

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100818\
 Data File : VX005143.D
 Acq On : 08 Oct 2018 23:09
 Operator : JC/MD
 Sample : J5303-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TB03-20181003

Quant Time: Oct 09 06:00:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	196798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	304354	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169326	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	155425	55.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.58%	
35) Dibromofluoromethane	5.51	113	131800	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
50) Toluene-d8	8.72	98	436292	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.14	95	158245	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.44%	

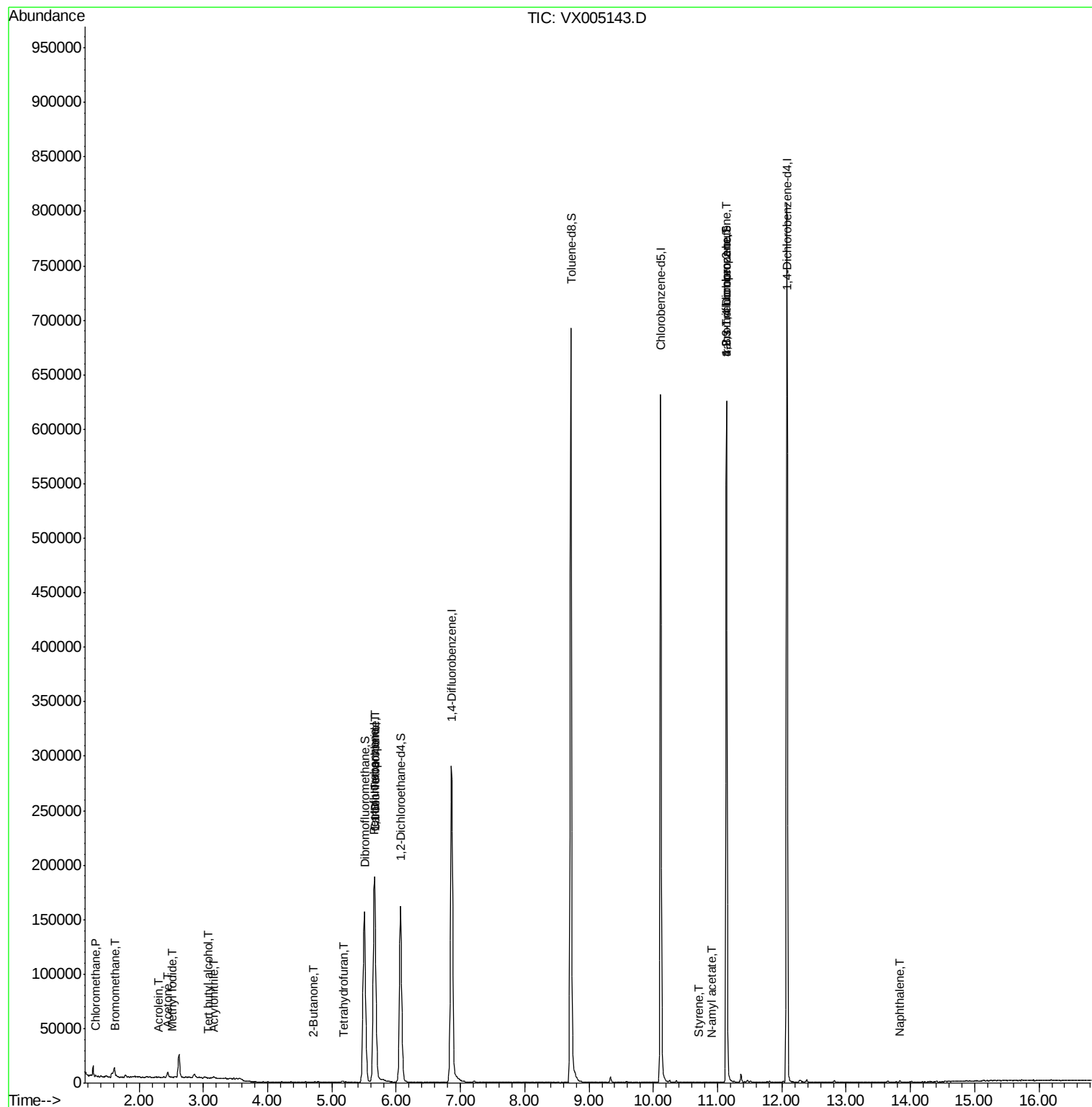
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	789	0.242	ug/l	91
5) Bromomethane	1.64	94	1083	0.598	ug/l #	57
6) Chloroethane	1.72	64	400	Below Cal	#	45
10) Methyl Iodide	2.51	142	695	0.241	ug/l #	84
11) Tert butyl alcohol	3.09	59	275	0.350	ug/l #	48
13) Acrolein	2.29	56	233	0.417	ug/l #	44
15) Acrylonitrile	3.15	53	546	0.316	ug/l #	78
16) Acetone	2.45	43	5366	3.269	ug/l	90
20) Methylene Chloride	2.85	84	1469	Below Cal	#	82
25) 2-Butanone	4.71	43	636	0.263	ug/l #	49
29) Tetrahydrofuran	5.17	42	809	0.538	ug/l #	81
36) 1,1-Dichloropropene	5.66	75	13417	3.812	ug/l #	47
38) Carbon Tetrachloride	5.66	117	17993	4.864	ug/l #	18
70) Styrene	10.71	104	117	2.154	ug/l #	52
74) N-amyl acetate	10.90	43	86	1.762	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	78533	20.693	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	332	Below Cal		95
81) trans-1,4-Dichloro-2-buten	11.14	75	78533	56.181	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	431	Below Cal		96
95) Naphthalene	13.84	128	687	0.768	ug/l #	82

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

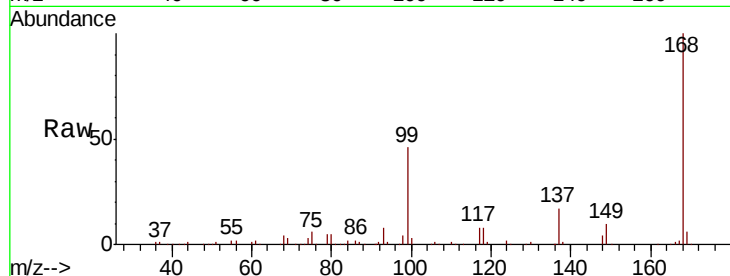
SA-TB03-20181003

Tot Ion:168 Resp: 196798

Ion Ratio Lower Upper

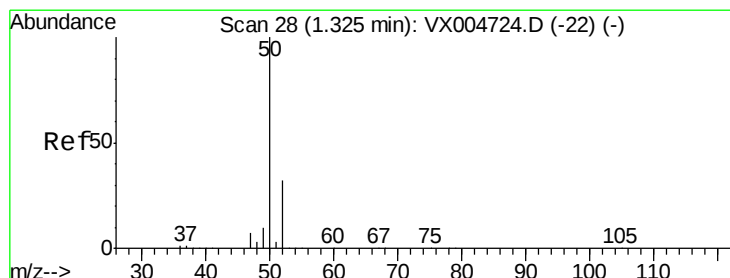
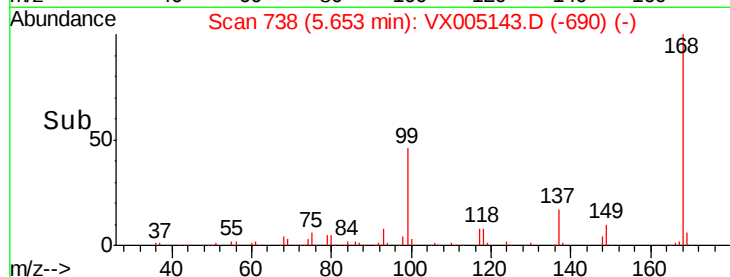
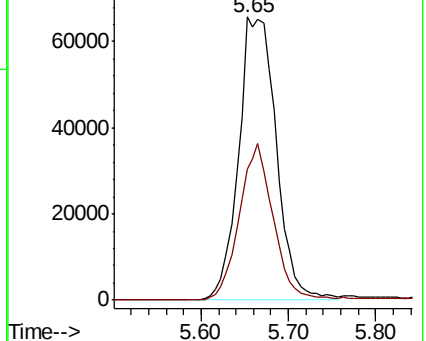
168 100

99 46.4 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: 0.242 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005143.D

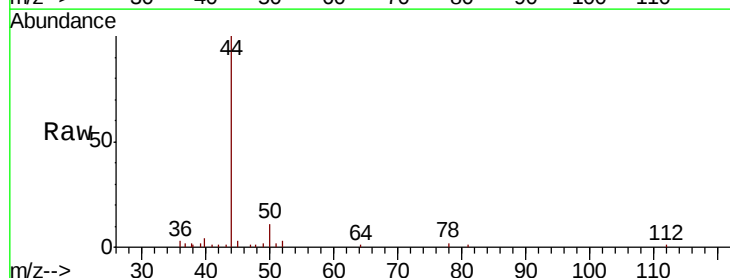
Acq: 08 Oct 2018 23:09

Tgt Ion: 50 Resp: 789

Ion Ratio Lower Upper

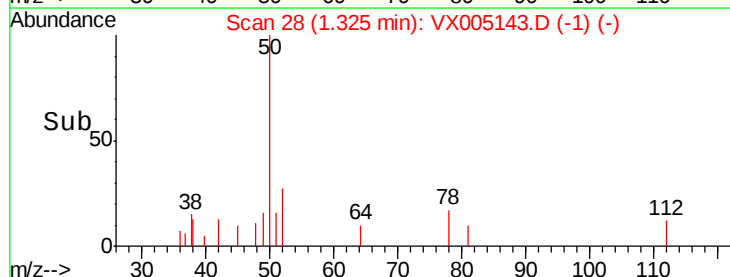
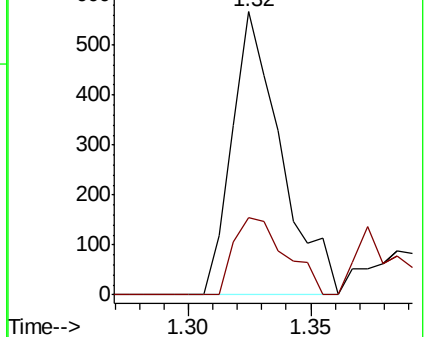
50 100

52 27.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.598 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

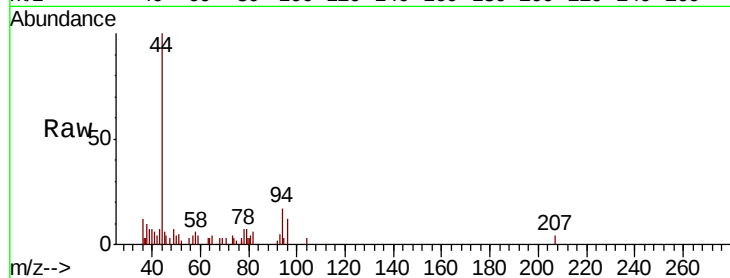
SA-TB03-20181003

Tot Ion: 94 Resp: 1083

Ion Ratio Lower Upper

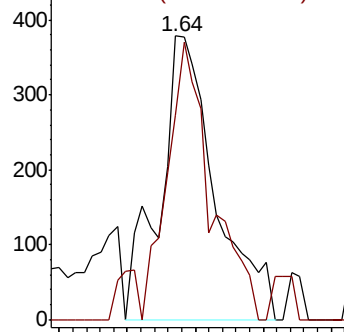
94 100

96 56.6 79.5 119.3#

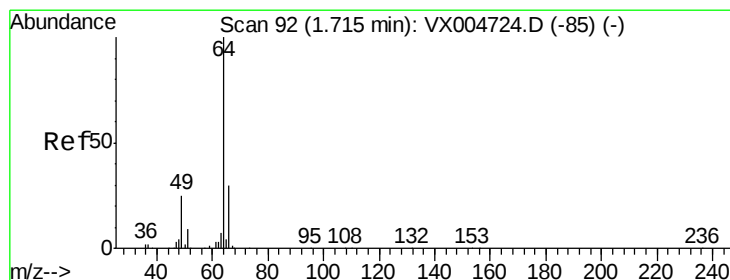
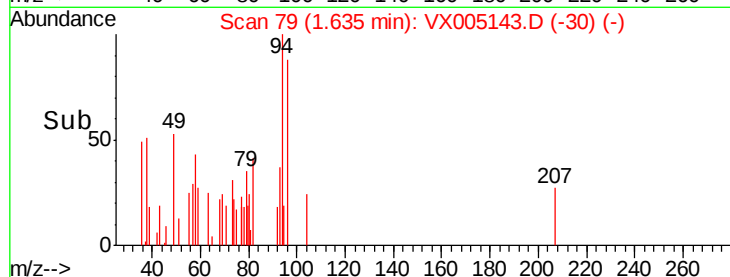


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005143.D

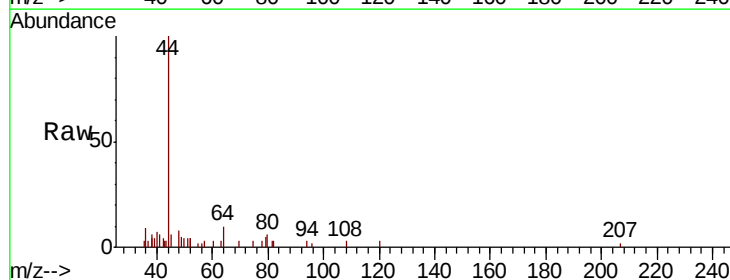
Acq: 08 Oct 2018 23:09

Tgt Ion: 64 Resp: 400

Ion Ratio Lower Upper

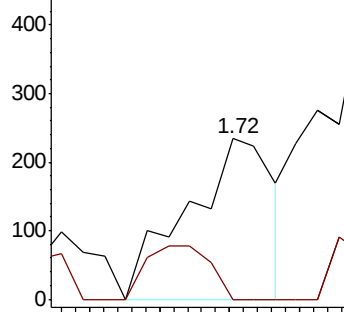
64 100

66 0.0 23.8 35.6#

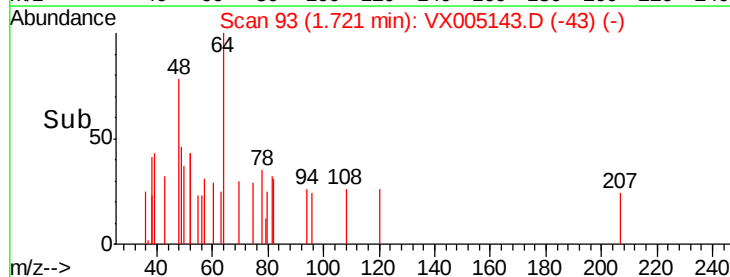


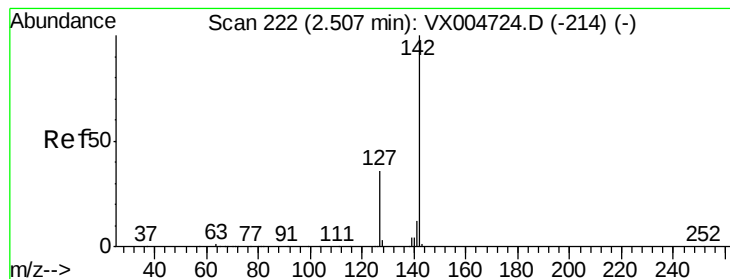
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#10

Methvl Iodide

Concen: 0.241 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

SA-TB03-20181003

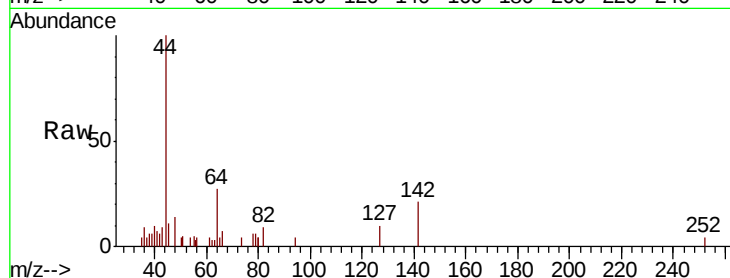
Tot Ion:142 Resp: 695

Ion Ratio Lower Upper

142 100

127 49.6 30.1 45.1#

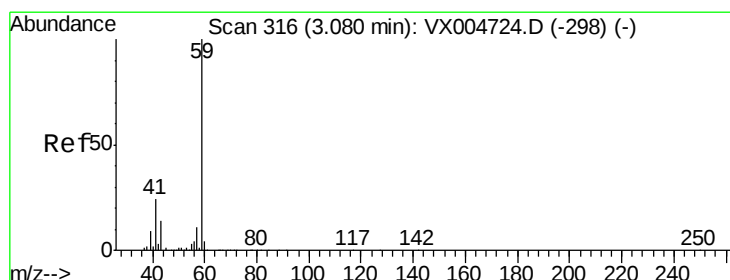
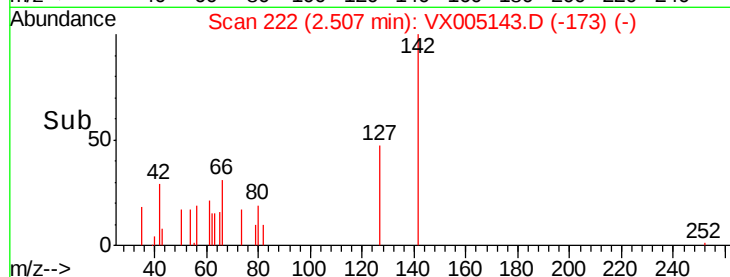
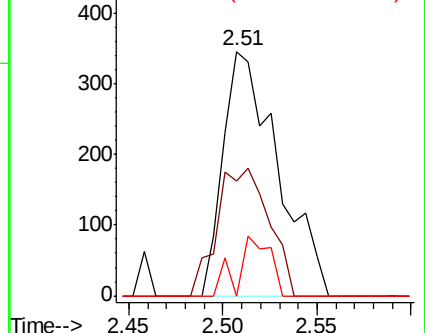
141 14.4 10.1 15.1



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: 0.350 ug/l

RT: 3.09 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX005143.D

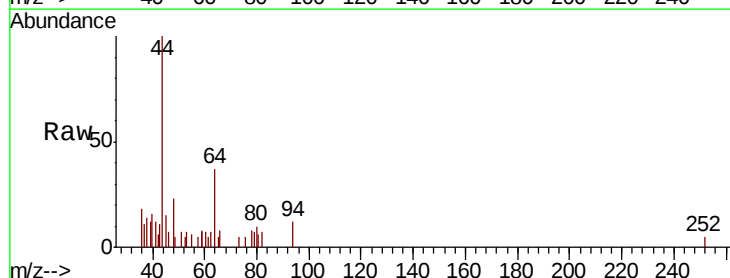
Acq: 08 Oct 2018 23:09

Tgt Ion: 59 Resp: 275

Ion Ratio Lower Upper

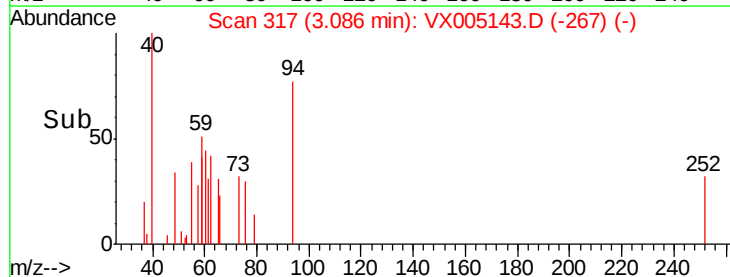
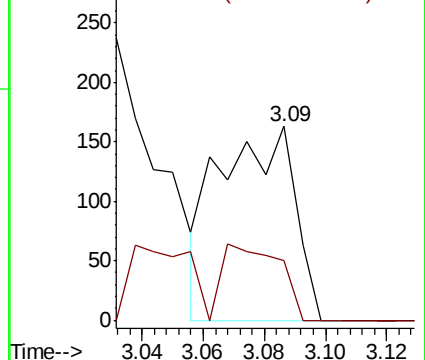
59 100

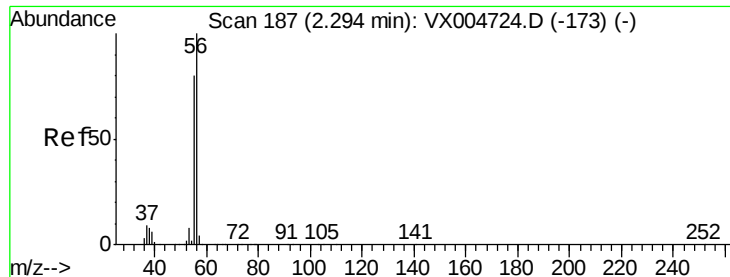
57 30.2 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.417 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

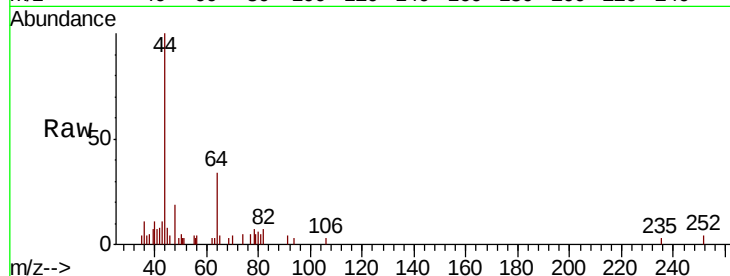
SA-TB03-20181003

Tot Ion: 56 Resp: 233

Ion Ratio Lower Upper

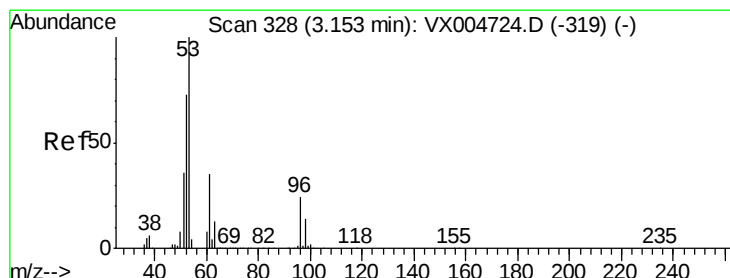
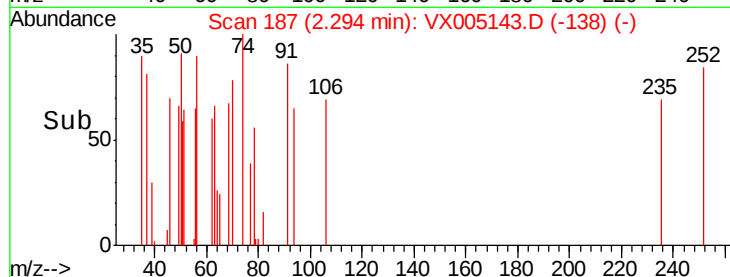
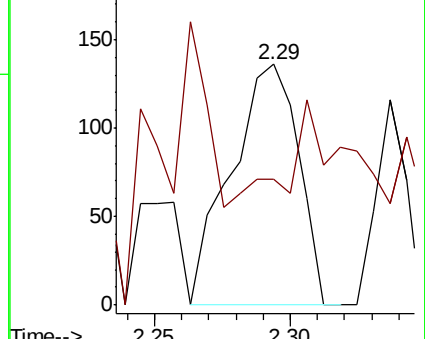
56 100

55 30.5 63.4 95.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.316 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

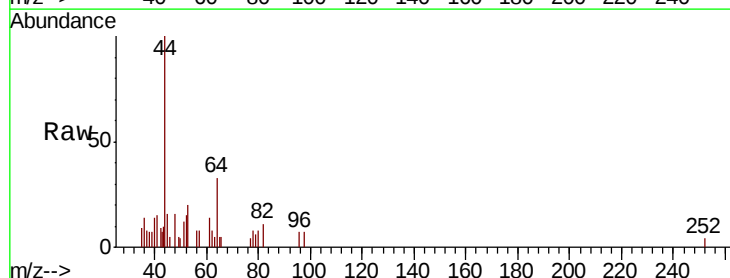
Tgt Ion: 53 Resp: 546

Ion Ratio Lower Upper

53 100

52 94.3 63.0 94.4

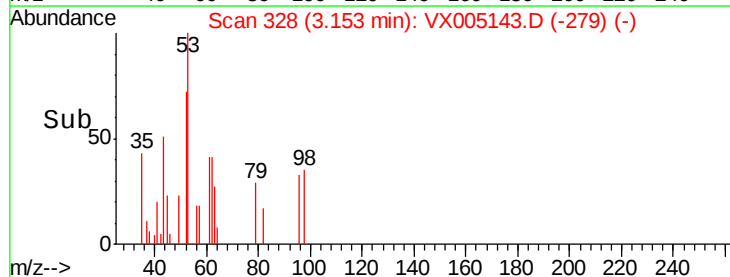
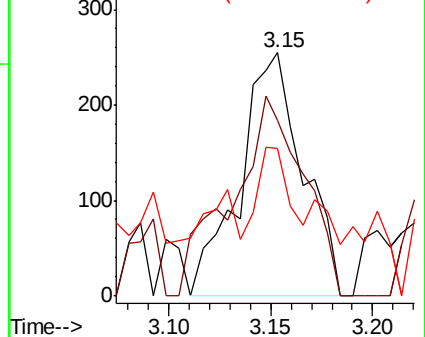
51 18.1 28.6 42.8#

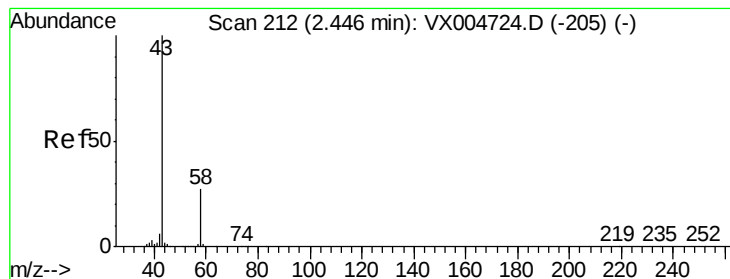


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 3.269 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

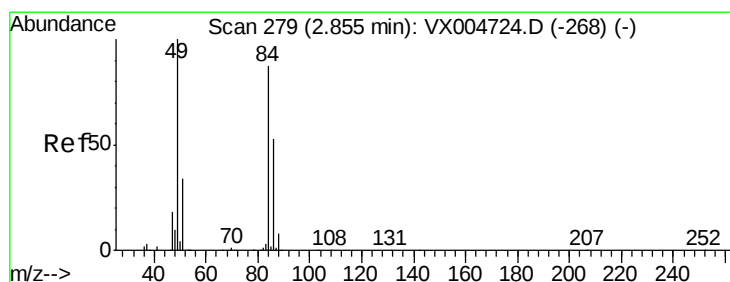
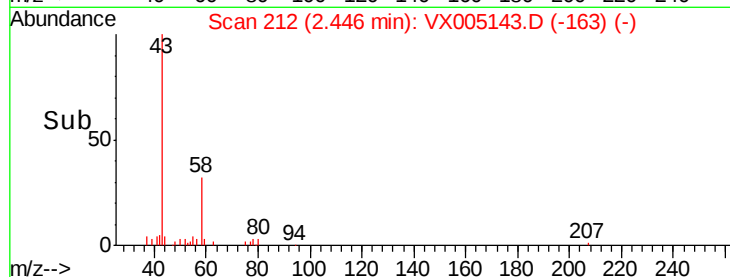
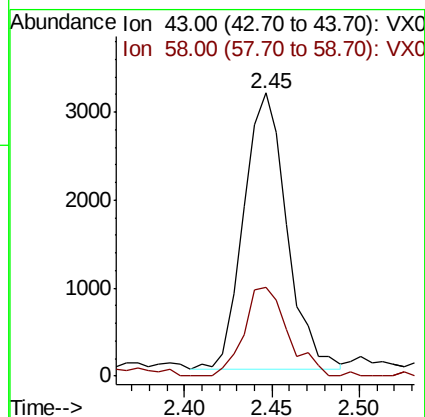
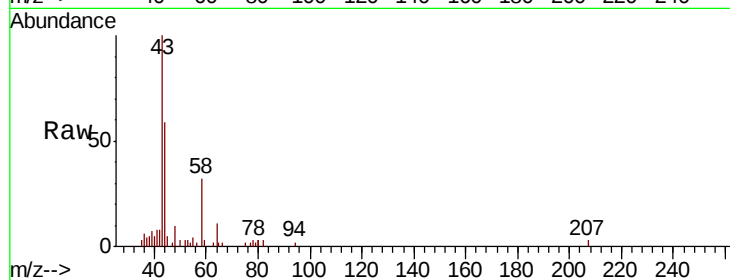
SA-TB03-20181003

Tot Ion: 43 Resp: 5366

Ion Ratio Lower Upper

43 100

58 32.4 21.8 32.6



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Tgt Ion: 84 Resp: 1469

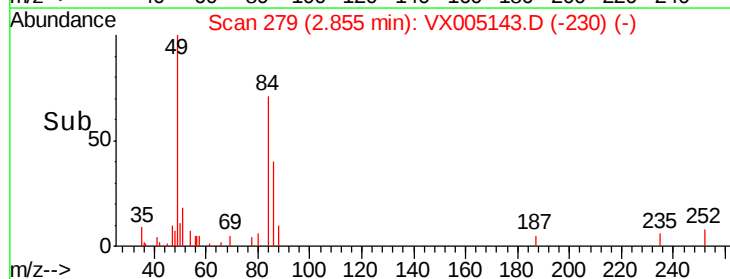
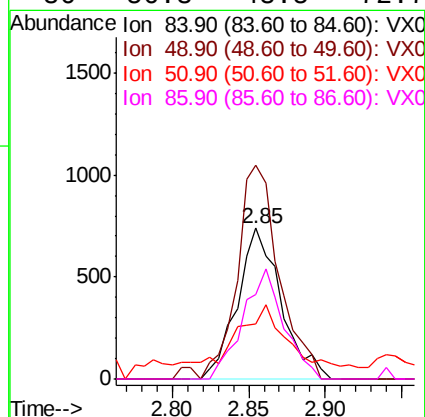
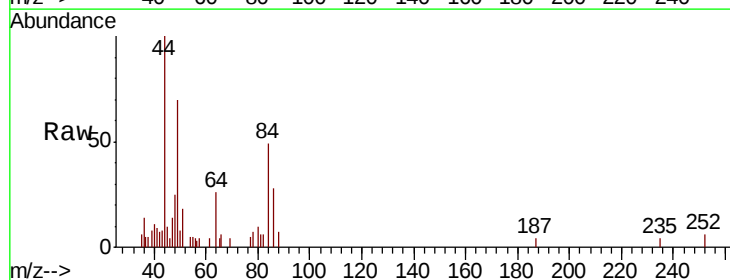
Ion Ratio Lower Upper

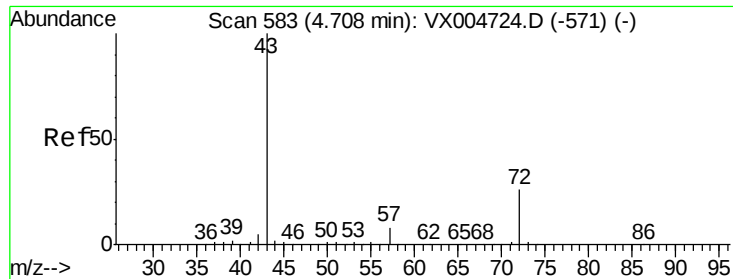
84 100

49 141.7 92.3 138.5#

51 28.1 31.8 47.6#

86 56.3 48.5 72.7





#25

2-Butanone

Concen: 0.263 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

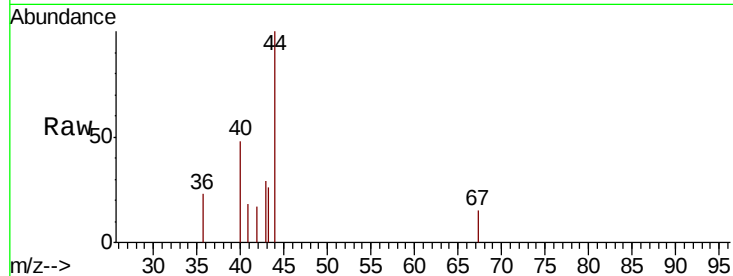
SA-TB03-20181003

Tot Ion: 43 Resp: 636

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250

200

150

100

50

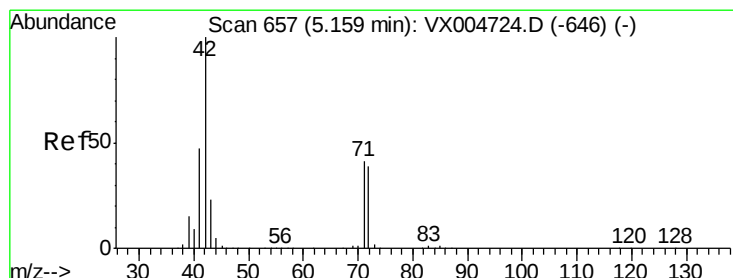
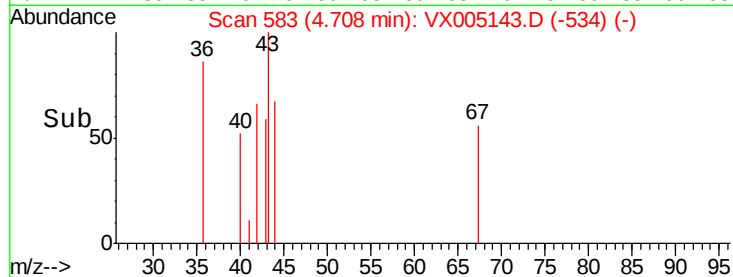
0

4.65

4.70

4.75

Time-->



#29

Tetrahydrofuran

Concen: 0.538 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

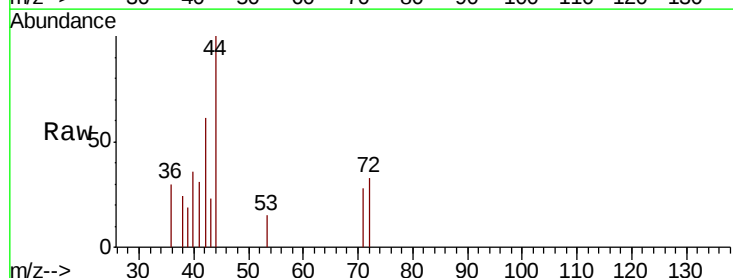
Tgt Ion: 42 Resp: 809

Ion Ratio Lower Upper

42 100

72 33.9 33.7 50.5

71 25.2 32.2 48.4#



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

300

250

200

150

100

50

0

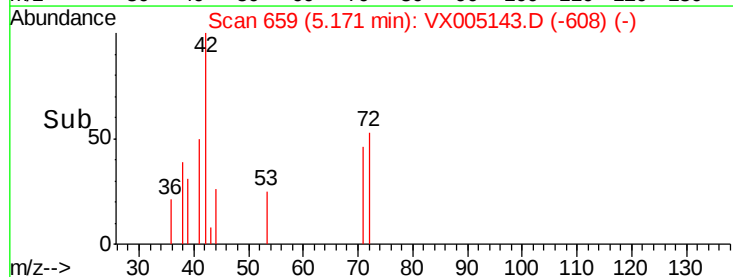
5.10

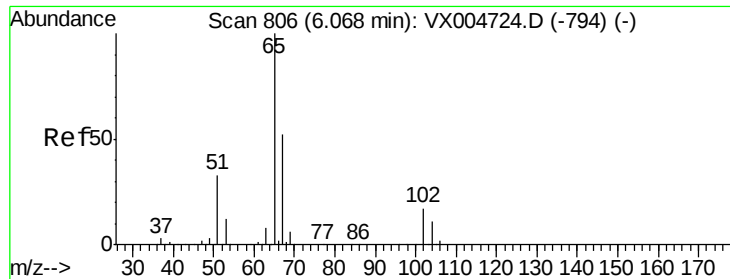
5.15

5.20

5.25

Time-->

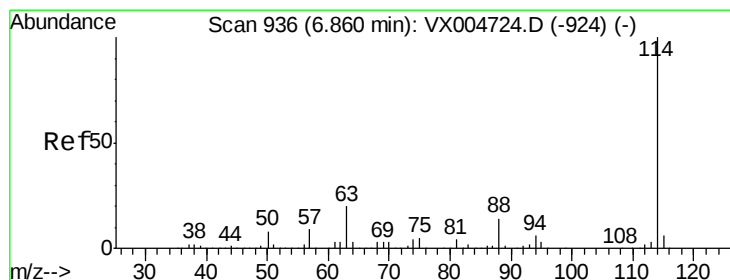
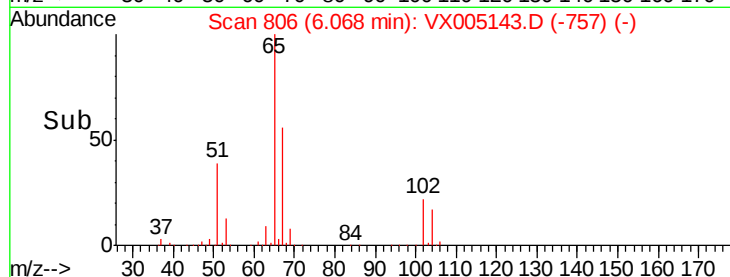
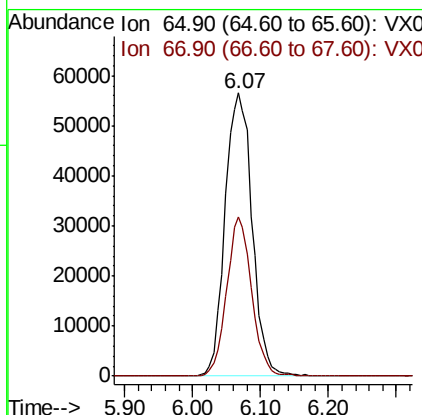
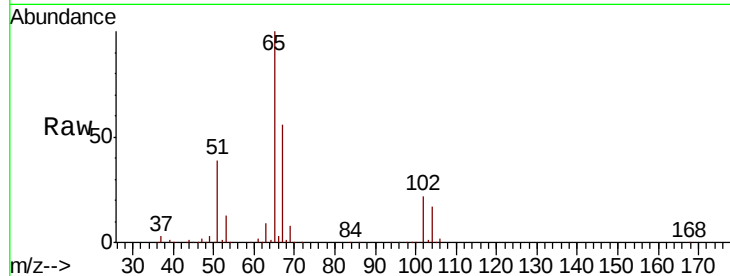




#33
 1,2-Dichloroethane-d4
 Concen: 55.286 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005143.D
 Acq: 08 Oct 2018 23:09

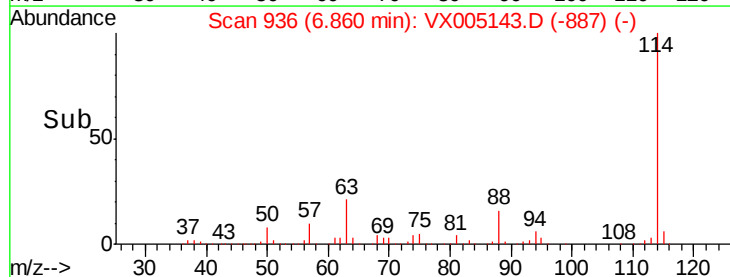
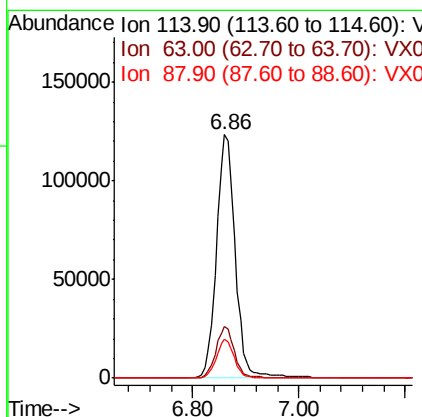
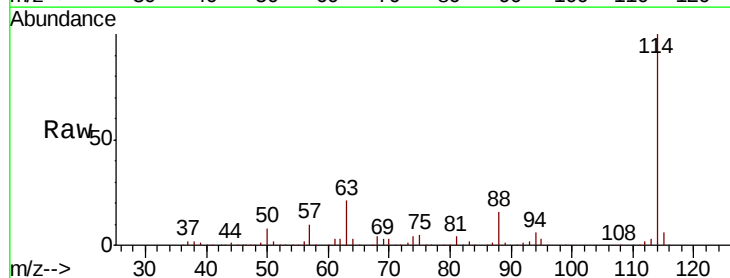
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TB03-20181003

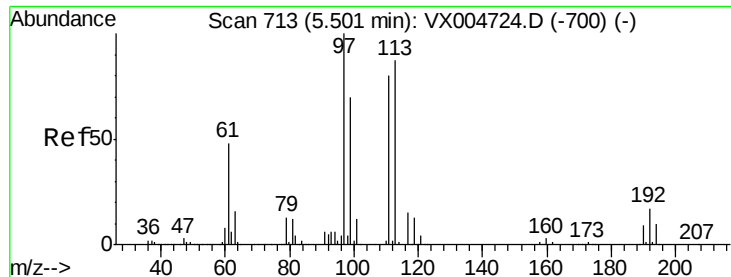
Tot Ion: 65 Resp: 155425
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005143.D
 Acq: 08 Oct 2018 23:09

Tgt Ion: 114 Resp: 304354
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.8
 88 16.1 0.0 27.0

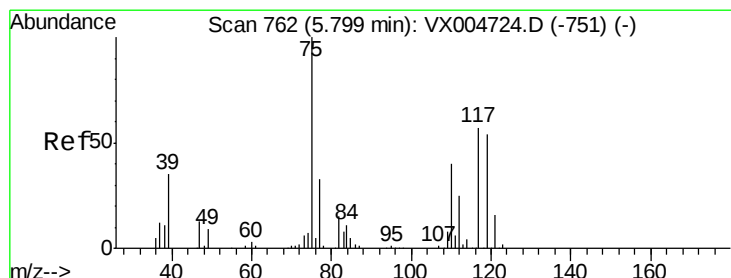
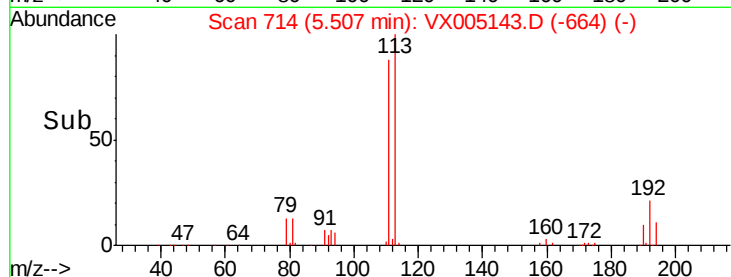
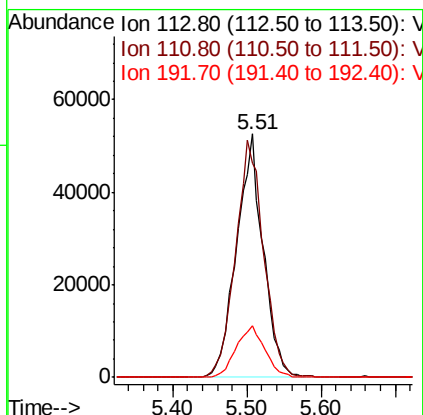
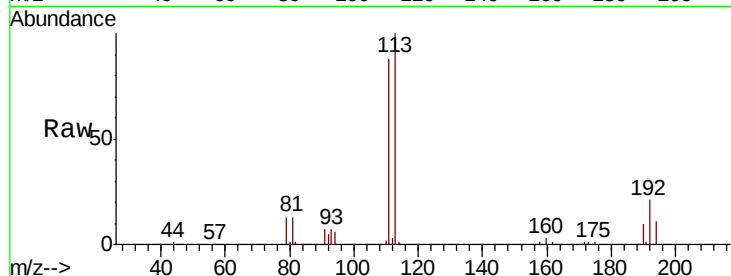




#35
 Dibromofluoromethane
 Concen: 51.096 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005143.D
 Acq: 08 Oct 2018 23:09

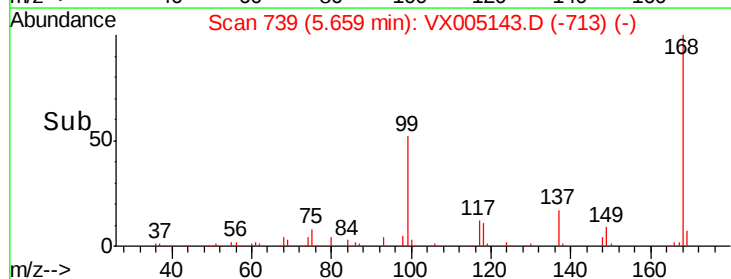
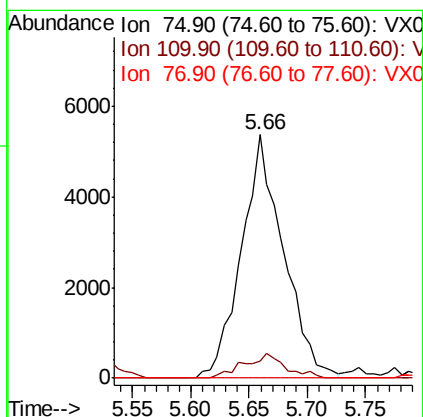
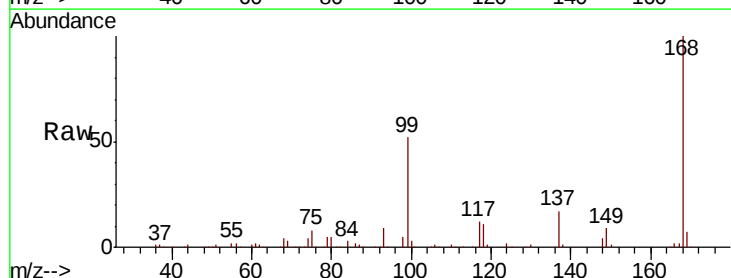
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TB03-20181003

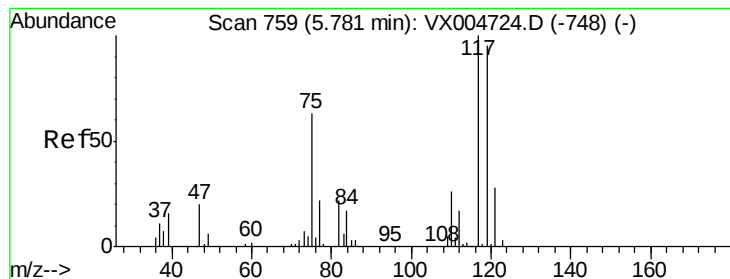
Tot Ion:113 Resp: 131800
 Ion Ratio Lower Upper
 113 100
 111 103.0 77.0 115.4
 192 22.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 3.812 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005143.D
 Acq: 08 Oct 2018 23:09

Tgt Ion: 75 Resp: 13417
 Ion Ratio Lower Upper
 75 100
 110 10.0 20.0 59.9#
 77 0.0 27.1 40.7#





#38

Carbon Tetrachloride

Concen: 4.864 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

SA-TB03-20181003

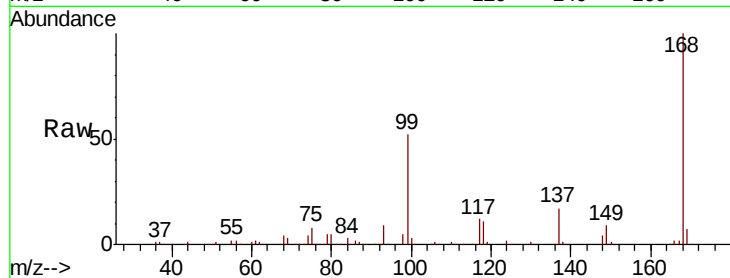
Tot Ion:117 Resp: 17993

Ion Ratio Lower Upper

117 100

119 6.0 75.2 112.8#

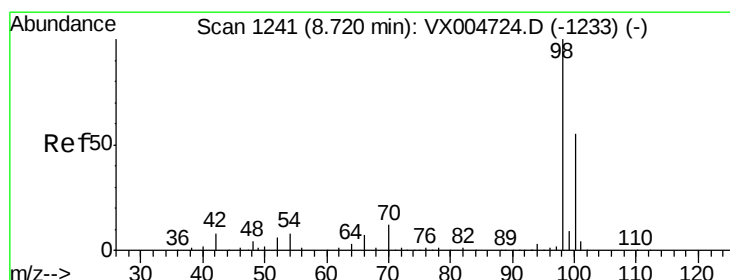
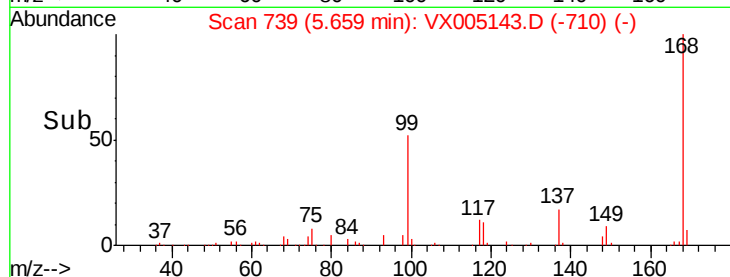
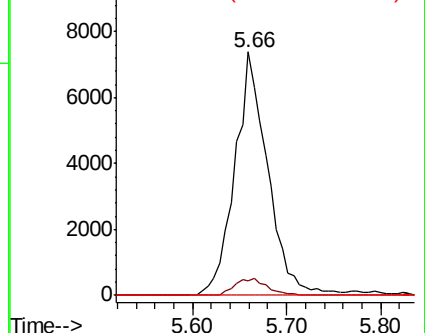
121 0.0 22.5 33.7#



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: 50.878 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005143.D

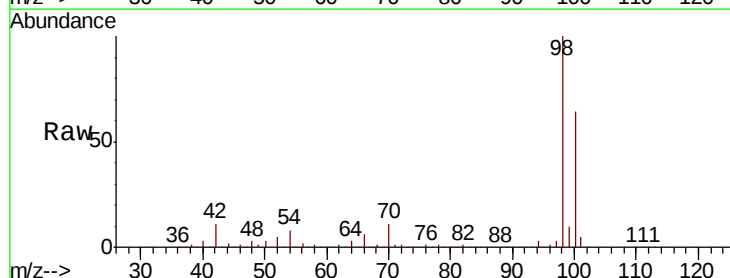
Acq: 08 Oct 2018 23:09

Tgt Ion: 98 Resp: 436292

Ion Ratio Lower Upper

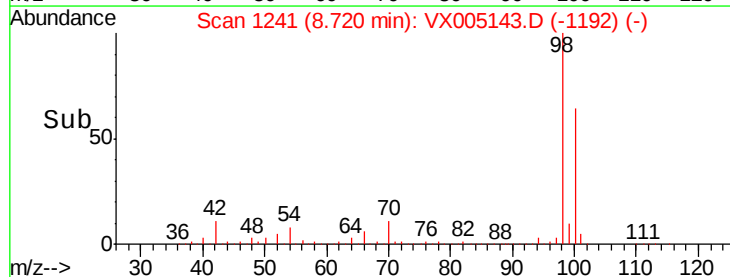
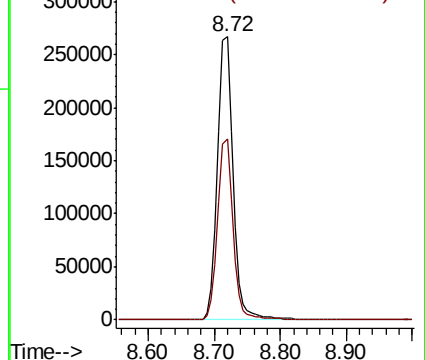
98 100

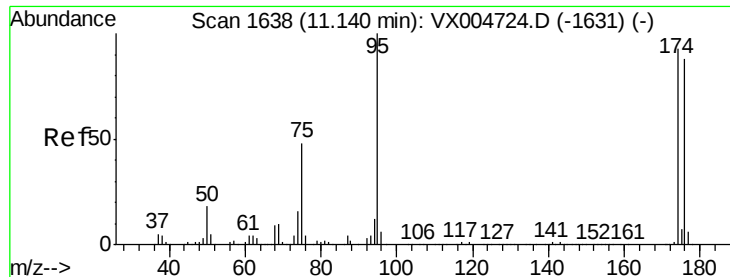
100 63.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

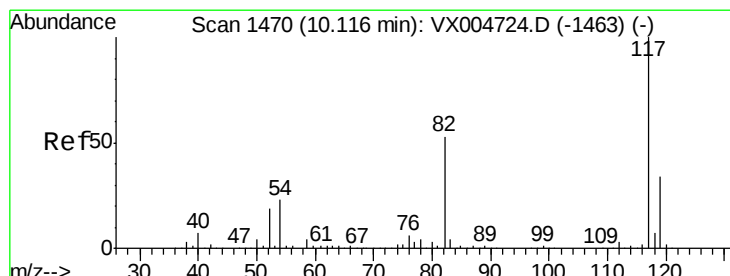
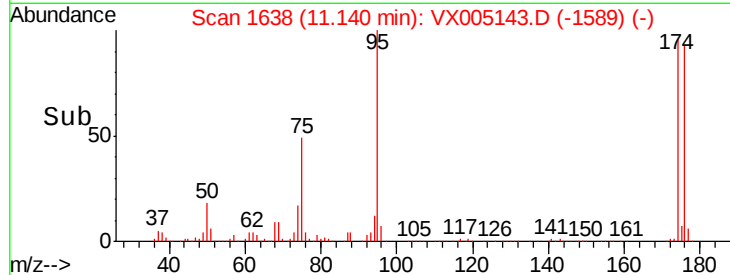
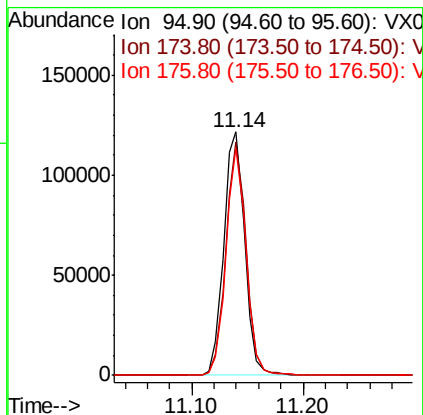
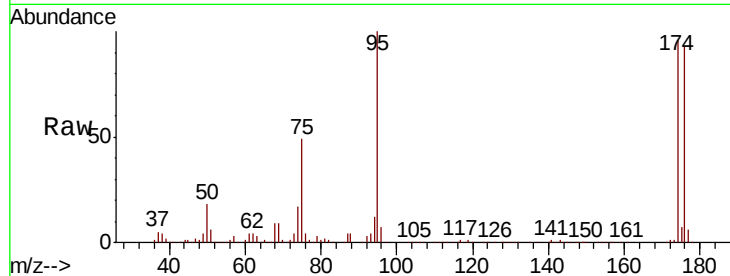




#62
4-Bromofluorobenzene
Concen: 51.223 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005143.D
Acq: 08 Oct 2018 23:09

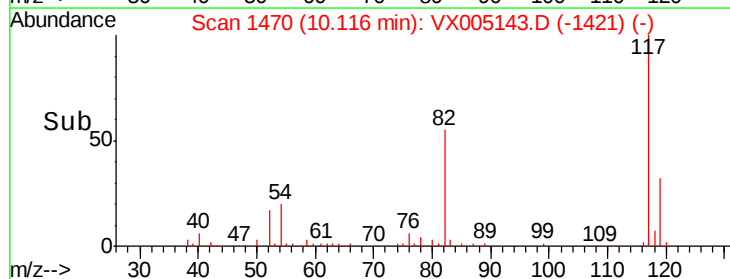
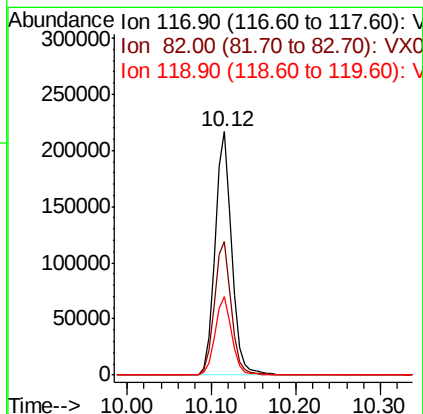
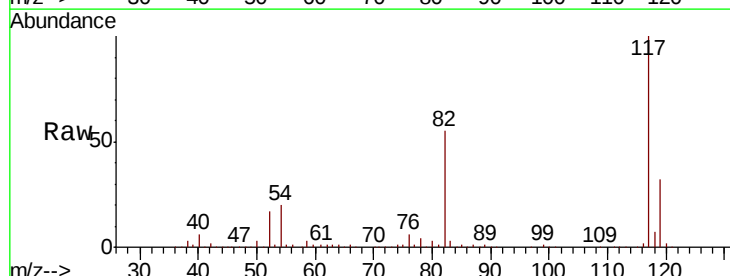
Instrument :
MSVOA_X
ClientSampleId :
SA-TB03-20181003

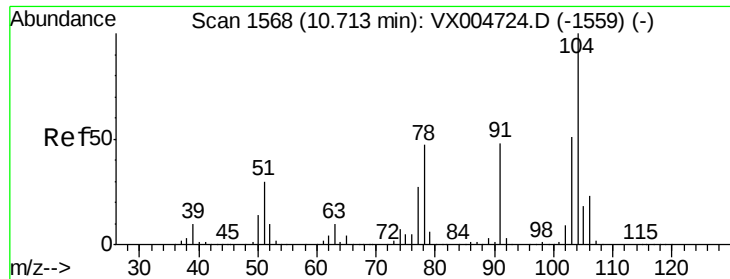
Tot Ion: 95 Resp: 158245
Ion Ratio Lower Upper
95 100
174 93.2 0.0 185.0
176 89.2 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005143.D
Acq: 08 Oct 2018 23:09

Tgt Ion: 117 Resp: 298014
Ion Ratio Lower Upper
117 100
82 54.7 42.2 63.4
119 32.4 27.4 41.0





#70

Stvrene

Concen: 2.154 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

SA-TB03-20181003

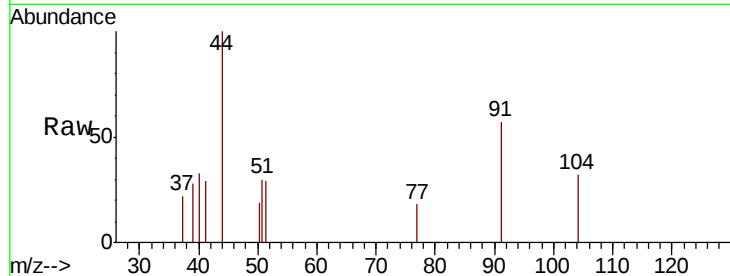
Tot Ion:104 Resp: 117

Ion Ratio Lower Upper

104 100

78 38.5 40.0 60.0#

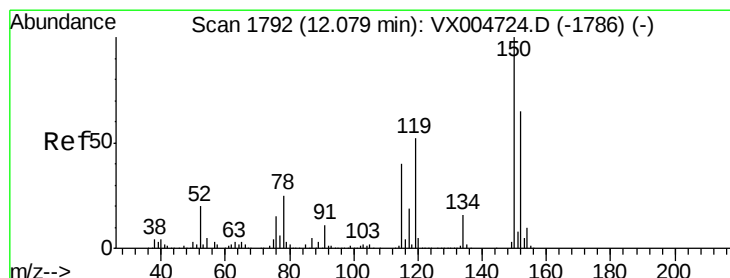
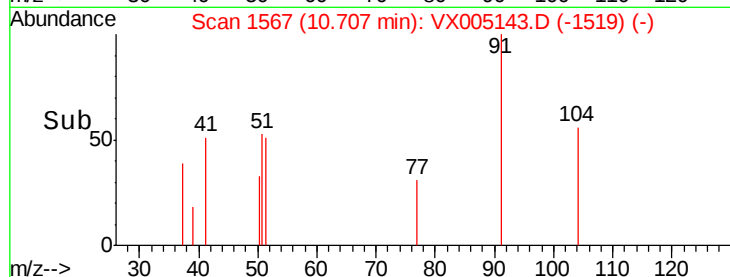
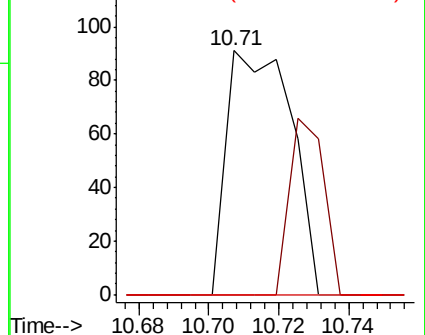
103 0.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

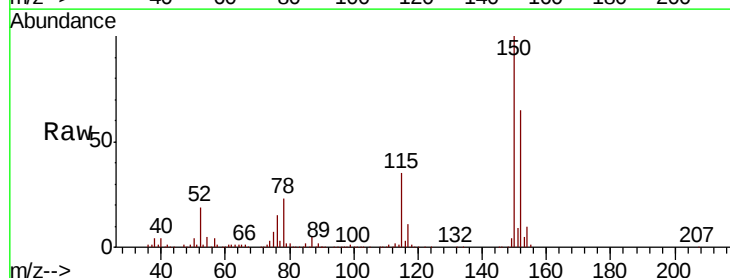
Tgt Ion:152 Resp: 169326

Ion Ratio Lower Upper

152 100

115 54.6 40.2 120.6

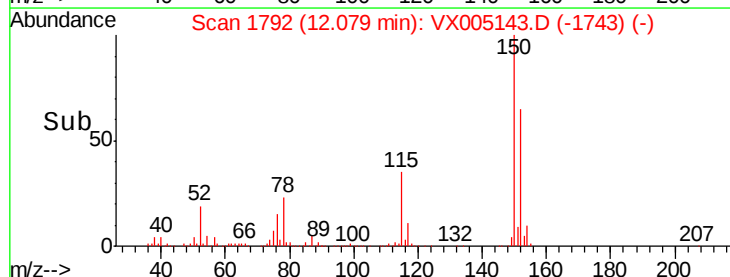
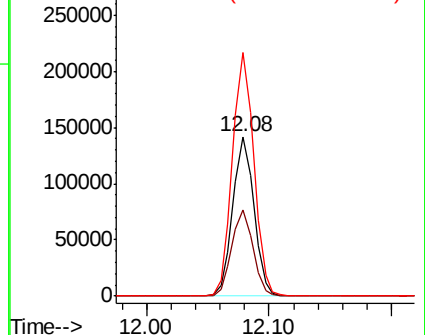
150 154.4 0.0 351.0

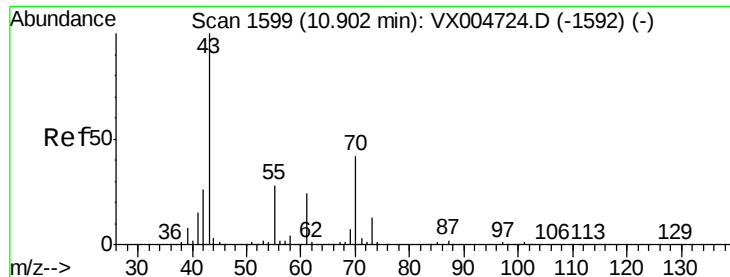


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.762 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

SA-TB03-20181003

Tot Ion: 43 Resp: 86

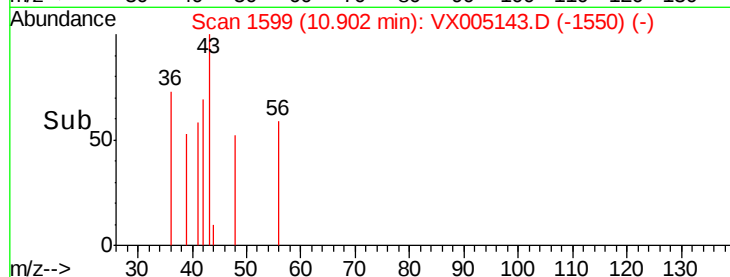
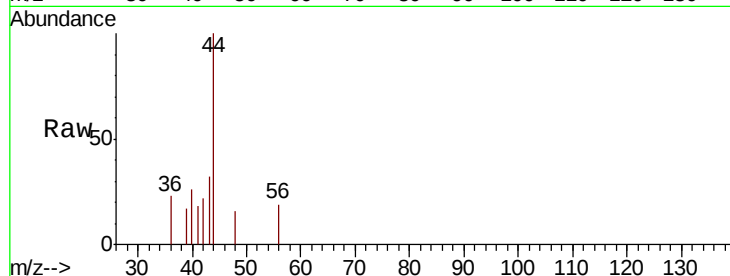
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

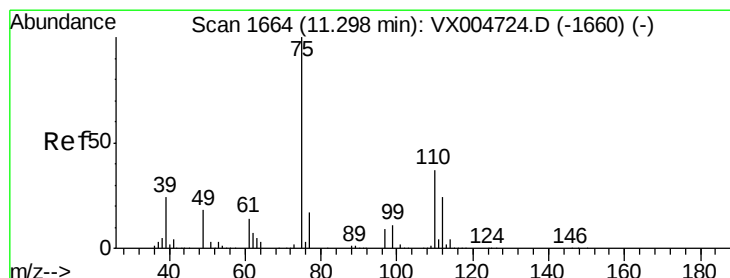
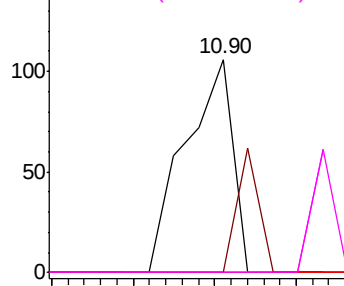


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 20.693 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005143.D

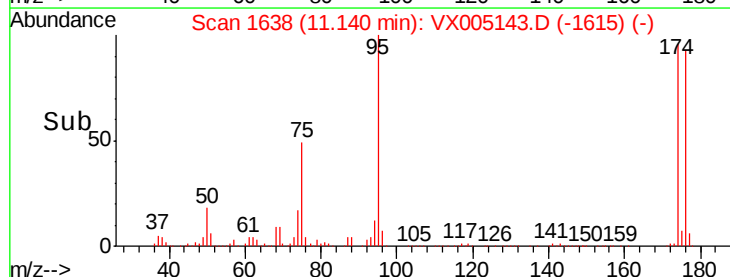
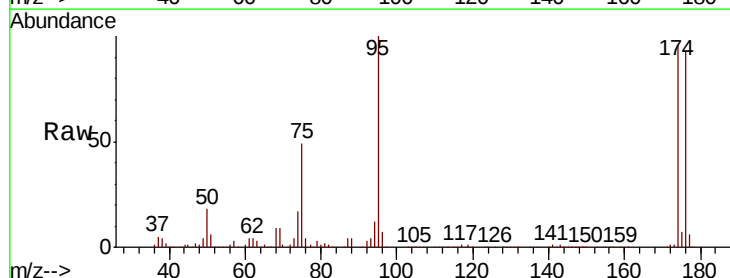
Acq: 08 Oct 2018 23:09

Tgt Ion: 75 Resp: 78533

Ion Ratio Lower Upper

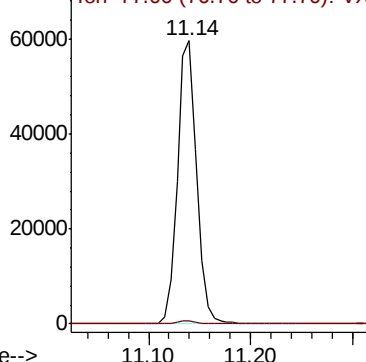
75 100

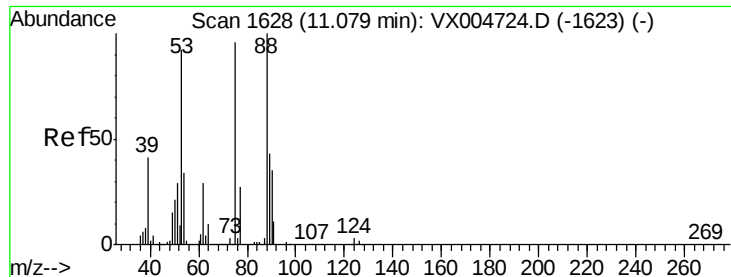
77 1.3 21.4 64.3#



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: 56.181 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

SA-TB03-20181003

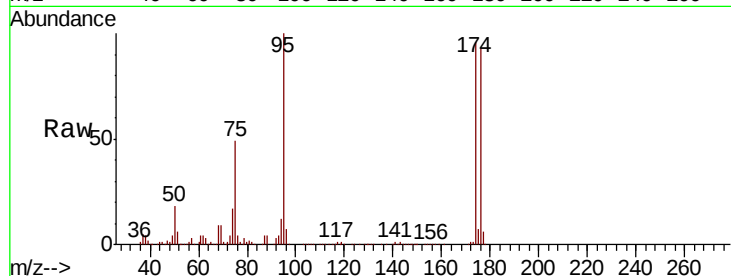
Tot Ion: 75 Resp: 78533

Ion Ratio Lower Upper

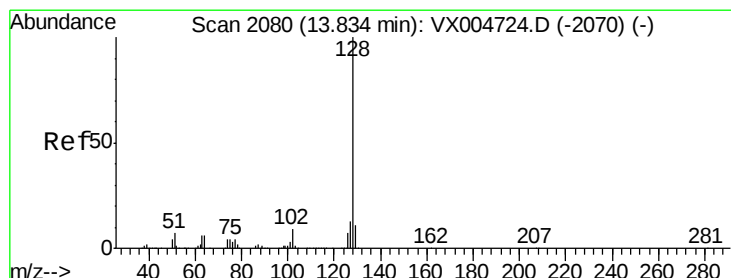
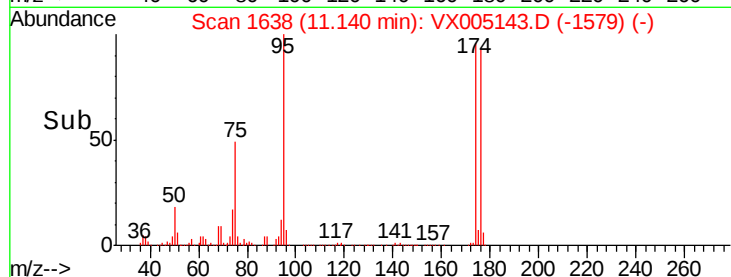
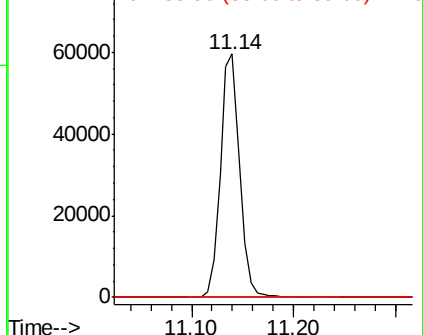
75 100

53 0.4 80.2 120.4#

89 0.0 37.1 55.7#



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: 0.768 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX005143.D

Acq: 08 Oct 2018 23:09

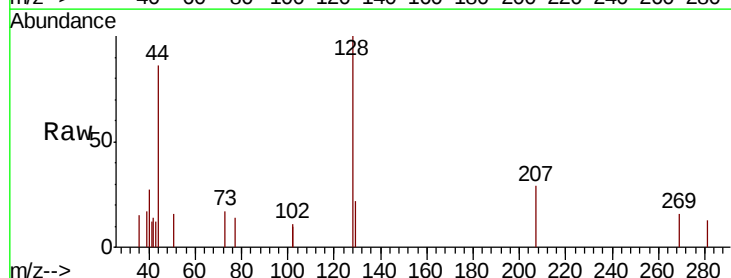
Tgt Ion:128 Resp: 687

Ion Ratio Lower Upper

128 100

127 3.3 10.4 15.6#

129 14.8 8.7 13.1#



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

