

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000438.D
 Acq On : 26 Mar 2018 14:09
 Operator : JC/MD
 Sample : J1758-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:51:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

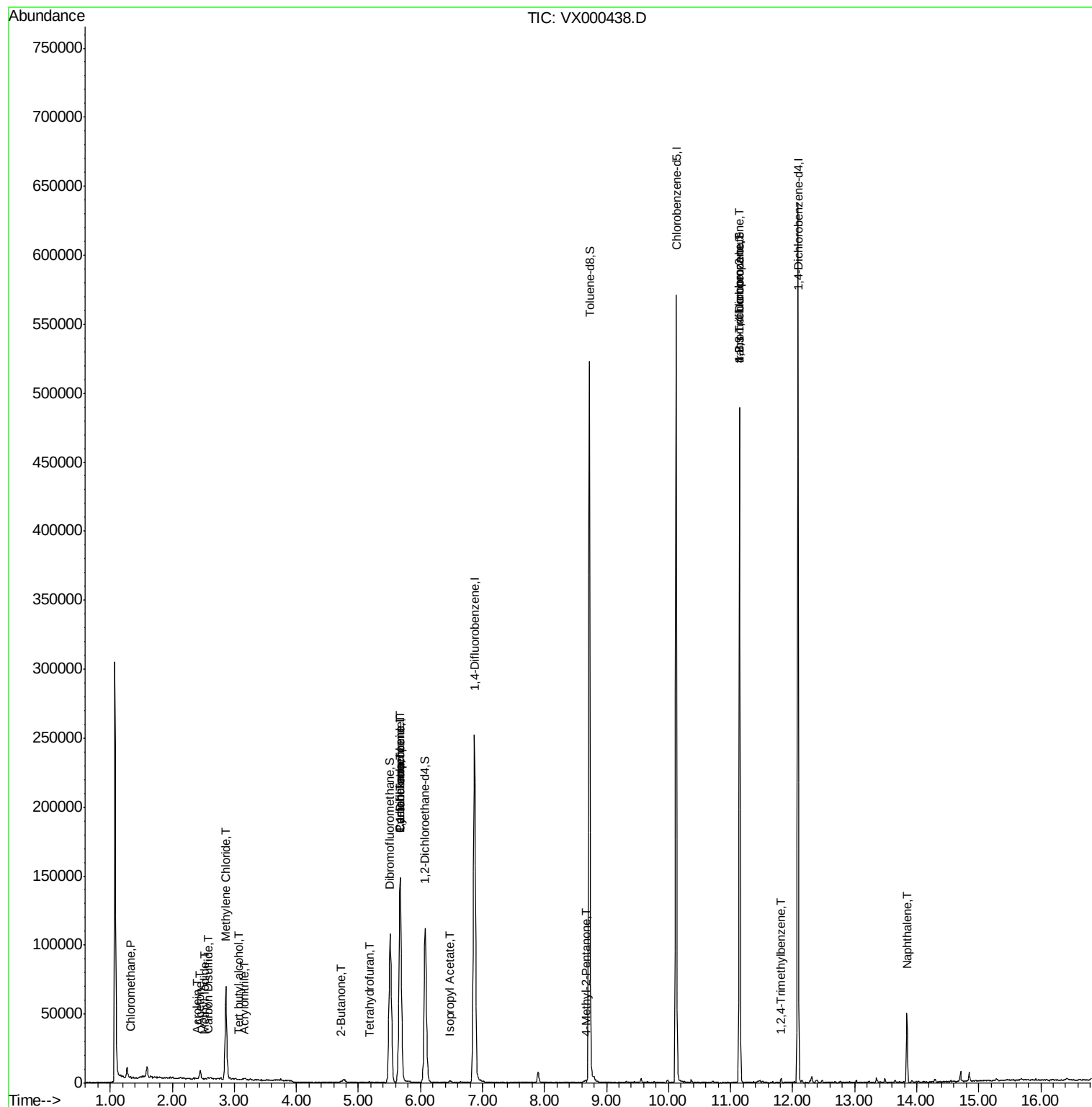
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	142009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	256135	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	246070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	116376	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	104577	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	5.51	113	83177	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	8.73	98	316894	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.15	95	106572	39.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	433	0.263	ug/l #	76
6) Chloroethane	1.71	64	209	Below Cal	#	44
10) Methyl Iodide	2.51	142	63	4.309	ug/l #	71
11) Tert butyl alcohol	3.06	59	197	0.309	ug/l #	72
13) Acrolein	2.40	56	24	14.689	ug/l #	1
14) Allyl chloride	2.71	41	65	Below Cal	#	1
15) Acrylonitrile	3.15	53	494	0.383	ug/l #	74
16) Acetone	2.45	43	6850	4.442	ug/l #	87
17) Carbon Disulfide	2.58	76	841	0.220	ug/l #	47
20) Methylene Chloride	2.86	84	29513	16.570	ug/l	91
25) 2-Butanone	4.71	43	1385	0.799	ug/l #	71
29) Tetrahydrofuran	5.18	42	369	0.346	ug/l #	52
31) Cyclohexane	5.67	56	3443	1.472	ug/l #	55
36) 1,1-Dichloropropene	5.67	75	10710	4.464	ug/l #	51
38) Carbon Tetrachloride	5.67	117	13477	5.354	ug/l #	15
43) Isopropyl Acetate	6.48	43	1626	0.333	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1125	0.298	ug/l #	76
74) N-amyl acetate	6.48	43	1626	Below Cal	#	99
76) 1,2,3-Trichloropropane	11.15	75	61957	24.772	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	61957	80.202	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1470	0.216	ug/l	91
95) Naphthalene	13.84	128	27693	2.912	ug/l	100

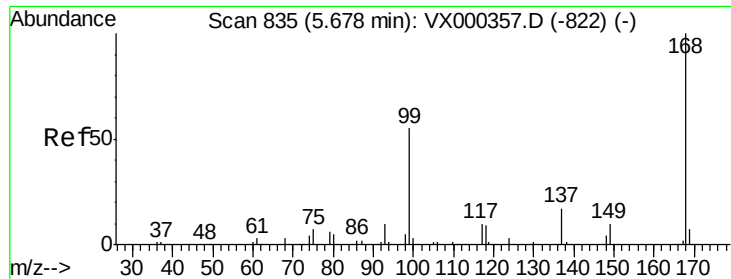
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :

MSVOA_X

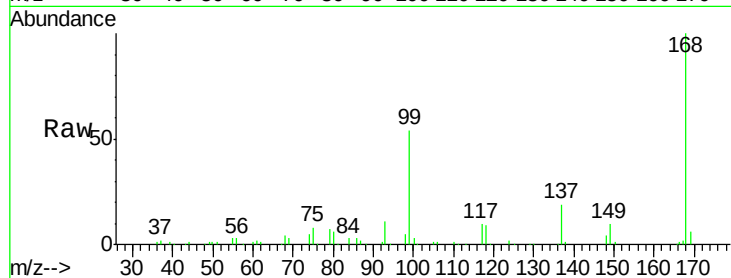
ClientSampleId :

Tot Ion:168 Resp: 142009

Ion Ratio Lower Upper

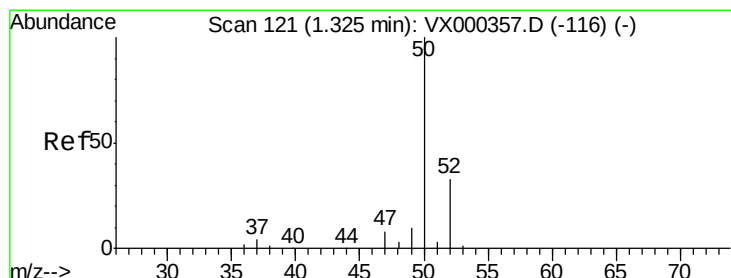
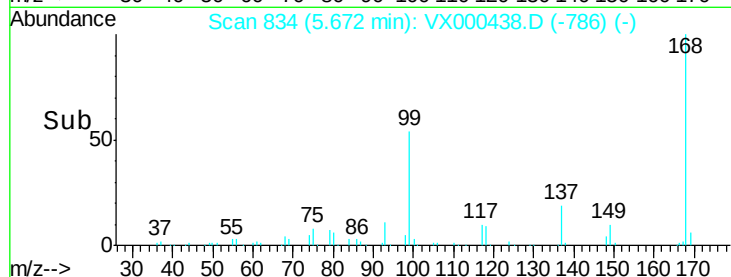
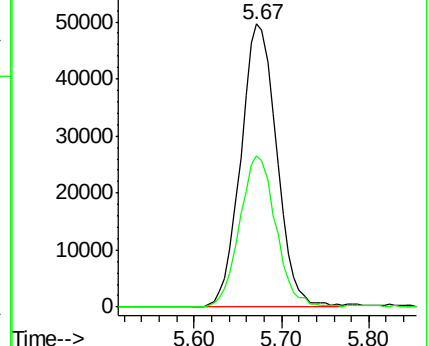
168 100

99 53.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.263 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000438.D

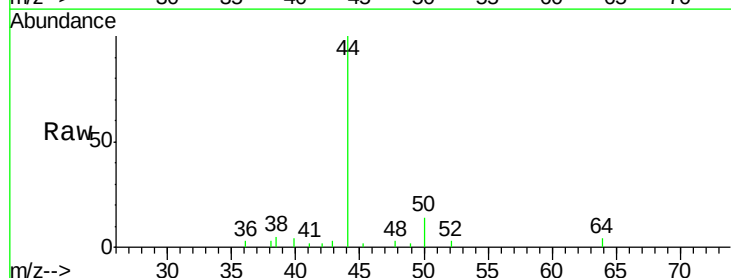
Acq: 26 Mar 2018 14:09

Tgt Ion: 50 Resp: 433

Ion Ratio Lower Upper

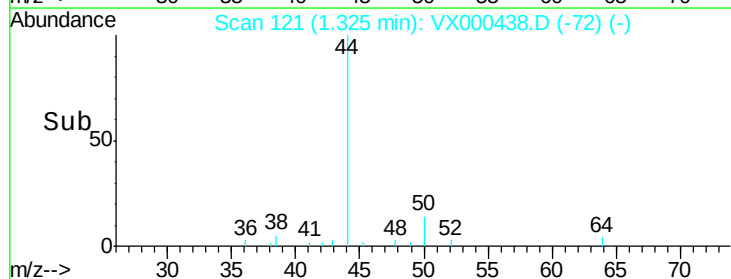
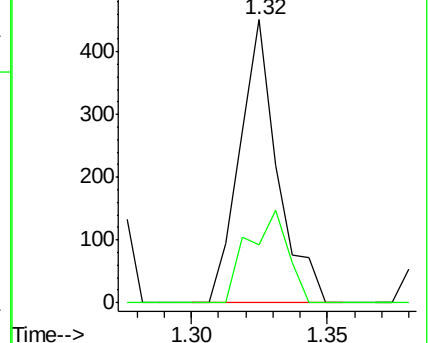
50 100

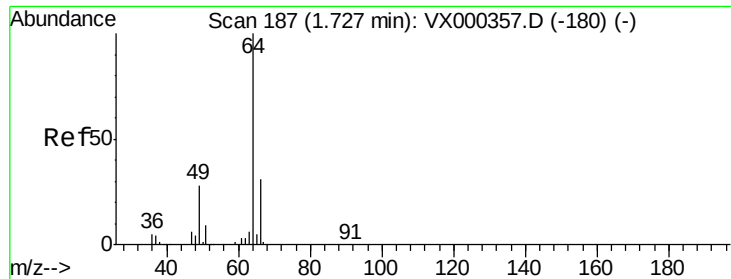
52 20.4 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :

MSVOA_X

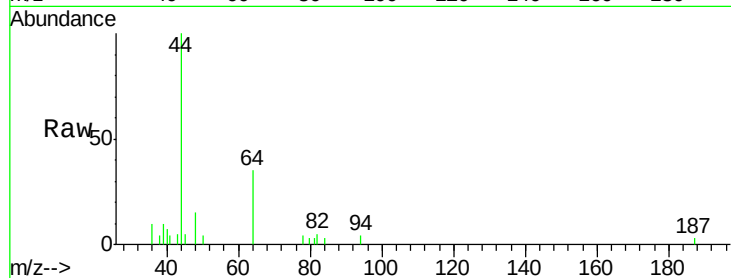
ClientSampled :

Tot Ion: 64 Resp: 209

Ion Ratio Lower Upper

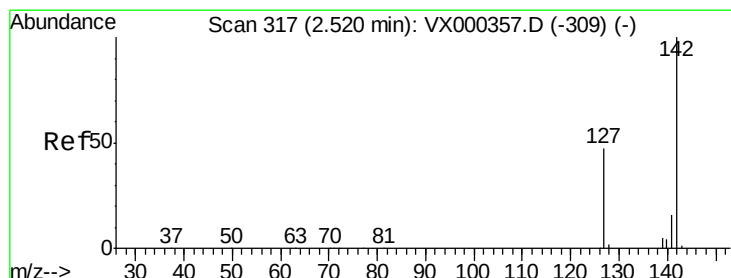
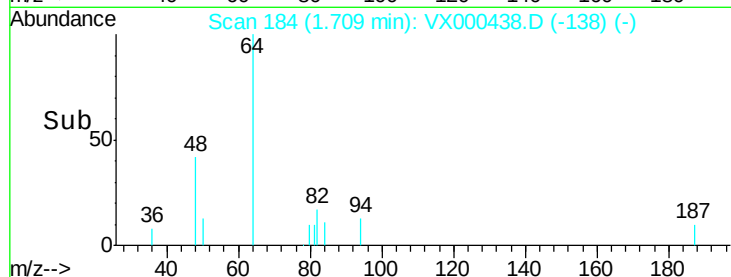
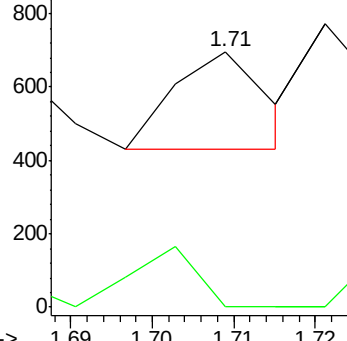
64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.309 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

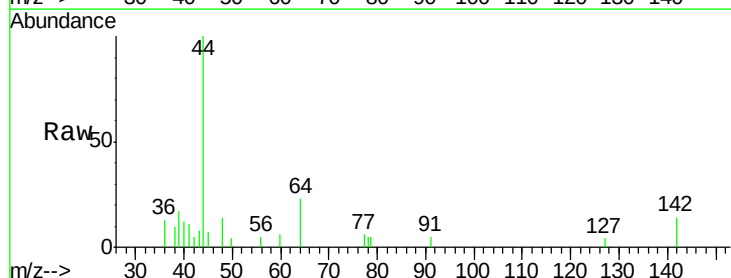
Tgt Ion: 142 Resp: 63

Ion Ratio Lower Upper

142 100

127 30.2 39.2 58.8#

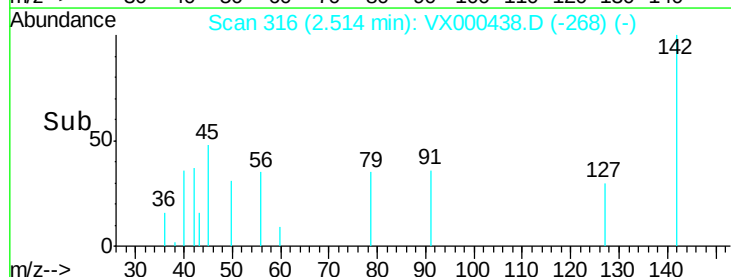
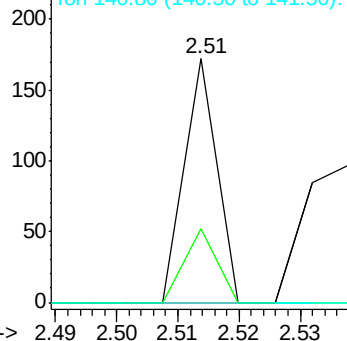
141 0.0 11.7 17.5#

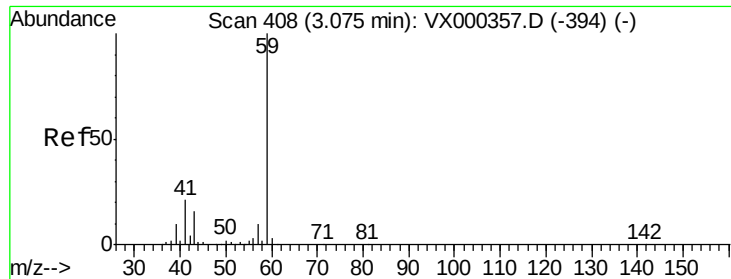


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

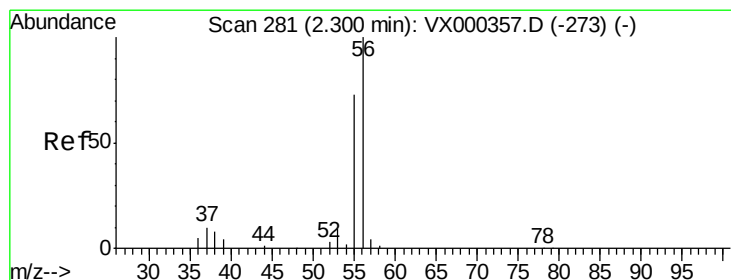
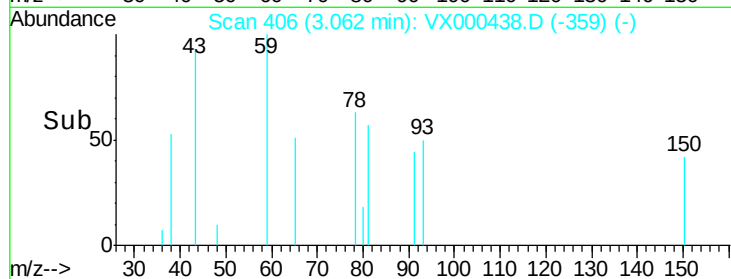
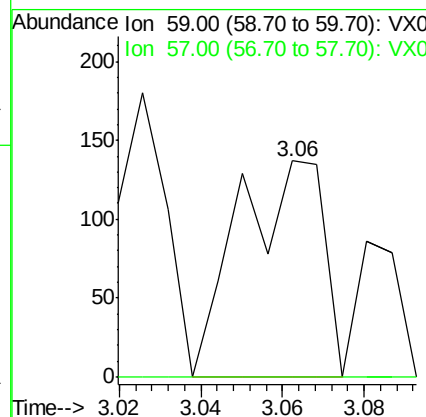
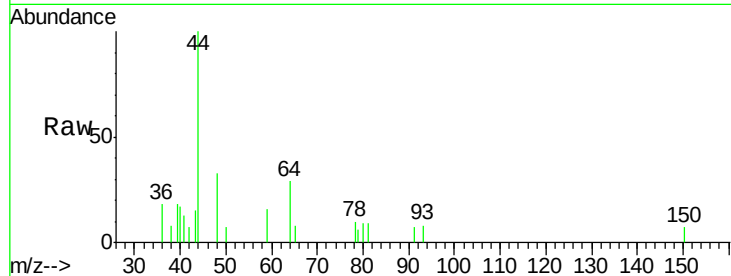




#11
Tert butyl alcohol
Concen: 0.309 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX000438.D
Acq: 26 Mar 2018 14:09

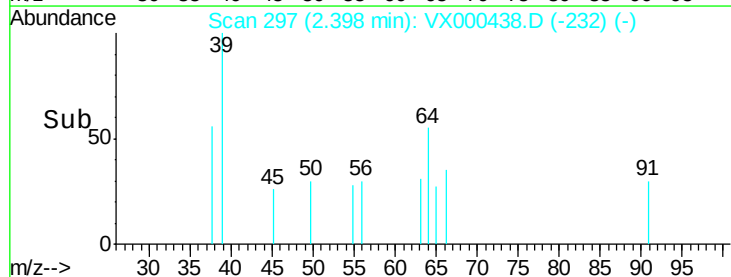
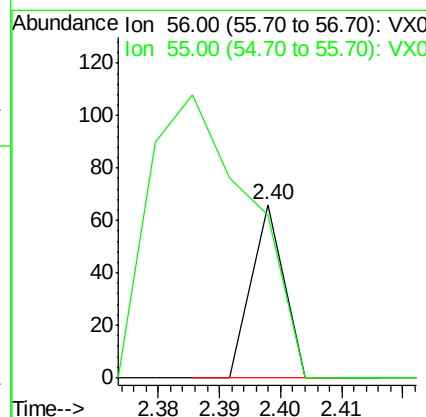
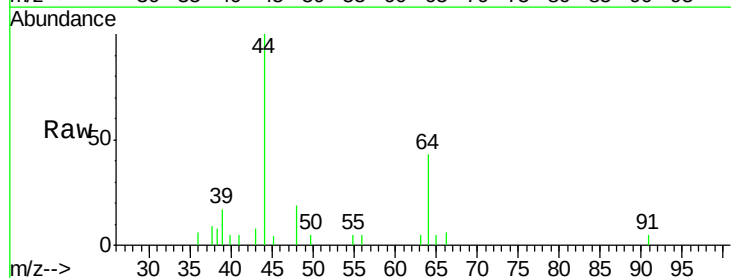
Instrument :
MSVOA_X
ClientSampled :

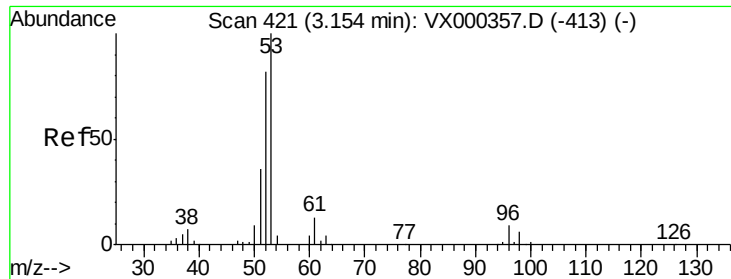
Tot Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 14.689 ug/l
RT: 2.40 min Scan# 297
Delta R.T. 0.10 min
Lab File: VX000438.D
Acq: 26 Mar 2018 14:09

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 512.5 58.8 88.2#





#15

Acrylonitrile

Concen: 0.383 ug/l

RT: 3.15 min Scan# 420

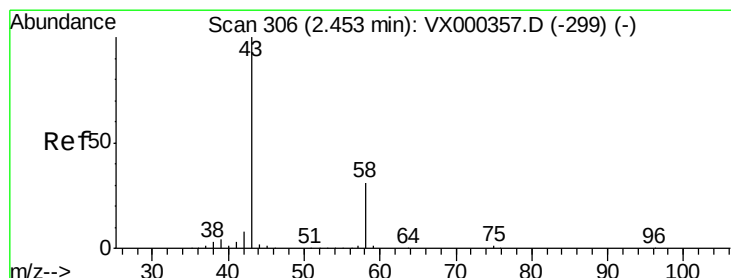
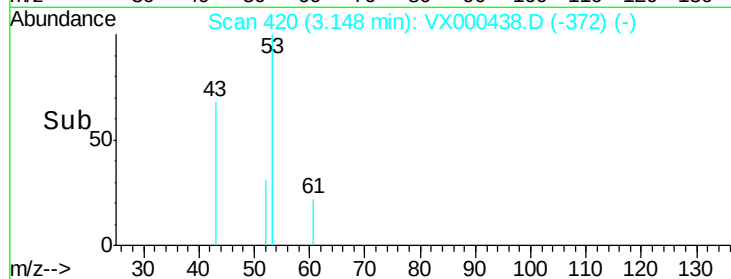
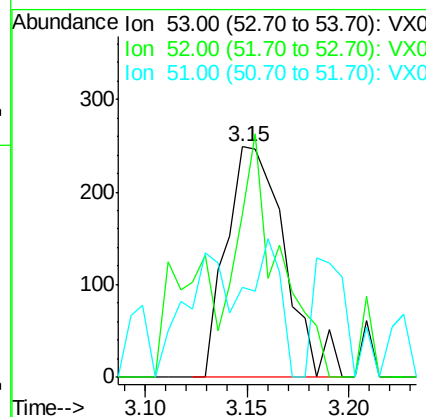
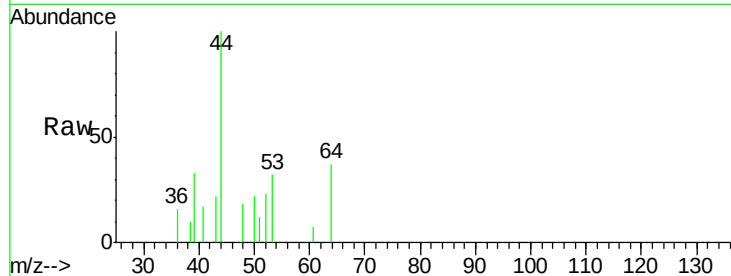
Delta R.T. -0.01 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	494
Ion	Ratio	Lower	Upper
53	100		
52	74.5	66.6	99.8
51	0.0	29.3	43.9#



#16

Acetone

Concen: 4.442 ug/l

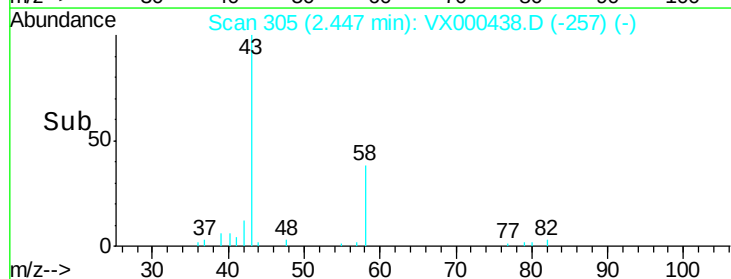
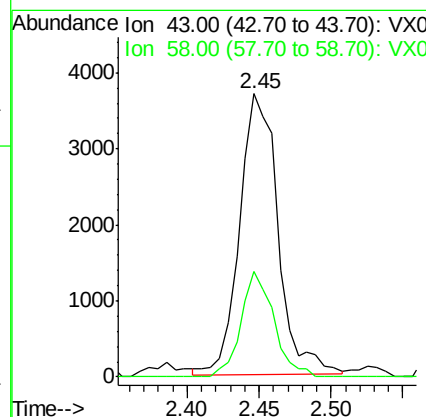
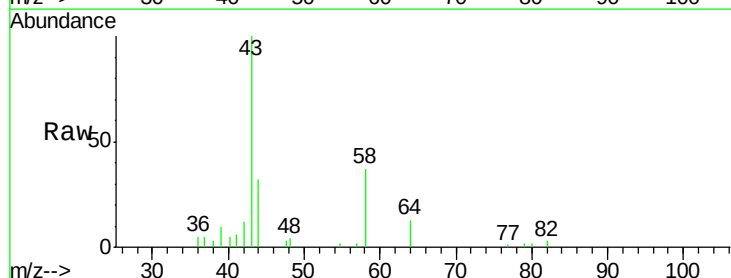
RT: 2.45 min Scan# 305

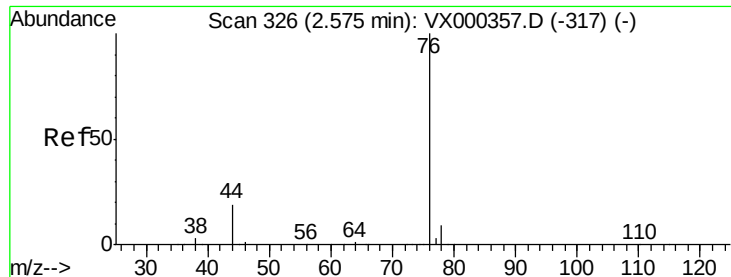
Delta R.T. -0.01 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Tgt Ion:	43	Resp:	6850
Ion	Ratio	Lower	Upper
43	100		
58	37.9	24.7	37.1#





#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :

MSVOA_X

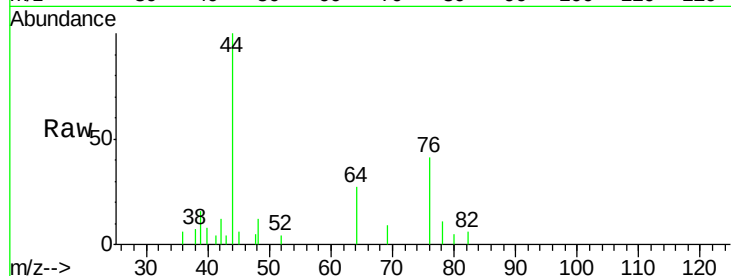
ClientSampleId :

Tot Ion: 76 Resp: 841

Ion Ratio Lower Upper

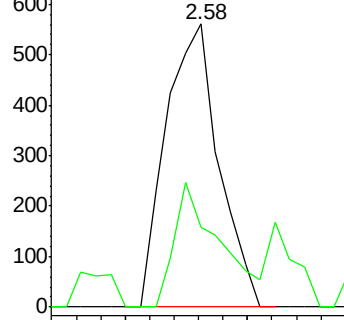
76 100

78 28.0 7.0 10.6#

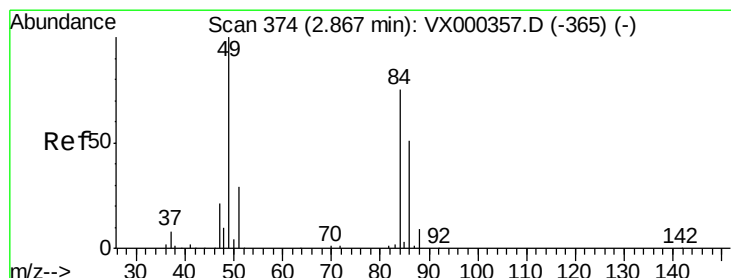
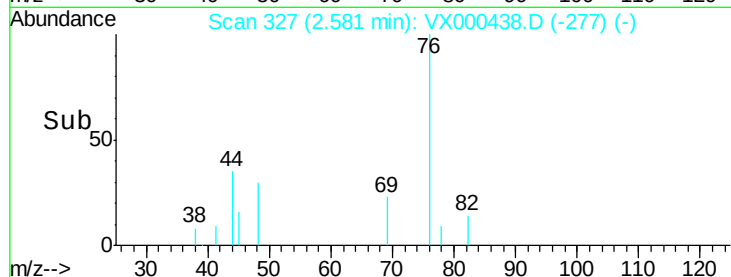


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#20

Methylene Chloride

Concen: 16.570 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Tgt Ion: 84 Resp: 29513

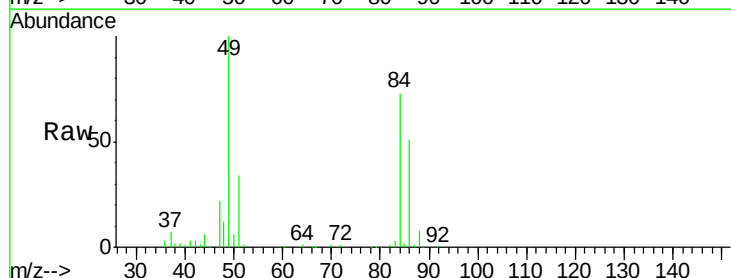
Ion Ratio Lower Upper

84 100

49 137.2 100.6 151.0

51 46.2 31.6 47.4

86 70.0 52.6 78.8

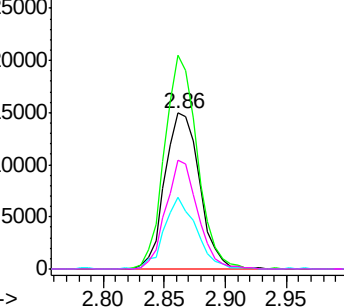


Abundance Ion 83.90 (83.60 to 84.60): VX0

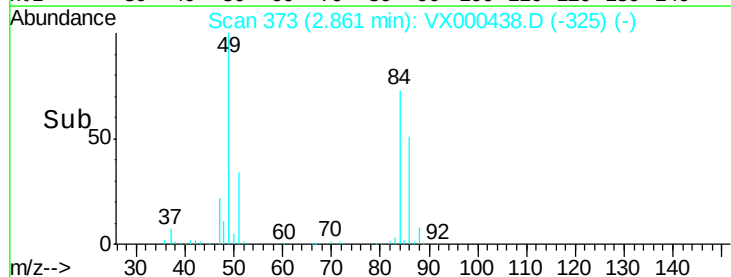
Ion 48.90 (48.60 to 49.60): VX0

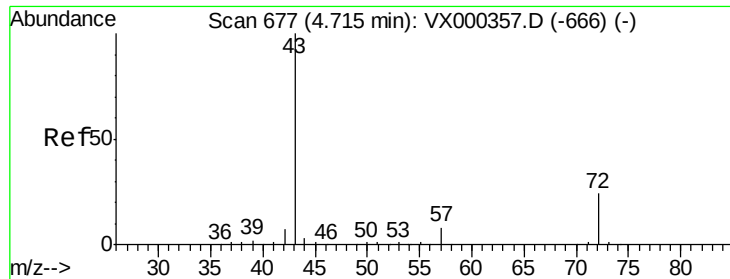
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->





#25

2-Butanone

Concen: 0.799 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :

MSVOA_X

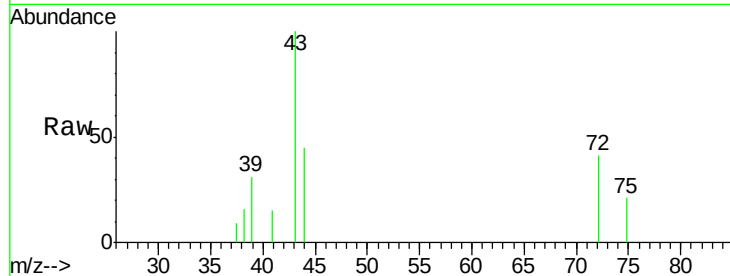
ClientSampled :

Tot Ion: 43 Resp: 1385

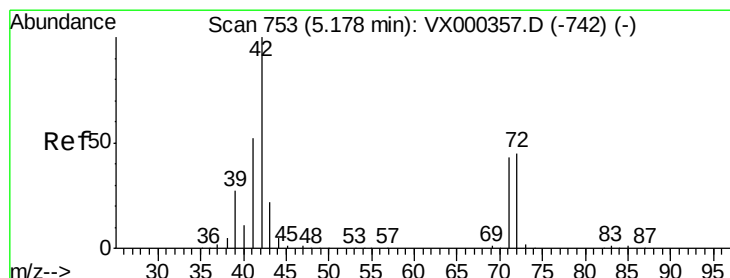
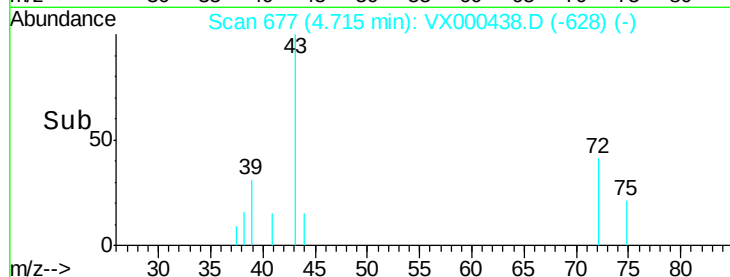
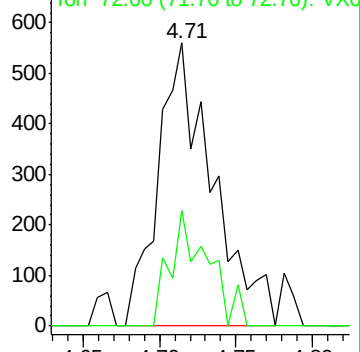
Ion Ratio Lower Upper

43 100

72 41.1 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.346 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

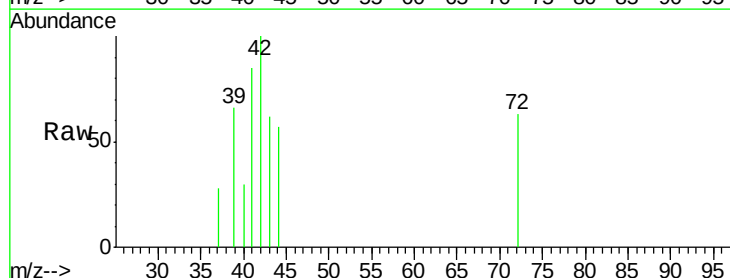
Tgt Ion: 42 Resp: 369

Ion Ratio Lower Upper

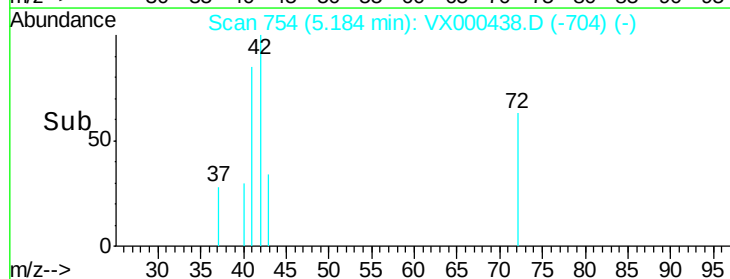
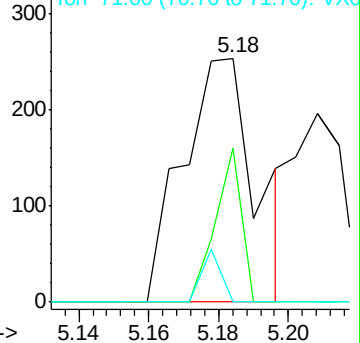
42 100

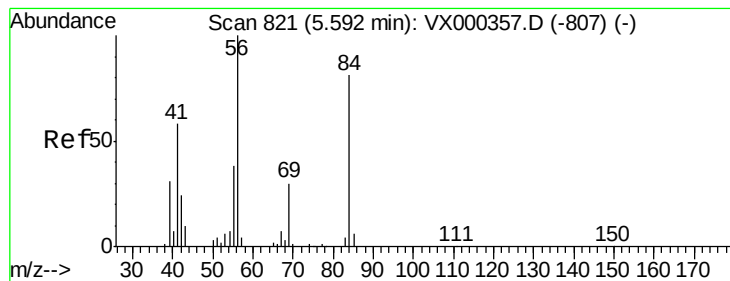
72 22.2 37.9 56.9#

71 5.4 34.4 51.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0





#31

Cyclohexane

Concen: 1.472 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

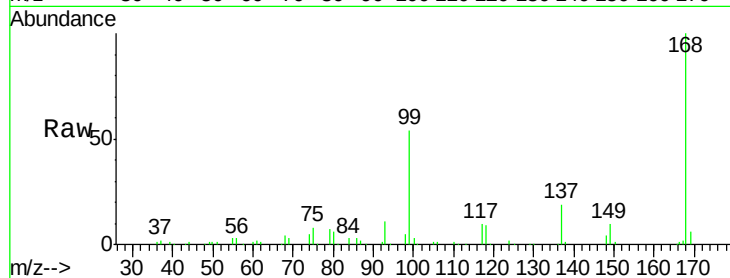
Tot Ion: 56 Resp: 3443

Ion Ratio Lower Upper

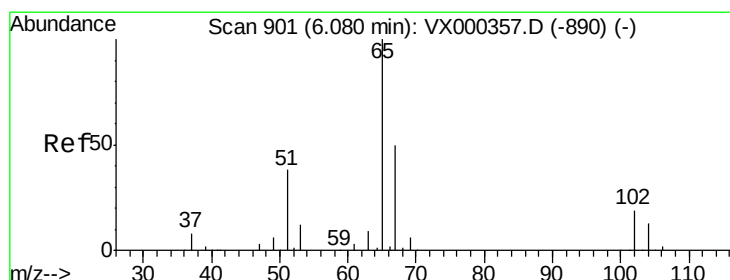
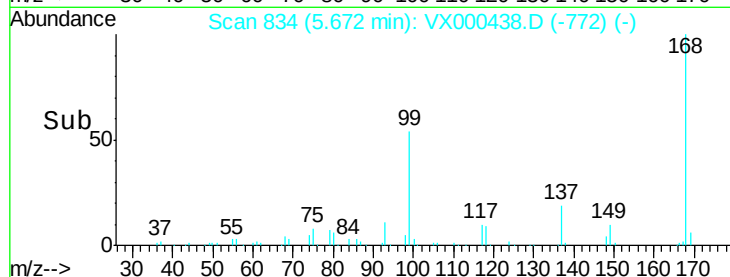
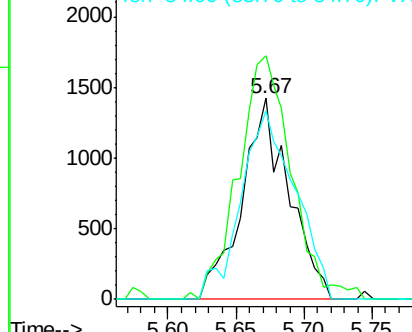
56 100

69 117.4 23.4 35.0#

84 93.7 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: 56.415 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000438.D

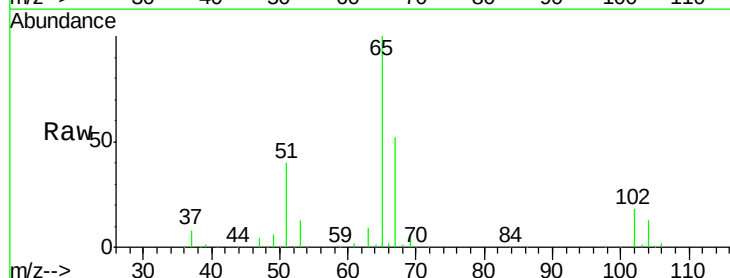
Acq: 26 Mar 2018 14:09

Tgt Ion: 65 Resp: 104577

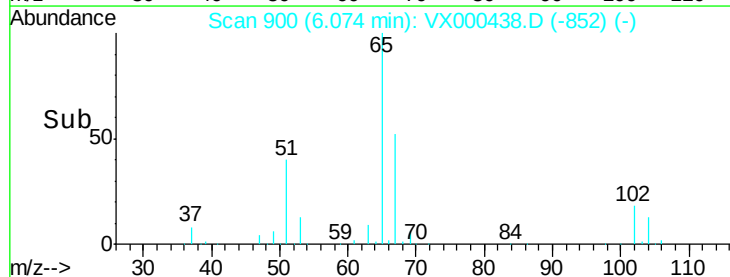
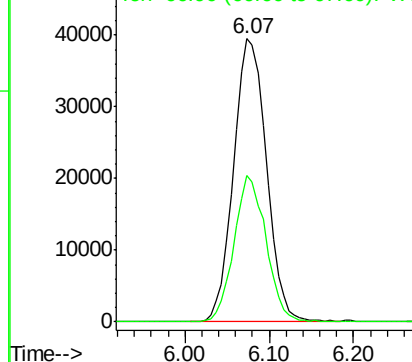
Ion Ratio Lower Upper

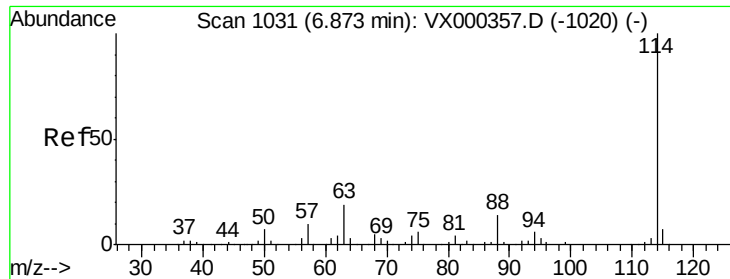
65 100

67 50.1 0.0 103.2



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

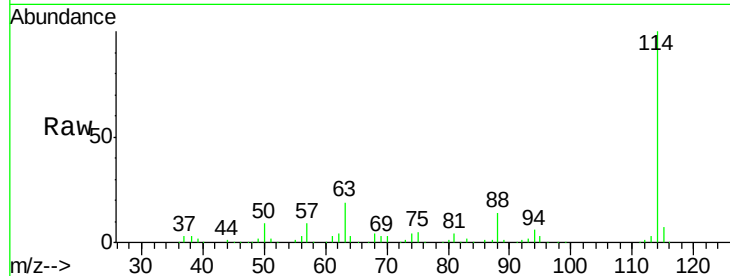




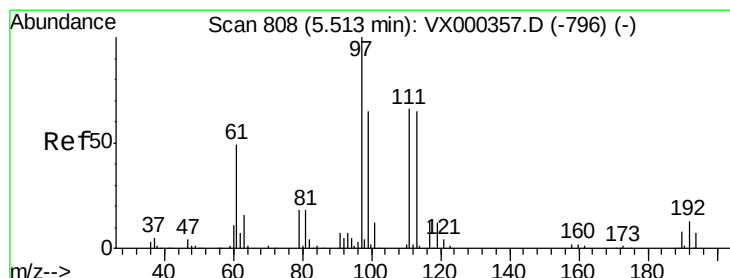
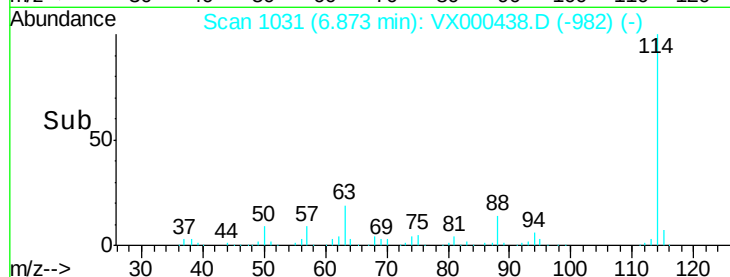
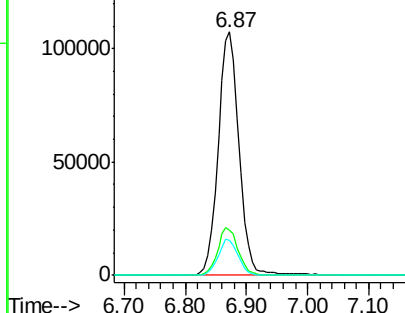
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000438.D
 Acq: 26 Mar 2018 14:09

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:114 Resp: 256135
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 14.5 0.0 27.0

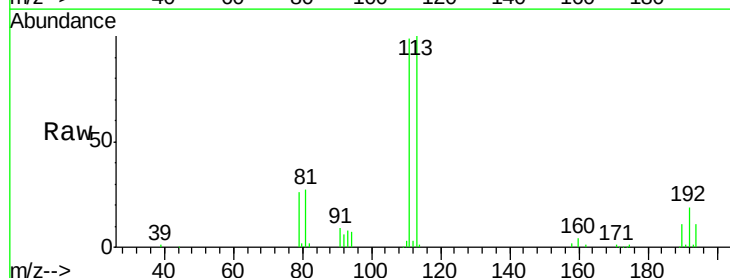


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

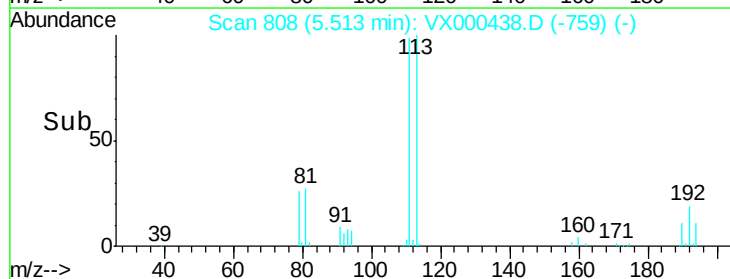
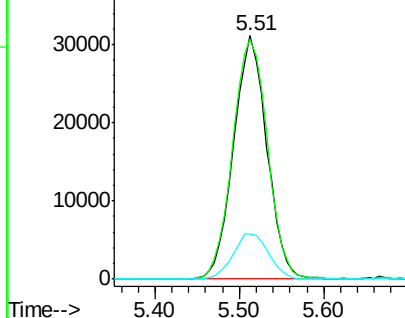


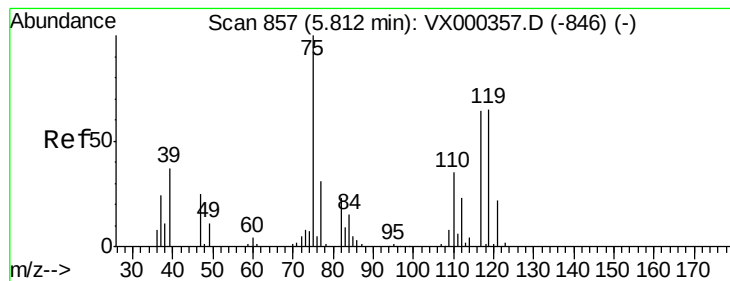
#35
 Dibromofluoromethane
 Concen: 51.539 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000438.D
 Acq: 26 Mar 2018 14:09

Tgt Ion:113 Resp: 83177
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.4 123.6
 192 20.0 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: 4.464 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

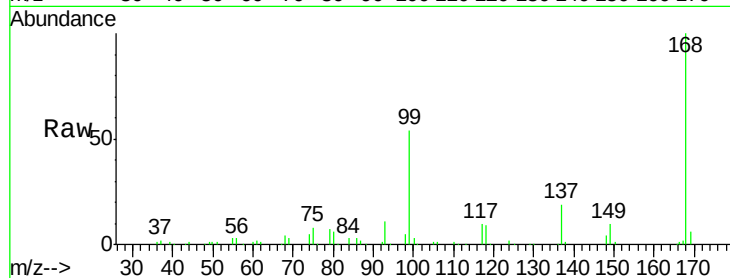
Tot Ion: 75 Resp: 10710

Ion Ratio Lower Upper

75 100

110 9.8 17.9 53.7#

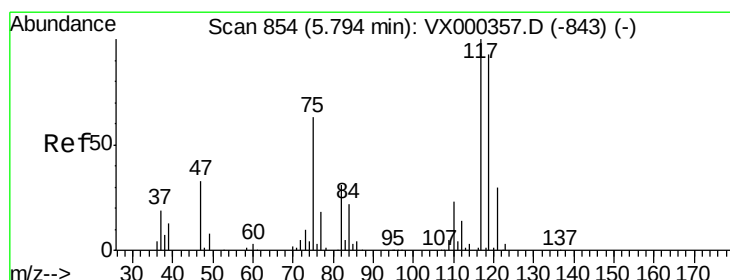
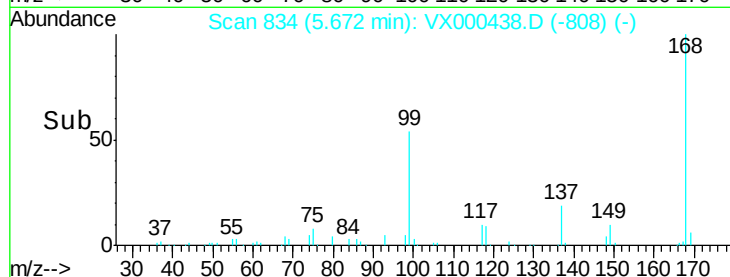
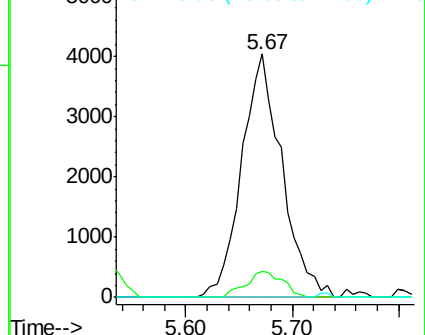
77 0.0 24.0 36.0#



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: 5.354 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

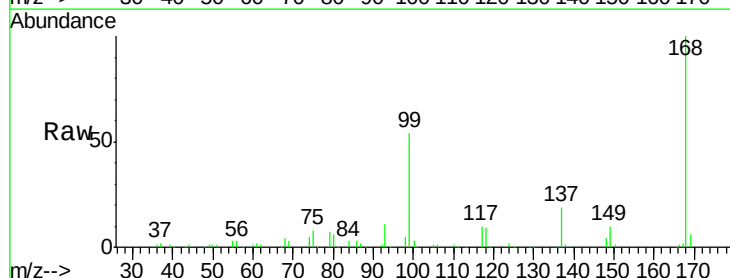
Tgt Ion: 117 Resp: 13477

Ion Ratio Lower Upper

117 100

119 4.8 77.4 116.2#

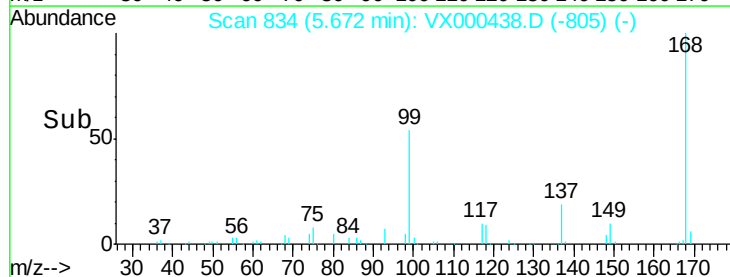
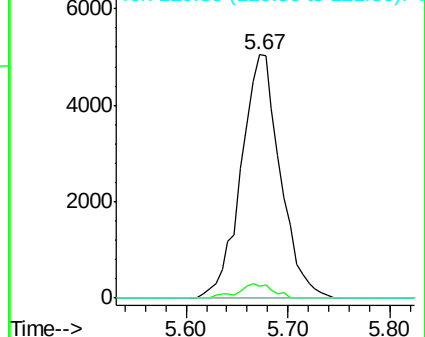
121 0.0 24.8 37.2#

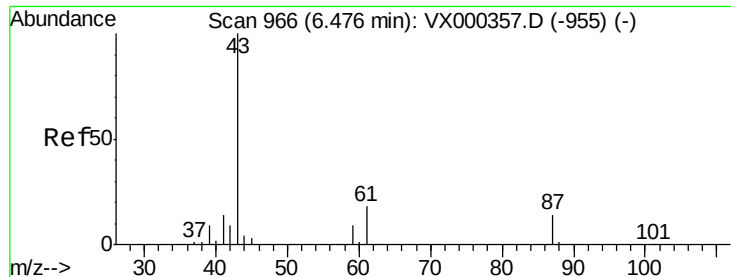


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.333 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

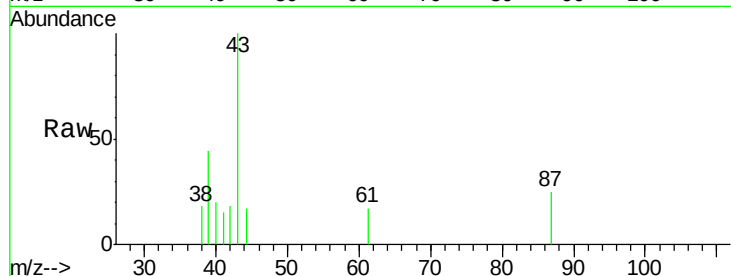
Tot Ion: 43 Resp: 1626

Ion Ratio Lower Upper

43 100

61 17.3 14.4 21.6

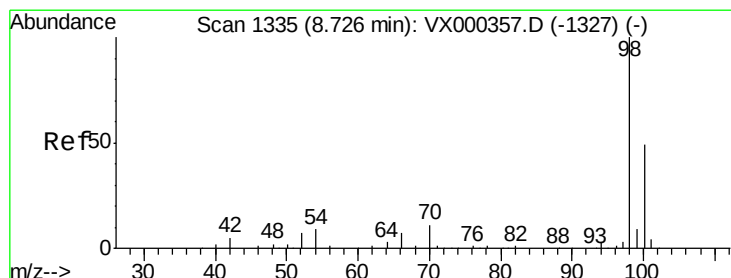
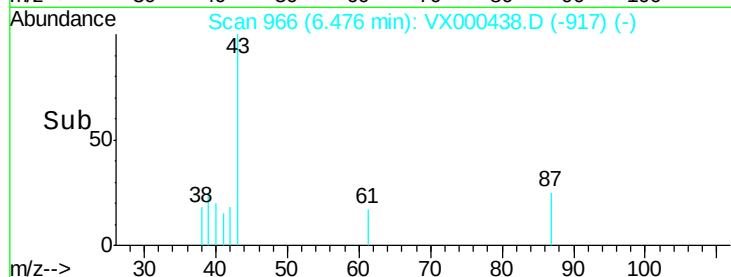
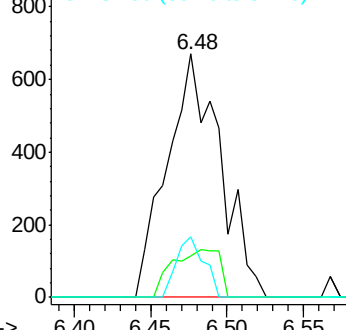
87 12.9 11.0 16.4



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: 47.410 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000438.D

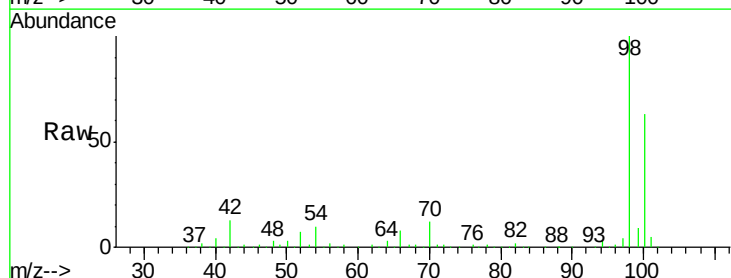
Acq: 26 Mar 2018 14:09

Tgt Ion: 98 Resp: 316894

Ion Ratio Lower Upper

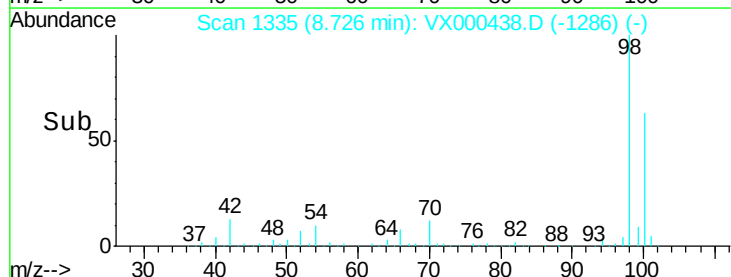
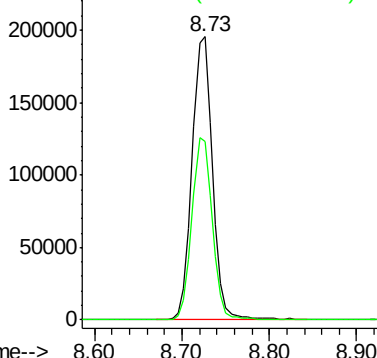
98 100

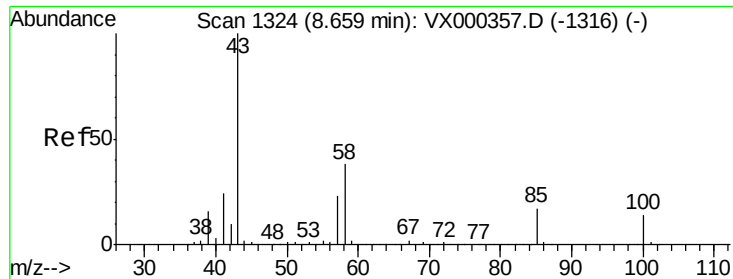
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.298 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :

MSVOA_X

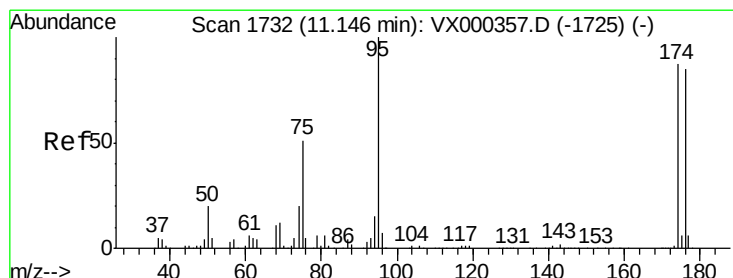
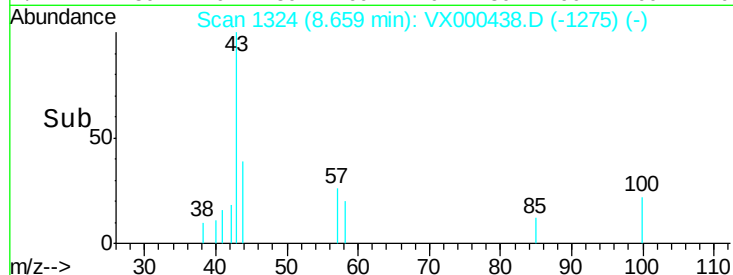
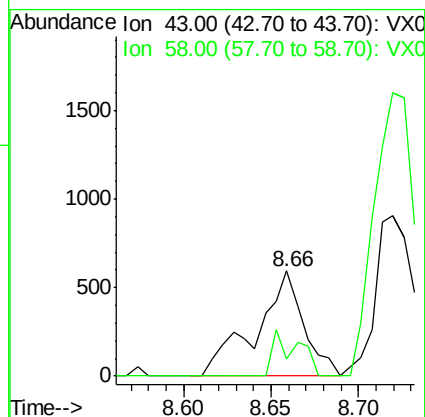
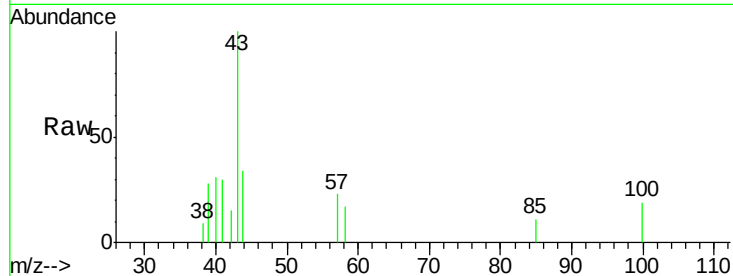
ClientSampleId :

Tot Ion: 43 Resp: 1125

Ion Ratio Lower Upper

43 100

58 23.5 30.3 45.5#



#62

4-Bromofluorobenzene

Concen: 39.249 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

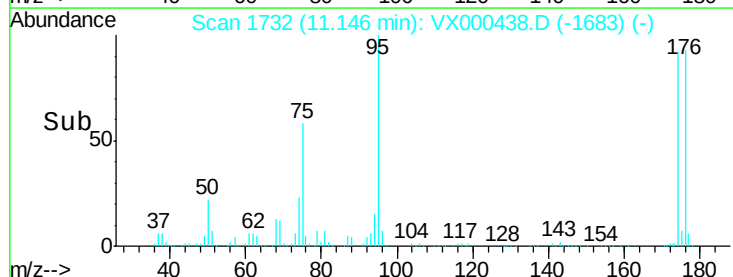
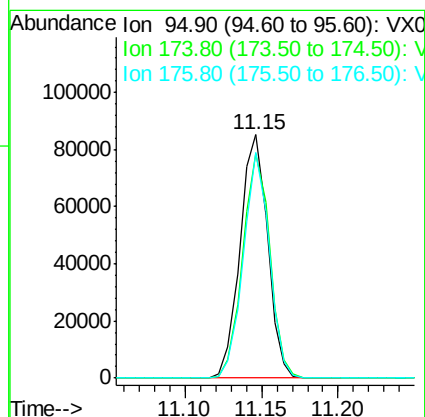
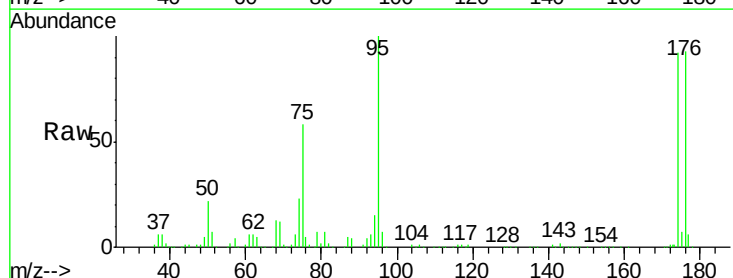
Tgt Ion: 95 Resp: 106572

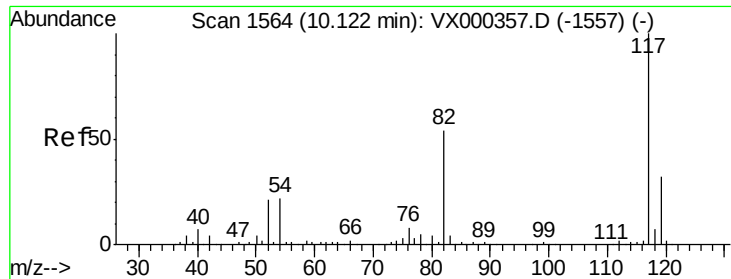
Ion Ratio Lower Upper

95 100

174 90.8 0.0 173.6

176 87.2 0.0 164.6

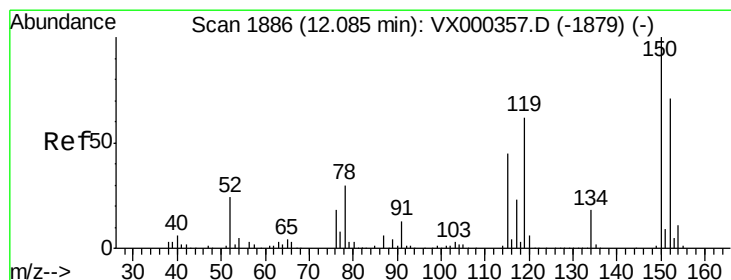
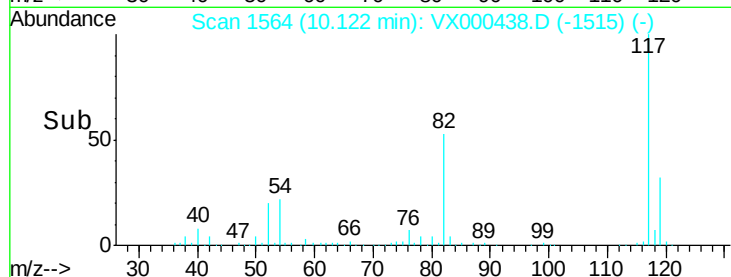
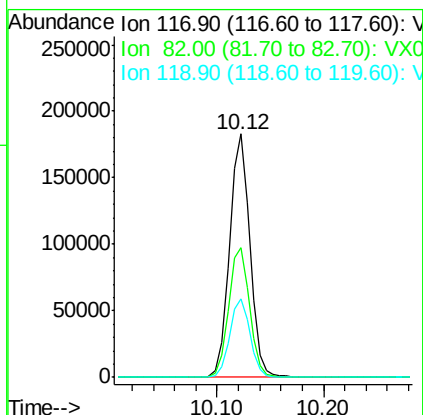
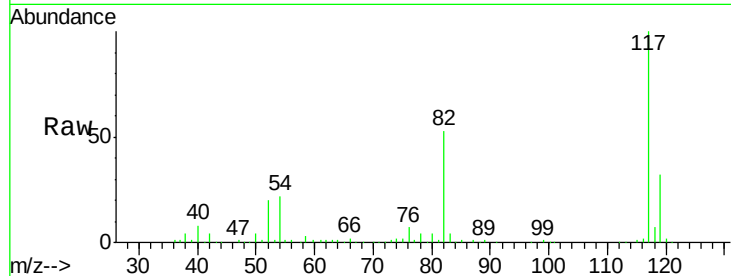




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000438.D
Acq: 26 Mar 2018 14:09

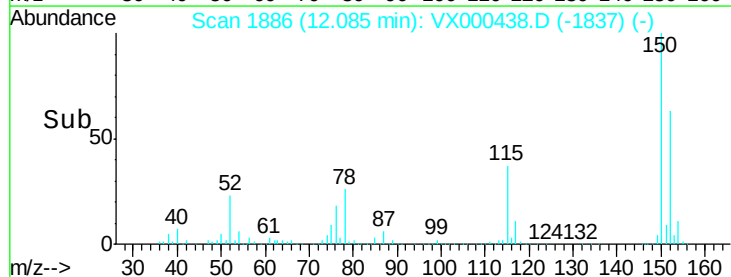
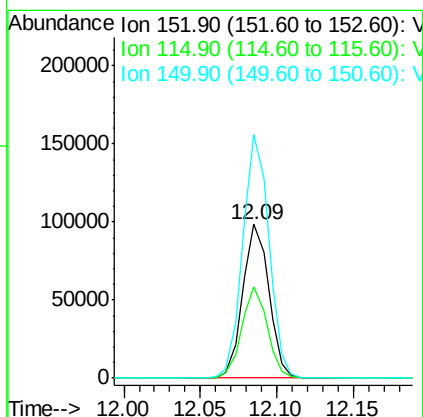
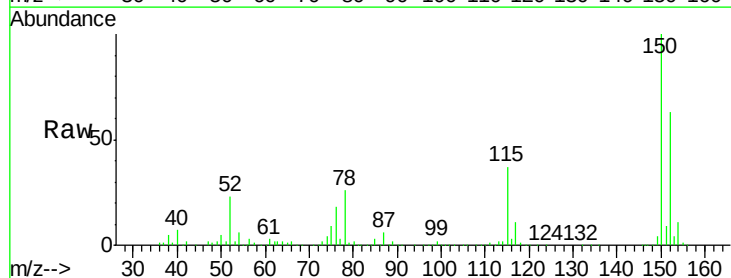
Instrument :
MSVOA_X
ClientSampled :

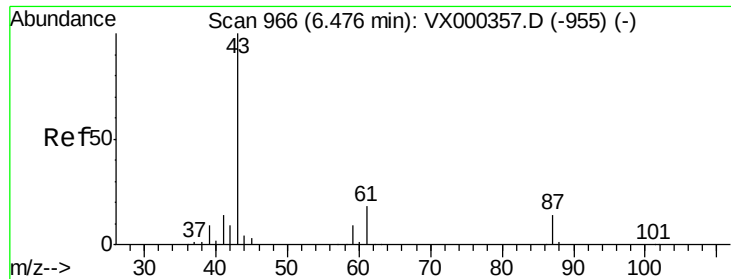
Tot Ion:117 Resp: 246070
Ion Ratio Lower Upper
117 100
82 53.3 43.8 65.8
119 32.5 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000438.D
Acq: 26 Mar 2018 14:09

Tgt Ion:152 Resp: 116376
Ion Ratio Lower Upper
152 100
115 58.0 39.8 119.3
150 159.0 0.0 344.4





#74

N-amvl acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

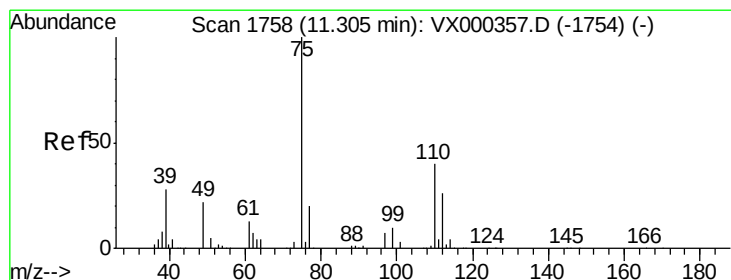
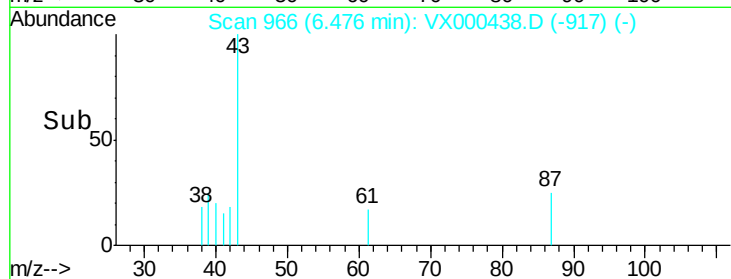
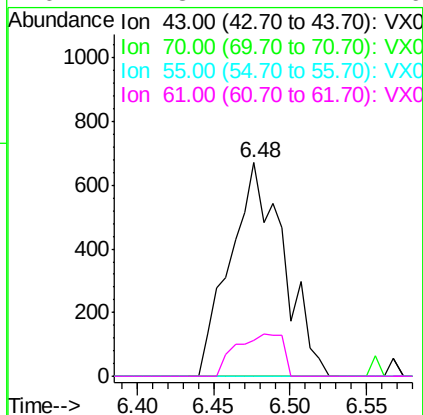
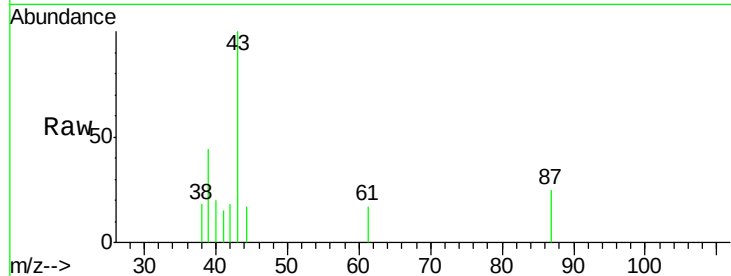
Delta R.T. 0.00 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	43	Resp:	1626
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	17.3	14.4	21.6



#76

1,2,3-Trichloropropane

Concen: 24.772 ug/l

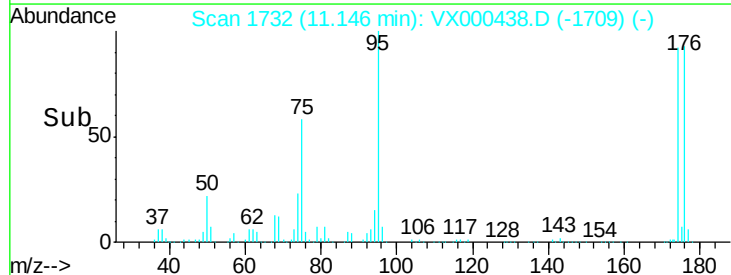
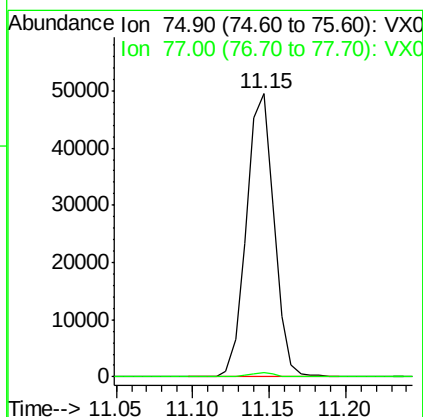
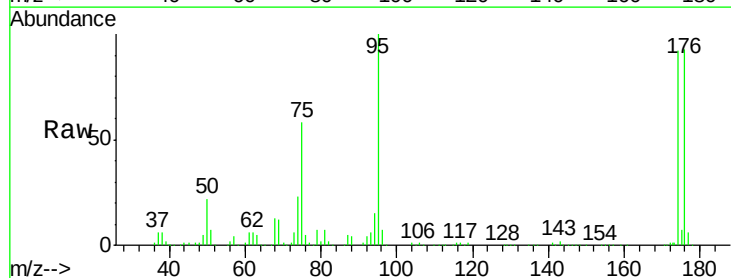
RT: 11.15 min Scan# 1732

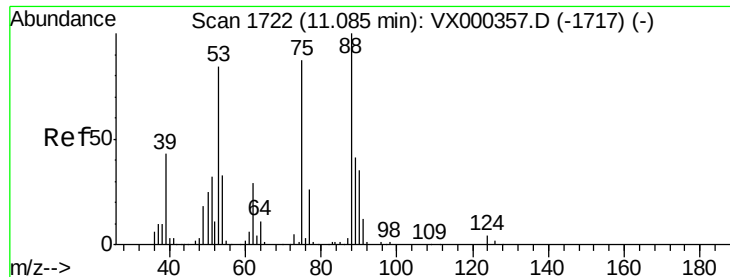
Delta R.T. -0.16 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Tgt Ion:	75	Resp:	61957
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.4	64.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 80.202 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000438.D

Acq: 26 Mar 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

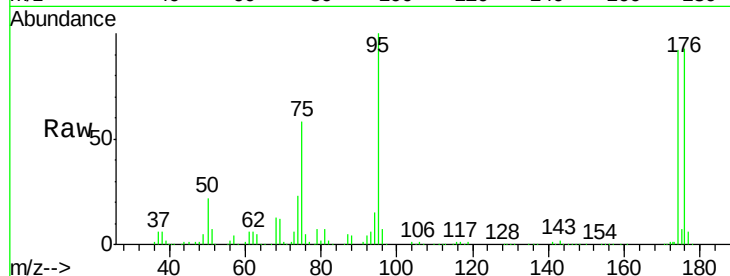
Tot Ion: 75 Resp: 61957

Ion Ratio Lower Upper

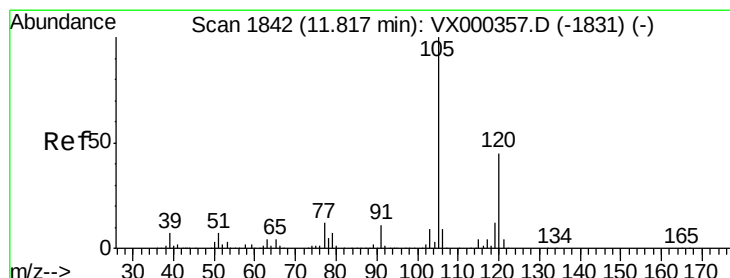
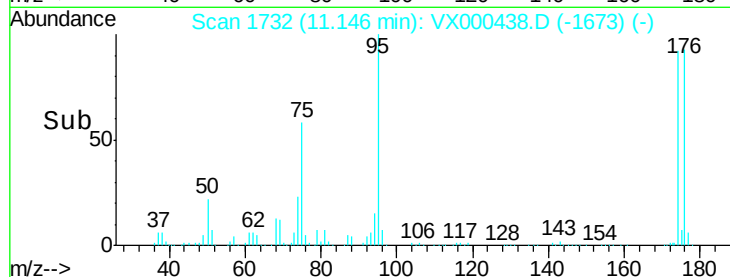
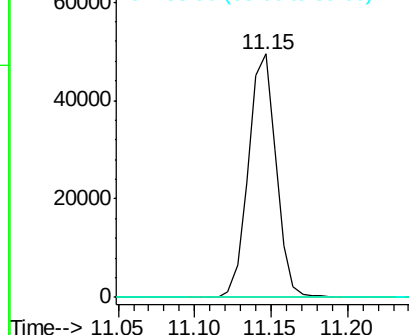
75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.216 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000438.D

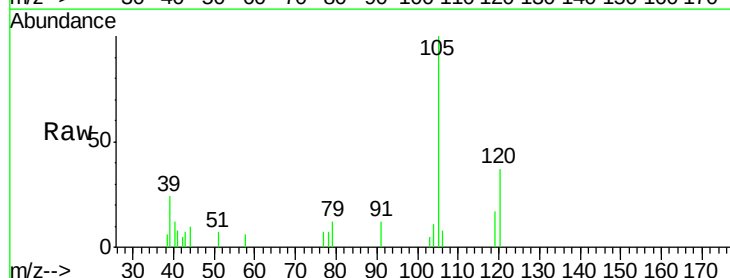
Acq: 26 Mar 2018 14:09

Tgt Ion:105 Resp: 1470

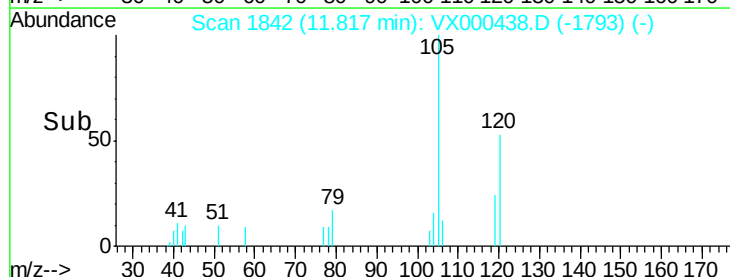
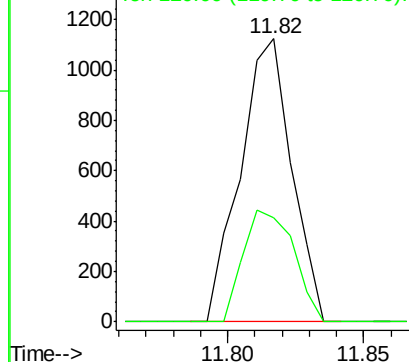
Ion Ratio Lower Upper

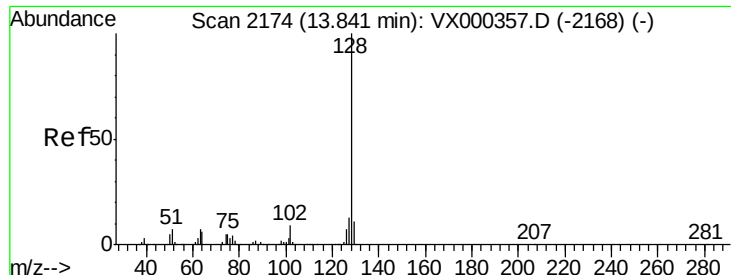
105 100

120 38.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

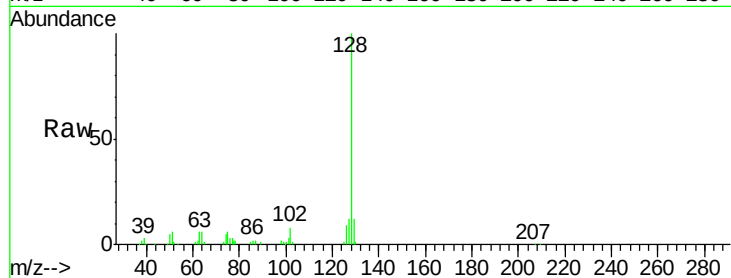




#95
Naphthalene
Concen: 2.912 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000438.D
Acq: 26 Mar 2018 14:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	11.1	8.9	13.3



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

