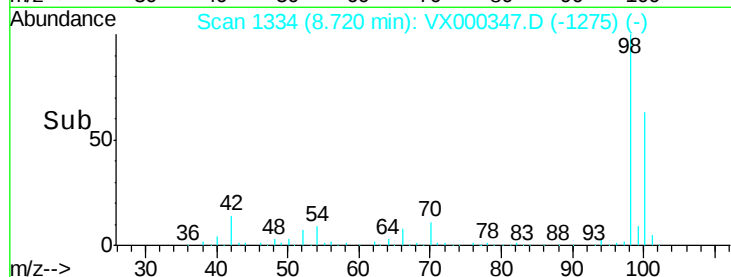
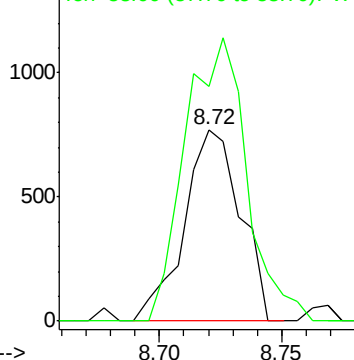
43 100

58 162.5 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 38.62 ug/l

RT: 11.15 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VX000347.D

Acq: 16 Mar 2018 14:39

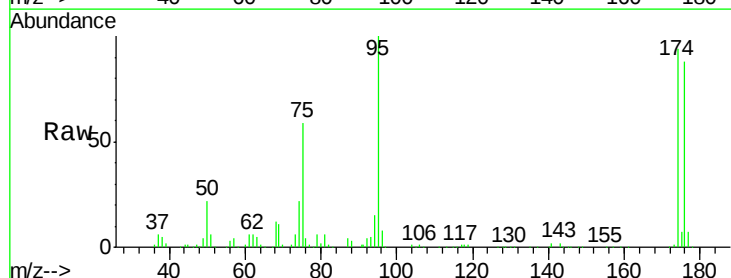
Tgt Ion: 95 Resp: 74255

Ion Ratio Lower Upper

95 100

174 87.5 0.0 173.6

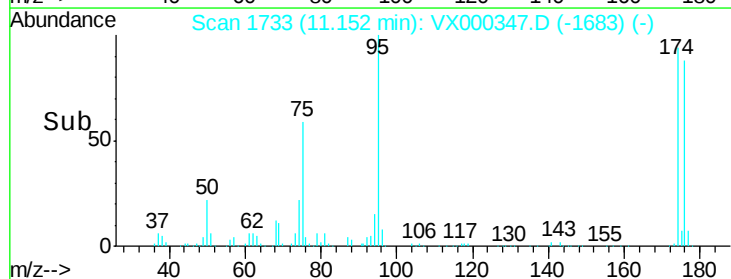
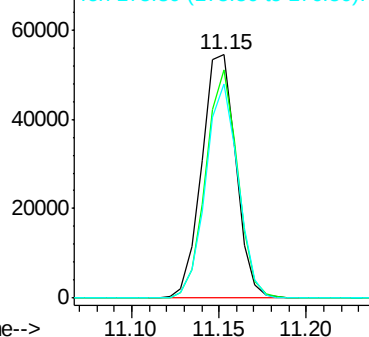
176 84.2 0.0 164.6

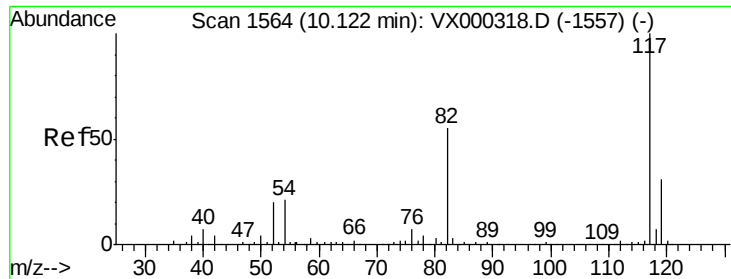


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

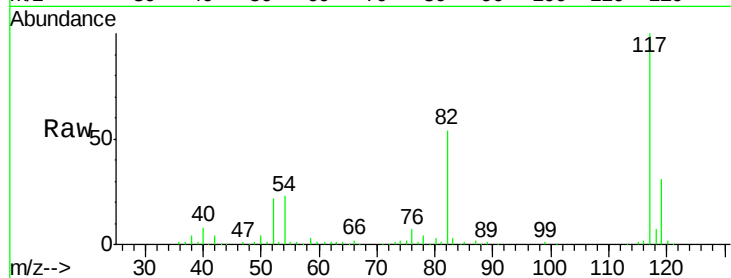




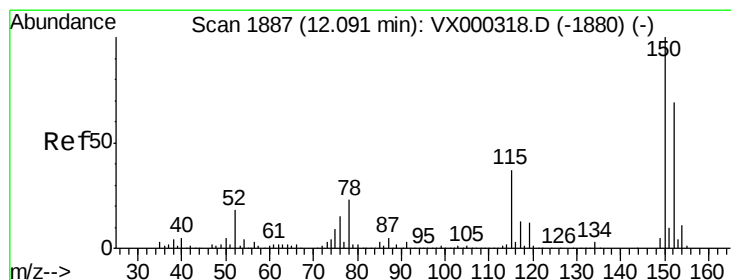
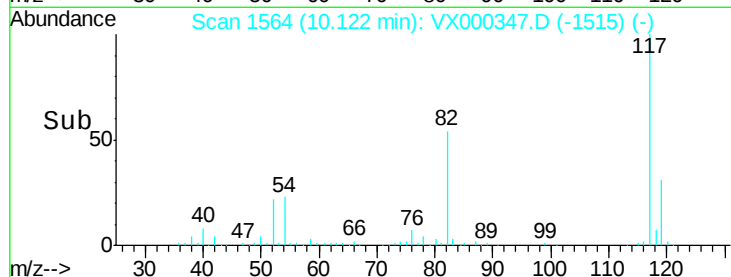
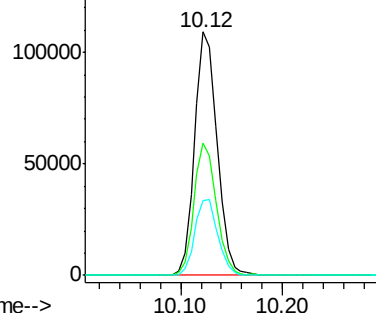
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000347.D
Acq: 16 Mar 2018 14:39

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 167775
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 30.9 24.9 37.3

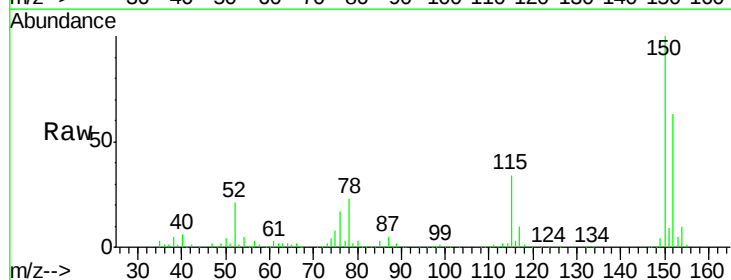


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

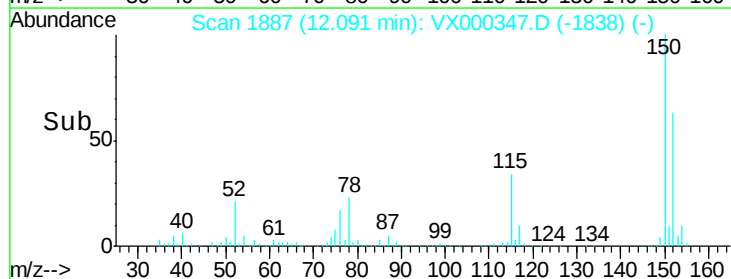
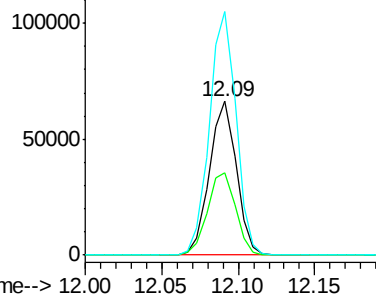


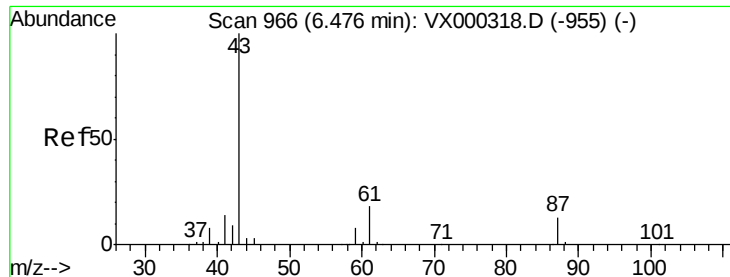
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VX000347.D
Acq: 16 Mar 2018 14:39

Tgt Ion:152 Resp: 80765
Ion Ratio Lower Upper
152 100
115 56.3 39.8 119.3
150 156.9 0.0 344.4



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: 0.50 ug/l

RT: 6.51 min Scan# 972

Delta R.T. 0.04 min

Lab File: VX000347.D

Acq: 16 Mar 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 1155

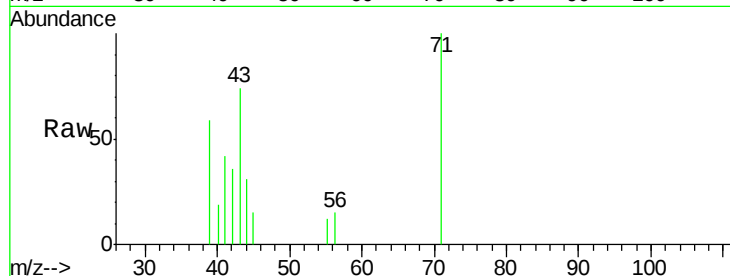
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 11.7 0.0 0.0#

61 0.0 14.4 21.6#

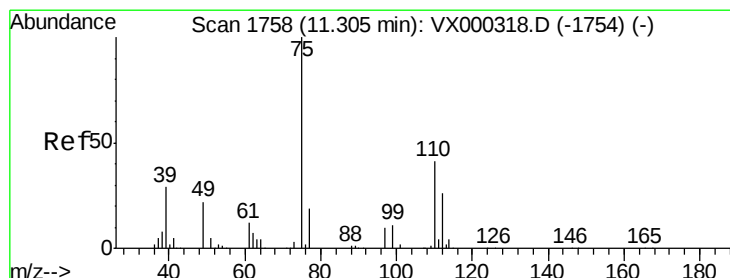
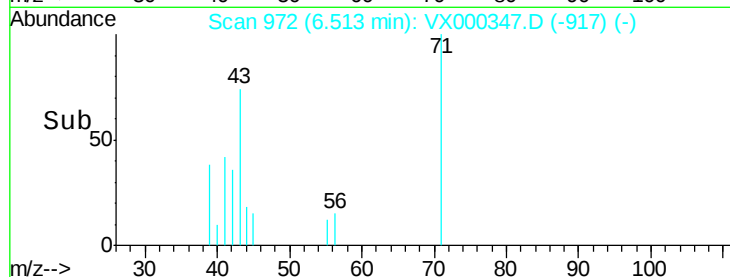
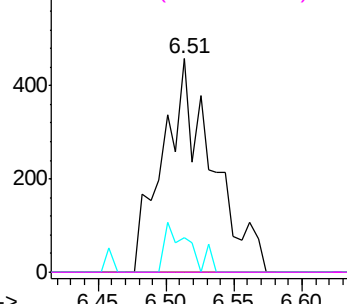


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 28.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000347.D

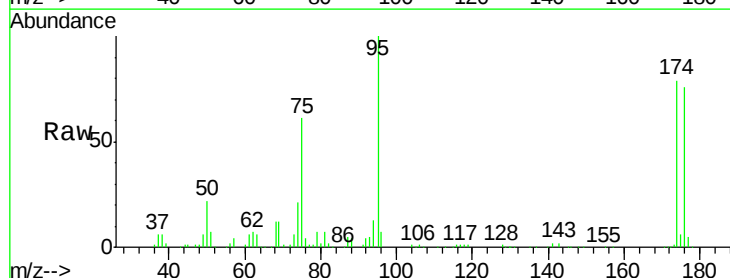
Acq: 16 Mar 2018 14:39

Tgt Ion: 75 Resp: 43558

Ion Ratio Lower Upper

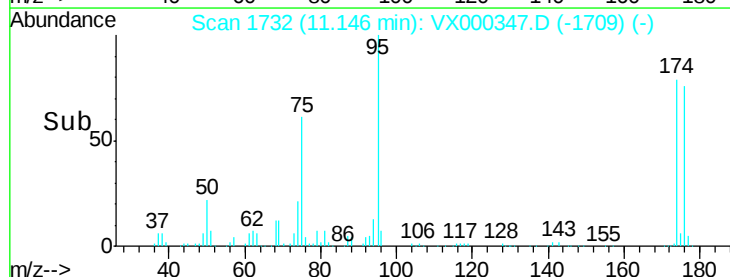
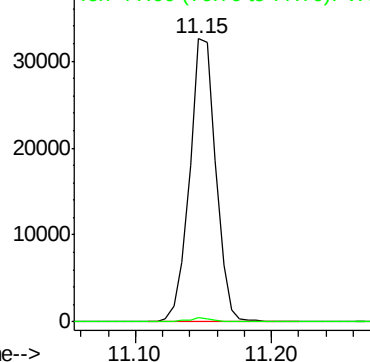
75 100

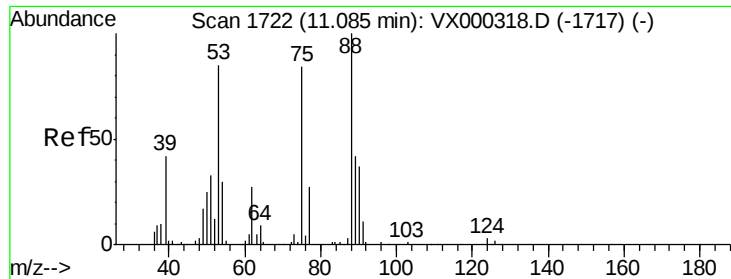
77 1.3 21.4 64.2#



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: 79.84 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000347.D

Acq: 16 Mar 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 43558

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#

