

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004038.D
 Acq On : 14 Aug 2018 18:37
 Operator : JC/MD
 Sample : J4438-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB1-SRI3

Quant Time: Aug 15 09:27:20 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	278244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	426891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	218169	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	195227	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	5.51	113	160731	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	8.72	98	605633	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
62) 4-Bromofluorobenzene	11.14	95	207481	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	

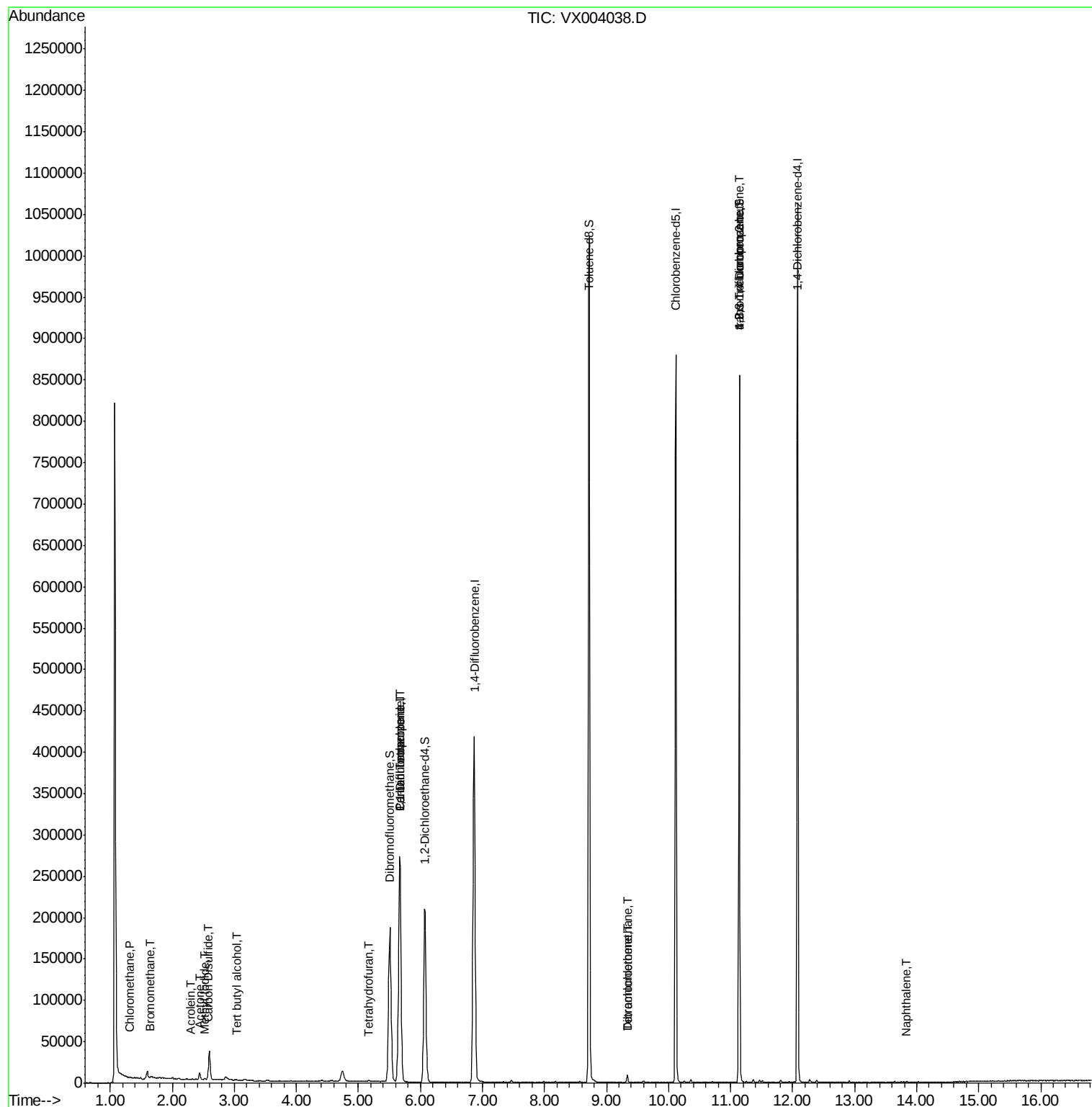
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	774	0.233	ug/l #	59
5) Bromomethane	1.65	94	1041	0.394	ug/l	89
6) Chloroethane	1.67	64	1067	Below Cal	#	42
10) Methyl Iodide	2.53	142	942	5.262	ug/l #	86
11) Tert butyl alcohol	3.04	59	800	1.013	ug/l	95
13) Acrolein	2.29	56	170	11.253	ug/l #	64
16) Acetone	2.43	43	8752	4.294	ug/l	94
17) Carbon Disulfide	2.57	76	3833	0.462	ug/l	98
20) Methylene Chloride	2.86	84	1710	Below Cal		91
29) Tetrahydrofuran	5.15	42	570	0.336	ug/l #	44
36) 1,1-Dichloropropene	5.67	75	18930	3.897	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25073	5.313	ug/l #	14
60) Dibromochloromethane	9.34	129	1365	0.372	ug/l #	11
64) Tetrachloroethene	9.34	164	1626	0.428	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	101993	23.312	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	101993	72.162	ug/l #	9
95) Naphthalene	13.83	128	1122	1.216	ug/l #	95

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

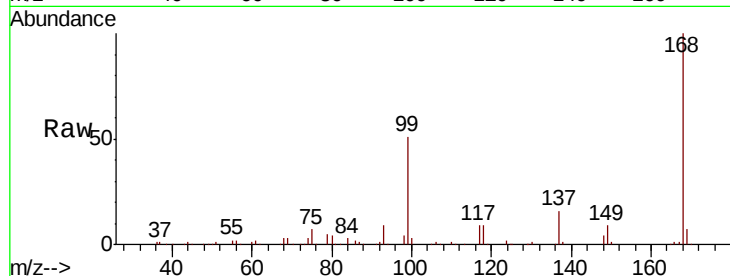
RB1-SRI3

Tgt Ion:168 Resp: 278244

Ion Ratio Lower Upper

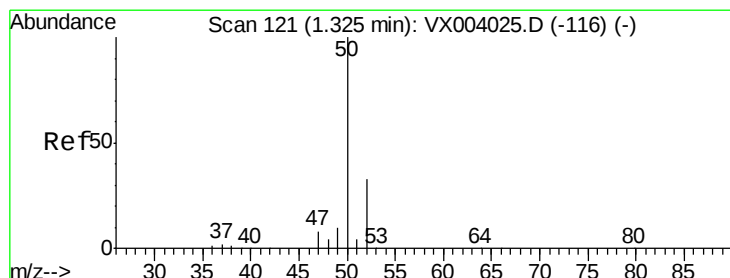
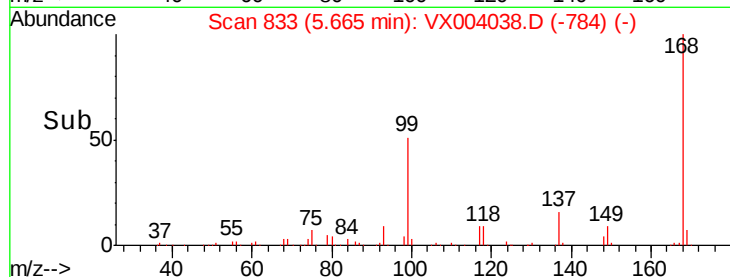
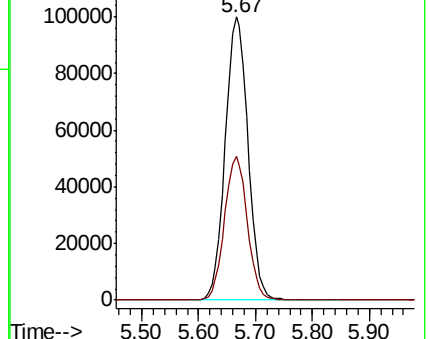
168 100

99 50.7 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004038.D

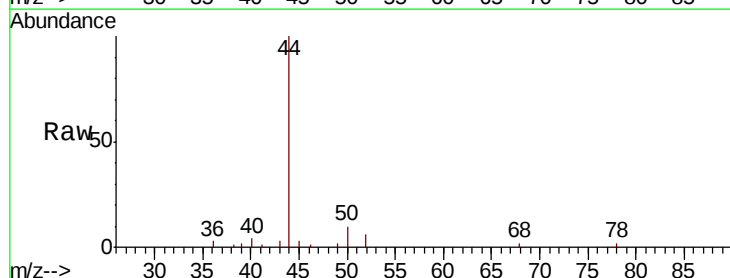
Acq: 14 Aug 2018 18:37

Tgt Ion: 50 Resp: 774

Ion Ratio Lower Upper

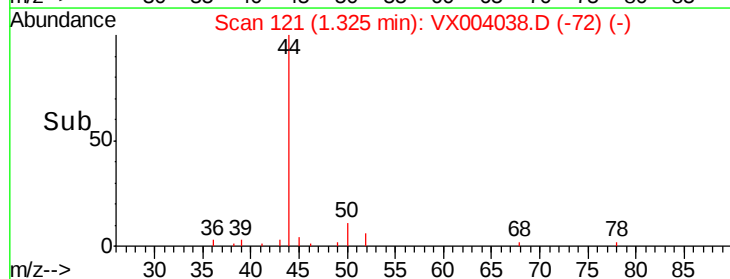
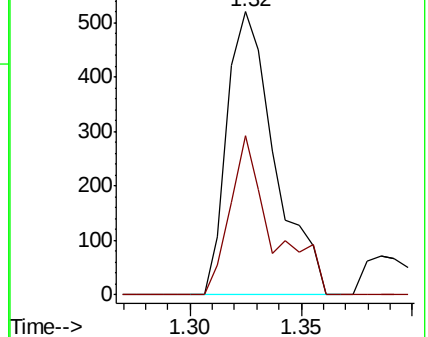
50 100

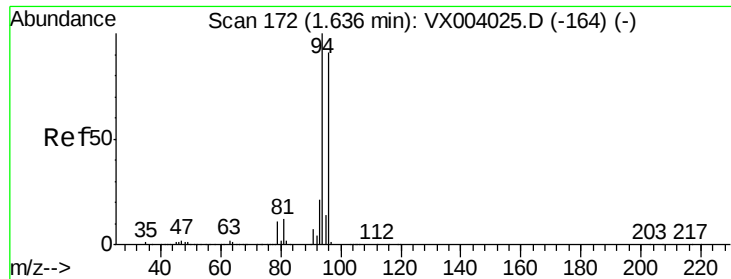
52 56.3 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.394 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampled :

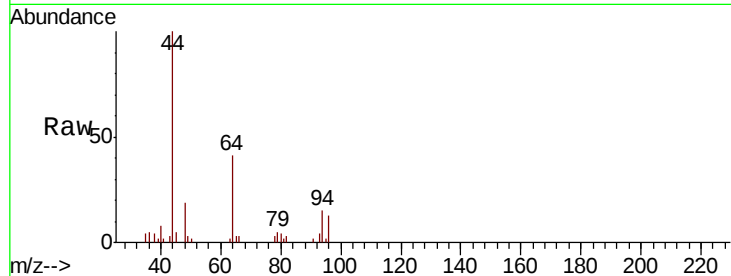
RB1-SRI3

Tgt Ion: 94 Resp: 1041

Ion Ratio Lower Upper

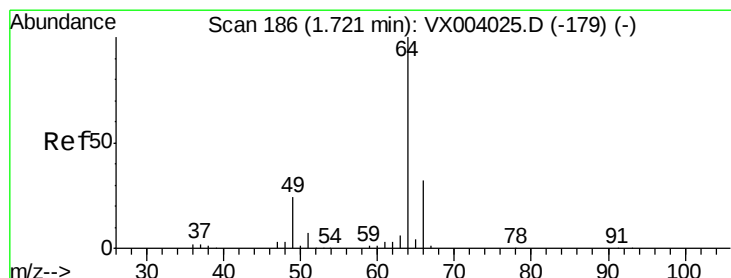
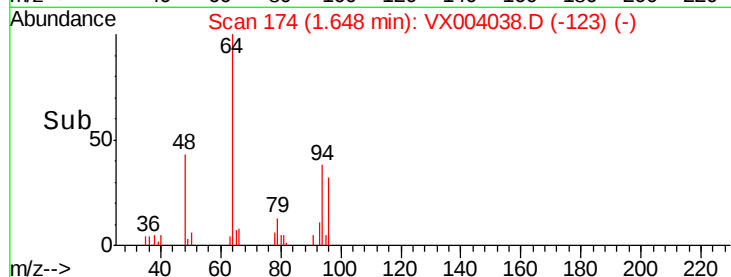
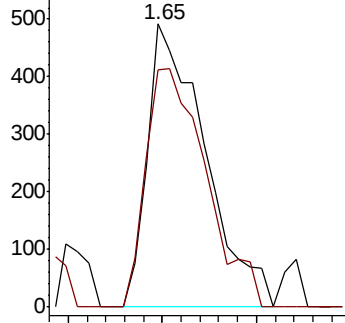
94 100

96 83.7 75.2 112.8



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: 1.67 min Scan# 177

Delta R.T. -0.05 min

Lab File: VX004038.D

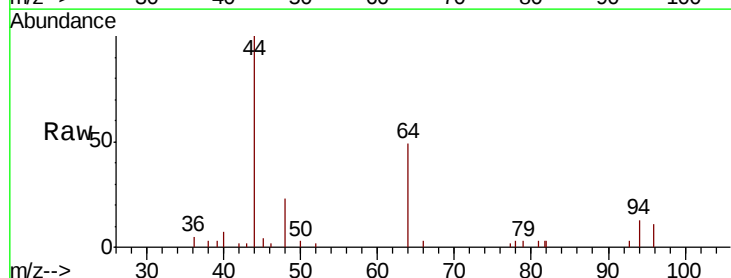
Acq: 14 Aug 2018 18:37

Tgt Ion: 64 Resp: 1067

Ion Ratio Lower Upper

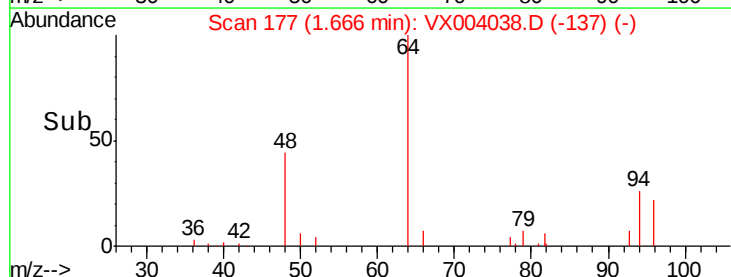
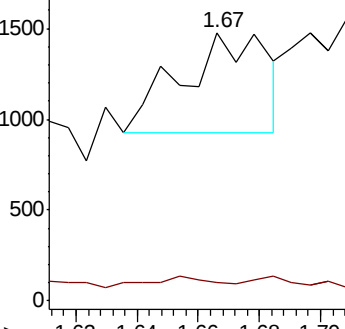
64 100

66 0.0 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

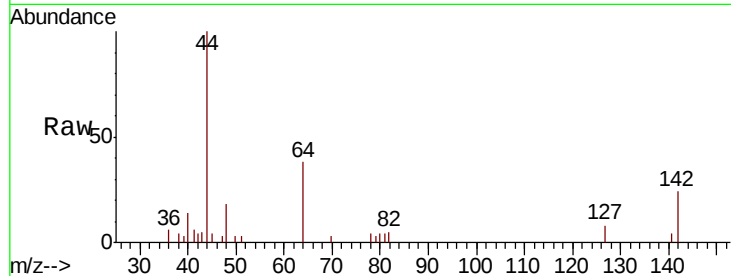




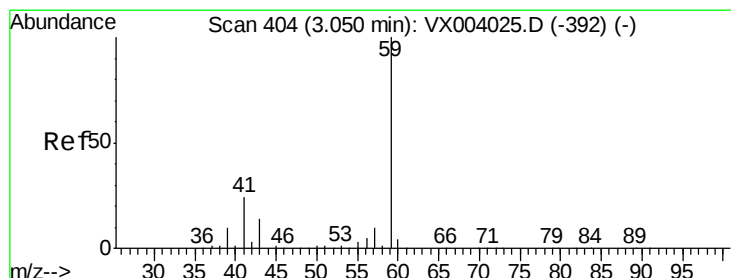
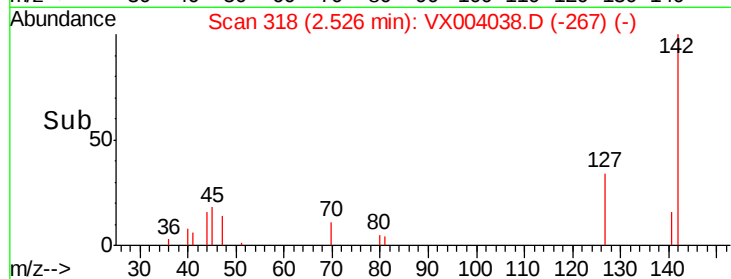
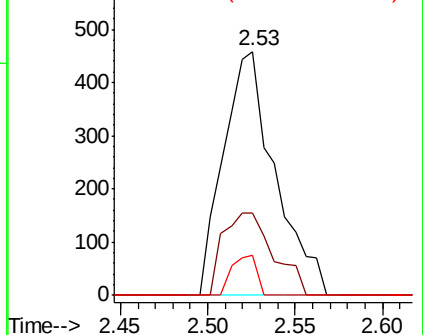
#10
Methyl Iodide
Concen: 5.262 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX004038.D
Acq: 14 Aug 2018 18:37

Instrument :
MSVOA_X
ClientSampleId :
RB1-SRI3

Tgt Ion: 142 Resp: 942
Ion Ratio Lower Upper
142 100
127 32.9 33.1 49.7#
141 7.9 11.1 16.7#

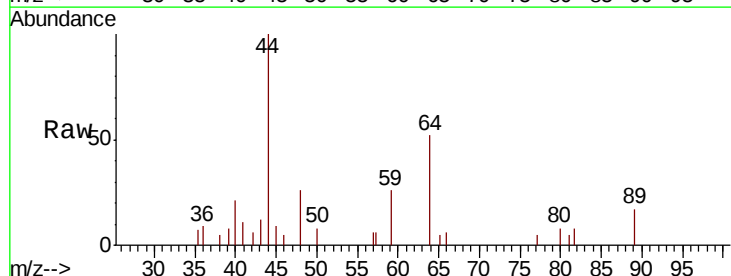


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

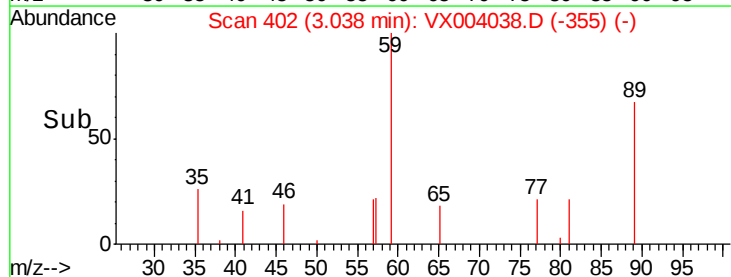
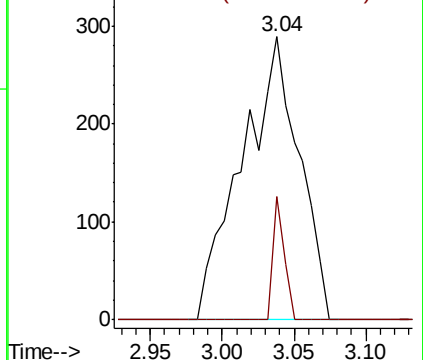


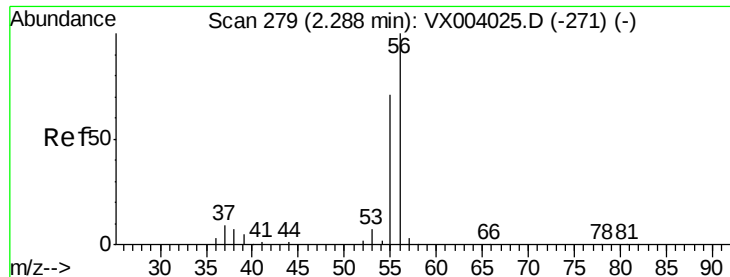
#11
Tert butyl alcohol
Concen: 1.013 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.01 min
Lab File: VX004038.D
Acq: 14 Aug 2018 18:37

Tgt Ion: 59 Resp: 800
Ion Ratio Lower Upper
59 100
57 8.4 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 11.253 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

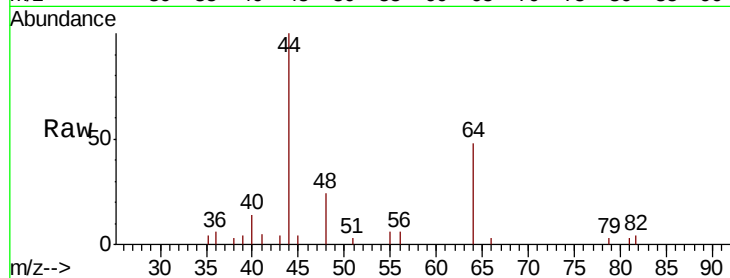
RB1-SRI3

Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

55 99.4 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

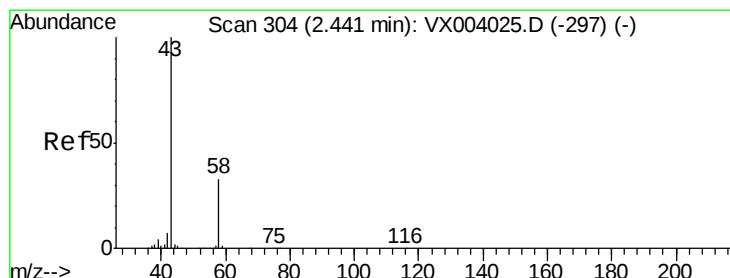
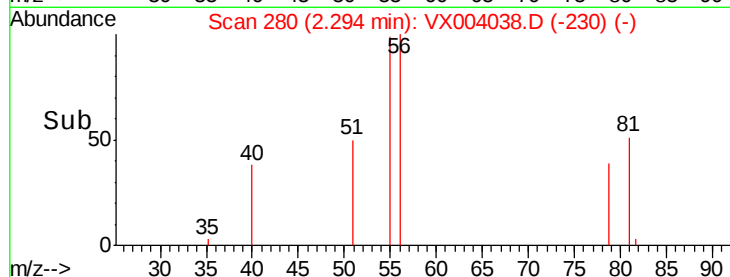
50

0

2.26 2.28 2.30 2.32

2.29

Time-->



#16

Acetone

Concen: 4.294 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004038.D

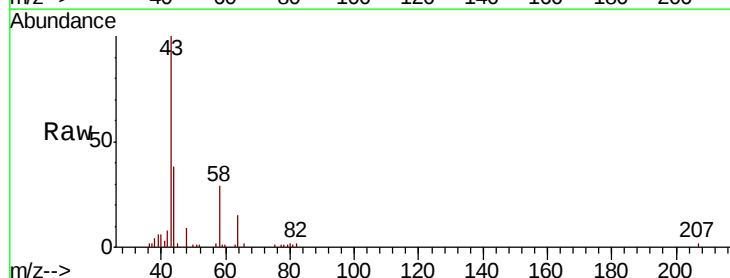
Acq: 14 Aug 2018 18:37

Tgt Ion: 43 Resp: 8752

Ion Ratio Lower Upper

43 100

58 29.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

5000

4000

3000

2000

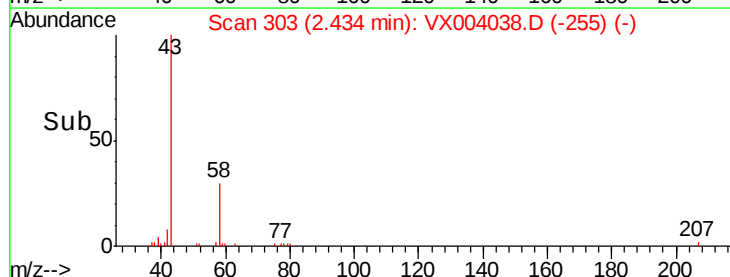
1000

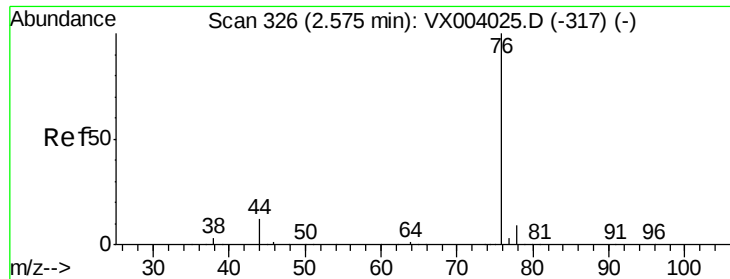
0

2.35 2.40 2.45 2.50

2.43

Time-->

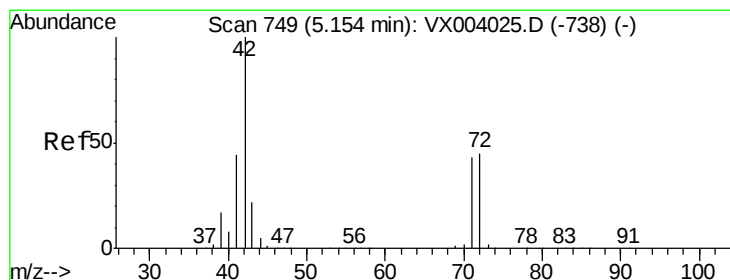
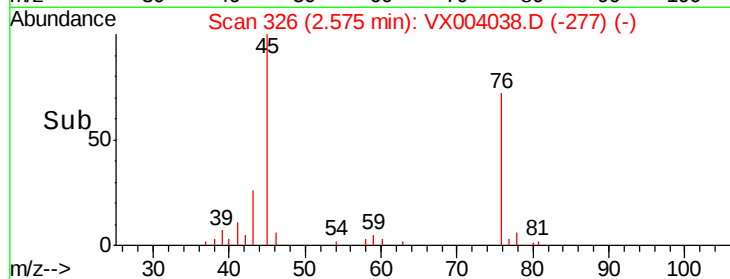
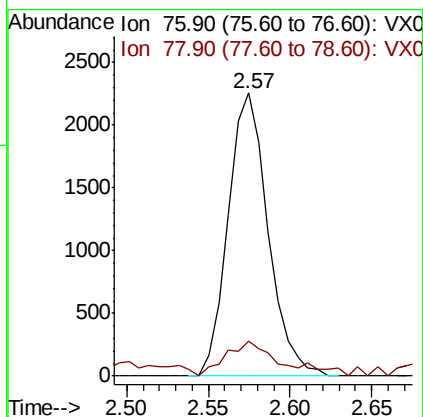
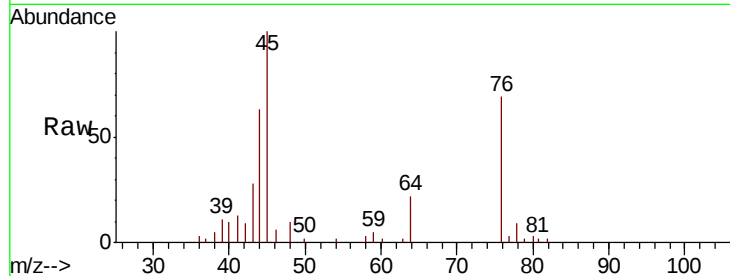




#17
Carbon Disulfide
Concen: 0.462 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004038.D
Acq: 14 Aug 2018 18:37

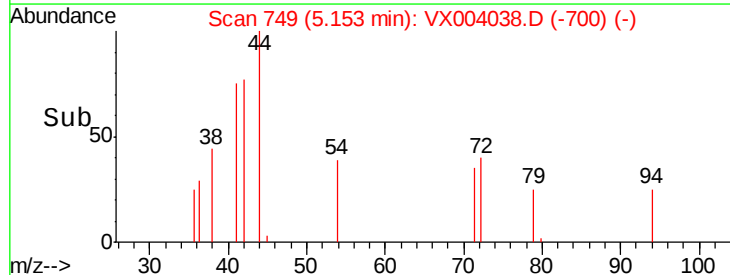
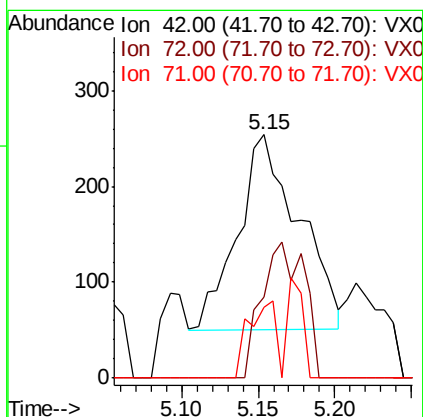
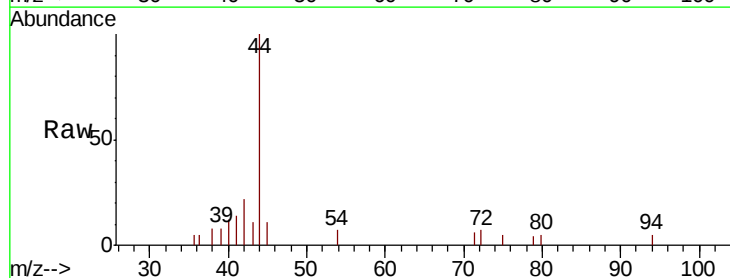
Instrument :
MSVOA_X
ClientSampleId :
RB1-SRI3

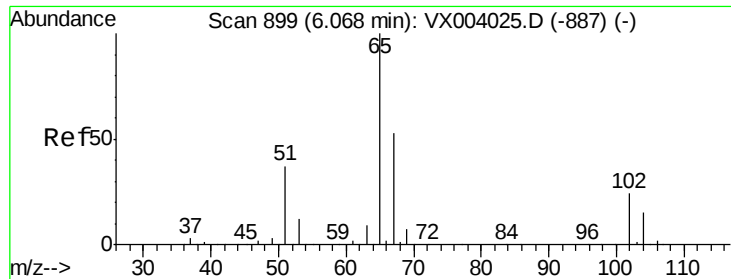
Tgt Ion: 76 Resp: 3833
Ion Ratio Lower Upper
76 100
78 10.1 7.5 11.3



#29
Tetrahydrofuran
Concen: 0.336 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004038.D
Acq: 14 Aug 2018 18:37

Tgt Ion: 42 Resp: 570
Ion Ratio Lower Upper
42 100
72 0.0 37.7 56.5#
71 17.4 35.0 52.6#

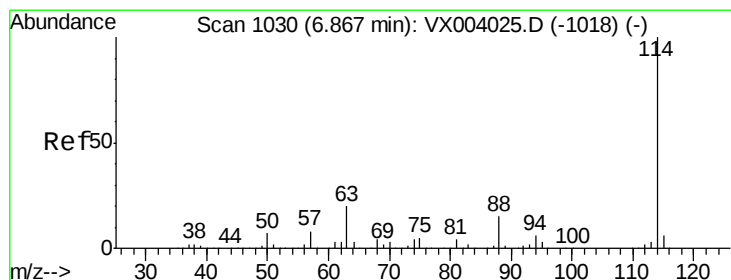
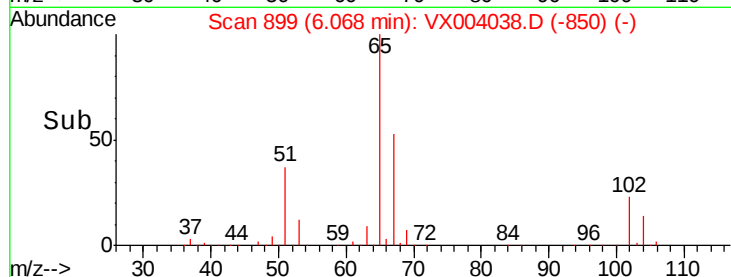
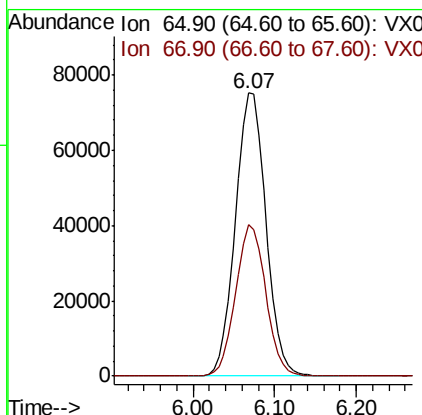
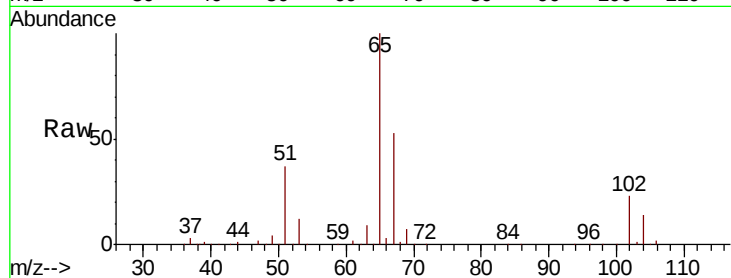




#33
 1,2-Dichloroethane-d4
 Concen: 49.799 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004038.D
 Acq: 14 Aug 2018 18:37

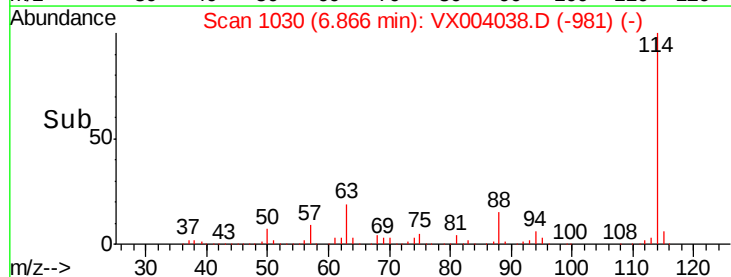
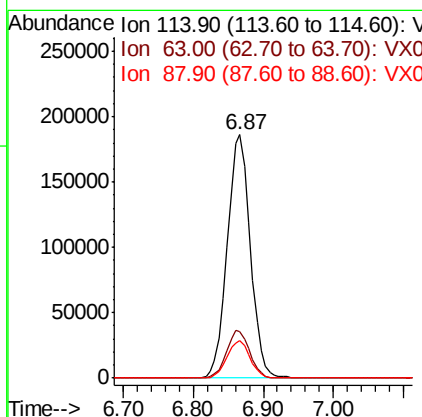
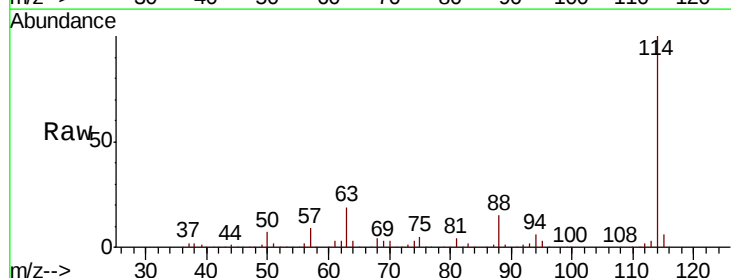
Instrument :
 MSVOA_X
 ClientSampleId :
 RB1-SRI3

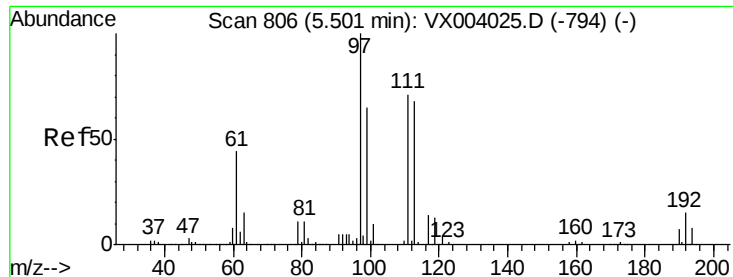
Tgt Ion: 65 Resp: 195227
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004038.D
 Acq: 14 Aug 2018 18:37

Tgt Ion: 114 Resp: 426891
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.3 0.0 32.0

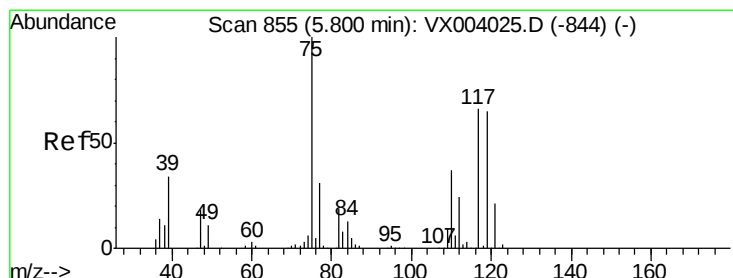
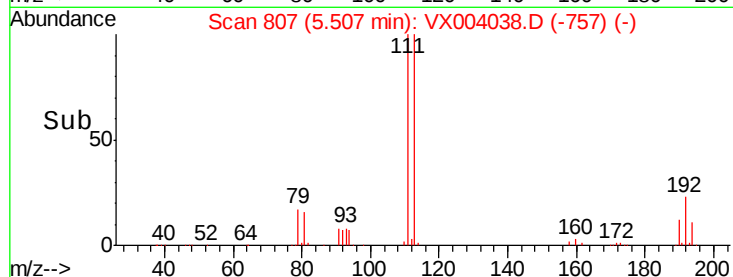
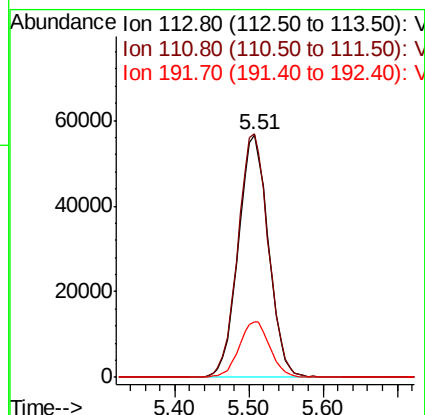
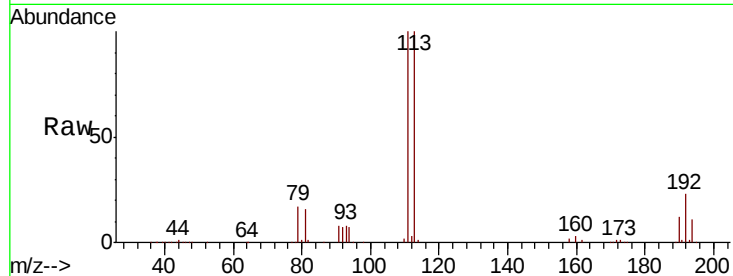




#35
 Dibromofluoromethane
 Concen: 50.308 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004038.D
 Acq: 14 Aug 2018 18:37

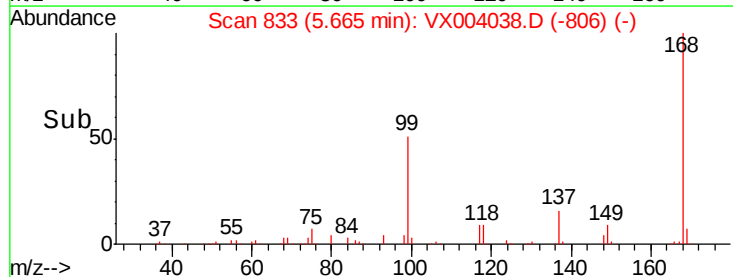
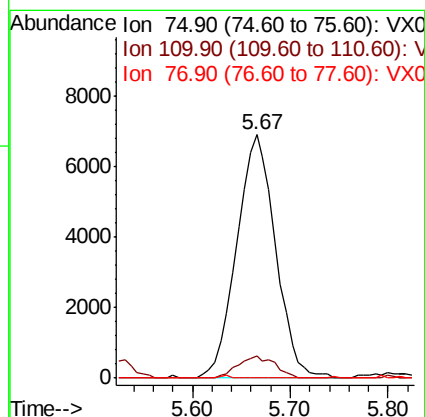
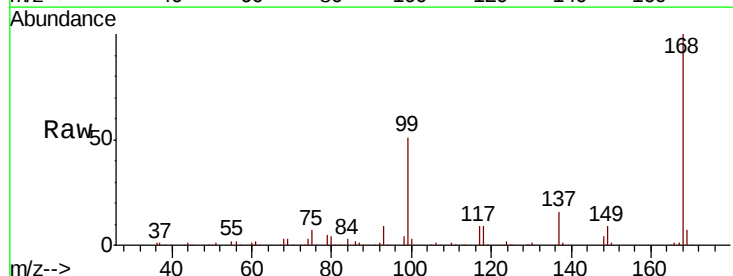
Instrument :
 MSVOA_X
 ClientSampleId :
 RB1-SRI3

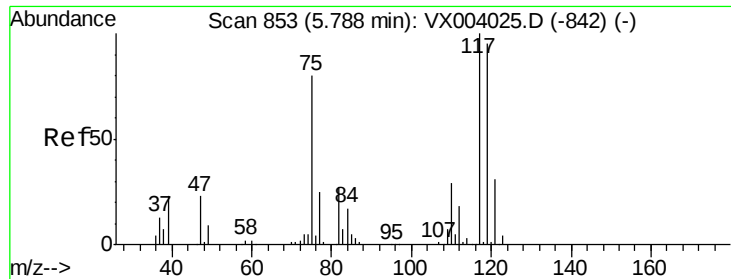
Tgt Ion:113 Resp: 160731
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.0 123.0
 192 23.4 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.897 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004038.D
 Acq: 14 Aug 2018 18:37

Tgt Ion: 75 Resp: 18930
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.2 54.6#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.313 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

RB1-SRI3

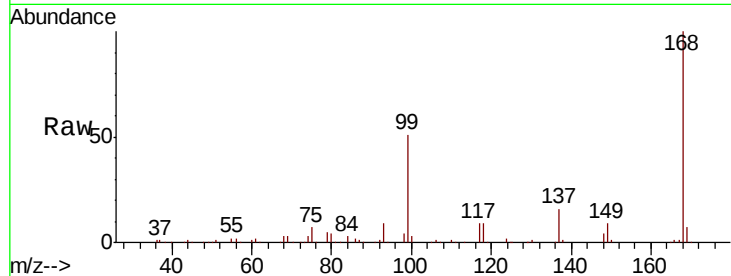
Tgt Ion:117 Resp: 25073

Ion Ratio Lower Upper

117 100

119 5.1 79.5 119.3#

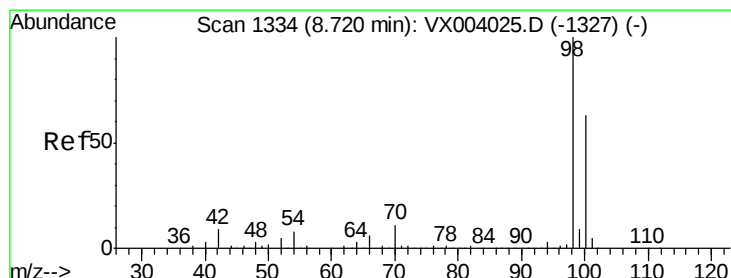
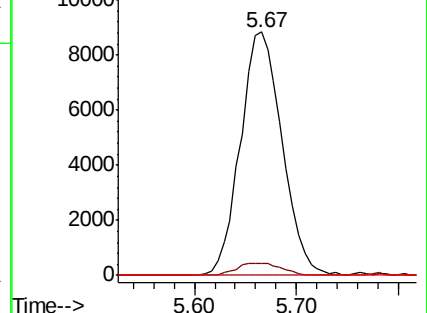
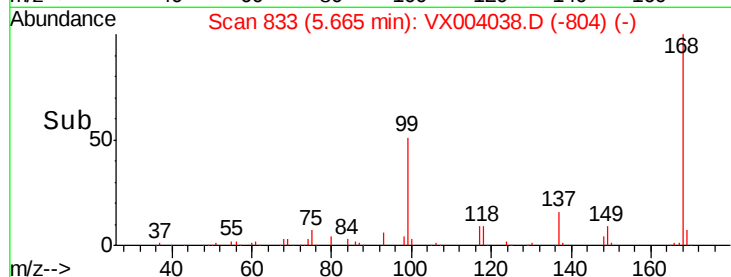
121 0.0 25.0 37.4#



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: 46.754 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004038.D

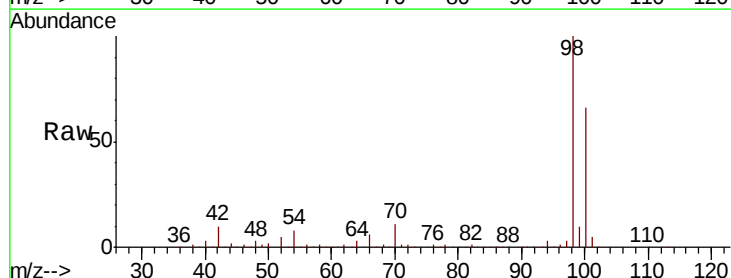
Acq: 14 Aug 2018 18:37

Tgt Ion: 98 Resp: 605633

Ion Ratio Lower Upper

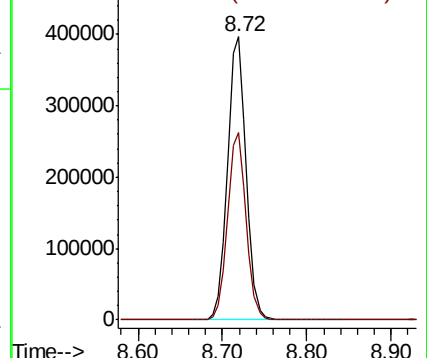
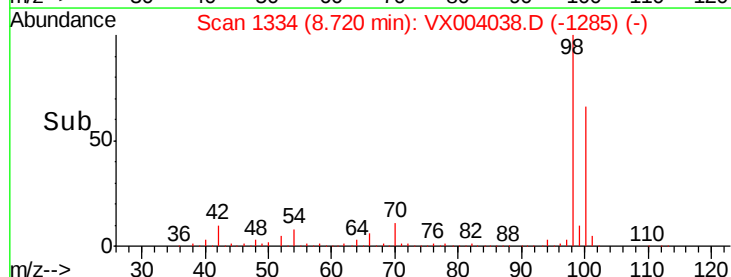
98 100

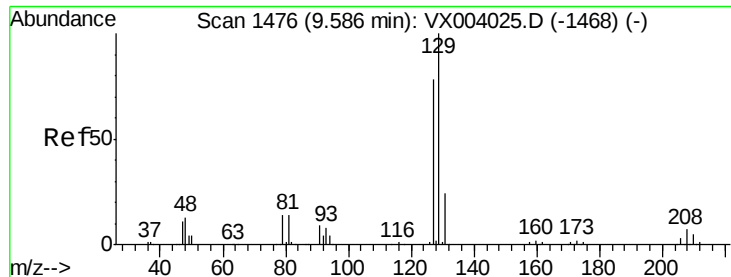
100 65.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.372 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

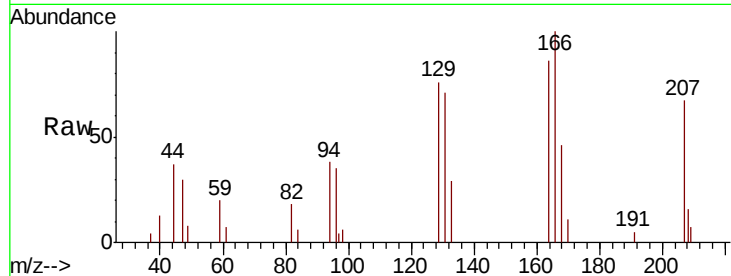
RB1-SRI3

Tgt Ion: 129 Resp: 1365

Ion Ratio Lower Upper

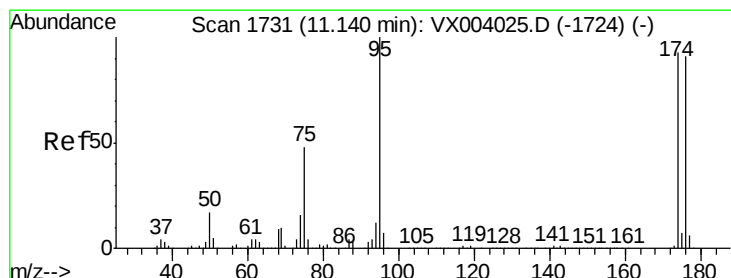
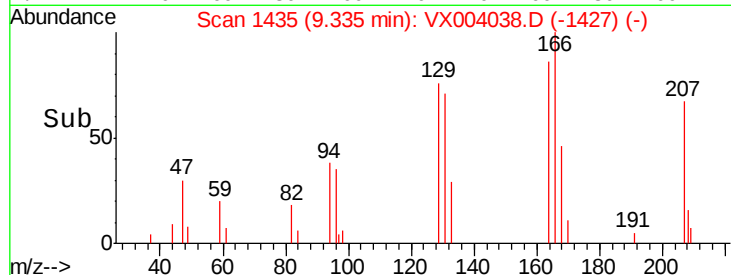
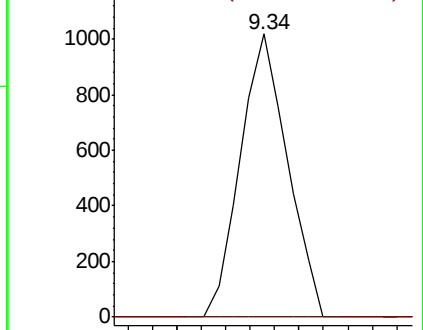
129 100

127 0.0 38.8 116.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.162 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

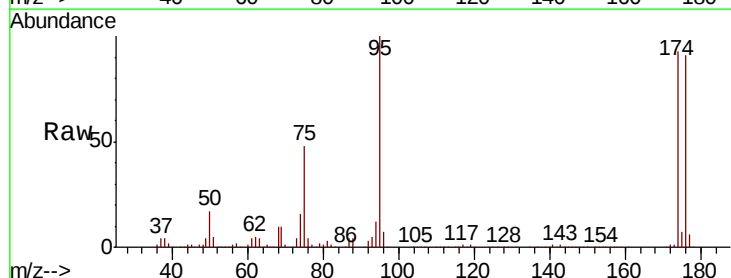
Tgt Ion: 95 Resp: 207481

Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.8

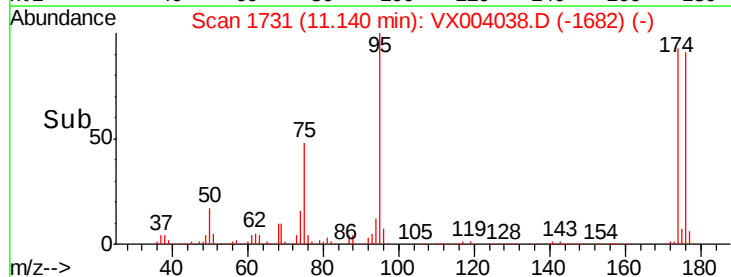
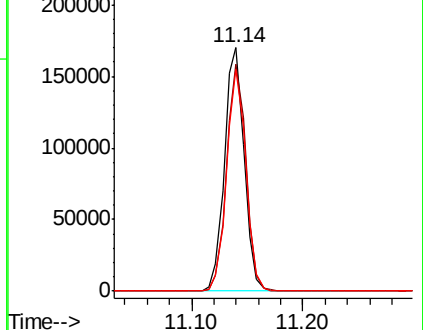
176 89.3 0.0 179.0

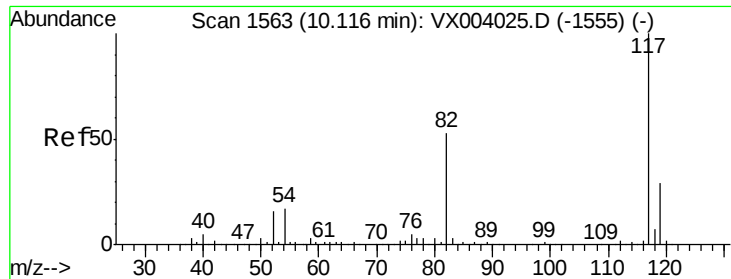


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

RB1-SRI3

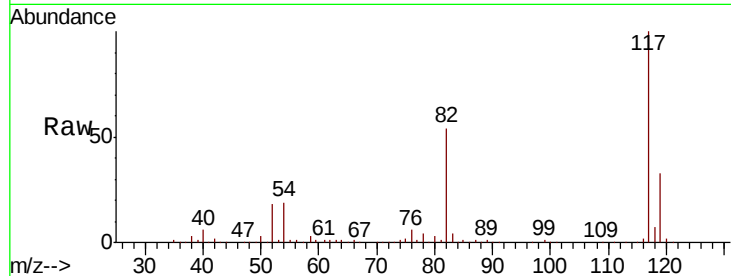
Tgt Ion:117 Resp: 400997

Ion Ratio Lower Upper

117 100

82 54.1 45.4 68.0

119 32.9 26.6 40.0

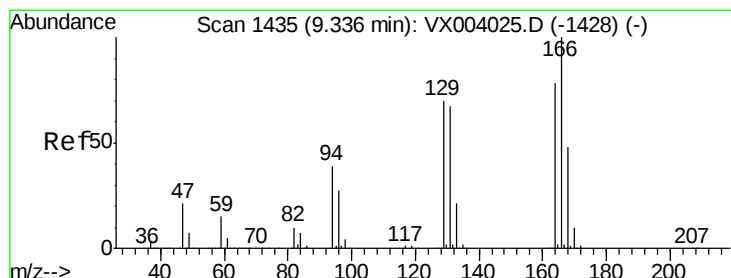
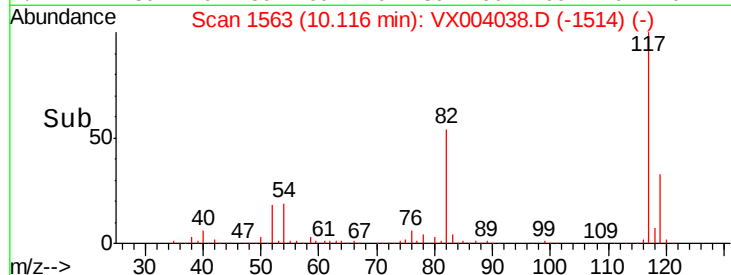
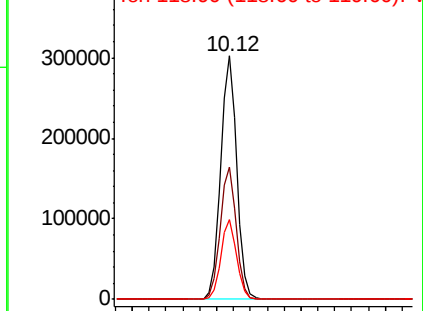


Abundance

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



#64

Tetrachloroethene

Concen: 0.428 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

Tgt Ion:164 Resp: 1626

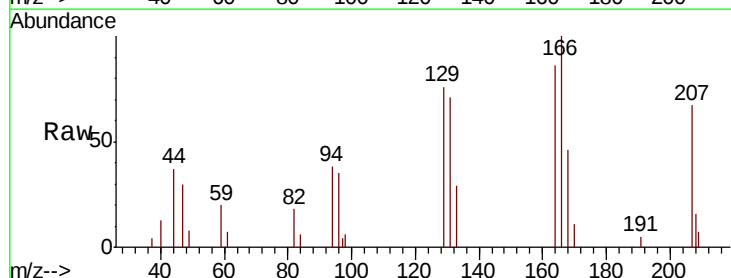
Ion Ratio Lower Upper

164 100

166 116.9 98.0 147.0

129 88.4 64.3 96.5

131 83.1 66.8 100.2



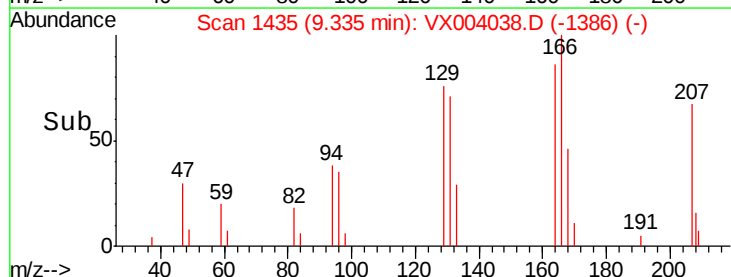
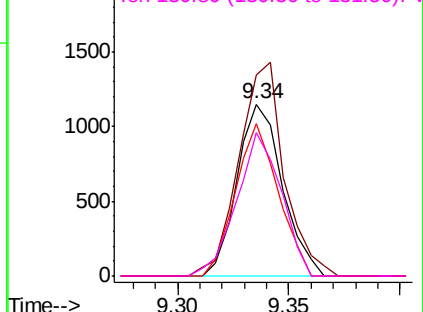
Abundance

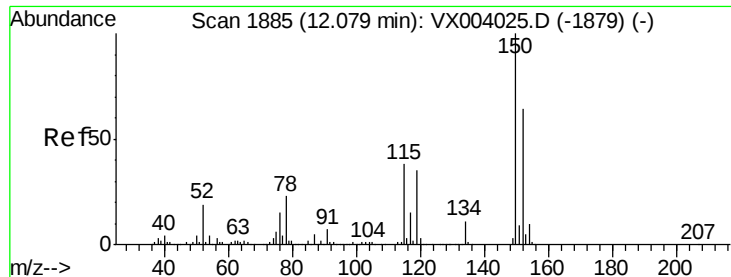
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX004038.D

Acq: 14 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

RB1-SRI3

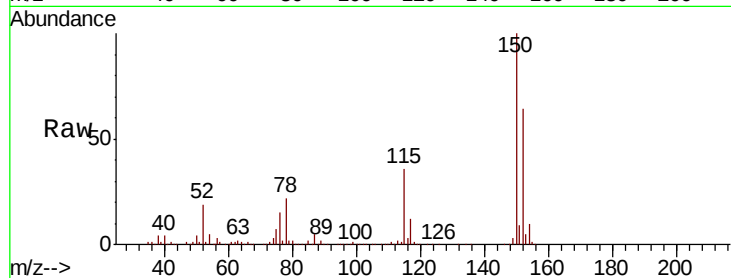
Tgt Ion:152 Resp: 218169

Ion Ratio Lower Upper

152 100

115 56.1 39.1 117.3

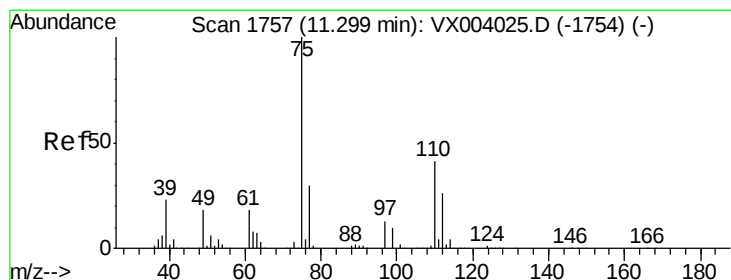
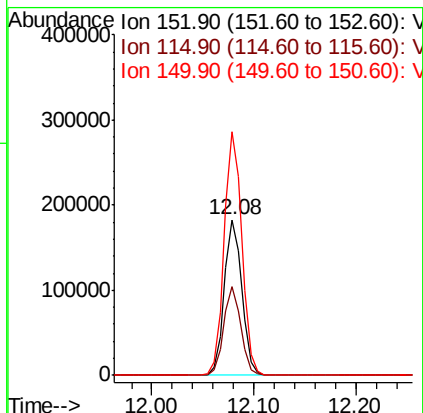
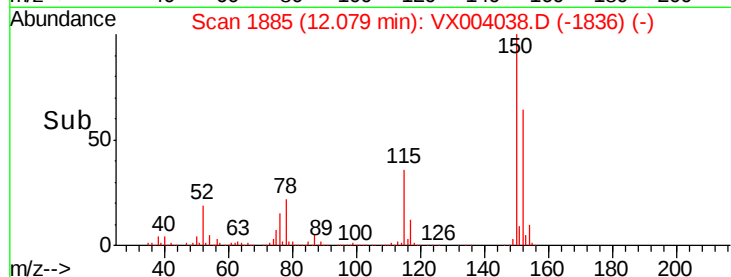
150 158.3 0.0 349.2



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: 23.312 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004038.D

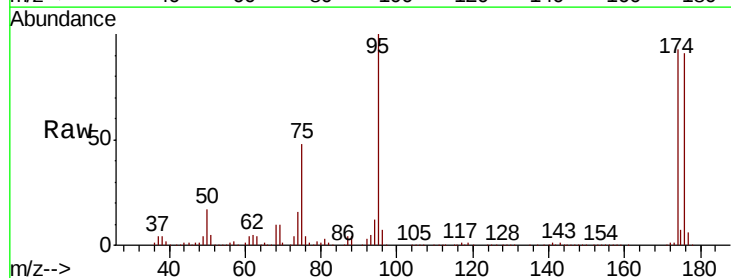
Acq: 14 Aug 2018 18:37

Tgt Ion: 75 Resp: 101993

Ion Ratio Lower Upper

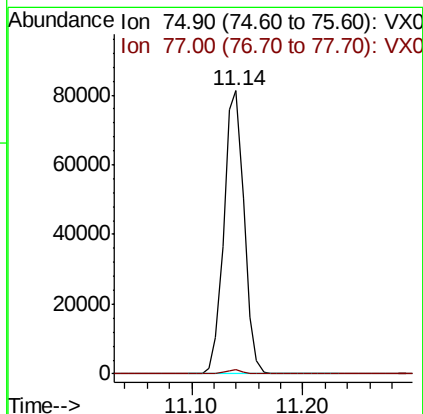
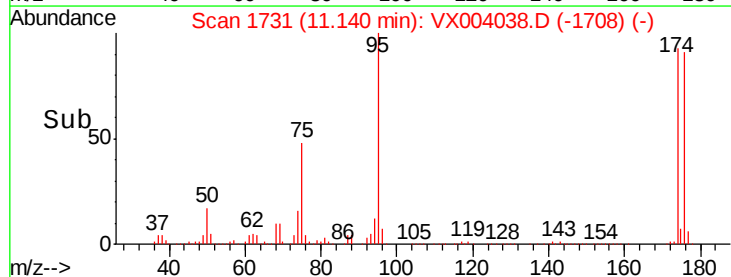
75 100

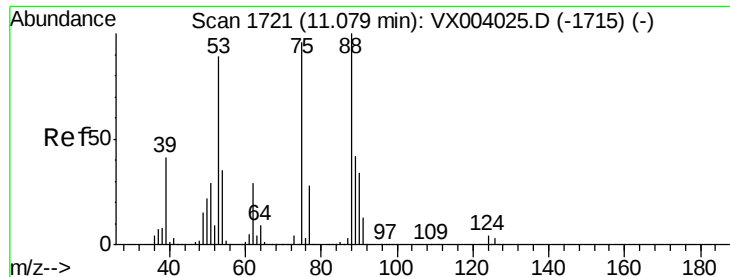
77 1.4 20.8 62.5#



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: 72.162 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

RB1-SRI3

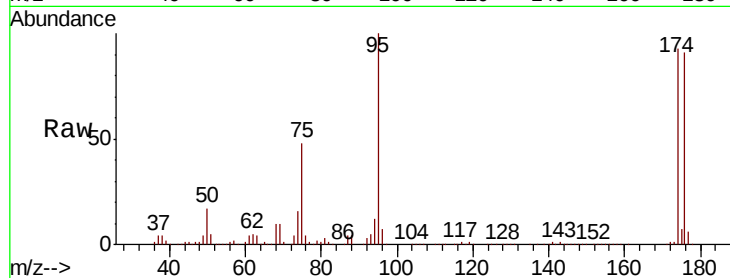
Tgt Ion: 75 Resp: 101993

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

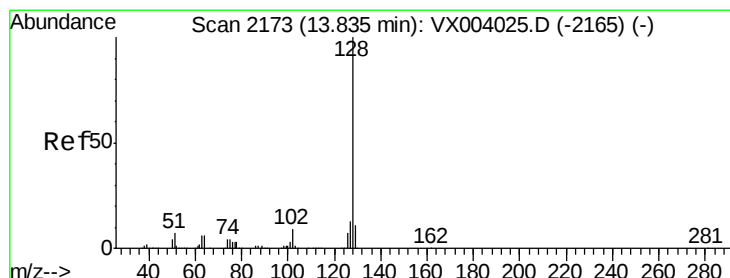
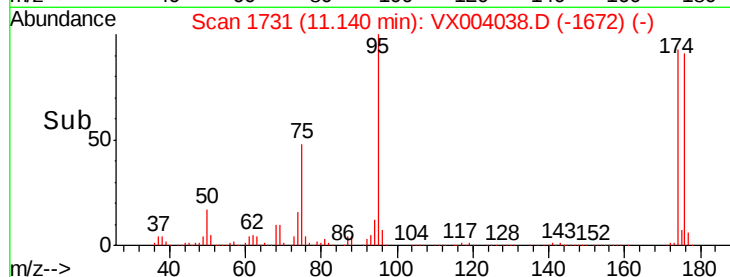
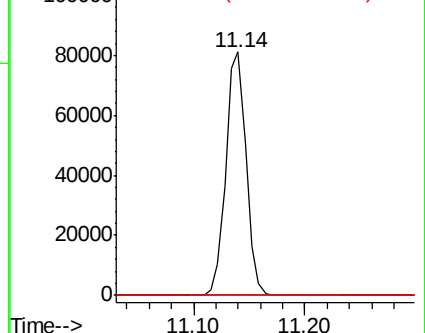
89 0.0 37.8 56.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.216 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004038.D

Acq: 14 Aug 2018 18:37

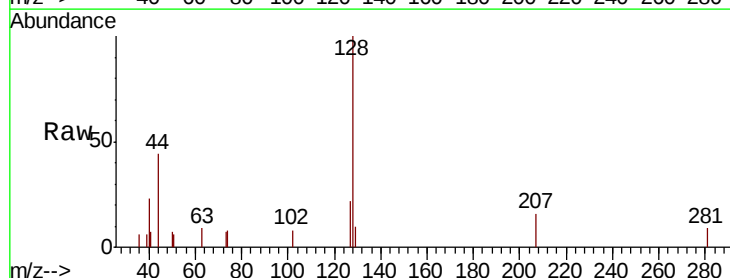
Tgt Ion: 128 Resp: 1122

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

129 8.4 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

