

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
 Data File : VX007142.D
 Acq On : 18 Jan 2019 18:28
 Operator : JC/SP
 Sample : K1199-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW519-2327

Quant Time: Jan 18 21:53:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	549417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	850460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	789363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	390005	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	296168	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
35) Dibromofluoromethane	5.50	113	258552	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	8.71	98	1007463	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	365070	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	

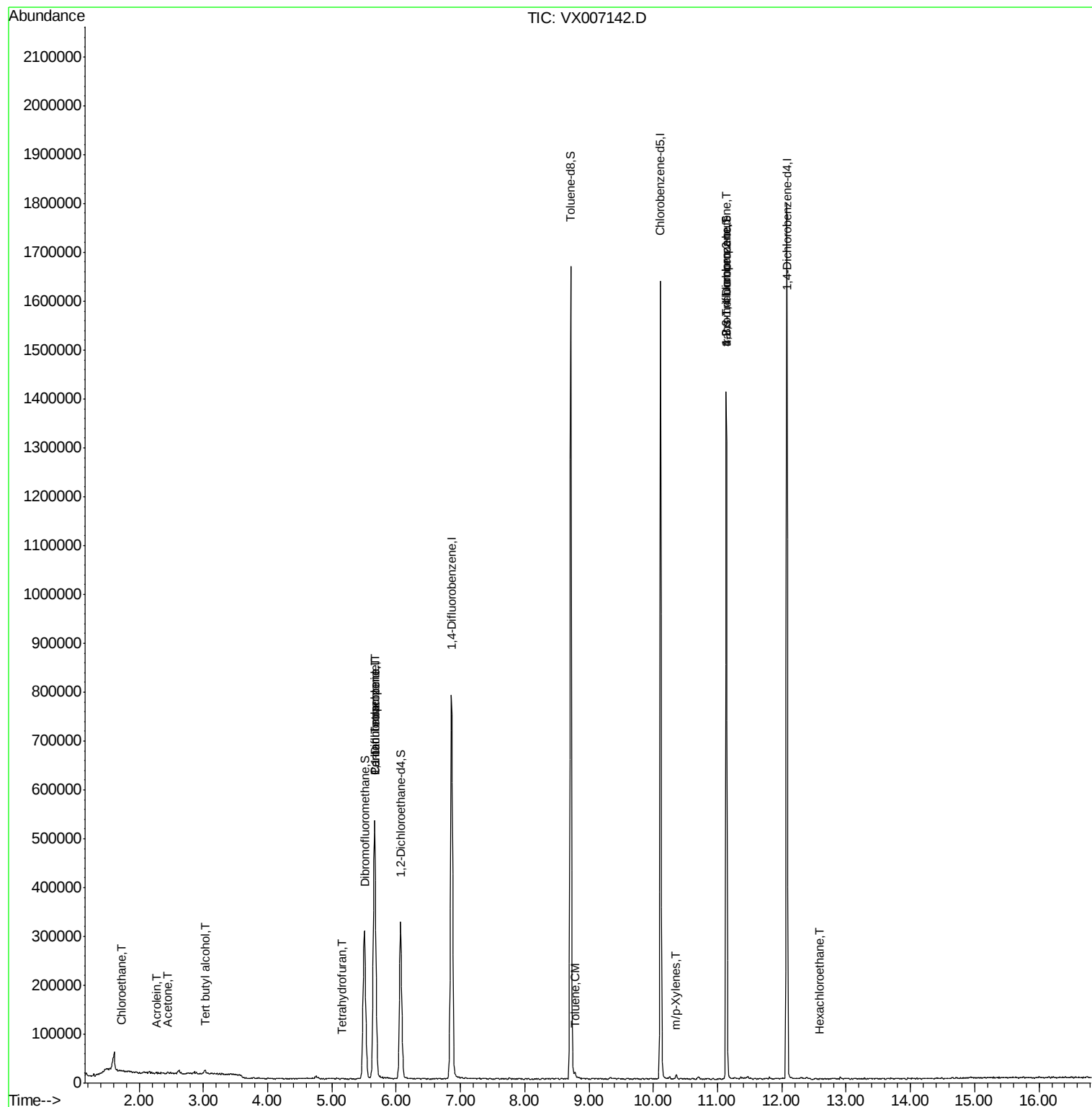
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	863	0.219	ug/l #	42
11) Tert butyl alcohol	3.03	59	5420	4.002	ug/l #	88
13) Acrolein	2.28	56	203	3.427	ug/l #	80
16) Acetone	2.45	43	3755	1.323	ug/l #	84
20) Methylene Chloride	2.87	84	2559	Below Cal	#	43
29) Tetrahydrofuran	5.15	42	605	0.229	ug/l #	59
36) 1,1-Dichloropropene	5.67	75	35185	4.759	ug/l #	50
38) Carbon Tetrachloride	5.67	117	48555	6.527	ug/l #	15
49) 1,4-Dioxane	7.81	88	308	Below Cal		91
52) Toluene	8.78	92	3761	0.259	ug/l	89
68) m/p-Xylenes	10.36	106	2422	0.216	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	172063	21.771	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	172063	64.514	ug/l #	10
90) Hexachloroethane	12.59	117	64	2.924	ug/l #	6

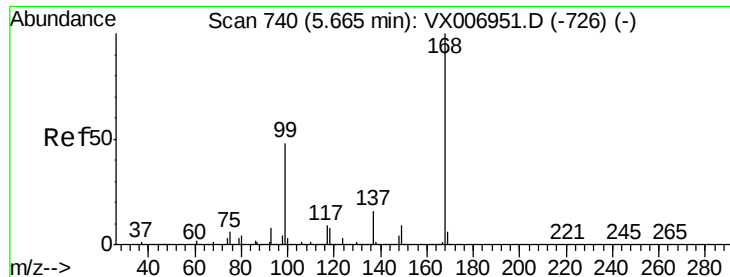
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

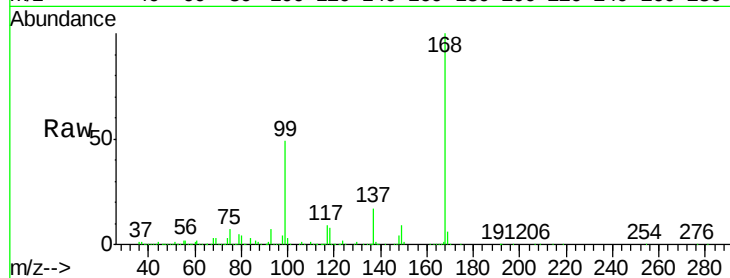
SA-TW519-2327

Tot Ion:168 Resp: 549417

Ion Ratio Lower Upper

168 100

99 49.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

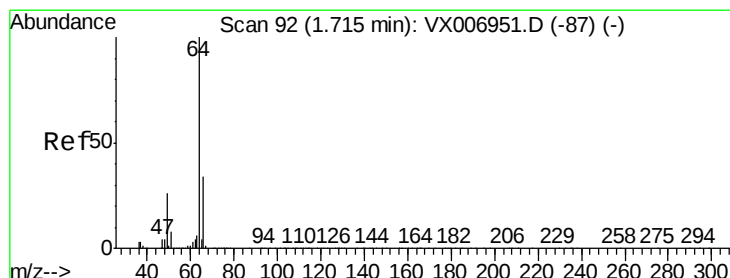
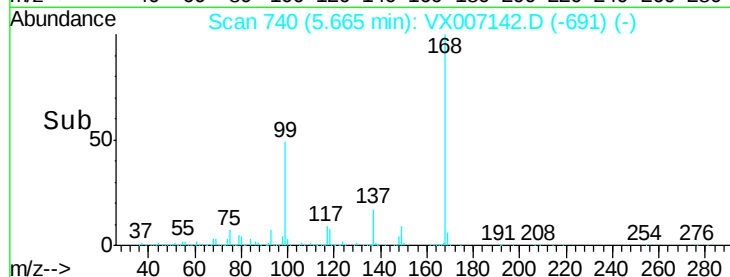
5.67

5.60

5.70

5.80

Time-->



#6

Chloroethane

Concen: 0.219 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007142.D

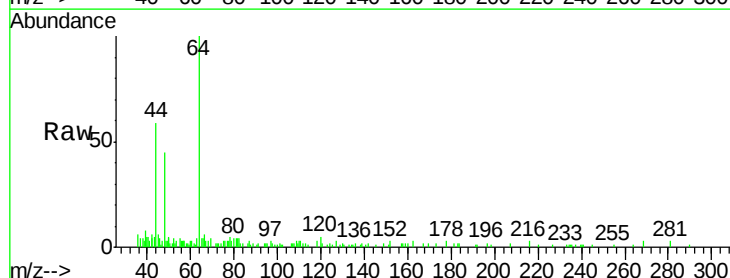
Acq: 18 Jan 2019 18:28

Tgt Ion: 64 Resp: 863

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

5000

4000

3000

2000

1000

0

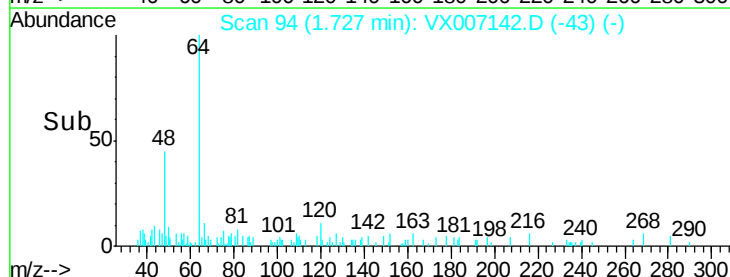
1.73

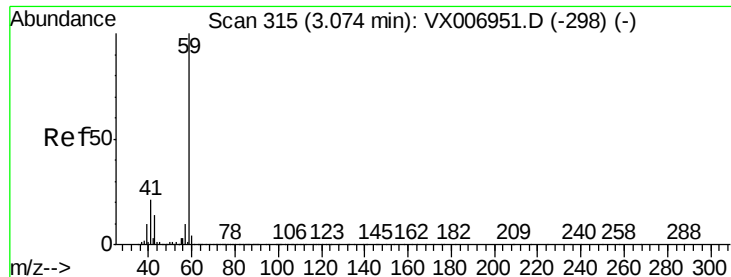
1.70

1.72

1.74

Time-->



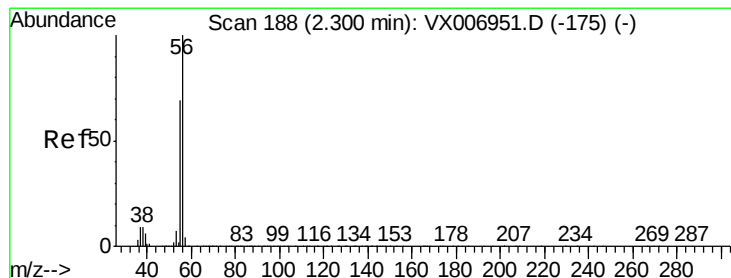
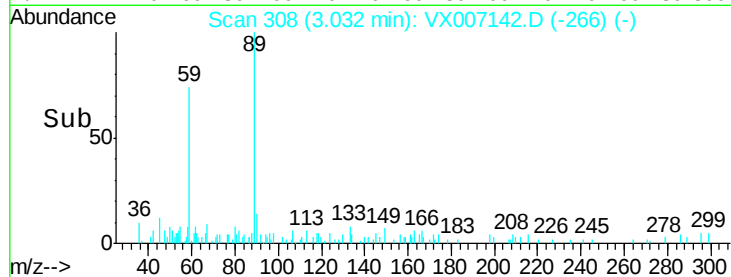
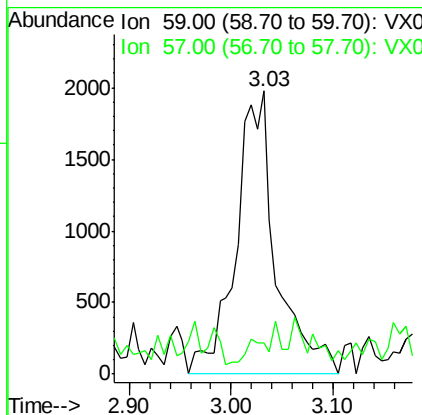
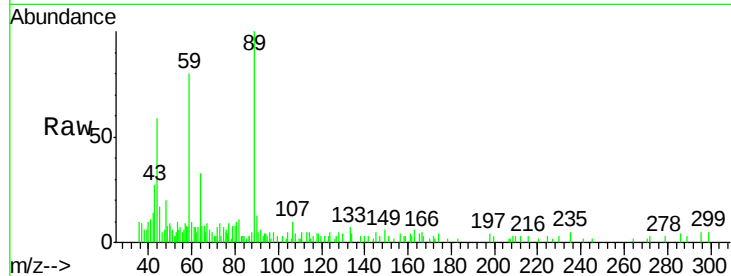


#11

Tert butyl alcohol
Concen: 4.002 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.04 min
Lab File: VX007142.D
Acq: 18 Jan 2019 18:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW519-2327

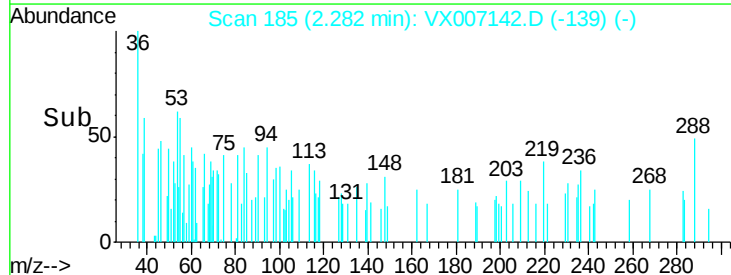
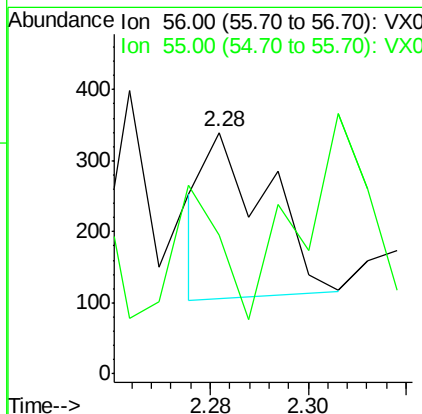
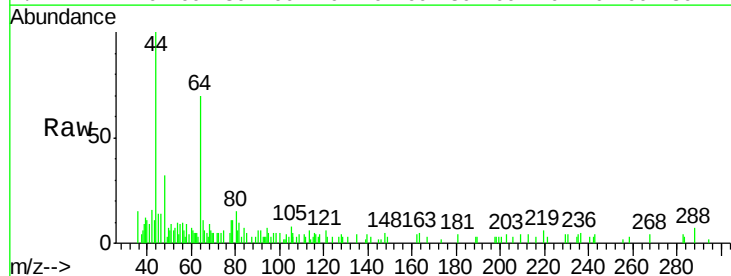
Tot Ion: 59 Resp: 5420
Ion Ratio Lower Upper
59 100
57 6.2 8.5 12.7#

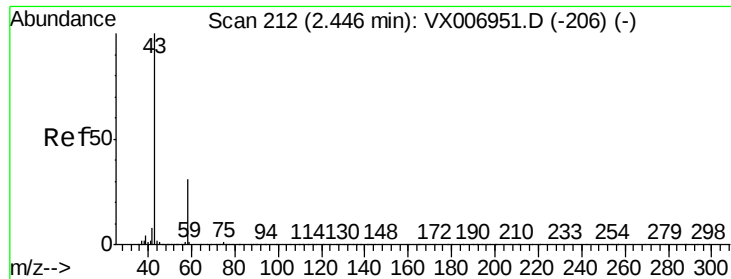


#13

Acrolein
Concen: 3.427 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.02 min
Lab File: VX007142.D
Acq: 18 Jan 2019 18:28

Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 55.7 58.2 87.4#





#16

Acetone

Concen: 1.323 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

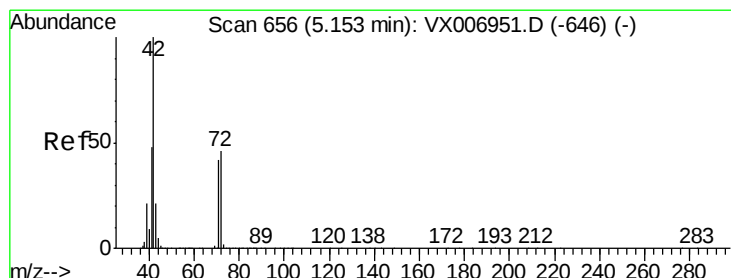
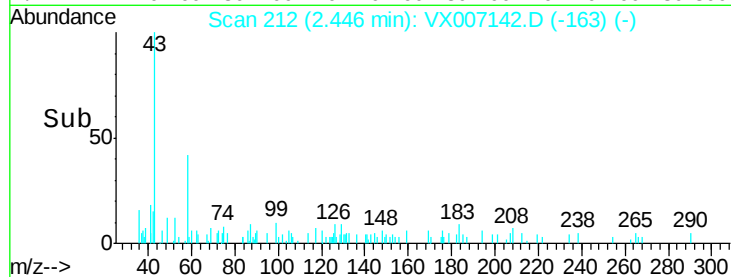
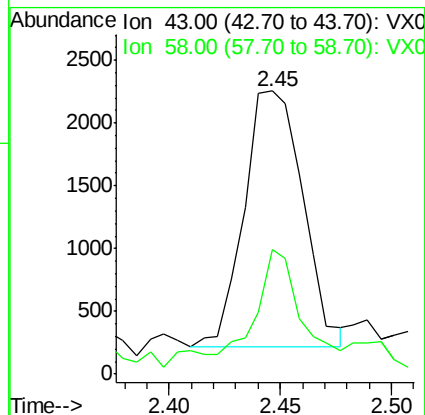
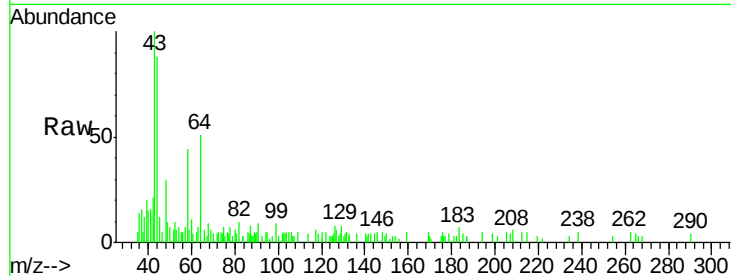
SA-TW519-2327

Tot Ion: 43 Resp: 3755

Ion Ratio Lower Upper

43 100

58 39.9 25.0 37.6#



#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

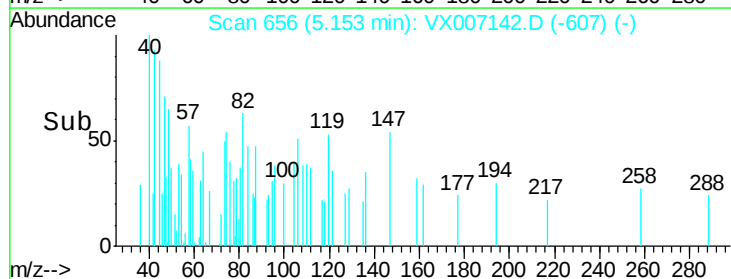
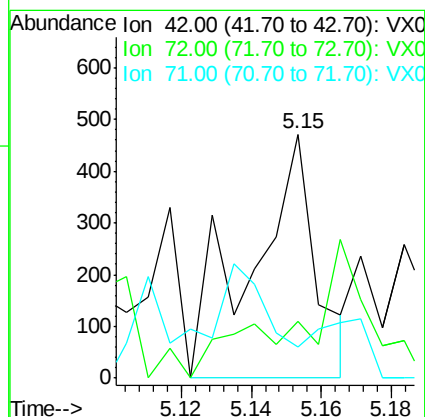
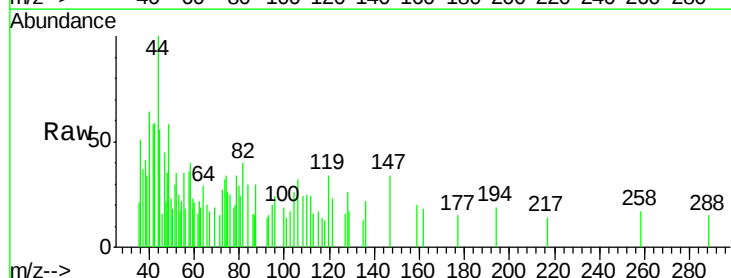
Tgt Ion: 42 Resp: 605

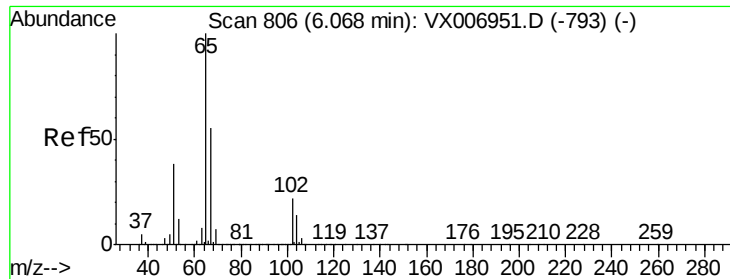
Ion Ratio Lower Upper

42 100

72 20.0 38.9 58.3#

71 18.7 36.2 54.4#





#33

1,2-Dichloroethane-d4

Concen: 51.580 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

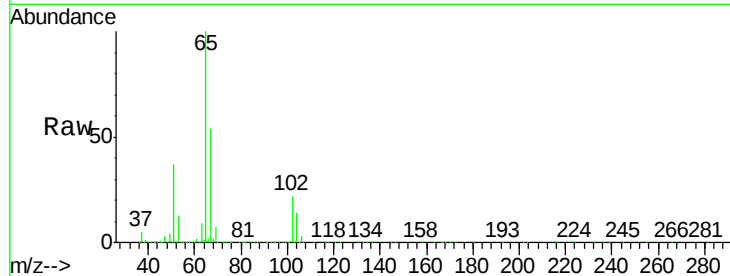
SA-TW519-2327

Tot Ion: 65 Resp: 296168

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

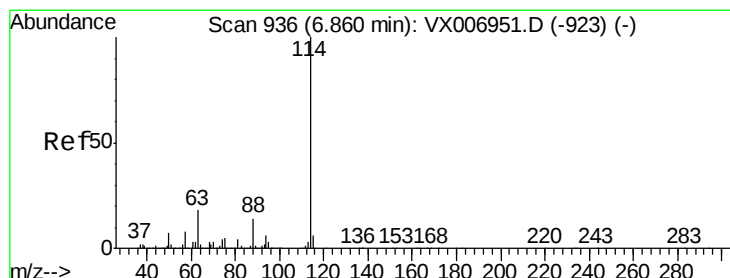
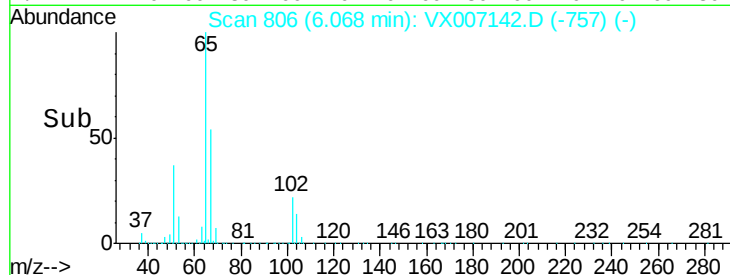
100000

50000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

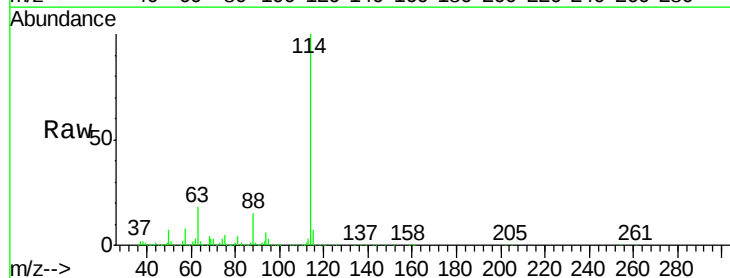
Tgt Ion: 114 Resp: 850460

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

88 14.9 0.0 28.8



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

500000

400000

300000

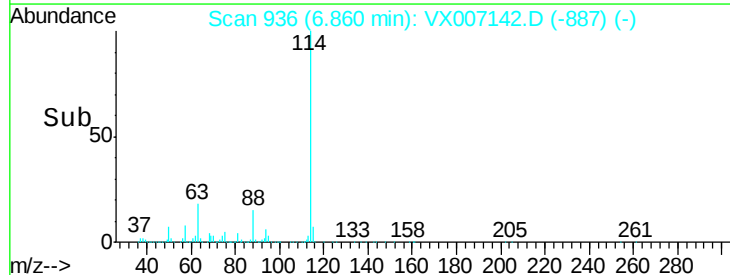
200000

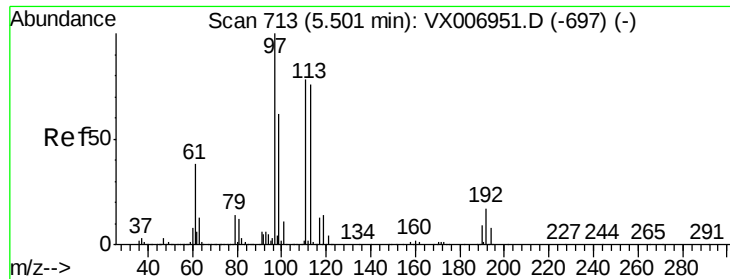
100000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.473 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW519-2327

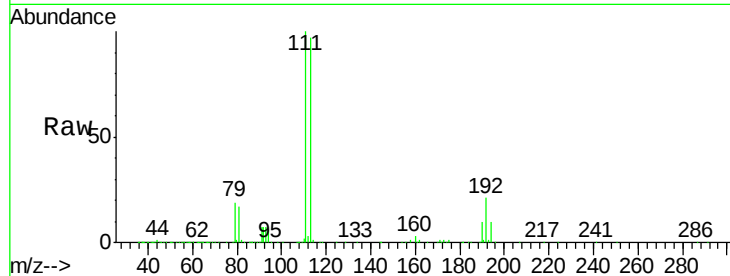
Tot Ion:113 Resp: 258552

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

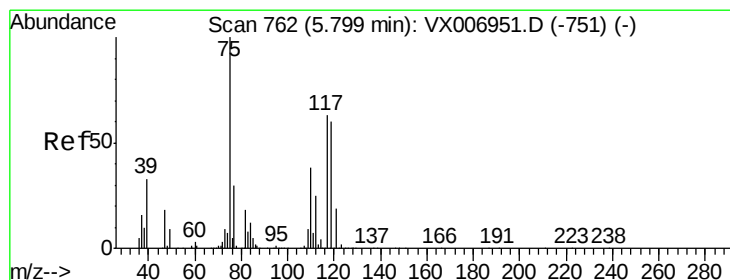
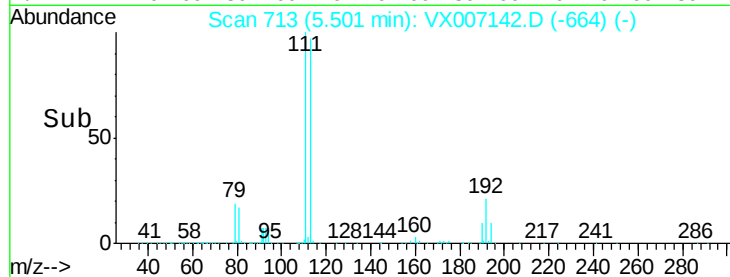
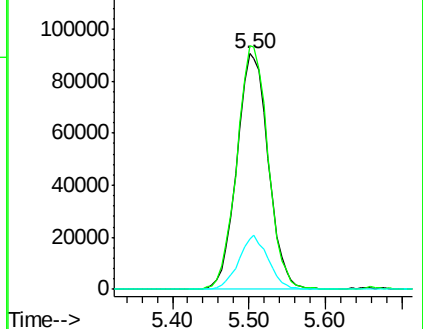
192 21.6 16.7 25.1



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: 4.759 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

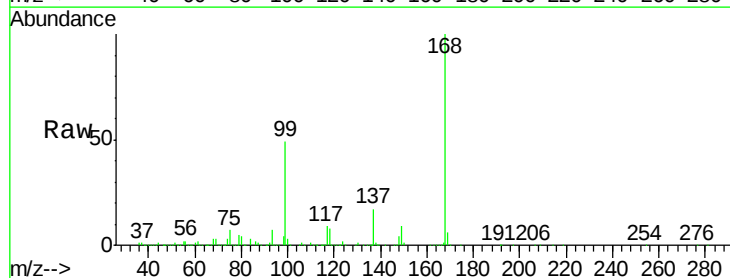
Tgt Ion: 75 Resp: 35185

Ion Ratio Lower Upper

75 100

110 11.3 20.2 60.5#

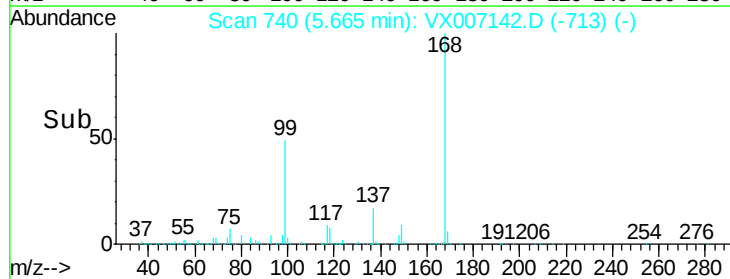
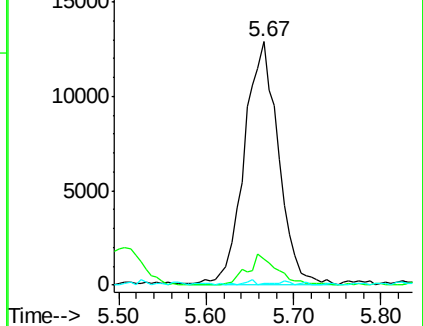
77 0.6 24.8 37.2#

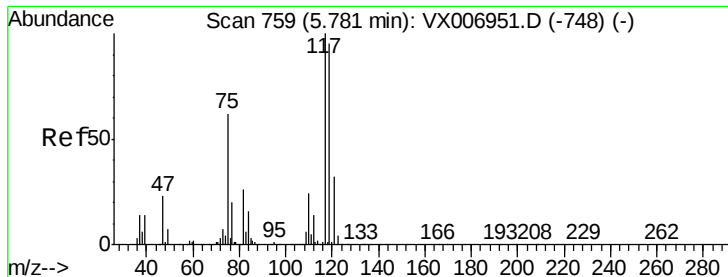


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.527 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW519-2327

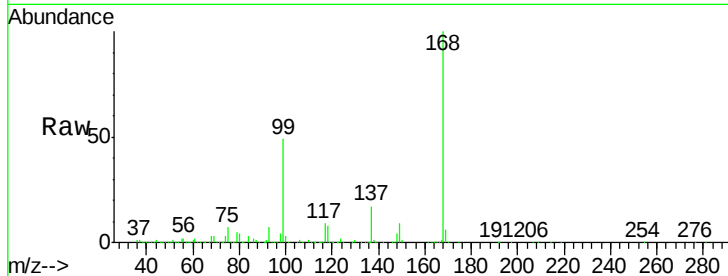
Tot Ion:117 Resp: 48555

Ion Ratio Lower Upper

117 100

119 5.3 79.4 119.2#

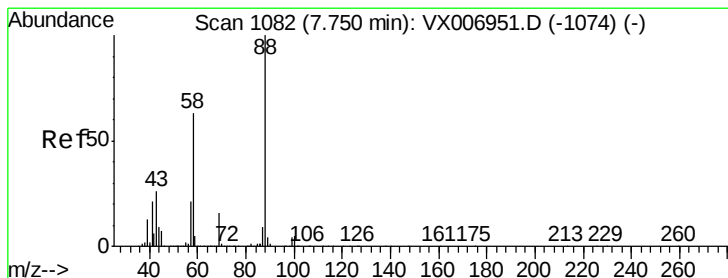
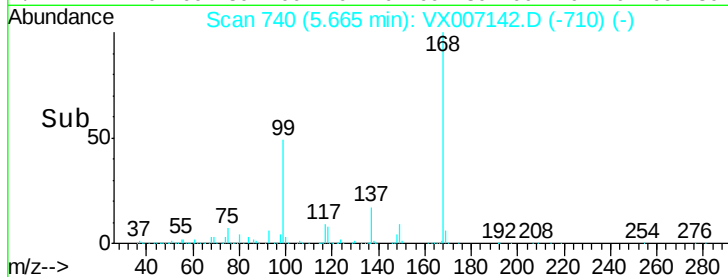
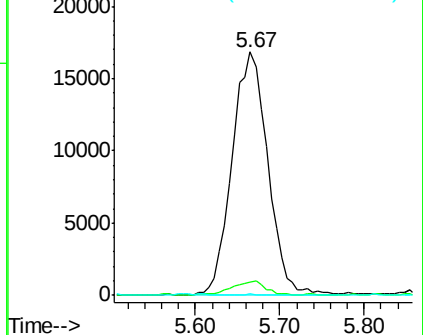
121 0.4 24.0 36.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.81 min Scan# 1091

Delta R.T. 0.06 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

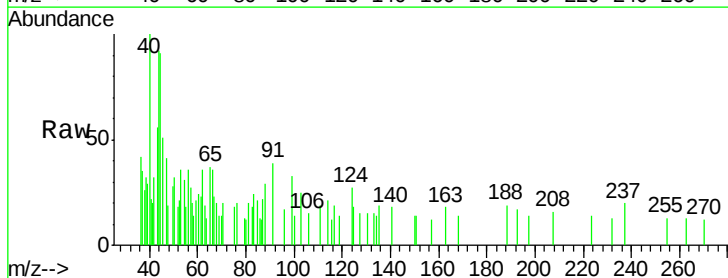
Tgt Ion: 88 Resp: 308

Ion Ratio Lower Upper

88 100

43 32.8 22.2 33.4

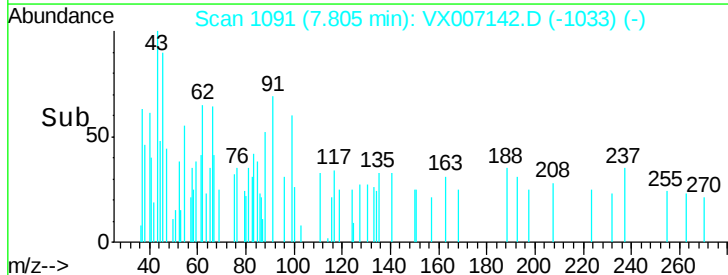
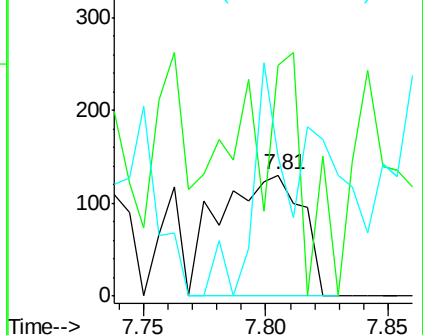
58 70.8 51.0 76.4

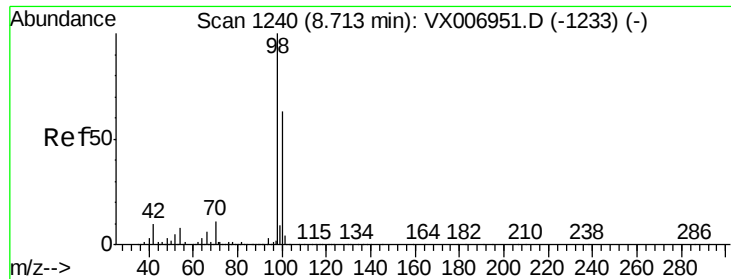


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.537 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

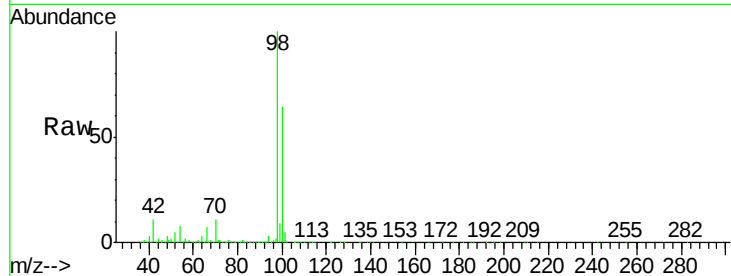
SA-TW519-2327

Tot Ion: 98 Resp: 1007463

Ion Ratio Lower Upper

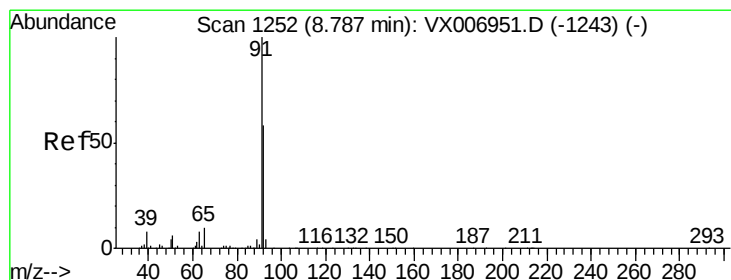
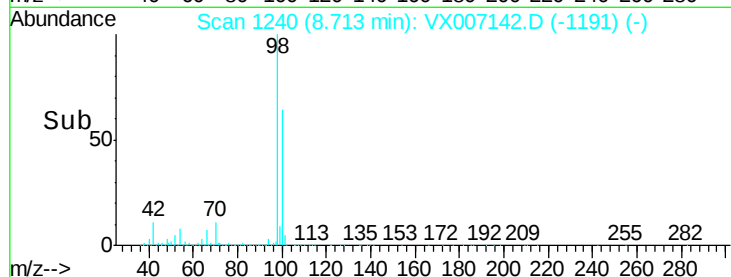
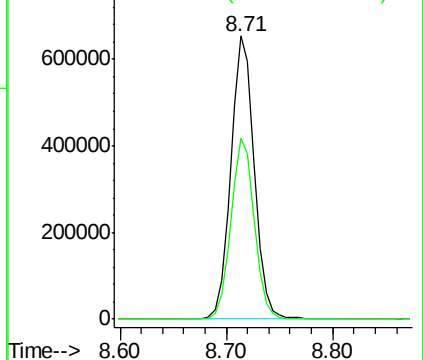
98 100

100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 0.259 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007142.D

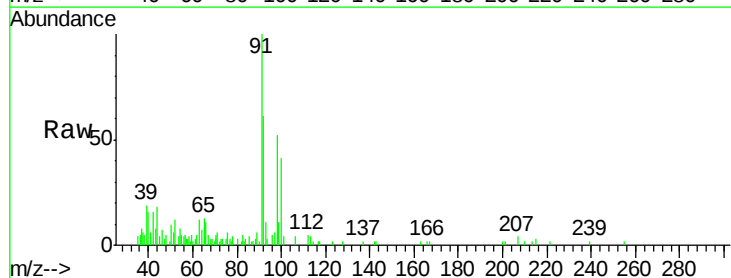
Acq: 18 Jan 2019 18:28

Tgt Ion: 92 Resp: 3761

Ion Ratio Lower Upper

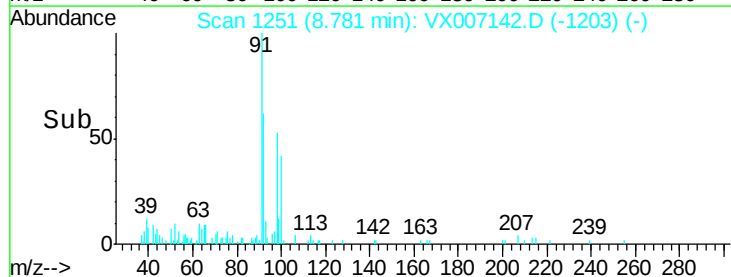
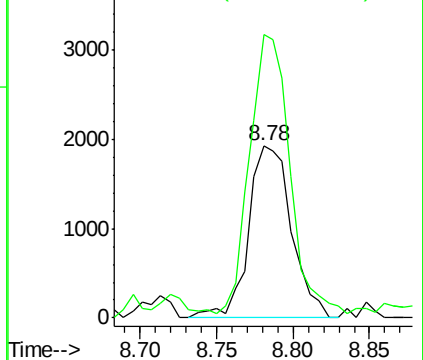
92 100

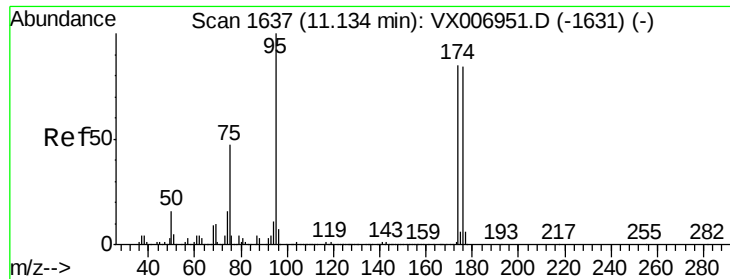
91 157.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.529 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW519-2327

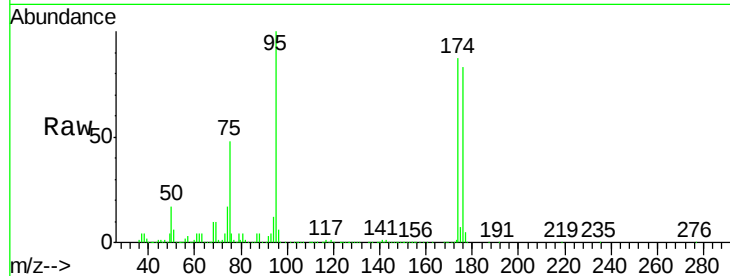
Tot Ion: 95 Resp: 365070

Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.2

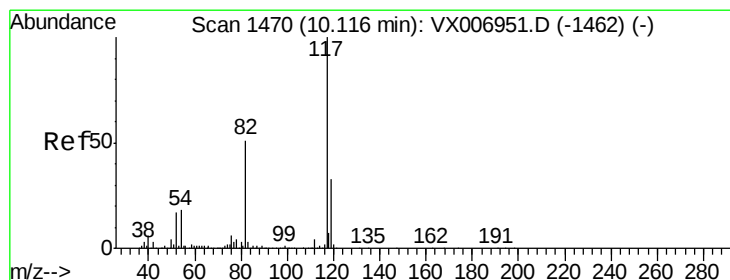
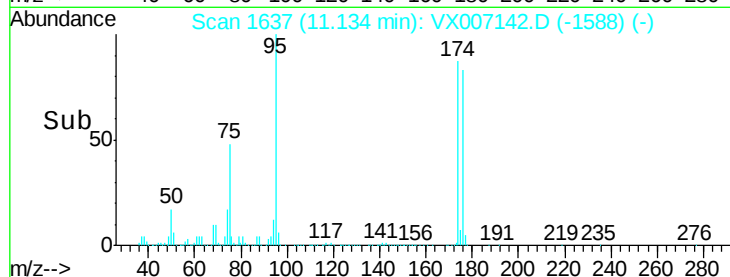
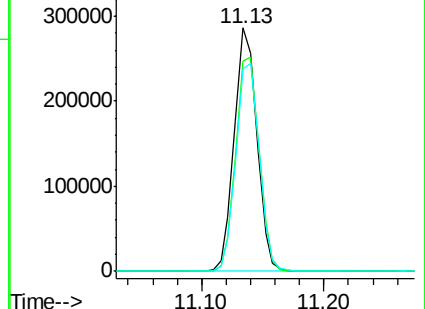
176 88.3 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

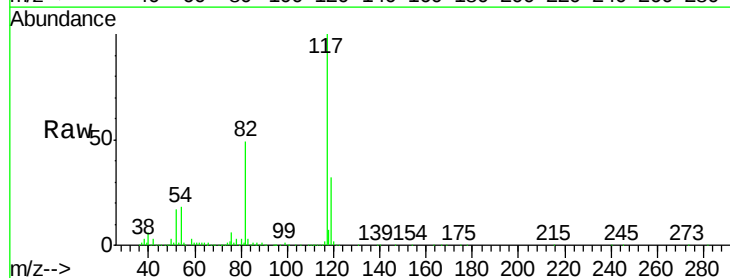
Tgt Ion: 117 Resp: 789363

Ion Ratio Lower Upper

117 100

82 48.9 41.0 61.6

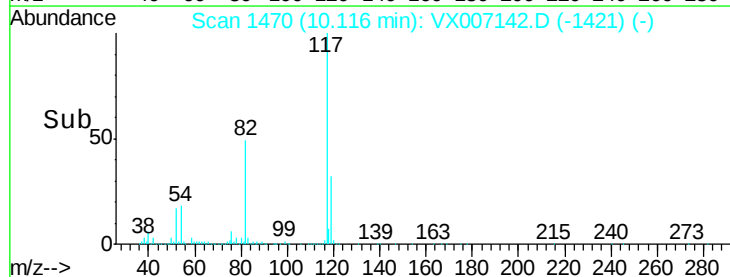
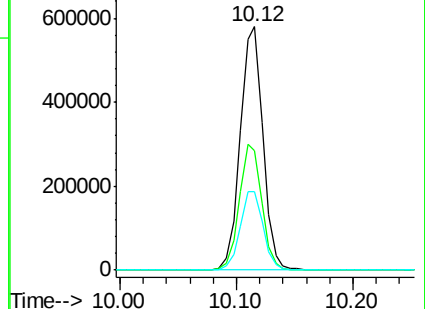
119 32.0 25.4 38.0

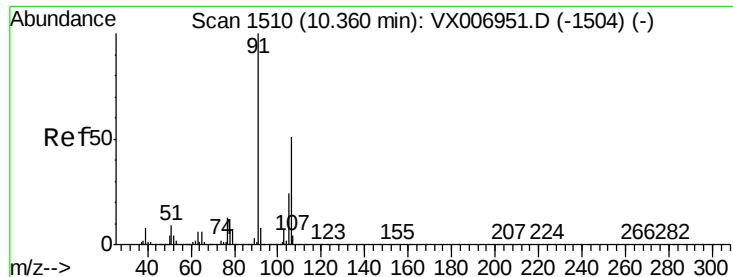


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)





#68

m/p-Xvlenes

Concen: 0.216 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

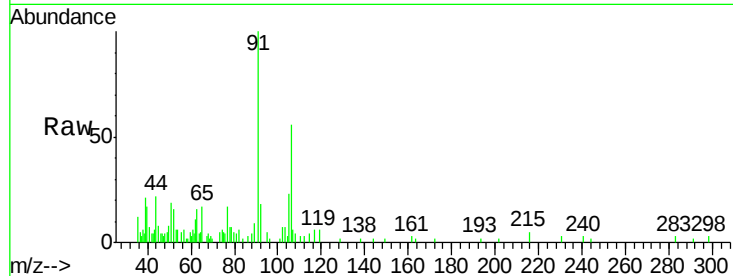
SA-TW519-2327

Tot Ion:106 Resp: 2422

Ion Ratio Lower Upper

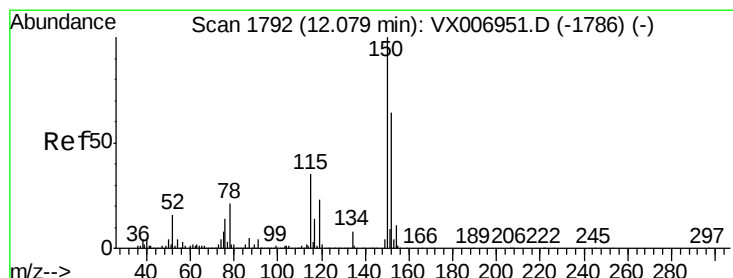
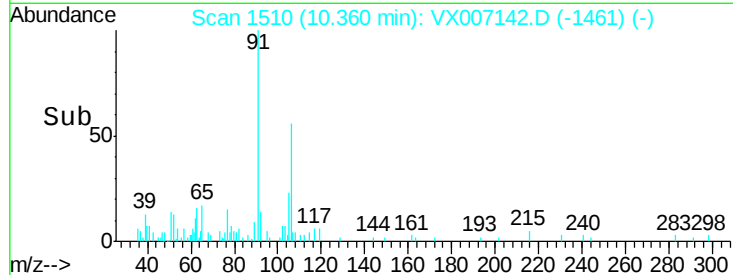
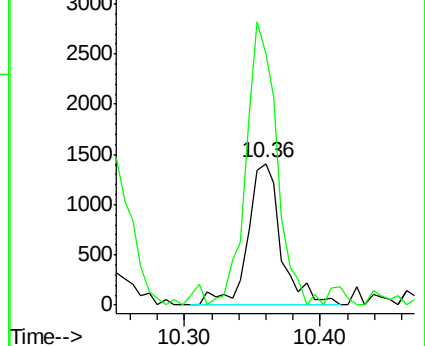
106 100

91 183.7 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

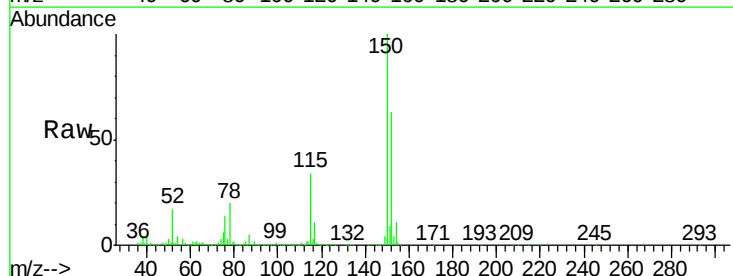
Tgt Ion:152 Resp: 390005

Ion Ratio Lower Upper

152 100

115 54.2 39.1 117.2

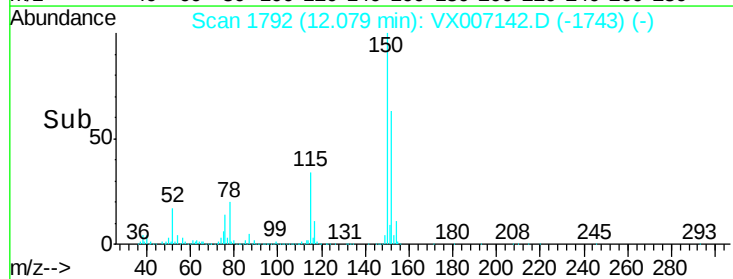
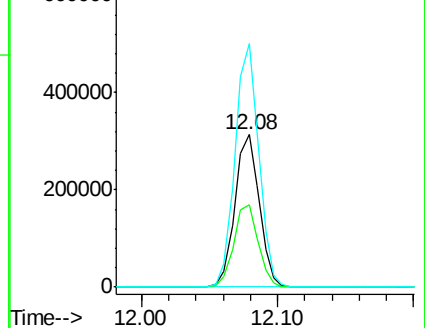
150 156.0 0.0 344.8

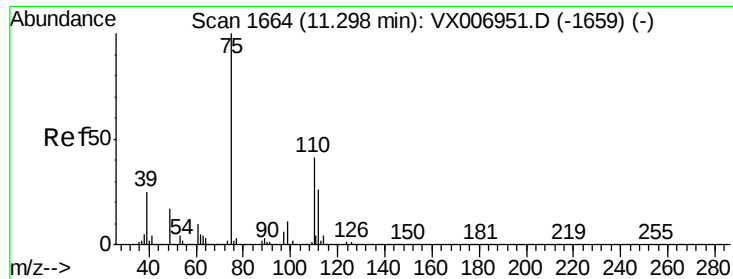


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.771 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

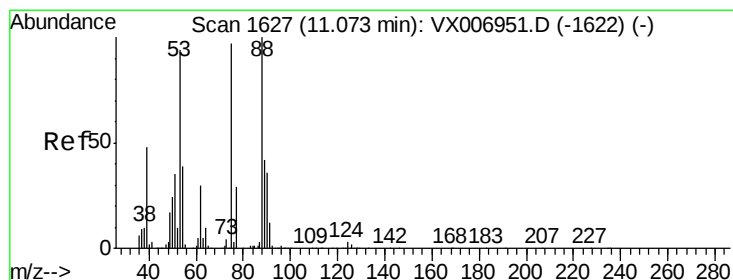
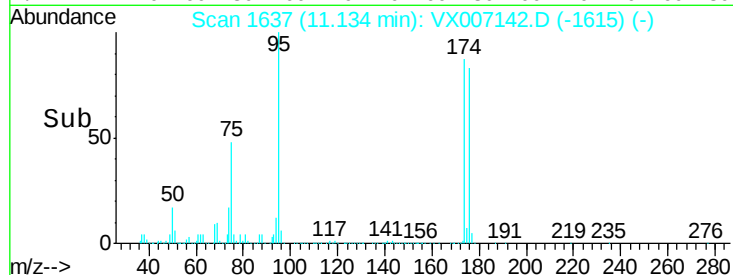
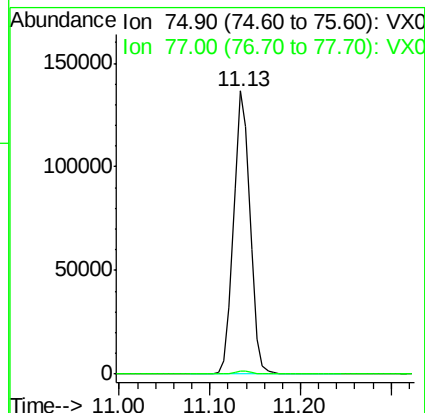
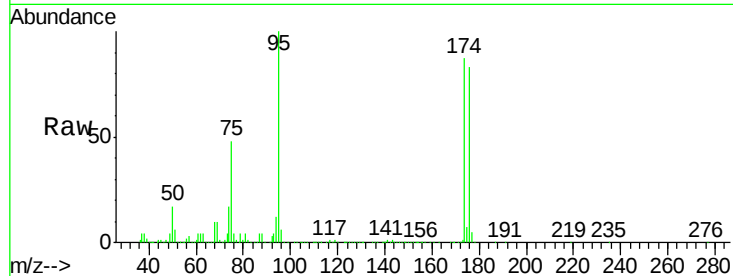
SA-TW519-2327

Tot Ion: 75 Resp: 172063

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.514 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

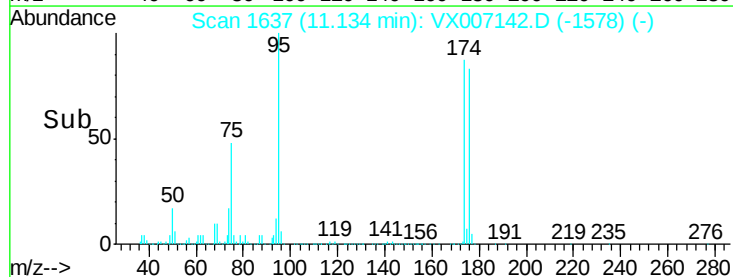
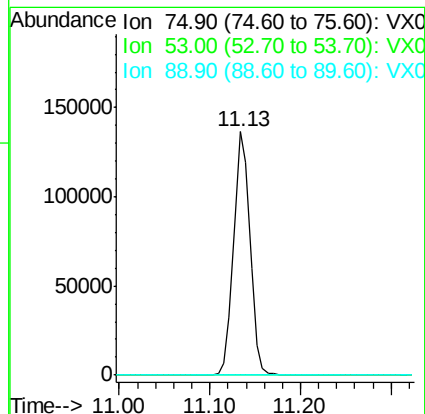
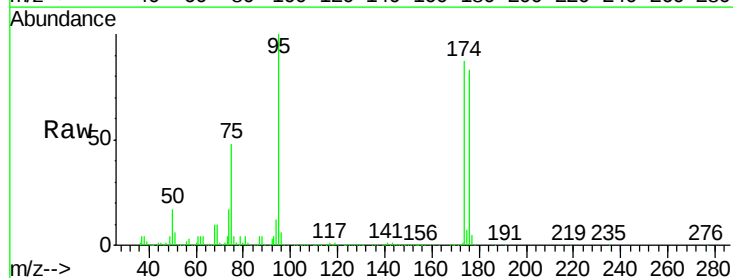
Tgt Ion: 75 Resp: 172063

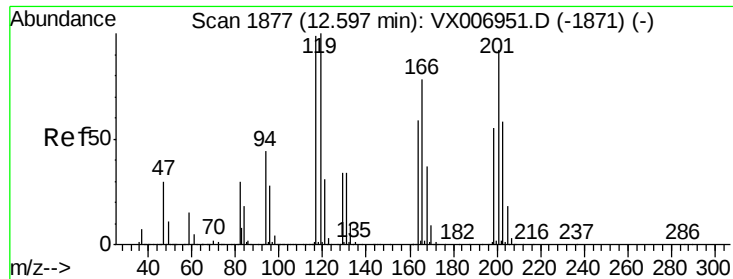
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 2.924 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX007142.D

Acq: 18 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW519-2327

Tot Ion:117 Resp: 64

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

