

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003196.D
 Acq On : 06 Jul 2018 02:47
 Operator : JC/MD
 Sample : J3844-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 03:29:36 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	270459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	374768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192241	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	170641	45.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.30%		
35) Dibromofluoromethane	5.51	113	145022	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.72%		
50) Toluene-d8	8.72	98	519485	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.86%		
62) 4-Bromofluorobenzene	11.14	95	180859	43.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.54%		

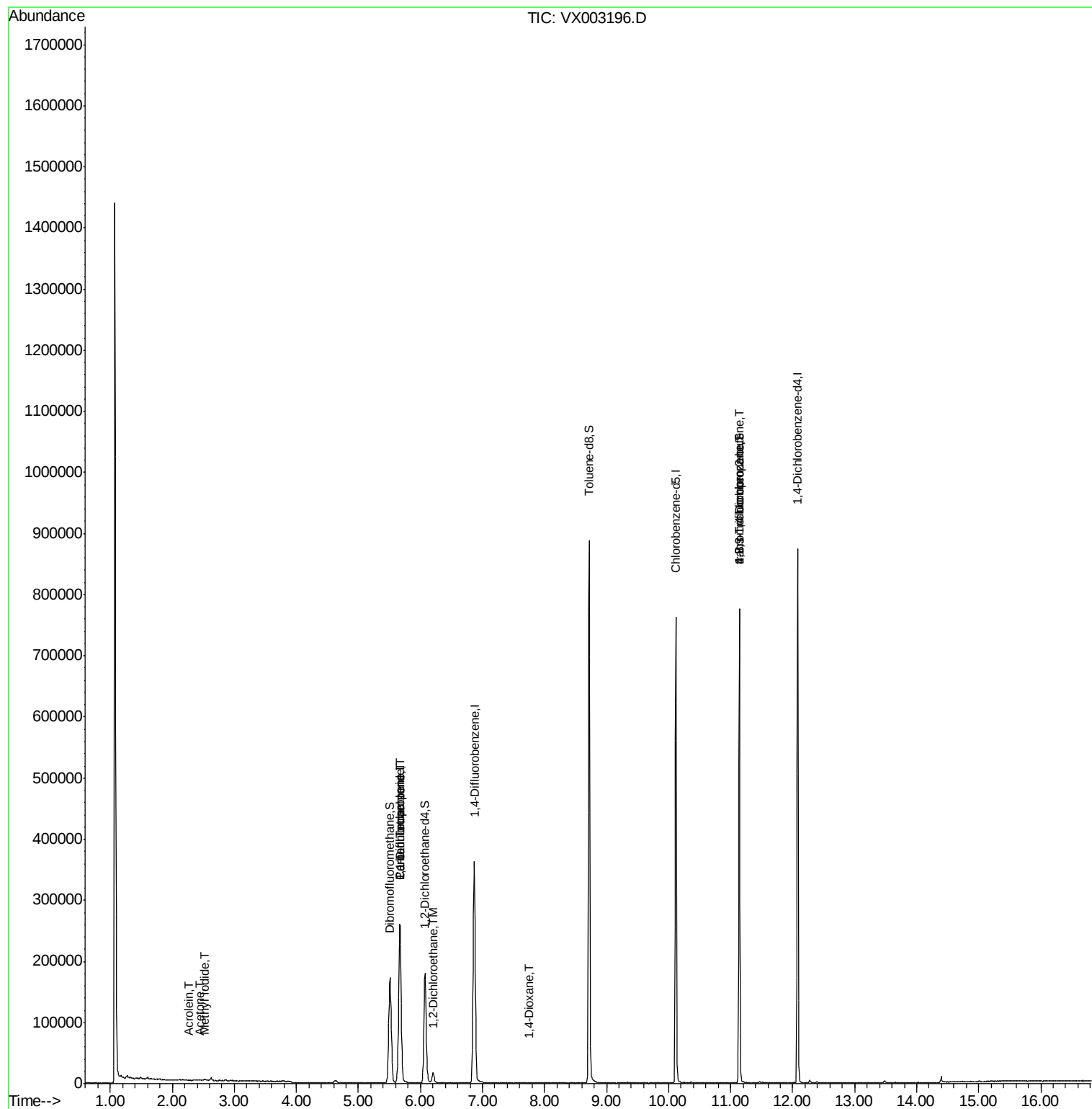
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	220	Below Cal	#	51
3) Chloromethane	1.33	50	761	Below Cal	#	66
5) Bromomethane	1.65	94	1594	Below Cal		84
6) Chloroethane	1.70	64	209	Below Cal	#	43
10) Methyl Iodide	2.53	142	2241	6.87	ug/l	97
13) Acrolein	2.27	56	194	4.69	ug/l #	82
16) Acetone	2.45	43	1411	0.91	ug/l #	60
36) 1,1-Dichloropropene	5.67	75	17499	4.26	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24191	5.36	ug/l #	15
42) 1,2-Dichloroethane	6.20	62	17472	3.62	ug/l	94
49) 1,4-Dioxane	7.75	88	20	0.27	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	89157	25.60	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	89157	72.65	ug/l #	7

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

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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# 834

Delta R.T. 0.01 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

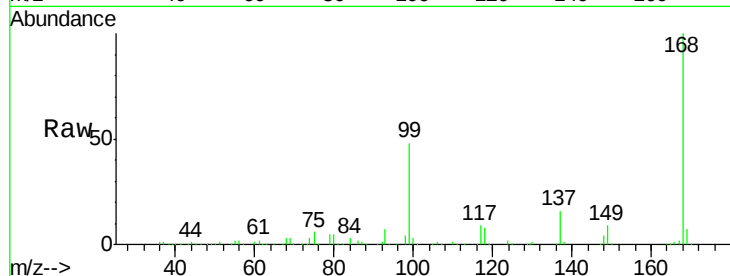
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 270459

Ion Ratio Lower Upper

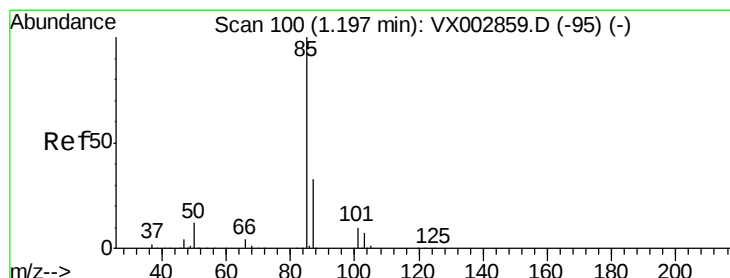
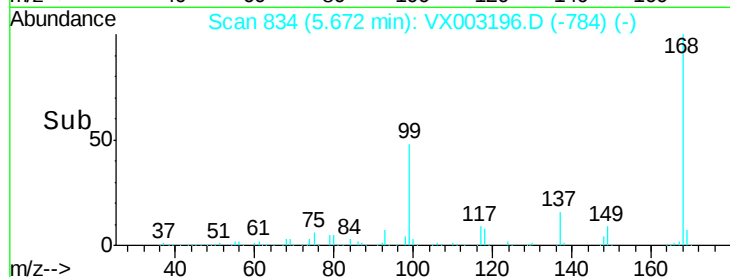
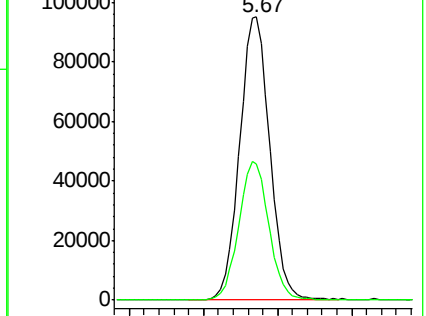
168 100

99 48.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003196.D

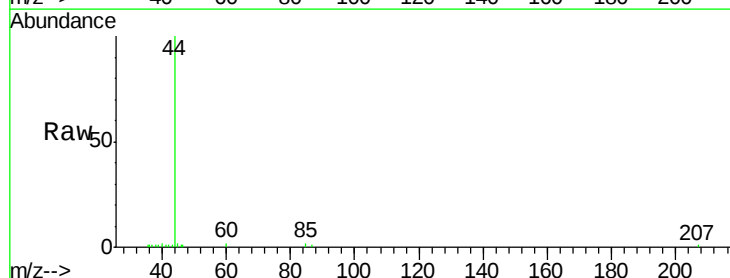
Acq: 06 Jul 2018 02:47

Tgt Ion: 85 Resp: 220

Ion Ratio Lower Upper

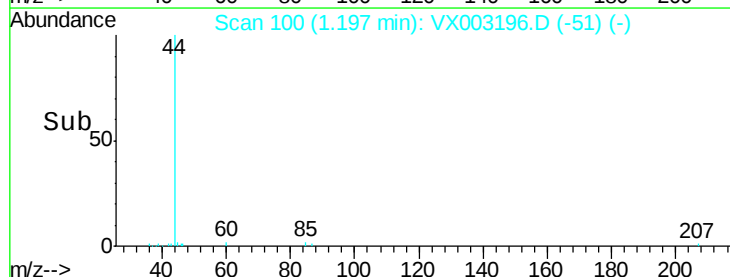
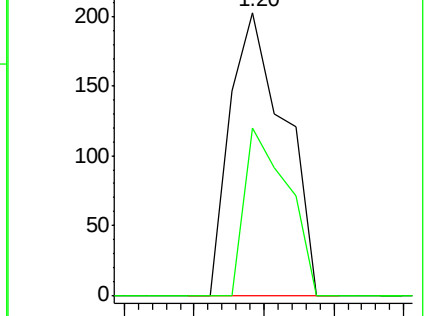
85 100

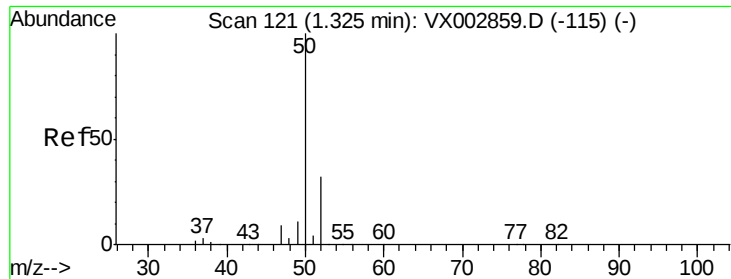
87 59.1 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA_X

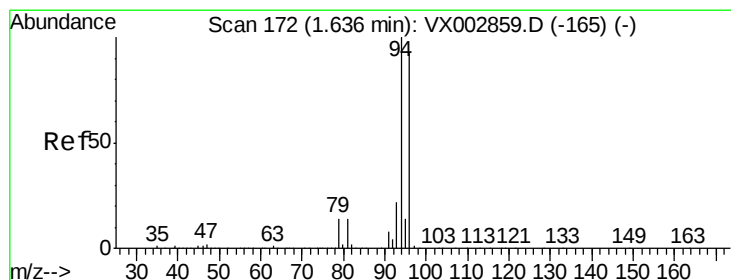
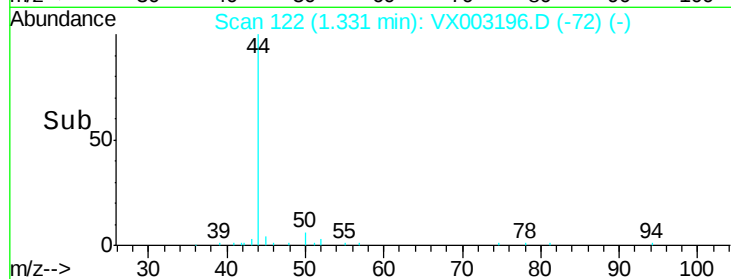
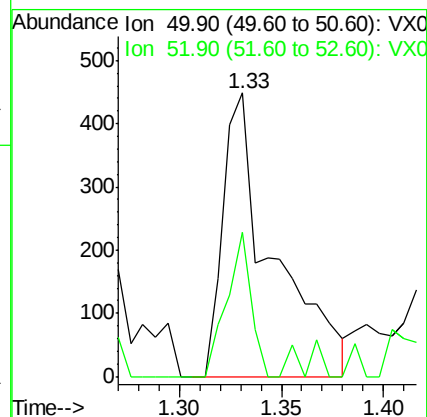
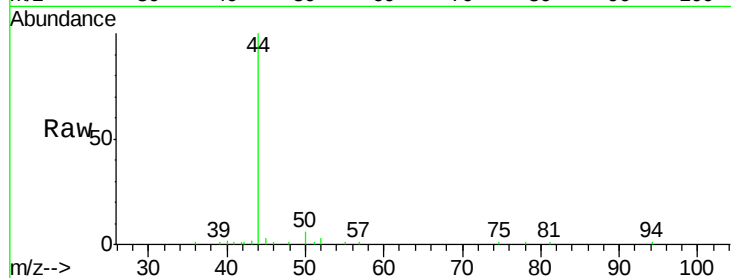
ClientSampled :

Tot Ion: 50 Resp: 761

Ion Ratio Lower Upper

50 100

52 51.1 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003196.D

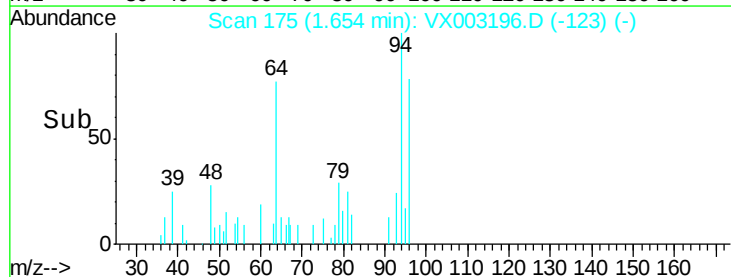
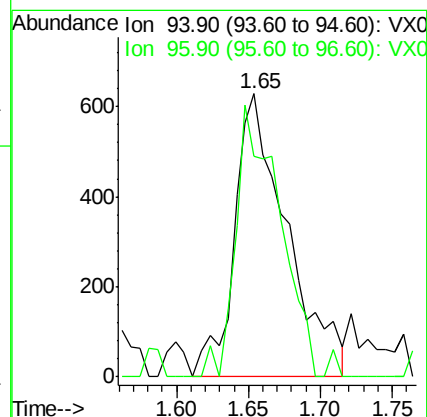
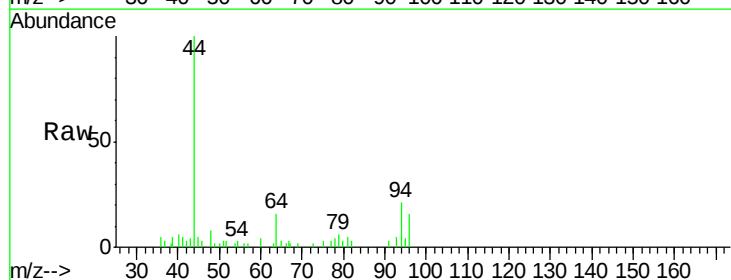
Acq: 06 Jul 2018 02:47

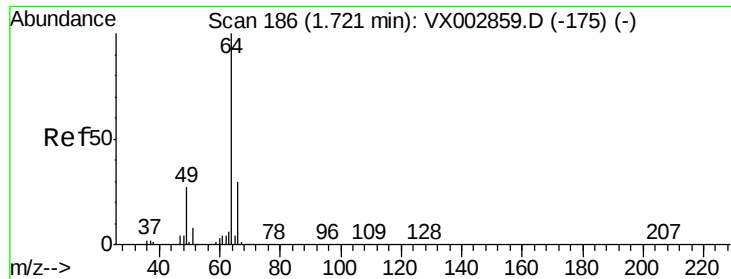
Tgt Ion: 94 Resp: 1594

Ion Ratio Lower Upper

94 100

96 78.2 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA_X

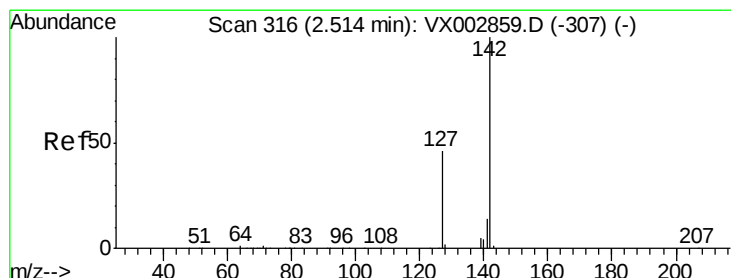
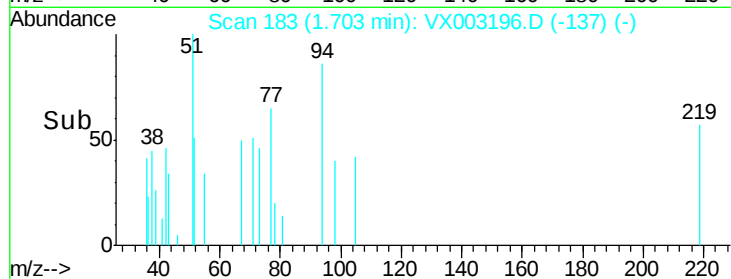
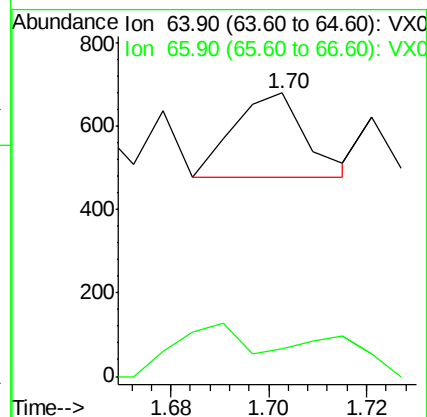
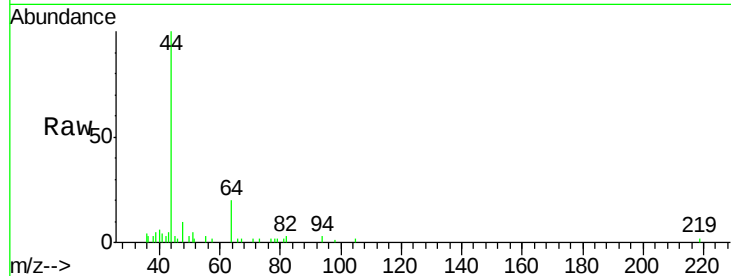
ClientSampleId :

Tot Ion: 64 Resp: 209

Ion Ratio Lower Upper

64 100

66 0.0 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: VX003196.D

Acq: 06 Jul 2018 02:47

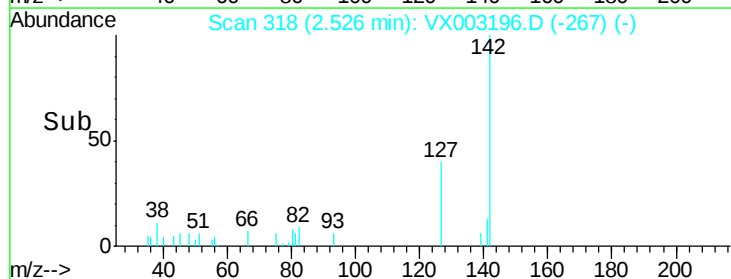
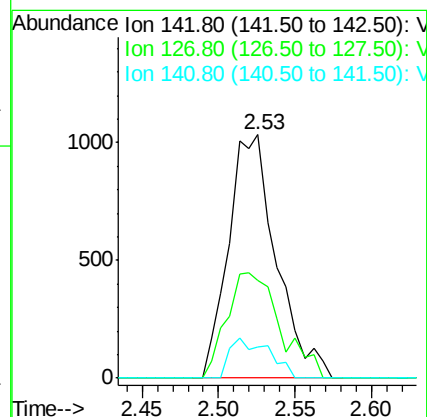
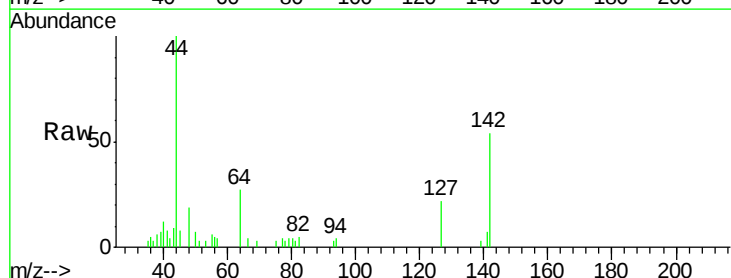
Tgt Ion:142 Resp: 2241

Ion Ratio Lower Upper

142 100

127 48.4 36.6 55.0

141 13.5 11.3 16.9





#13

Acrolein

Concen: 4.69 ug/l

RT: 2.27 min Scan# 276

Delta R.T. -0.02 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA_X

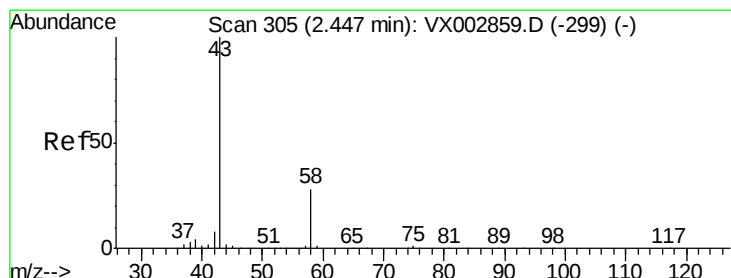
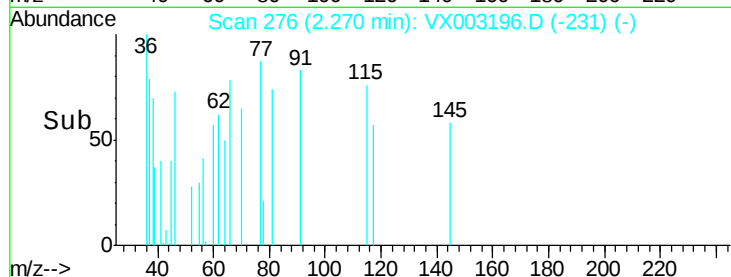
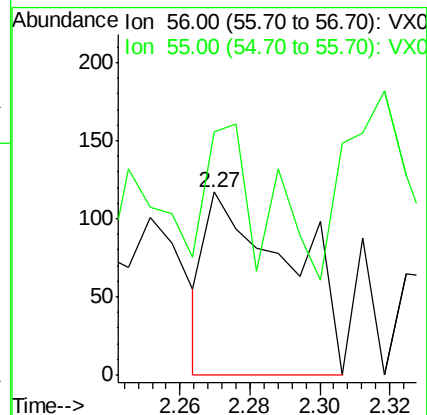
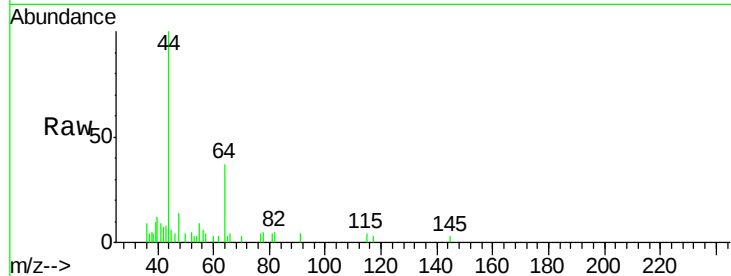
ClientSampled :

Tot Ion: 56 Resp: 194

Ion Ratio Lower Upper

56 100

55 56.2 57.0 85.4#



#16

Acetone

Concen: 0.91 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003196.D

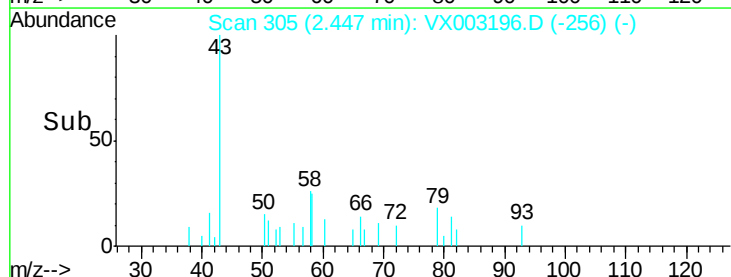
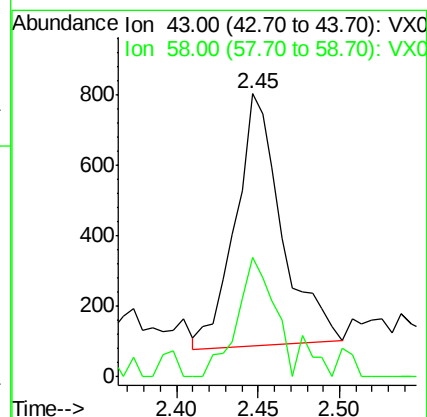
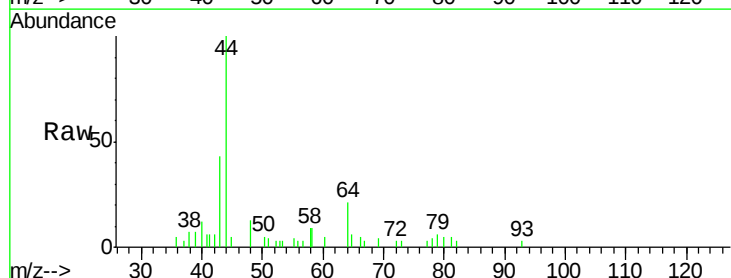
Acq: 06 Jul 2018 02:47

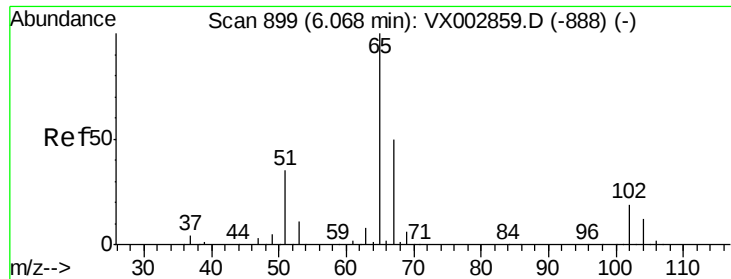
Tgt Ion: 43 Resp: 1411

Ion Ratio Lower Upper

43 100

58 48.7 22.1 33.1#

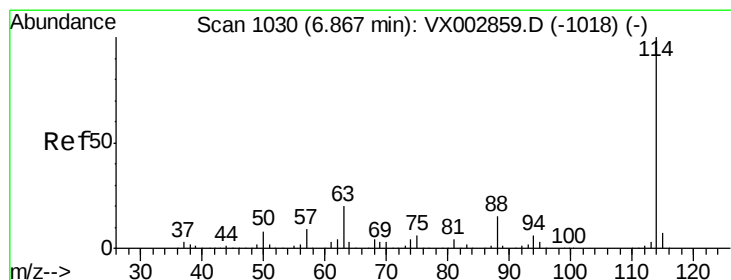
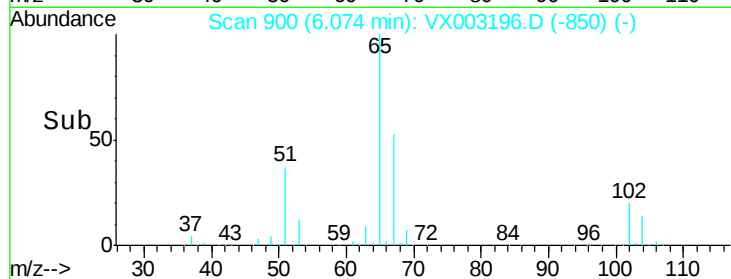
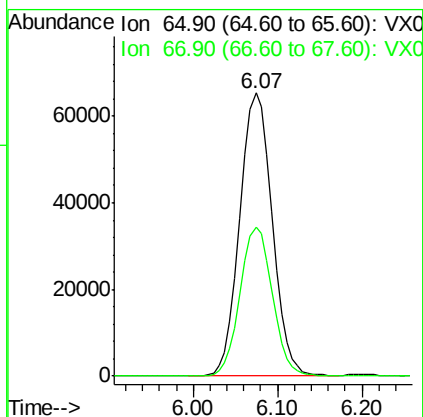
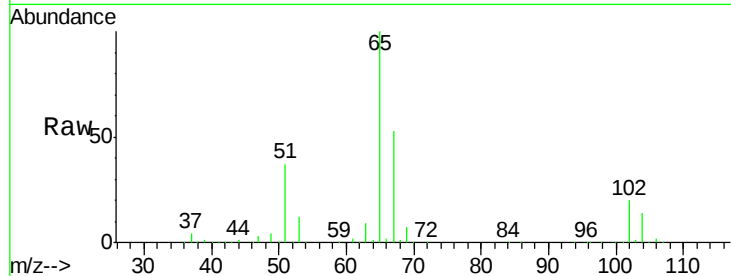




#33
 1,2-Dichloroethane-d4
 Concen: 45.65 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003196.D
 Acq: 06 Jul 2018 02:47

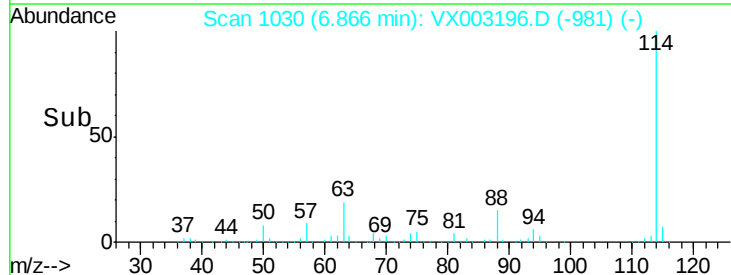
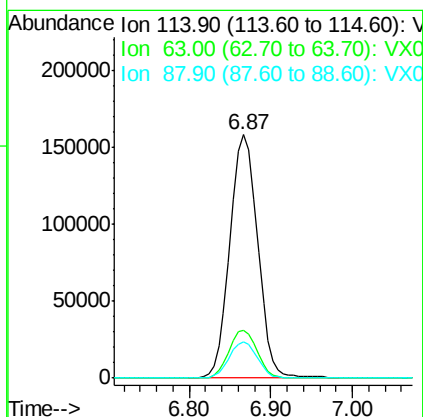
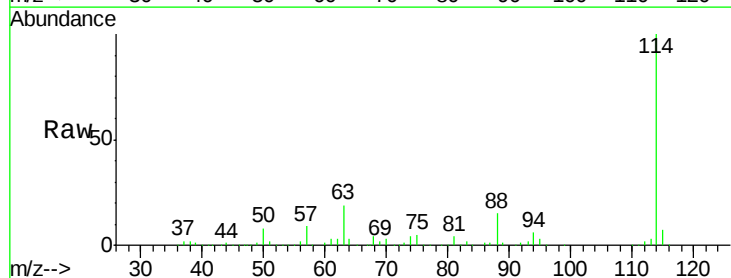
Instrument :
 MSVOA_X
 ClientSampleId :

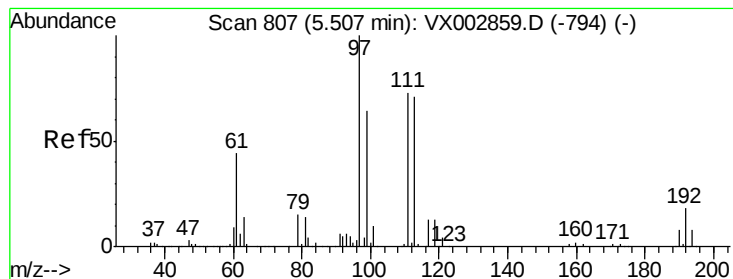
Tot Ion: 65 Resp: 170641
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003196.D
 Acq: 06 Jul 2018 02:47

Tgt Ion: 114 Resp: 374768
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.86 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :
MSVOA_X
ClientSampleId :

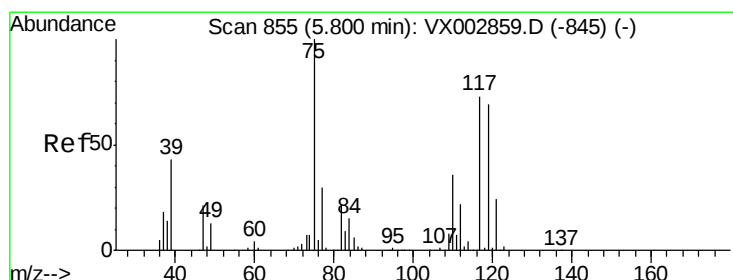
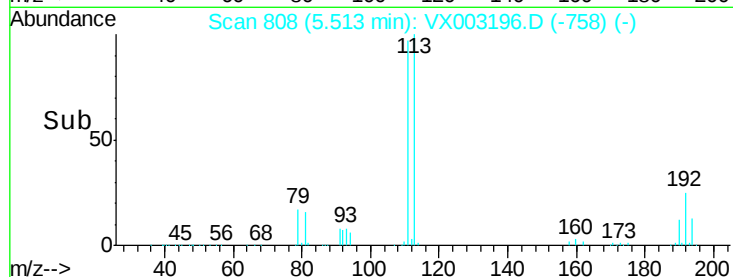
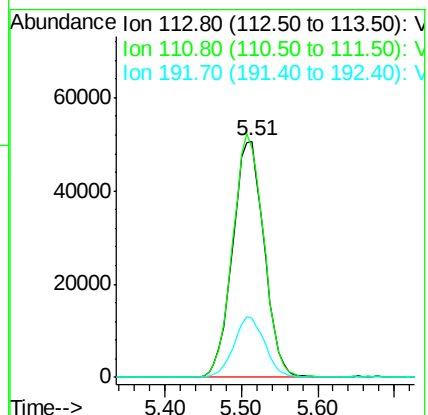
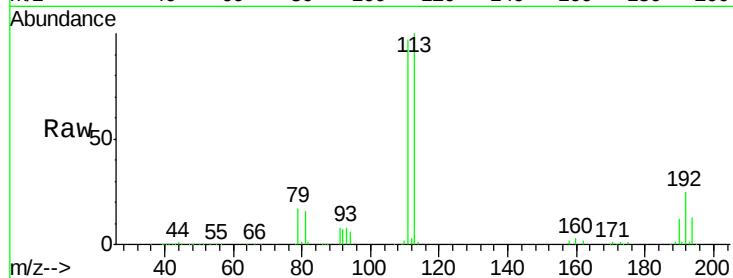
Tot Ion:113 Resp: 145022

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

192 25.0 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.26 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

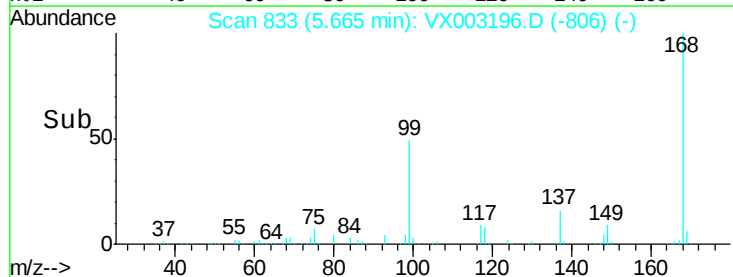
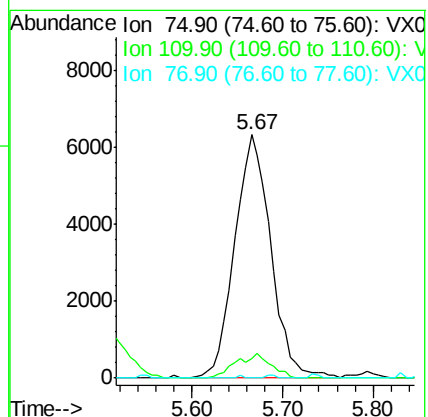
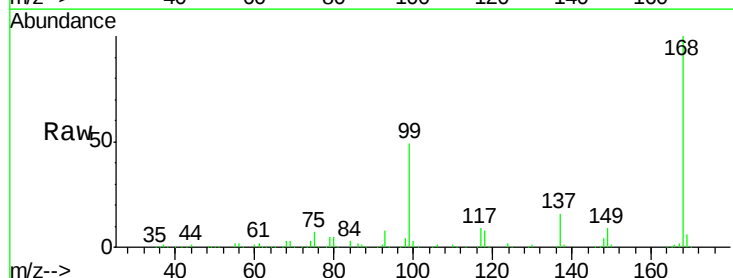
Tgt Ion: 75 Resp: 17499

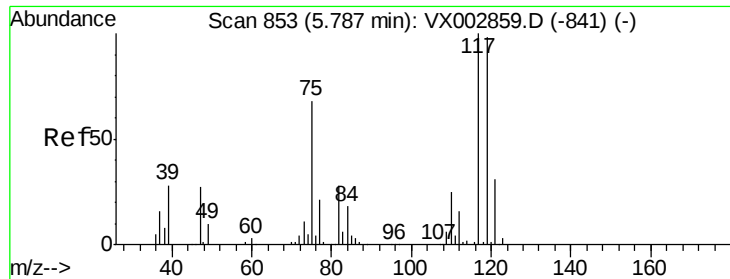
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

77 0.1 24.3 36.5#

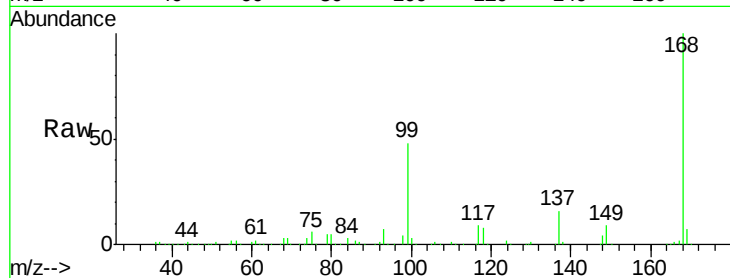




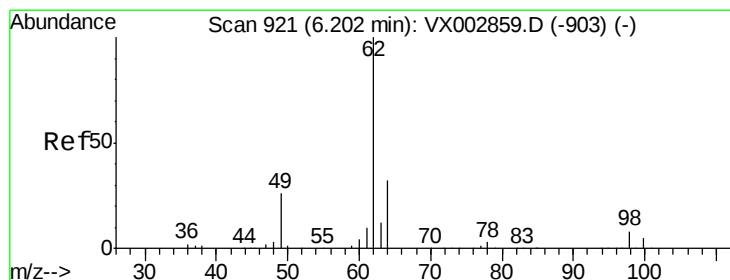
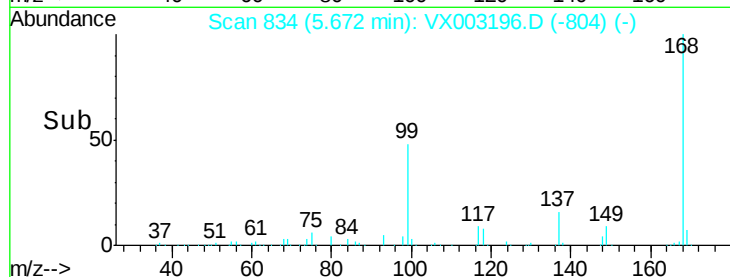
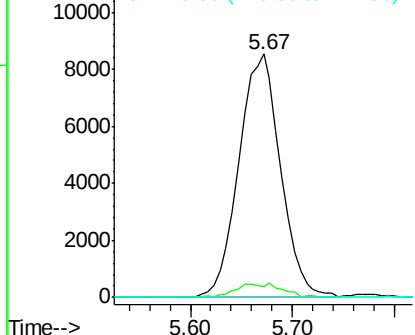
#38
 Carbon Tetrachloride
 Concen: 5.36 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX003196.D
 Acq: 06 Jul 2018 02:47

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:117 Resp: 24191
 Ion Ratio Lower Upper
 117 100
 119 4.2 77.4 116.0#
 121 0.0 24.4 36.6#

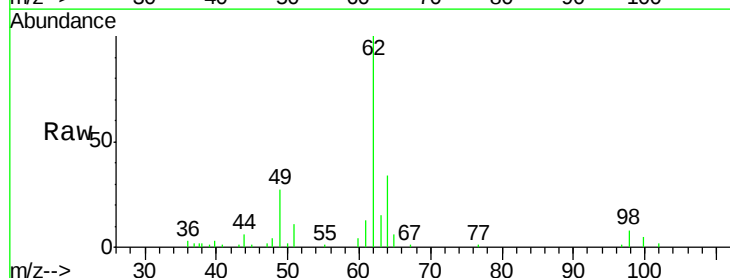


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

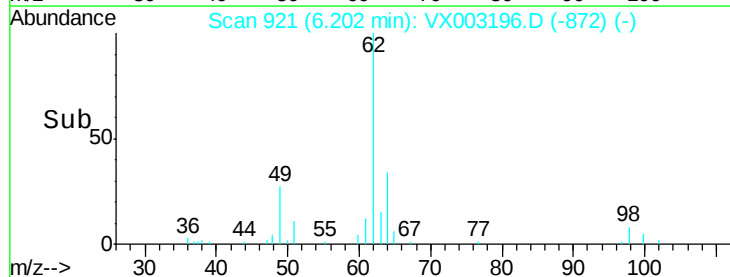
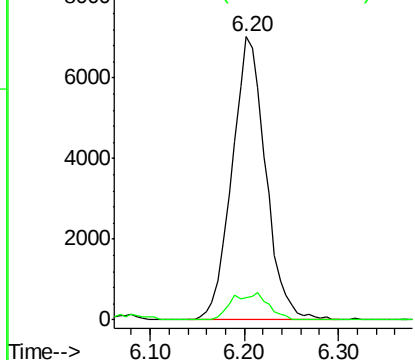


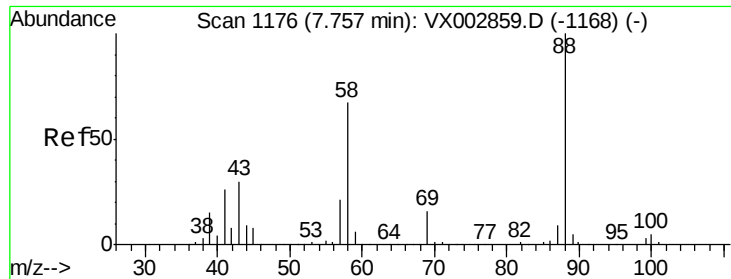
#42
 1,2-Dichloroethane
 Concen: 3.62 ug/l
 RT: 6.20 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VX003196.D
 Acq: 06 Jul 2018 02:47

Tgt Ion: 62 Resp: 17472
 Ion Ratio Lower Upper
 62 100
 98 10.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

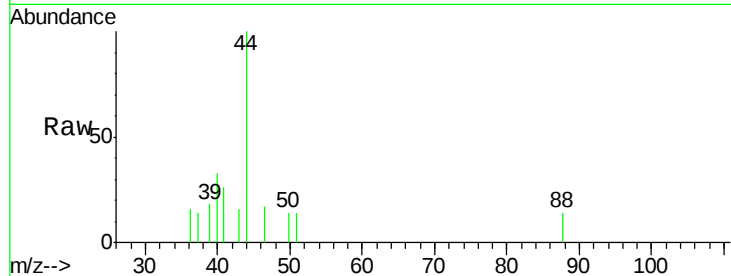




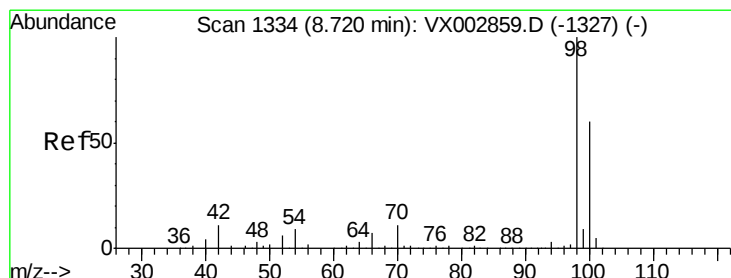
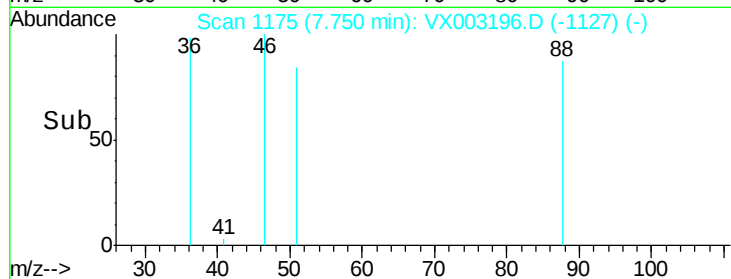
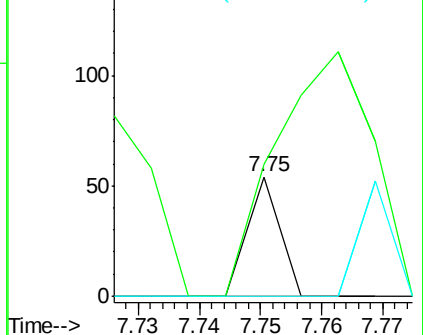
#49
1,4-Dioxane
Concen: 0.27 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX003196.D
Acq: 06 Jul 2018 02:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 605.0 29.8 44.6#
58 0.0 57.1 85.7#

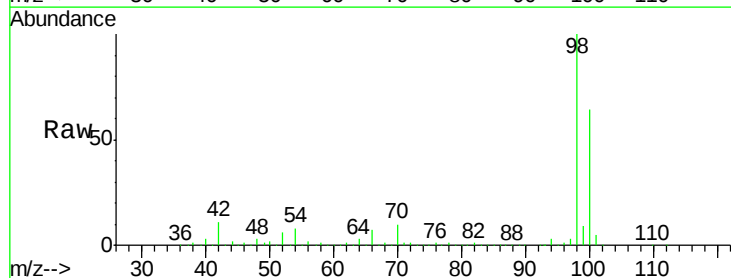


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

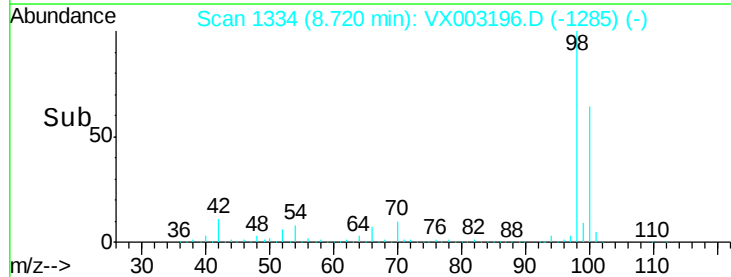
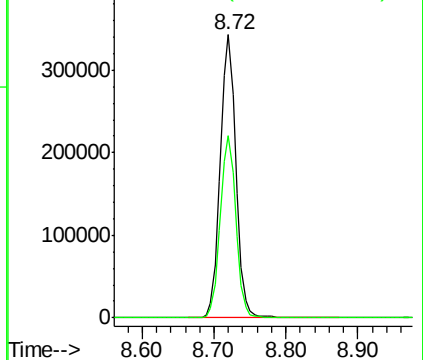


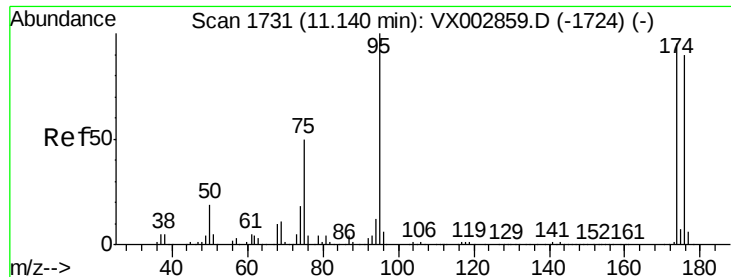
#50
Toluene-d8
Concen: 47.93 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003196.D
Acq: 06 Jul 2018 02:47

Tgt Ion: 98 Resp: 519485
Ion Ratio Lower Upper
98 100
100 64.2 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: 43.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA_X

ClientSampleId :

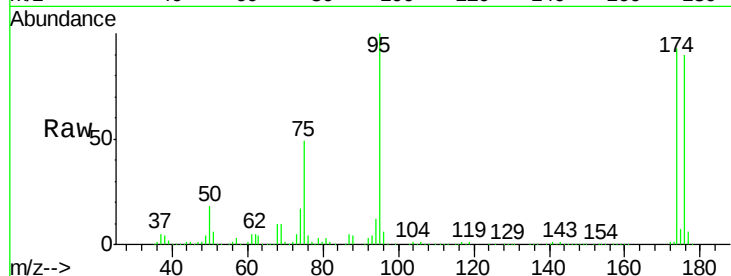
Tot Ion: 95 Resp: 180859

Ion Ratio Lower Upper

95 100

174 98.5 0.0 187.4

176 95.2 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) (-)

11.14

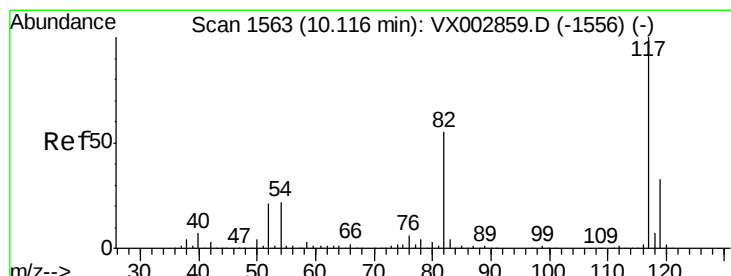
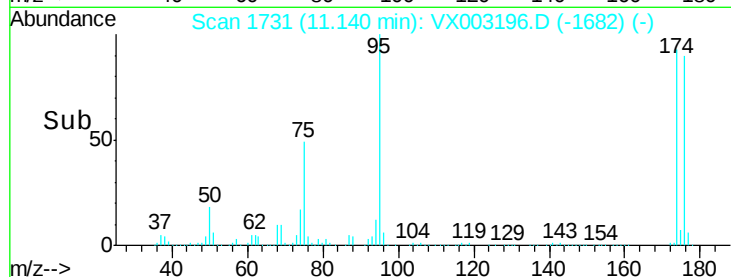
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

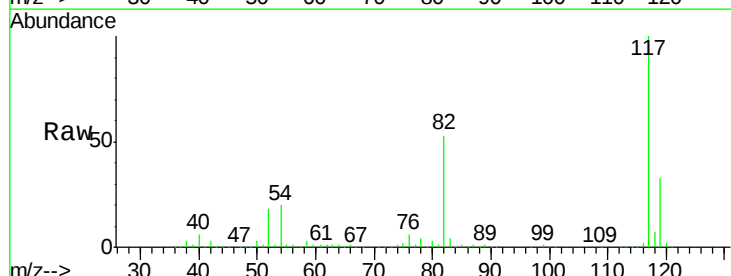
Tgt Ion: 117 Resp: 344738

Ion Ratio Lower Upper

117 100

82 53.0 45.0 67.4

119 32.6 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) (-)

10.12

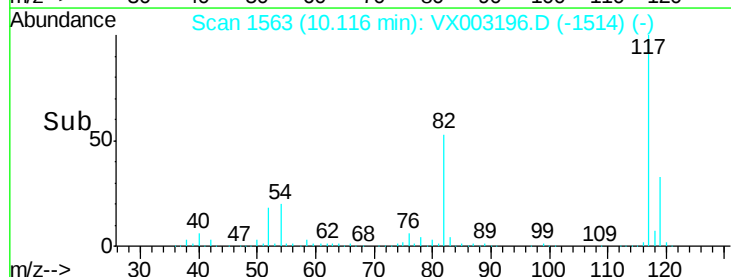
300000

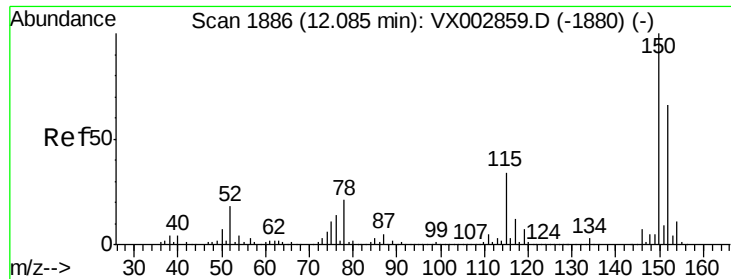
200000

100000

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: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA_X

ClientSampleId :

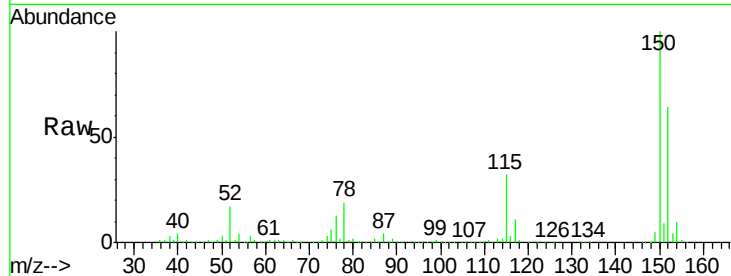
Tot Ion:152 Resp: 192241

Ion Ratio Lower Upper

152 100

115 53.9 40.1 120.2

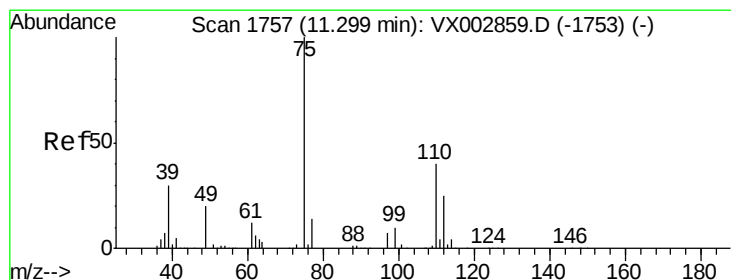
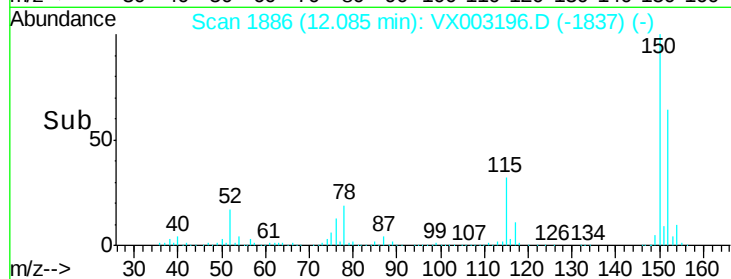
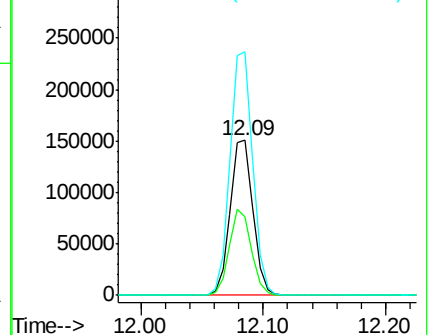
150 157.2 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 25.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003196.D

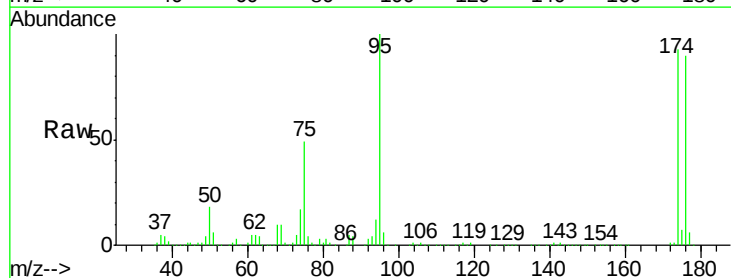
Acq: 06 Jul 2018 02:47

Tgt Ion: 75 Resp: 89157

Ion Ratio Lower Upper

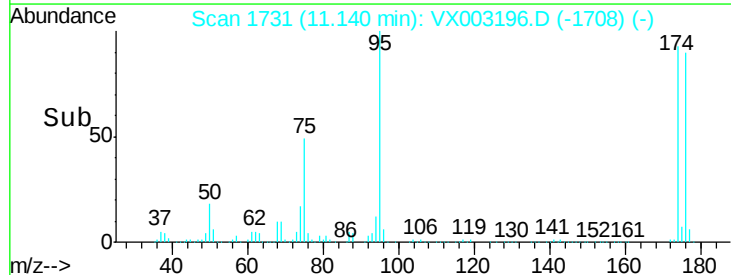
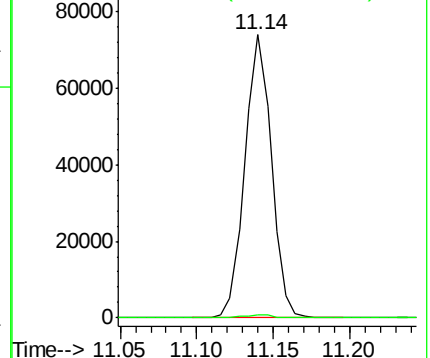
75 100

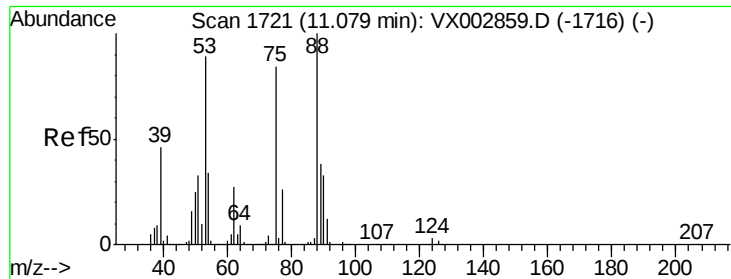
77 1.3 22.8 68.3#



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: 72.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 89157

Ion Ratio Lower Upper

75 100

53 0.4 86.8 130.2#

89 0.0 38.2 57.2#

