

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004062.D
 Acq On : 15 Aug 2018 07:00
 Operator : JC/MD
 Sample : J4439-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB6-SRI3

Quant Time: Aug 15 09:41:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	401882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	378135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206373	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	192568	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
35) Dibromofluoromethane	5.50	113	156543	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
50) Toluene-d8	8.72	98	573936	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.14	95	194297	43.93	ug/l	0.00
Spiked Amount			Recovery	=	87.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	765	0.276	ug/l	94
6) Chloroethane	1.65	64	4378	0.231	ug/l #	56
10) Methyl Iodide	2.52	142	323	5.104	ug/l #	76
11) Tert butyl alcohol	3.03	59	542	0.743	ug/l #	83
13) Acrolein	2.40	56	25	10.997	ug/l #	15
16) Acetone	2.44	43	4068	2.159	ug/l	97
20) Methylene Chloride	2.86	84	1043	Below Cal	#	87
25) 2-Butanone	4.70	43	1217	0.397	ug/l	96
29) Tetrahydrofuran	5.15	42	629	0.402	ug/l #	45
31) Cyclohexane	5.67	56	4969	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17890	3.912	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22623	5.092	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	94244	22.772	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	94244	70.491	ug/l #	9
95) Naphthalene	13.83	128	376	1.170	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

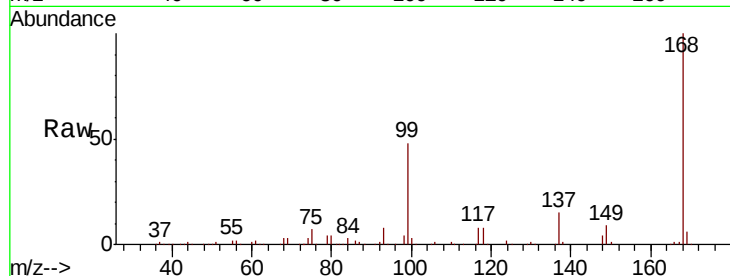
RB6-SRI3

Tgt Ion:168 Resp: 257169

Ion Ratio Lower Upper

168 100

99 47.9 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

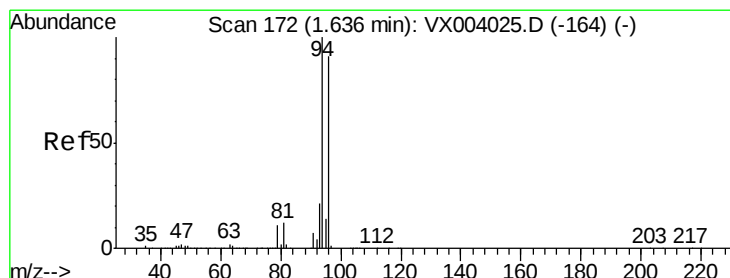
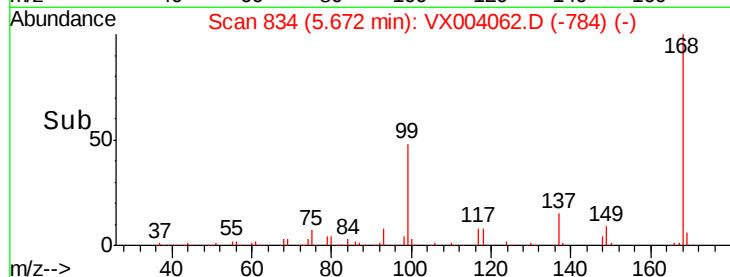
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.276 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004062.D

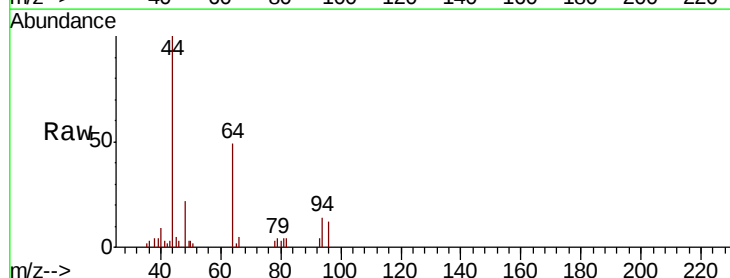
Acq: 15 Aug 2018 07:00

Tgt Ion: 94 Resp: 765

Ion Ratio Lower Upper

94 100

96 88.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

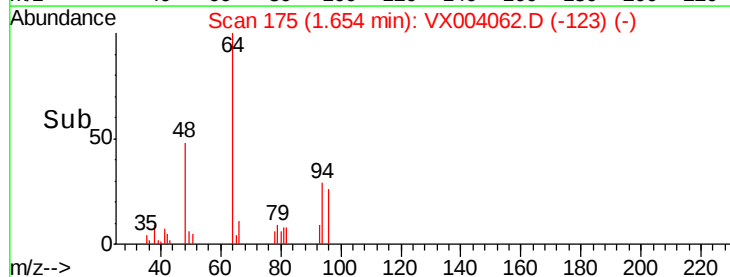
300

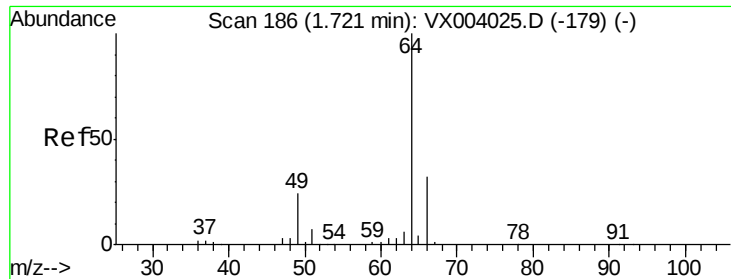
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.231 ug/l

RT: 1.65 min Scan# 175

Delta R.T. -0.07 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

Instrument :

MSVOA_X

ClientSampled :

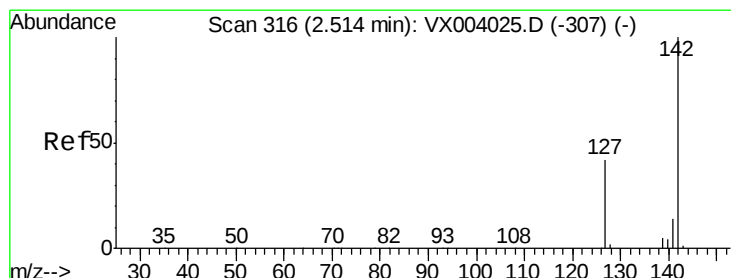
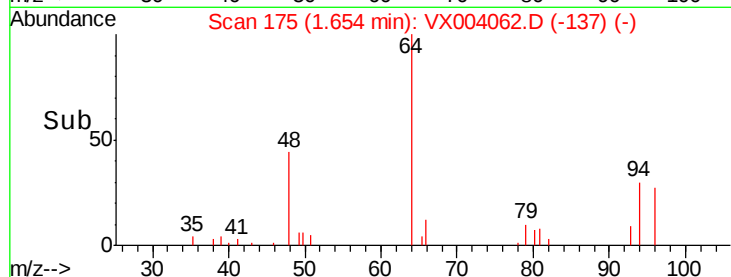
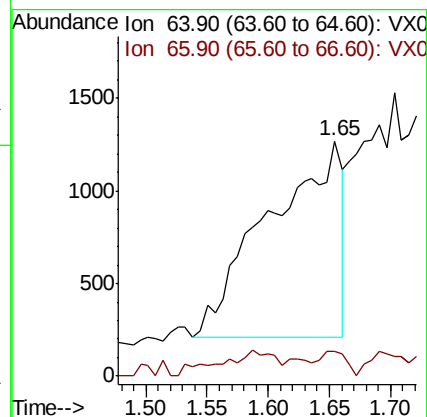
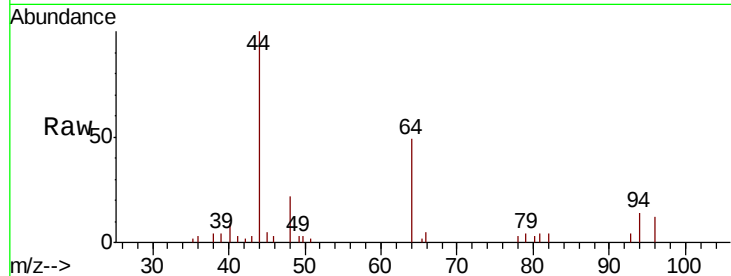
RB6-SRI3

Tgt Ion: 64 Resp: 4378

Ion Ratio Lower Upper

64 100

66 8.0 26.5 39.7#



#10

Methyl Iodide

Concen: 5.104 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

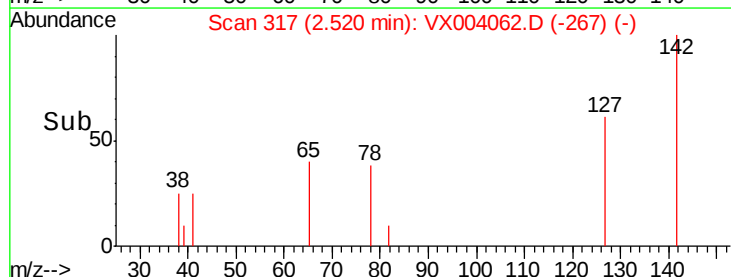
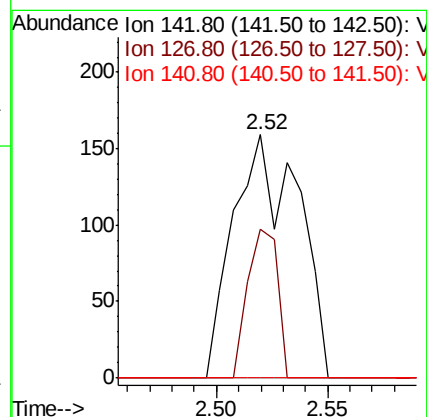
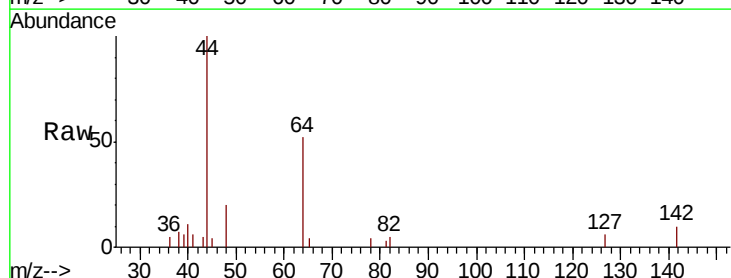
Tgt Ion: 142 Resp: 323

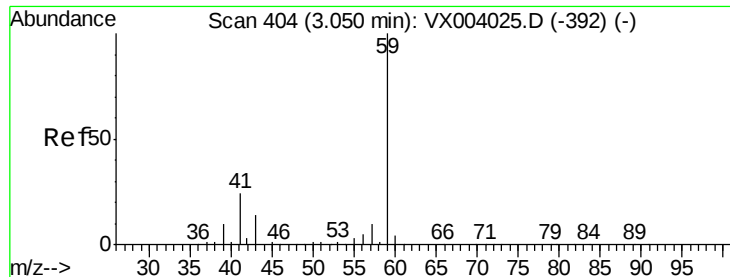
Ion Ratio Lower Upper

142 100

127 28.5 33.1 49.7#

141 0.0 11.1 16.7#

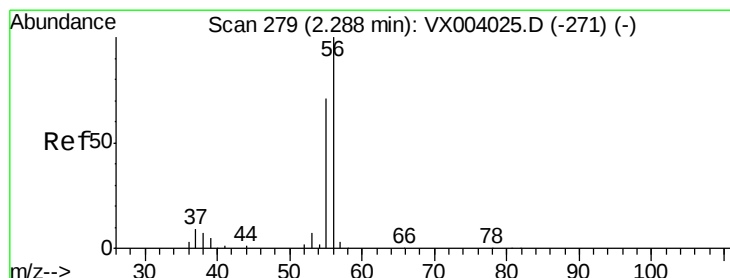
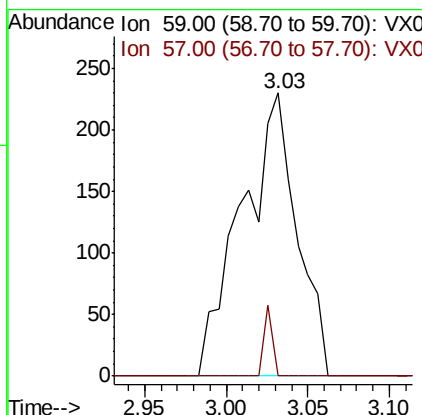
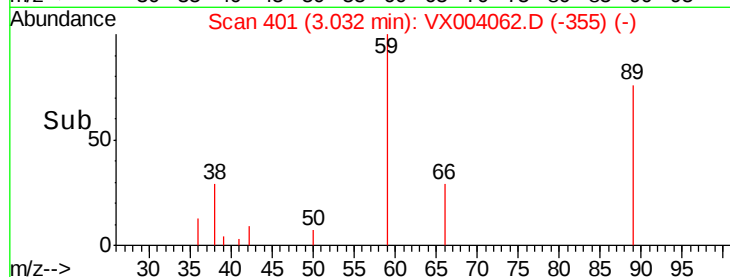
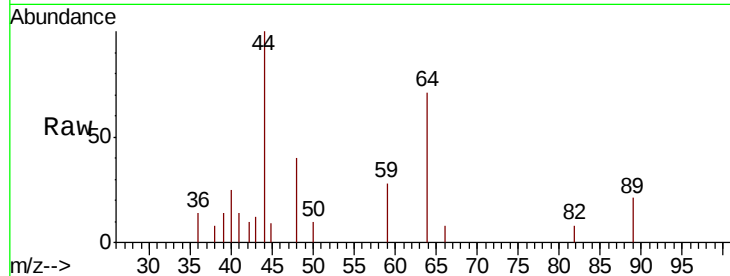




#11
Tert butyl alcohol
Concen: 0.743 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.02 min
Lab File: VX004062.D
Acq: 15 Aug 2018 07:00

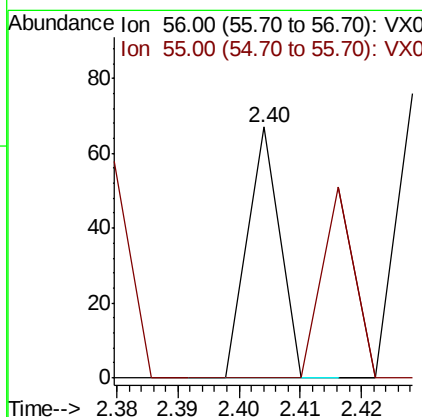
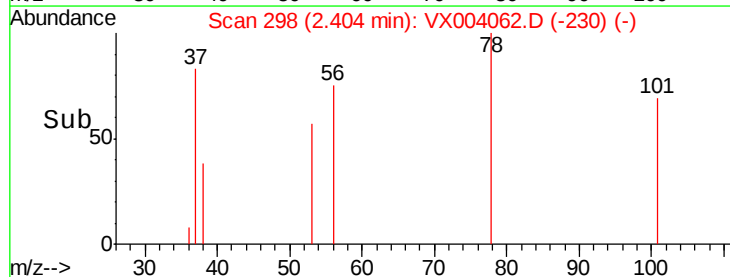
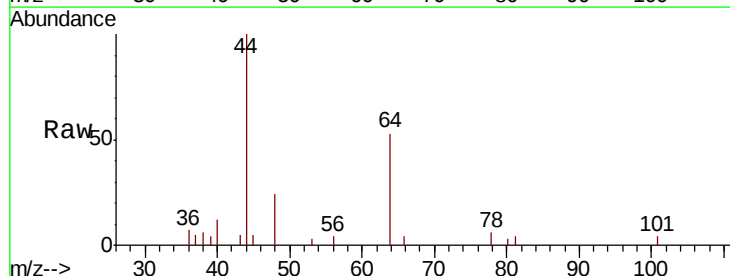
Instrument :
MSVOA_X
ClientSampled :
RB6-SRI3

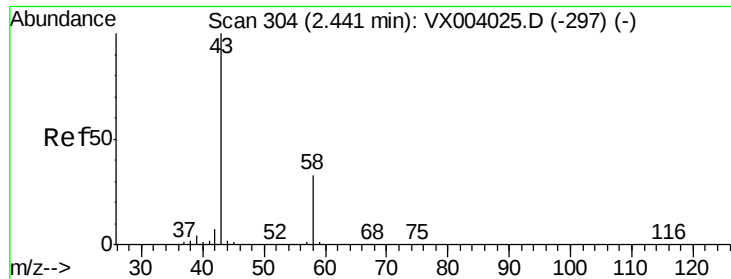
Tgt Ion: 59 Resp: 542
Ion Ratio Lower Upper
59 100
57 3.9 8.1 12.1#



#13
Acrolein
Concen: 10.997 ug/l
RT: 2.40 min Scan# 298
Delta R.T. 0.12 min
Lab File: VX004062.D
Acq: 15 Aug 2018 07:00

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#





#16

Acetone

Concen: 2.159 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

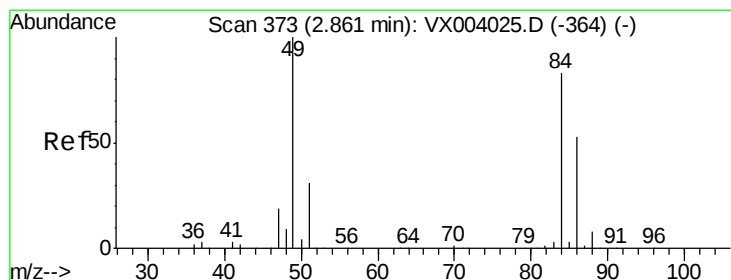
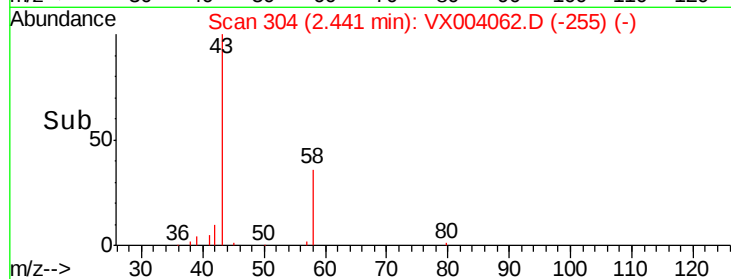
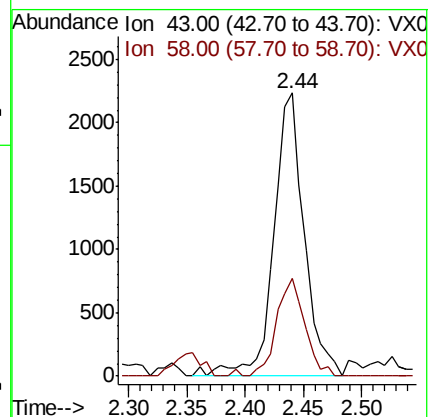
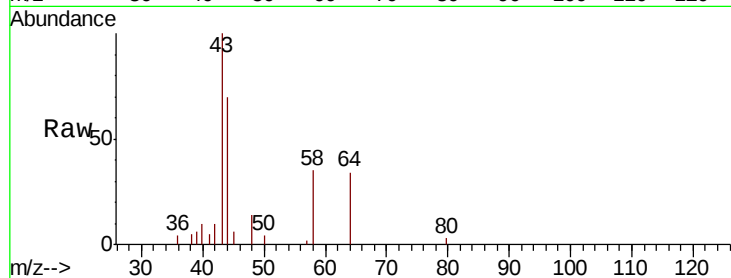
RB6-SRI3

Tgt Ion: 43 Resp: 4068

Ion Ratio Lower Upper

43 100

58 34.6 26.4 39.6



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

Tgt Ion: 84 Resp: 1043

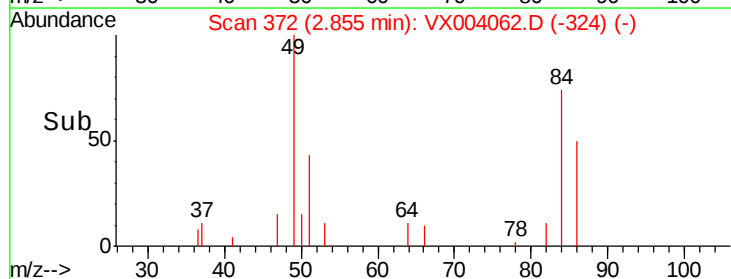
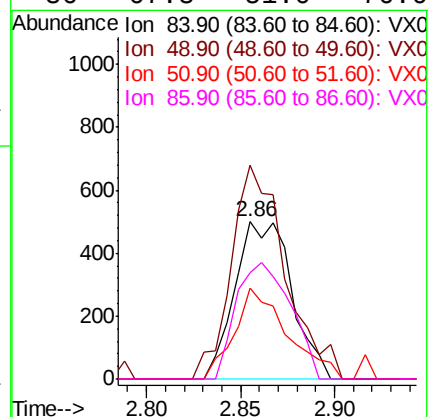
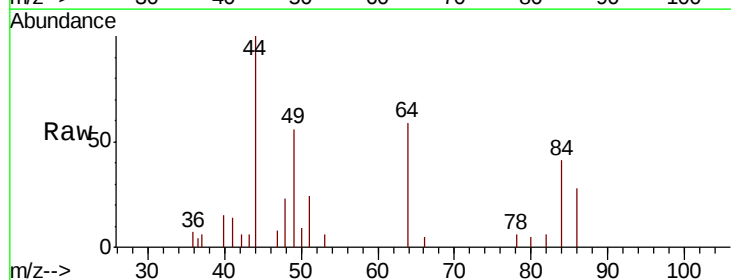
Ion Ratio Lower Upper

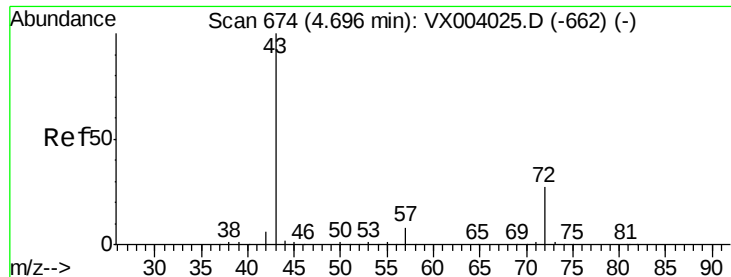
84 100

49 135.8 98.9 148.3

51 57.8 29.9 44.9#

86 67.8 51.0 76.6





#25

2-Butanone

Concen: 0.397 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

Instrument :

MSVOA_X

ClientSampled :

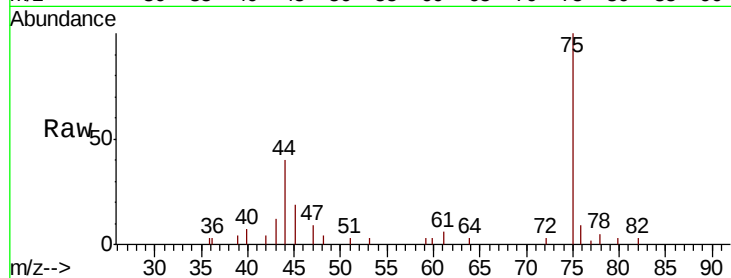
RB6-SRI3

Tgt Ion: 43 Resp: 1217

Ion Ratio Lower Upper

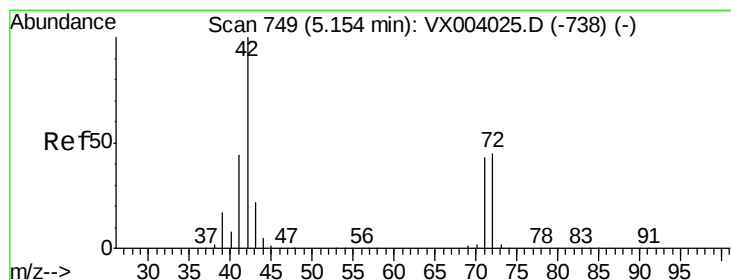
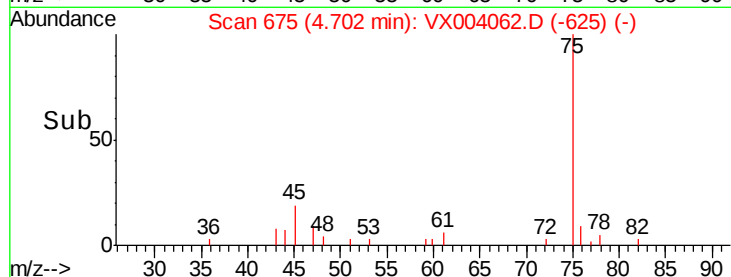
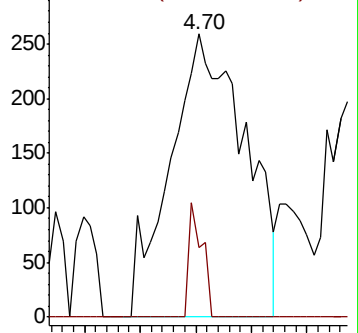
43 100

72 24.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.402 ug/l

RT: 5.15 min Scan# 748

Delta R.T. -0.01 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

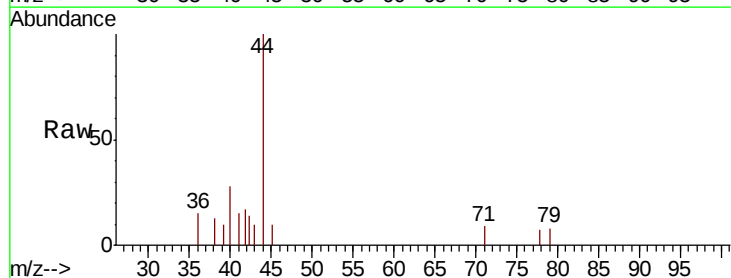
Tgt Ion: 42 Resp: 629

Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

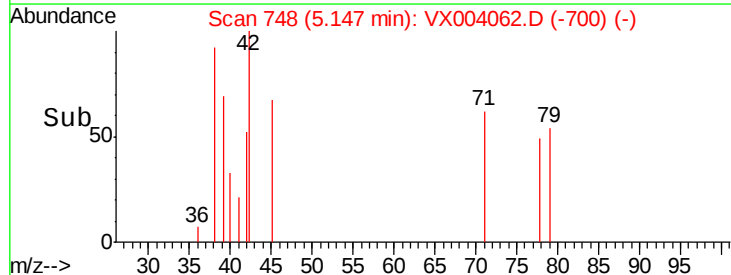
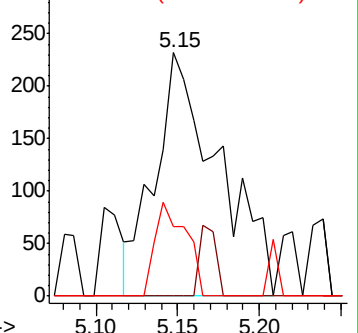
71 18.9 35.0 52.6#

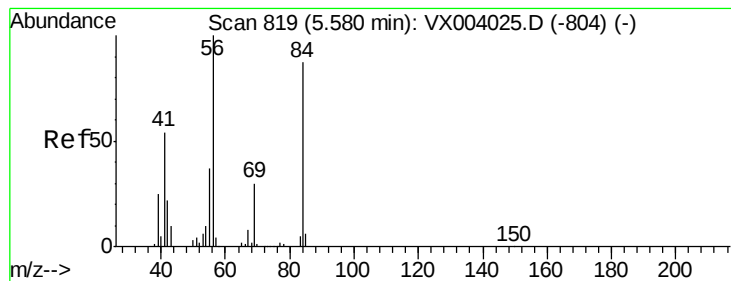


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.992 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

RB6-SRI3

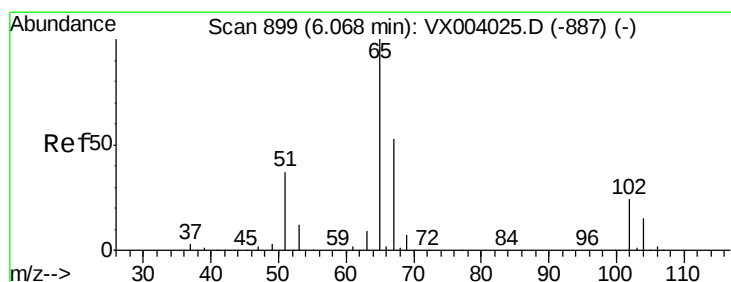
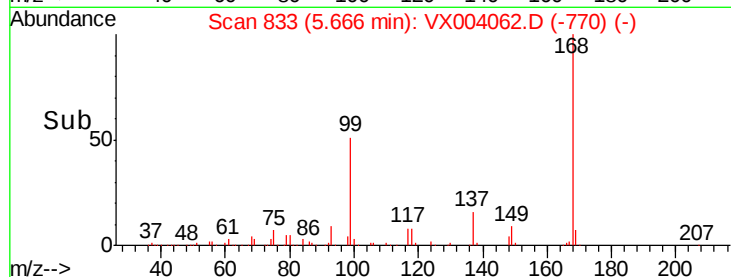
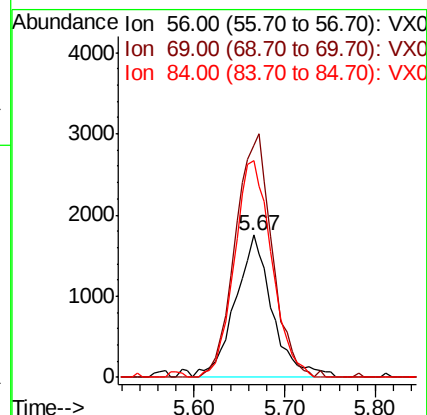
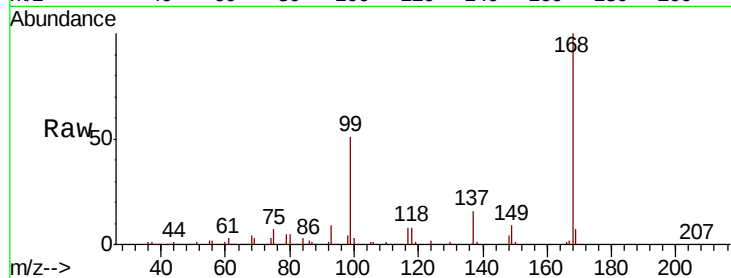
Tgt Ion: 56 Resp: 4969

Ion Ratio Lower Upper

56 100

69 163.8 24.9 37.3#

84 152.5 71.7 107.5#



#33

1,2-Dichloroethane-d4

Concen: 53.146 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004062.D

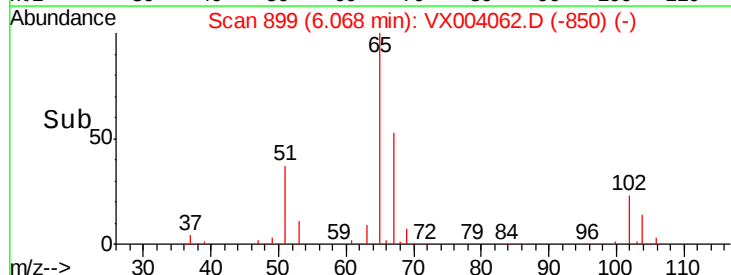
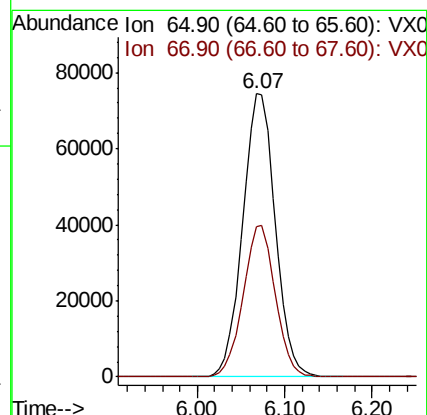
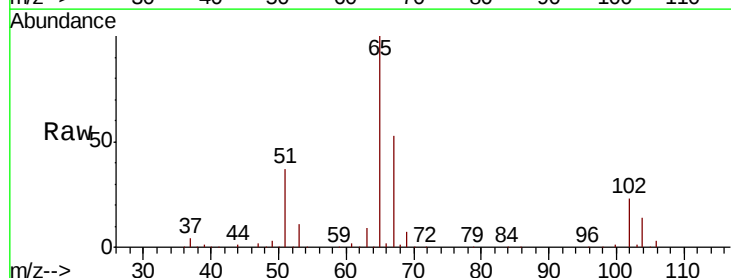
Acq: 15 Aug 2018 07:00

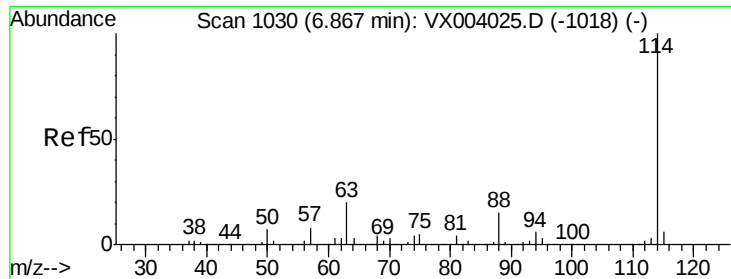
Tgt Ion: 65 Resp: 192568

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8

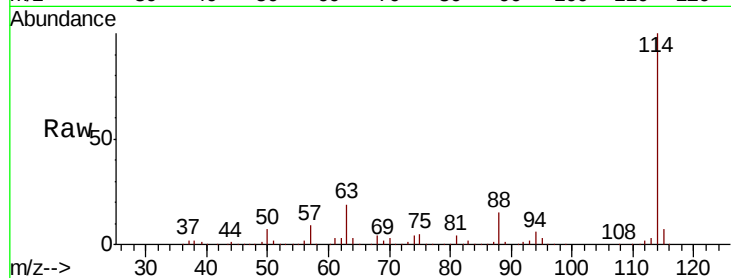




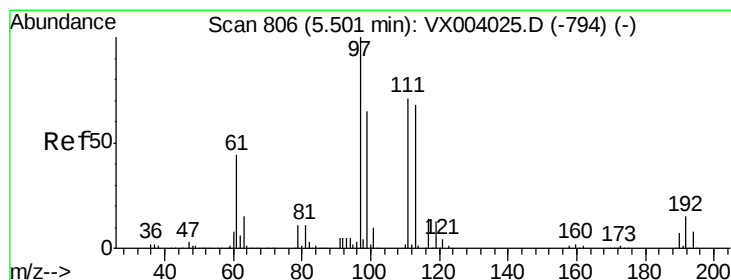
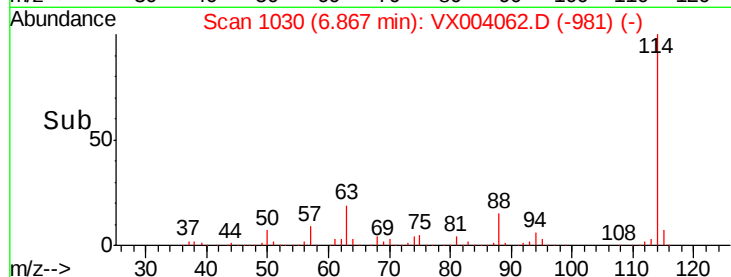
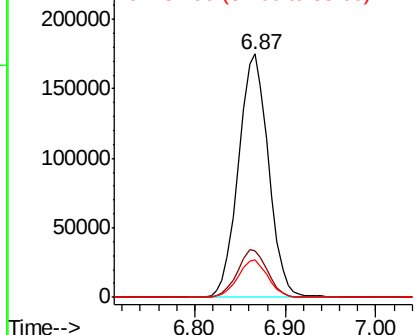
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004062.D
 Acq: 15 Aug 2018 07:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RB6-SRI3

Tgt Ion:114 Resp: 401882
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 15.5 0.0 32.0

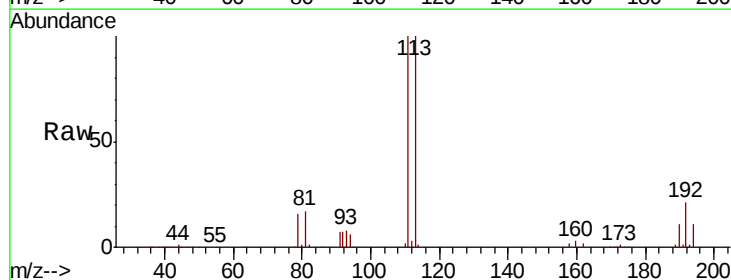


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

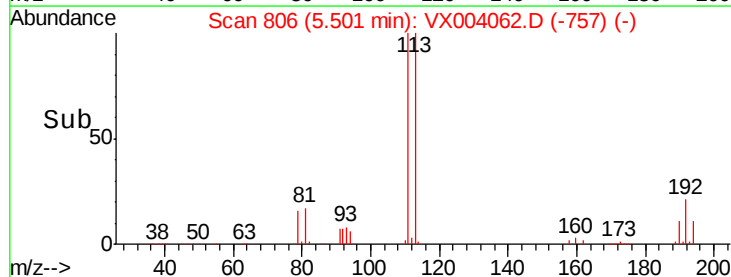
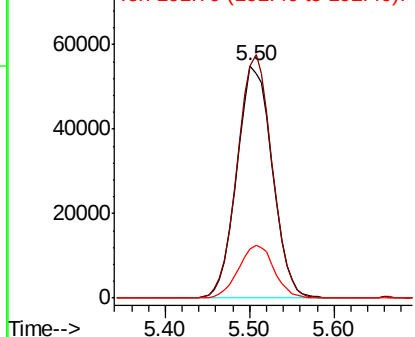


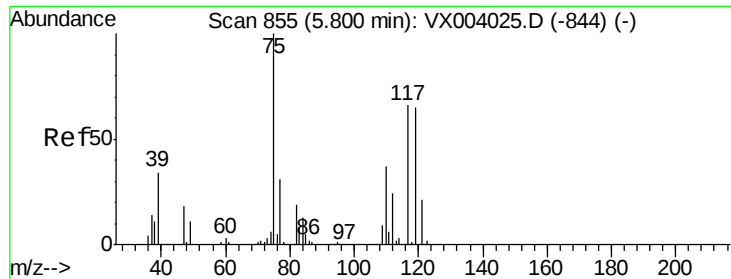
#35
 Dibromofluoromethane
 Concen: 52.046 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004062.D
 Acq: 15 Aug 2018 07:00

Tgt Ion:113 Resp: 156543
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.0 123.0
 192 22.6 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.912 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

Instrument :

MSVOA_X

ClientSampled :

RB6-SRI3

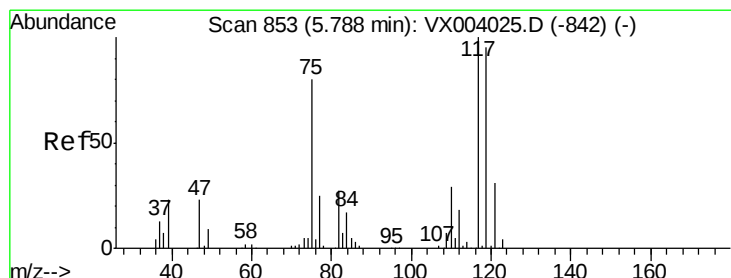
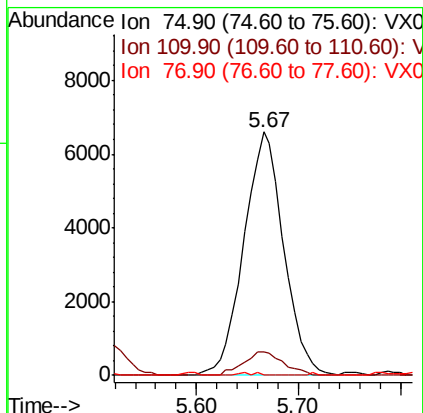
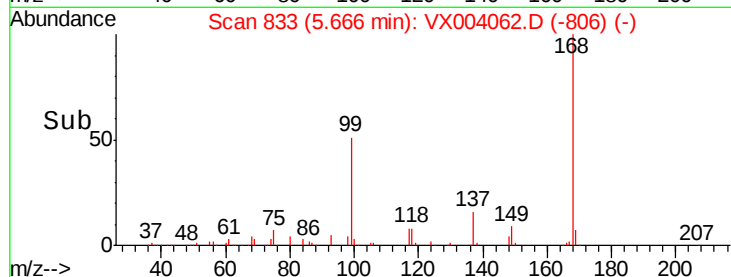
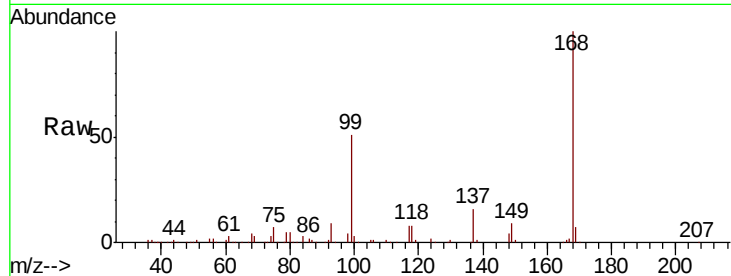
Tgt Ion: 75 Resp: 17890

Ion Ratio Lower Upper

75 100

110 9.7 18.2 54.6#

77 0.3 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.092 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.13 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

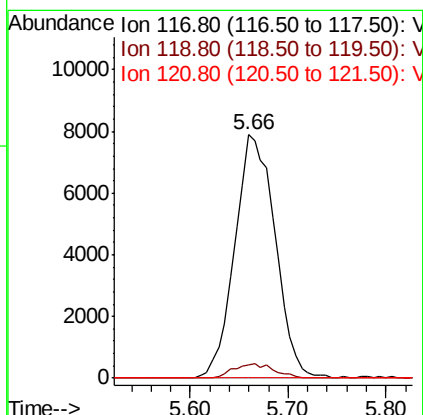
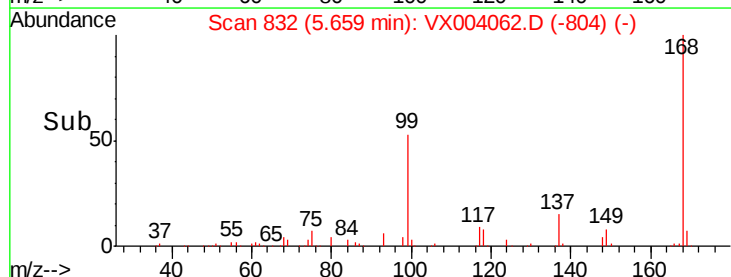
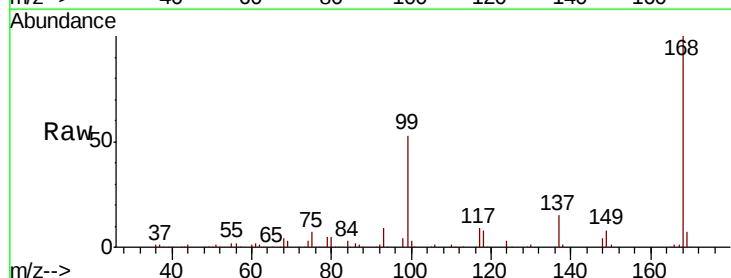
Tgt Ion: 117 Resp: 22623

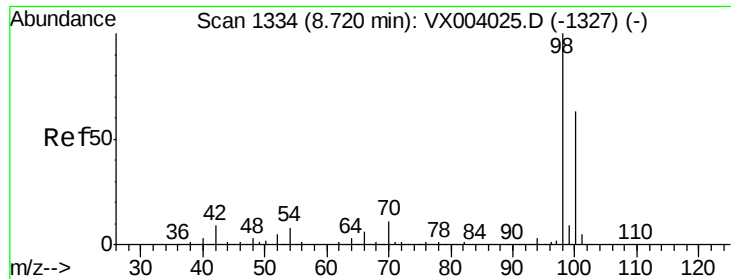
Ion Ratio Lower Upper

117 100

119 5.3 79.5 119.3#

121 0.0 25.0 37.4#

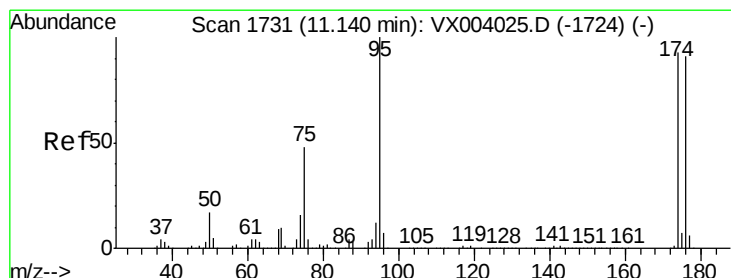
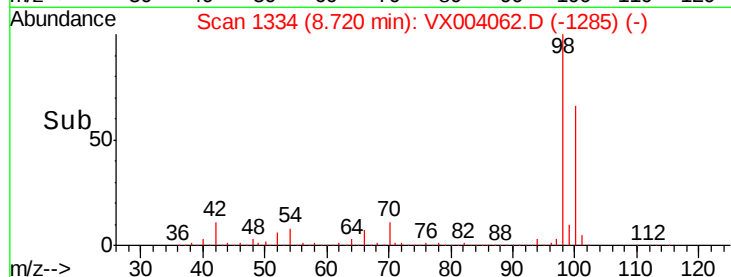
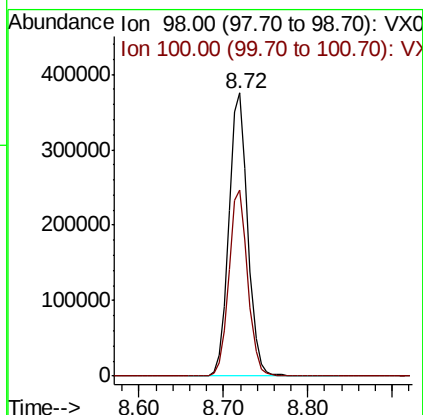
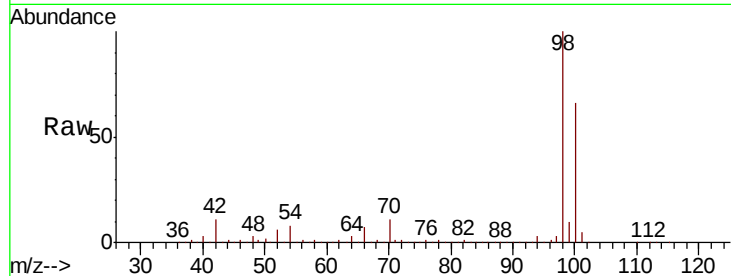




#50
Toluene-d8
Concen: 47.064 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004062.D
Acq: 15 Aug 2018 07:00

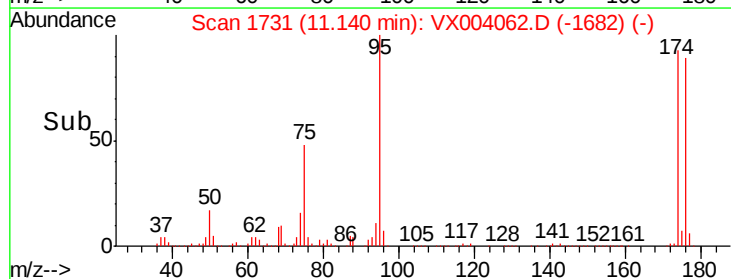
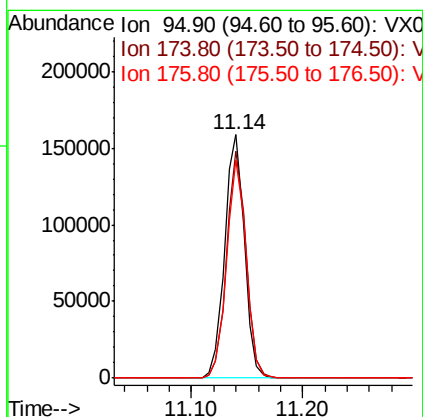
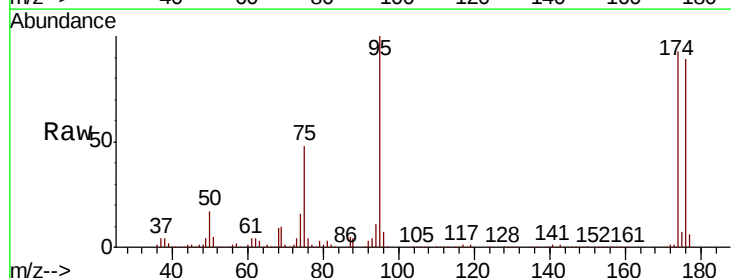
Instrument :
MSVOA_X
ClientSampleId :
RB6-SRI3

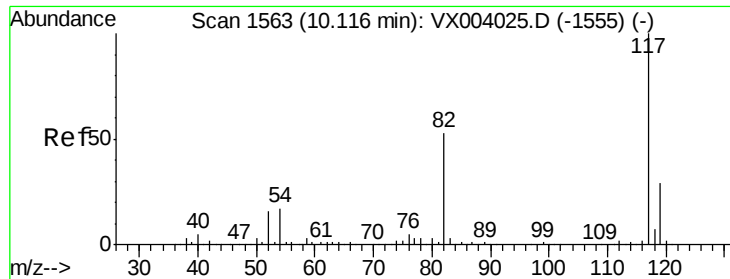
Tgt Ion: 98 Resp: 573936
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 43.929 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004062.D
Acq: 15 Aug 2018 07:00

Tgt Ion: 95 Resp: 194297
Ion Ratio Lower Upper
95 100
174 92.1 0.0 182.8
176 88.5 0.0 179.0

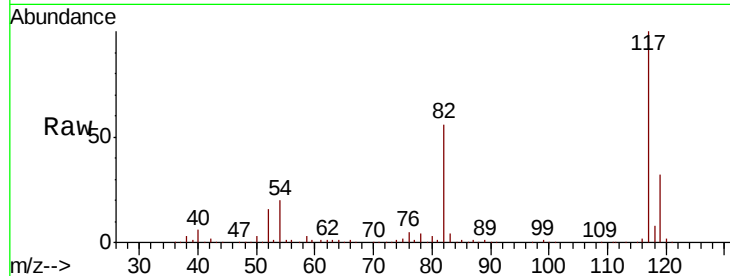




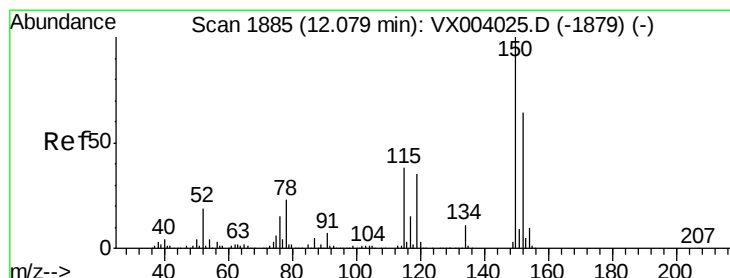
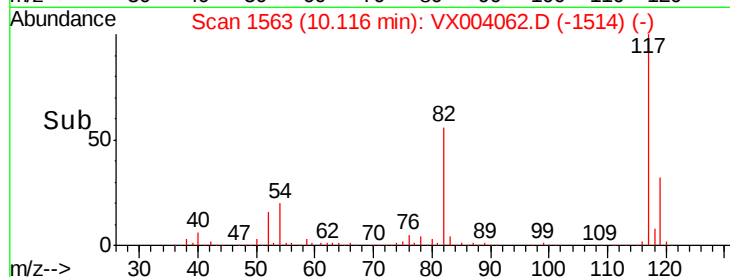
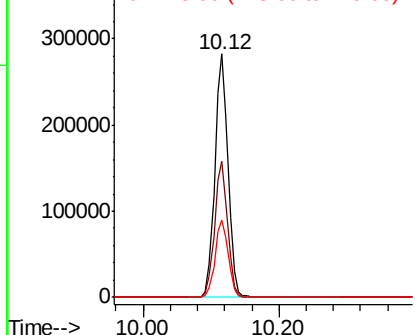
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004062.D
 Acq: 15 Aug 2018 07:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RB6-SRI3

Tgt Ion:117 Resp: 378135
 Ion Ratio Lower Upper
 117 100
 82 56.0 45.4 68.0
 119 31.9 26.6 40.0

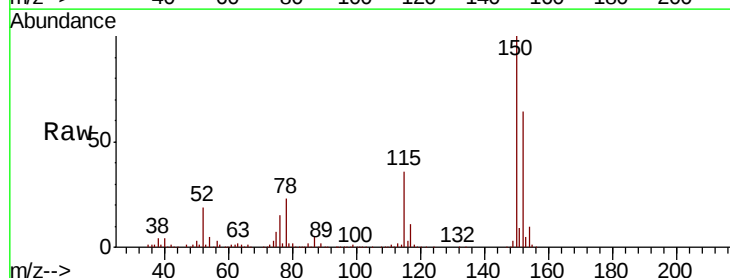


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

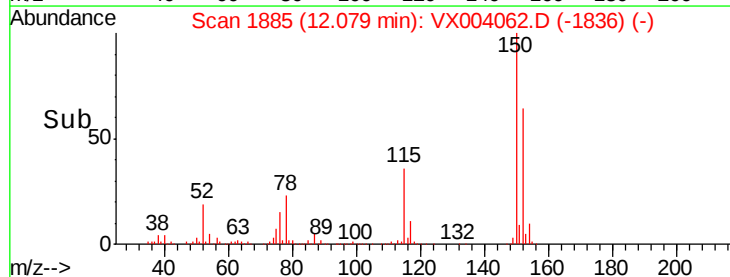
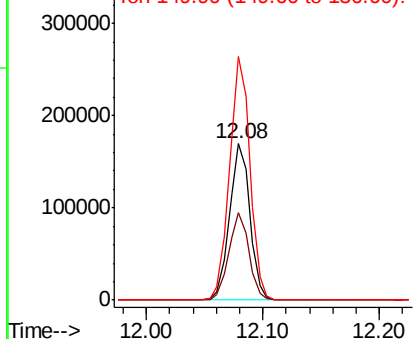


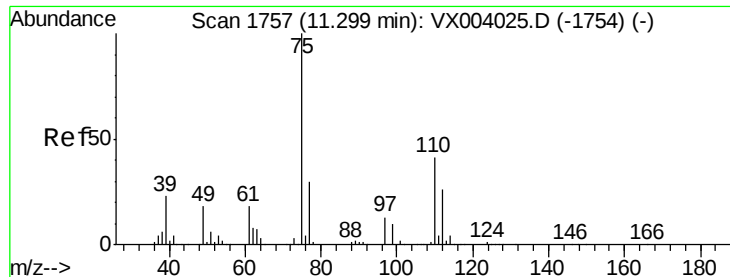
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX004062.D
 Acq: 15 Aug 2018 07:00

Tgt Ion:152 Resp: 206373
 Ion Ratio Lower Upper
 152 100
 115 54.9 39.1 117.3
 150 156.4 0.0 349.2



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: 22.772 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

Instrument :

MSVOA_X

ClientSampled :

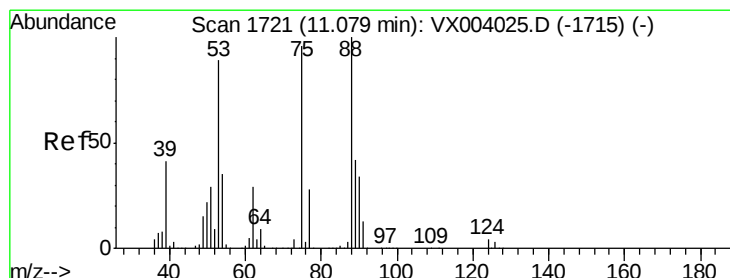
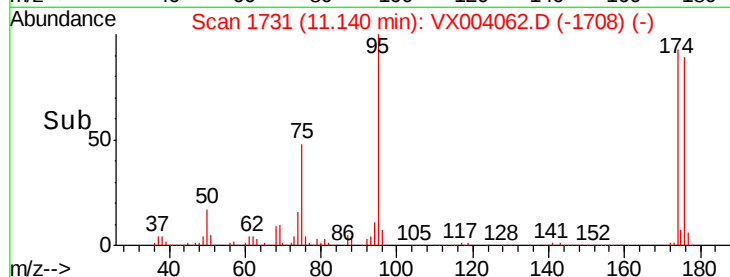
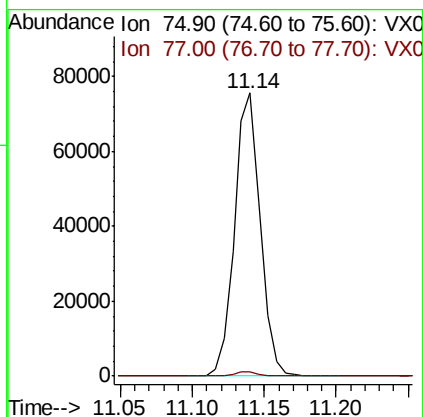
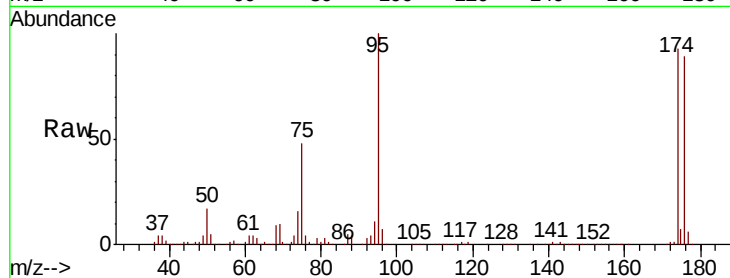
RB6-SRI3

Tgt Ion: 75 Resp: 94244

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.491 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

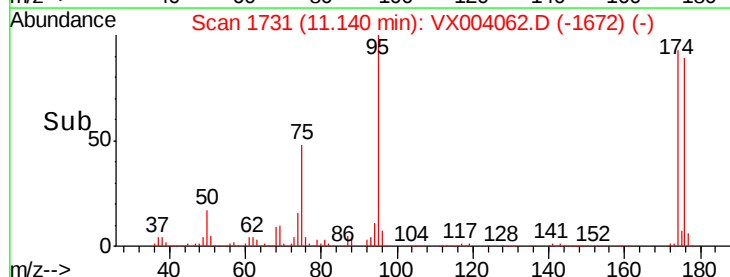
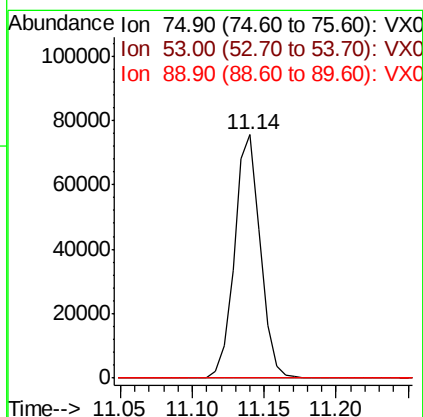
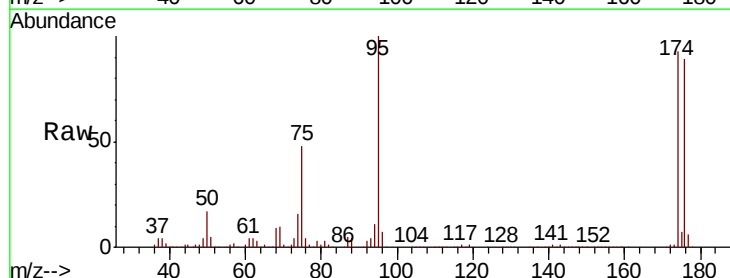
Tgt Ion: 75 Resp: 94244

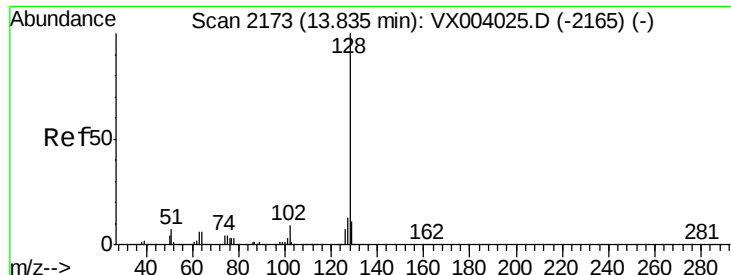
Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 1.170 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004062.D

Acq: 15 Aug 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

RB6-SRI3

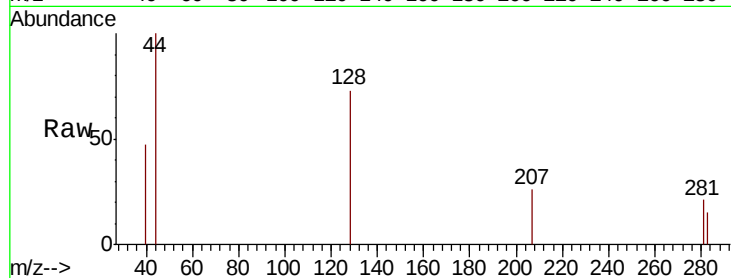
Tgt Ion:128 Resp: 376

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

