

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000600.D
 Acq On : 31 Mar 2018 18:16
 Operator : JC/MD
 Sample : J2150-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:19:27 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	5.68	168	114360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	188536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104898	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	78784	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
35) Dibromofluoromethane	5.51	113	60304	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.73	98	241748	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
62) 4-Bromofluorobenzene	11.15	95	86216	41.69	ug/l	0.00
Spiked Amount			Recovery	=	83.38%	

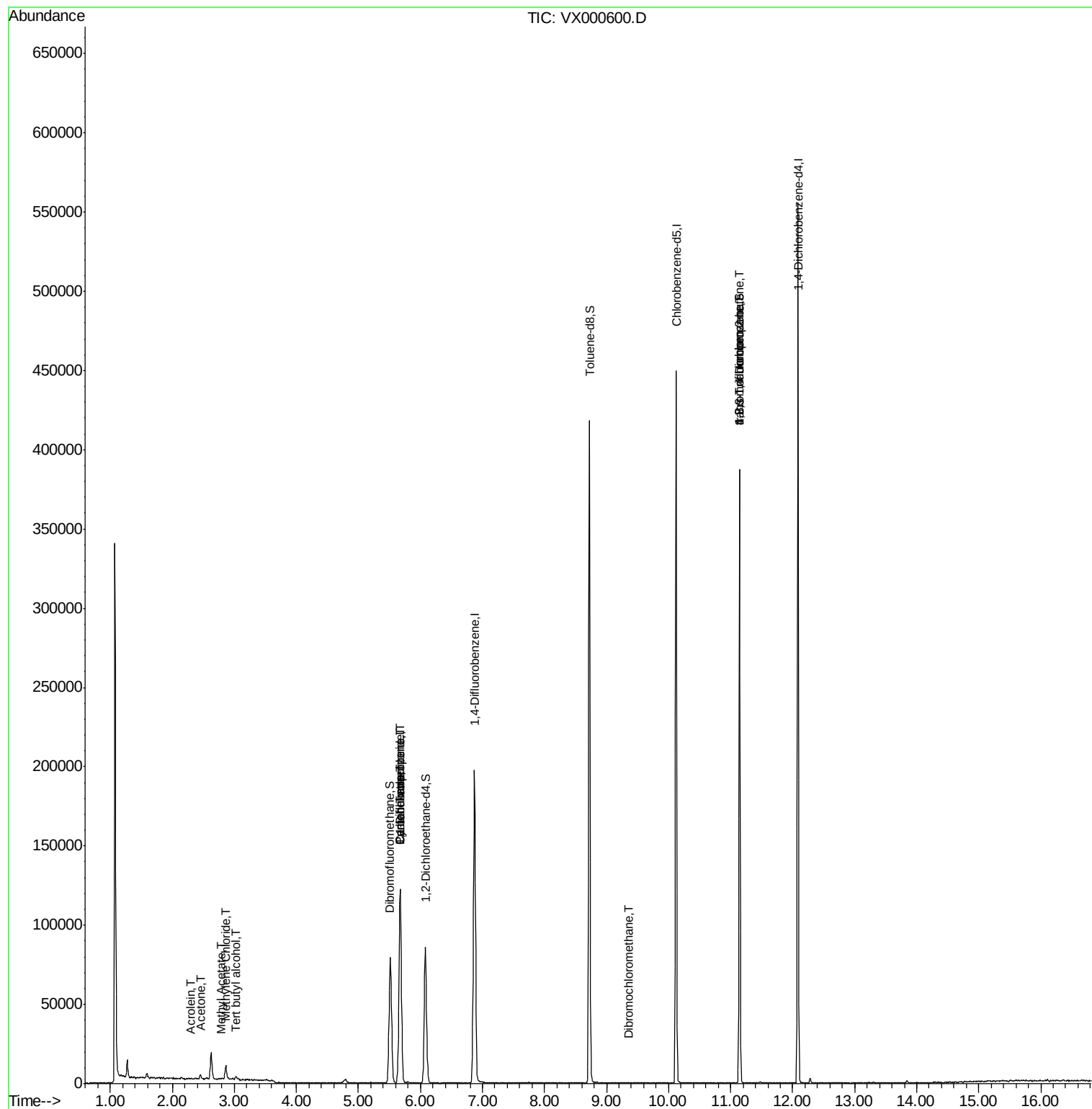
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	166	Below Cal	#	44
11) Tert butyl alcohol	3.02	59	1276	2.485	ug/l #	72
13) Acrolein	2.29	56	19	14.687	ug/l #	1
16) Acetone	2.45	43	3718	2.994	ug/l #	78
18) Methyl Acetate	2.79	43	654	0.251	ug/l #	59
20) Methylene Chloride	2.86	84	3510	2.447	ug/l #	79
31) Cyclohexane	5.67	56	2932	1.557	ug/l #	56
36) 1,1-Dichloropropene	5.67	75	8980	4.968	ug/l #	52
38) Carbon Tetrachloride	5.67	117	11365	5.993	ug/l #	15
60) Dibromochloromethane	9.36	129	40	4.137	ug/l #	12
74) N-amyl acetate	6.34	43	21	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	49628	22.014	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	49628	71.272	ug/l #	9

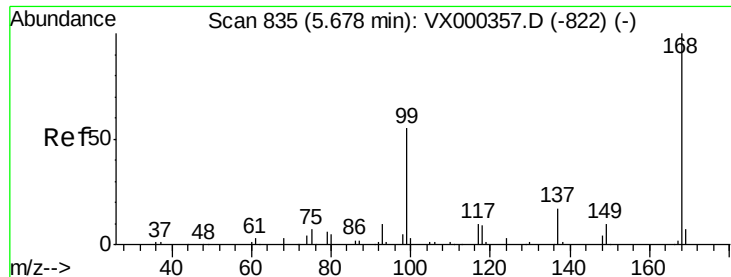
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000600.D

Acq: 31 Mar 2018 18:16

Instrument :

MSVOA_X

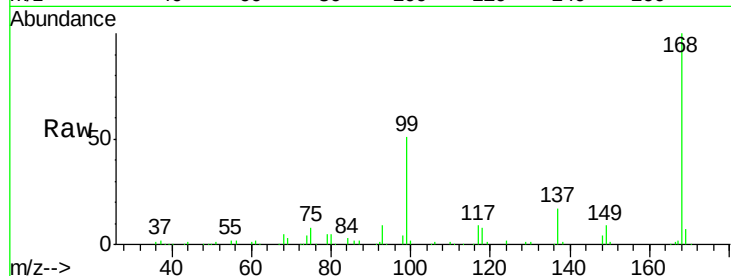
ClientSampled :

Tot Ion:168 Resp: 114360

Ion Ratio Lower Upper

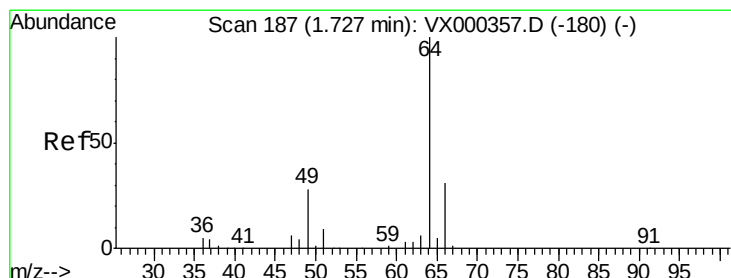
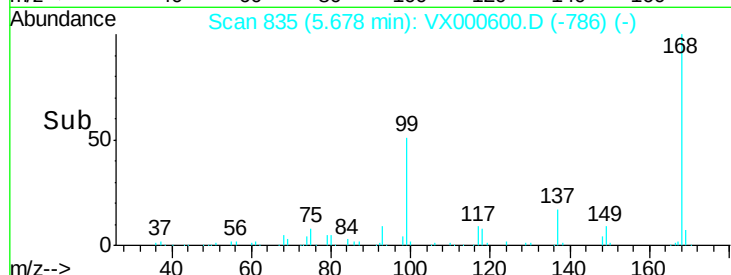
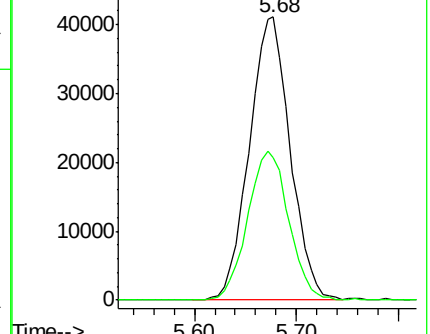
168 100

99 50.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000600.D

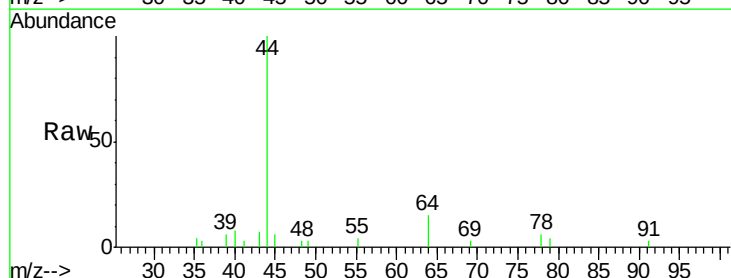
Acq: 31 Mar 2018 18:16

Tgt Ion: 64 Resp: 166

Ion Ratio Lower Upper

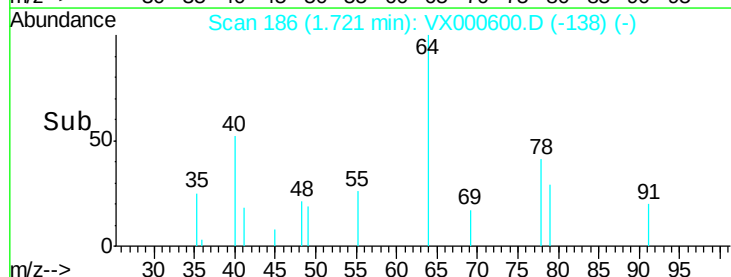
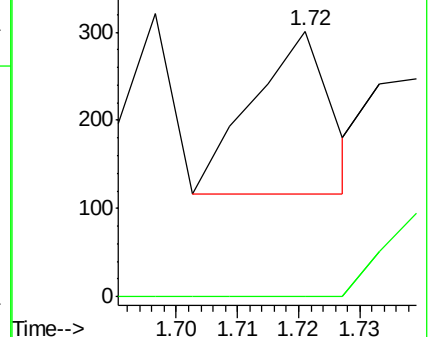
64 100

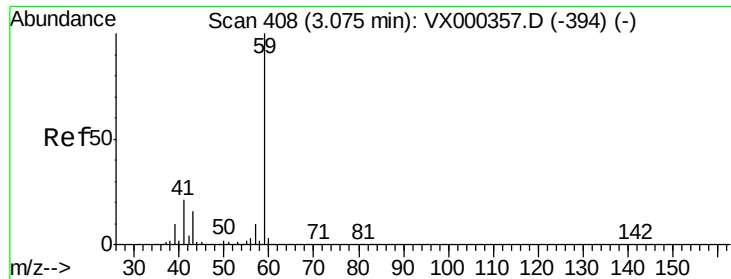
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



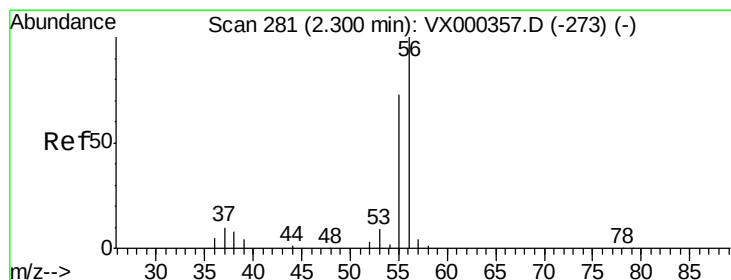
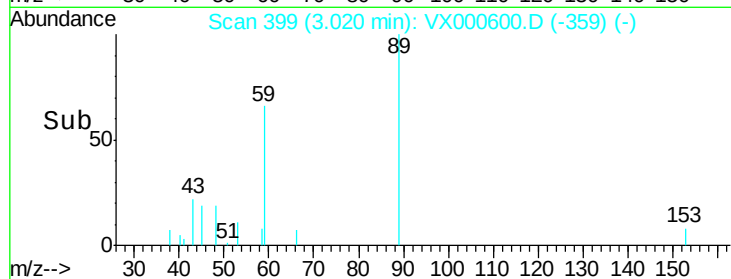
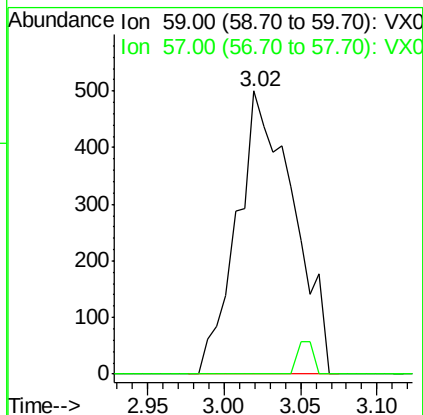
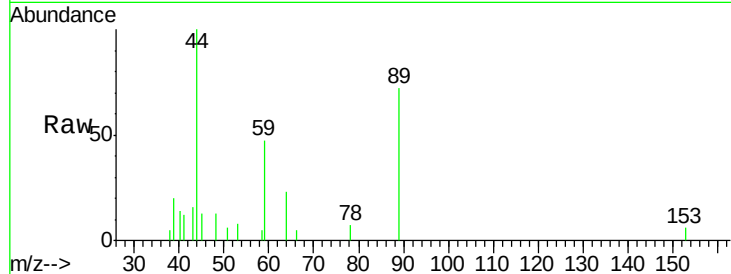


#11

Tert butyl alcohol
 Concen: 2.485 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX000600.D
 Acq: 31 Mar 2018 18:16

Instrument :
 MSVOA_X
 ClientSampled :

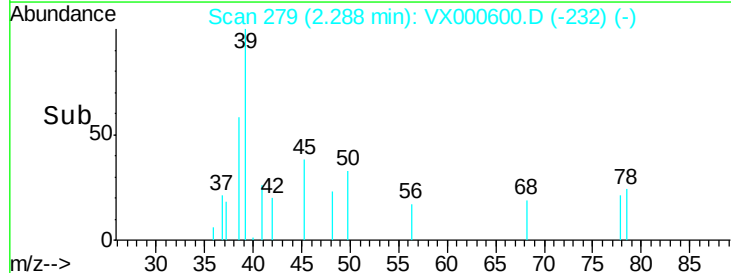
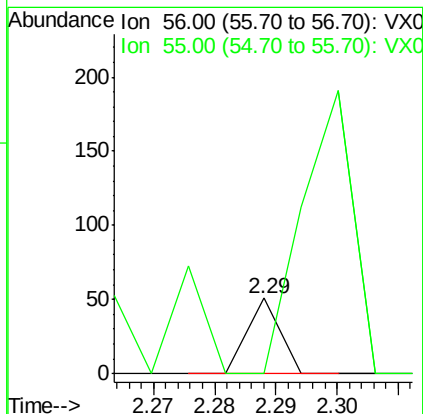
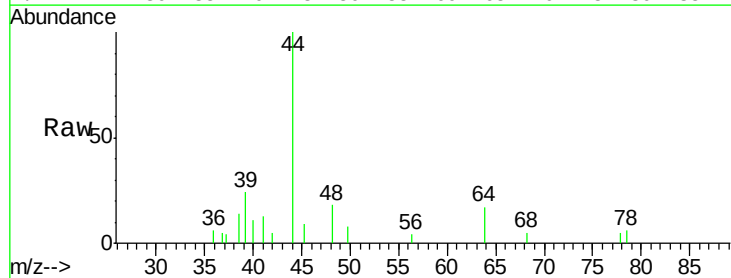
Tot Ion: 59 Resp: 1276
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

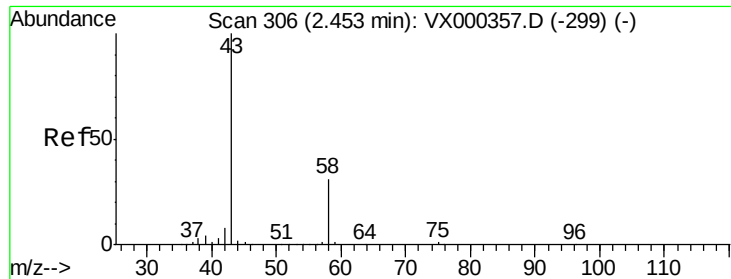


#13

Acrolein
 Concen: 14.687 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX000600.D
 Acq: 31 Mar 2018 18:16

Tgt Ion: 56 Resp: 19
 Ion Ratio Lower Upper
 56 100
 55 584.2 58.8 88.2#





#16

Acetone

Concen: 2.994 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000600.D

Acq: 31 Mar 2018 18:16

Instrument :

MSVOA_X

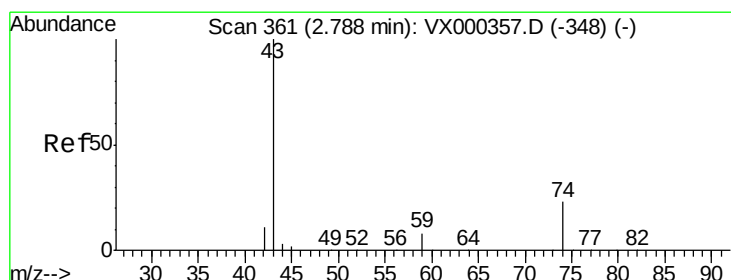
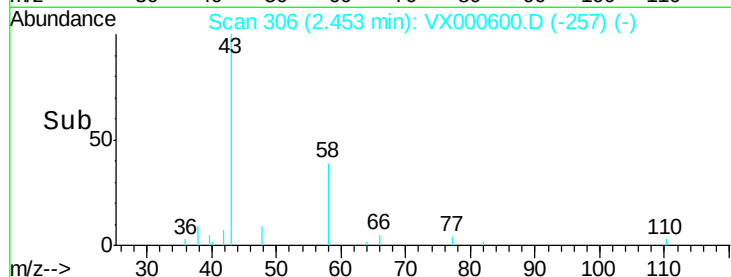
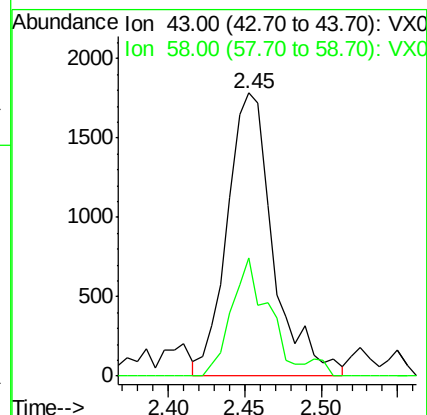
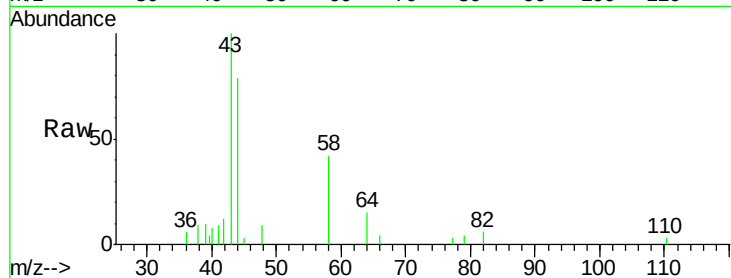
ClientSampled :

Tot Ion: 43 Resp: 3718

Ion Ratio Lower Upper

43 100

58 43.2 24.7 37.1#



#18

Methyl Acetate

Concen: 0.251 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000600.D

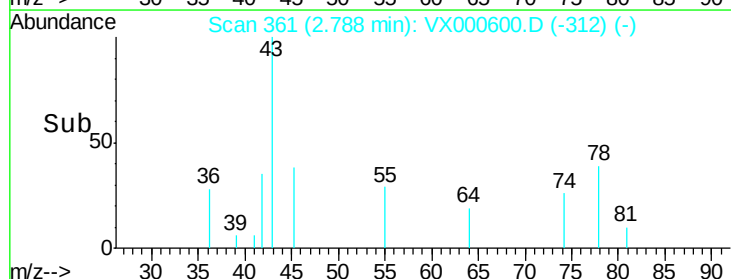
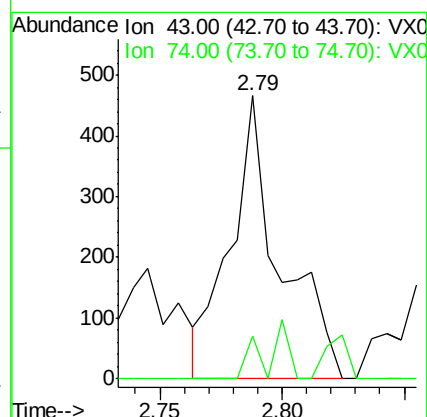
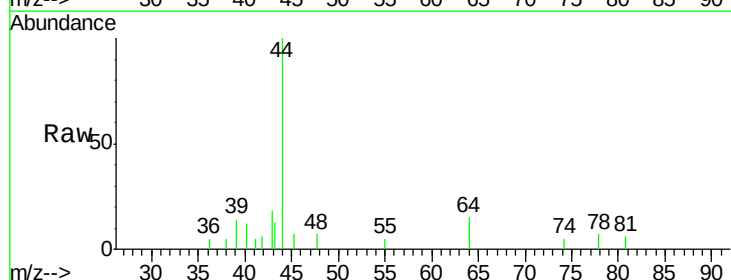
Acq: 31 Mar 2018 18:16

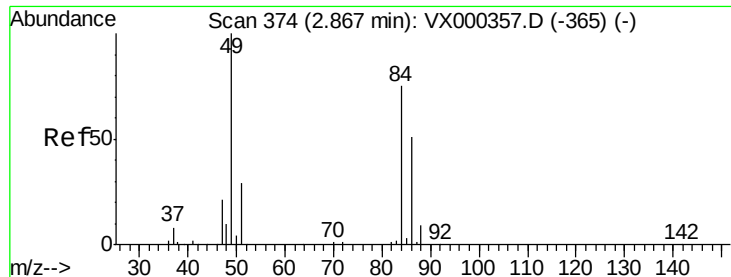
Tgt Ion: 43 Resp: 654

Ion Ratio Lower Upper

43 100

74 4.0 19.4 29.2#

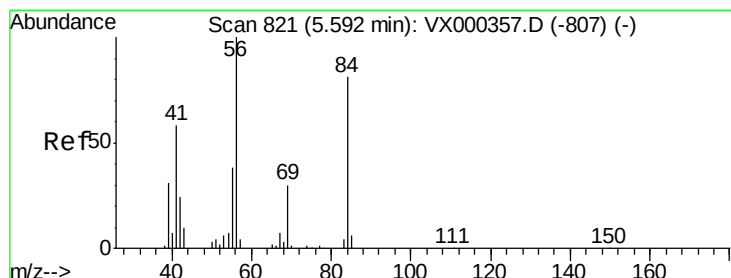
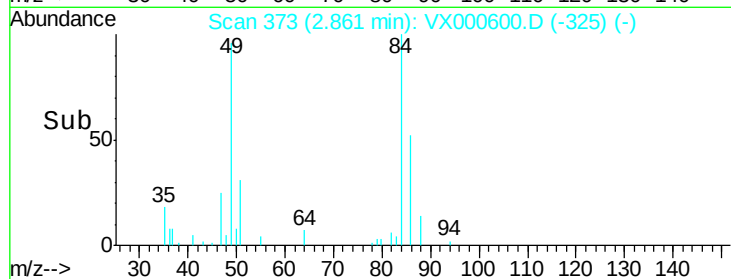
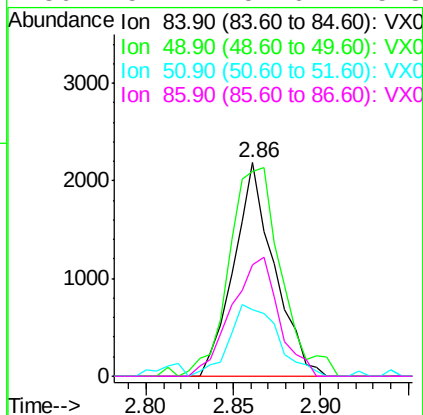
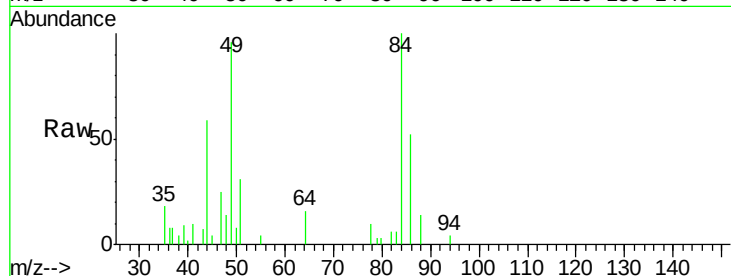




#20
Methylene Chloride
Concen: 2.447 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000600.D
Acq: 31 Mar 2018 18:16

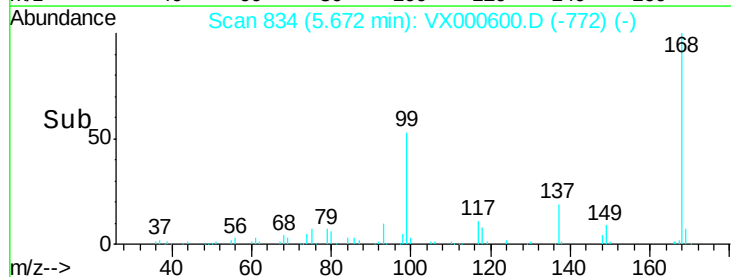
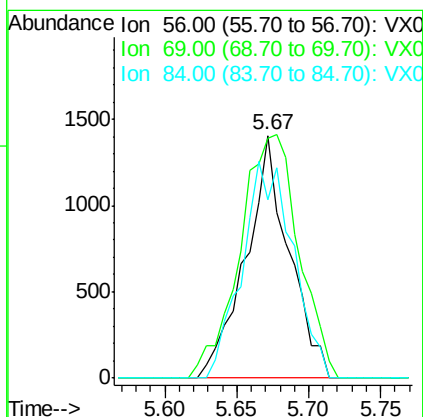
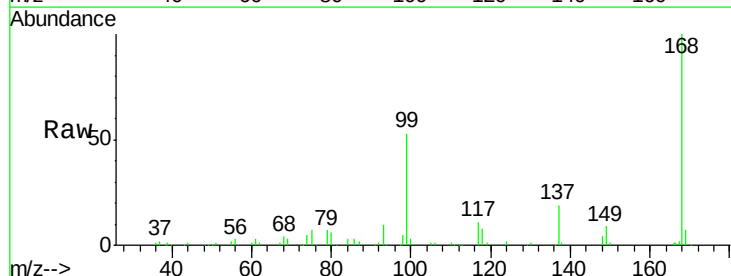
Instrument :
MSVOA_X
ClientSampleId :

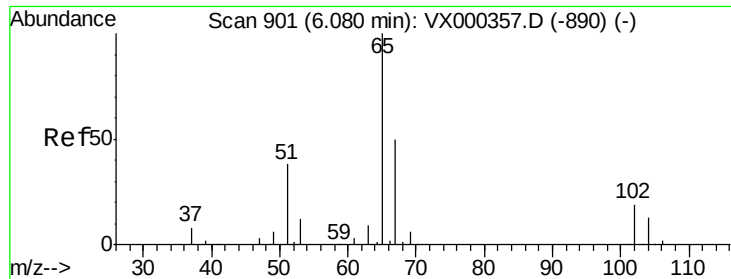
Tot Ion: 84 Resp: 3510
Ion Ratio Lower Upper
84 100
49 95.8 100.6 151.0#
51 31.5 31.6 47.4#
86 52.2 52.6 78.8#



#31
Cyclohexane
Concen: 1.557 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000600.D
Acq: 31 Mar 2018 18:16

Tgt Ion: 56 Resp: 2932
Ion Ratio Lower Upper
56 100
69 98.7 23.4 35.0#
84 73.7 71.0 106.4

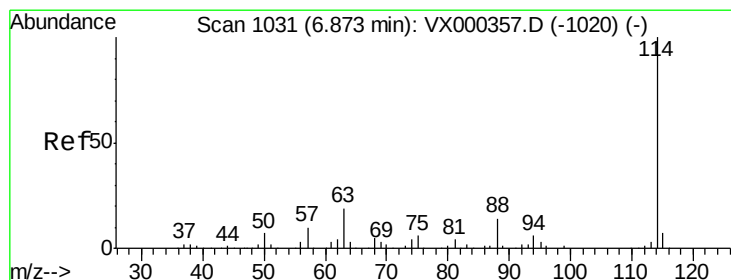
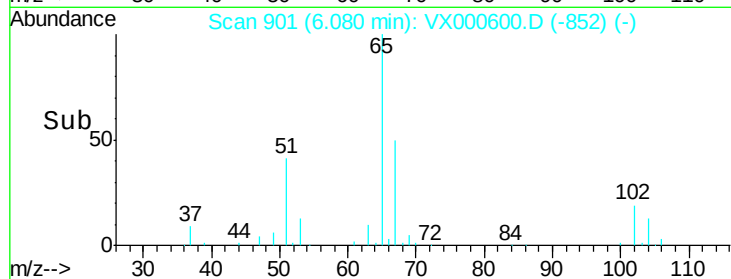
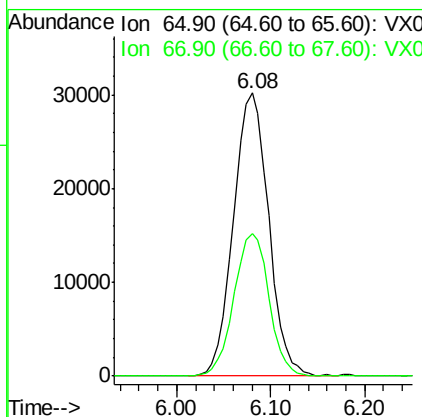
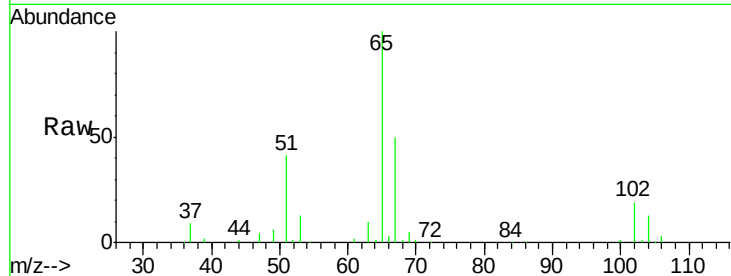




#33
 1,2-Dichloroethane-d4
 Concen: 52.776 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000600.D
 Acq: 31 Mar 2018 18:16

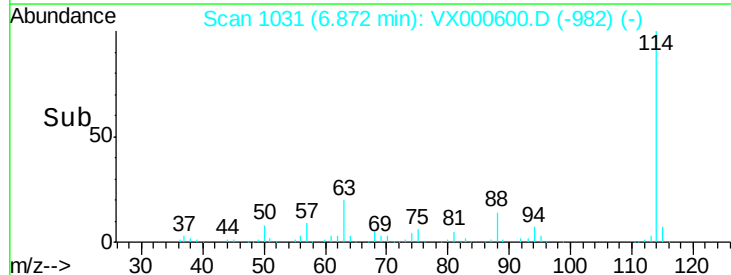
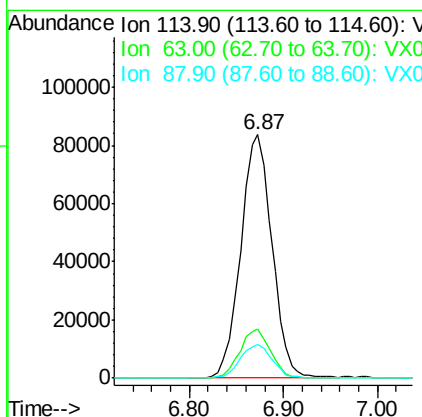
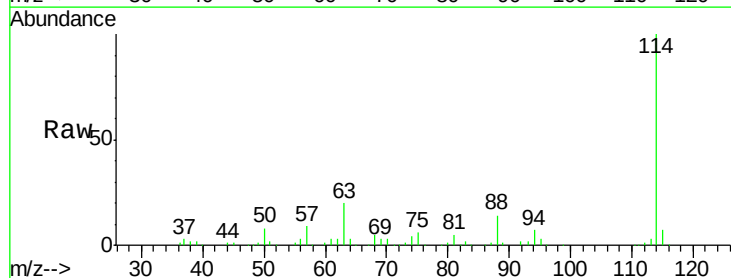
Instrument :
 MSVOA_X
 ClientSampleId :

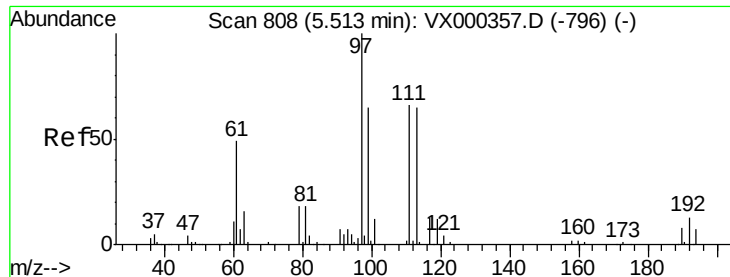
Tot Ion: 65 Resp: 78784
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000600.D
 Acq: 31 Mar 2018 18:16

Tgt Ion: 114 Resp: 192967
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.4
 88 13.9 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.598 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000600.D

Acq: 31 Mar 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

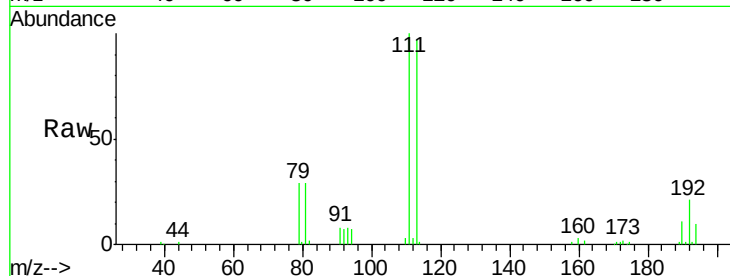
Tot Ion:113 Resp: 60304

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

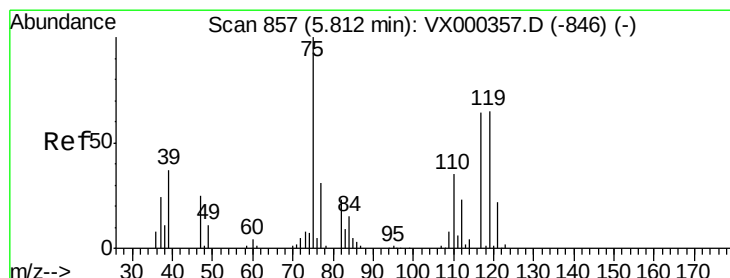
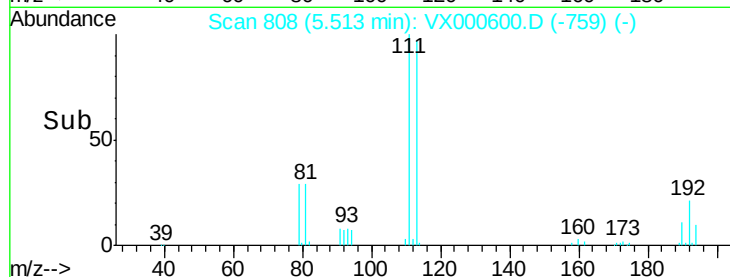
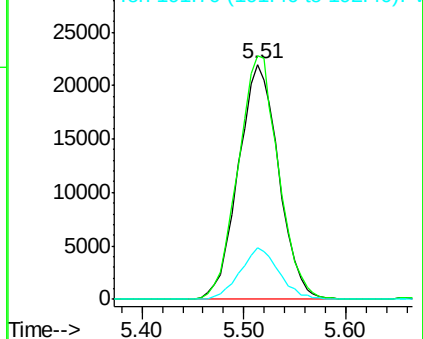
192 21.2 15.8 23.6



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: 4.968 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000600.D

Acq: 31 Mar 2018 18:16

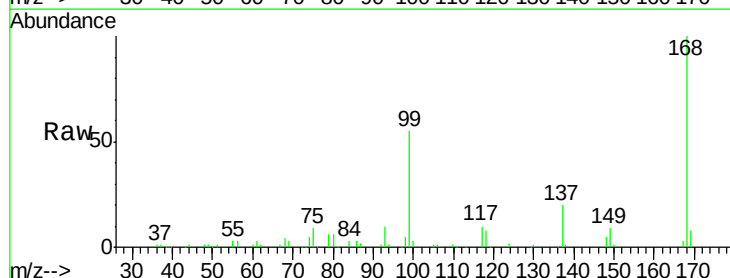
Tgt Ion: 75 Resp: 8980

Ion Ratio Lower Upper

75 100

110 11.3 17.9 53.7#

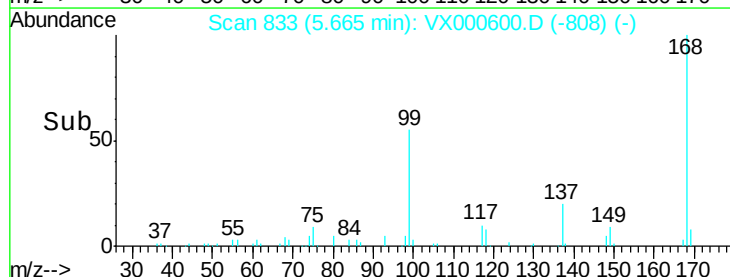
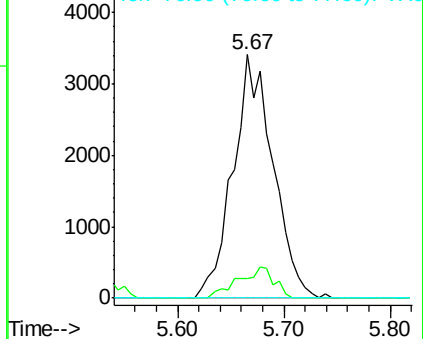
77 0.0 24.0 36.0#

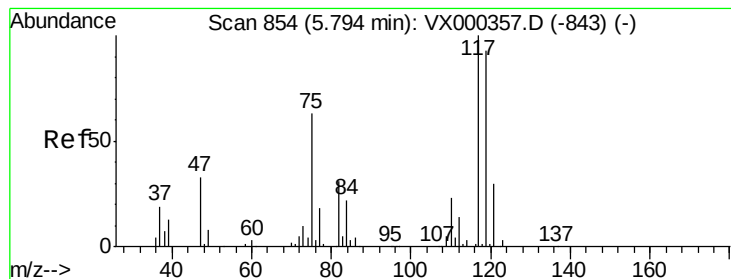


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.993 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000600.D

Acq: 31 Mar 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

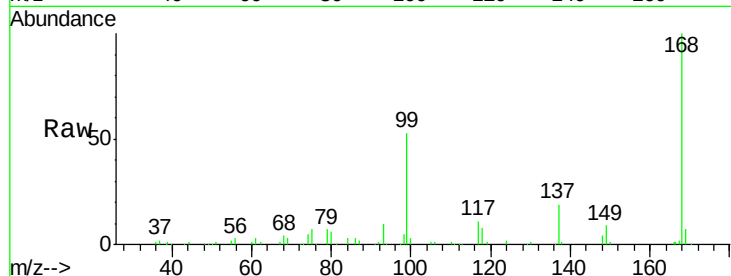
Tot Ion:117 Resp: 11365

Ion Ratio Lower Upper

117 100

119 4.6 77.4 116.2#

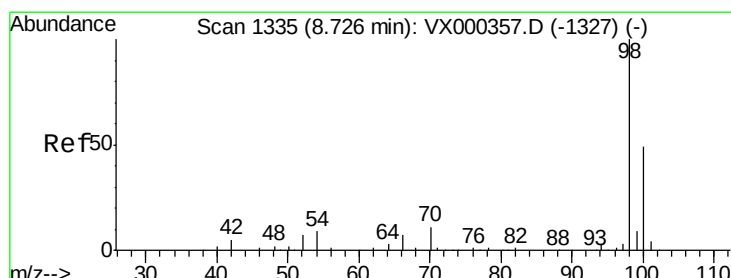
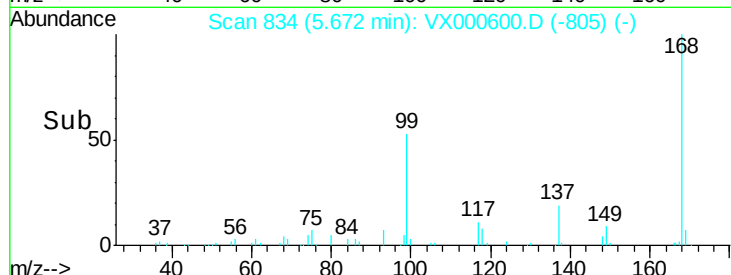
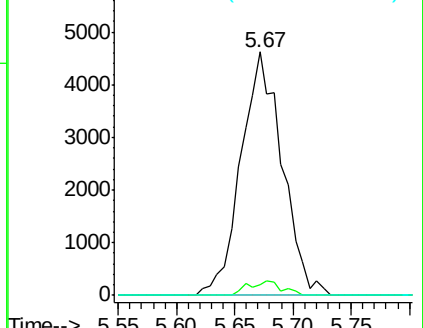
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 48.007 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000600.D

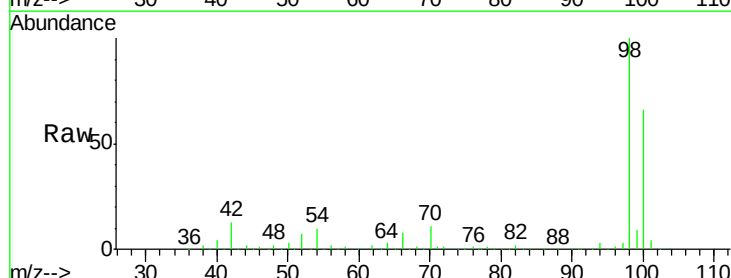
Acq: 31 Mar 2018 18:16

Tgt Ion: 98 Resp: 241748

Ion Ratio Lower Upper

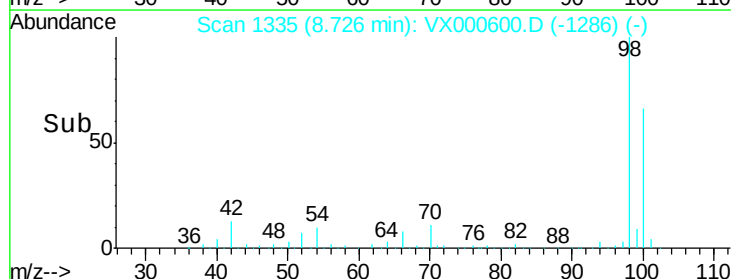
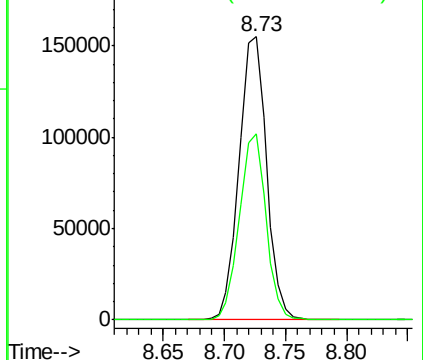
98 100

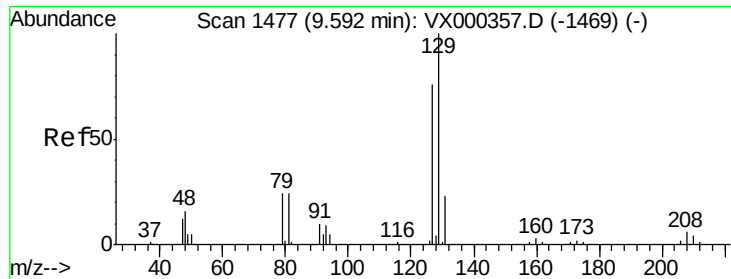
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 4.137 ug/l

RT: 9.36 min Scan# 1439

Delta R.T. -0.23 min

Lab File: VX000600.D

Acq: 31 Mar 2018 18:16

Instrument :

MSVOA_X

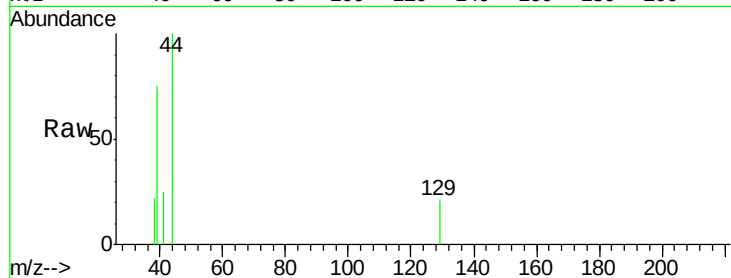
ClientSampleId :

Tot Ion:129 Resp: 40

Ion Ratio Lower Upper

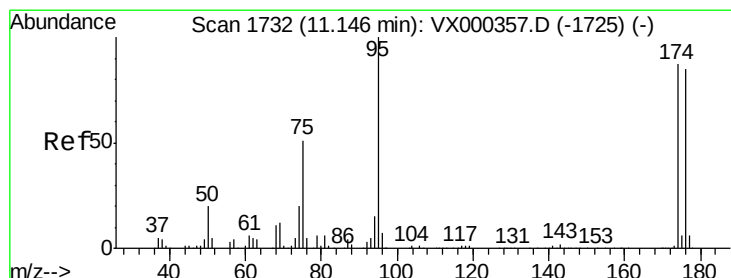
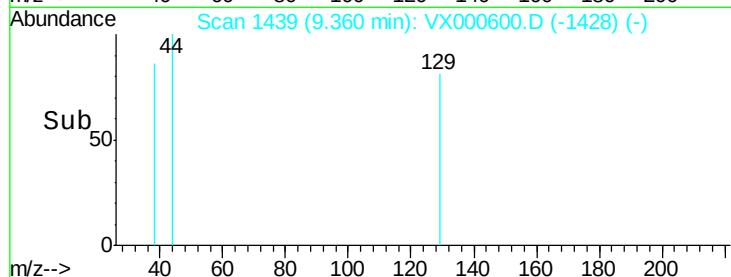
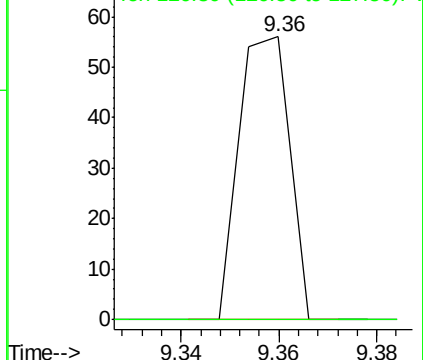
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 41.688 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000600.D

Acq: 31 Mar 2018 18:16

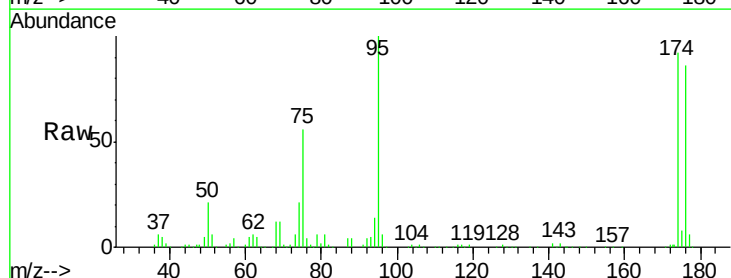
Tgt Ion: 95 Resp: 86216

Ion Ratio Lower Upper

95 100

174 90.4 0.0 173.6

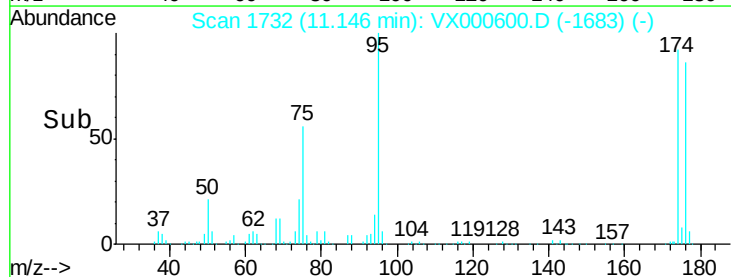
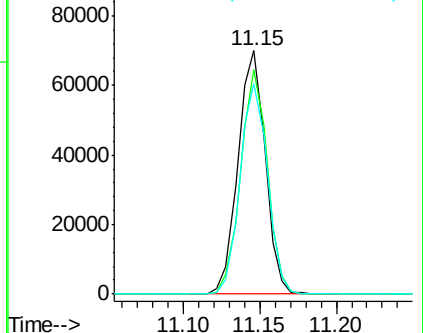
176 87.1 0.0 164.6

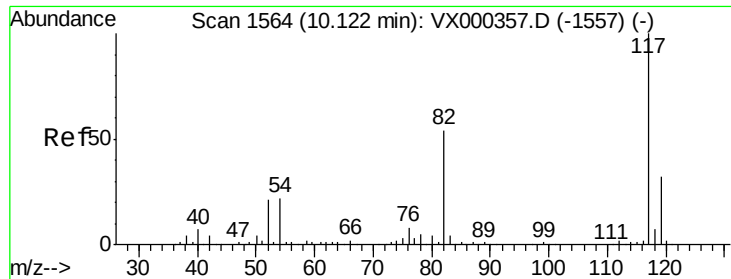


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

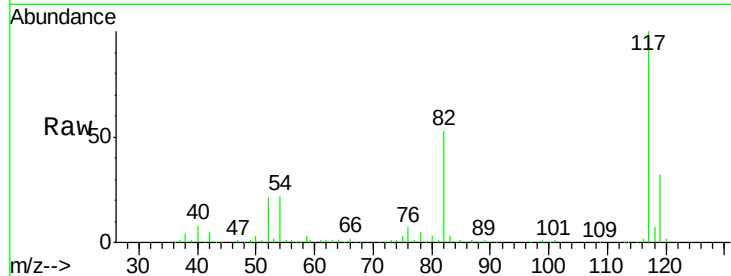




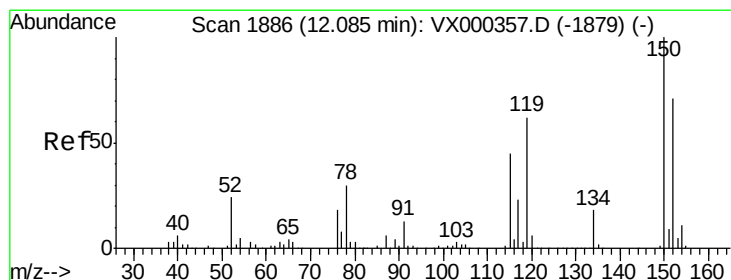
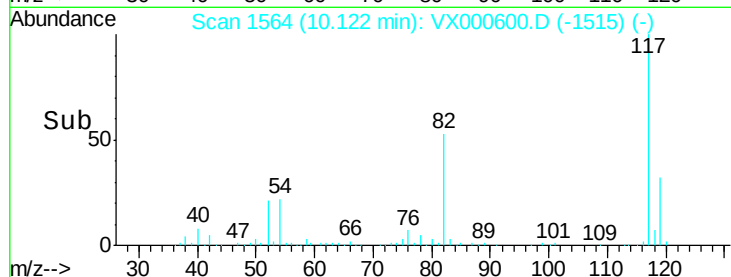
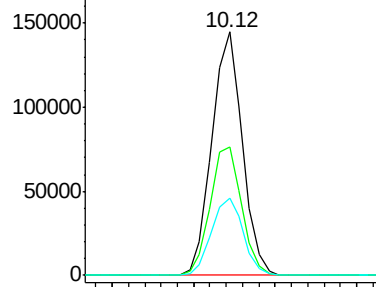
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000600.D
Acq: 31 Mar 2018 18:16

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 188536
Ion Ratio Lower Upper
117 100
82 52.8 43.8 65.8
119 31.8 24.9 37.3

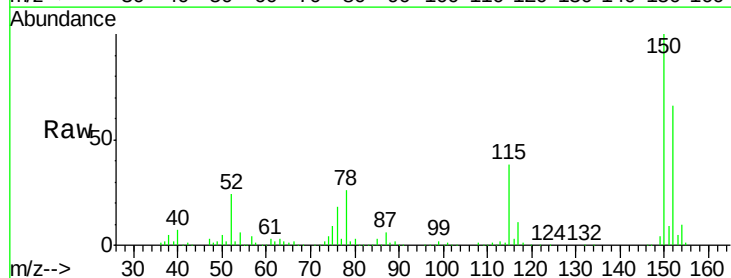


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

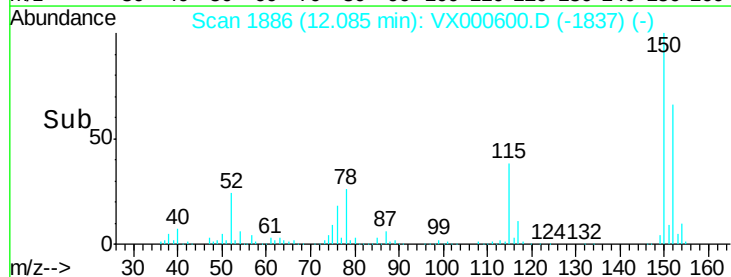
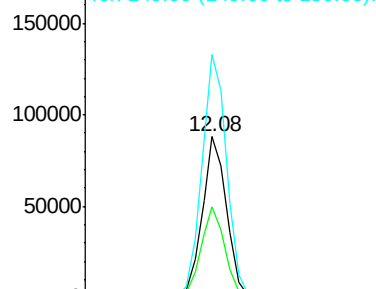


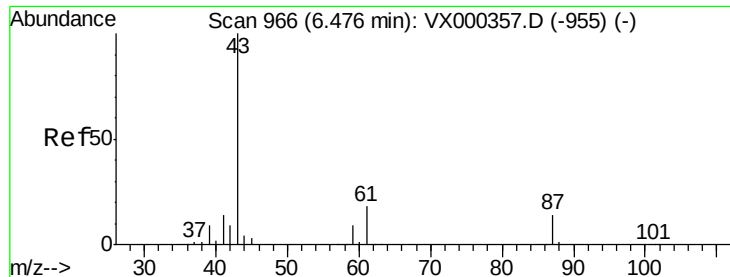
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000600.D
Acq: 31 Mar 2018 18:16

Tgt Ion:152 Resp: 104898
Ion Ratio Lower Upper
152 100
115 55.7 39.8 119.3
150 153.7 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: Below Cal

RT: 6.34 min Scan# 943

Delta R.T. -0.14 min

Lab File: VX000600.D

Acq: 31 Mar 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 21

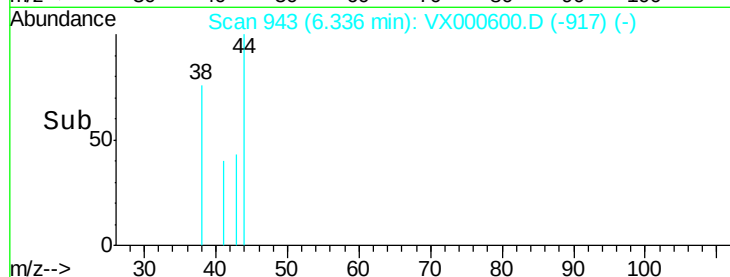
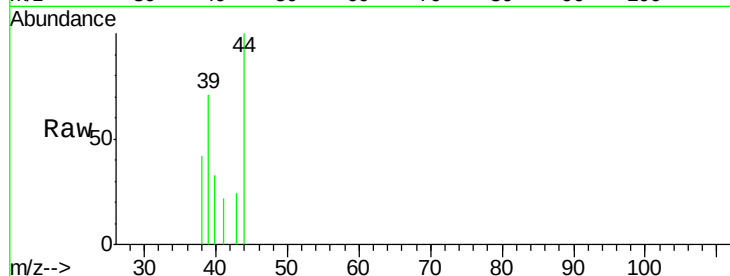
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

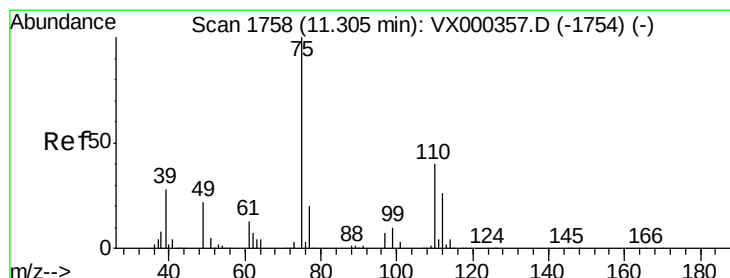
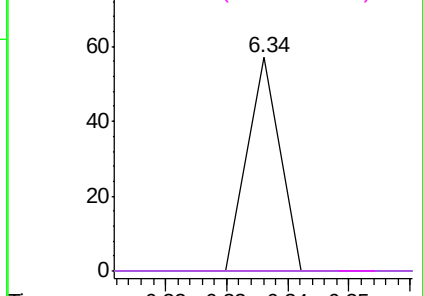


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.014 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000600.D

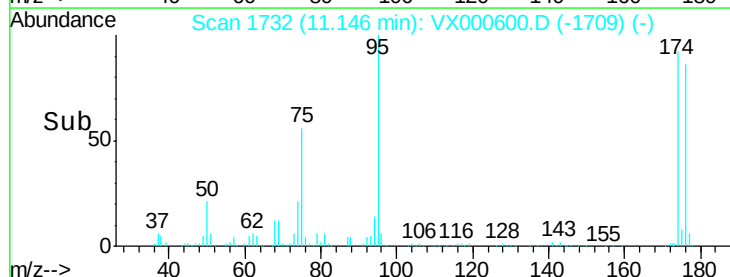
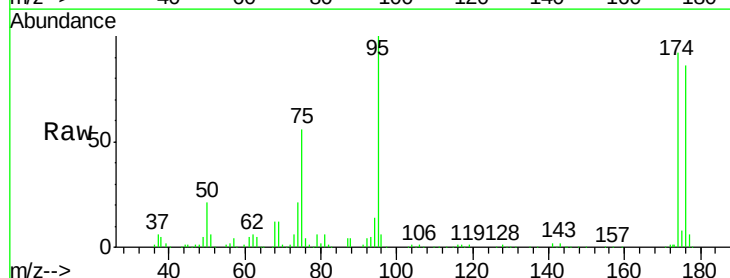
Acq: 31 Mar 2018 18:16

Tgt Ion: 75 Resp: 49628

Ion Ratio Lower Upper

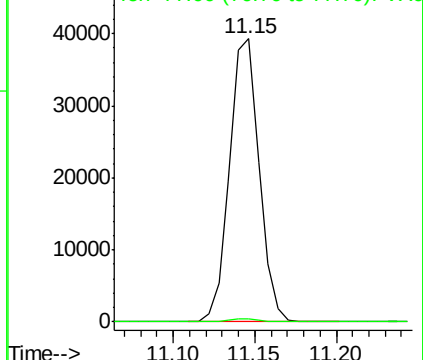
75 100

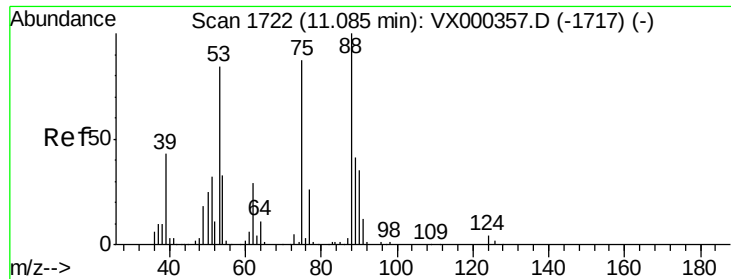
77 1.2 21.4 64.2#



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: 71.272 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

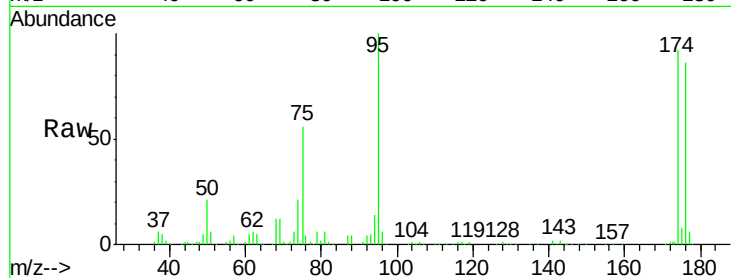
Lab File: VX000600.D

Acq: 31 Mar 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :



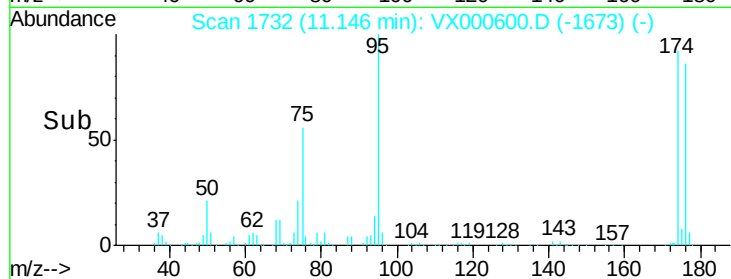
Tot Ion: 75 Resp: 49628

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.1 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

