

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005098.D
 Acq On : 06 Oct 2018 06:26
 Operator : JC/MD
 Sample : J5207-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW511-1115

Quant Time: Oct 08 00:55:56 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	5.67	168	218210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322668	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	315169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180814	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	168771	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
35) Dibromofluoromethane	5.50	113	147757	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
50) Toluene-d8	8.72	98	461874	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.14	95	167820	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	

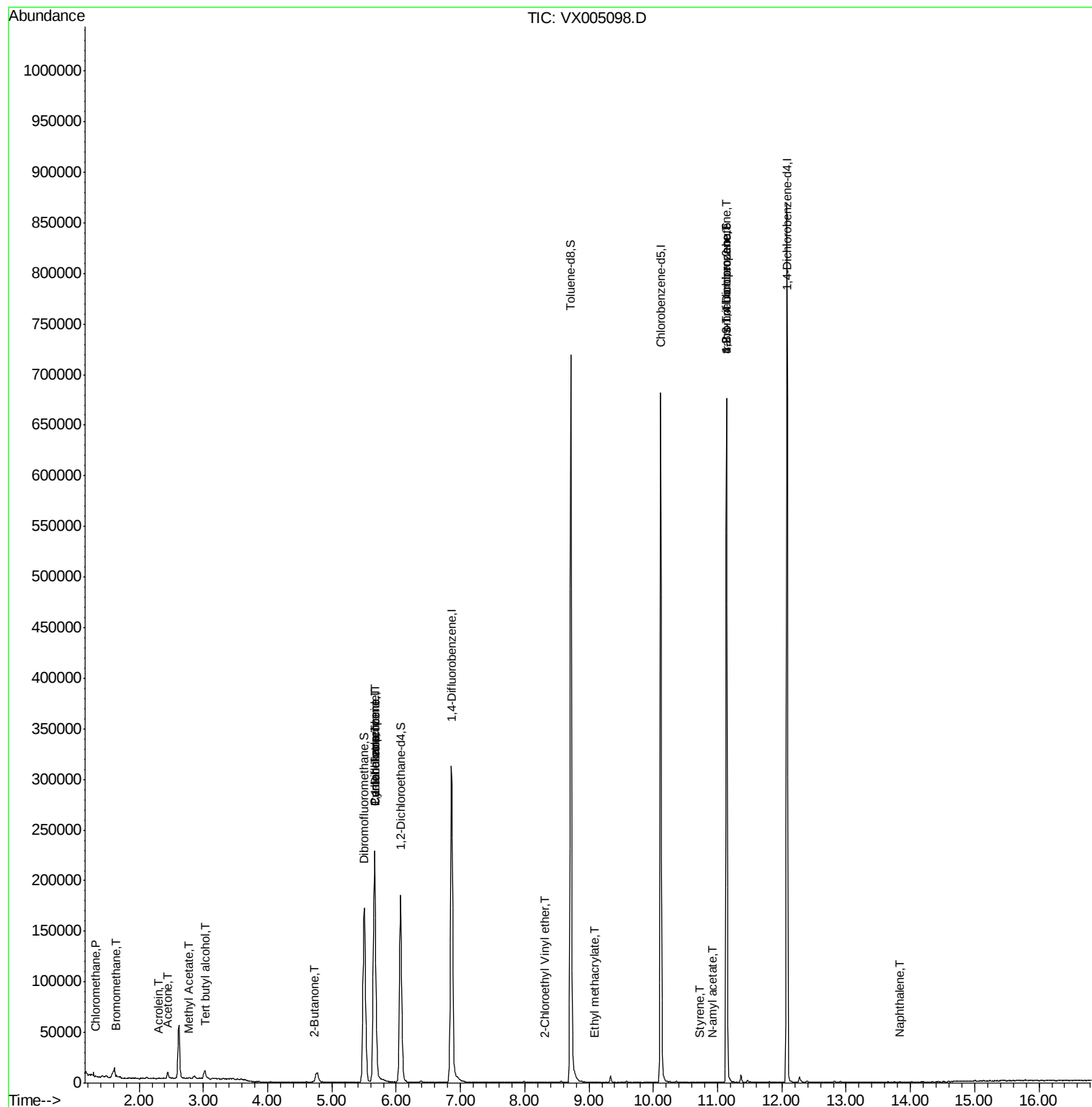
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	853	0.236	ug/l	100
5) Bromomethane	1.65	94	854	0.425	ug/l #	74
6) Chloroethane	1.71	64	168	Below Cal	#	4
11) Tert butyl alcohol	3.03	59	5435	6.236	ug/l #	83
13) Acrolein	2.30	56	139	0.224	ug/l	99
16) Acetone	2.45	43	6767	3.718	ug/l	98
18) Methyl Acetate	2.78	43	1192	0.259	ug/l	99
20) Methylene Chloride	2.86	84	1219	Below Cal	#	82
25) 2-Butanone	4.71	43	603	0.225	ug/l #	49
31) Cyclohexane	5.67	56	4016	1.013	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16034	4.297	ug/l #	46
38) Carbon Tetrachloride	5.67	117	20781	5.299	ug/l #	18
56) Ethyl methacrylate	9.07	69	45	2.871	ug/l #	43
58) 2-Chloroethyl Vinyl ether	8.32	63	41	14.258	ug/l #	49
70) Styrene	10.73	104	128	2.155	ug/l #	38
74) N-amyl acetate	10.92	43	156	1.772	ug/l #	46
76) 1,2,3-Trichloropropane	11.14	75	82883	20.451	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	177	Below Cal		93
81) trans-1,4-Dichloro-2-buten	11.14	75	82883	55.549	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	264	Below Cal		92
95) Naphthalene	13.83	128	559	0.756	ug/l #	81

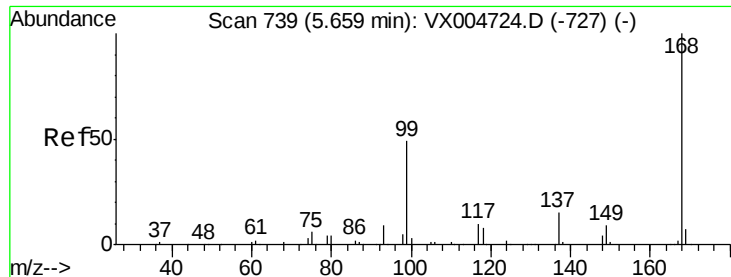
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 08 00:55:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005098.D

Acq: 06 Oct 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

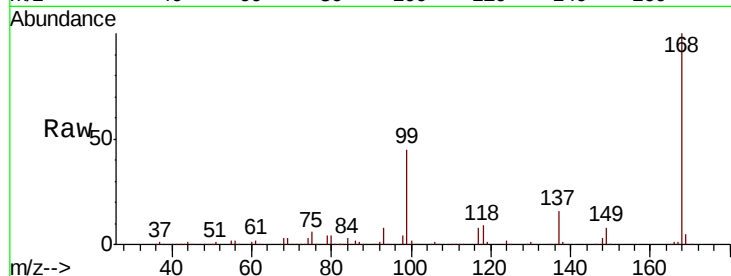
SA-TW511-1115

Tot Ion:168 Resp: 218210

Ion Ratio Lower Upper

168 100

99 44.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

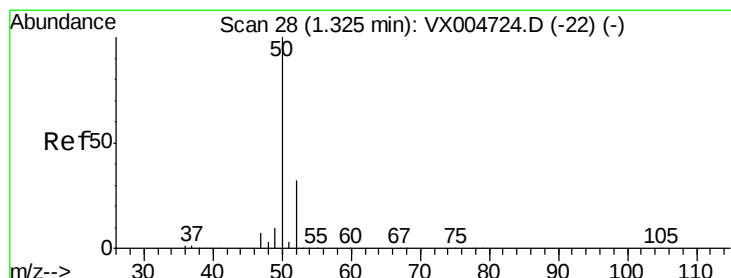
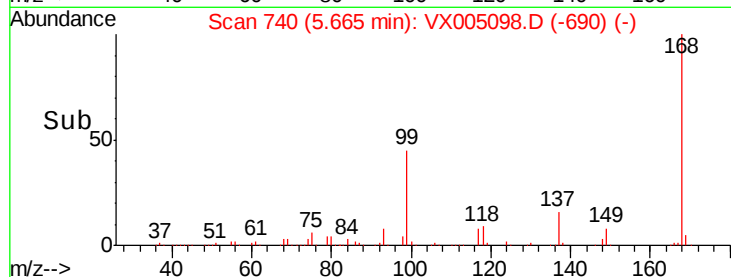
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.236 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005098.D

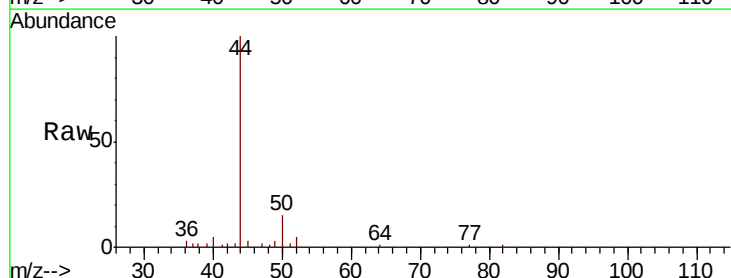
Acq: 06 Oct 2018 06:26

Tgt Ion: 50 Resp: 853

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

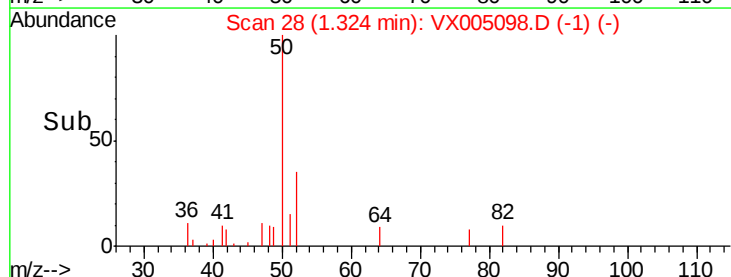
400

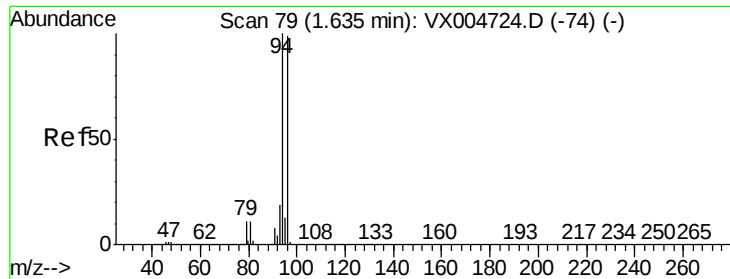
200

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.425 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005098.D

Acq: 06 Oct 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

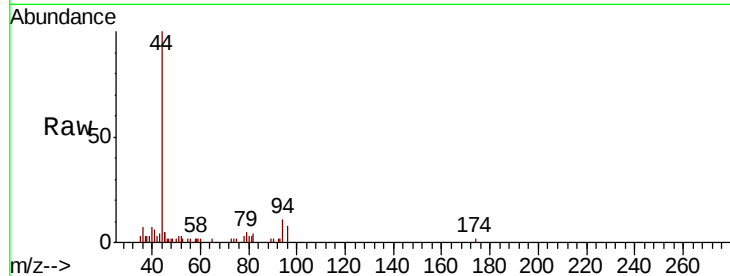
SA-TW511-1115

Tot Ion: 94 Resp: 854

Ion Ratio Lower Upper

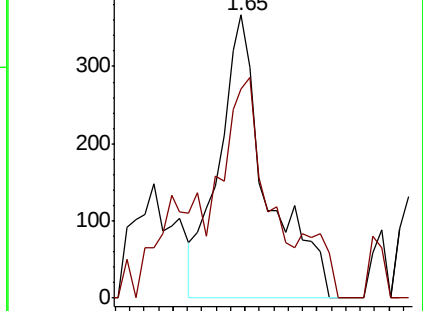
94 100

96 73.8 79.5 119.3#

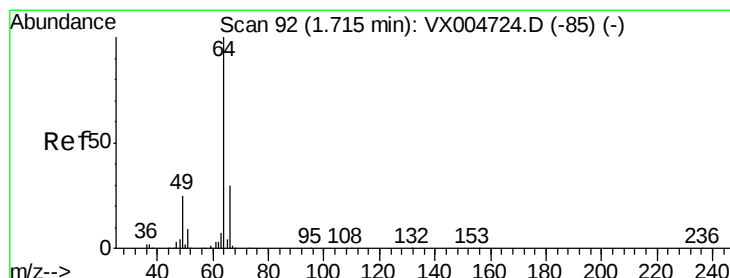
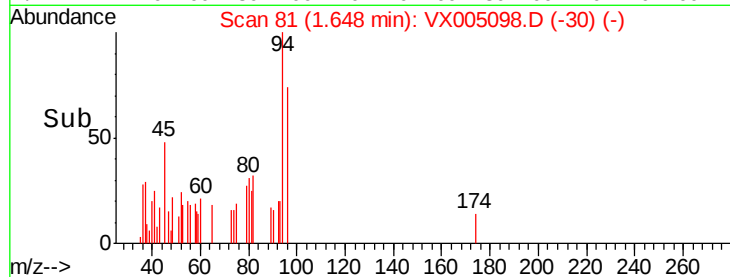


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005098.D

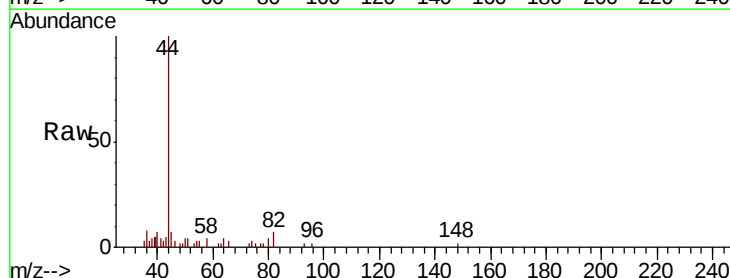
Acq: 06 Oct 2018 06:26

Tgt Ion: 64 Resp: 168

Ion Ratio Lower Upper

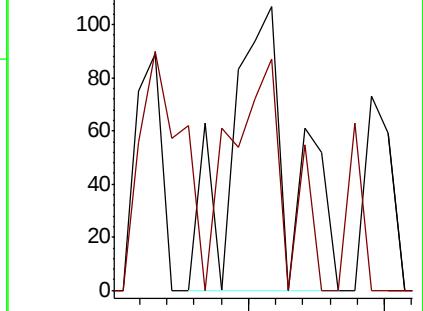
64 100

66 81.3 23.8 35.6#

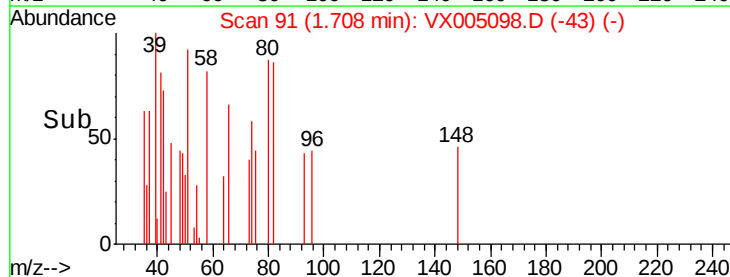


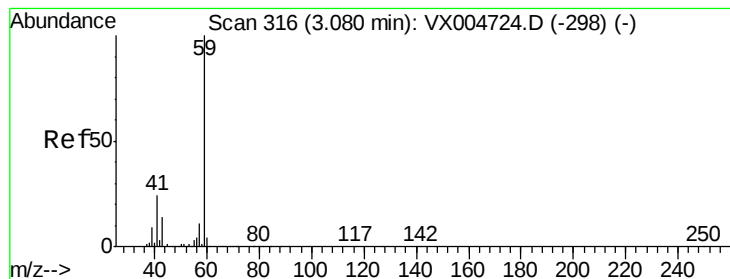
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#11

Tert butyl alcohol

Concen: 6.236 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005098.D

Acq: 06 Oct 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

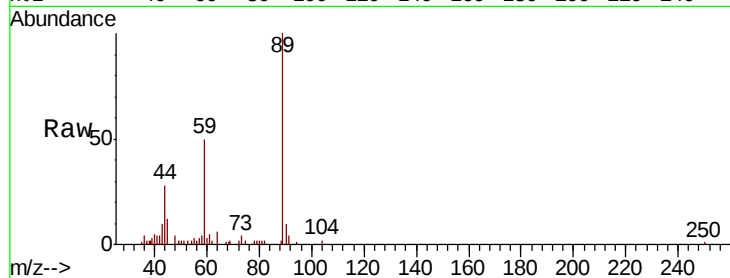
SA-TW511-1115

Tot Ion: 59 Resp: 5435

Ion Ratio Lower Upper

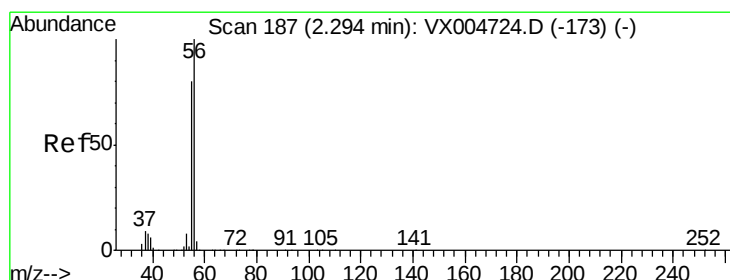
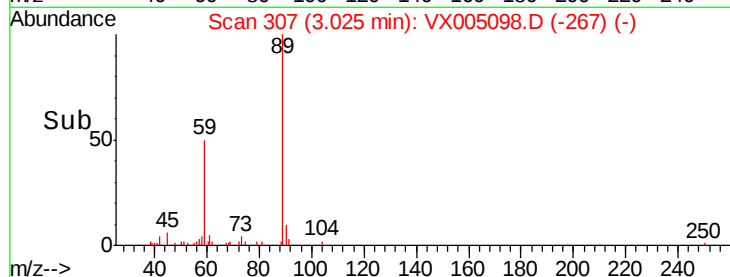
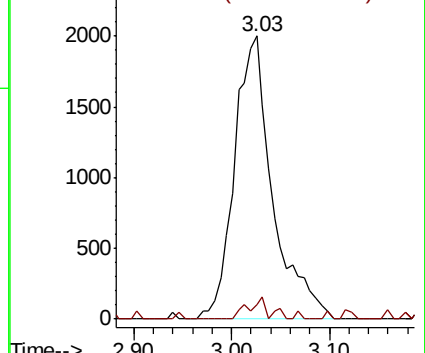
59 100

57 4.2 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: 0.224 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005098.D

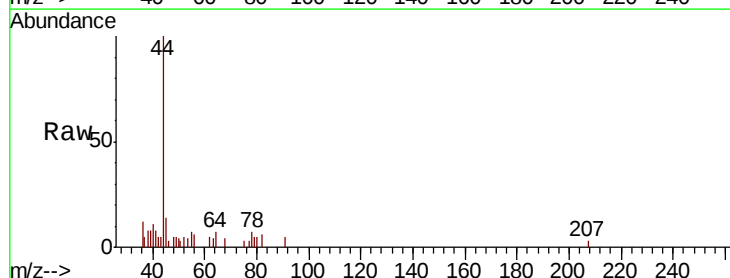
Acq: 06 Oct 2018 06:26

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

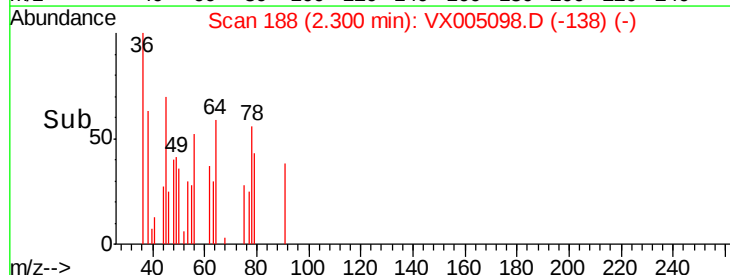
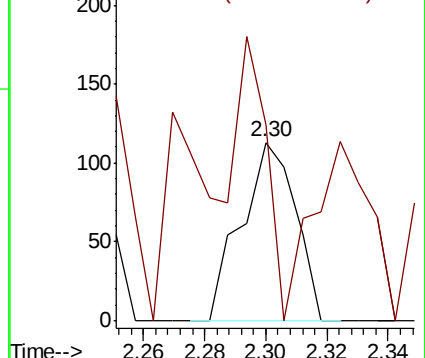
56 100

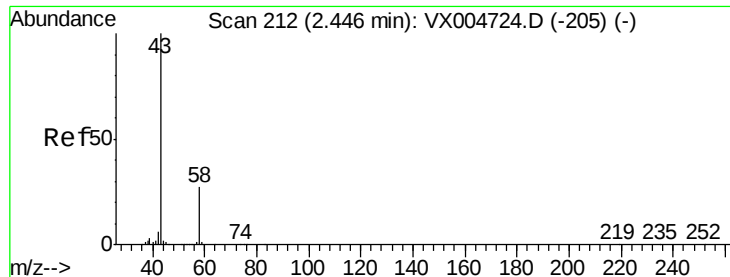
55 79.9 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.718 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005098.D

Acq: 06 Oct 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

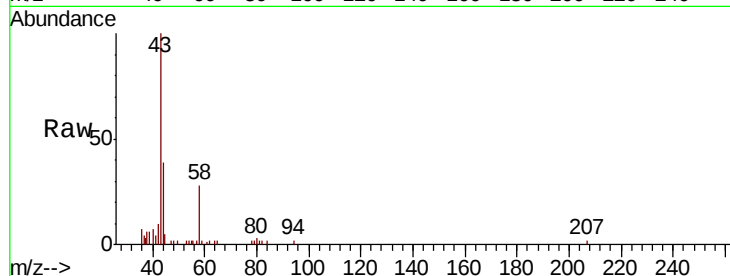
SA-TW511-1115

Tot Ion: 43 Resp: 6767

Ion Ratio Lower Upper

43 100

58 28.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

3000

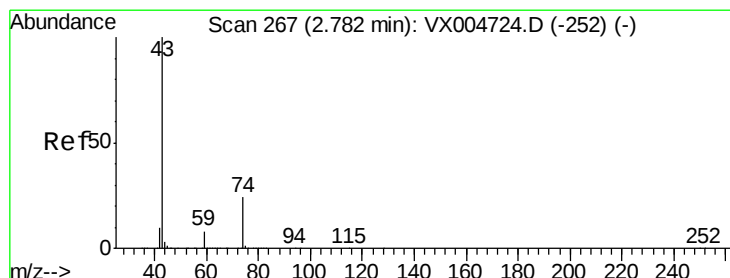
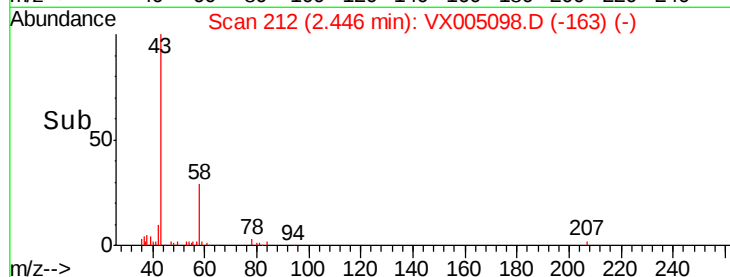
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 0.259 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005098.D

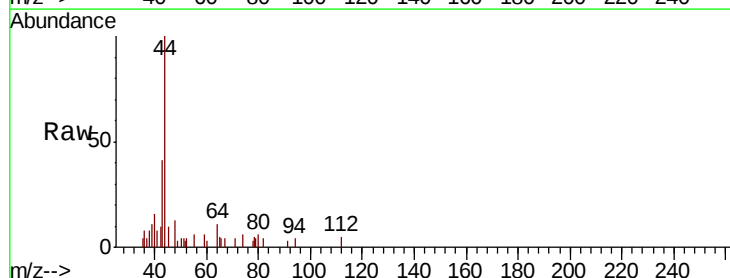
Acq: 06 Oct 2018 06:26

Tgt Ion: 43 Resp: 1192

Ion Ratio Lower Upper

43 100

74 21.7 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

600

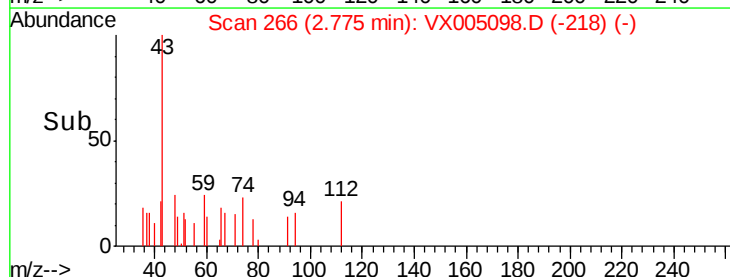
400

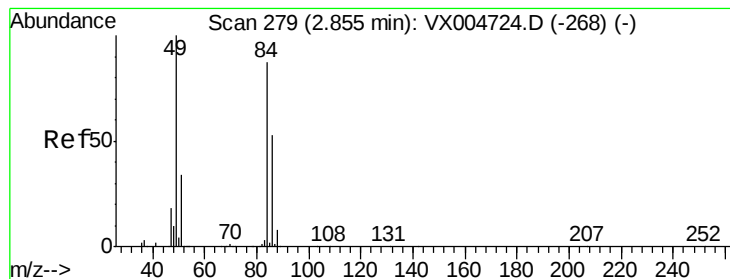
200

0

Time-->

2.70 2.75 2.80 2.85





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005098.D

Acq: 06 Oct 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

SA-TW511-1115

Tot Ion: 84 Resp: 1219

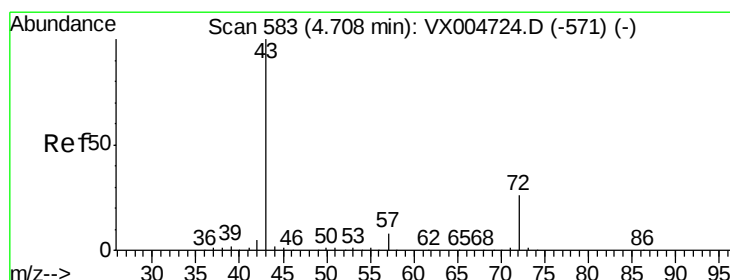
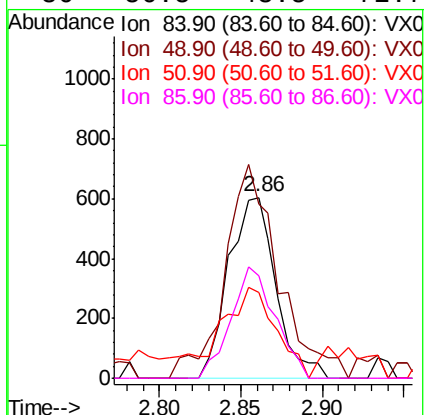
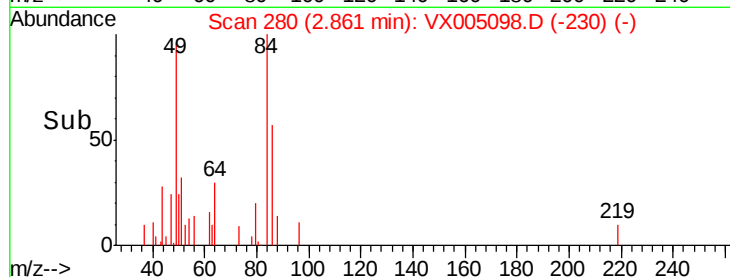
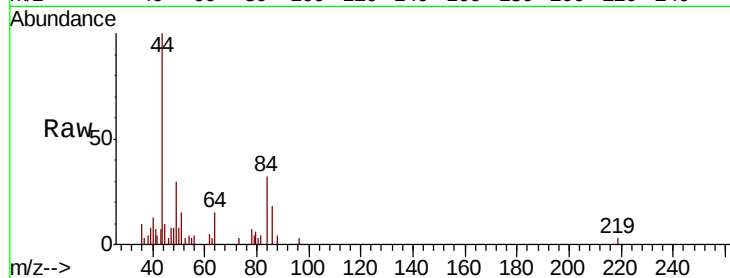
Ion Ratio Lower Upper

84 100

49 84.5 92.3 138.5#

51 35.5 31.8 47.6

86 56.5 48.5 72.7



#25

2-Butanone

Concen: 0.225 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005098.D

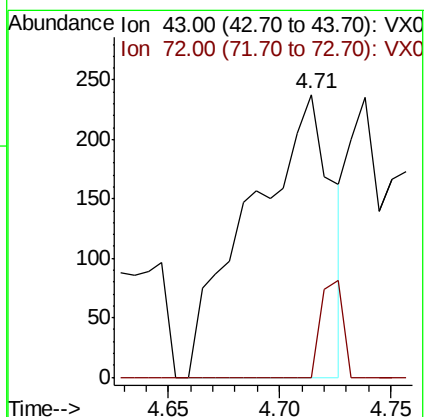
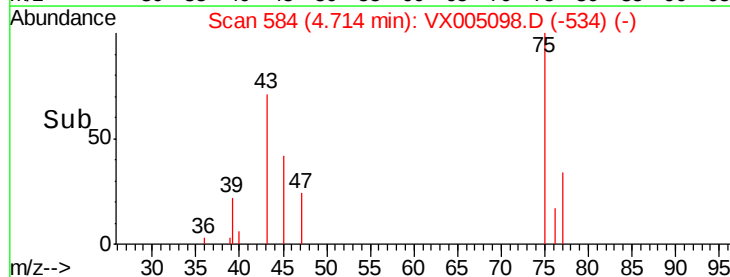
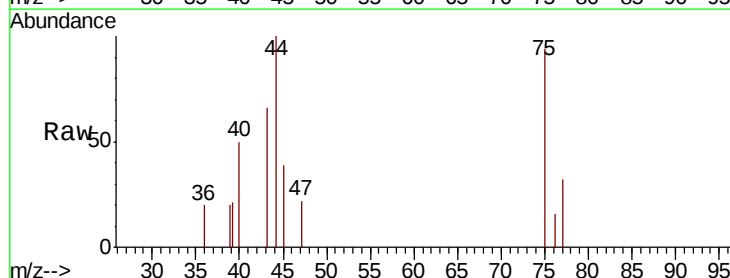
Acq: 06 Oct 2018 06:26

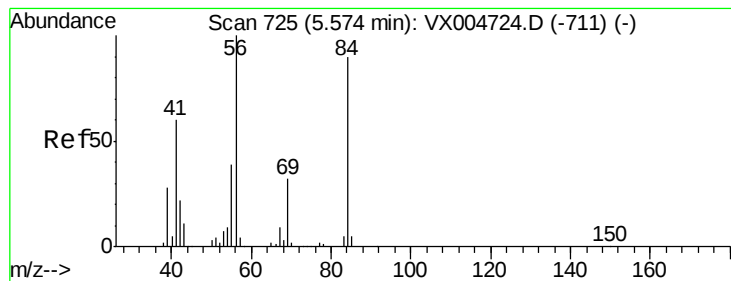
Tgt Ion: 43 Resp: 603

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#





#31

Cyclohexane

Concen: 1.013 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005098.D

Acq: 06 Oct 2018 06:26

Instrument :

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ClientSampleId :

SA-TW511-1115

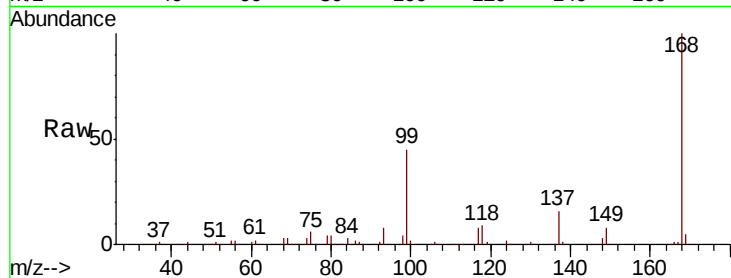
Tot Ion: 56 Resp: 4016

Ion Ratio Lower Upper

56 100

69 155.7 25.9 38.9#

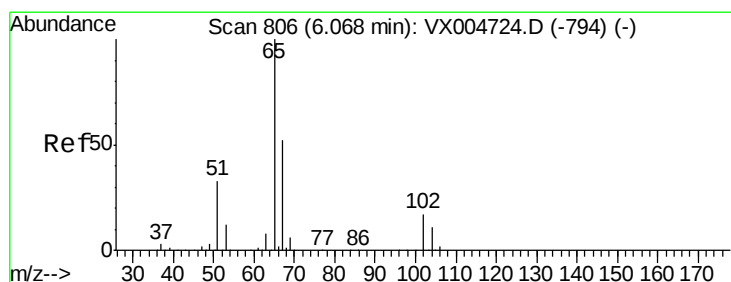
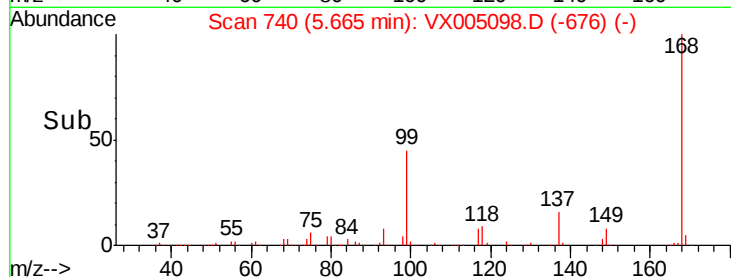
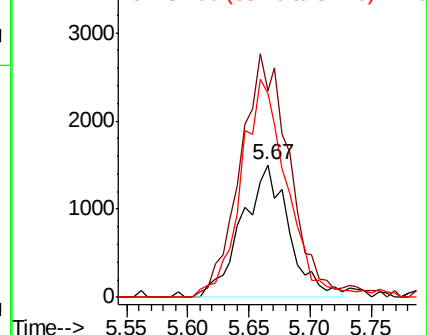
84 153.7 71.9 107.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.143 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005098.D

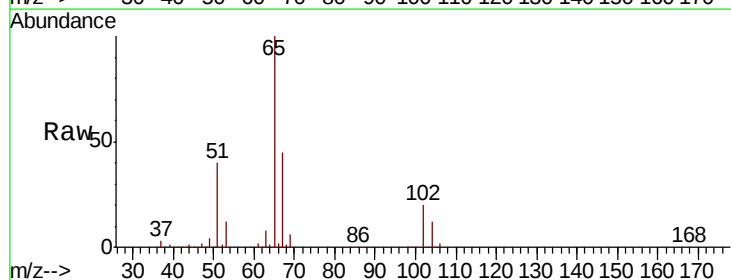
Acq: 06 Oct 2018 06:26

Tgt Ion: 65 Resp: 168771

Ion Ratio Lower Upper

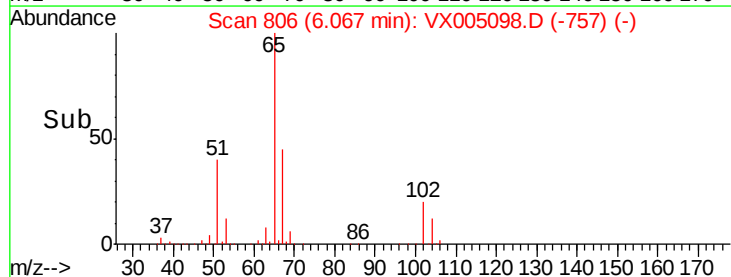
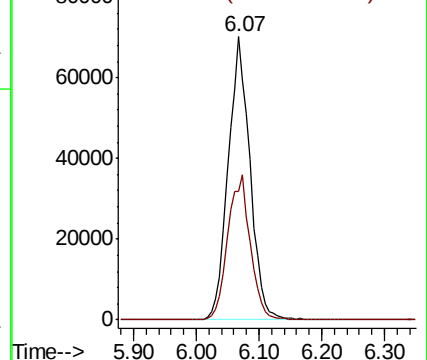
65 100

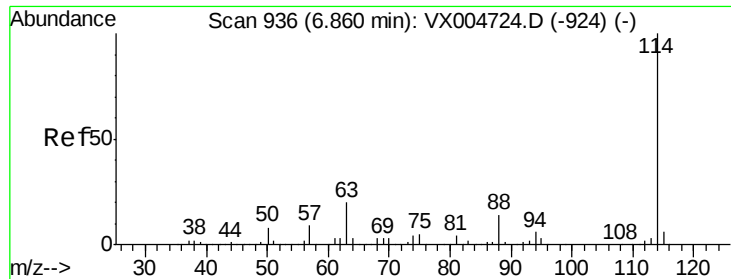
67 52.8 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

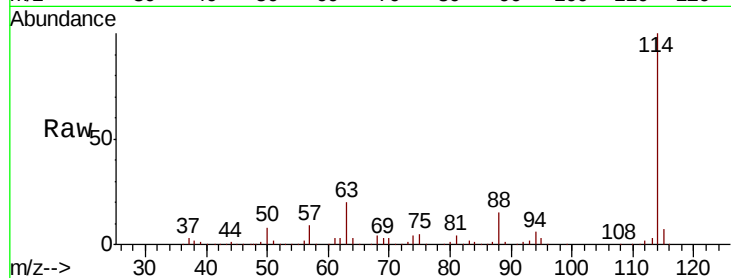




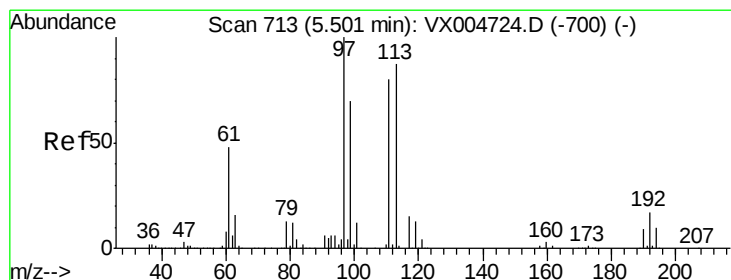
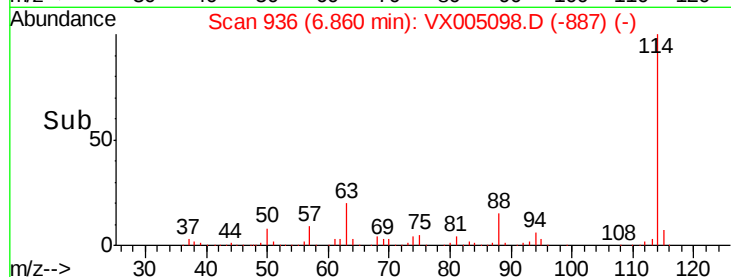
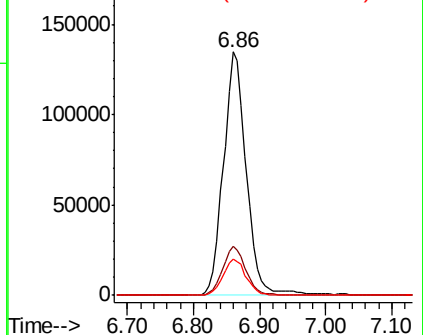
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005098.D
Acq: 06 Oct 2018 06:26

Instrument :
MSVOA_X
ClientSampleId :
SA-TW511-1115

Tot Ion:114 Resp: 322668
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.8
88 15.1 0.0 27.0

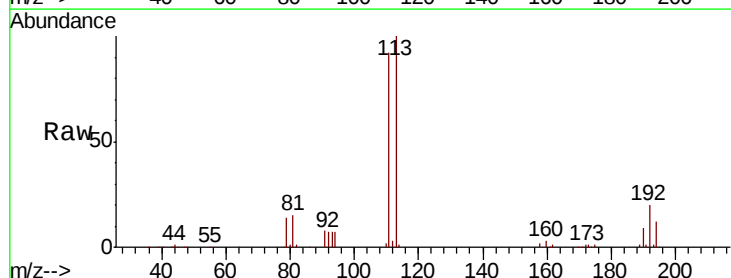


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

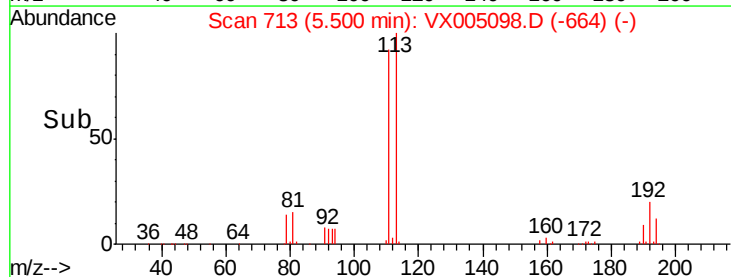
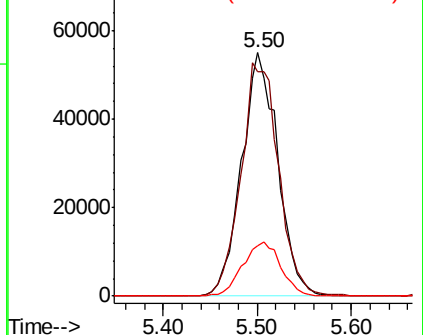


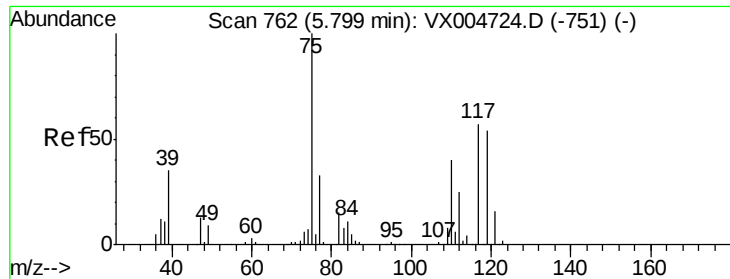
#35
Dibromofluoromethane
Concen: 54.031 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005098.D
Acq: 06 Oct 2018 06:26

Tgt Ion:113 Resp: 147757
Ion Ratio Lower Upper
113 100
111 100.2 77.0 115.4
192 23.5 17.0 25.6



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

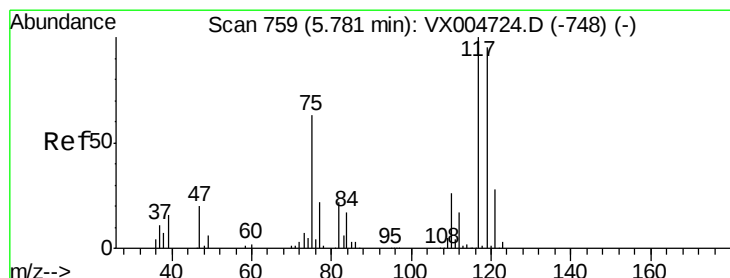
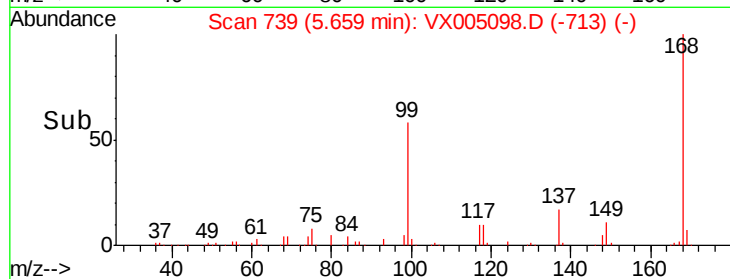
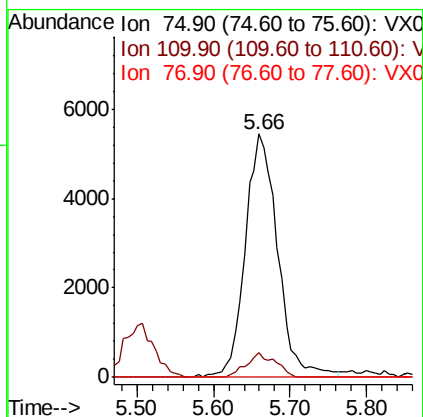
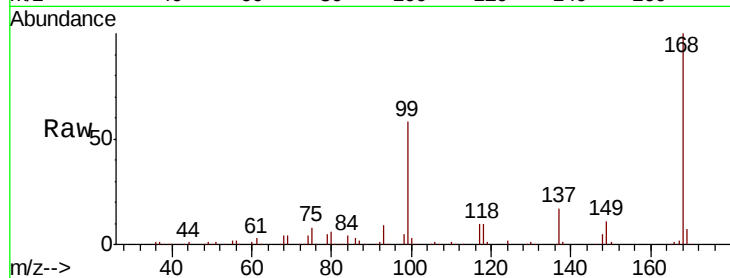




#36
 1,1-Dichloropropene
 Concen: 4.297 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005098.D
 Acq: 06 Oct 2018 06:26

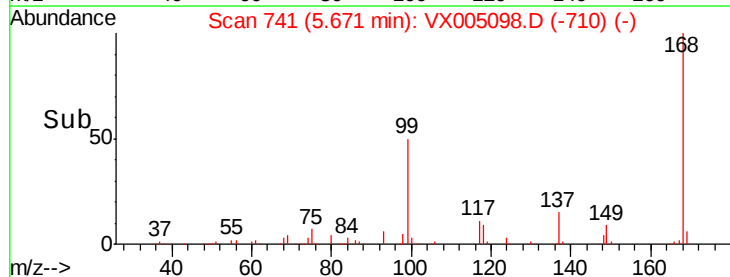
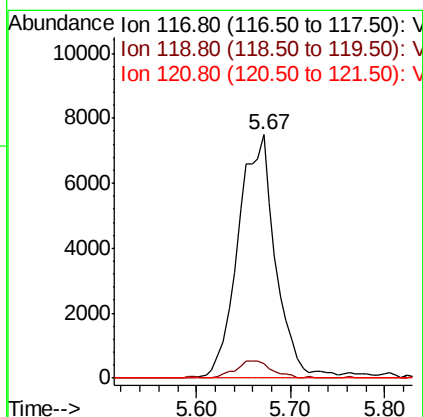
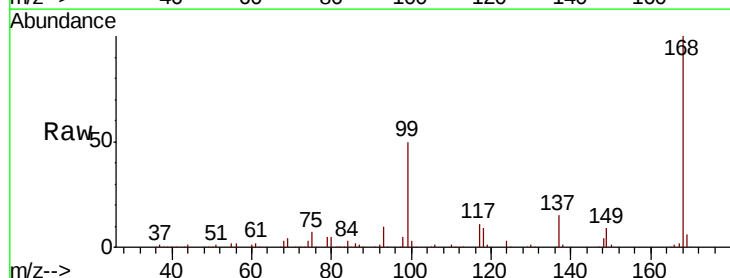
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW511-1115

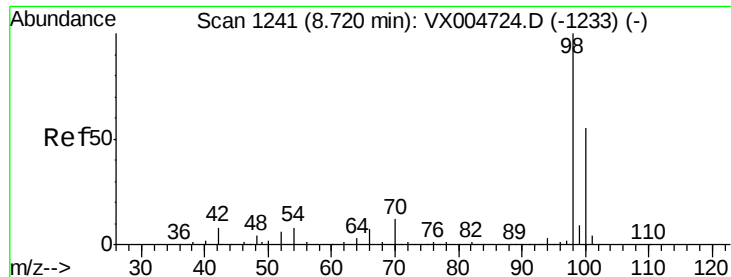
Tot Ion	75	Resp	16034
Ion Ratio	100	Lower	Upper
75	100		
110	9.1	20.0	59.9#
77	0.0	27.1	40.7#



#38
 Carbon Tetrachloride
 Concen: 5.299 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX005098.D
 Acq: 06 Oct 2018 06:26

Tgt Ion	117	Resp	20781
Ion Ratio	100	Lower	Upper
117	100		
119	6.1	75.2	112.8#
121	0.0	22.5	33.7#





#50

Toluene-d8

Concen: 50.804 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005098.D

Acq: 06 Oct 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

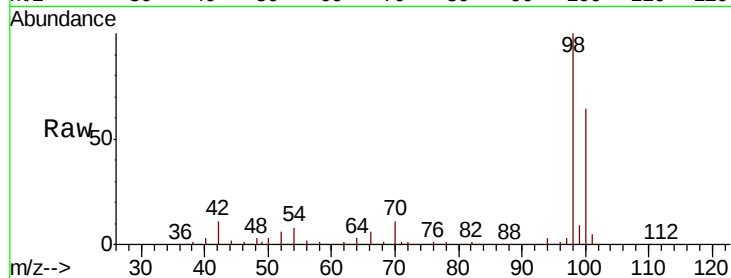
SA-TW511-1115

Tot Ion: 98 Resp: 461874

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): VX

8.72

250000

200000

150000

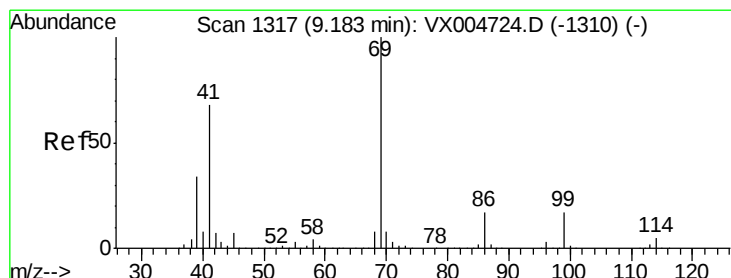
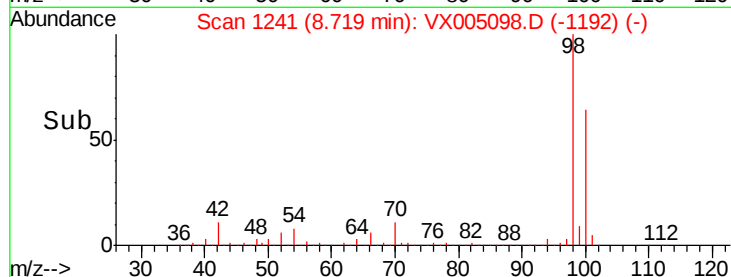
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#56

Ethyl methacrylate

Concen: 2.871 ug/l

RT: 9.07 min Scan# 1299

Delta R.T. -0.11 min

Lab File: VX005098.D

Acq: 06 Oct 2018 06:26

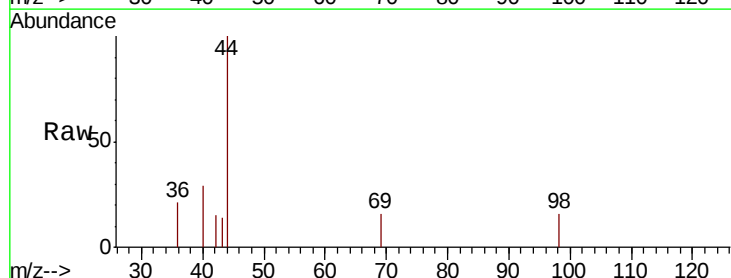
Tgt Ion: 69 Resp: 45

Ion Ratio Lower Upper

69 100

41 93.3 56.9 85.3#

39 104.4 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

80

60

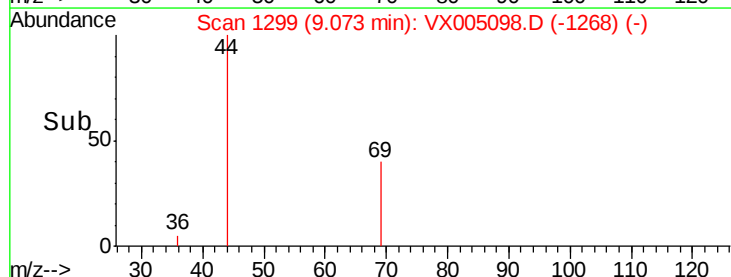
40

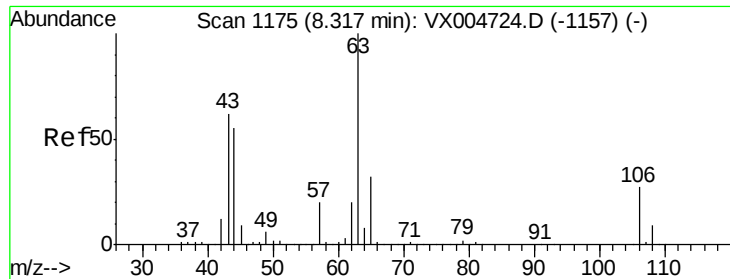
20

0

Time-->

9.06 9.08 9.10

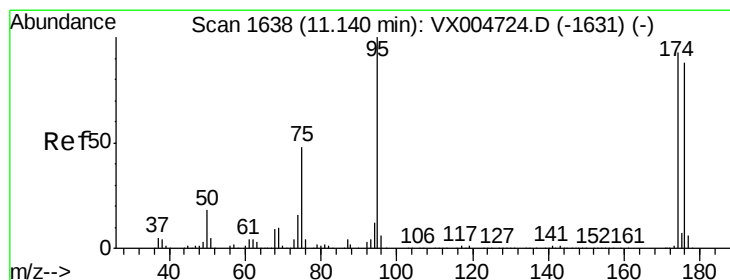
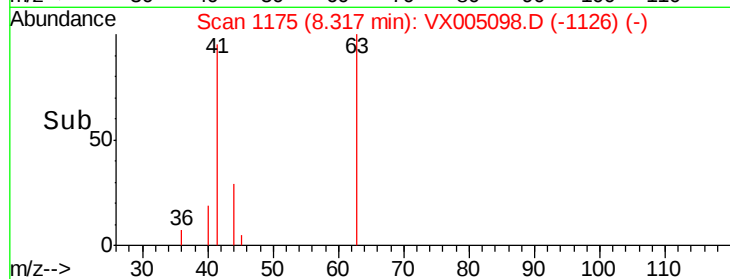
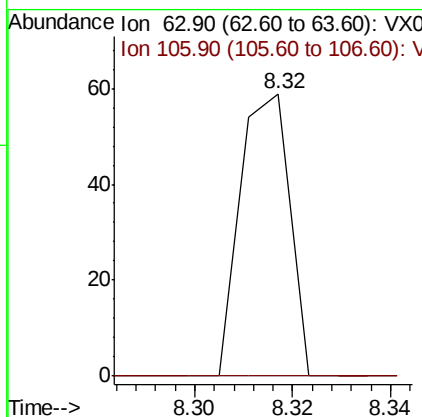
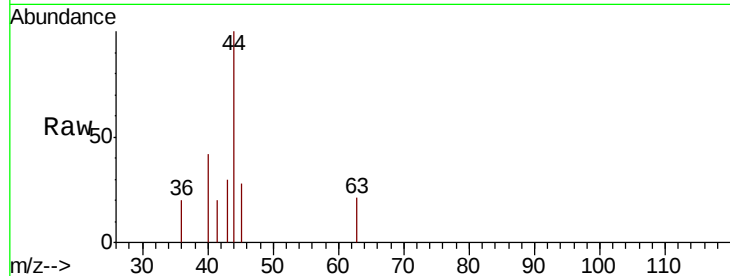




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.258 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005098.D
 Acq: 06 Oct 2018 06:26

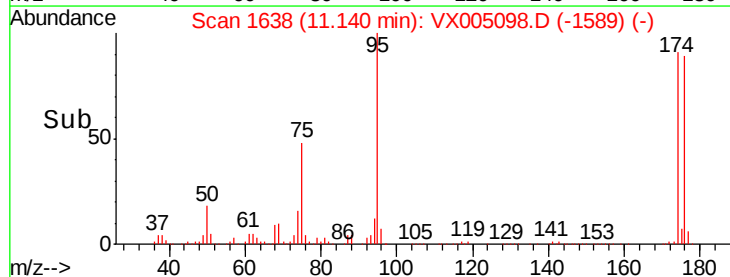
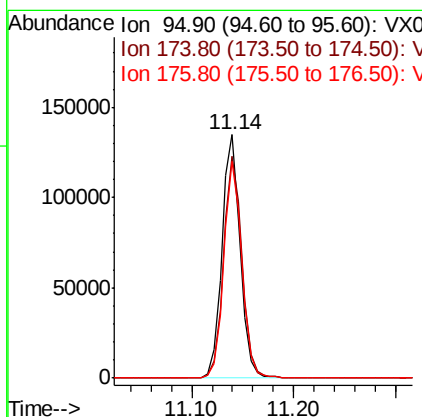
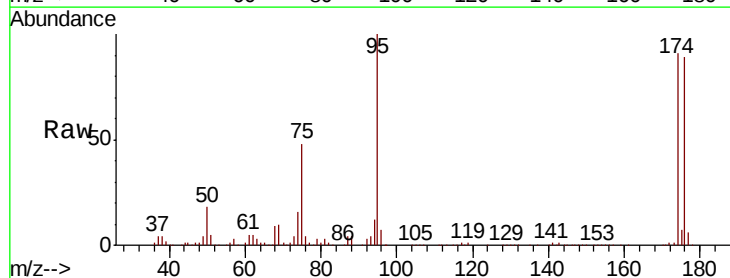
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW511-1115

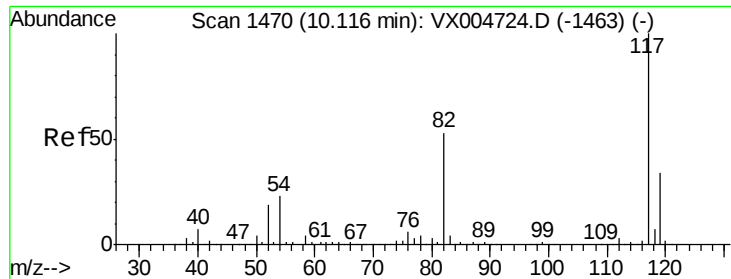
Tot Ion: 63 Resp: 41
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#62
 4-Bromofluorobenzene
 Concen: 51.240 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005098.D
 Acq: 06 Oct 2018 06:26

Tgt Ion: 95 Resp: 167820
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 185.0
 176 88.1 0.0 180.2

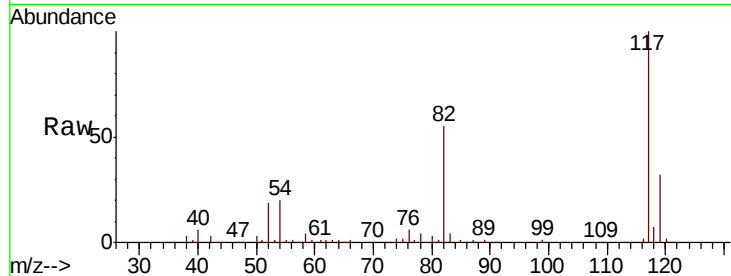




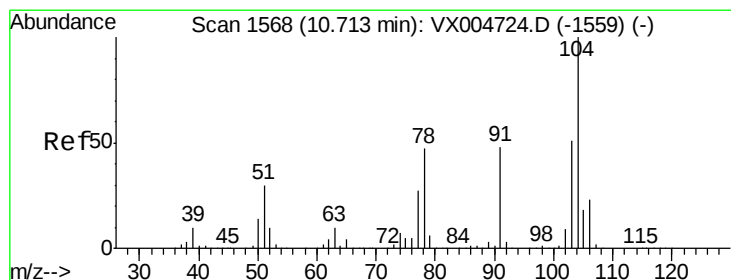
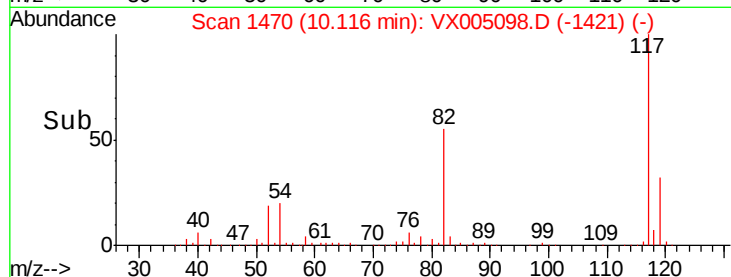
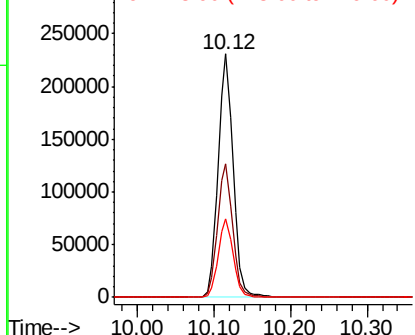
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005098.D
Acq: 06 Oct 2018 06:26

Instrument :
MSVOA_X
ClientSampleId :
SA-TW511-1115

Tot Ion:117 Resp: 315169
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.4
119 32.4 27.4 41.0

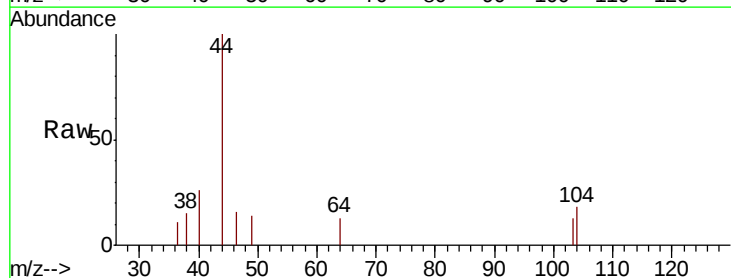


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

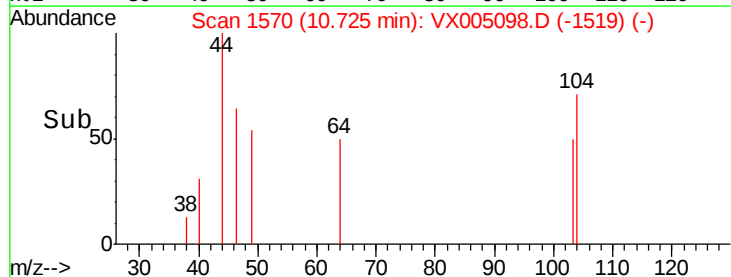
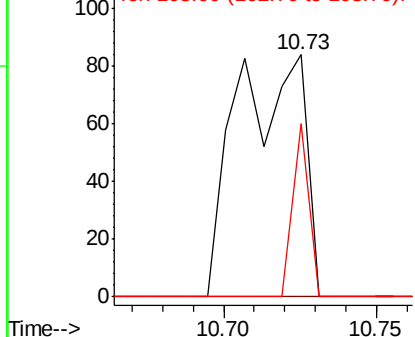


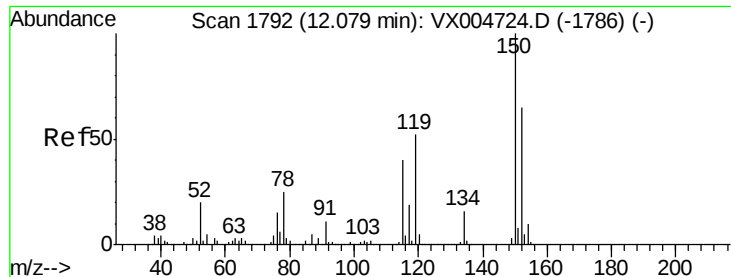
#70
Styrene
Concen: 2.155 ug/l
RT: 10.73 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VX005098.D
Acq: 06 Oct 2018 06:26

Tgt Ion:104 Resp: 128
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 17.2 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: VX005098.D

Acq: 06 Oct 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

SA-TW511-1115

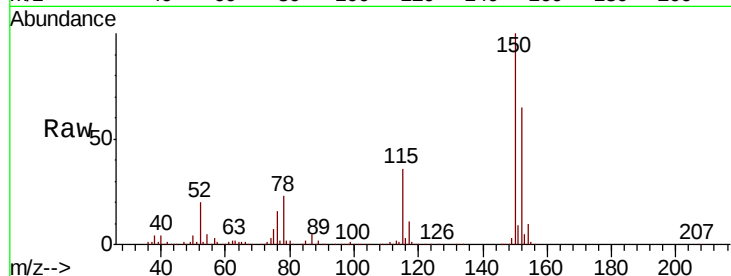
Tot Ion:152 Resp: 180814

Ion Ratio Lower Upper

152 100

115 55.1 40.2 120.6

150 154.1 0.0 351.0

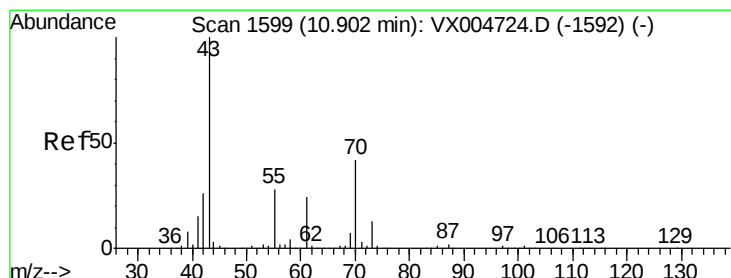
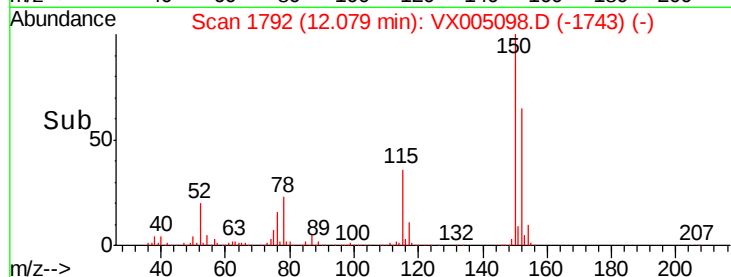
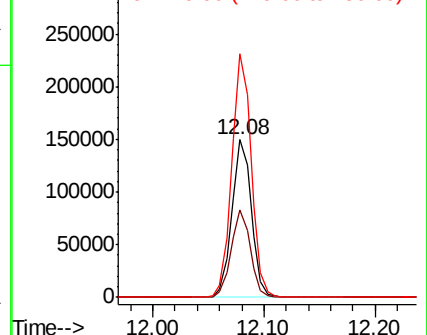


Abundance

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-ethyl acetate

Concen: 1.772 ug/l

RT: 10.92 min Scan# 1602

Delta R.T. 0.02 min

Lab File: VX005098.D

Acq: 06 Oct 2018 06:26

Tgt Ion: 43 Resp: 156

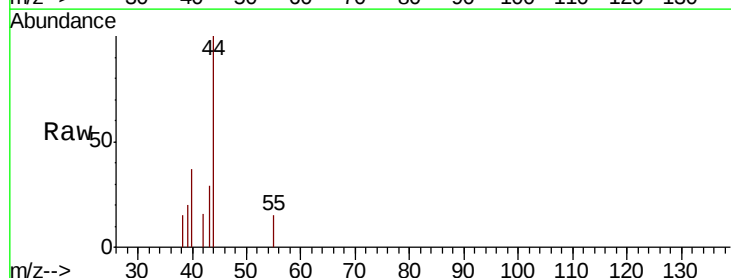
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 49.4 21.6 32.4#

61 0.0 19.1 28.7#



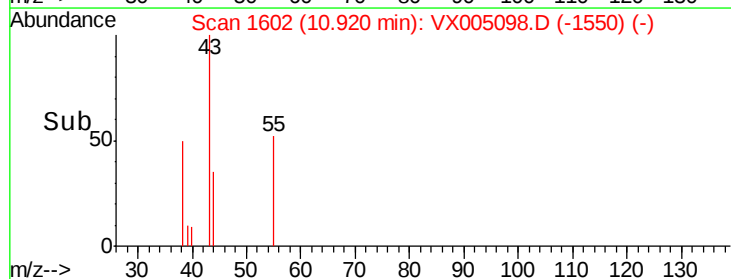
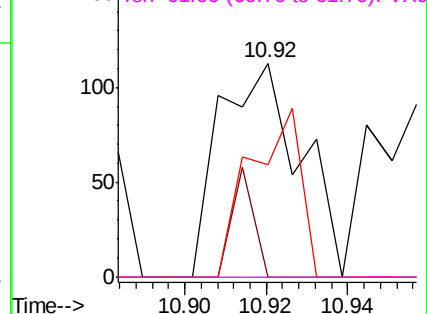
Abundance

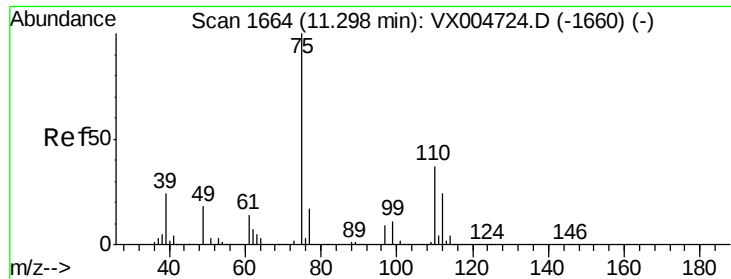
Ion 43.00 (42.70 to 43.70): VX0

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

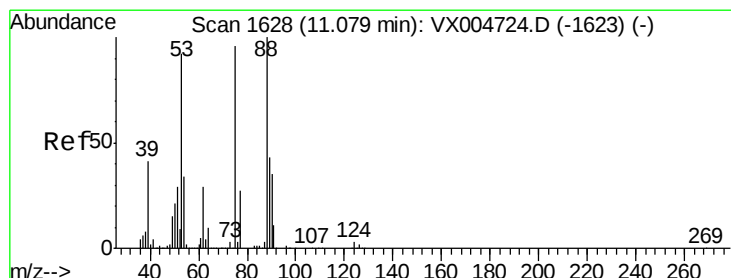
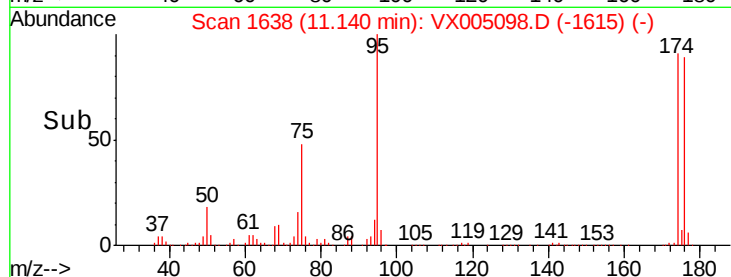
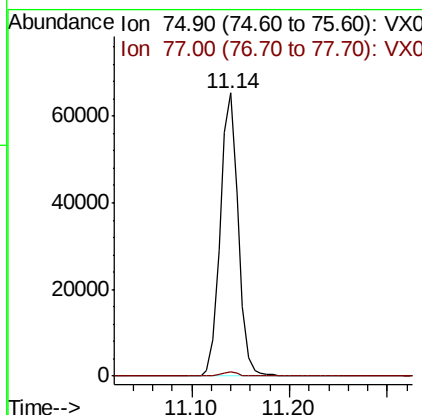
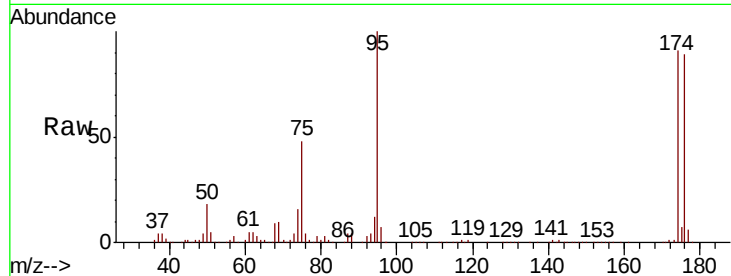




#76
 1,2,3-Trichloropropane
 Concen: 20.451 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005098.D
 Acq: 06 Oct 2018 06:26

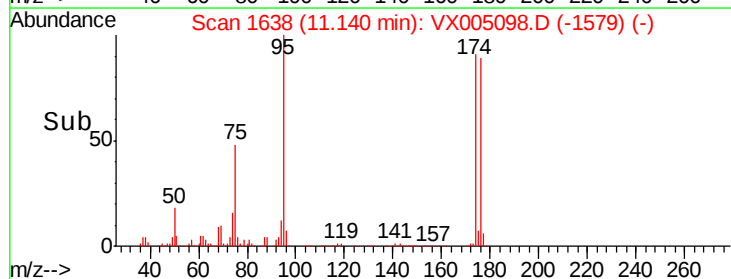
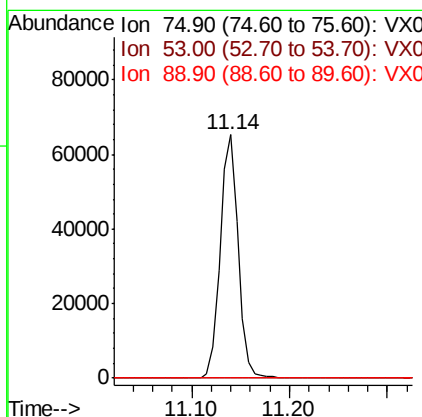
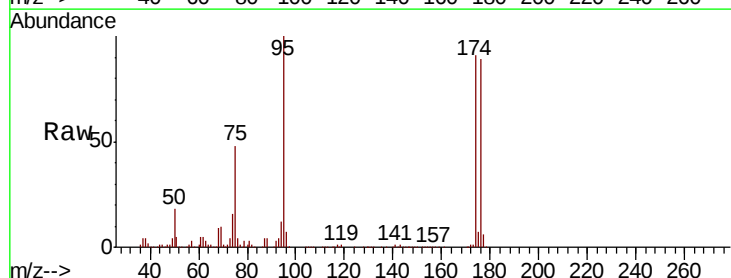
Instrument :
 MSVOA_X
 ClientSampled :
 SA-TW511-1115

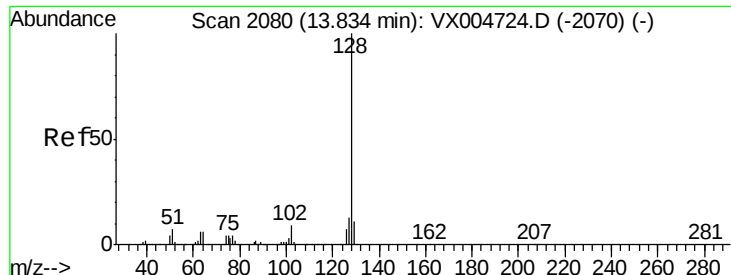
Tot Ion: 75 Resp: 82883
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.549 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX005098.D
 Acq: 06 Oct 2018 06:26

Tgt Ion: 75 Resp: 82883
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.4#
 89 0.0 37.1 55.7#





#95
Naphthalene
Concen: 0.756 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005098.D
Acq: 06 Oct 2018 06:26

Instrument :
MSVOA_X
ClientSampleId :
SA-TW511-1115

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.4	15.6#
129	0.0	8.7	13.1#

