

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000442.D
 Acq On : 26 Mar 2018 15:51
 Operator : JC/MD
 Sample : J1760-06 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:53:03 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	111284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	200141	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	188670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	92851	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	82538	56.82	ug/l	0.00
Spiked Amount			Recovery	=	113.64%	
35) Dibromofluoromethane	5.52	113	63990	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	8.73	98	244361	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
62) 4-Bromofluorobenzene	11.15	95	80800	38.27	ug/l	0.00
Spiked Amount			Recovery	=	76.54%	

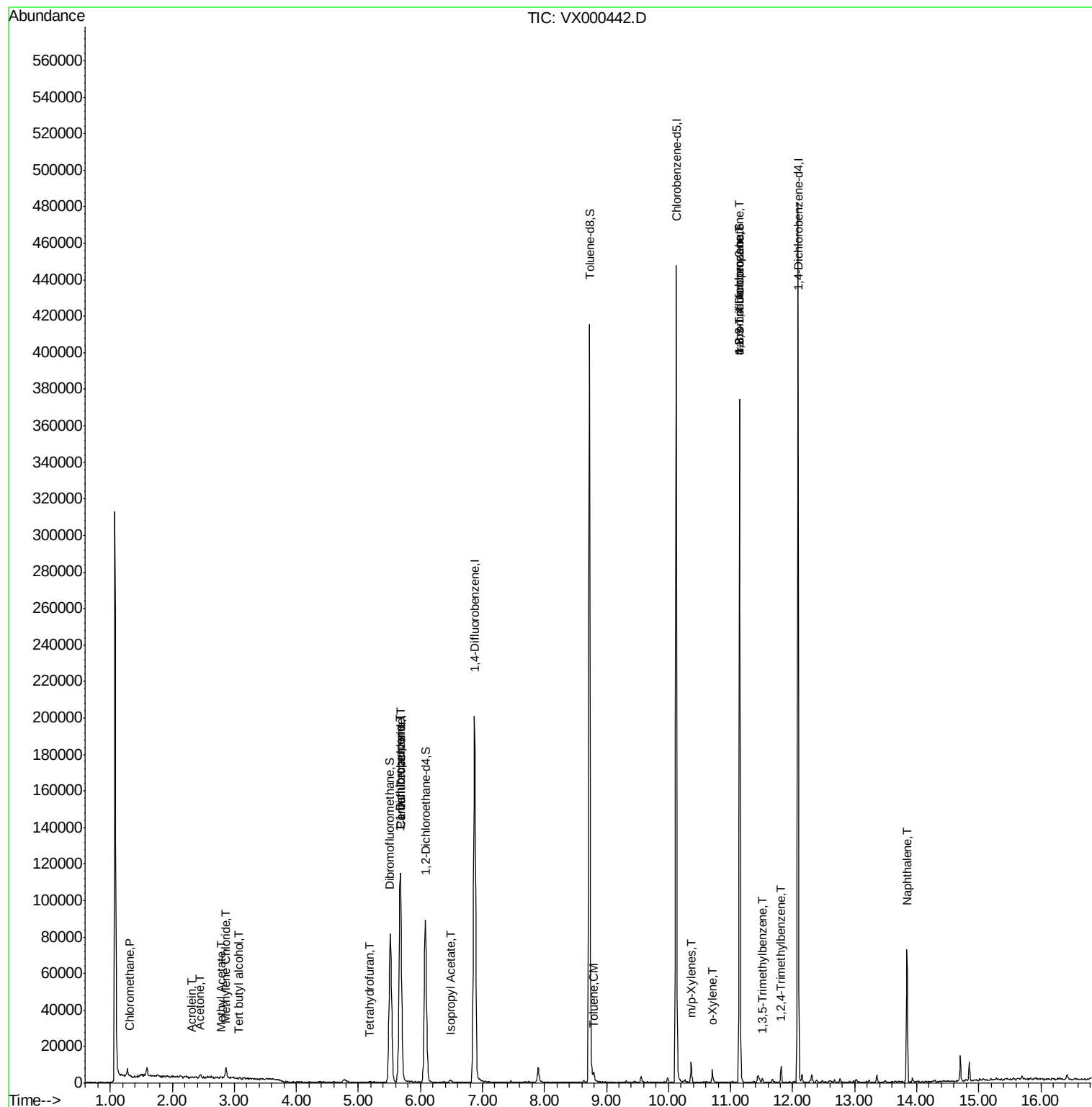
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	270	0.209	ug/l #	40
6) Chloroethane	1.73	64	636	Below Cal	#	44
11) Tert butyl alcohol	3.06	59	147	0.294	ug/l #	72
13) Acrolein	2.32	56	49	14.867	ug/l #	71
16) Acetone	2.45	43	2339	1.936	ug/l	90
18) Methyl Acetate	2.79	43	592	0.234	ug/l #	60
20) Methylene Chloride	2.87	84	2175	1.558	ug/l #	79
29) Tetrahydrofuran	5.18	42	171	0.205	ug/l #	51
36) 1,1-Dichloropropene	5.67	75	8791	4.689	ug/l #	50
38) Carbon Tetrachloride	5.67	117	11069	5.628	ug/l #	15
43) Isopropyl Acetate	6.48	43	1647	0.432	ug/l #	81
52) Toluene	8.79	92	1032	0.271	ug/l	86
68) m/p-Xylenes	10.37	106	2372	0.847	ug/l	92
69) o-Xylene	10.71	106	1612	0.594	ug/l	83
74) N-amyl acetate	6.48	43	1647	Below Cal	#	80
76) 1,2,3-Trichloropropane	11.15	75	45774	22.939	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.52	105	1205	0.233	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.15	75	45774	74.266	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	3964	0.731	ug/l	98
95) Naphthalene	13.84	128	41618	5.486	ug/l	99

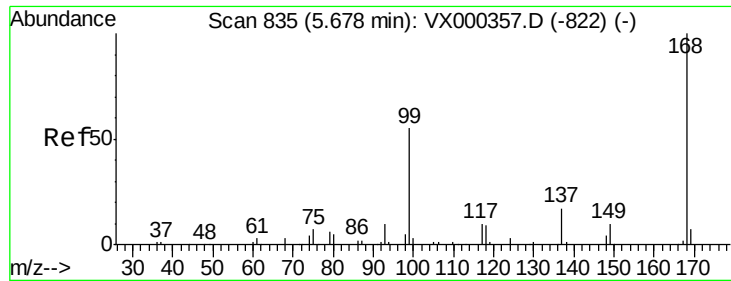
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

Instrument :

MSVOA_X

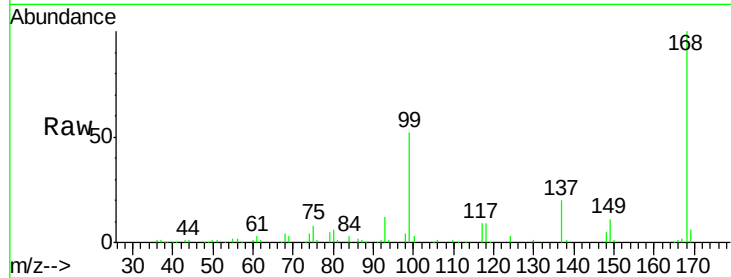
ClientSampleId :

Tot Ion:168 Resp: 111284

Ion Ratio Lower Upper

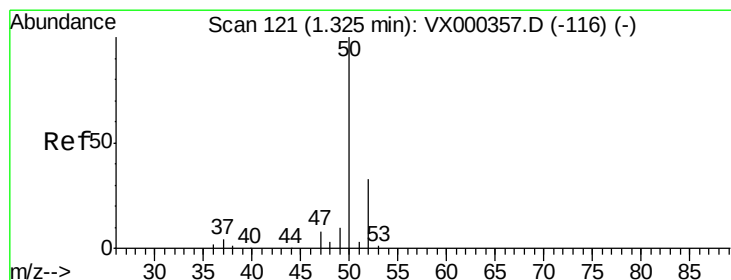
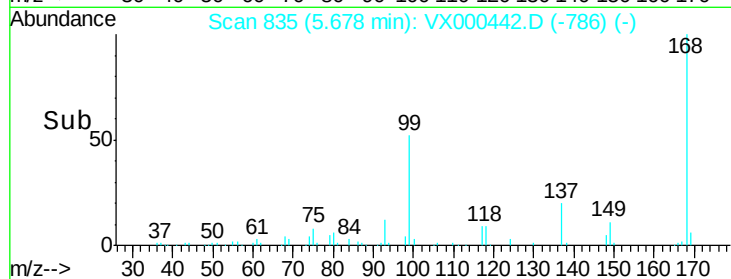
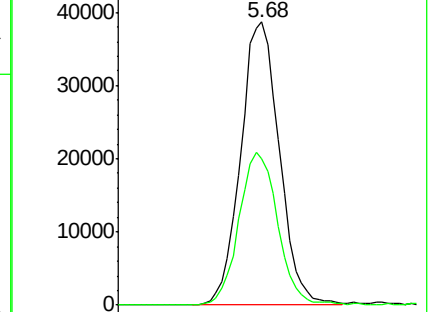
168 100

99 51.6 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: 0.209 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000442.D

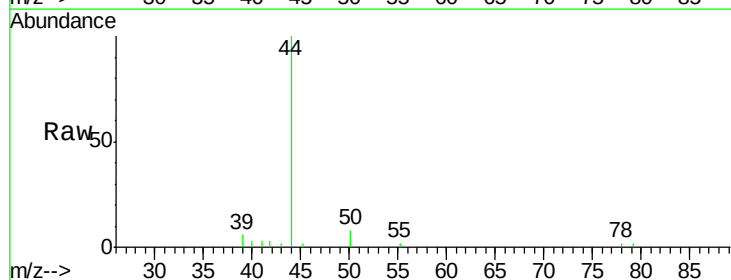
Acq: 26 Mar 2018 15:51

Tgt Ion: 50 Resp: 270

Ion Ratio Lower Upper

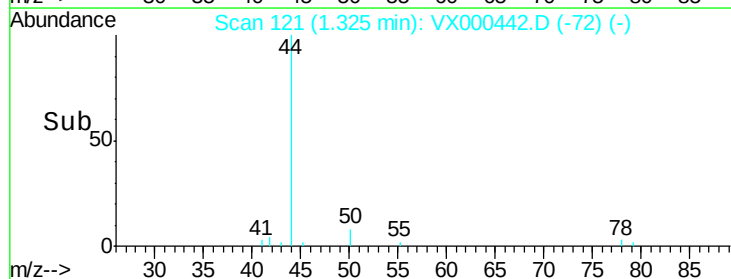
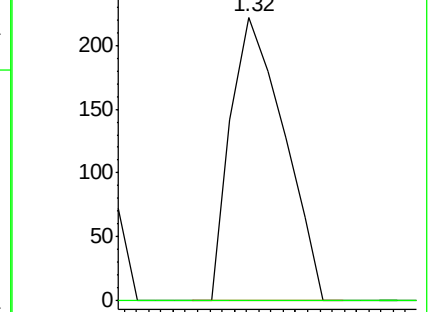
50 100

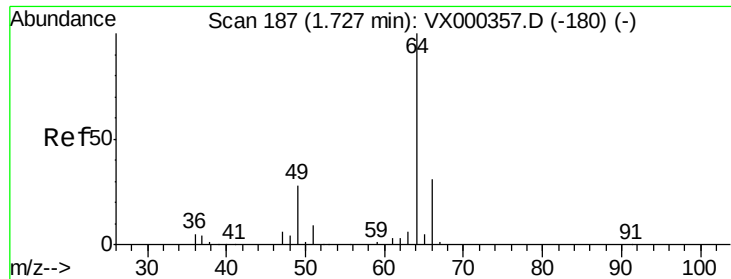
52 0.0 27.5 41.3#



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: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

Instrument :

MSVOA_X

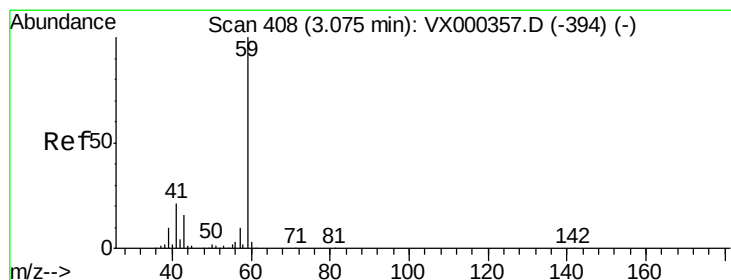
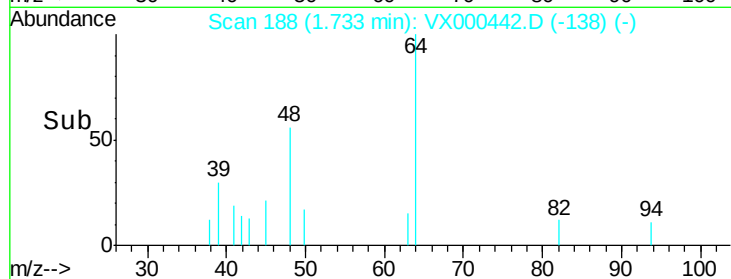
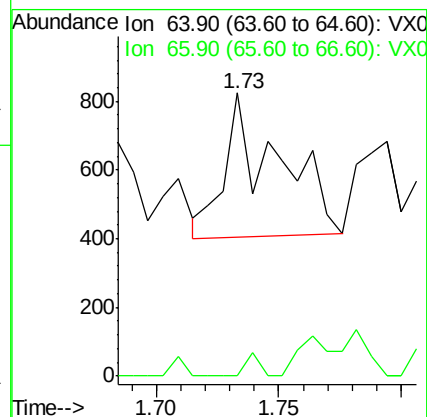
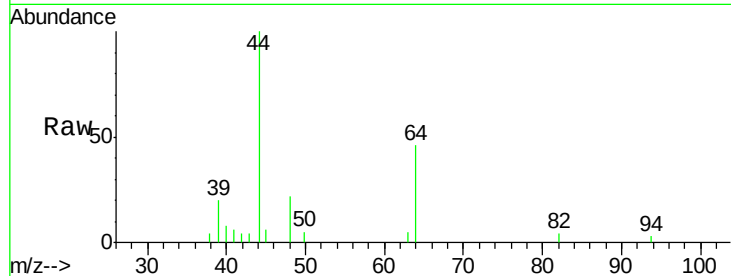
ClientSampled :

Tot Ion: 64 Resp: 636

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#11

Tert butyl alcohol

Concen: 0.294 ug/l

RT: 3.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VX000442.D

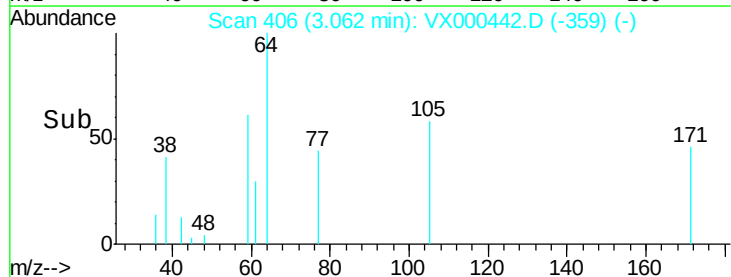
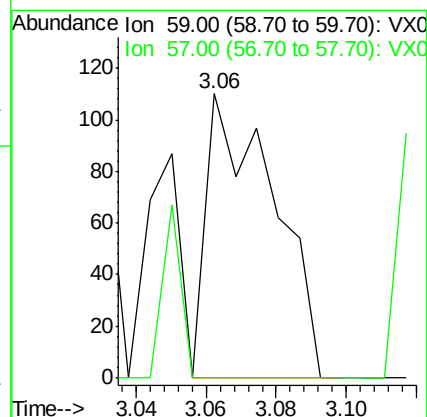
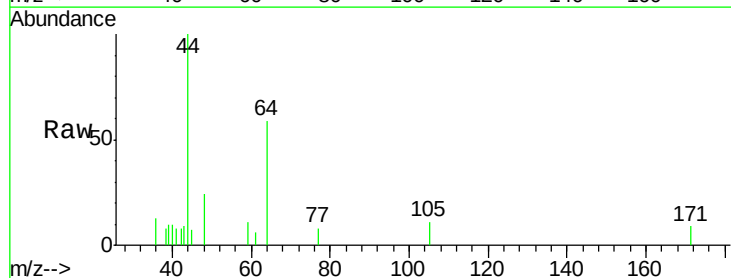
Acq: 26 Mar 2018 15:51

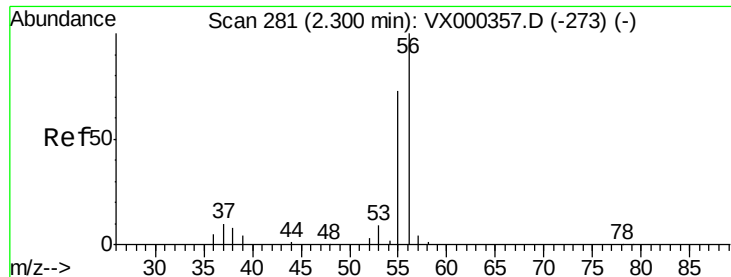
Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





#13

Acrolein

Concen: 14.867 ug/l

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

Instrument :

MSVOA_X

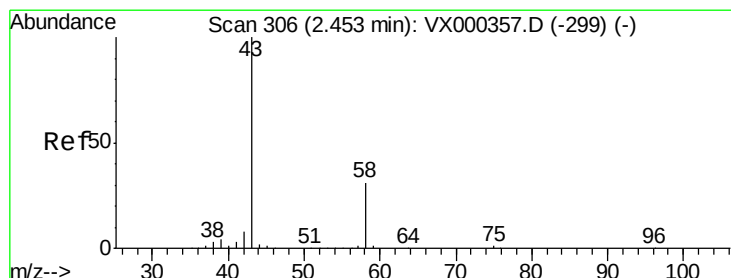
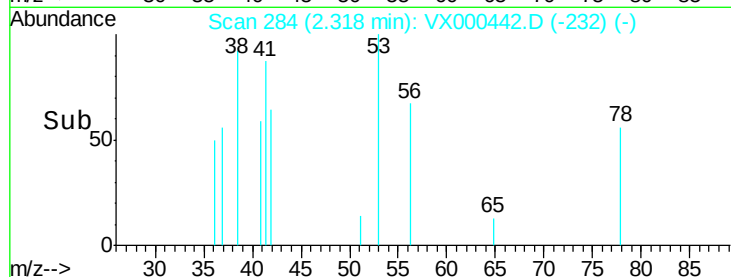
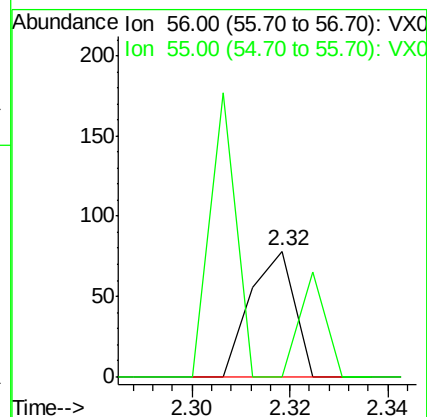
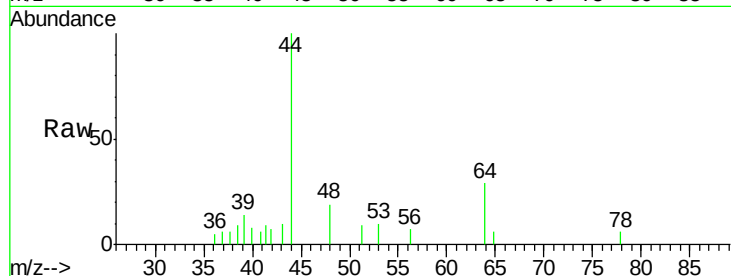
ClientSampleId :

Tot Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 49.0 58.8 88.2#



#16

Acetone

Concen: 1.936 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000442.D

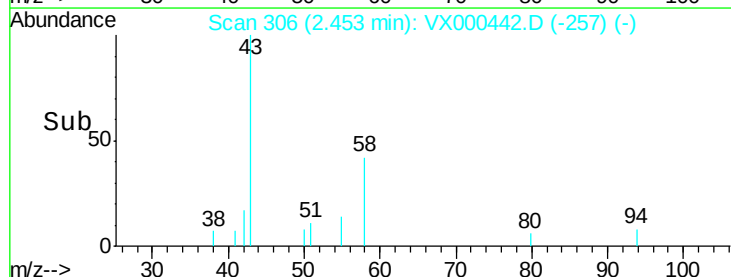
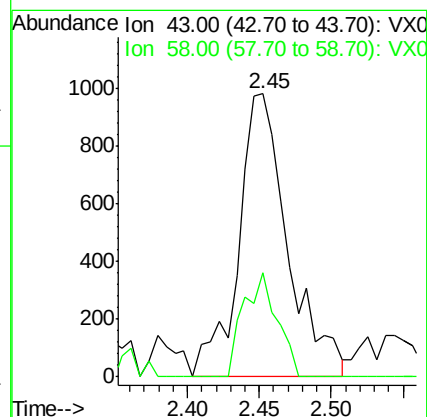
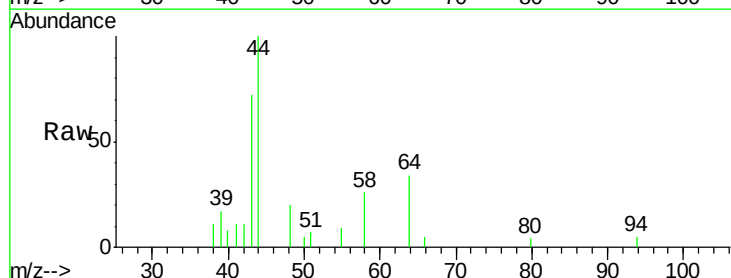
Acq: 26 Mar 2018 15:51

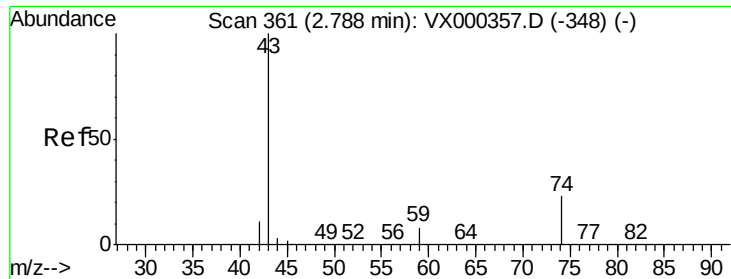
Tgt Ion: 43 Resp: 2339

Ion Ratio Lower Upper

43 100

58 36.6 24.7 37.1

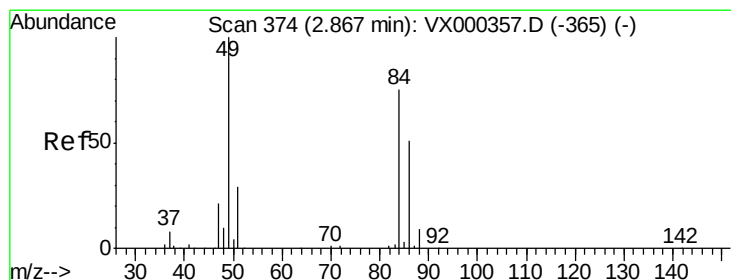
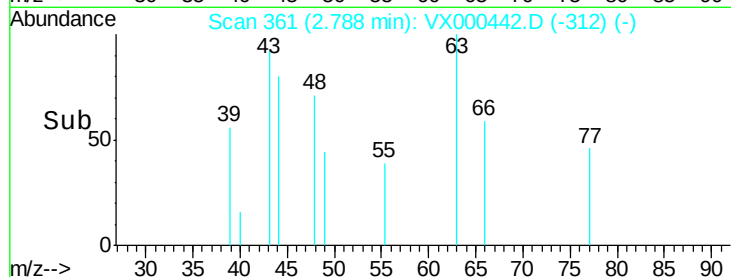
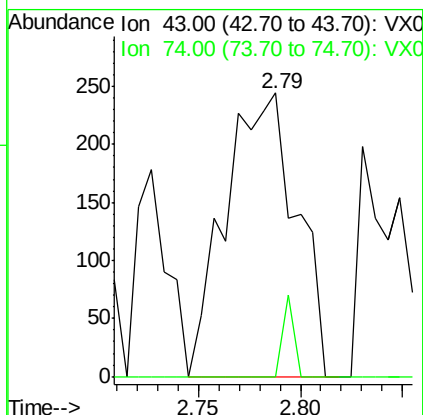
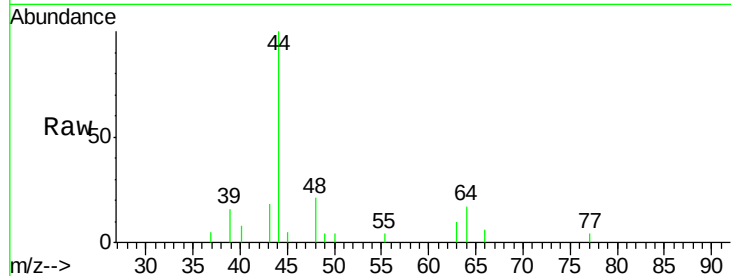




#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000442.D
Acq: 26 Mar 2018 15:51

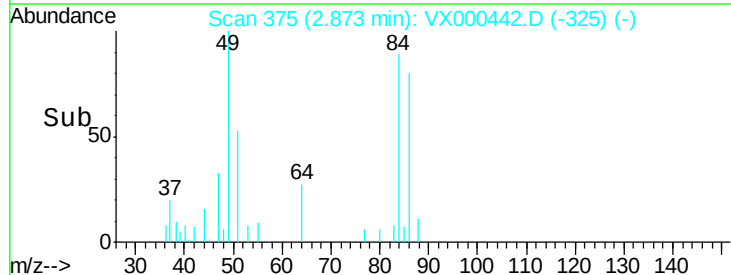
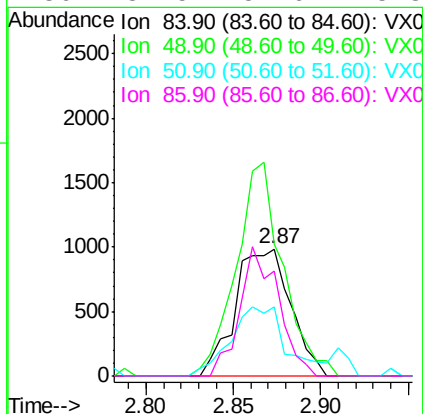
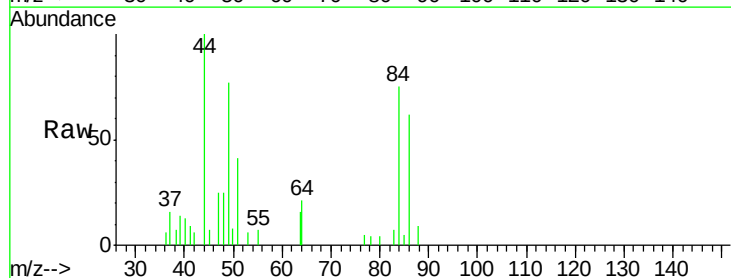
Instrument :
MSVOA_X
ClientSampled :

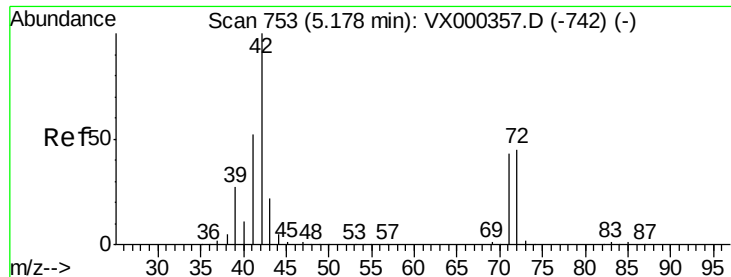
Tot Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
74 4.4 19.4 29.2#



#20
Methylene Chloride
Concen: 1.558 ug/l
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX000442.D
Acq: 26 Mar 2018 15:51

Tgt Ion: 84 Resp: 2175
Ion Ratio Lower Upper
84 100
49 103.1 100.6 151.0
51 54.8 31.6 47.4#
86 82.5 52.6 78.8#





#29

Tetrahydrofuran

Concen: 0.205 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

Instrument :

MSVOA_X

ClientSampled :

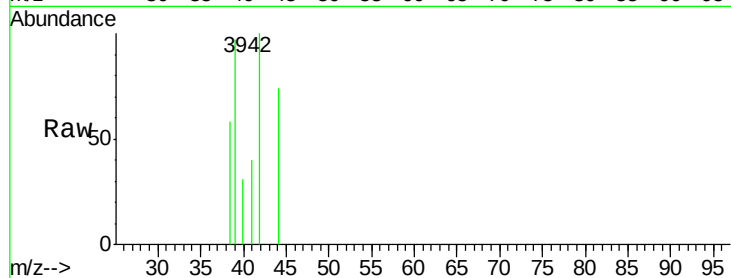
Tot Ion: 42 Resp: 171

Ion Ratio Lower Upper

42 100

72 12.9 37.9 56.9#

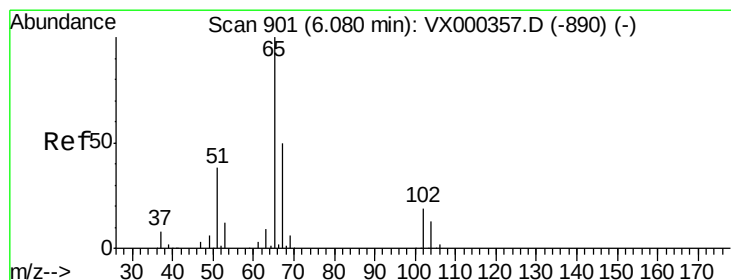
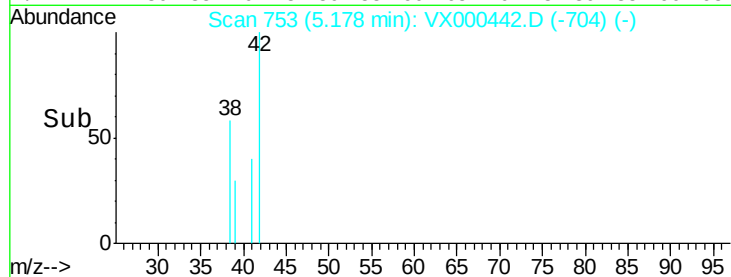
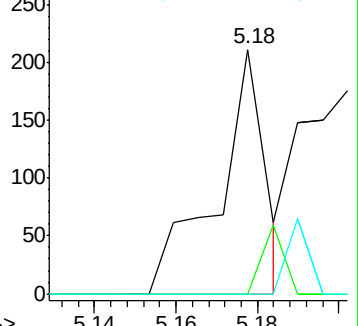
71 14.0 34.4 51.6#



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



#33

1,2-Dichloroethane-d4

Concen: 56.819 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000442.D

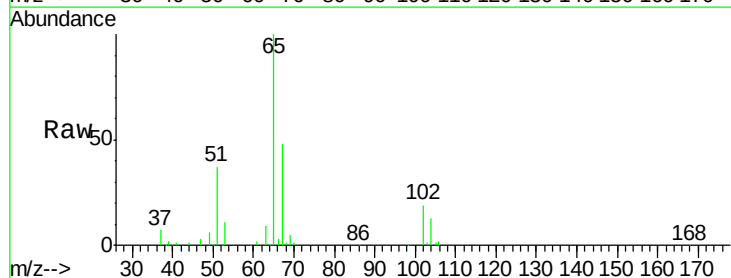
Acq: 26 Mar 2018 15:51

Tgt Ion: 65 Resp: 82538

Ion Ratio Lower Upper

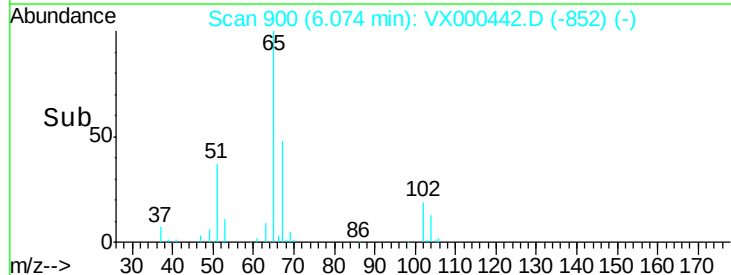
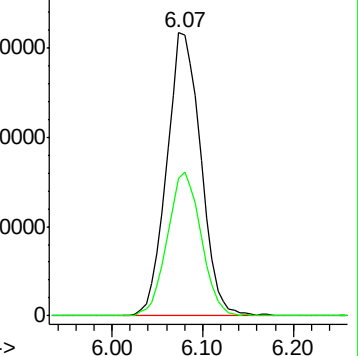
65 100

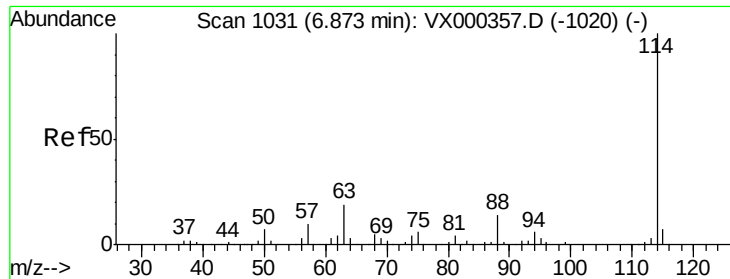
67 50.3 0.0 103.2



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: VX000442.D

Acq: 26 Mar 2018 15:51

Instrument :

MSVOA_X

ClientSampled :

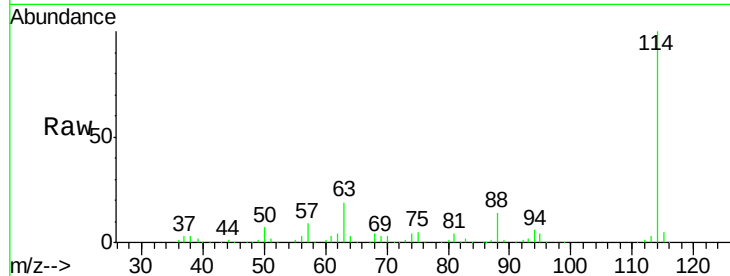
Tot Ion:114 Resp: 200141

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

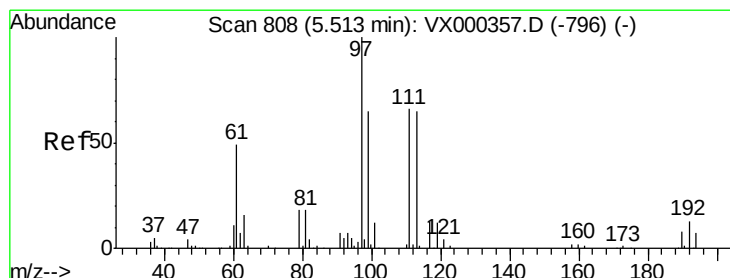
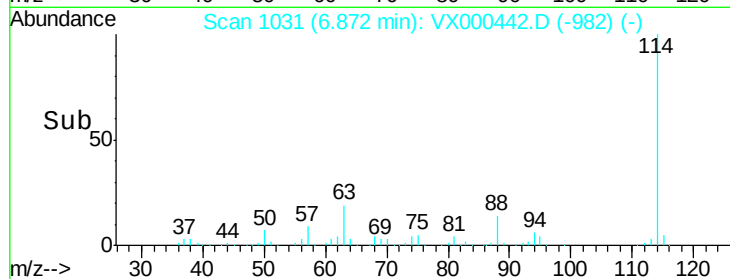
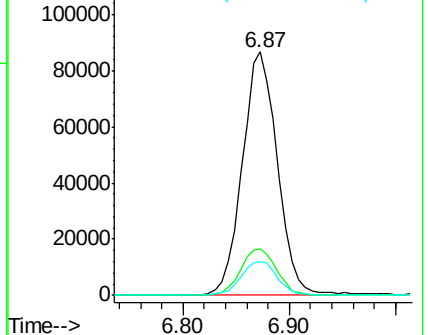
88 13.9 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.743 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

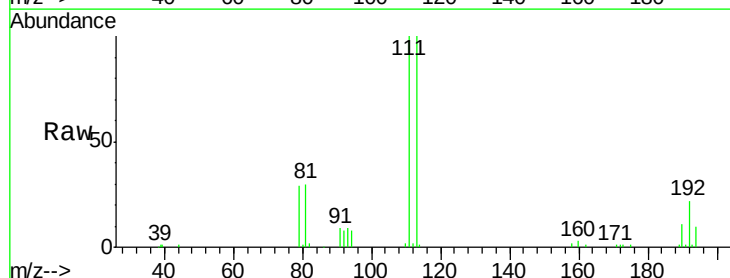
Tgt Ion:113 Resp: 63990

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

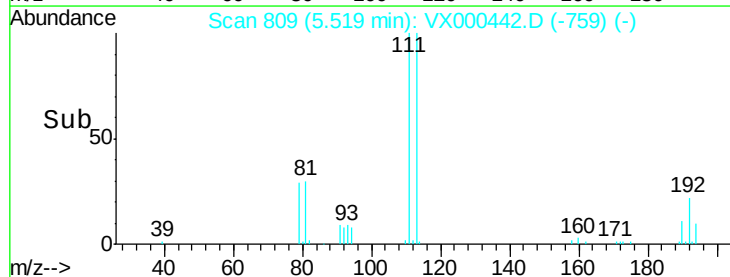
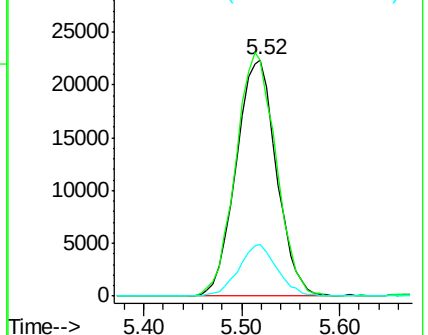
192 20.8 15.8 23.6

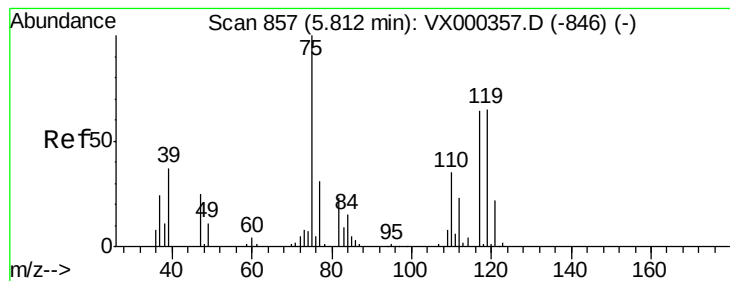


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.689 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

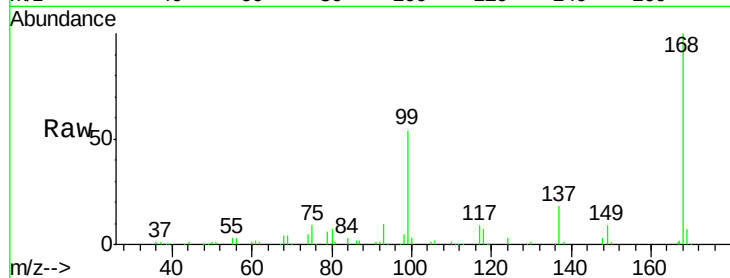
Tot Ion: 75 Resp: 8791

Ion Ratio Lower Upper

75 100

110 8.9 17.9 53.7#

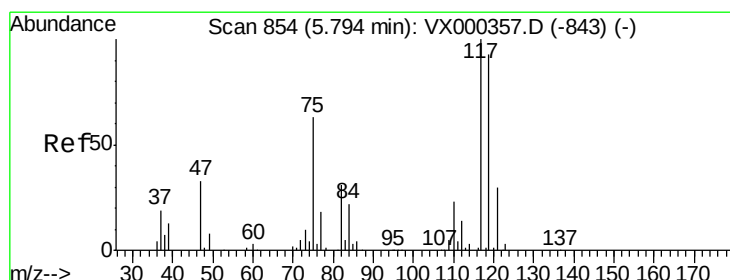
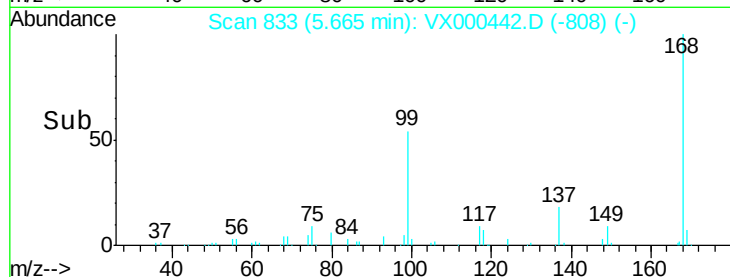
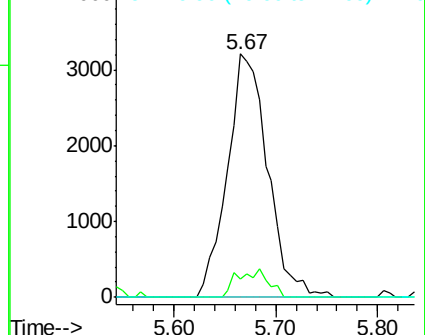
77 0.0 24.0 36.0#



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: 5.628 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

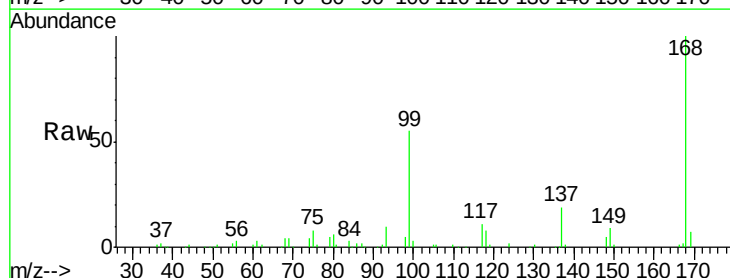
Tgt Ion: 117 Resp: 11069

Ion Ratio Lower Upper

117 100

119 4.6 77.4 116.2#

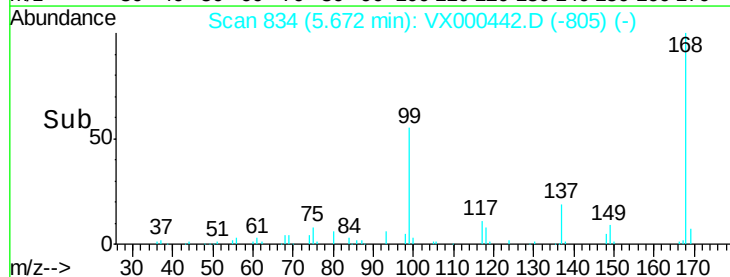
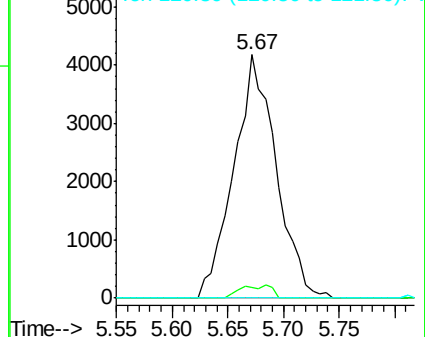
121 0.0 24.8 37.2#

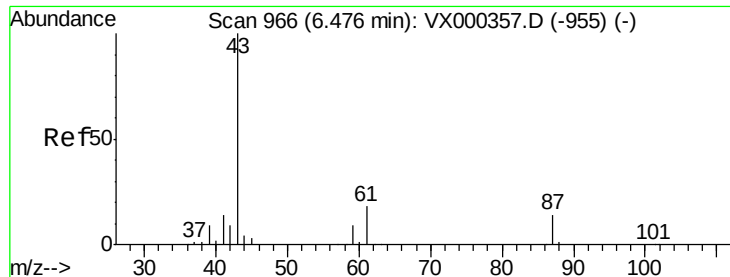


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.432 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

Instrument :

MSVOA_X

ClientSampled :

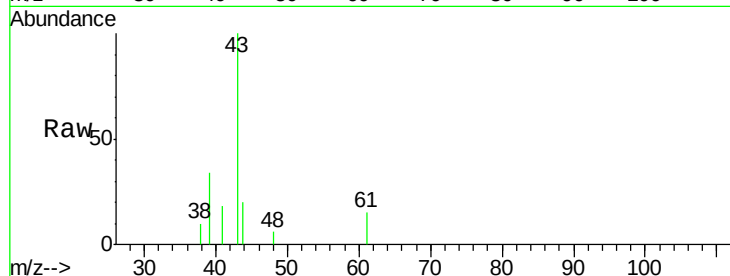
Tot Ion: 43 Resp: 1647

Ion Ratio Lower Upper

43 100

61 9.1 14.4 21.6#

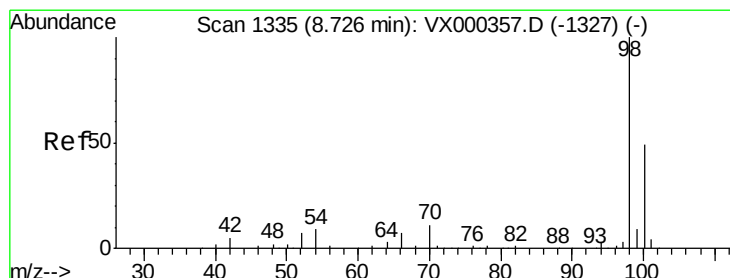
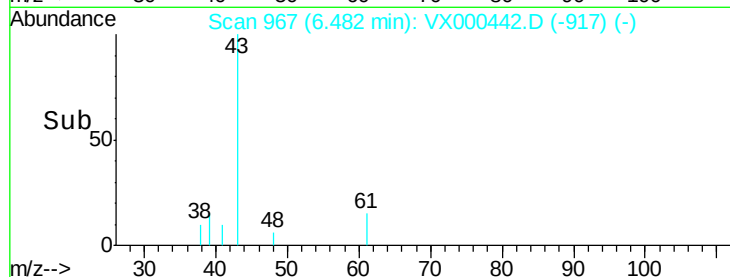
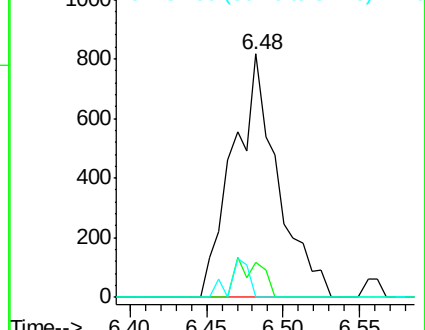
87 6.6 11.0 16.4#



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: 46.787 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000442.D

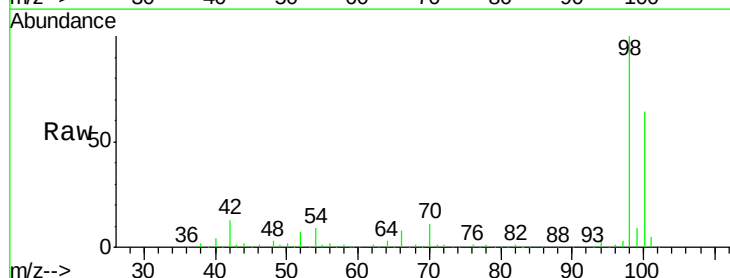
Acq: 26 Mar 2018 15:51

Tgt Ion: 98 Resp: 244361

Ion Ratio Lower Upper

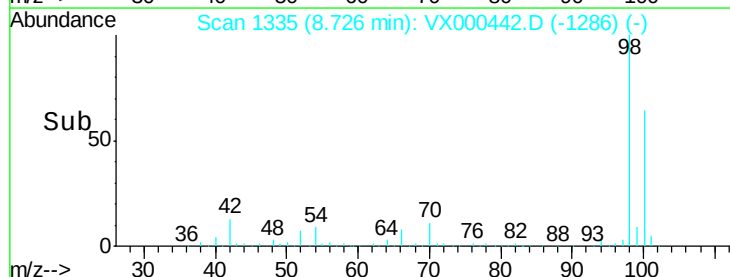
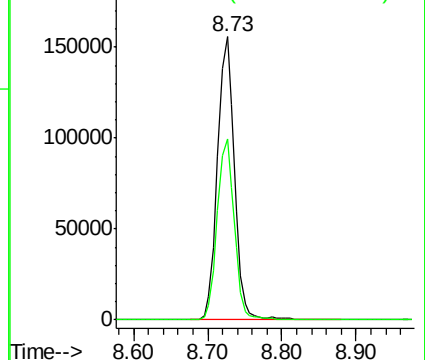
98 100

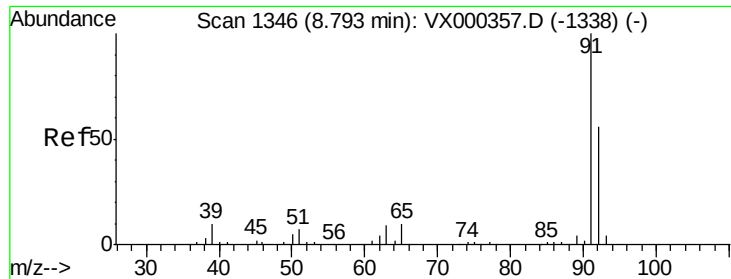
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.271 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

Instrument :

MSVOA_X

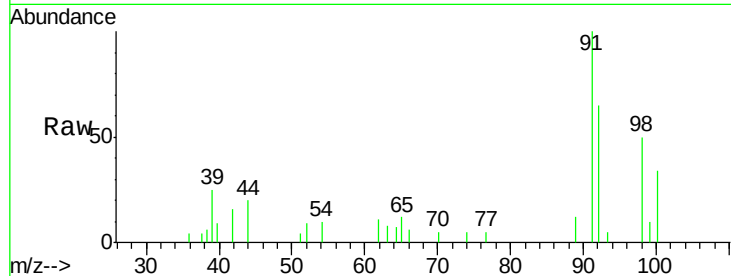
ClientSampleId :

Tot Ion: 92 Resp: 1032

Ion Ratio Lower Upper

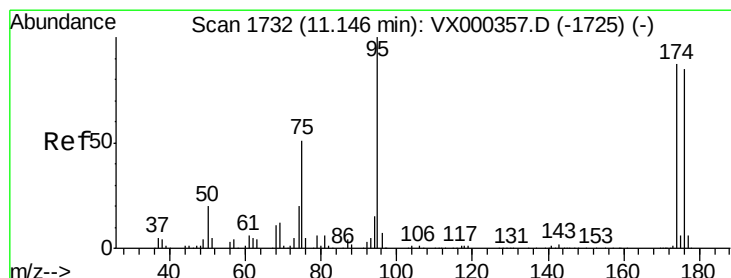
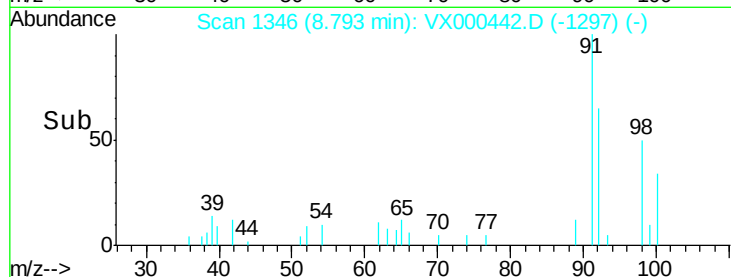
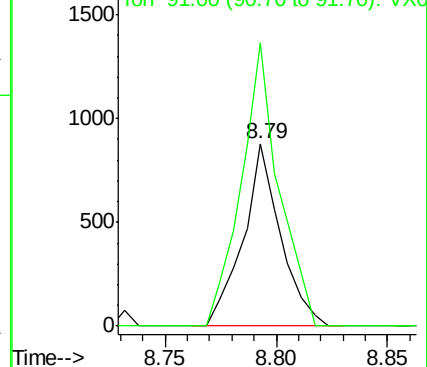
92 100

91 155.9 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 38.267 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000442.D

Acq: 26 Mar 2018 15:51

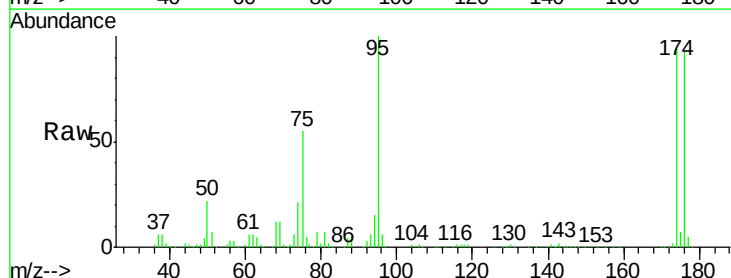
Tgt Ion: 95 Resp: 80800

Ion Ratio Lower Upper

95 100

174 91.8 0.0 173.6

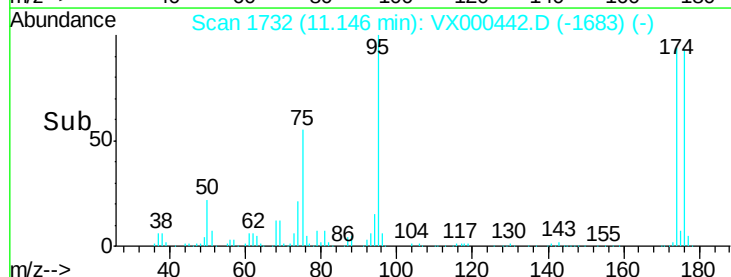
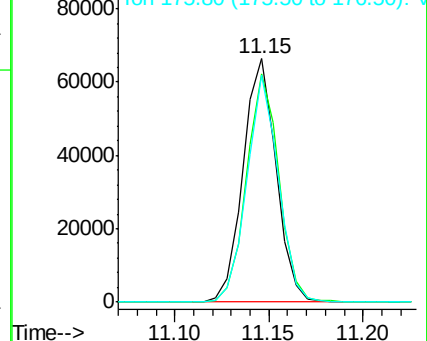
176 88.6 0.0 164.6

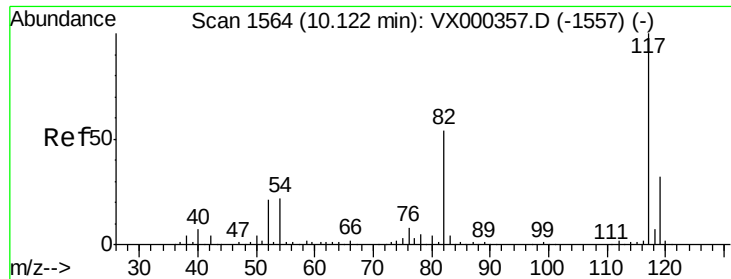


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

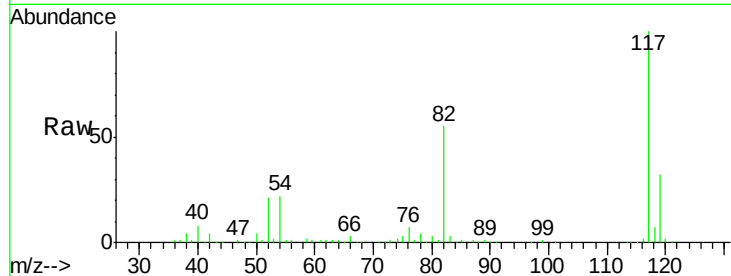




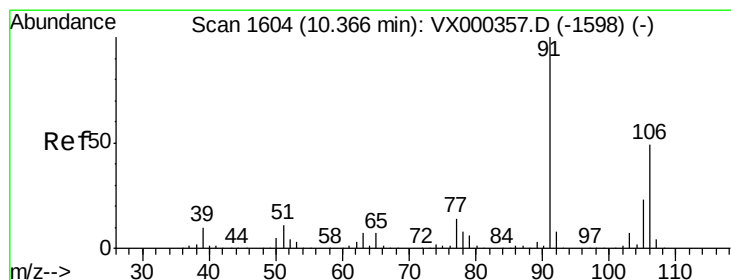
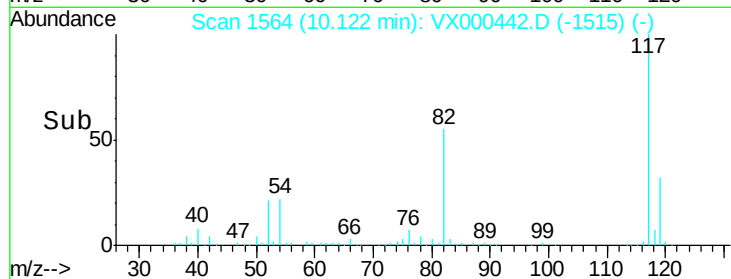
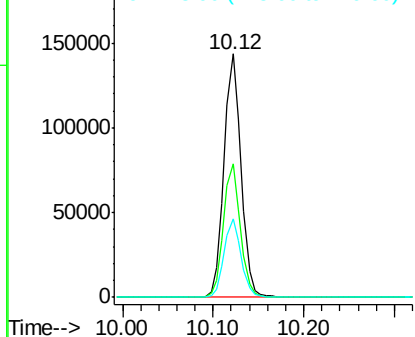
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000442.D
Acq: 26 Mar 2018 15:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 188670
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.8
119 32.3 24.9 37.3

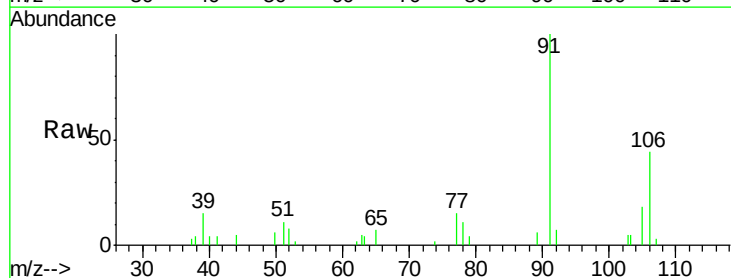


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

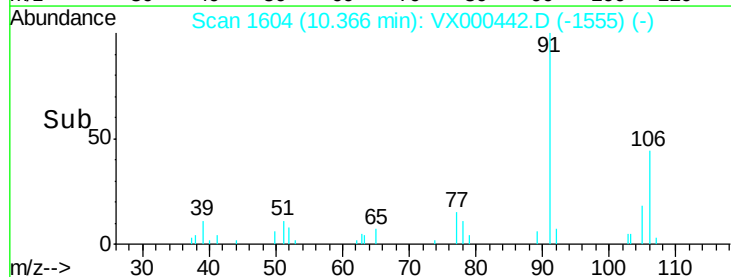
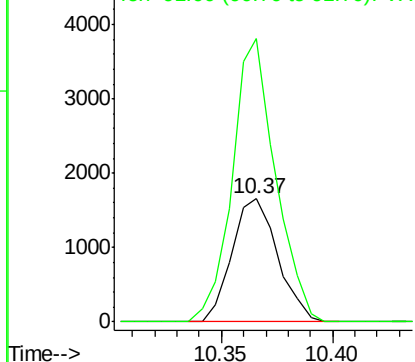


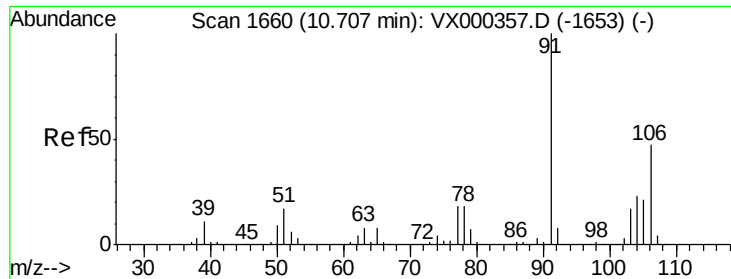
#68
m/p-Xylenes
Concen: 0.847 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000442.D
Acq: 26 Mar 2018 15:51

Tgt Ion:106 Resp: 2372
Ion Ratio Lower Upper
106 100
91 217.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

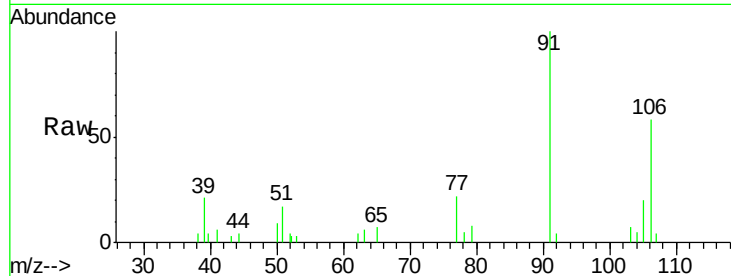




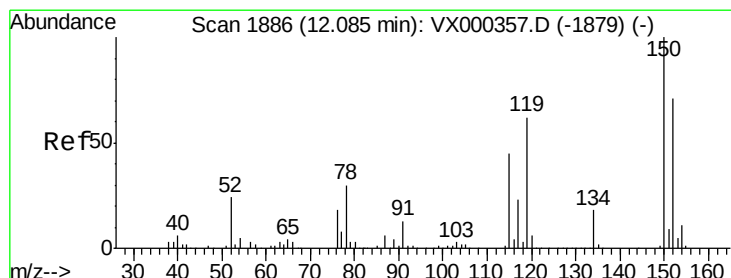
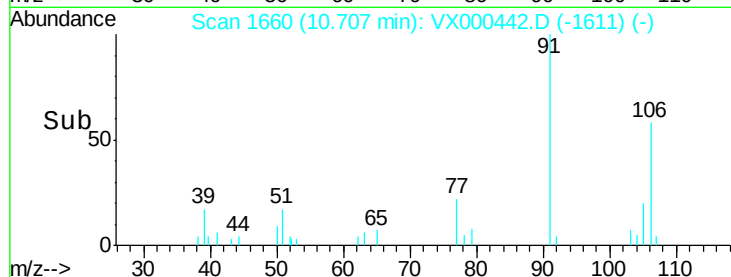
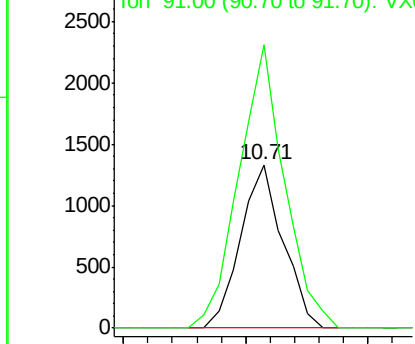
#69
o-Xylene
Concen: 0.594 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000442.D
Acq: 26 Mar 2018 15:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 1612
Ion Ratio Lower Upper
106 100
91 186.7 106.5 319.6

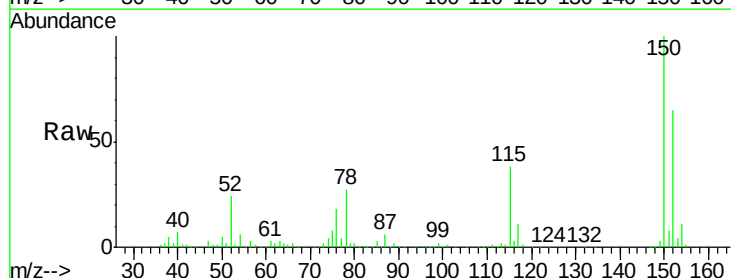


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

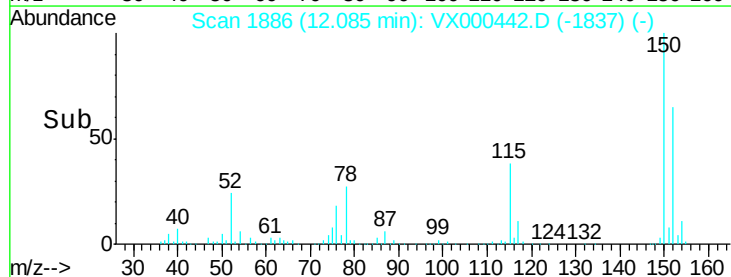
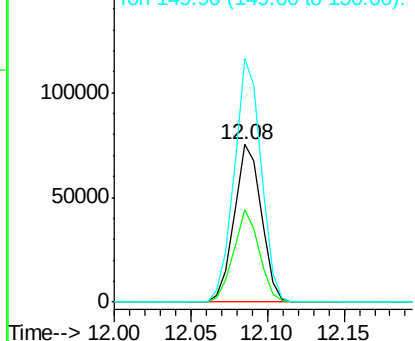


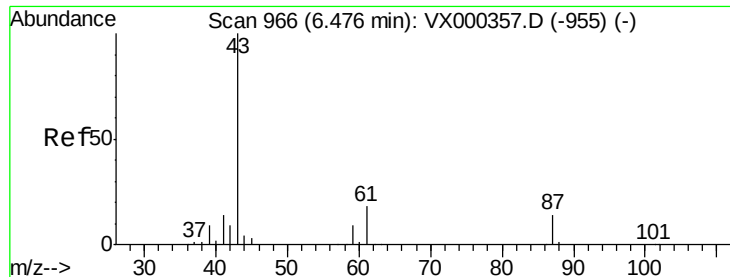
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000442.D
Acq: 26 Mar 2018 15:51

Tgt Ion:152 Resp: 92851
Ion Ratio Lower Upper
152 100
115 55.5 39.8 119.3
150 152.6 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

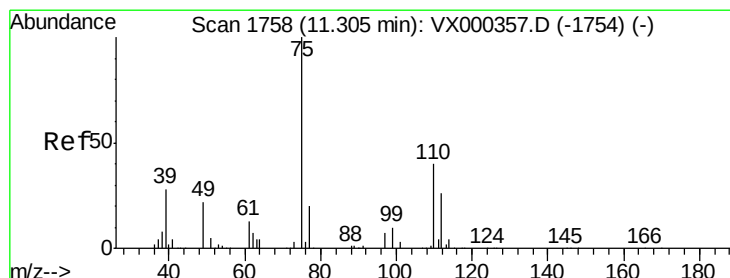
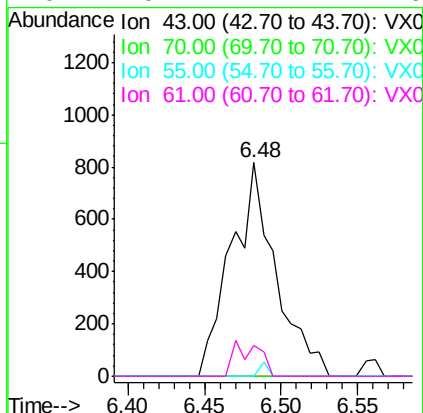
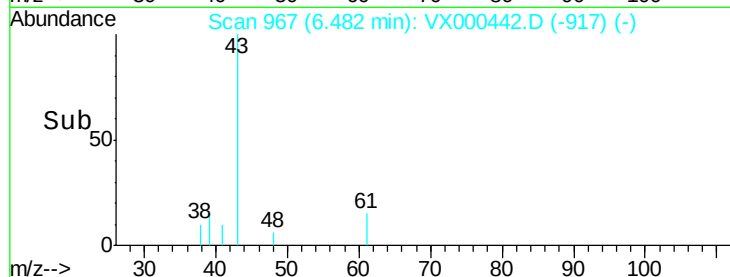
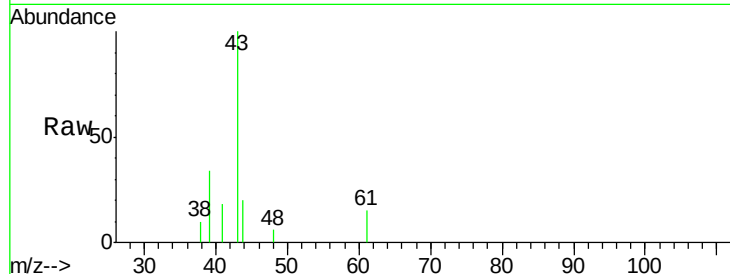




#74
N-amvl acetate
Concen: Below Cal
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000442.D
Acq: 26 Mar 2018 15:51

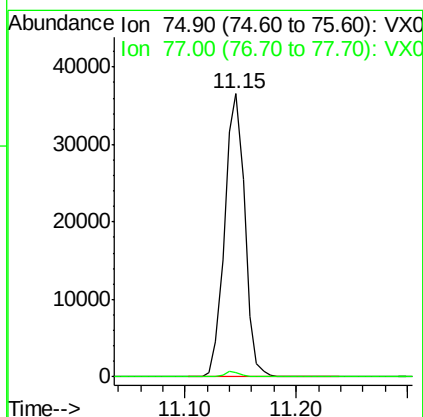
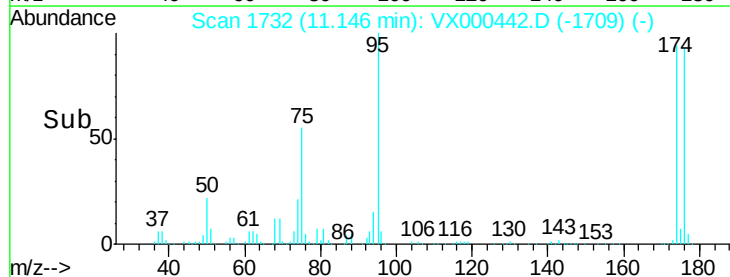
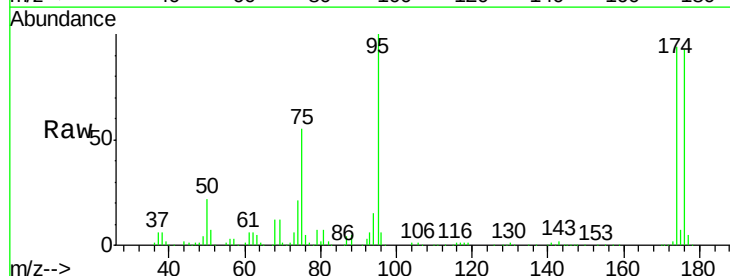
Instrument :
MSVOA_X
ClientSampleId :

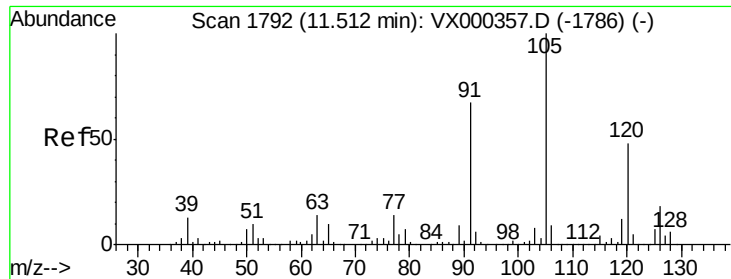
Tot Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 1.2 0.0 0.0#
61 9.1 14.4 21.6#



#76
1,2,3-Trichloropropane
Concen: 22.939 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.16 min
Lab File: VX000442.D
Acq: 26 Mar 2018 15:51

Tgt Ion: 75 Resp: 45774
Ion Ratio Lower Upper
75 100
77 1.6 21.4 64.2#

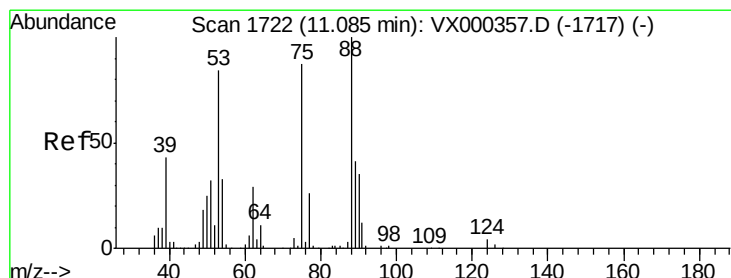
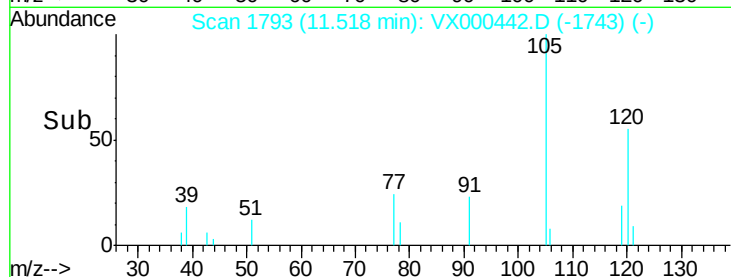
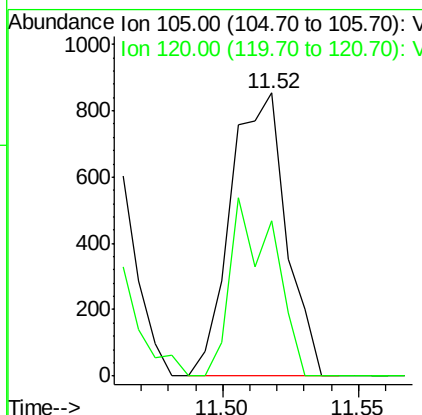
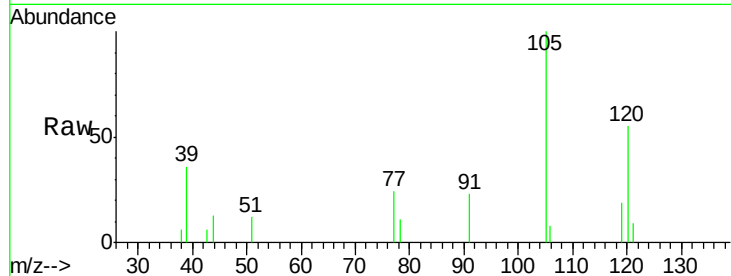




#80
 1,3,5-Trimethylbenzene
 Concen: 0.233 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.01 min
 Lab File: VX000442.D
 Acq: 26 Mar 2018 15:51

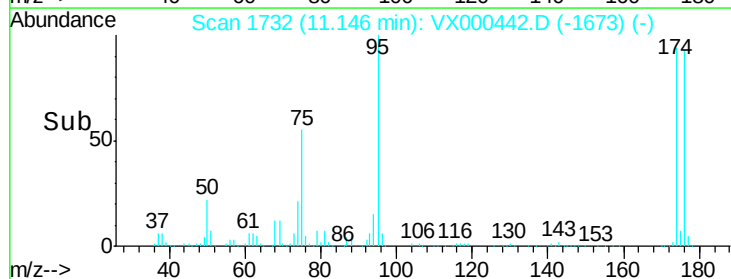
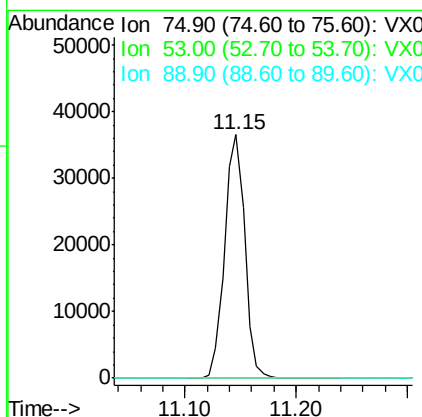
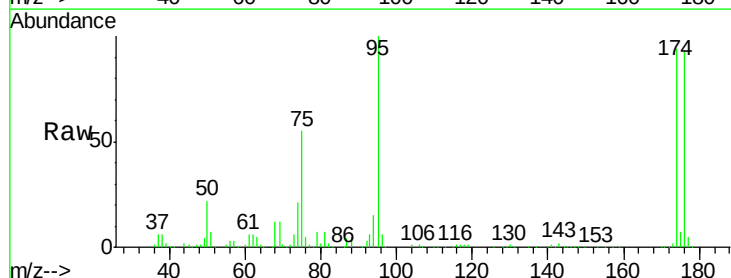
Instrument :
 MSVOA_X
 ClientSampled :

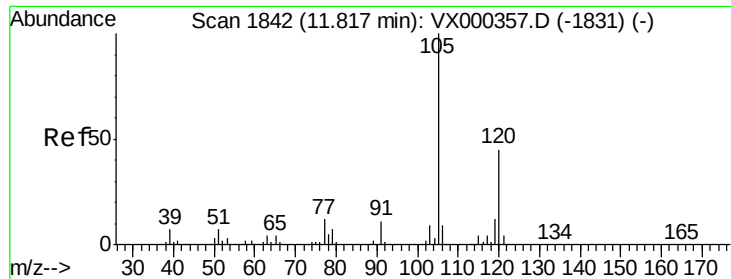
Tot Ion:105 Resp: 1205
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.266 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000442.D
 Acq: 26 Mar 2018 15:51

Tgt Ion: 75 Resp: 45774
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

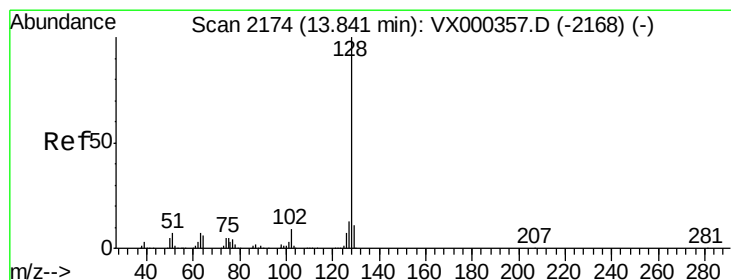
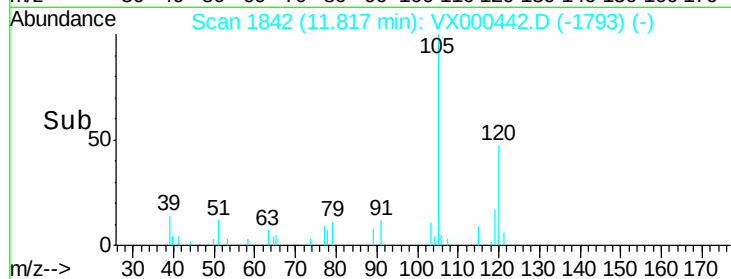
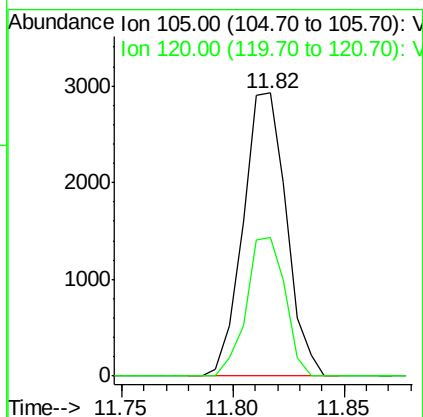
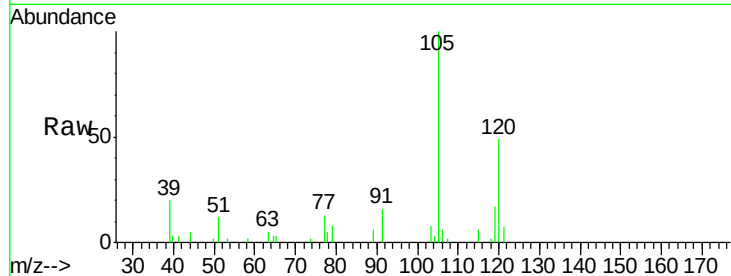




#84
 1,2,4-Trimethylbenzene
 Concen: 0.731 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000442.D
 Acq: 26 Mar 2018 15:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 3964
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.3



#95
 Naphthalene
 Concen: 5.486 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000442.D
 Acq: 26 Mar 2018 15:51

Tgt Ion:128 Resp: 41618
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.6 15.8
 129 10.0 8.9 13.3

