

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002957.D
 Acq On : 28 Jun 2018 01:20
 Operator : JC/MD
 Sample : J3631-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0018

Quant Time: Jun 28 06:49:57 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	273372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384322	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200943	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	182678	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	5.51	113	144557	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	8.72	98	537338	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.14	95	190538	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

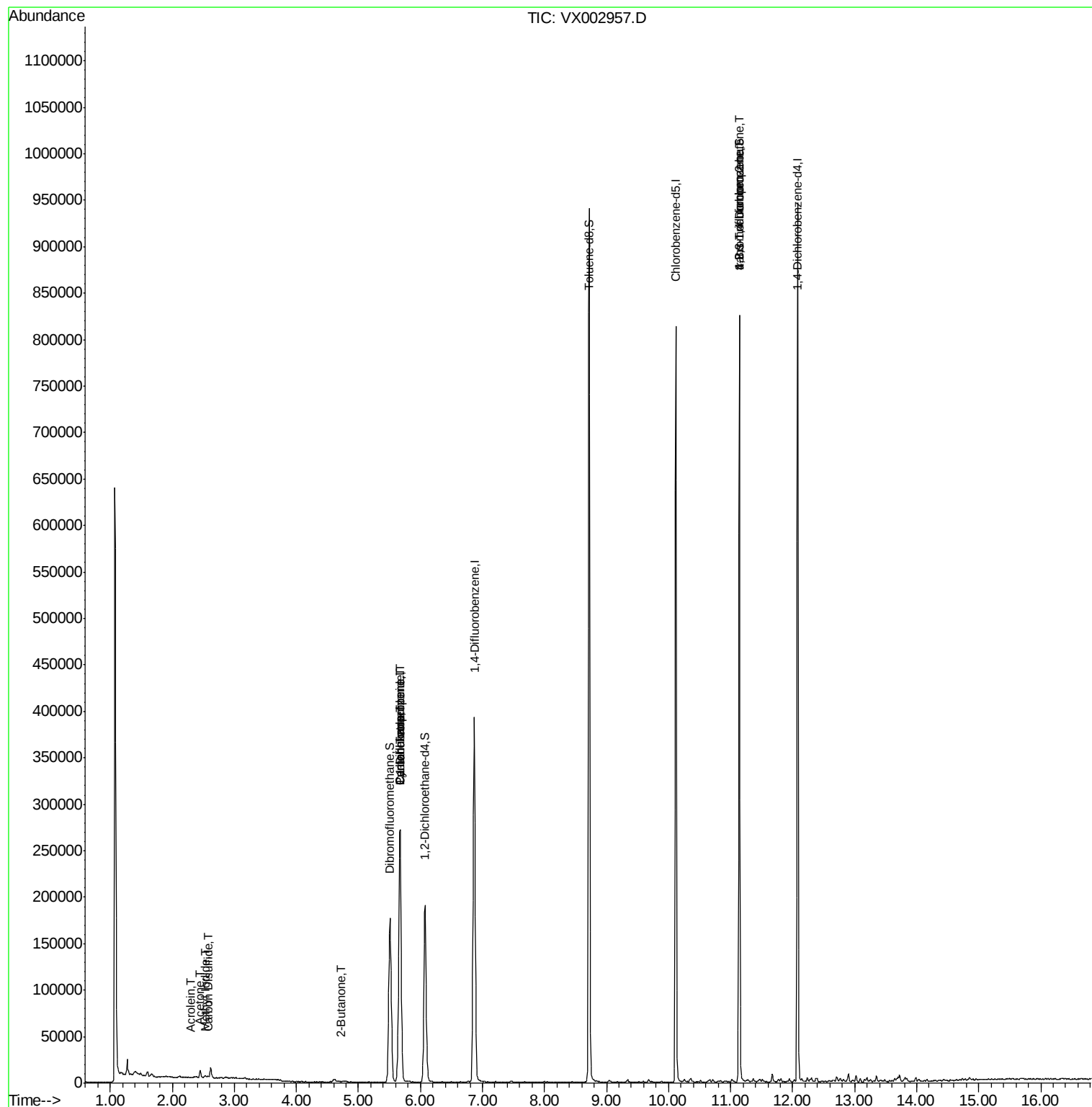
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	313	Below Cal		85
3) Chloromethane	1.33	50	838	Below Cal		94
5) Bromomethane	1.67	94	1931	Below Cal	#	71
6) Chloroethane	1.70	64	122	Below Cal	#	43
10) Methyl Iodide	2.53	142	2822	7.03	ug/l	92
13) Acrolein	2.29	56	210	4.72	ug/l	99
16) Acetone	2.45	43	8920	5.70	ug/l	94
17) Carbon Disulfide	2.57	76	1648	0.23	ug/l	# 71
25) 2-Butanone	4.71	43	623	0.27	ug/l	# 85
31) Cyclohexane	5.67	56	5068	1.07	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	18226	4.32	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	24983	5.40	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	99720	27.40	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	99720	77.51	ug/l	# 7

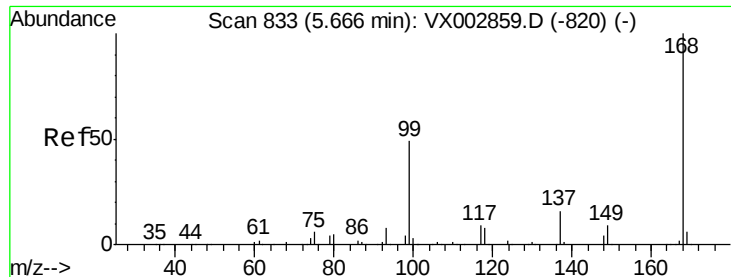
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

Instrument :

MSVOA_X

ClientSampled :

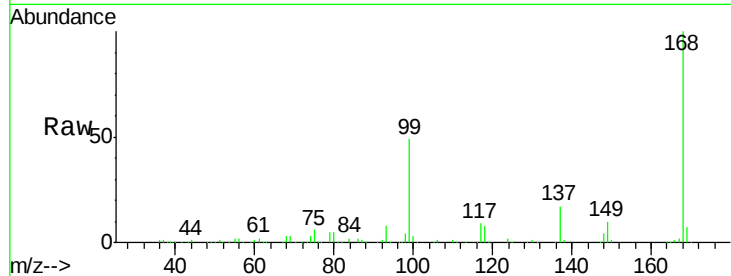
S83-0018

Tot Ion:168 Resp: 273372

Ion Ratio Lower Upper

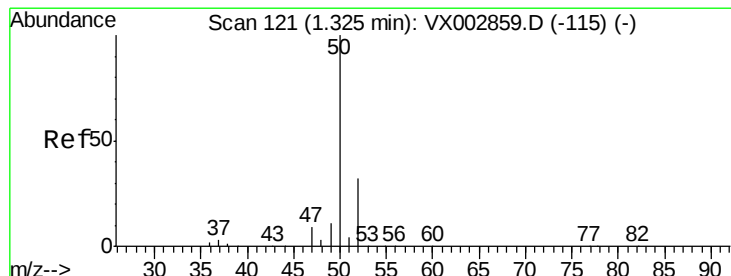
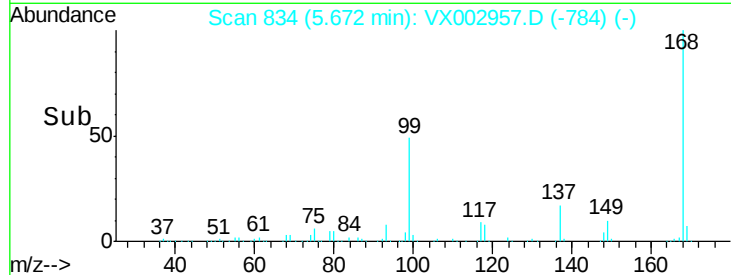
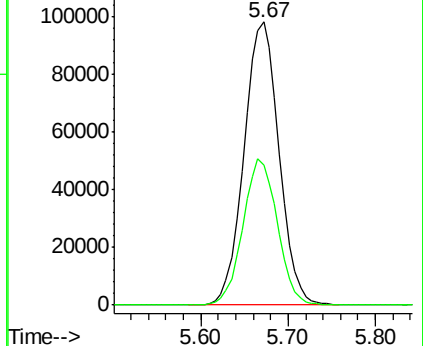
168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002957.D

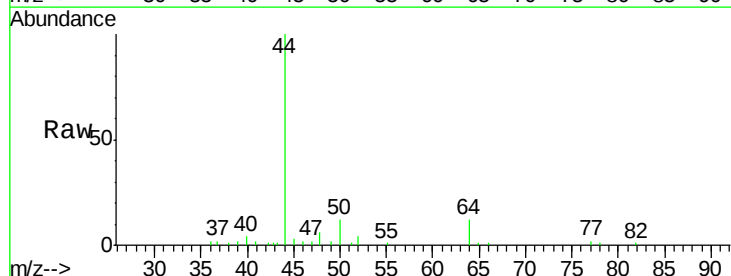
Acq: 28 Jun 2018 01:20

Tgt Ion: 50 Resp: 838

Ion Ratio Lower Upper

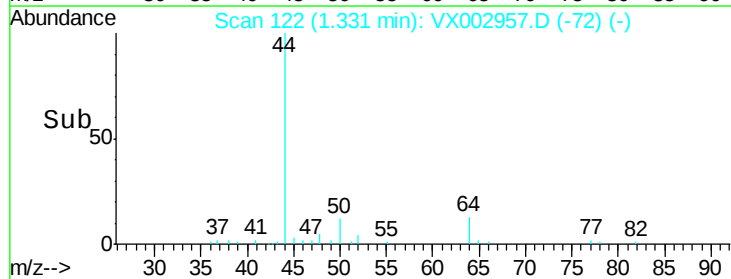
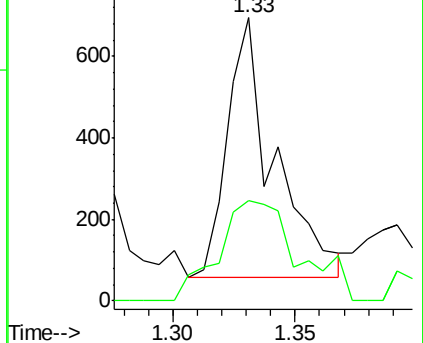
50 100

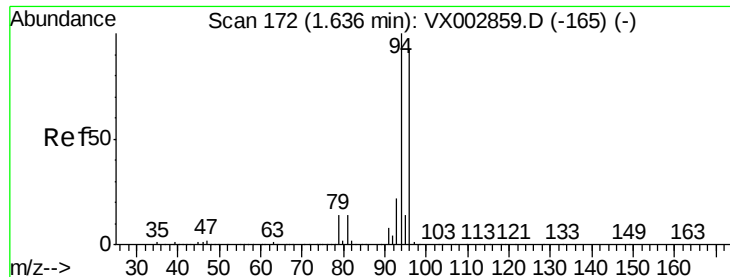
52 28.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

Instrument :

MSVOA_X

ClientSampleId :

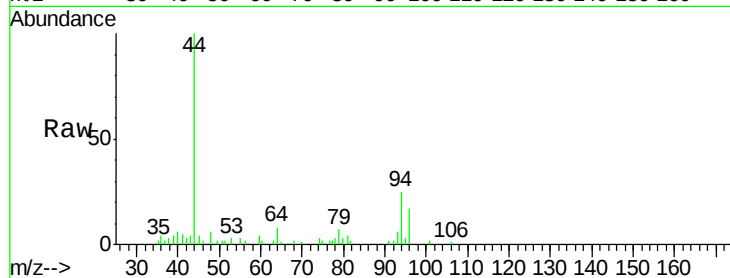
S83-0018

Tot Ion: 94 Resp: 1931

Ion Ratio Lower Upper

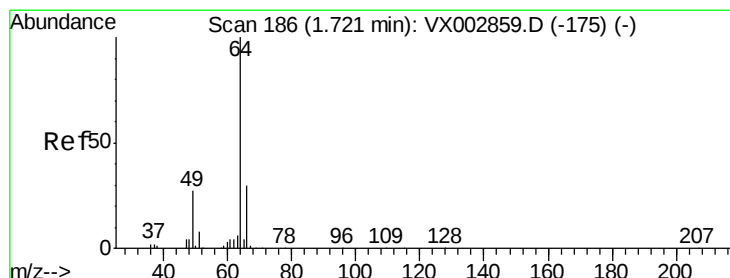
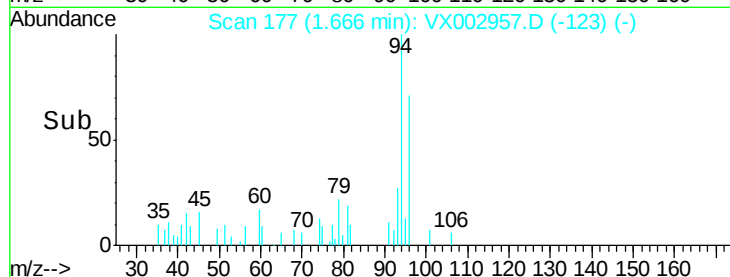
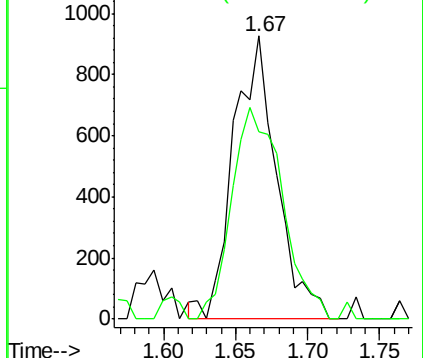
94 100

96 66.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX002957.D

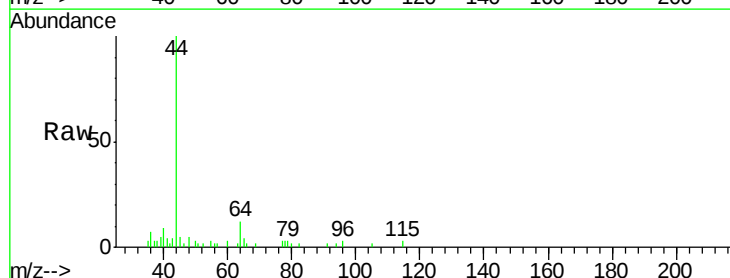
Acq: 28 Jun 2018 01:20

Tgt Ion: 64 Resp: 122

Ion Ratio Lower Upper

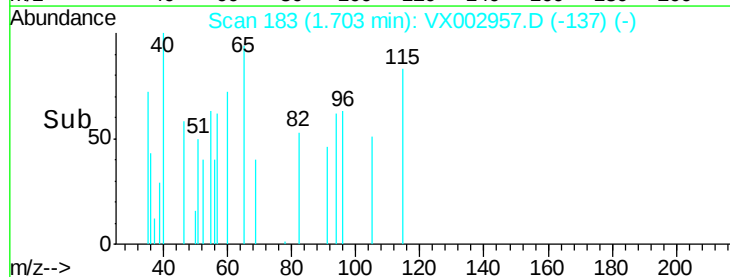
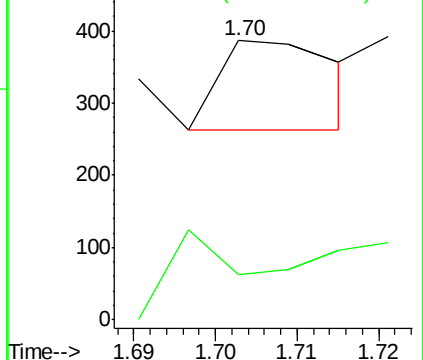
64 100

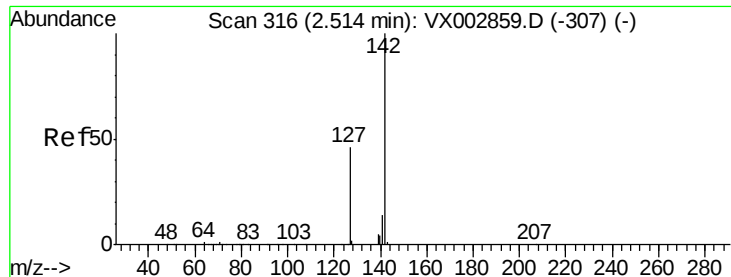
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

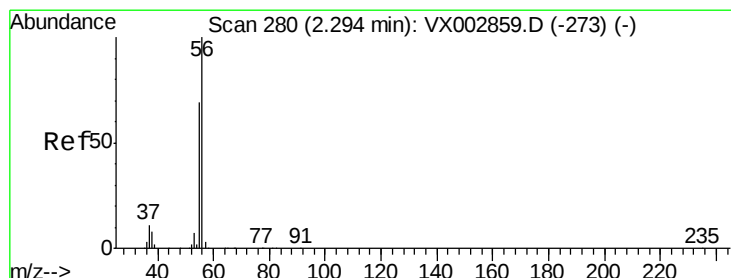
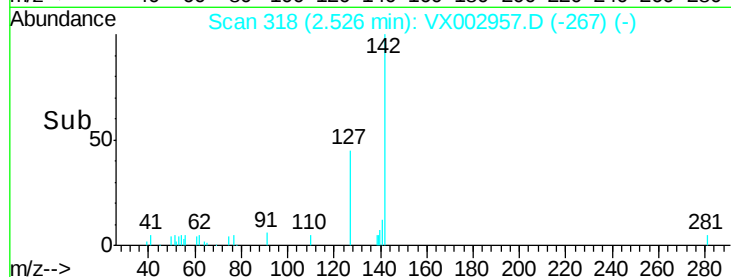
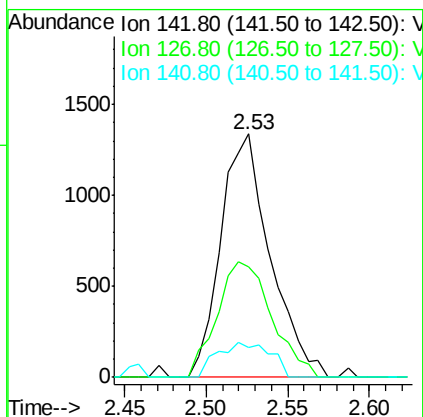
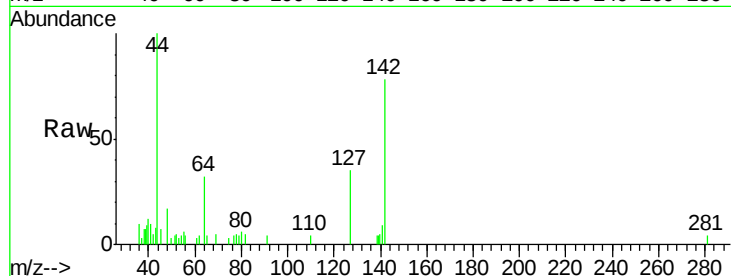




#10
Methvl Iodide
Concen: 7.03 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002957.D
Acq: 28 Jun 2018 01:20

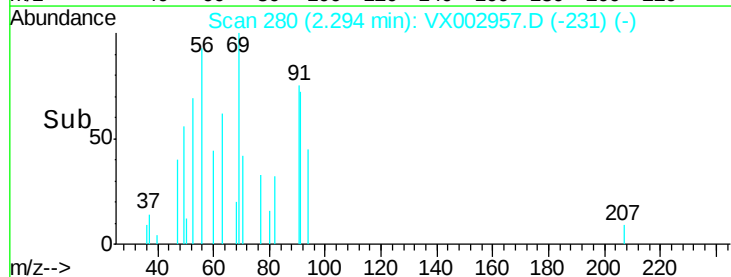
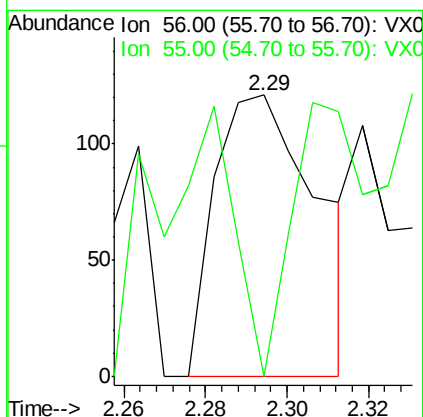
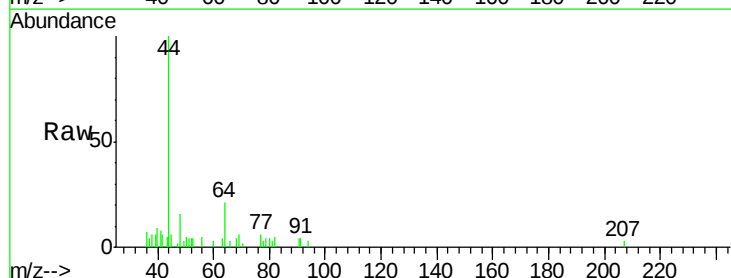
Instrument :
MSVOA_X
ClientSampleId :
S83-0018

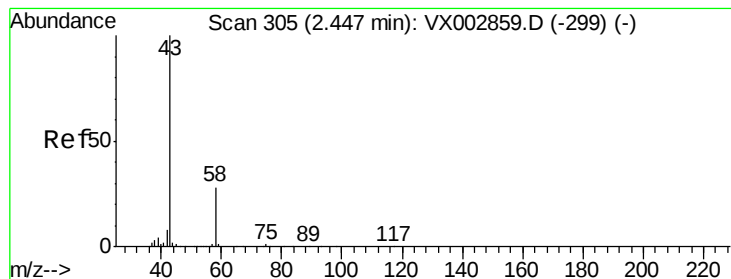
Tot Ion:142 Resp: 2822
Ion Ratio Lower Upper
142 100
127 52.3 36.6 55.0
141 15.4 11.3 16.9



#13
Acrolein
Concen: 4.72 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002957.D
Acq: 28 Jun 2018 01:20

Tgt Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 71.9 57.0 85.4





#16

Acetone

Concen: 5.70 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

Instrument :

MSVOA_X

ClientSampleId :

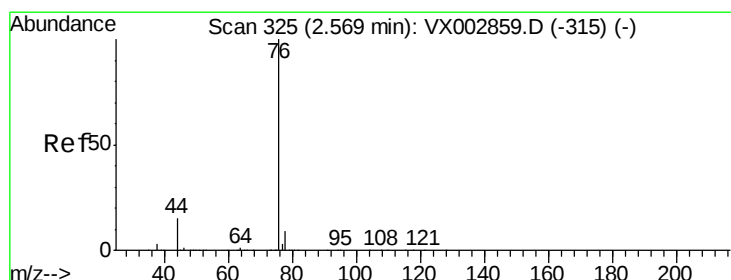
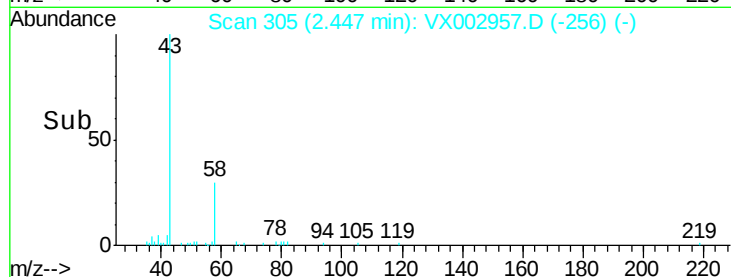
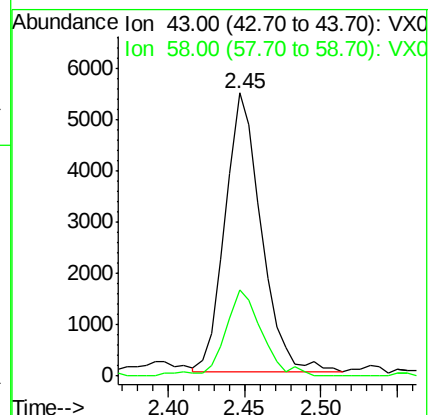
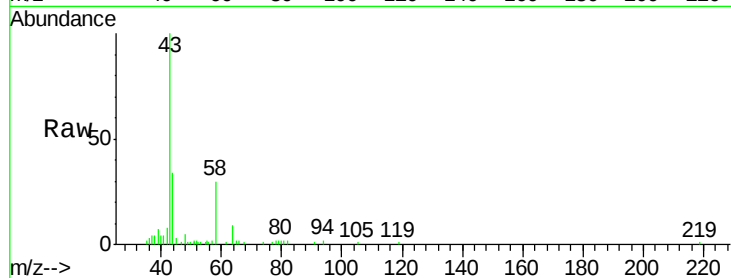
S83-0018

Tot Ion: 43 Resp: 8920

Ion Ratio Lower Upper

43 100

58 30.8 22.1 33.1



#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002957.D

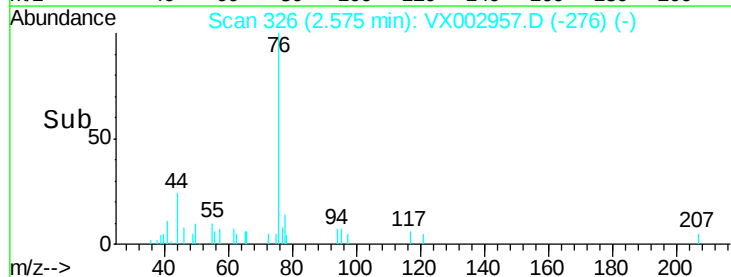
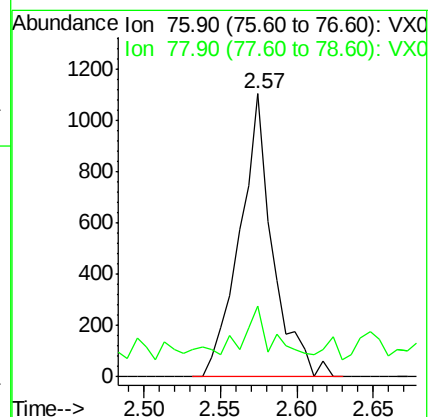
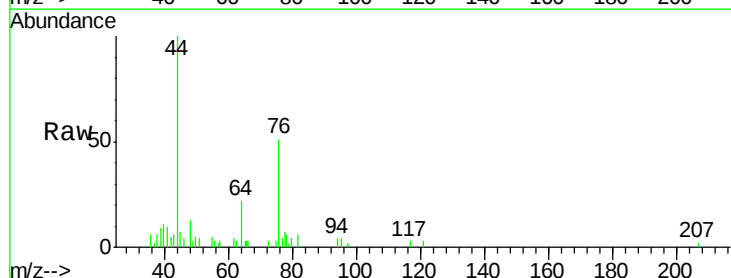
Acq: 28 Jun 2018 01:20

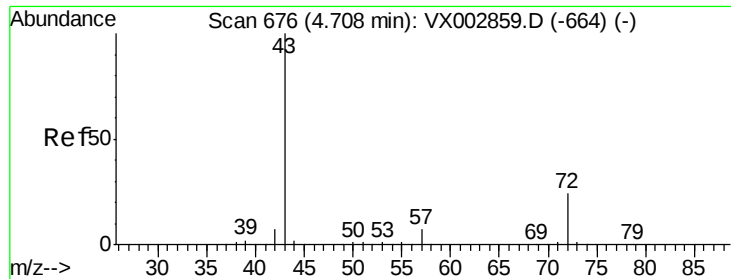
Tgt Ion: 76 Resp: 1648

Ion Ratio Lower Upper

76 100

78 19.0 6.9 10.3#

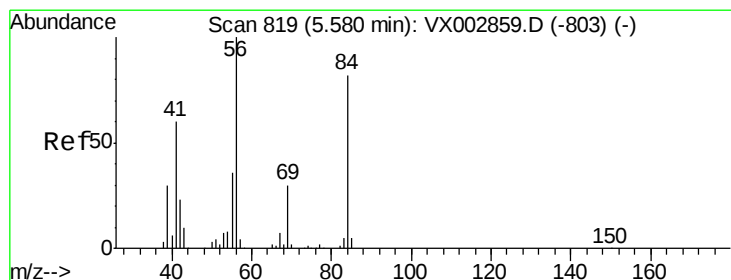
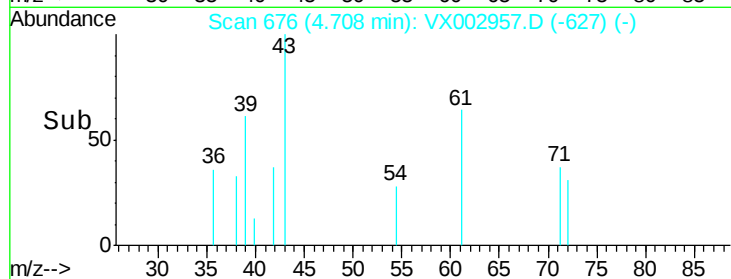
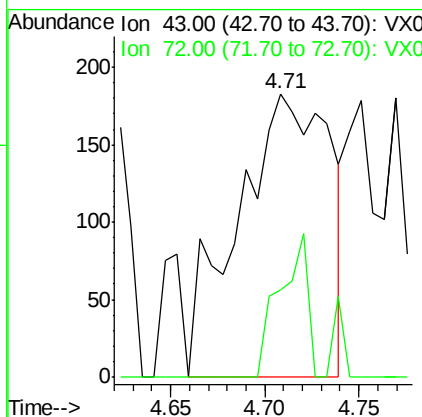
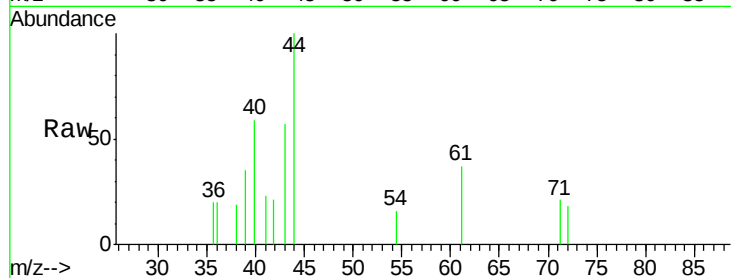




#25
2-Butanone
Concen: 0.27 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.00 min
Lab File: VX002957.D
Acq: 28 Jun 2018 01:20

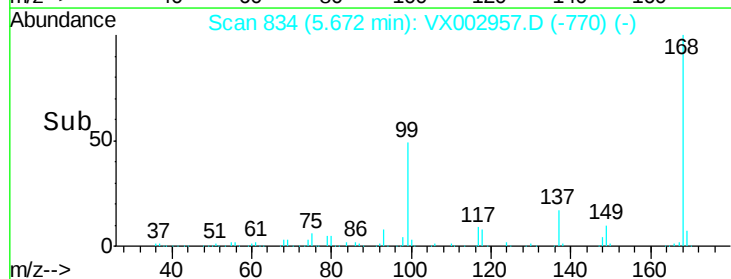
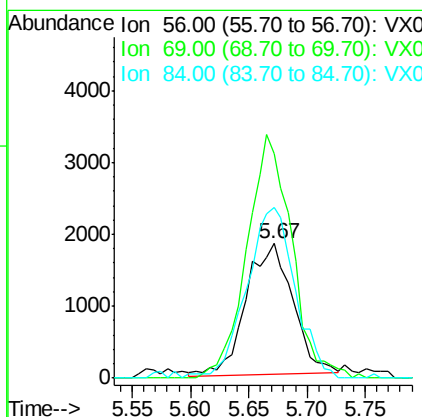
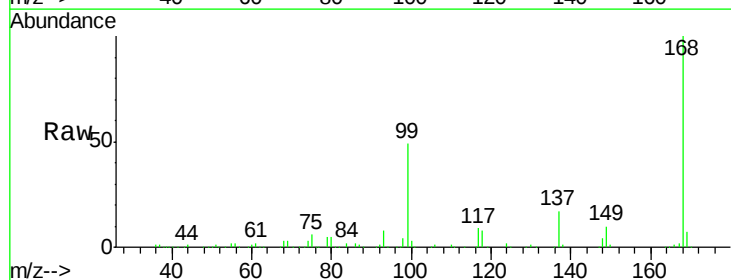
Instrument :
MSVOA_X
ClientSampled :
S83-0018

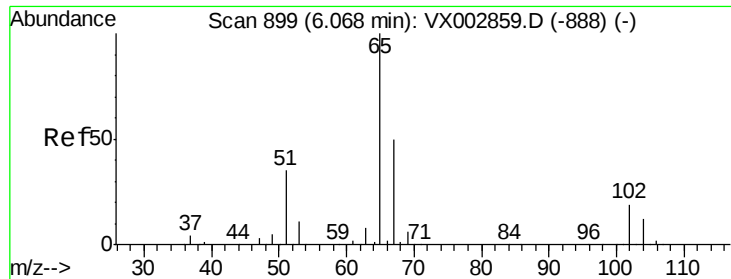
Tot Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
72 30.6 18.5 27.7#



#31
Cyclohexane
Concen: 1.07 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX002957.D
Acq: 28 Jun 2018 01:20

Tgt Ion: 56 Resp: 5068
Ion Ratio Lower Upper
56 100
69 174.3 23.7 35.5#
84 132.3 64.1 96.1#

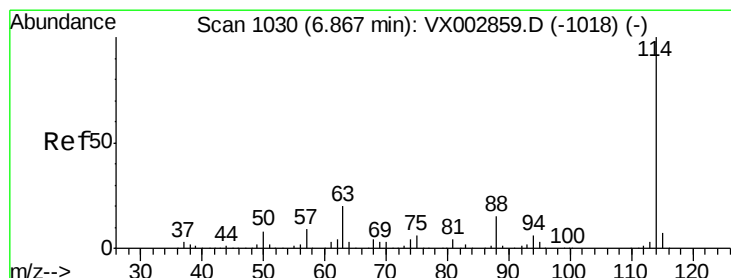
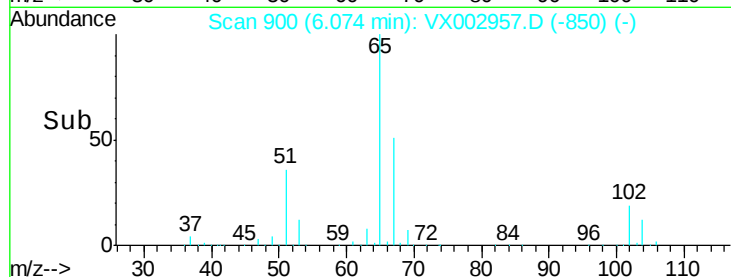
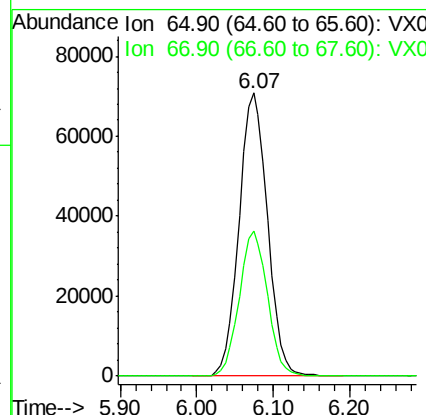
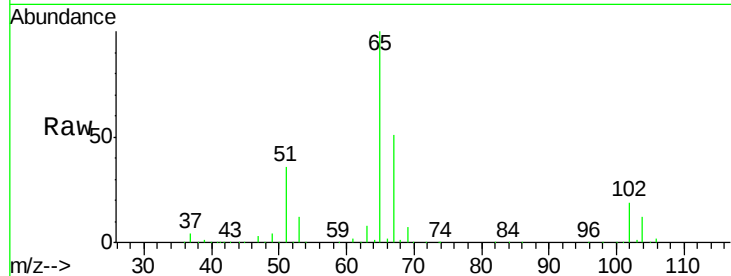




#33
 1,2-Dichloroethane-d4
 Concen: 48.35 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002957.D
 Acq: 28 Jun 2018 01:20

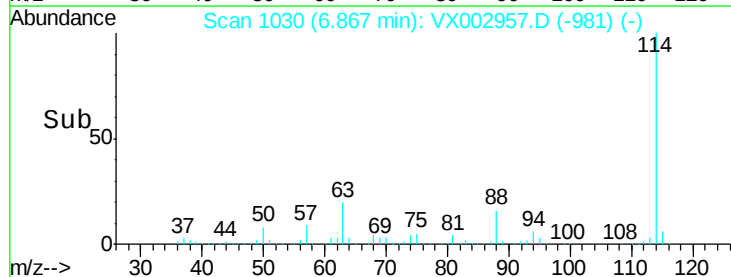
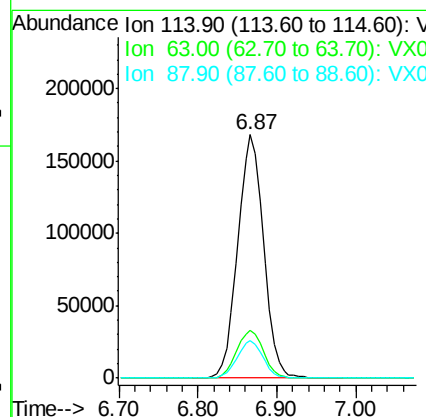
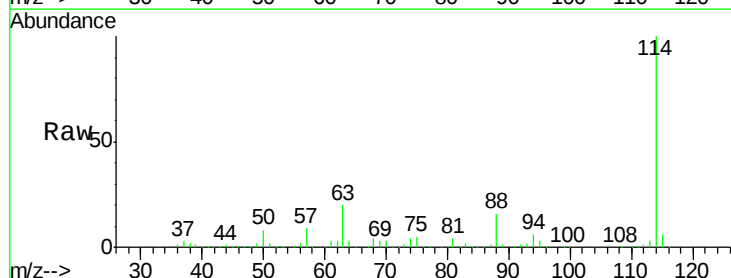
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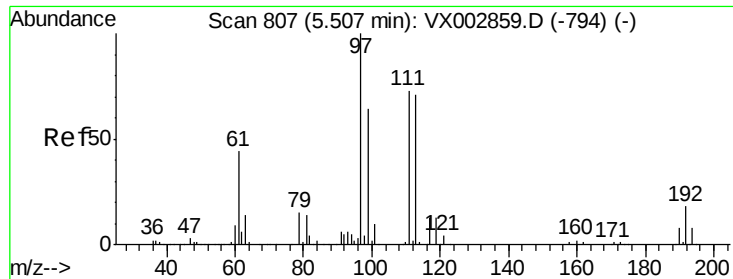
Tot Ion: 65 Resp: 182678
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002957.D
 Acq: 28 Jun 2018 01:20

Tgt Ion: 114 Resp: 384322
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.50 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

Instrument :

MSVOA_X

ClientSampleId :

S83-0018

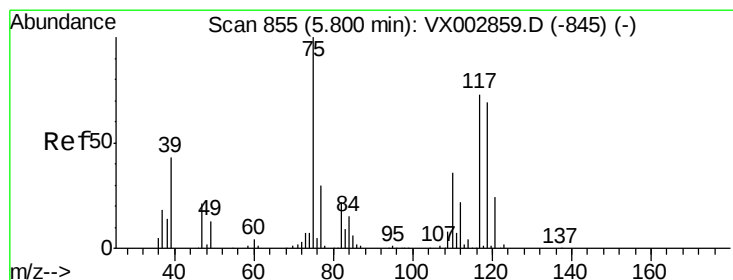
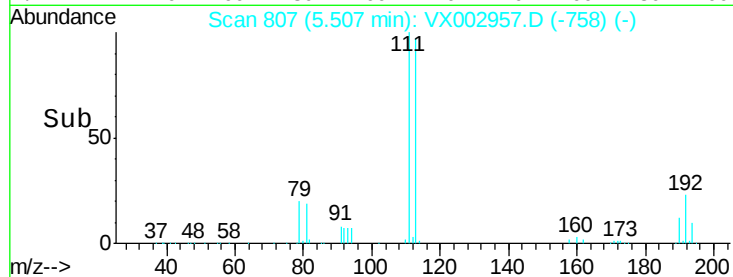
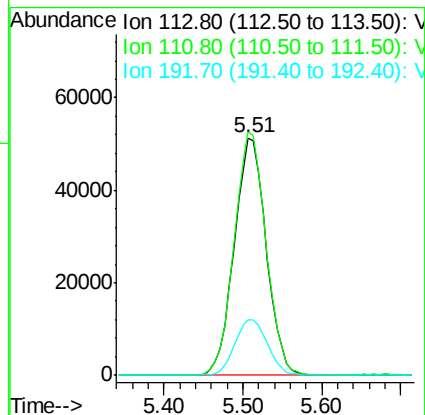
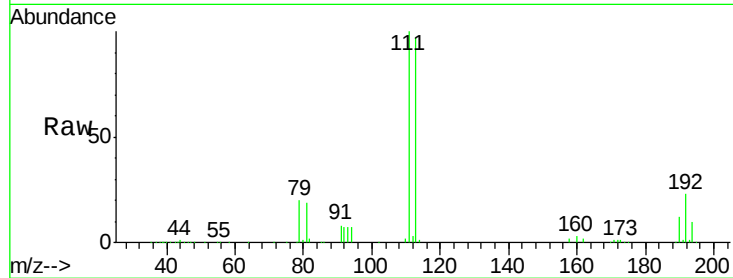
Tot Ion:113 Resp: 144557

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

192 24.2 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.32 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

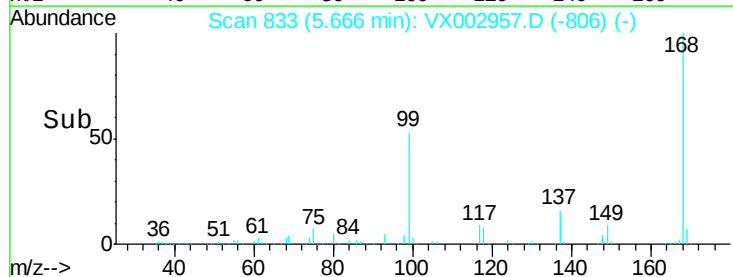
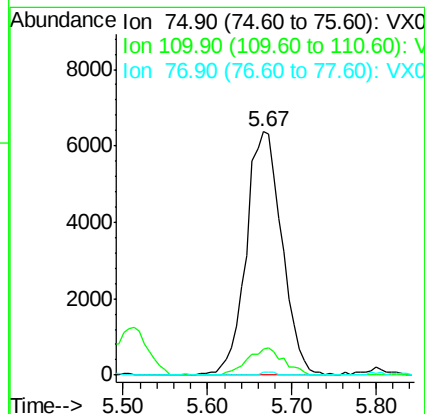
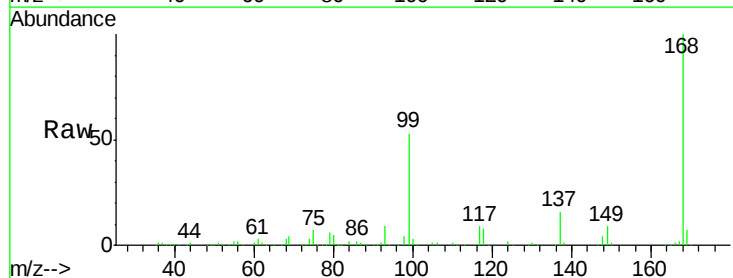
Tgt Ion: 75 Resp: 18226

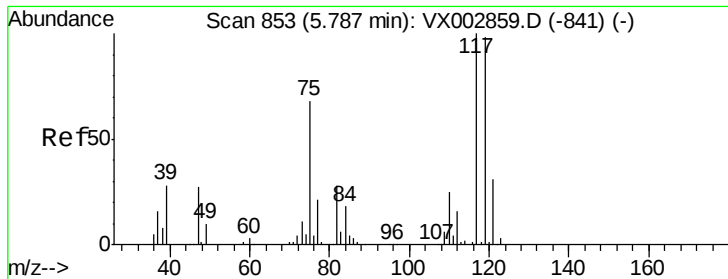
Ion Ratio Lower Upper

75 100

110 11.4 18.1 54.4#

77 0.4 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.40 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

Instrument :

MSVOA_X

ClientSampleId :

S83-0018

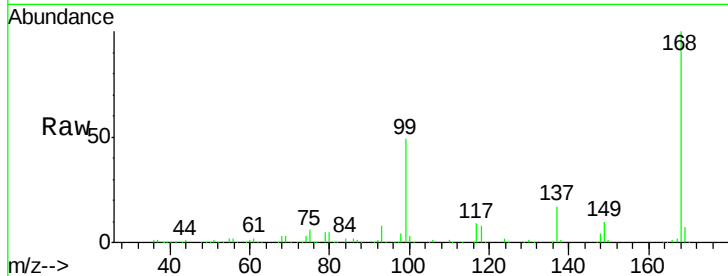
Tot Ion:117 Resp: 24983

Ion Ratio Lower Upper

117 100

119 4.7 77.4 116.0#

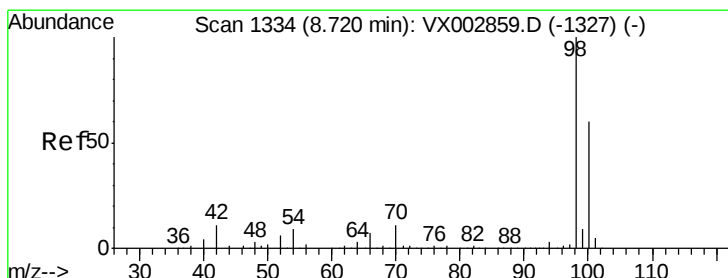
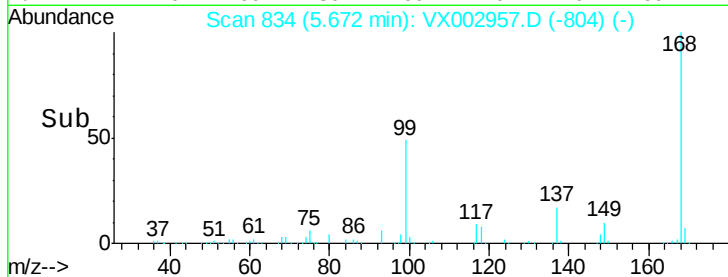
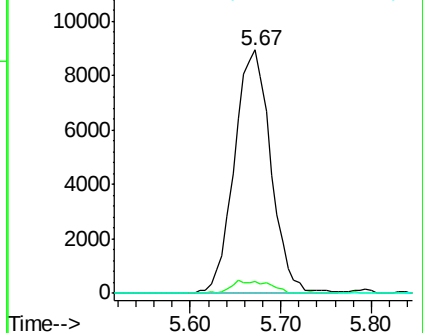
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 48.35 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002957.D

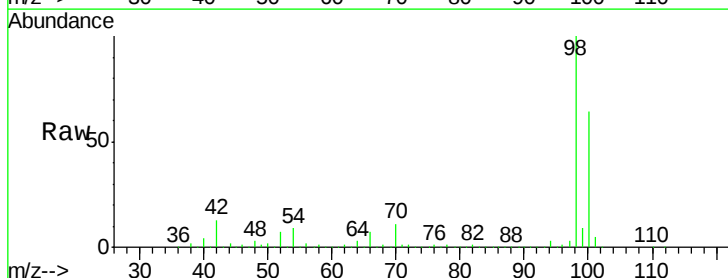
Acq: 28 Jun 2018 01:20

Tgt Ion: 98 Resp: 537338

Ion Ratio Lower Upper

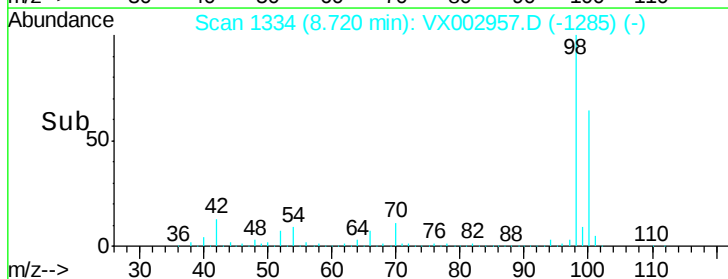
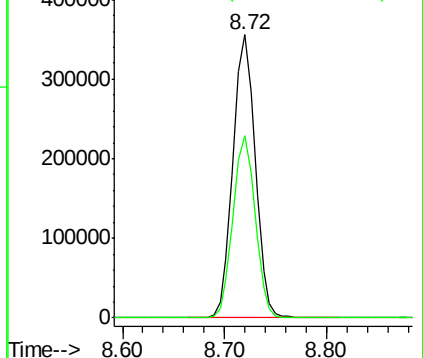
98 100

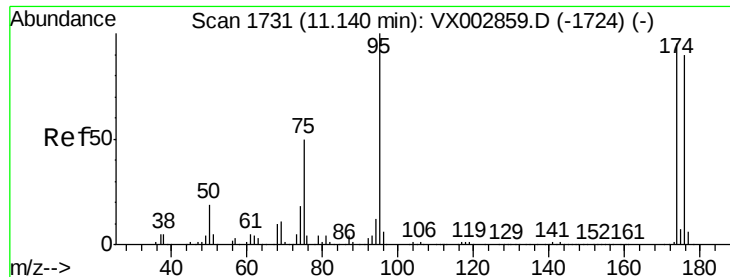
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

Instrument :

MSVOA_X

ClientSampled :

S83-0018

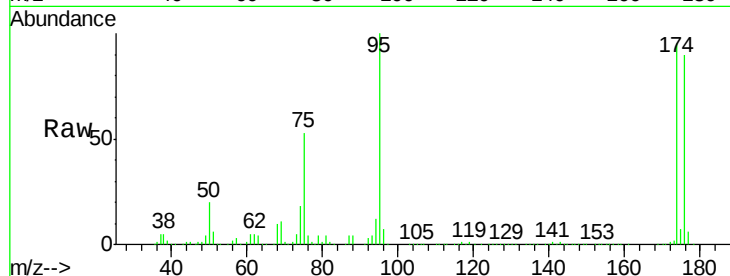
Tot Ion: 95 Resp: 190538

Ion Ratio Lower Upper

95 100

174 97.1 0.0 187.4

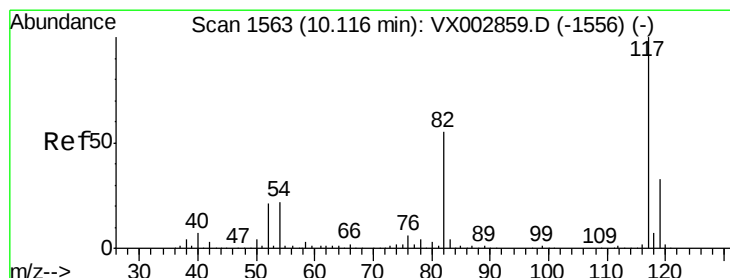
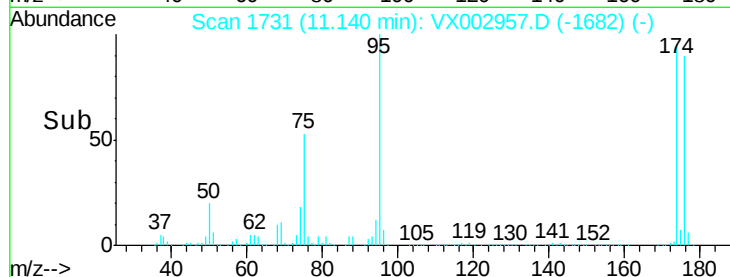
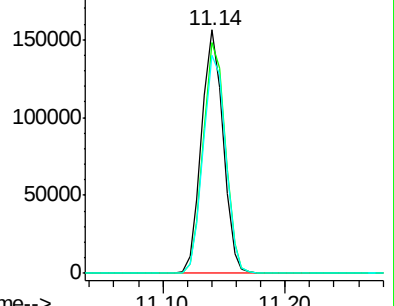
176 93.0 0.0 181.0



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: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

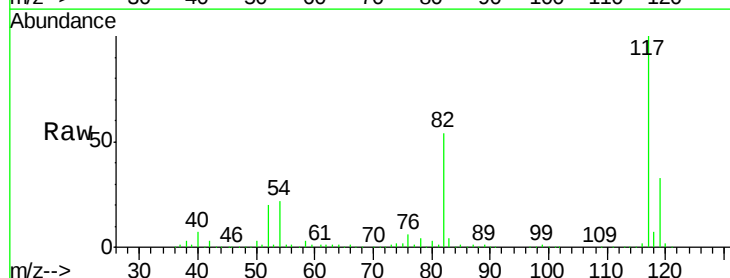
Tgt Ion: 117 Resp: 351948

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.4

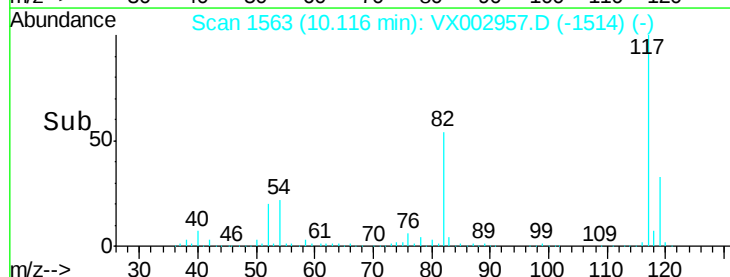
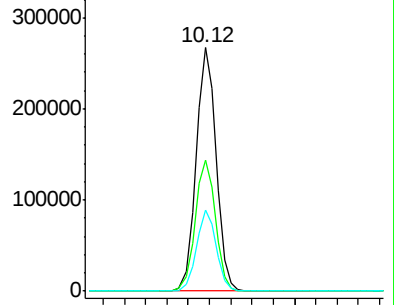
119 33.2 25.8 38.6

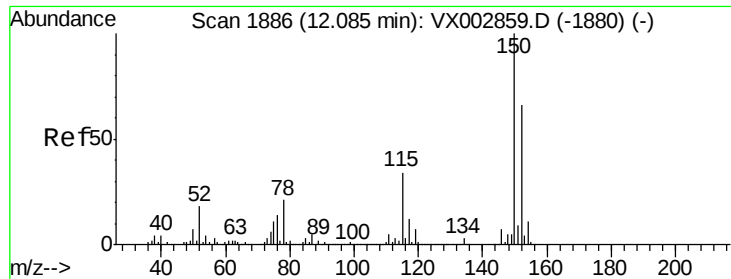


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

Instrument :

MSVOA_X

ClientSampleId :

S83-0018

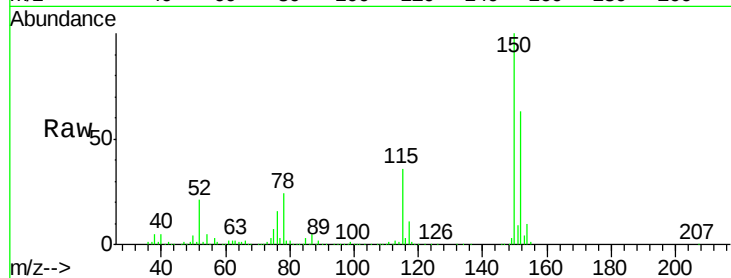
Tot Ion:152 Resp: 200943

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

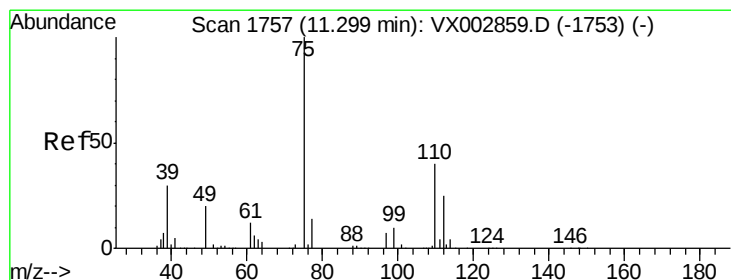
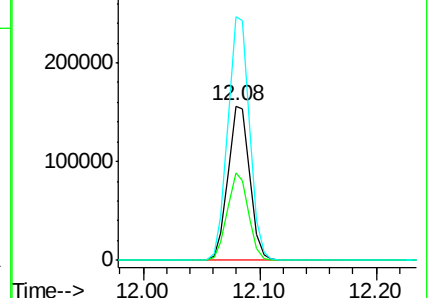
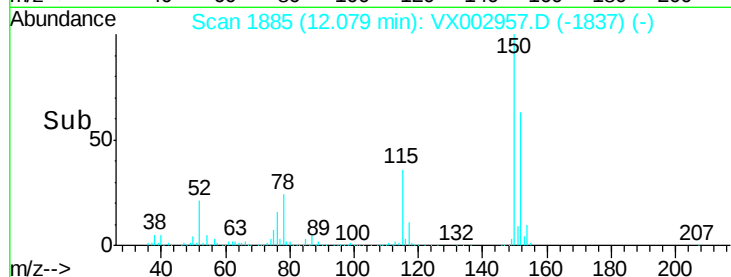
150 157.5 0.0 347.2



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: 27.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002957.D

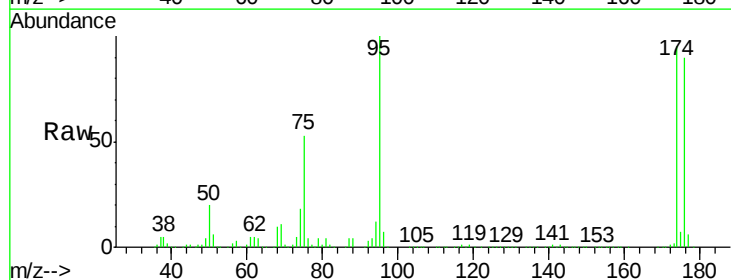
Acq: 28 Jun 2018 01:20

Tgt Ion: 75 Resp: 99720

Ion Ratio Lower Upper

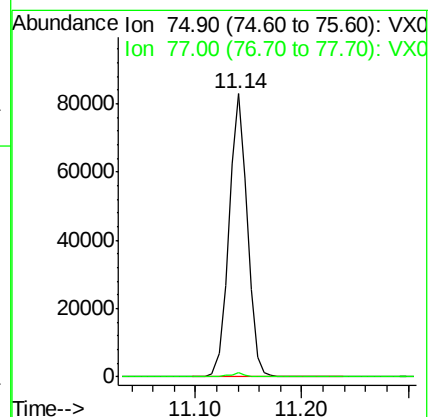
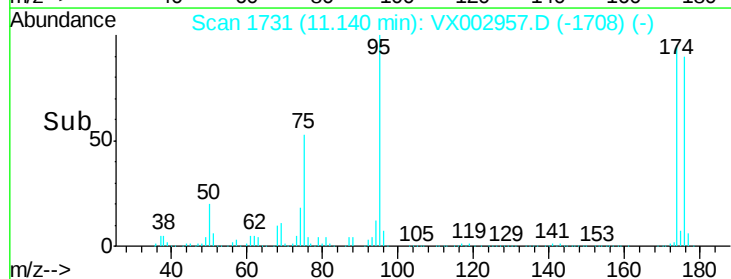
75 100

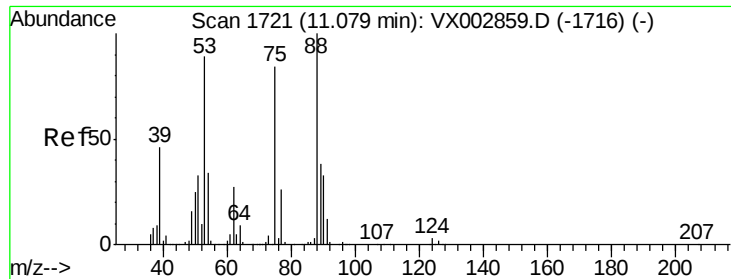
77 1.3 22.8 68.3#



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: 77.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002957.D

Acq: 28 Jun 2018 01:20

Instrument :

MSVOA_X

ClientSampleId :

S83-0018

Tot Ion: 75 Resp: 99720

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

