

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002875.D
 Acq On : 25 Jun 2018 22:35
 Operator : JC/MD
 Sample : J3693-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 05:27:47 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	242988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	340605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	319309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	179386	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	165524	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.56%		
35) Dibromofluoromethane	5.51	113	131115	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.22%		
50) Toluene-d8	8.72	98	483212	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.12%		
62) 4-Bromofluorobenzene	11.14	95	172227	45.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.68%		

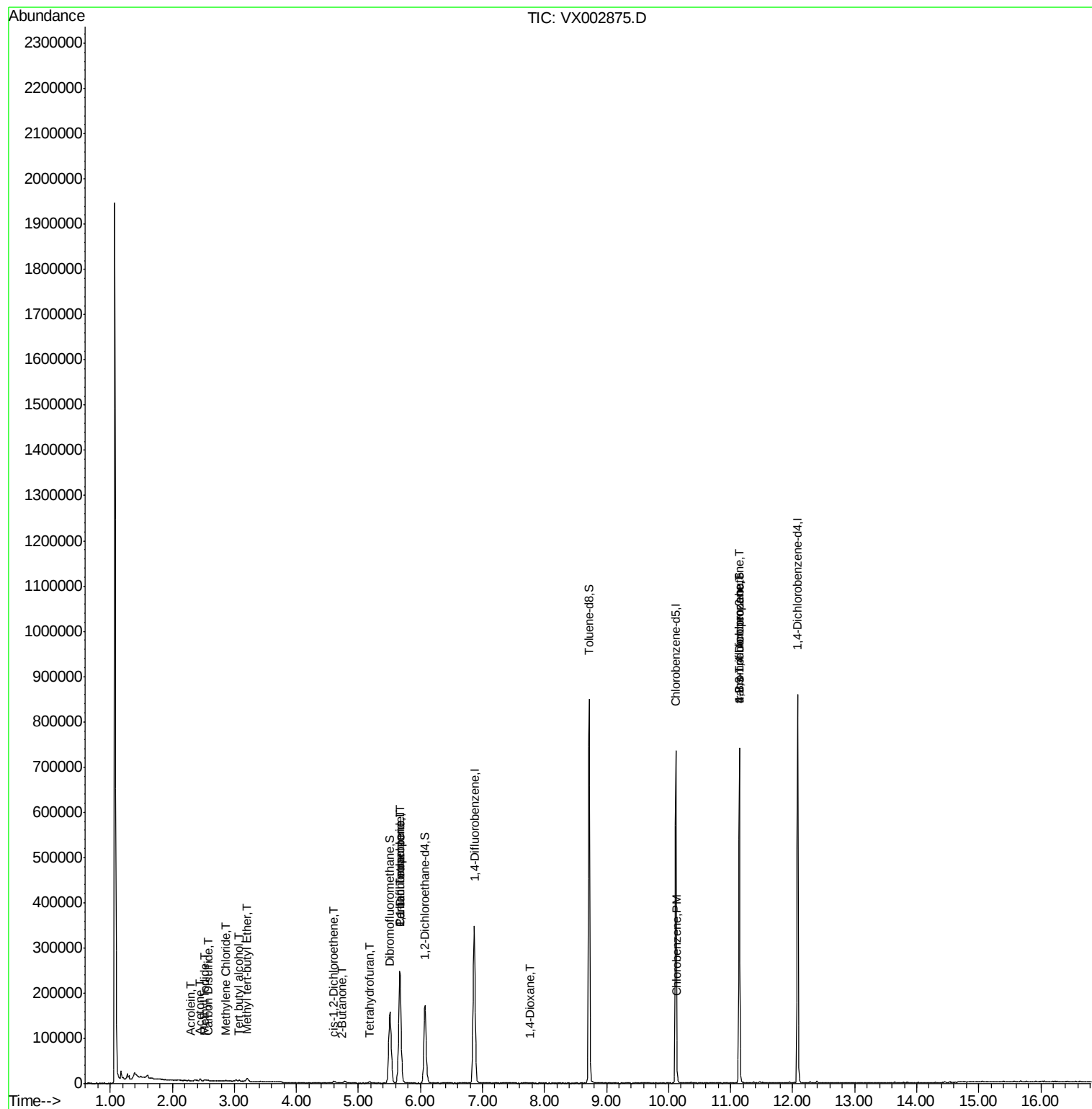
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	76	Below Cal	#	43
3) Chloromethane	1.32	50	647	Below Cal	#	76
5) Bromomethane	1.66	94	2113	Below Cal		86
6) Chloroethane	1.69	64	497	Below Cal	#	76
10) Methyl Iodide	2.53	142	2000	6.87	ug/l	98
11) Tert butyl alcohol	3.07	59	3039	4.54	ug/l #	68
13) Acrolein	2.29	56	191	4.74	ug/l #	36
16) Acetone	2.45	43	4765	3.43	ug/l	100
17) Carbon Disulfide	2.57	76	2646	0.41	ug/l #	85
19) Methyl tert-butyl Ether	3.21	73	7870	0.91	ug/l	95
20) Methylene Chloride	2.86	84	559	0.21	ug/l #	69
25) 2-Butanone	4.72	43	1288	0.62	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	1136	0.39	ug/l #	1
29) Tetrahydrofuran	5.18	42	2471	1.87	ug/l	91
36) 1,1-Dichloropropene	5.67	75	17139	4.59	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22716	5.54	ug/l #	16
49) 1,4-Dioxane	7.77	88	170	2.51	ug/l #	43
65) Chlorobenzene	10.14	112	2292	0.28	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	89570	27.57	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	89570	77.96	ug/l #	7

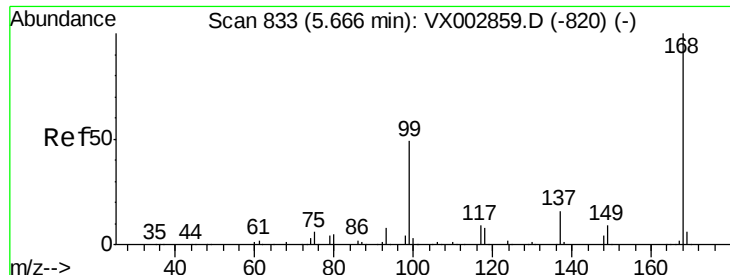
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062518\
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Acq On : 25 Jun 2018 22:35
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

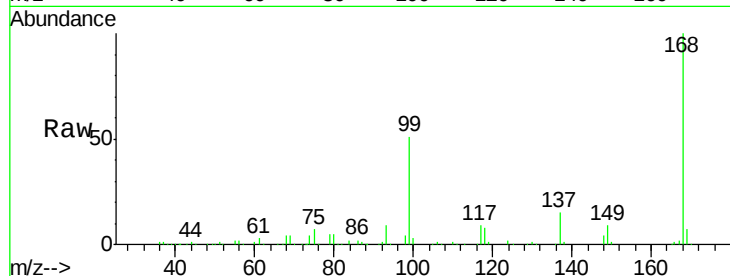
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 242988

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

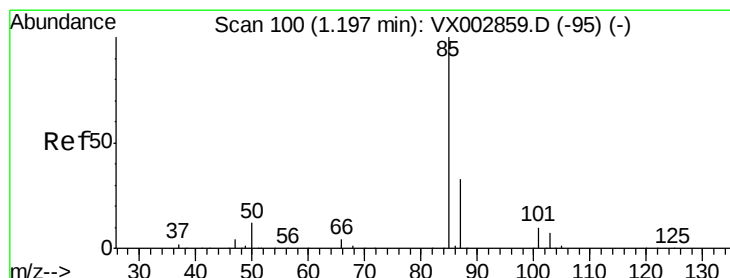
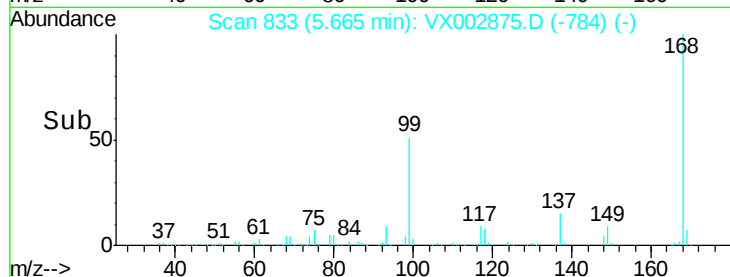
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002875.D

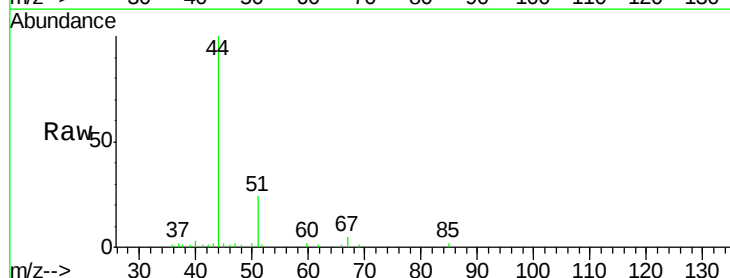
Acq: 25 Jun 2018 22:35

Tgt Ion: 85 Resp: 76

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

150

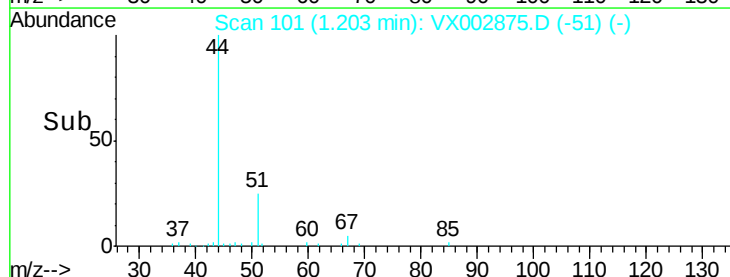
100

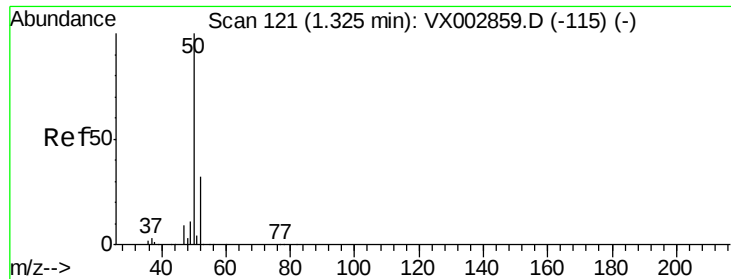
50

0

1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

Instrument :

MSVOA_X

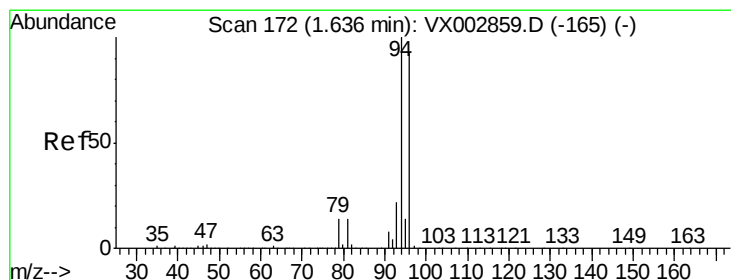
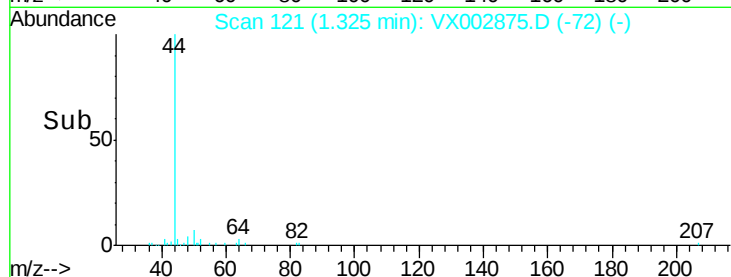
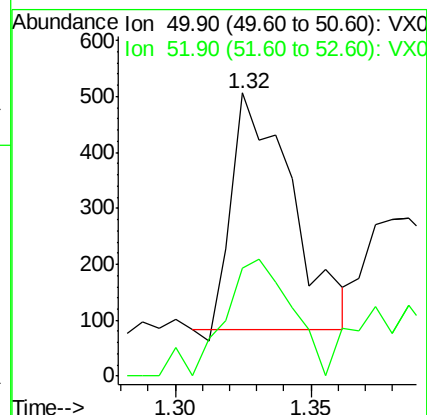
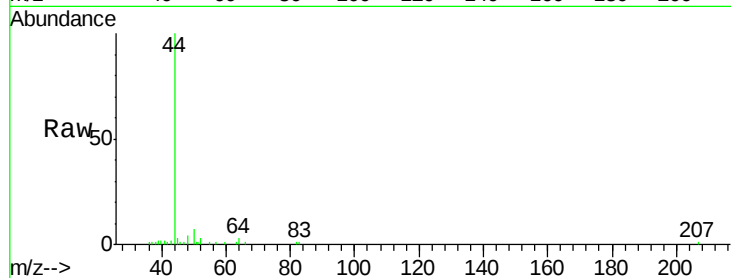
ClientSampleId :

Tot Ion: 50 Resp: 647

Ion Ratio Lower Upper

50 100

52 45.6 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002875.D

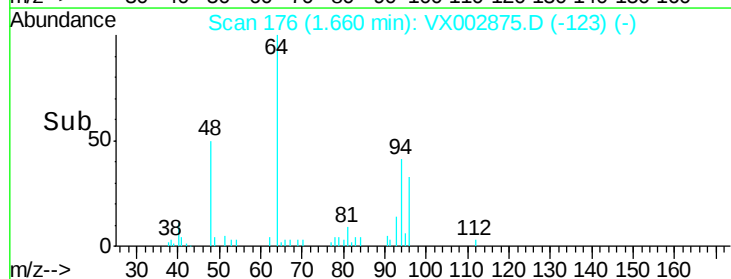
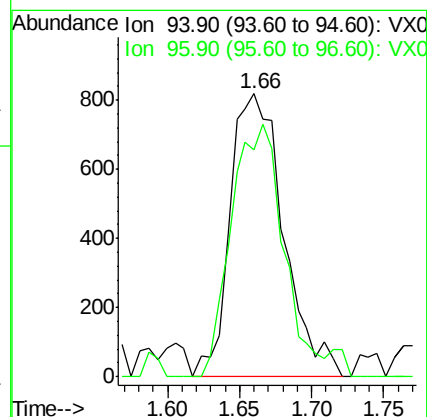
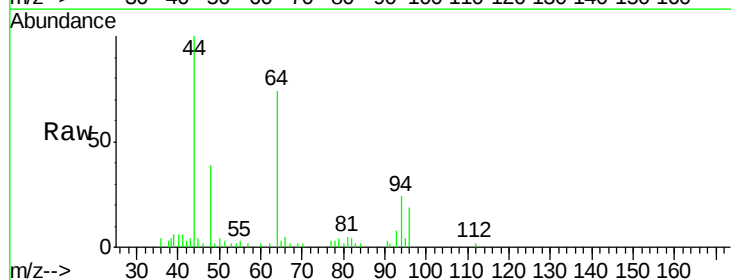
Acq: 25 Jun 2018 22:35

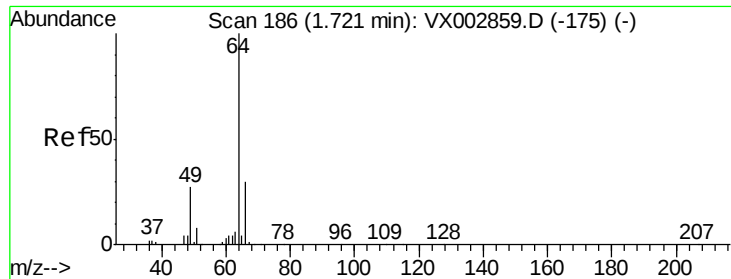
Tgt Ion: 94 Resp: 2113

Ion Ratio Lower Upper

94 100

96 80.1 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 181

Delta R.T. -0.03 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

Instrument :

MSVOA_X

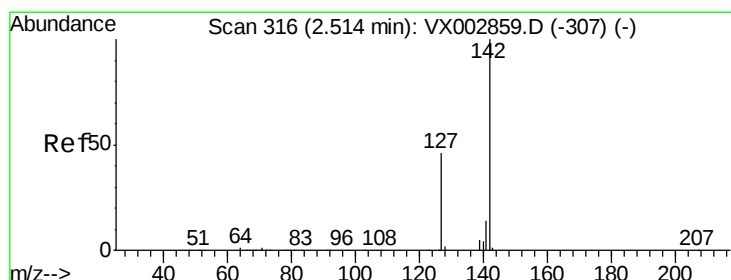
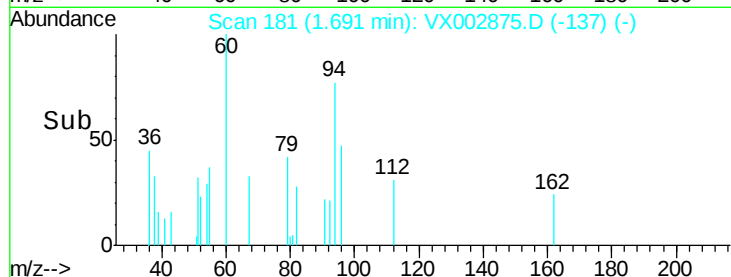
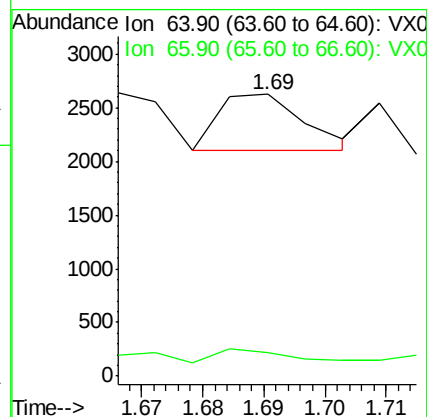
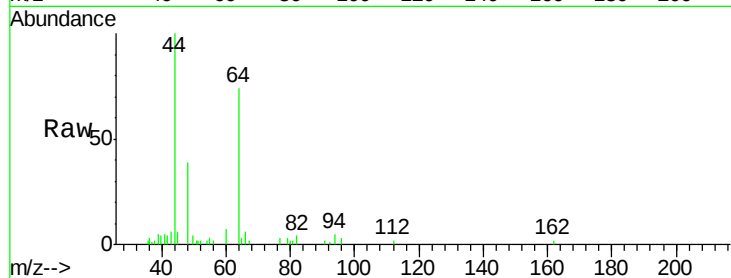
ClientSampleId :

Tot Ion: 64 Resp: 497

Ion Ratio Lower Upper

64 100

66 18.5 25.5 38.3#



#10

Methyl Iodide

Concen: 6.87 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

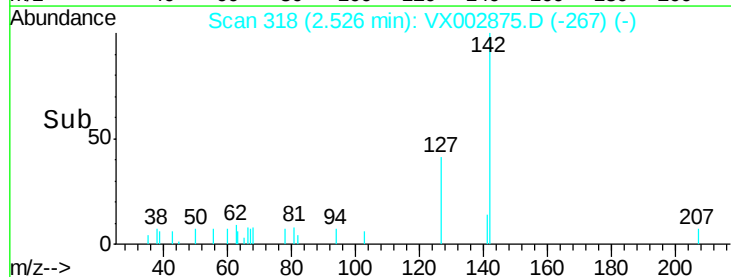
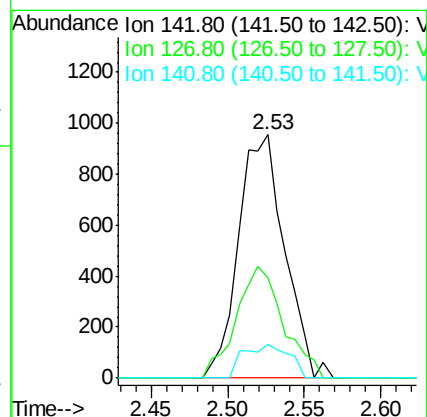
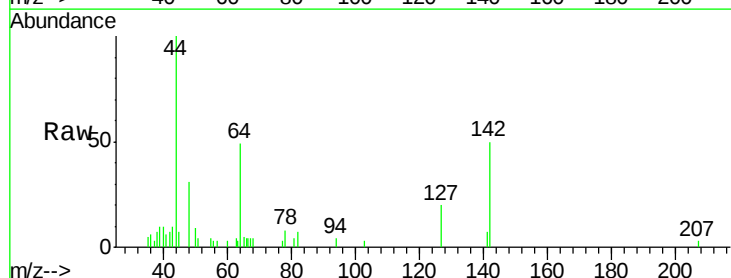
Tgt Ion: 142 Resp: 2000

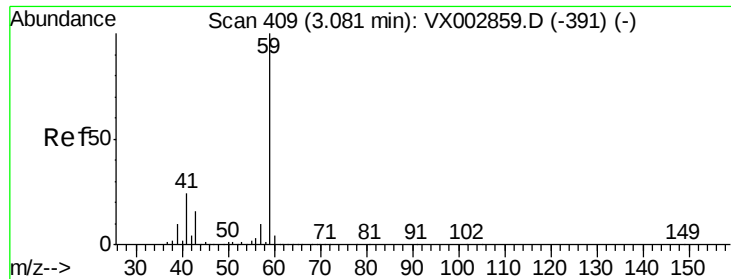
Ion Ratio Lower Upper

142 100

127 46.9 36.6 55.0

141 13.6 11.3 16.9



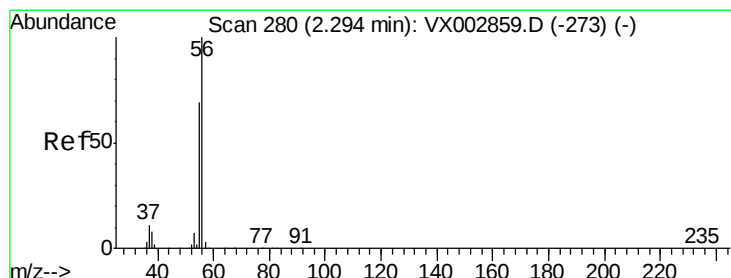
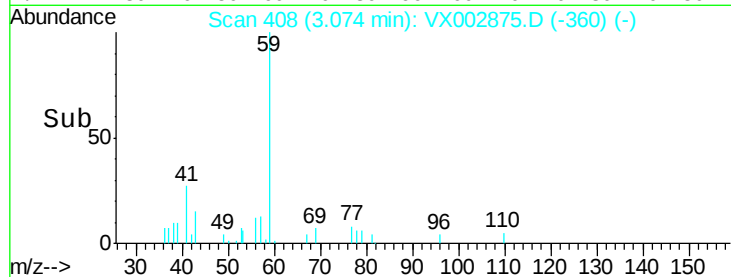
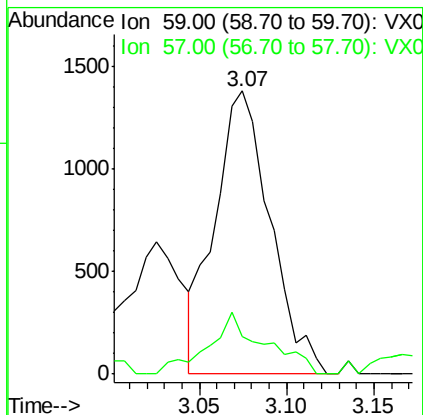
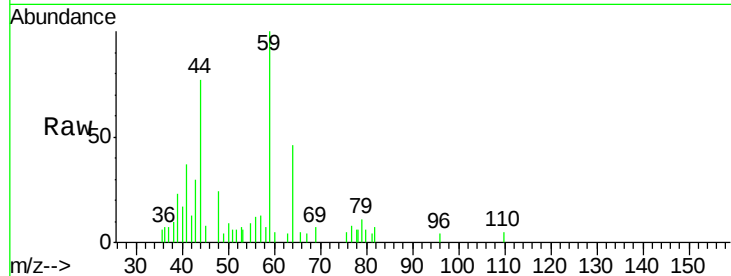


#11

Tert butyl alcohol
 Concen: 4.54 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

Instrument :
 MSVOA_X
 ClientSampled :

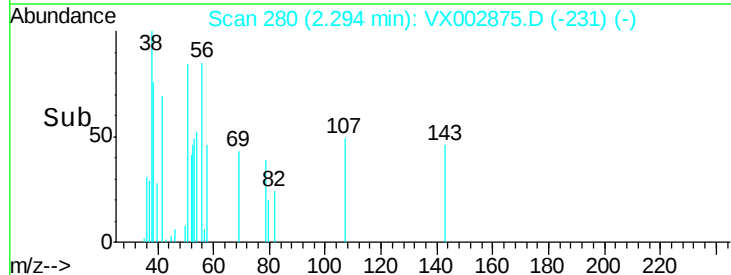
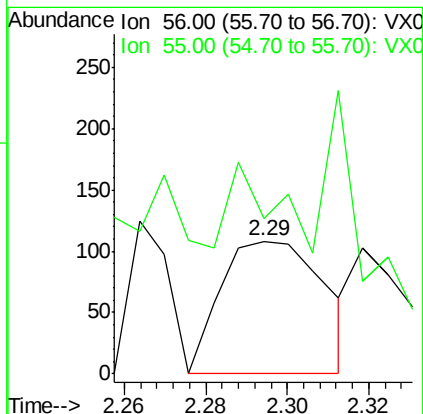
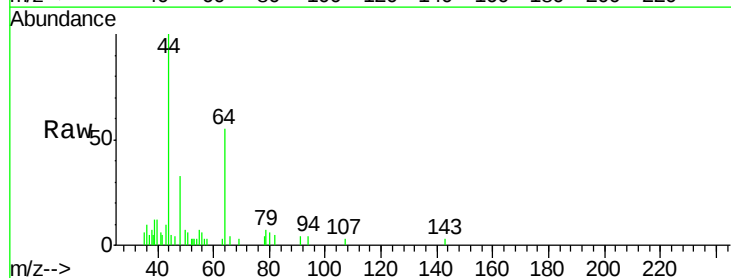
Tot Ion: 59 Resp: 3039
 Ion Ratio Lower Upper
 59 100
 57 22.2 8.2 12.2#

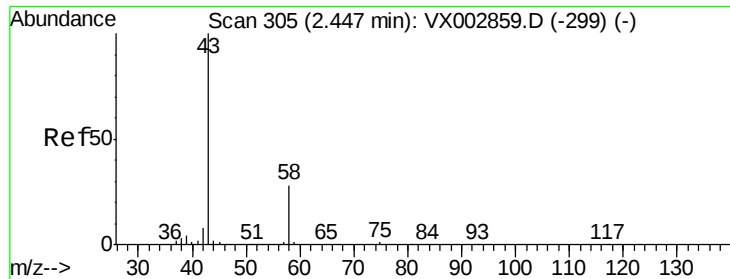


#13

Acrolein
 Concen: 4.74 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

Tgt Ion: 56 Resp: 191
 Ion Ratio Lower Upper
 56 100
 55 17.8 57.0 85.4#





#16

Acetone

Concen: 3.43 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

Instrument :

MSVOA_X

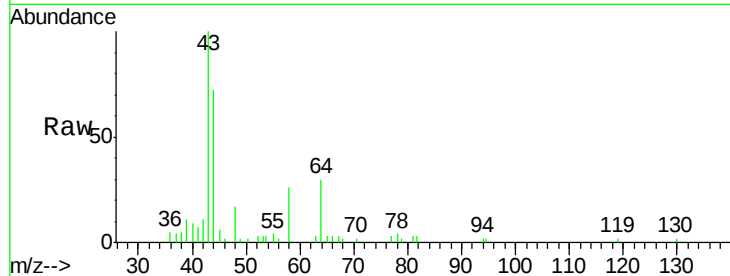
ClientSampleId :

Tot Ion: 43 Resp: 4765

Ion Ratio Lower Upper

43 100

58 27.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

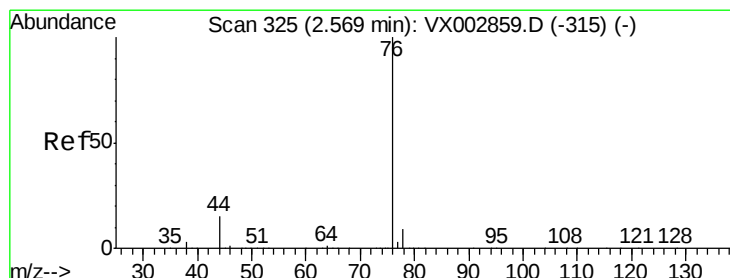
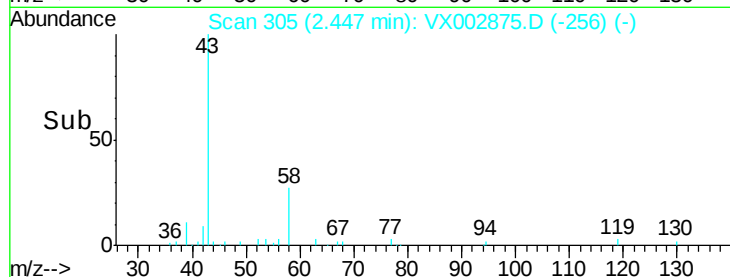
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.41 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002875.D

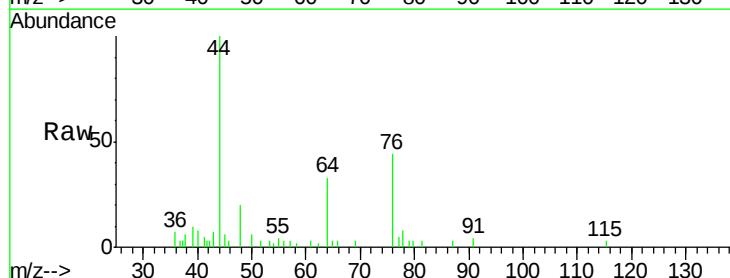
Acq: 25 Jun 2018 22:35

Tgt Ion: 76 Resp: 2646

Ion Ratio Lower Upper

76 100

78 3.4 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1200

1000

800

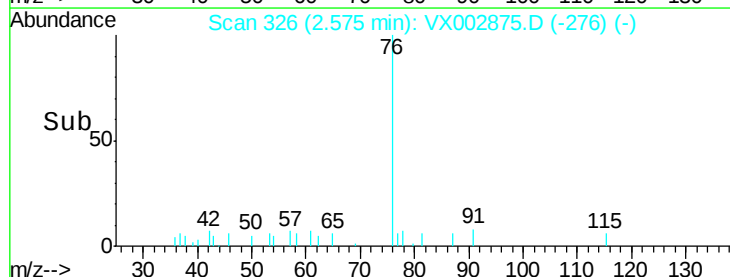
600

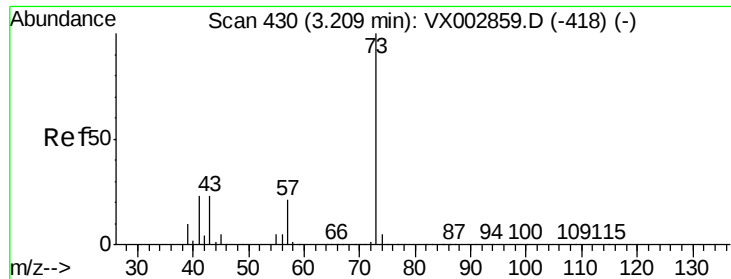
400

200

0

Time--> 2.50 2.55 2.60 2.65



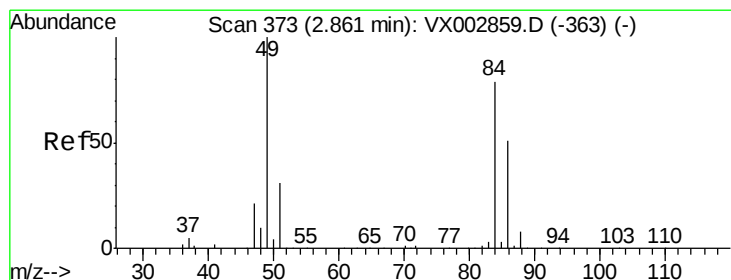
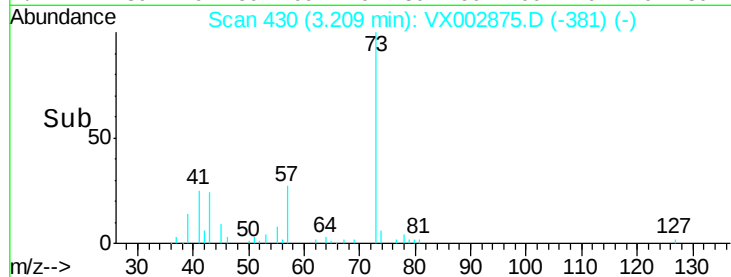
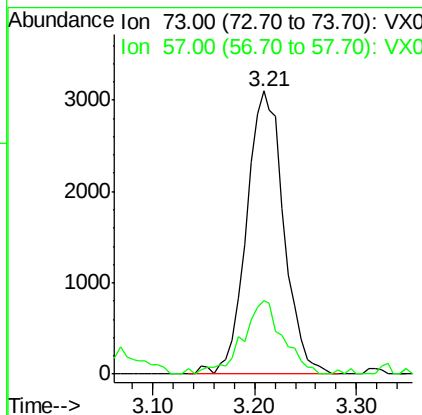
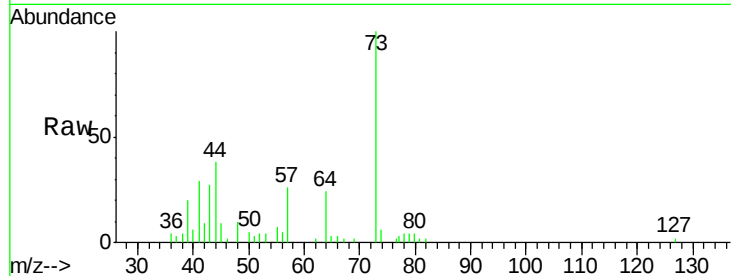


#19

Methyl tert-butyl Ether
 Concen: 0.91 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

Instrument :
 MSVOA_X
 ClientSampleId :

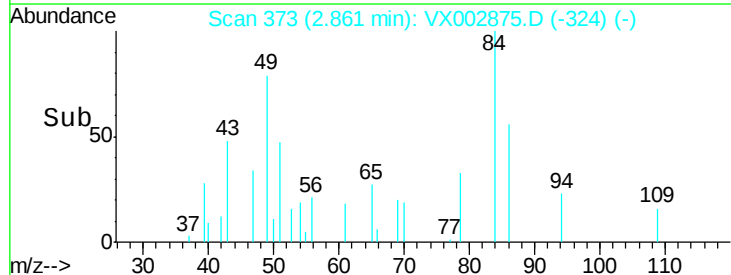
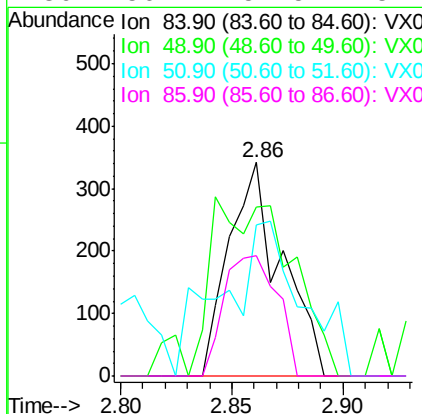
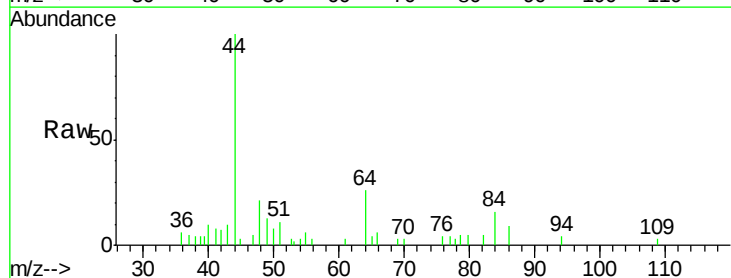
Tot Ion: 73 Resp: 7870
 Ion Ratio Lower Upper
 73 100
 57 24.4 17.7 26.5

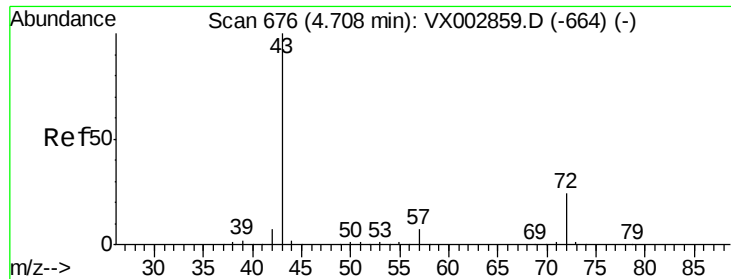


#20

Methylene Chloride
 Concen: 0.21 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

Tgt Ion: 84 Resp: 559
 Ion Ratio Lower Upper
 84 100
 49 79.2 107.8 161.6#
 51 36.0 32.8 49.2
 86 56.1 52.5 78.7





#25

2-Butanone

Concen: 0.62 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

Instrument :

MSVOA_X

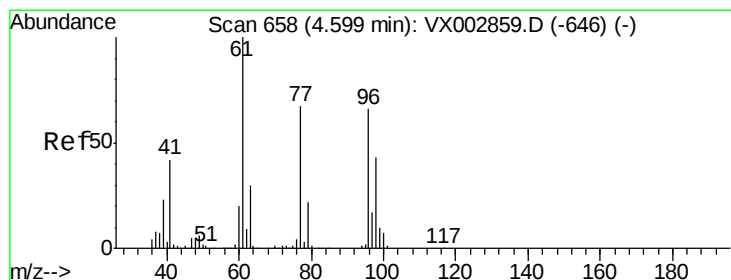
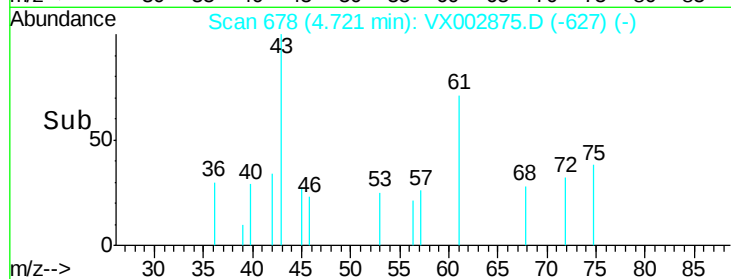
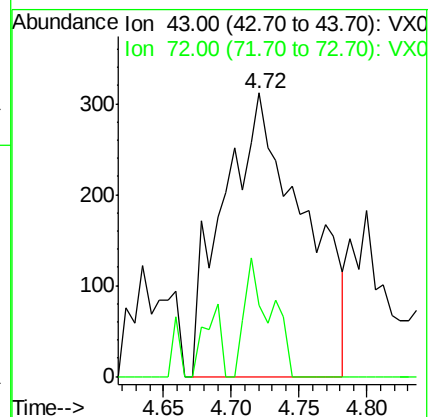
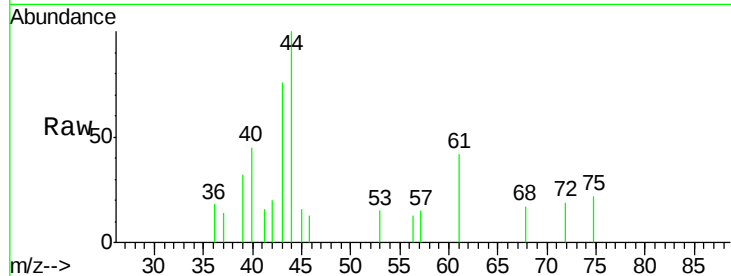
ClientSampled :

Tot Ion: 43 Resp: 1288

Ion Ratio Lower Upper

43 100

72 25.0 18.5 27.7



#27

cis-1,2-Dichloroethene

Concen: 0.39 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

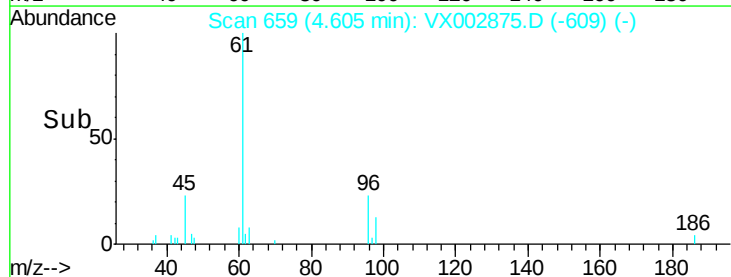
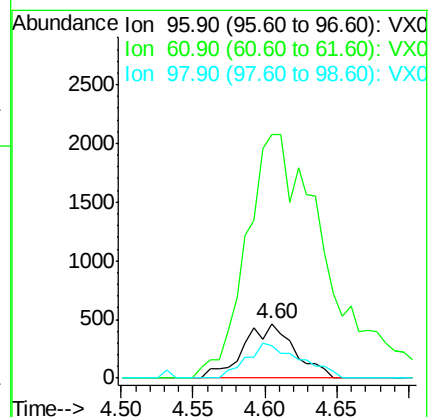
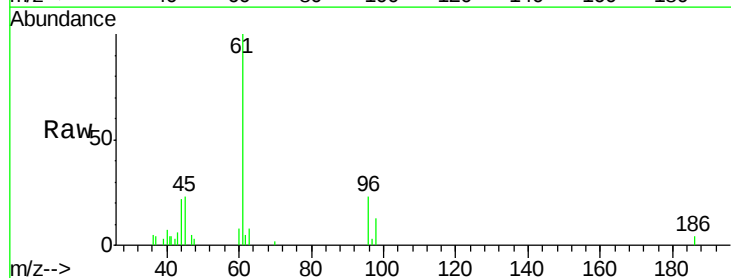
Tgt Ion: 96 Resp: 1136

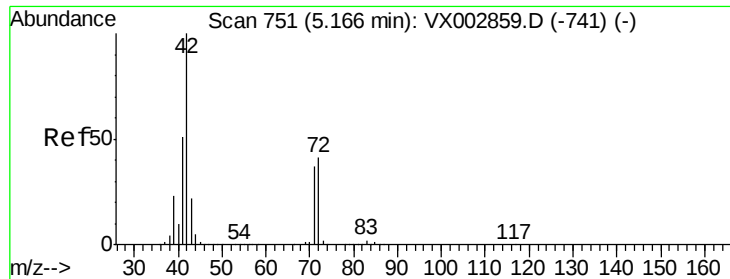
Ion Ratio Lower Upper

96 100

61 721.7 0.0 330.2#

98 66.6 0.0 130.2





#29

Tetrahydrofuran

Concen: 1.87 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

Instrument :

MSVOA_X

ClientSampled :

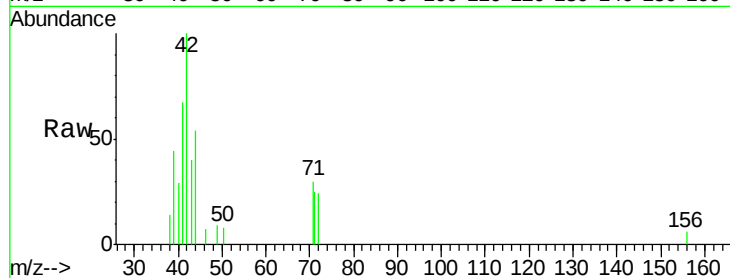
Tot Ion: 42 Resp: 2471

Ion Ratio Lower Upper

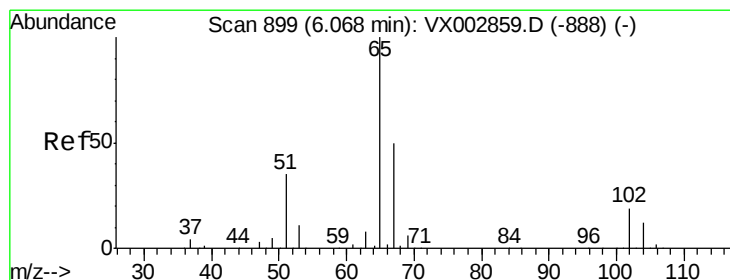
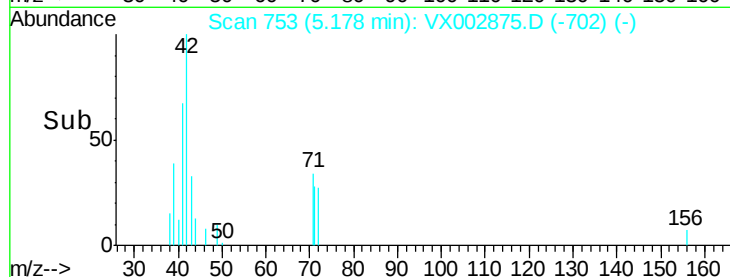
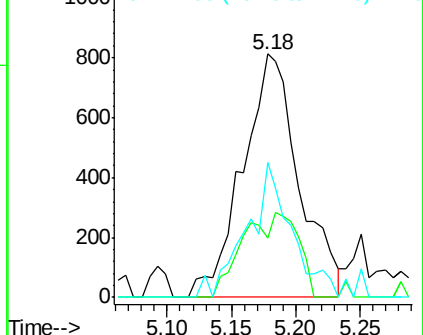
42 100

72 34.5 32.0 48.0

71 43.7 30.1 45.1



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: 49.28 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002875.D

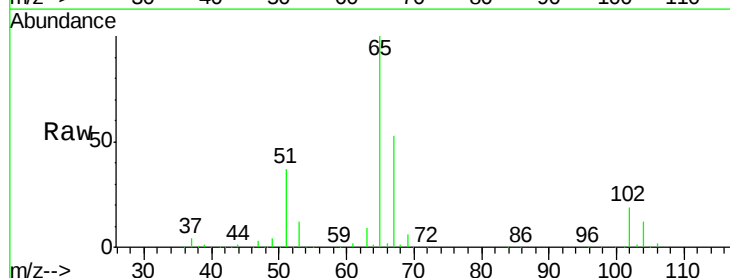
Acq: 25 Jun 2018 22:35

Tgt Ion: 65 Resp: 165524

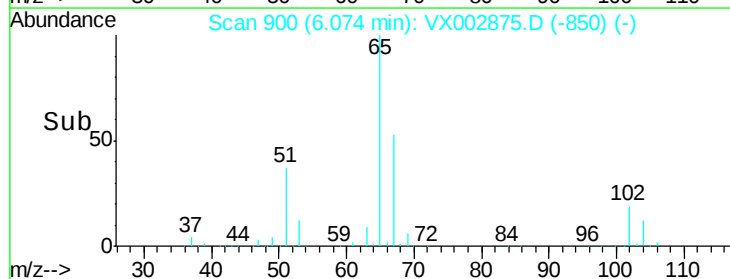
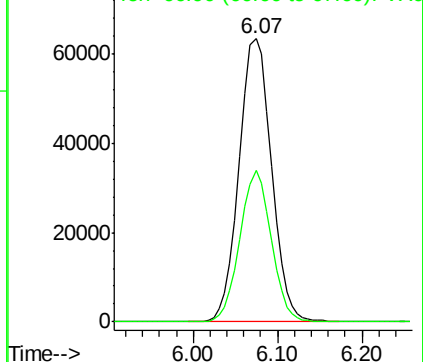
Ion Ratio Lower Upper

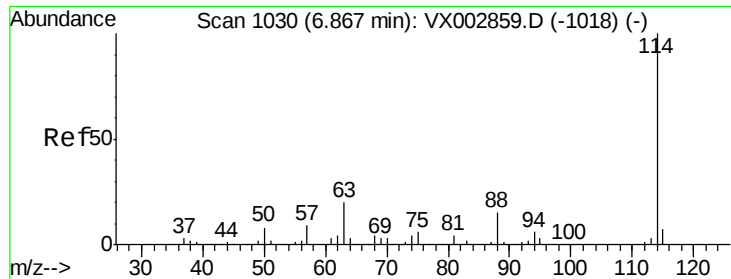
65 100

67 51.5 0.0 102.6



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

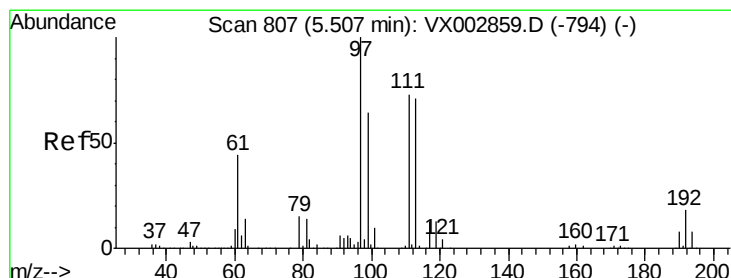
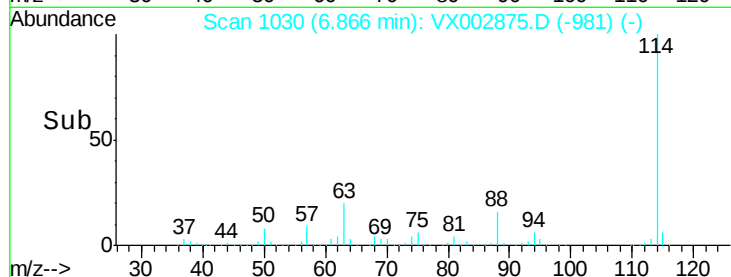
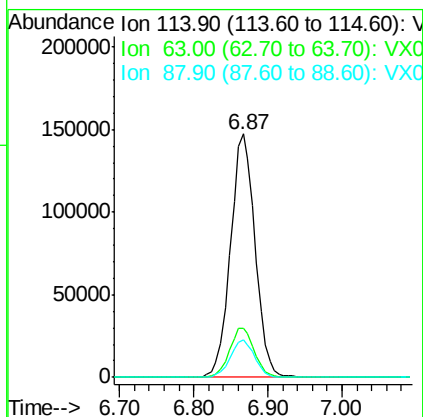
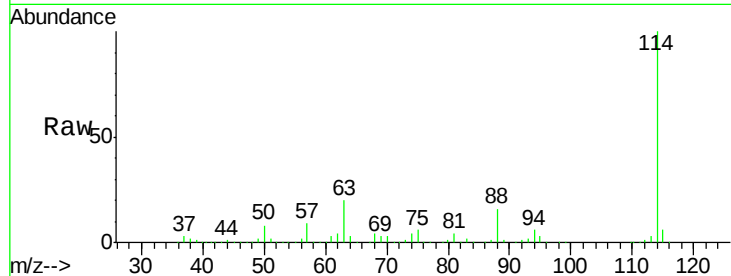




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

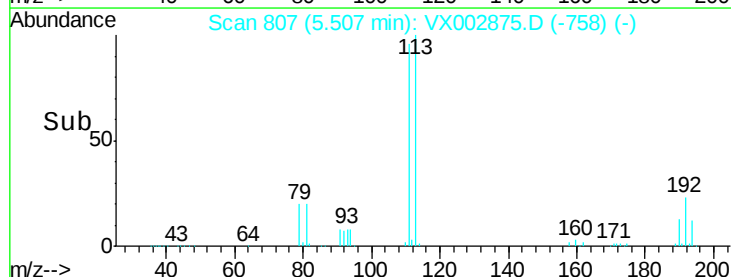
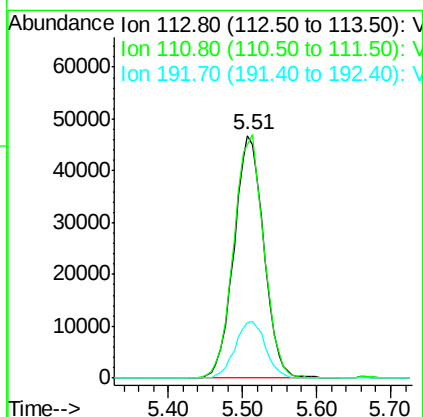
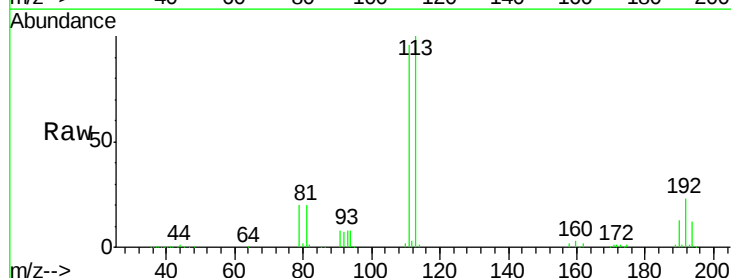
Instrument :
 MSVOA_X
 ClientSampleId :

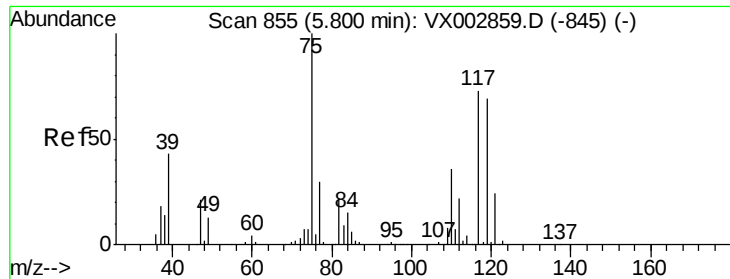
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.4
88	15.6	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 48.61 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.0
192	24.1	19.1	28.7

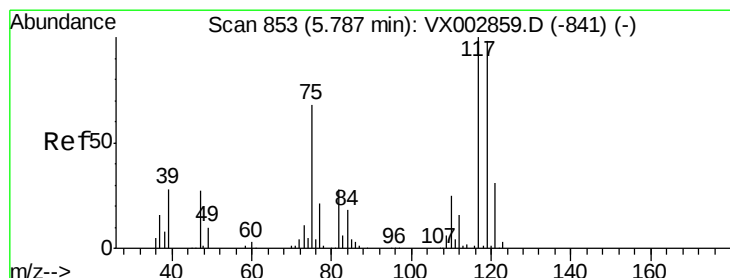
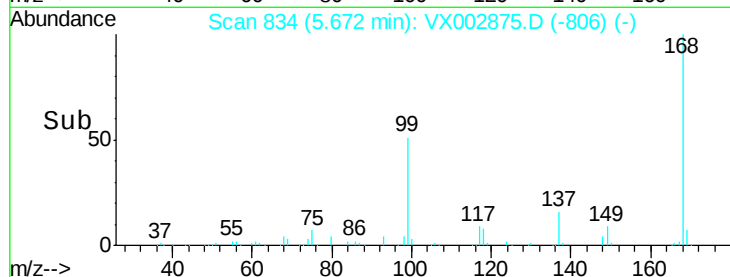
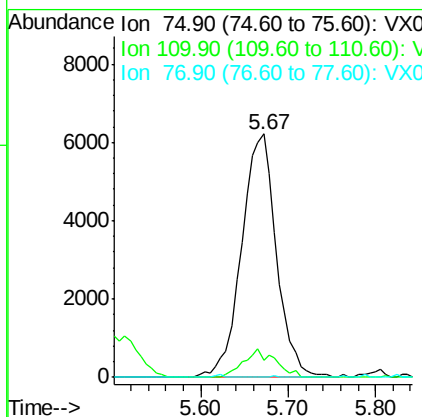
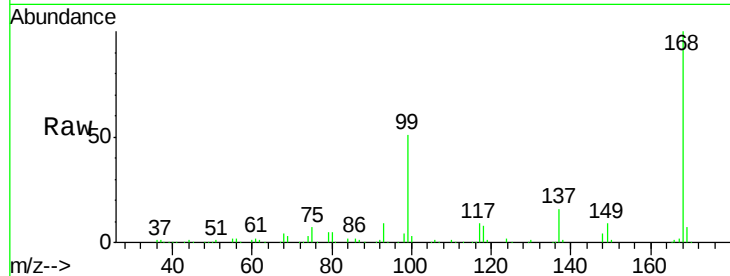




#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

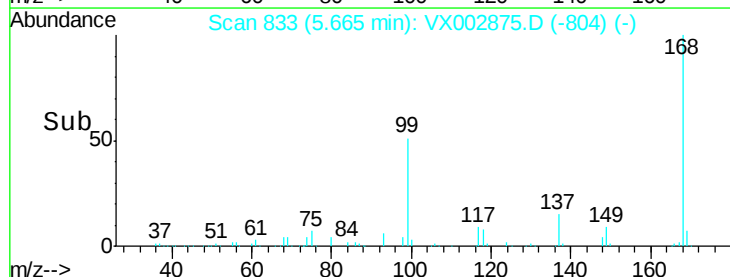
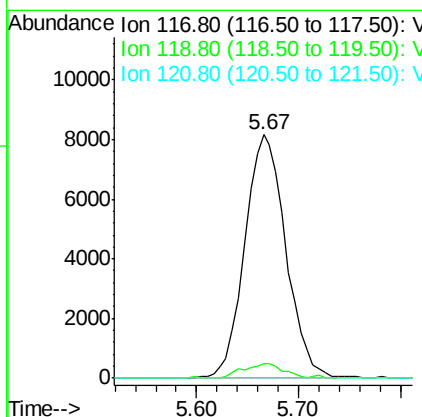
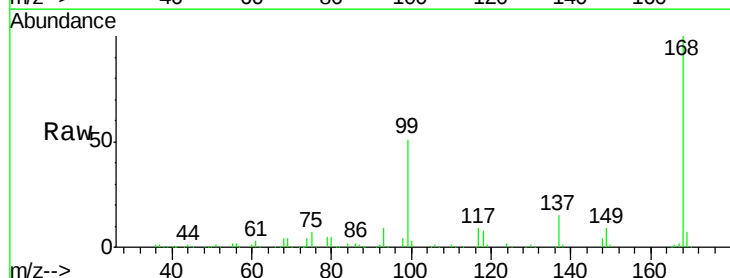
Instrument :
 MSVOA_X
 ClientSampleId :

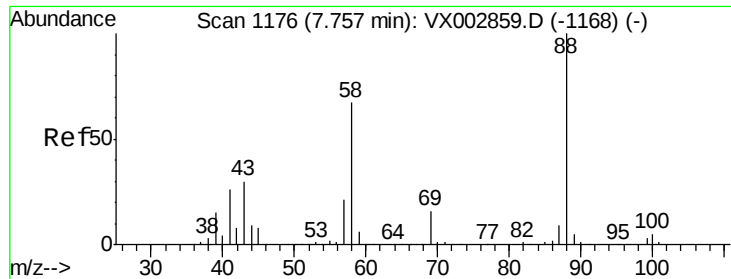
Tot Ion: 75 Resp: 17139
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.1 54.4#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.54 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

Tgt Ion: 117 Resp: 22716
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.4 116.0#
 121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 2.51 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. 0.02 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

Instrument :

MSVOA_X

ClientSampled :

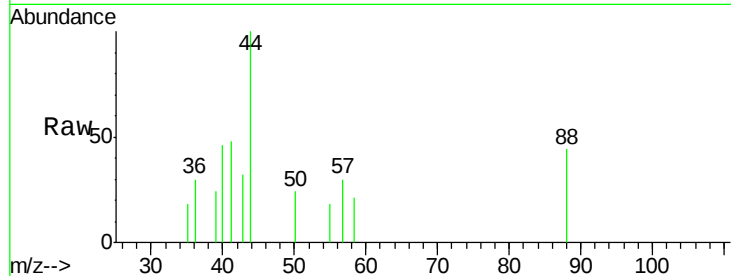
Tot Ion: 88 Resp: 170

Ion Ratio Lower Upper

88 100

43 102.4 29.8 44.6#

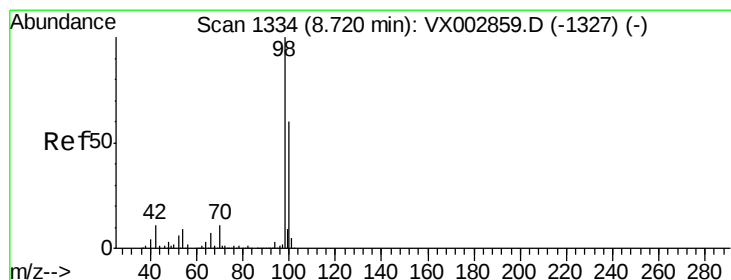
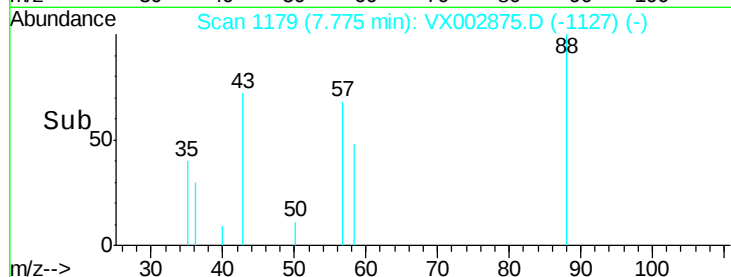
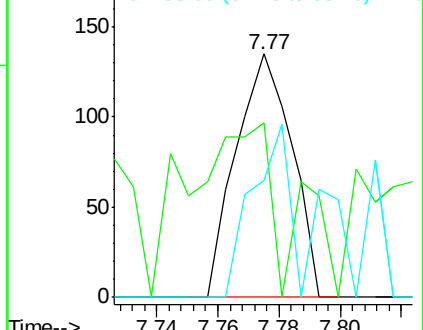
58 47.1 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.06 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002875.D

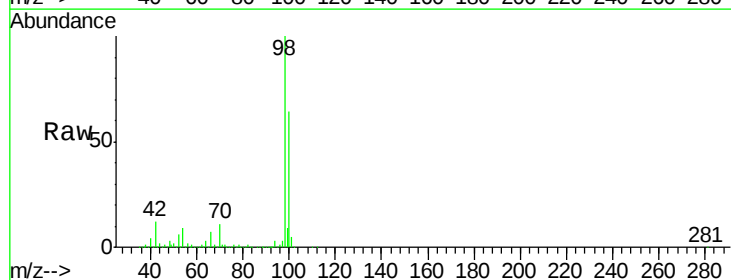
Acq: 25 Jun 2018 22:35

Tgt Ion: 98 Resp: 483212

Ion Ratio Lower Upper

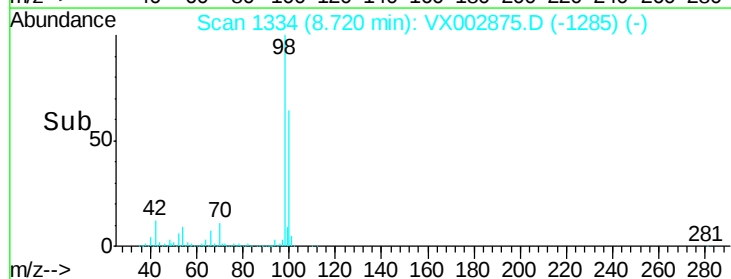
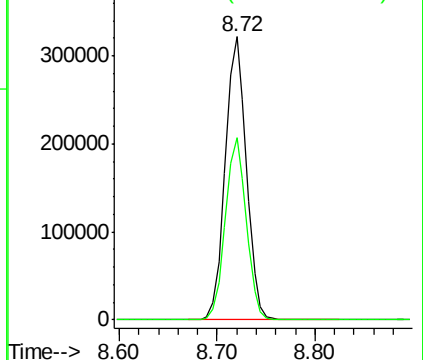
98 100

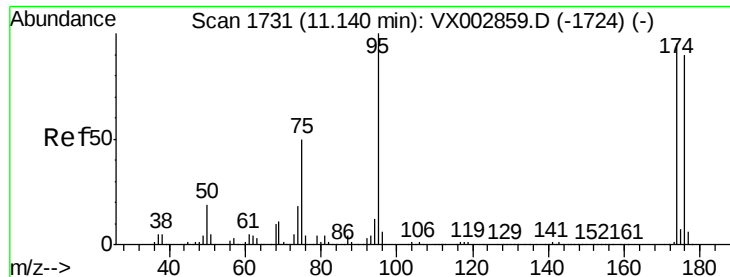
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

Instrument :

MSVOA_X

ClientSampleId :

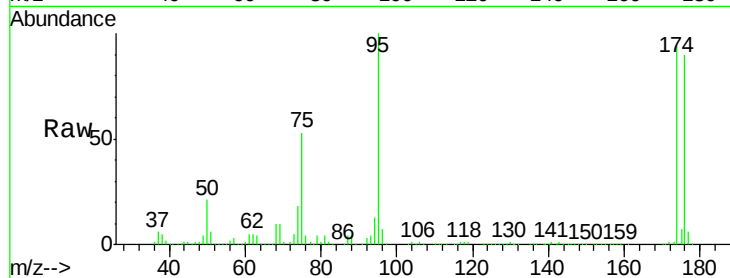
Tot Ion: 95 Resp: 172227

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

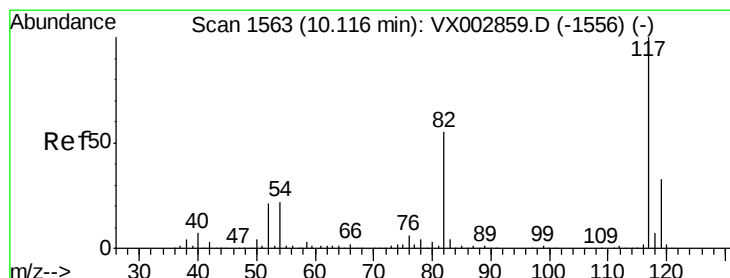
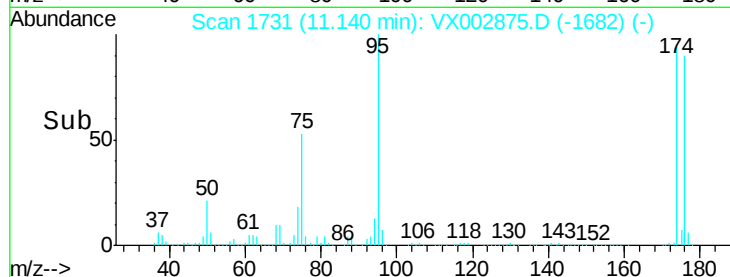
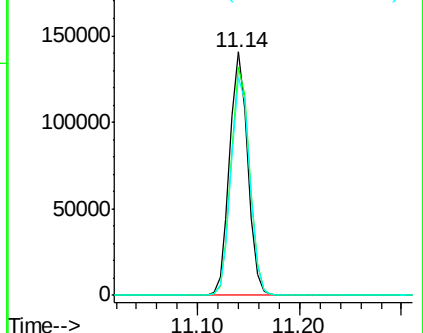
176 92.4 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

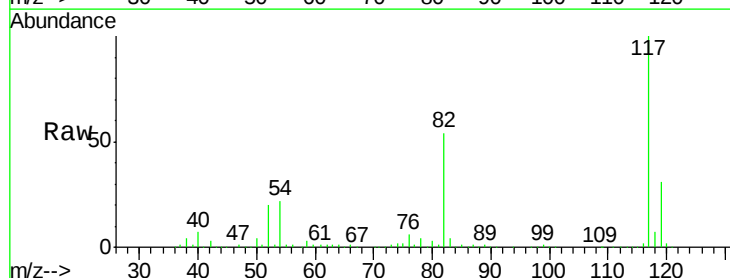
Tgt Ion: 117 Resp: 319309

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.4

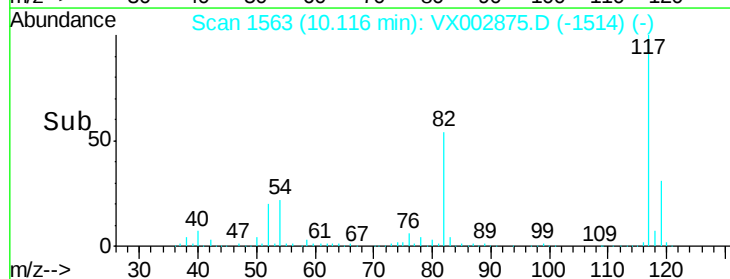
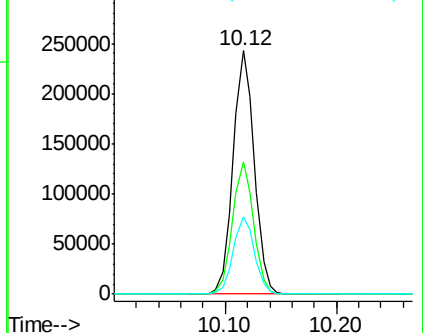
119 31.5 25.8 38.6

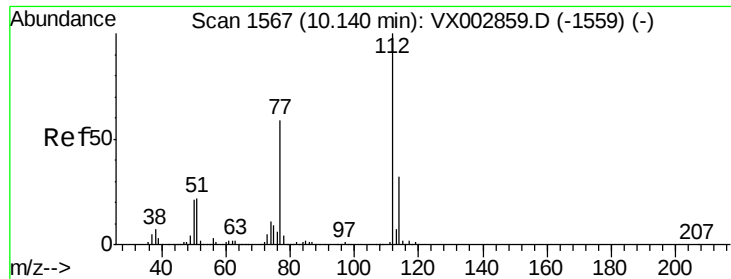


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)





#65

Chlorobenzene

Concen: 0.28 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

Instrument :

MSVOA_X

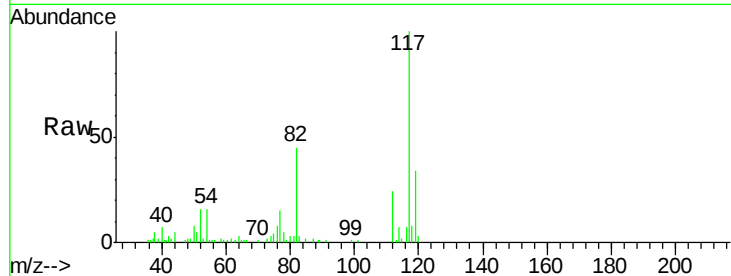
ClientSampleId :

Tot Ion:112 Resp: 2292

Ion Ratio Lower Upper

112 100

114 30.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

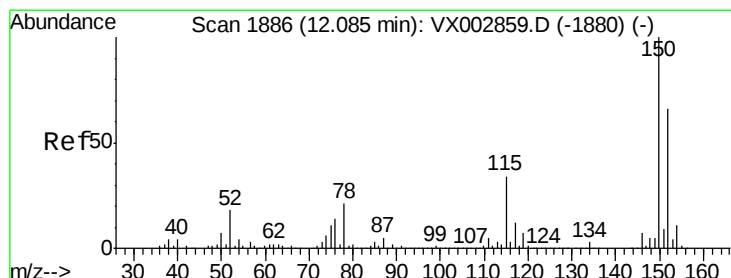
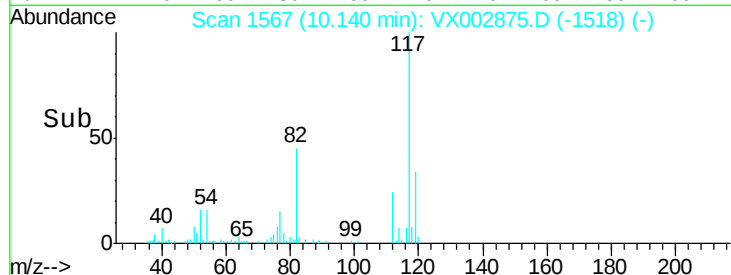
1500

1000

500

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002875.D

Acq: 25 Jun 2018 22:35

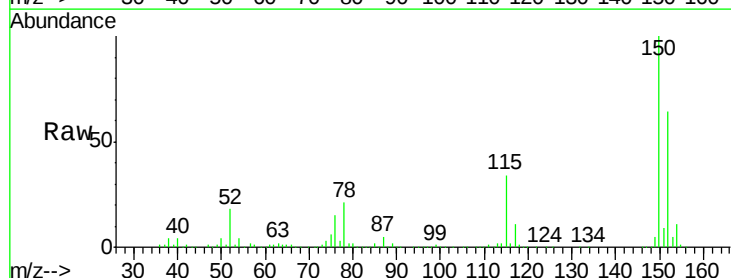
Tgt Ion:152 Resp: 179386

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

150 157.1 0.0 347.2



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

12.09

300000

250000

200000

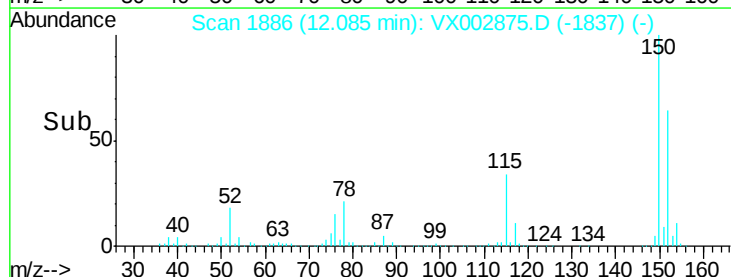
150000

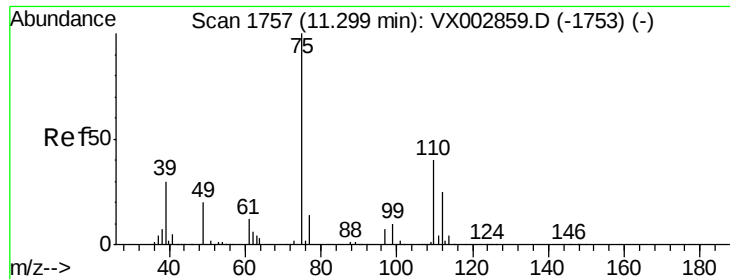
100000

50000

0

Time-->

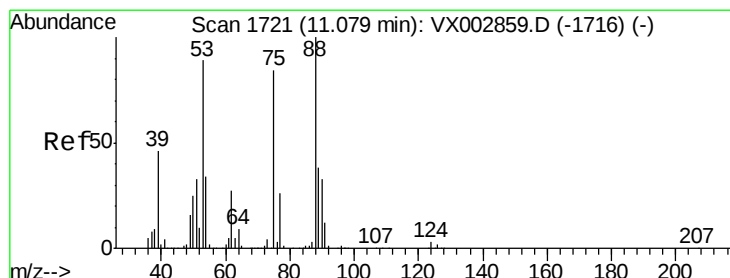
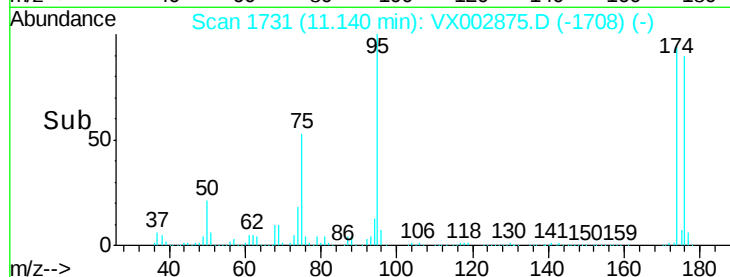
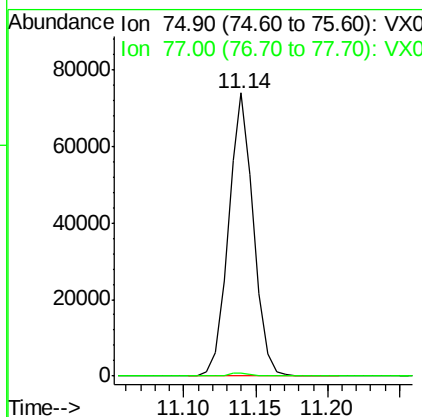
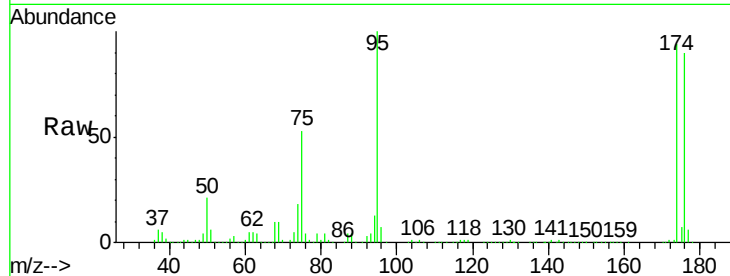




#76
 1,2,3-Trichloropropane
 Concen: 27.57 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 89570
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.96 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002875.D
 Acq: 25 Jun 2018 22:35

Tgt Ion: 75 Resp: 89570
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

