

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002914.D
 Acq On : 27 Jun 2018 00:36
 Operator : JC/MD
 Sample : J3707-08 50X
 Misc : 5.97g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 02:44:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	352129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183933	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	169984	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	5.51	113	134979	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	8.72	98	497040	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.14	95	174897	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

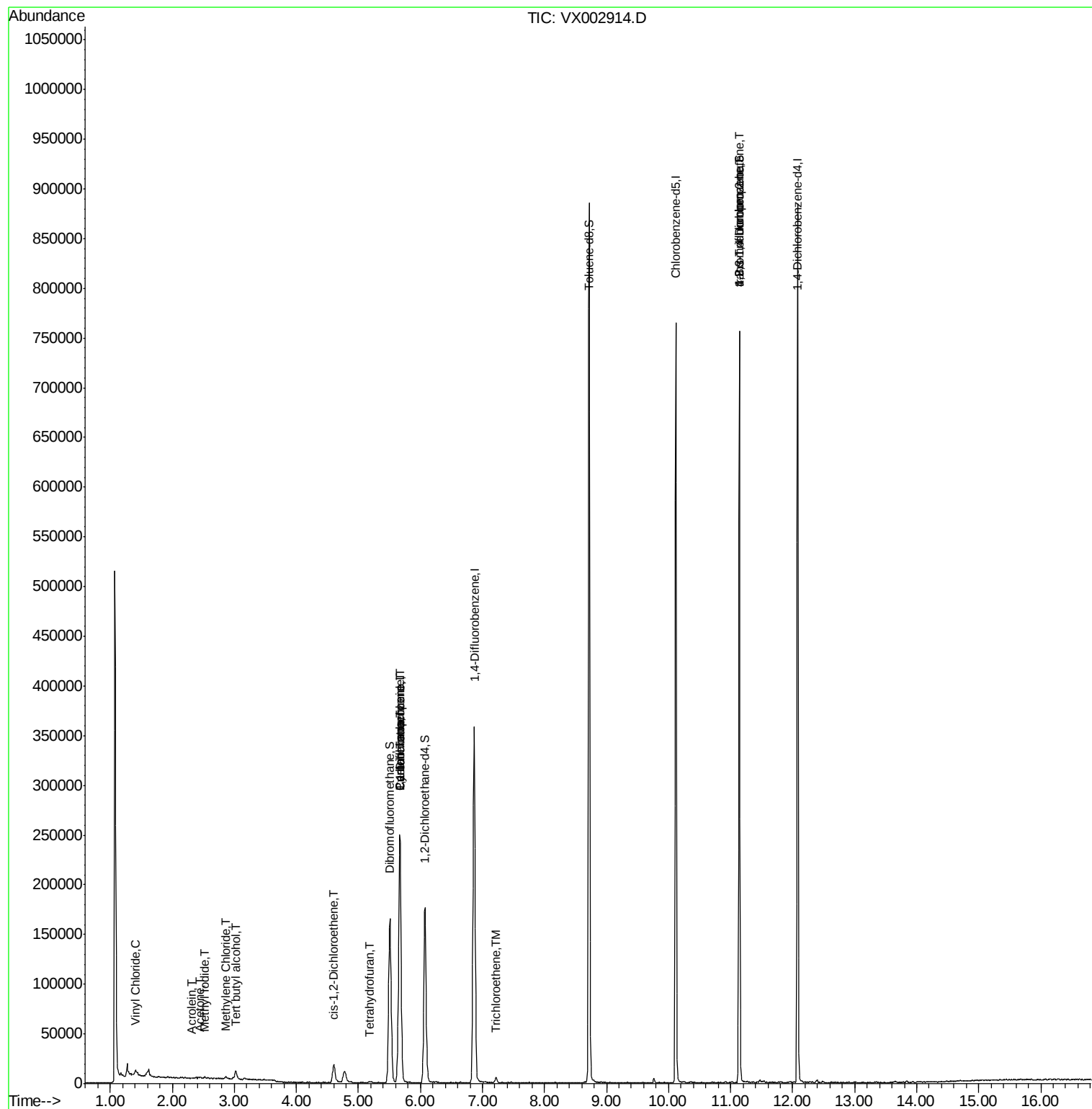
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	82	Below Cal	#	43
3) Chloromethane	1.32	50	379	Below Cal		98
4) Vinyl Chloride	1.40	62	927	0.33	ug/l #	1
5) Bromomethane	1.65	94	1895	Below Cal		85
6) Chloroethane	1.71	64	268	Below Cal		92
10) Methyl Iodide	2.52	142	1589	6.72	ug/l #	93
11) Tert butyl alcohol	3.02	59	5194	7.50	ug/l #	89
13) Acrolein	2.31	56	154	4.62	ug/l	96
16) Acetone	2.45	43	1274	0.88	ug/l #	77
20) Methylene Chloride	2.86	84	1208	0.43	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	9764	3.22	ug/l	78
29) Tetrahydrofuran	5.17	42	1137	0.83	ug/l #	60
31) Cyclohexane	5.67	56	5115	1.17	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16982	4.40	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22806	5.38	ug/l #	16
44) Trichloroethene	7.21	130	1832	0.55	ug/l	79
76) 1,2,3-Trichloropropane	11.14	75	92118	27.65	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	92118	78.19	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

Instrument :

MSVOA_X

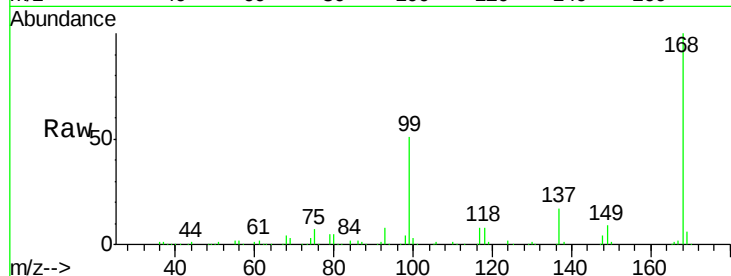
ClientSampleId :

Tot Ion:168 Resp: 251517

Ion Ratio Lower Upper

168 100

99 51.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

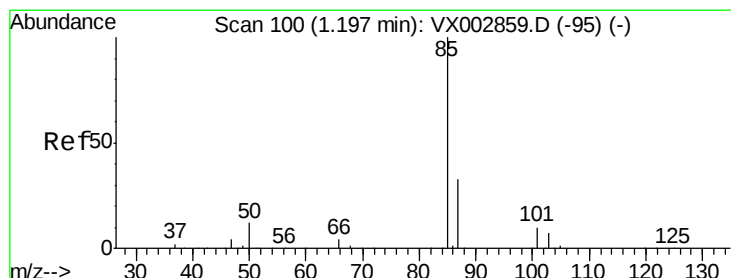
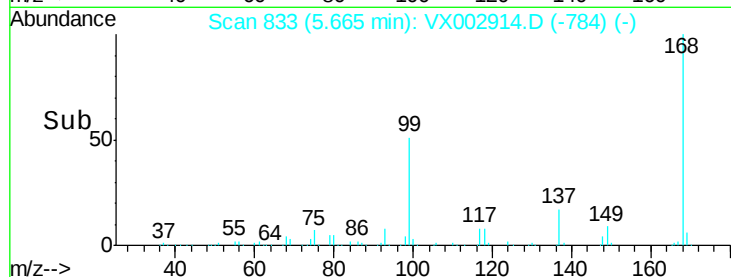
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002914.D

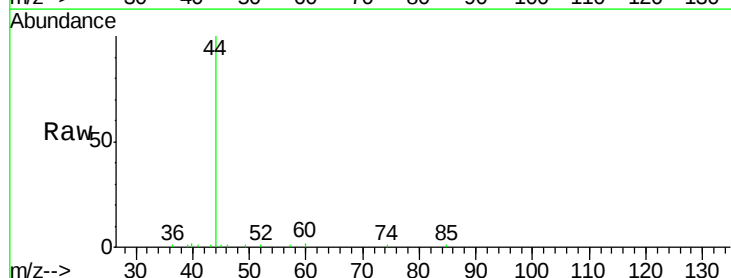
Acq: 27 Jun 2018 00:36

Tgt Ion: 85 Resp: 82

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100

80

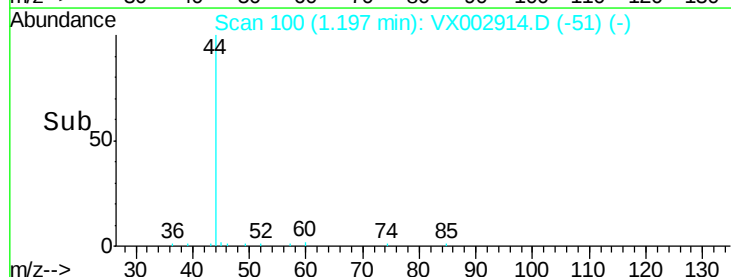
60

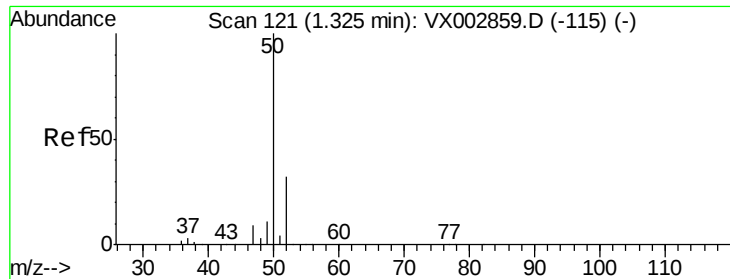
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

Instrument :

MSVOA_X

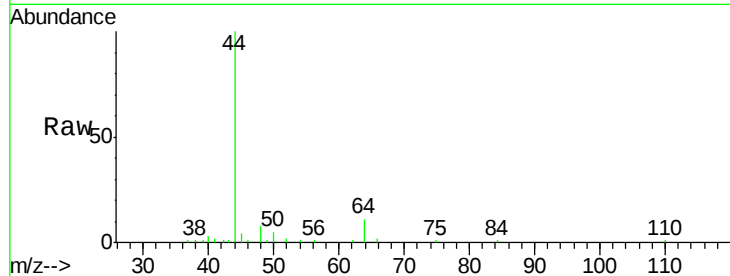
ClientSampleId :

Tot Ion: 50 Resp: 379

Ion Ratio Lower Upper

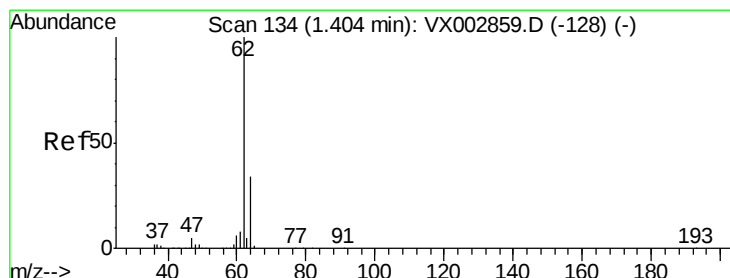
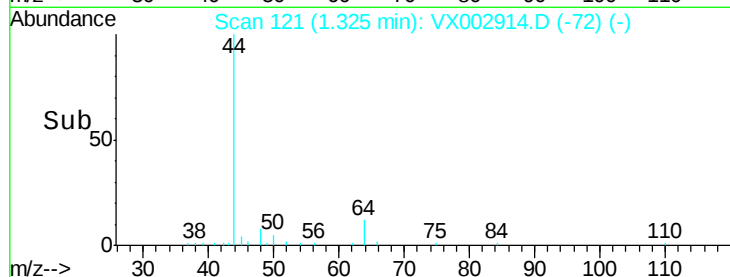
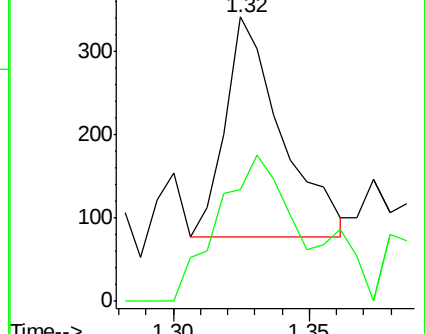
50 100

52 31.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002914.D

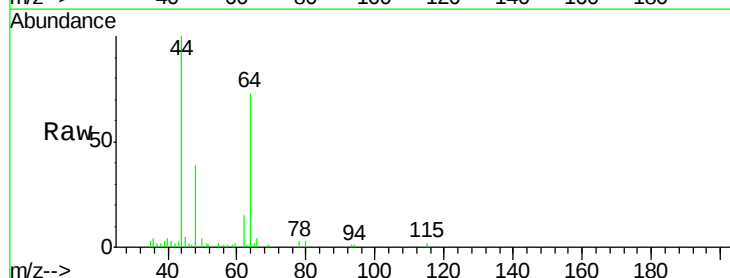
Acq: 27 Jun 2018 00:36

Tgt Ion: 62 Resp: 927

Ion Ratio Lower Upper

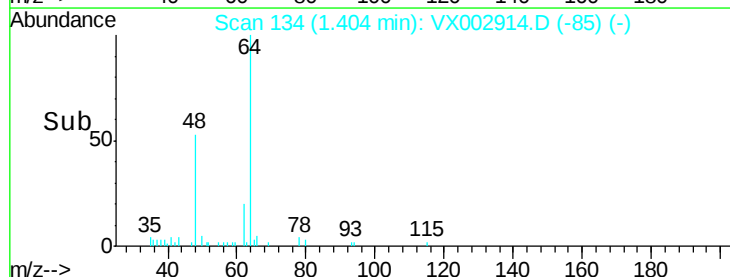
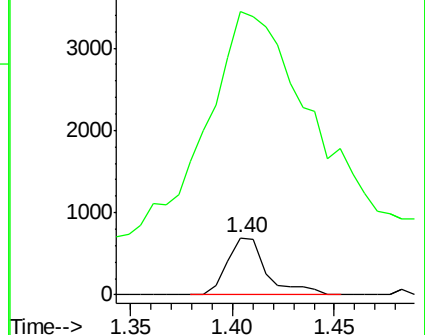
62 100

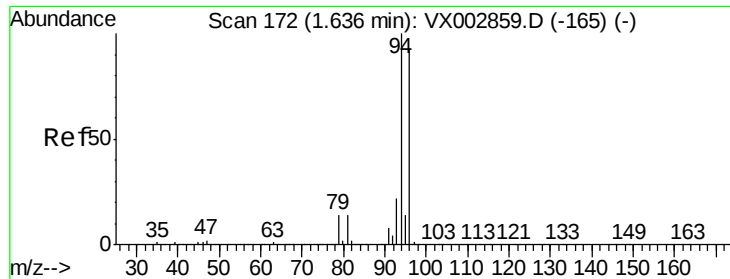
64 259.9 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

Instrument :

MSVOA_X

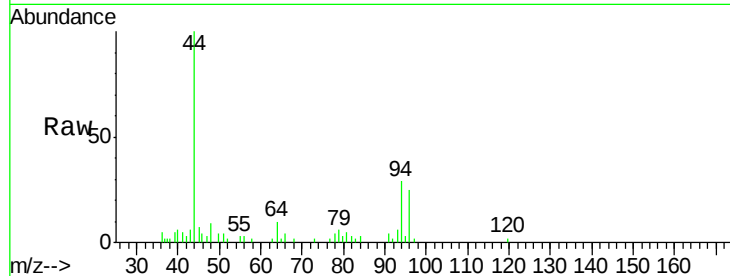
ClientSampleId :

Tot Ion: 94 Resp: 1895

Ion Ratio Lower Upper

94 100

96 79.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

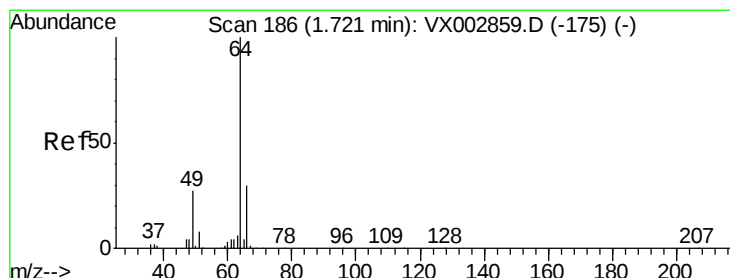
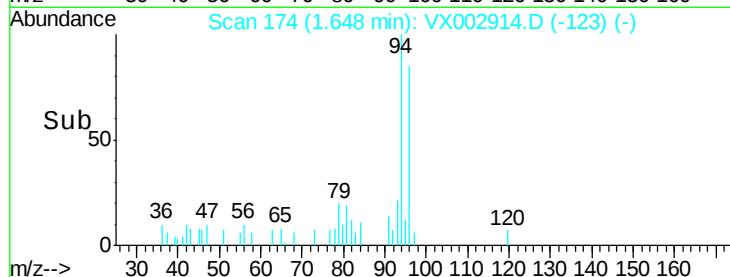
400

200

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002914.D

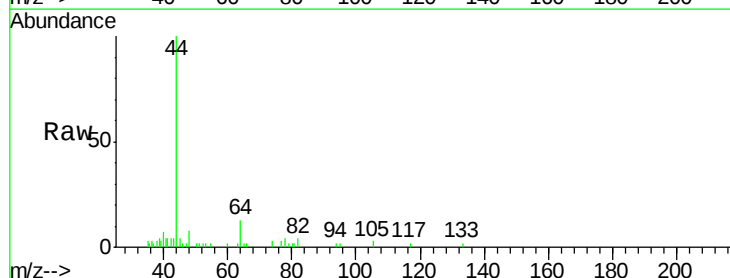
Acq: 27 Jun 2018 00:36

Tgt Ion: 64 Resp: 268

Ion Ratio Lower Upper

64 100

66 36.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

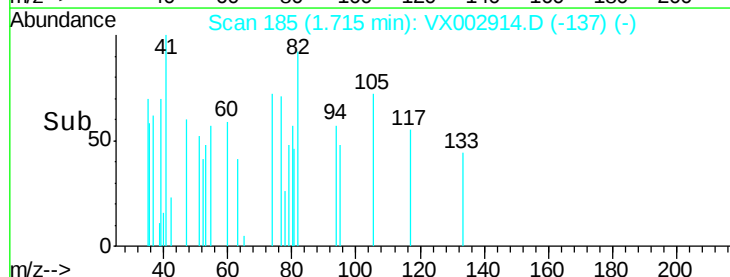
400

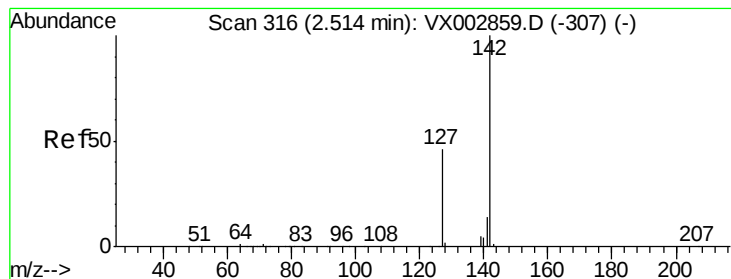
200

0

Time-->

1.68 1.70 1.72





#10

Methyl Iodide

Concen: 6.72 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

Instrument :

MSVOA_X

ClientSampleId :

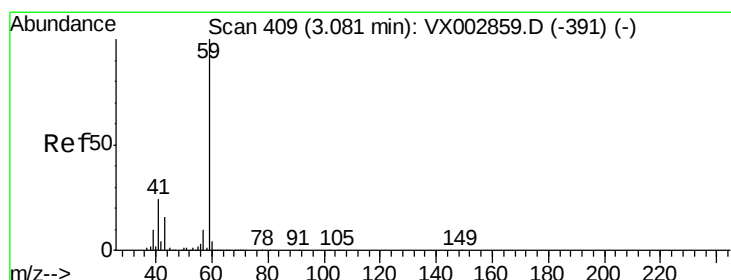
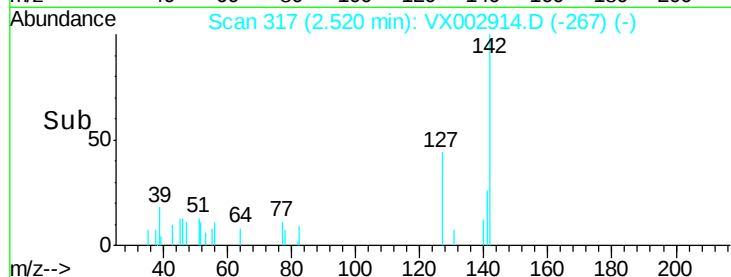
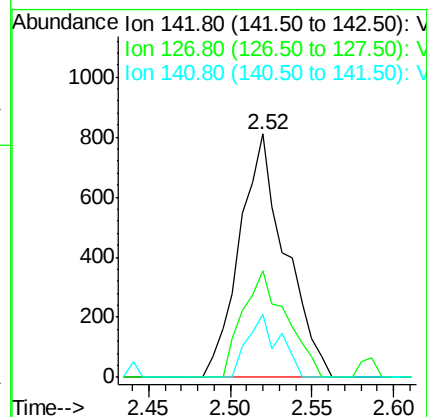
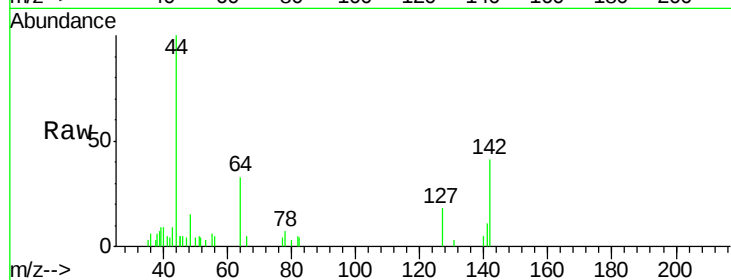
Tot Ion:142 Resp: 1589

Ion Ratio Lower Upper

142 100

127 41.8 36.6 55.0

141 18.0 11.3 16.9#



#11

Tert butyl alcohol

Concen: 7.50 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.06 min

Lab File: VX002914.D

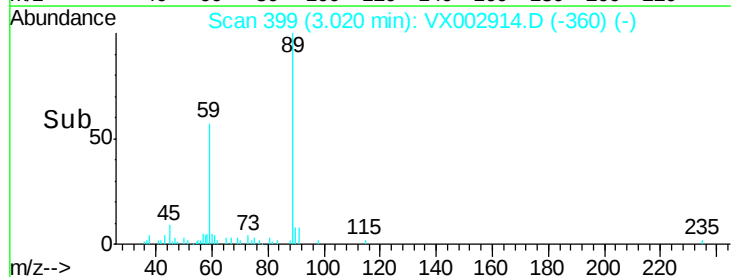
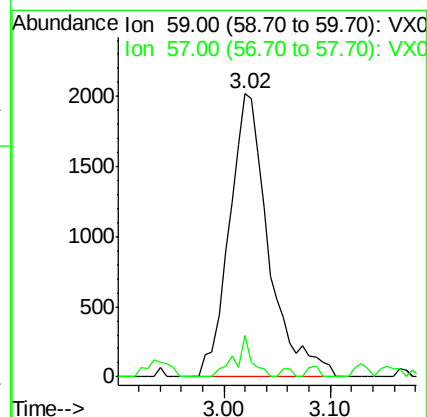
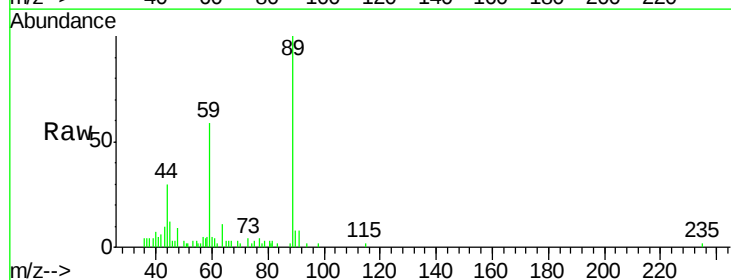
Acq: 27 Jun 2018 00:36

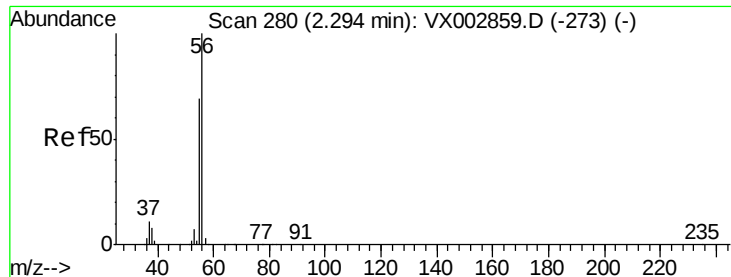
Tgt Ion: 59 Resp: 5194

Ion Ratio Lower Upper

59 100

57 6.2 8.2 12.2#





#13

Acrolein

Concen: 4.62 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

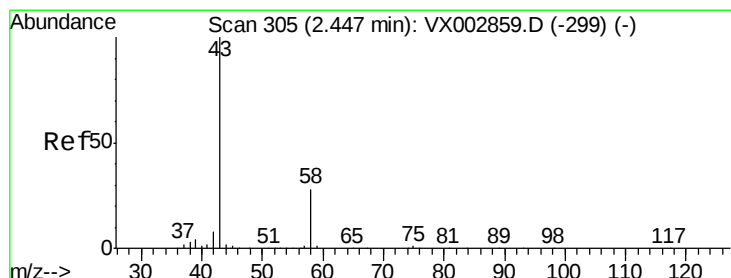
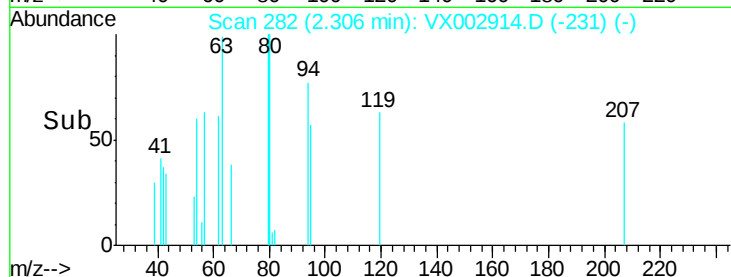
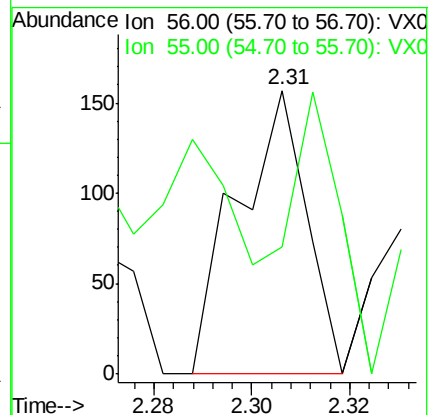
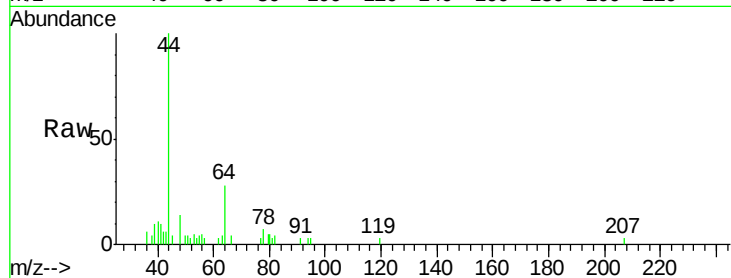
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 74.7 57.0 85.4



#16

Acetone

Concen: 0.88 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002914.D

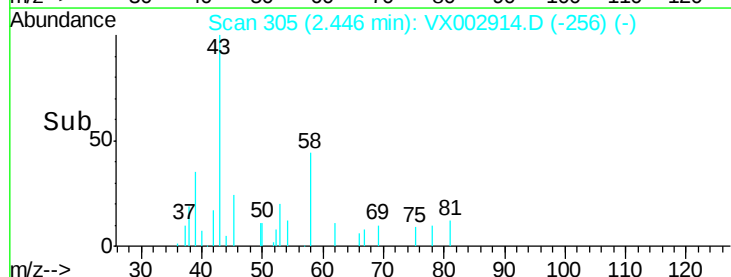
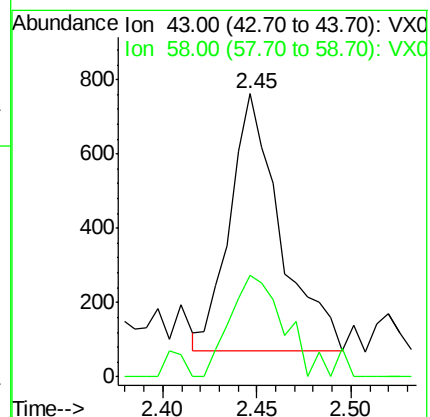
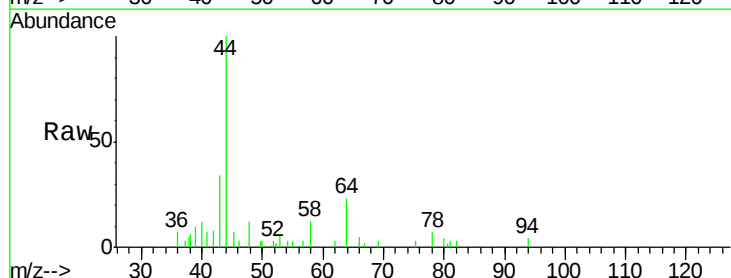
Acq: 27 Jun 2018 00:36

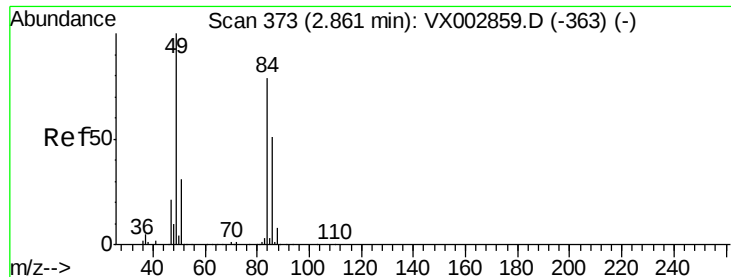
Tgt Ion: 43 Resp: 1274

Ion Ratio Lower Upper

43 100

58 39.5 22.1 33.1#





#20

Methylene Chloride

Concen: 0.43 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 1208

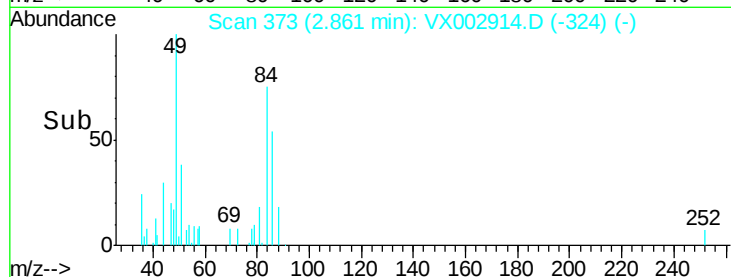
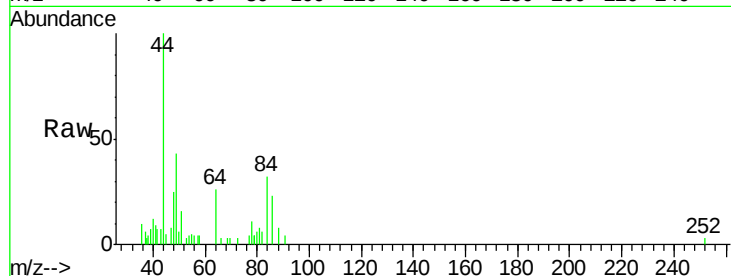
Ion Ratio Lower Upper

84 100

49 133.6 107.8 161.6

51 41.9 32.8 49.2

86 72.1 52.5 78.7

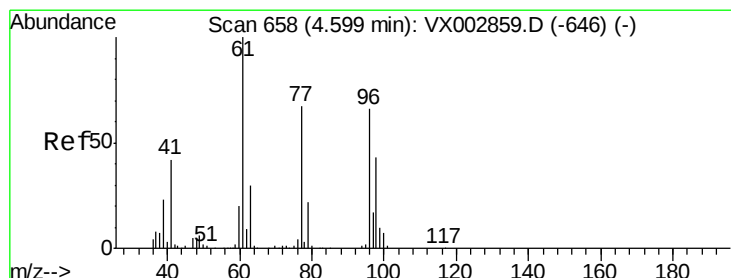
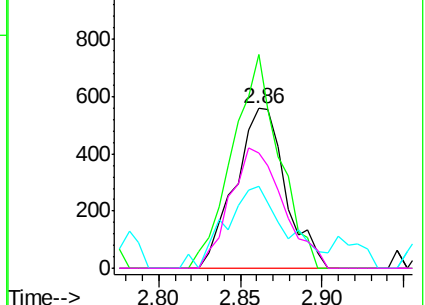


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#27

cis-1,2-Dichloroethene

Concen: 3.22 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

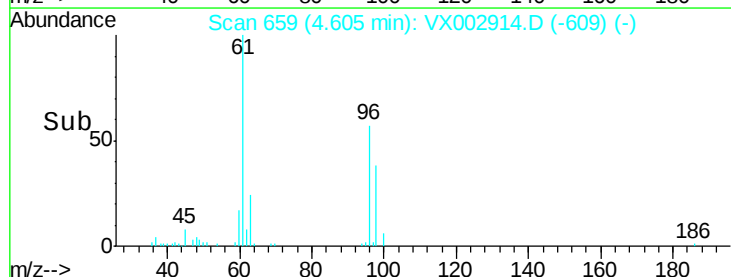
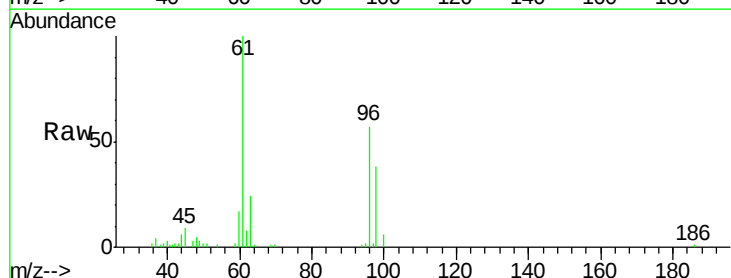
Tgt Ion: 96 Resp: 9764

Ion Ratio Lower Upper

96 100

61 202.0 0.0 330.2

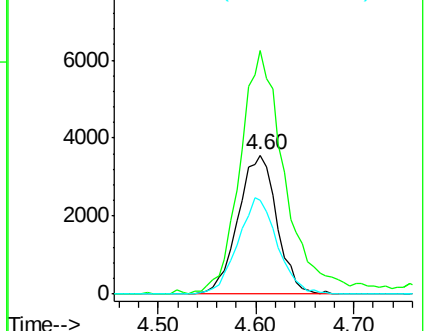
98 71.3 0.0 130.2

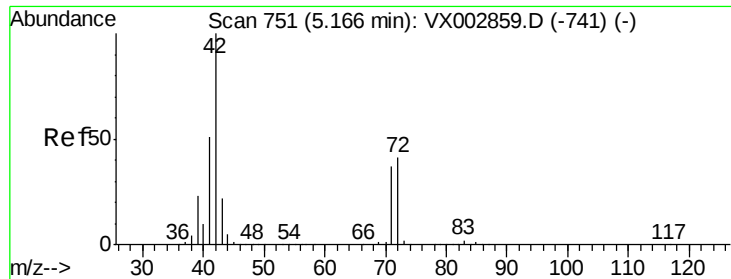


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

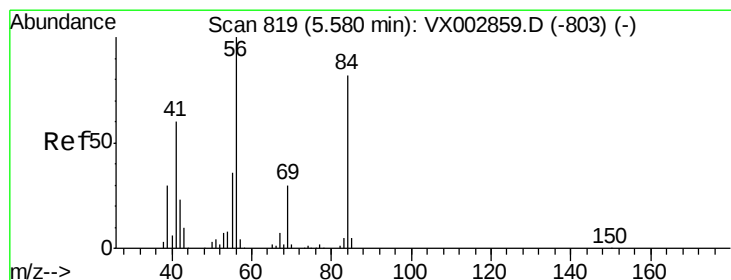
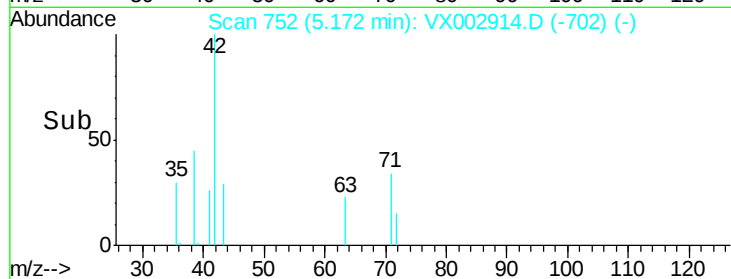
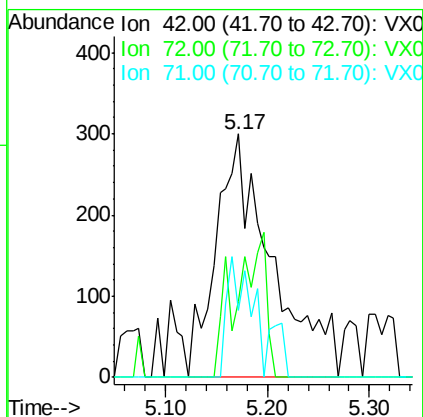
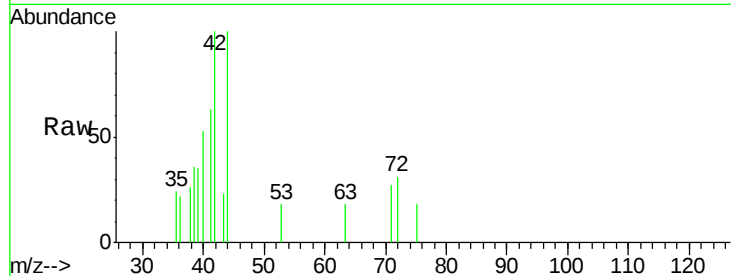




#29
Tetrahydrofuran
Concen: 0.83 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002914.D
Acq: 27 Jun 2018 00:36

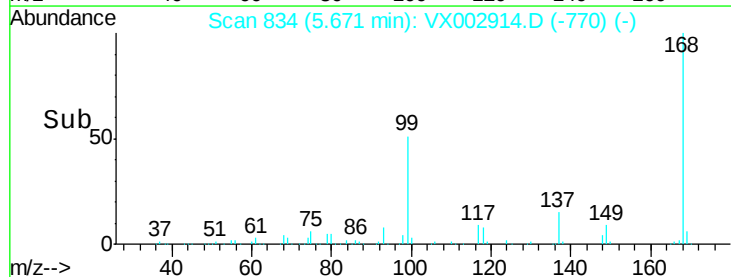
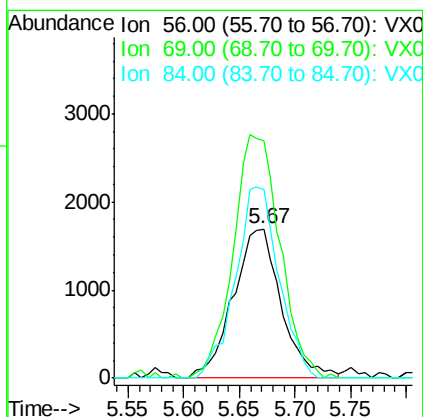
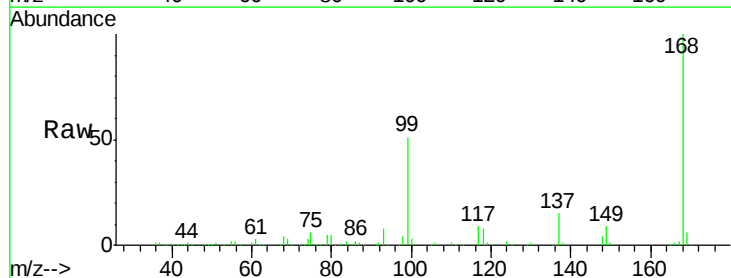
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 42 Resp: 1137
Ion Ratio Lower Upper
42 100
72 9.1 32.0 48.0#
71 20.5 30.1 45.1#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX002914.D
Acq: 27 Jun 2018 00:36

Tgt Ion: 56 Resp: 5115
Ion Ratio Lower Upper
56 100
69 158.4 23.7 35.5#
84 125.9 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 48.90 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

Instrument :

MSVOA_X

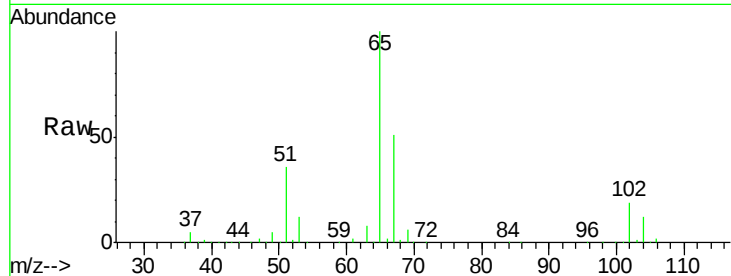
ClientSampleId :

Tot Ion: 65 Resp: 169984

Ion Ratio Lower Upper

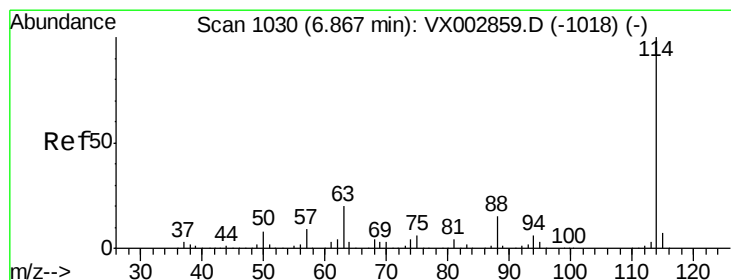
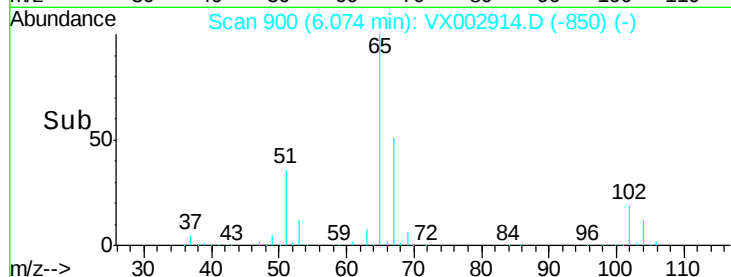
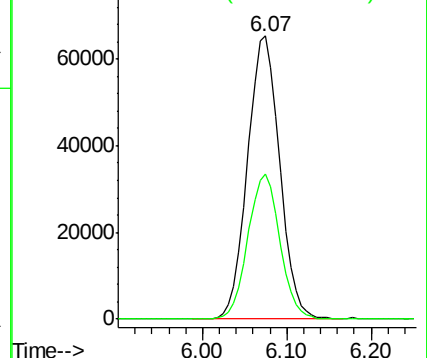
65 100

67 51.0 0.0 102.6



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. -0.00 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

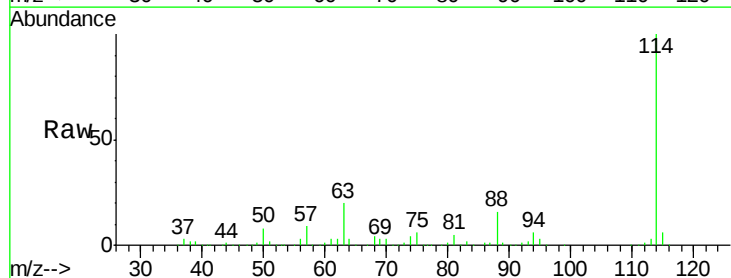
Tgt Ion: 114 Resp: 352129

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

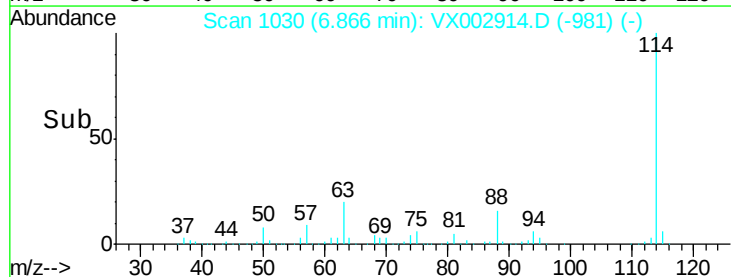
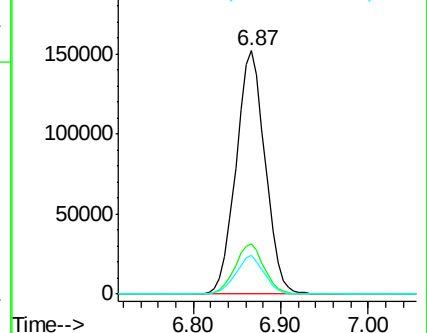
88 15.7 0.0 30.0

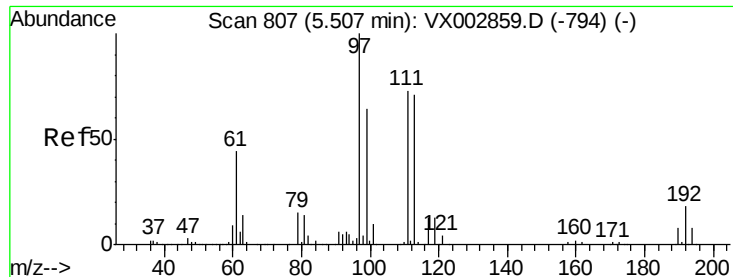


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

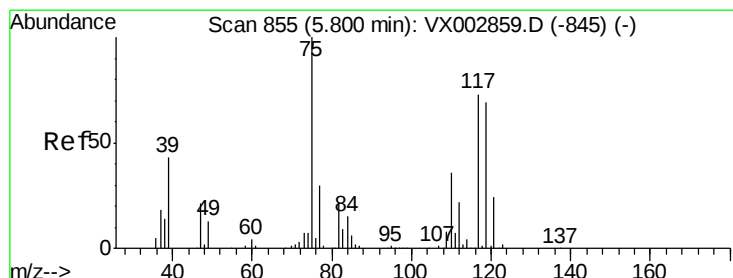
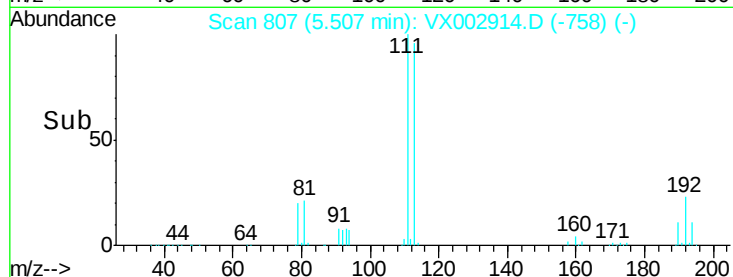
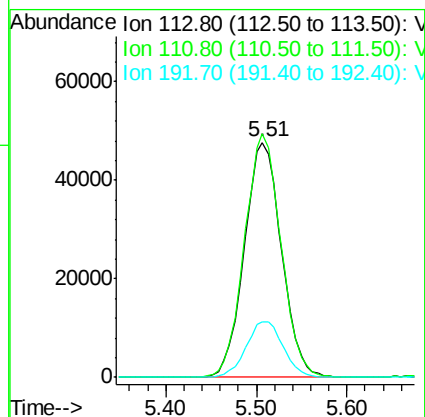
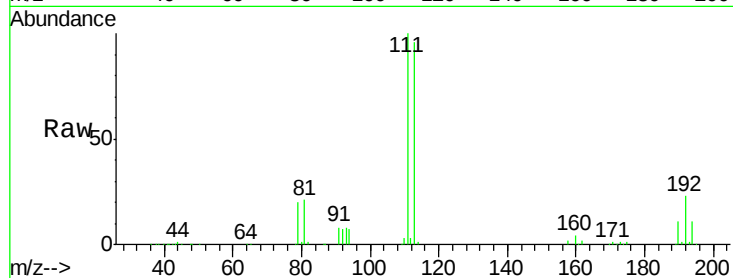




#35
 Dibromofluoromethane
 Concen: 48.40 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002914.D
 Acq: 27 Jun 2018 00:36

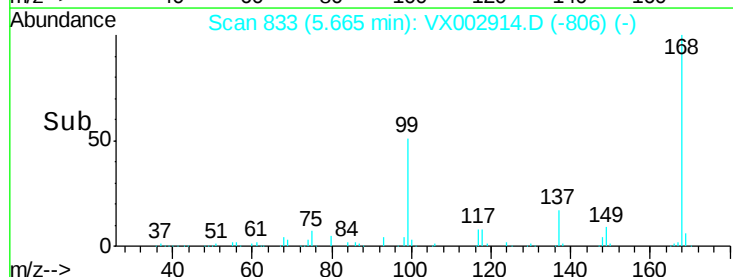
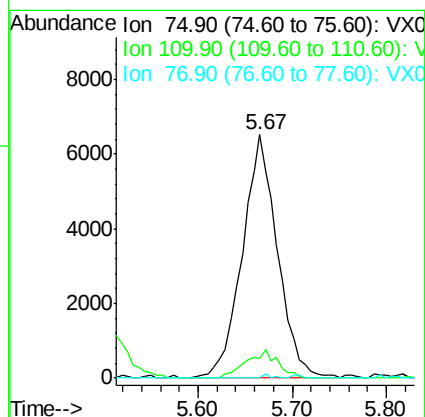
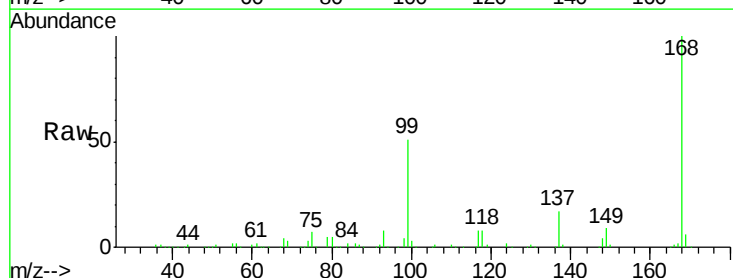
Instrument :
 MSVOA_X
 ClientSampleId :

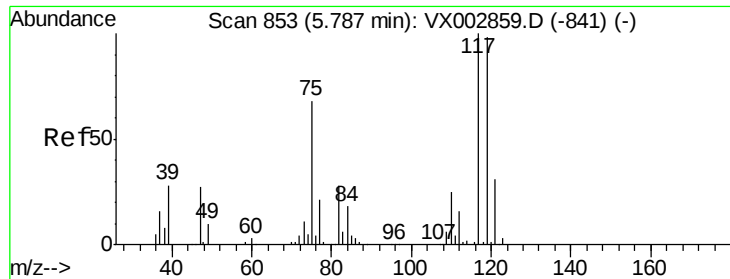
Tot Ion:113 Resp: 134979
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 23.7 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.40 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002914.D
 Acq: 27 Jun 2018 00:36

Tgt Ion: 75 Resp: 16982
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.1 54.4#
 77 0.3 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.38 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002914.D

Acq: 27 Jun 2018 00:36

Instrument :

MSVOA_X

ClientSampled :

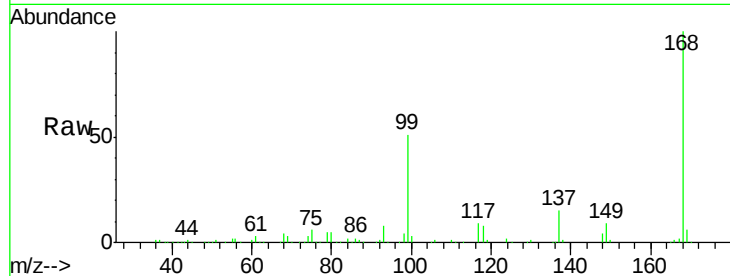
Tot Ion:117 Resp: 22806

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.0#

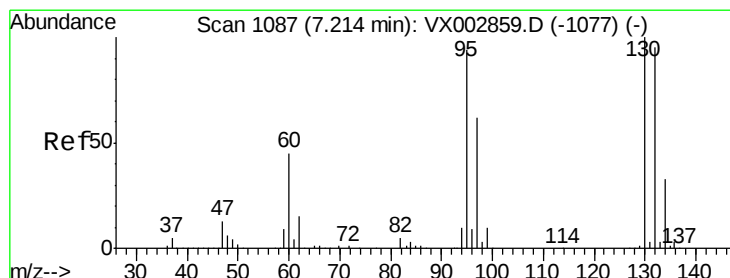
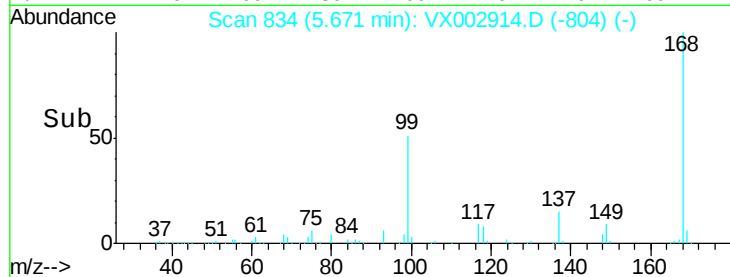
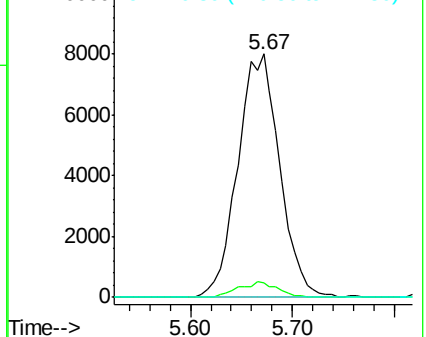
121 0.0 24.4 36.6#



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



#44

Trichloroethene

Concen: 0.55 ug/l

RT: 7.21 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX002914.D

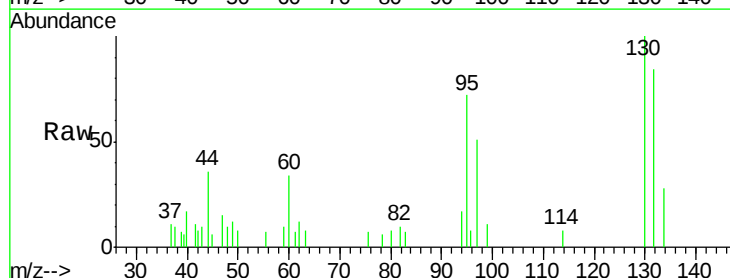
Acq: 27 Jun 2018 00:36

Tgt Ion:130 Resp: 1832

Ion Ratio Lower Upper

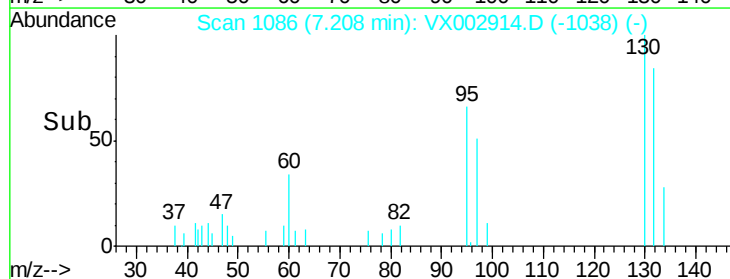
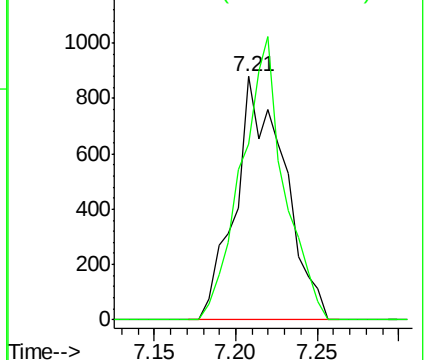
130 100

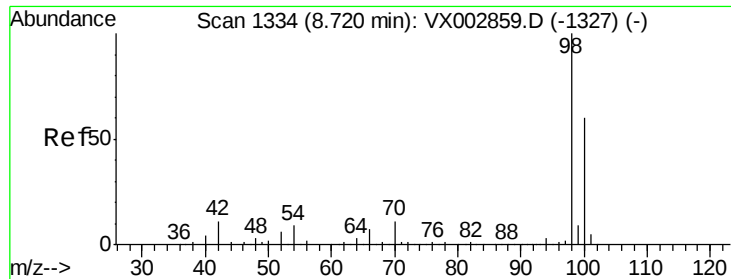
95 72.1 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

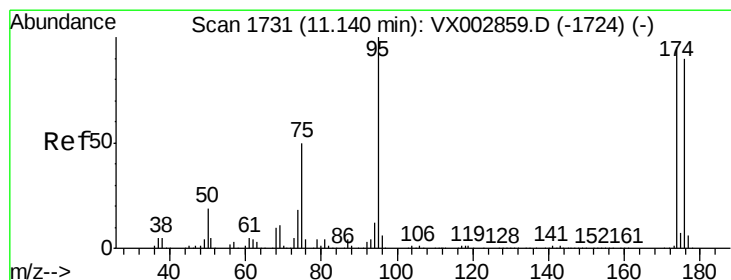
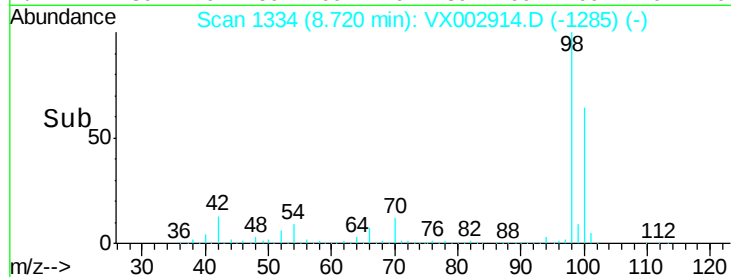
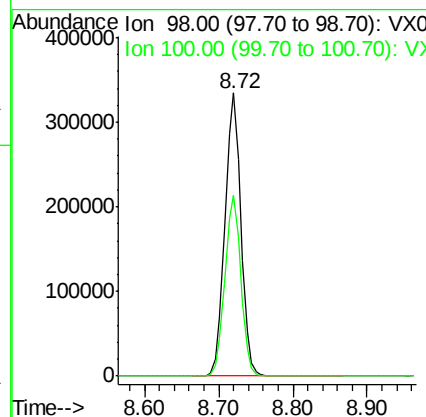
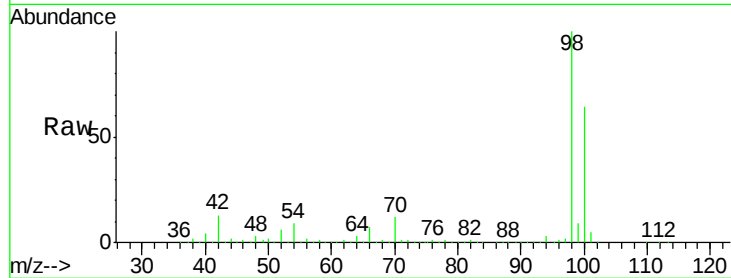




#50
Toluene-d8
Concen: 48.81 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002914.D
Acq: 27 Jun 2018 00:36

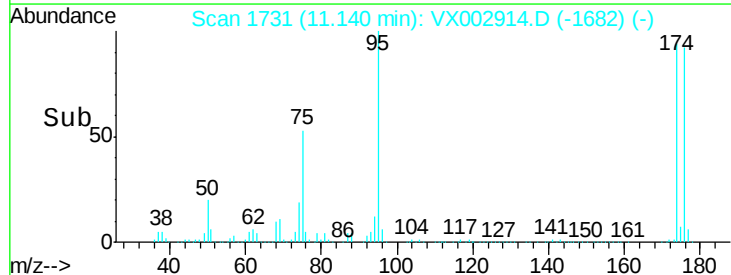
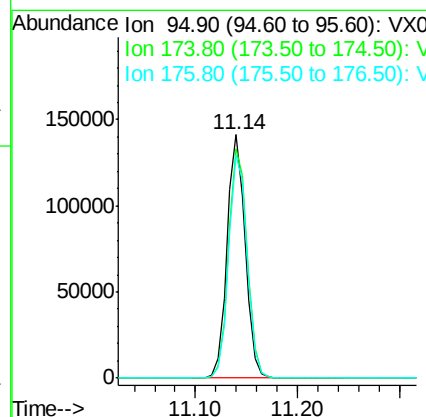
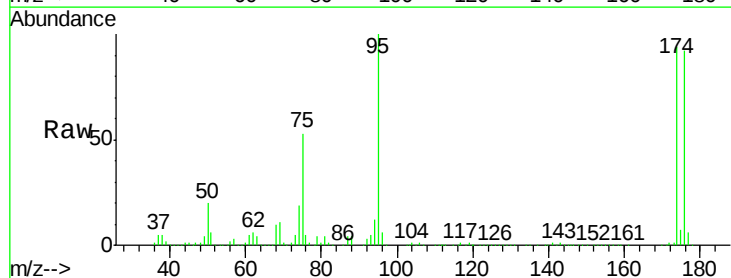
Instrument :
MSVOA_X
ClientSampleId :

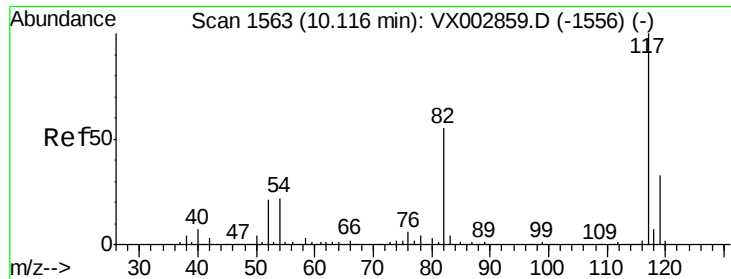
Tot Ion: 98 Resp: 497040
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.54 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002914.D
Acq: 27 Jun 2018 00:36

Tgt Ion: 95 Resp: 174897
Ion Ratio Lower Upper
95 100
174 96.7 0.0 187.4
176 93.0 0.0 181.0

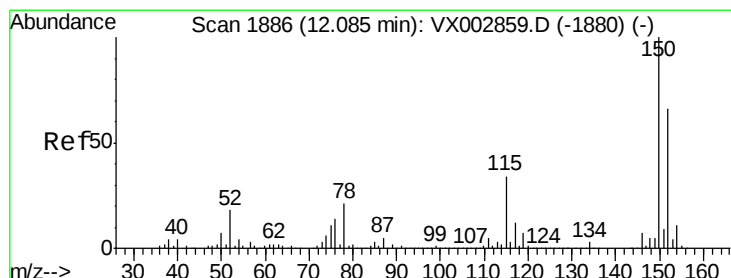
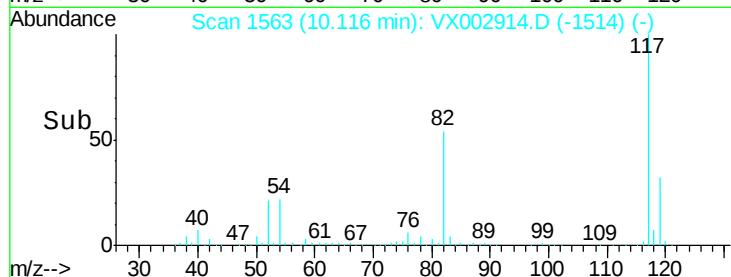
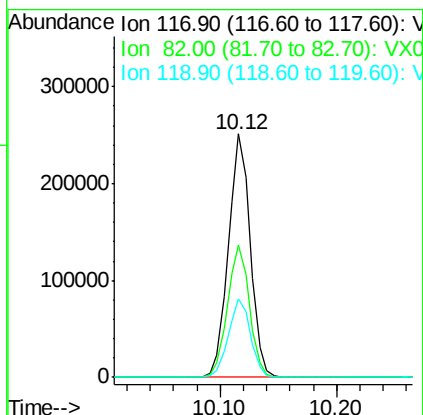
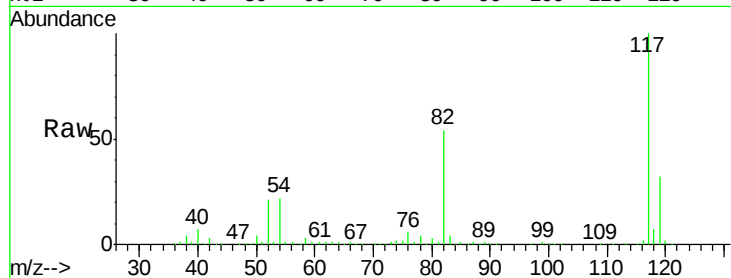




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002914.D
Acq: 27 Jun 2018 00:36

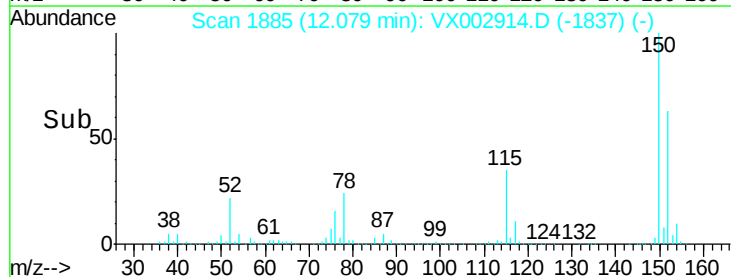
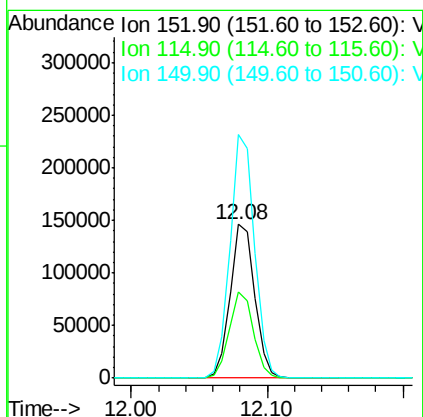
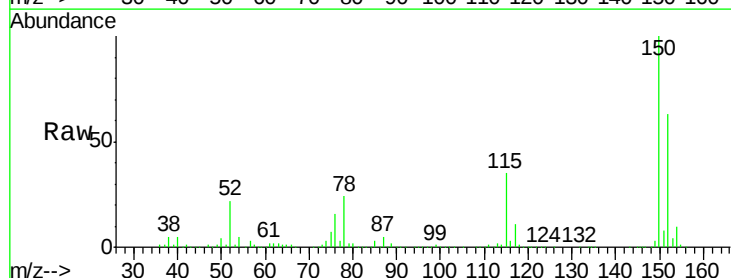
Instrument :
MSVOA_X
ClientSampleId :

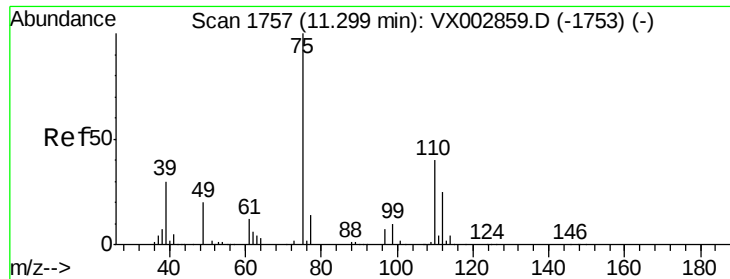
Tot Ion:117 Resp: 327973
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002914.D
Acq: 27 Jun 2018 00:36

Tgt Ion:152 Resp: 183933
Ion Ratio Lower Upper
152 100
115 55.2 40.1 120.2
150 157.9 0.0 347.2

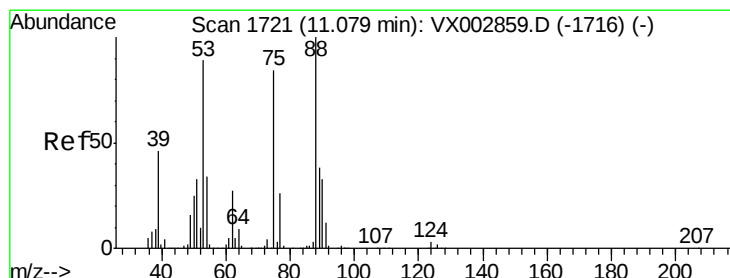
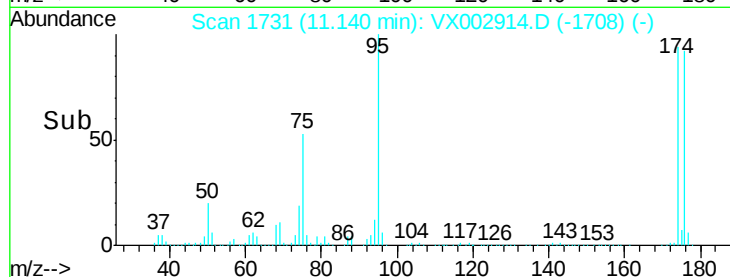
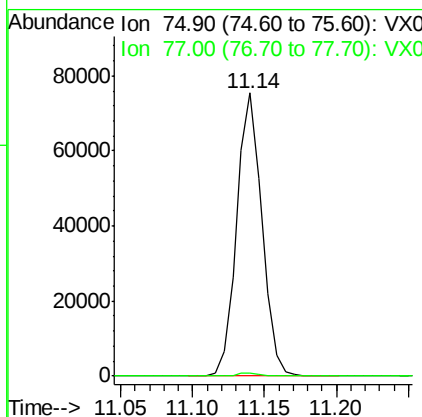
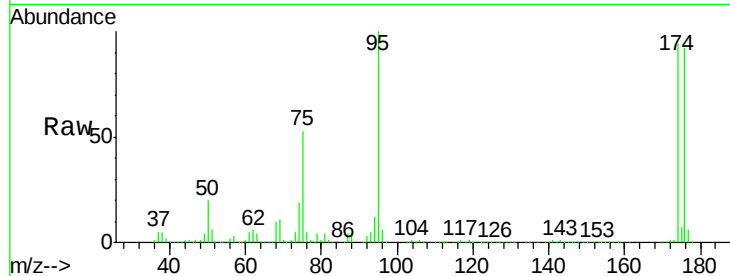




#76
 1,2,3-Trichloropropane
 Concen: 27.65 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002914.D
 Acq: 27 Jun 2018 00:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 92118
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.19 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002914.D
 Acq: 27 Jun 2018 00:36

Tgt Ion: 75 Resp: 92118
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

