

Data File : VX001886.D

Acq On : 21 May 2018 19:07

Operator : JC/MD

Sample : J2988-02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 17 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515

Quant Time: May 22 01:55:02 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	254761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	130639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	175464	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	5.51	113	156839	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
50) Toluene-d8	8.72	98	459098	44.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.86%	
62) 4-Bromofluorobenzene	11.15	95	144089	38.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.46%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	818	0.30	ug/l	99
4) Vinyl Chloride	1.40	62	1055	0.36	ug/l #	81
5) Bromomethane	1.65	94	520	Below Cal	#	12
6) Chloroethane	1.70	64	856	0.46	ug/l #	61
11) Tert butyl alcohol	3.04	59	650	1.08	ug/l #	72
16) Acetone	2.45	43	3458	2.60	ug/l #	75
20) Methylene Chloride	2.86	84	1014	0.36	ug/l #	92
21) trans-1,2-Dichloroethene	3.17	96	994	0.36	ug/l	88
27) cis-1,2-Dichloroethene	4.60	96	9812	3.13	ug/l	99
31) Cyclohexane	5.67	56	3500	0.82	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14878	3.78	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20370	4.94	ug/l #	17
44) Trichloroethene	7.22	130	9618	2.67	ug/l	90
49) 1,4-Dioxane	7.80	88	20	0.31	ug/l #	1
60) Dibromochloromethane	9.34	129	40589	13.92	ug/l #	11
64) Tetrachloroethene	9.34	164	48451	14.61	ug/l	93
76) 1,2,3-Trichloropropane	11.15	75	66870	26.92	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.15	75	66870	78.22	ug/l #	10

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

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ALS Vial : 17 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515

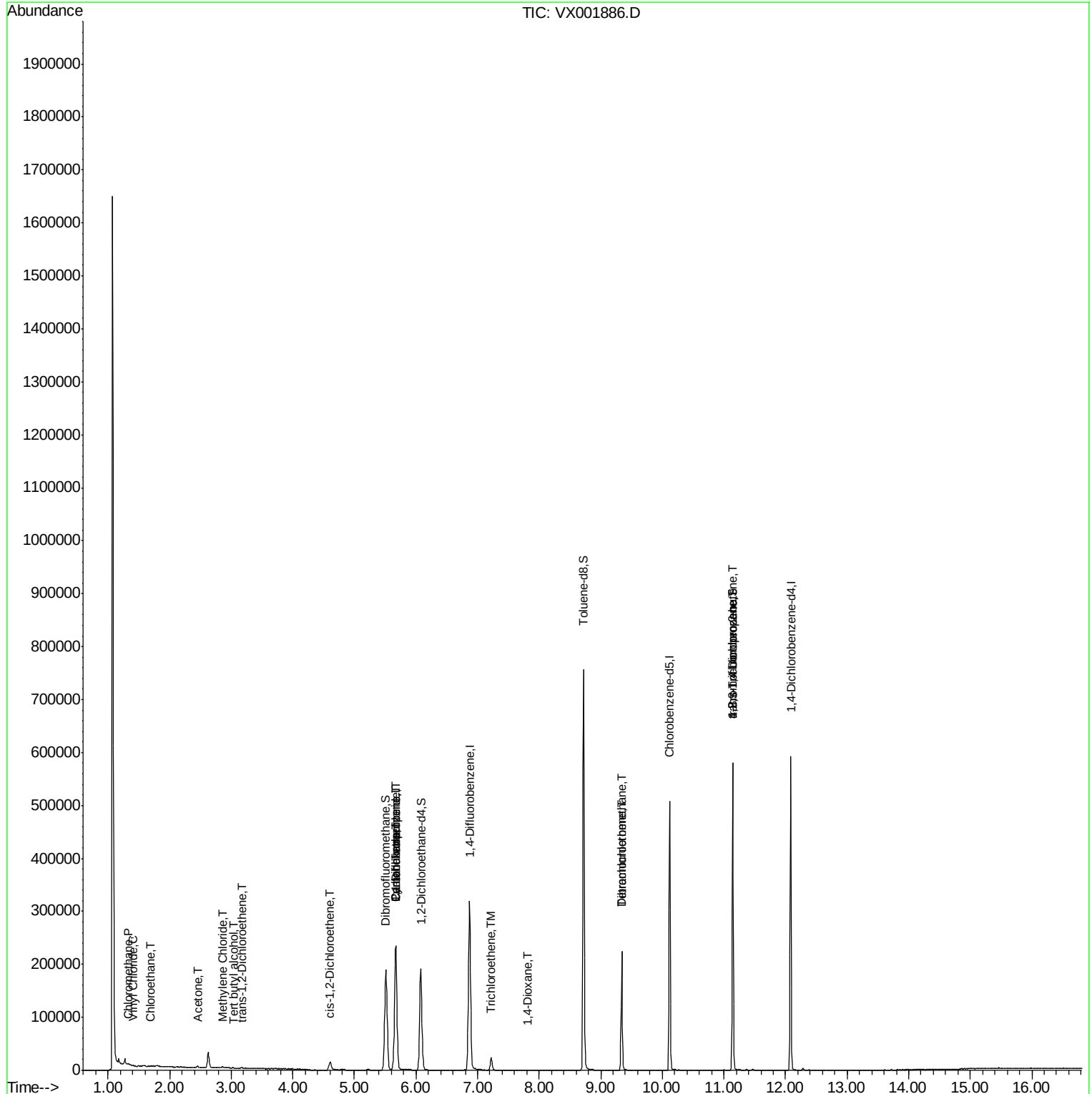
Quant Time: May 22 01:55:02 2018

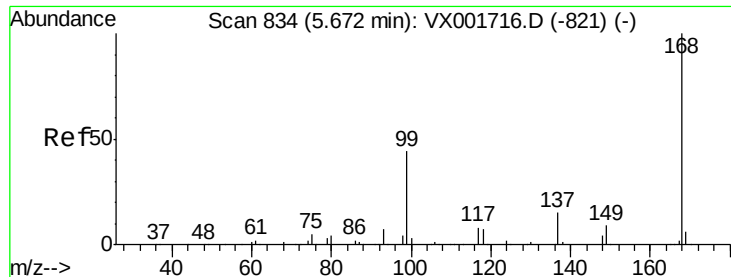
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

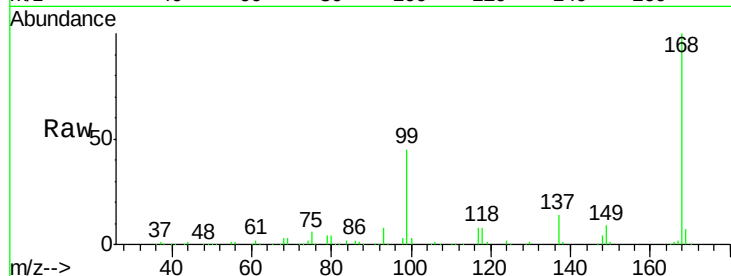
SS036MW004-180515

Tgt Ion:168 Resp: 252978

Ion Ratio Lower Upper

168 100

99 44.7 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

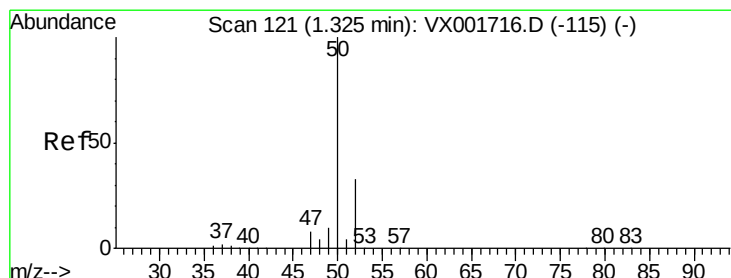
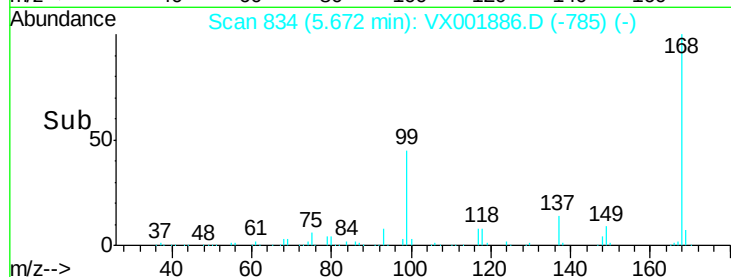
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001886.D

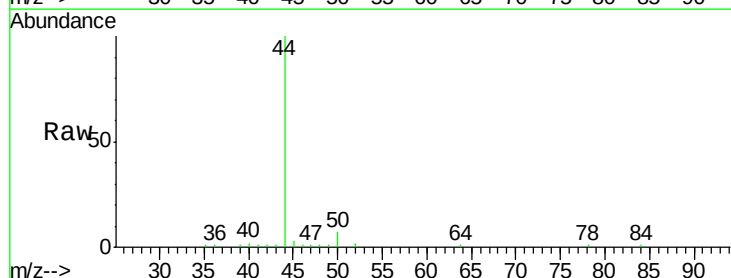
Acq: 21 May 2018 19:07

Tgt Ion: 50 Resp: 818

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

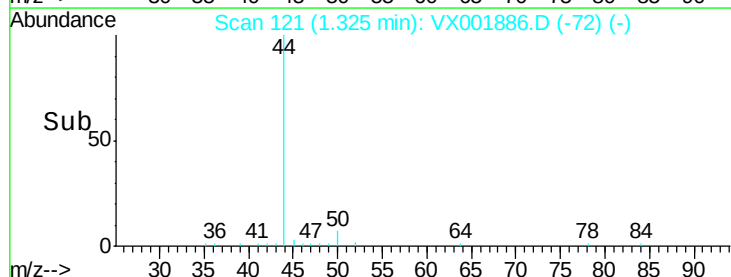
600

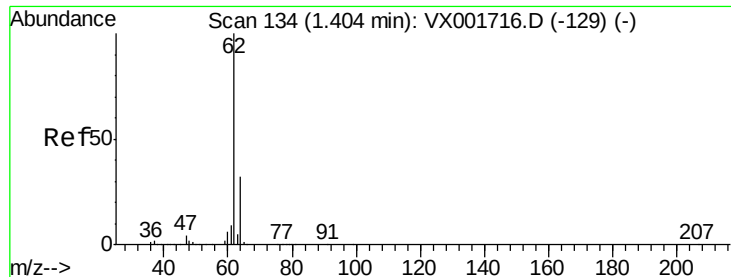
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

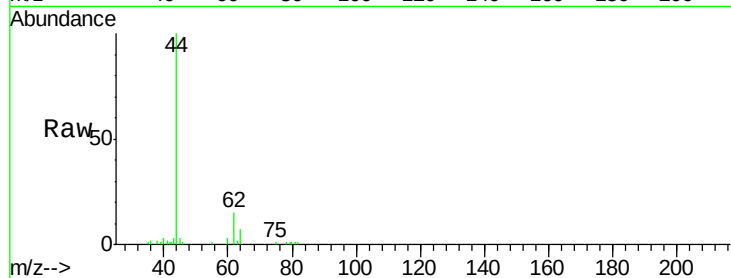
SS036MW004-180515

Tgt Ion: 62 Resp: 1055

Ion Ratio Lower Upper

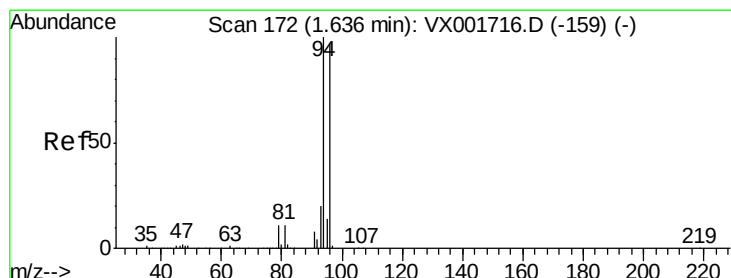
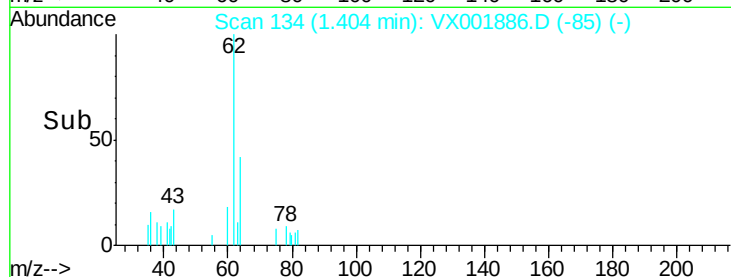
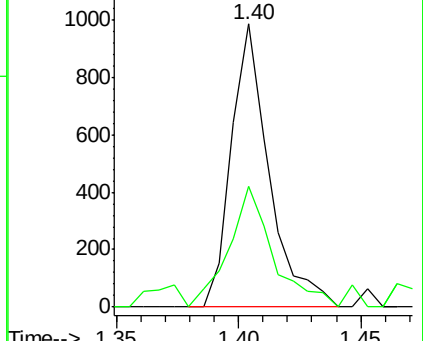
62 100

64 42.5 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001886.D

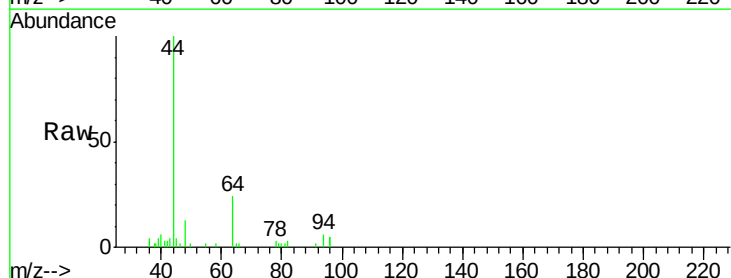
Acq: 21 May 2018 19:07

Tgt Ion: 94 Resp: 520

Ion Ratio Lower Upper

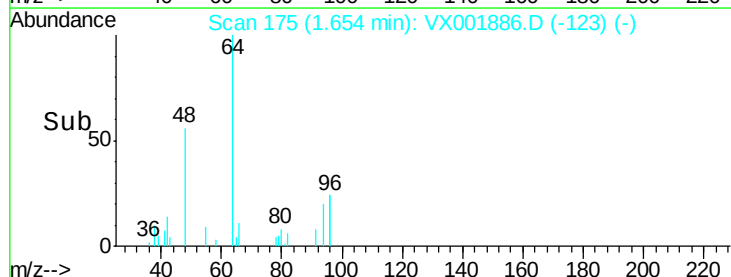
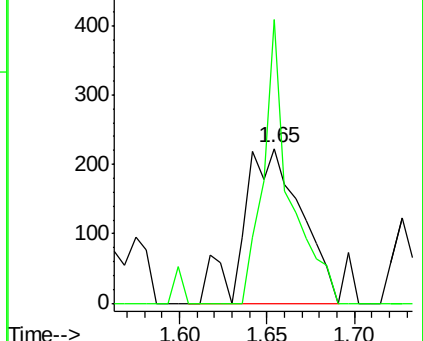
94 100

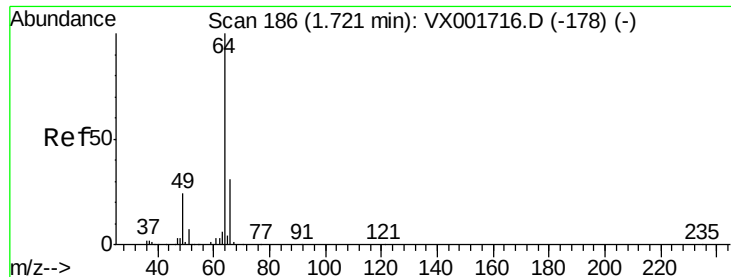
96 183.0 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.46 ug/l

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

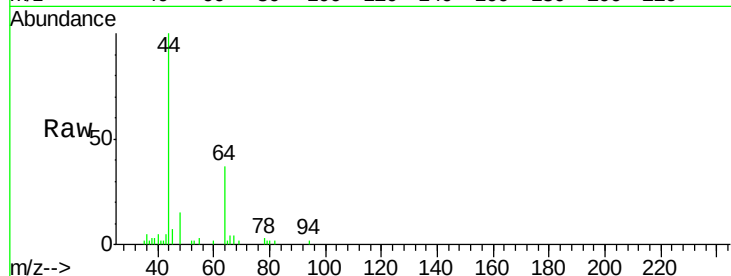
SS036MW004-180515

Tgt Ion: 64 Resp: 856

Ion Ratio Lower Upper

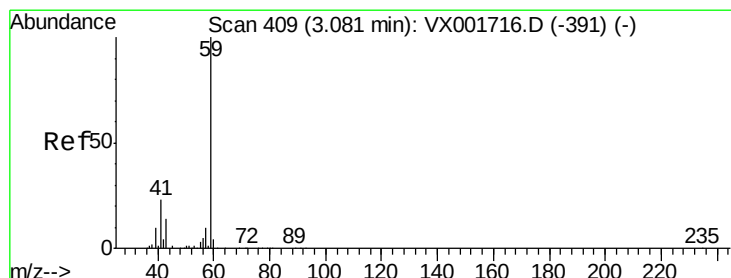
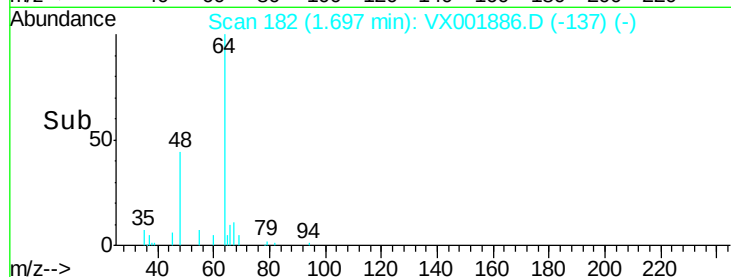
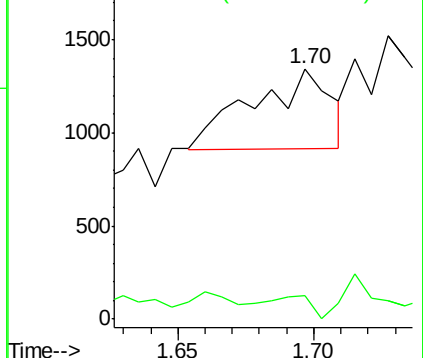
64 100

66 9.7 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 1.08 ug/l

RT: 3.04 min Scan# 402

Delta R.T. -0.04 min

Lab File: VX001886.D

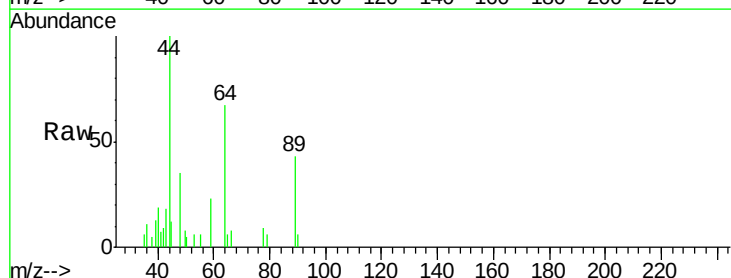
Acq: 21 May 2018 19:07

Tgt Ion: 59 Resp: 650

Ion Ratio Lower Upper

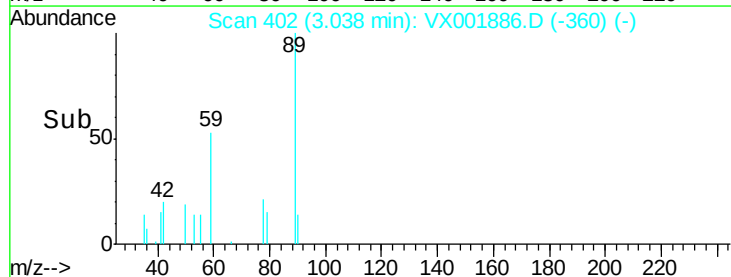
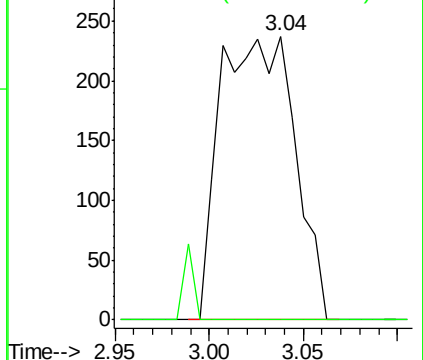
59 100

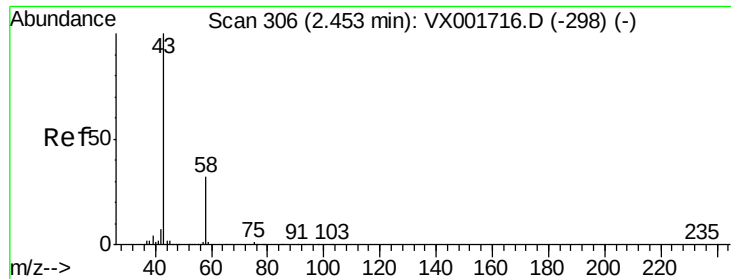
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.60 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

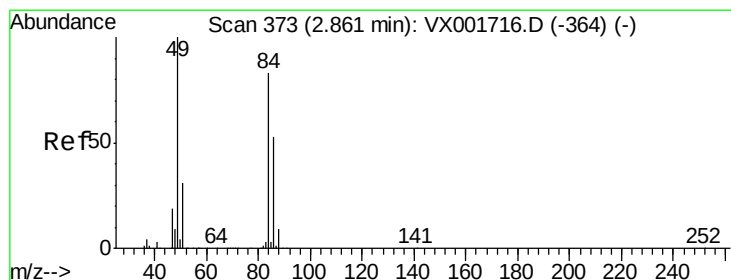
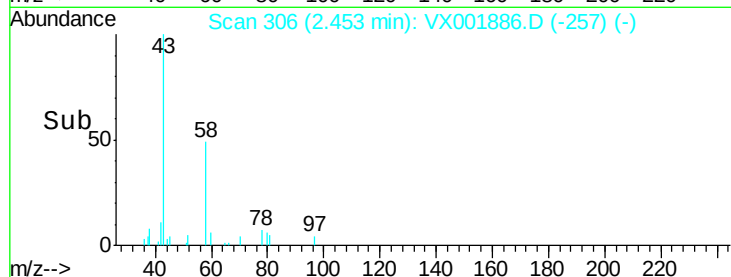
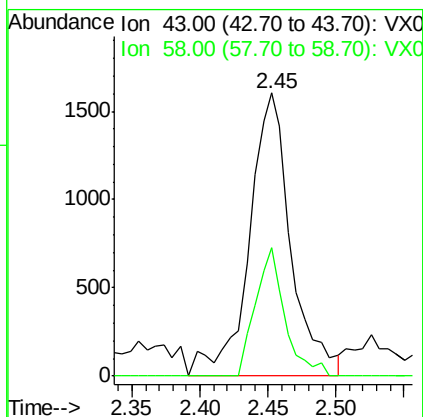
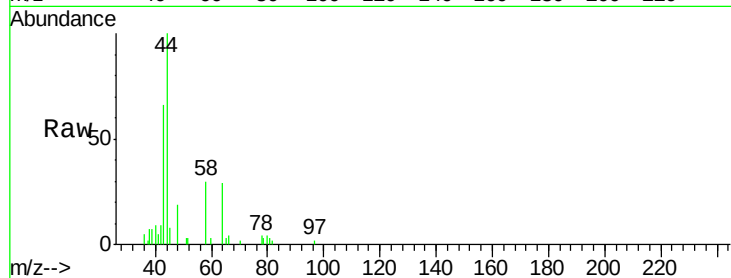
SS036MW004-180515

Tgt Ion: 43 Resp: 3458

Ion Ratio Lower Upper

43 100

58 45.4 25.3 37.9#



#20

Methylene Chloride

Concen: 0.36 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Tgt Ion: 84 Resp: 1014

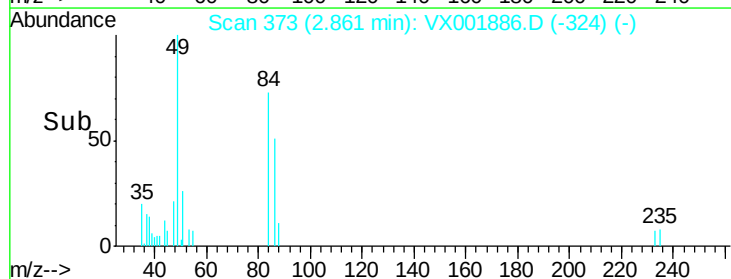
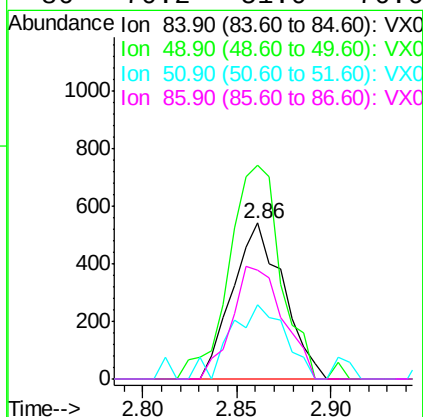
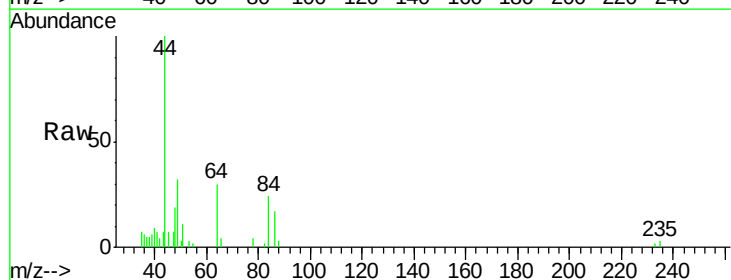
Ion Ratio Lower Upper

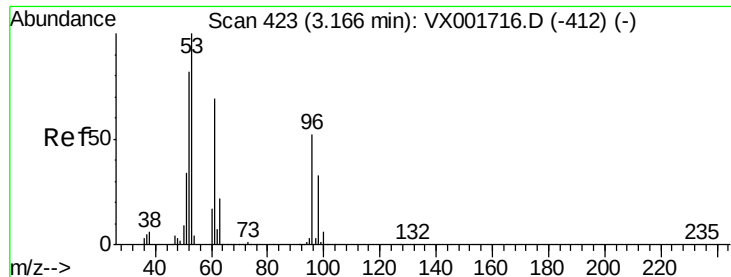
84 100

49 126.6 96.3 144.5

51 47.9 29.8 44.6#

86 70.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 0.36 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515

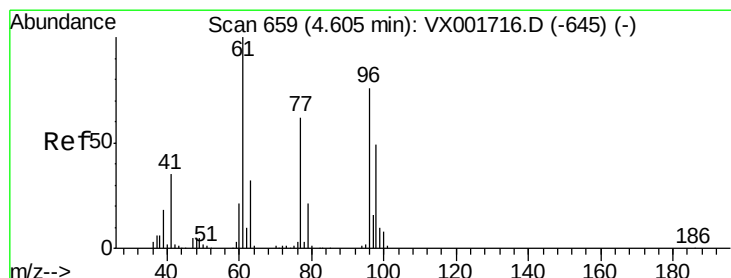
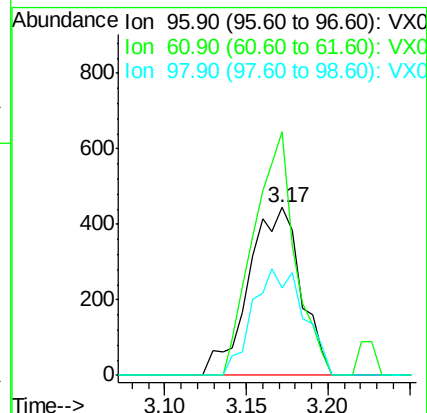
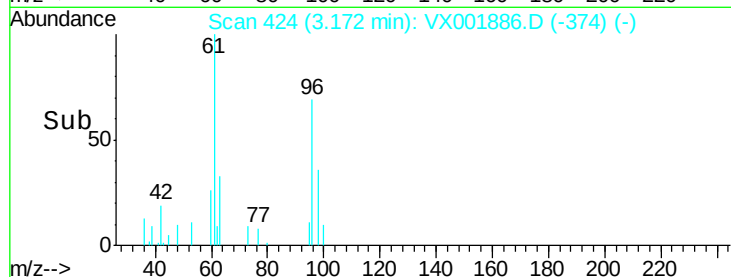
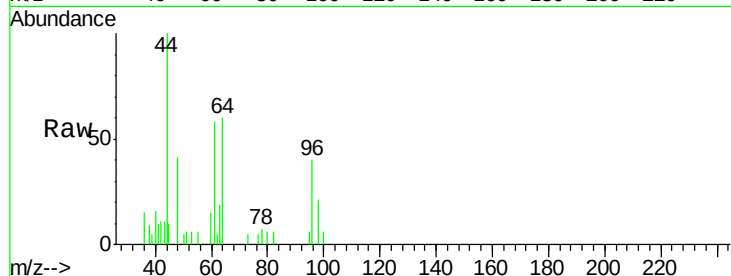
Tgt Ion: 96 Resp: 994

Ion Ratio Lower Upper

96 100

61 144.9 105.8 158.8

98 52.4 50.2 75.4



#27

cis-1,2-Dichloroethene

Concen: 3.13 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

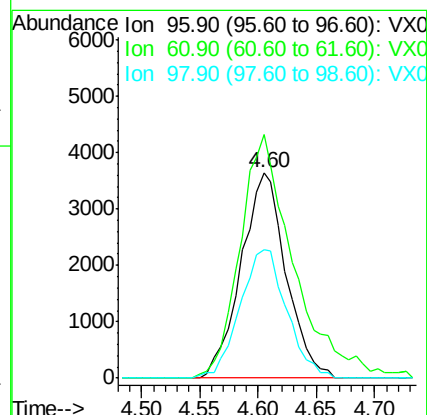
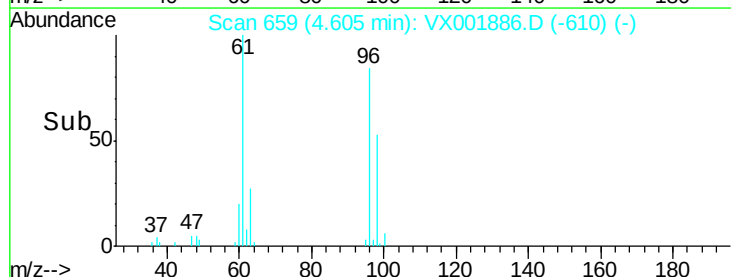
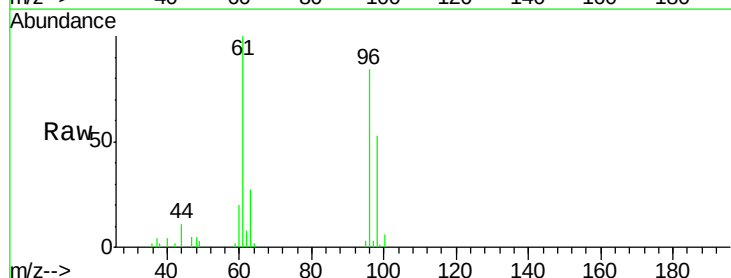
Tgt Ion: 96 Resp: 9812

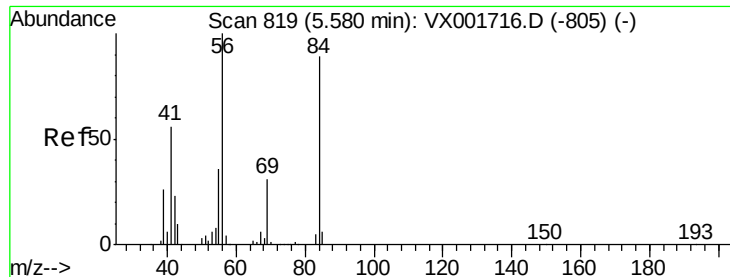
Ion Ratio Lower Upper

96 100

61 142.0 0.0 280.4

98 64.9 0.0 128.4

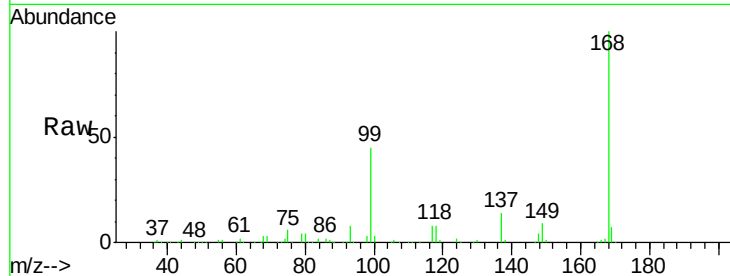




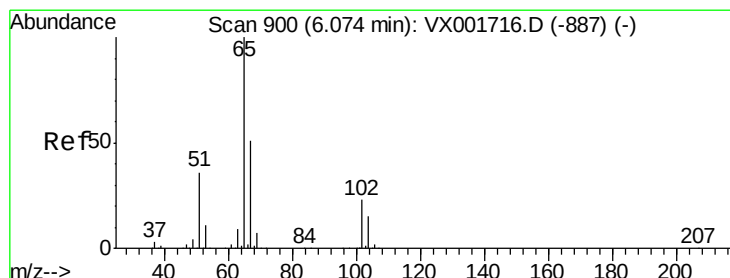
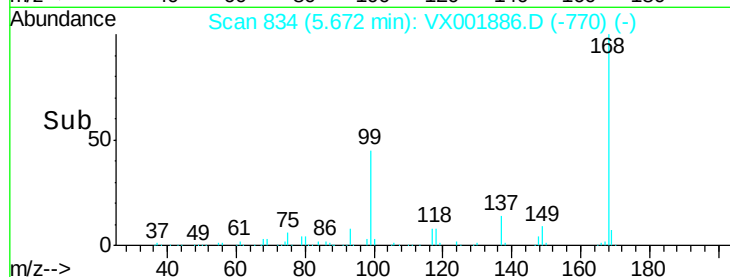
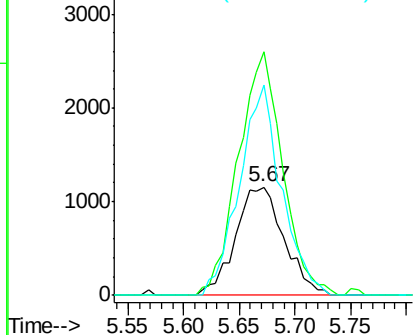
#31
Cyclohexane
Concen: 0.82 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001886.D
Acq: 21 May 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515

Tgt Ion: 56 Resp: 3500
Ion Ratio Lower Upper
56 100
69 225.4 25.0 37.6#
84 194.3 71.0 106.4#

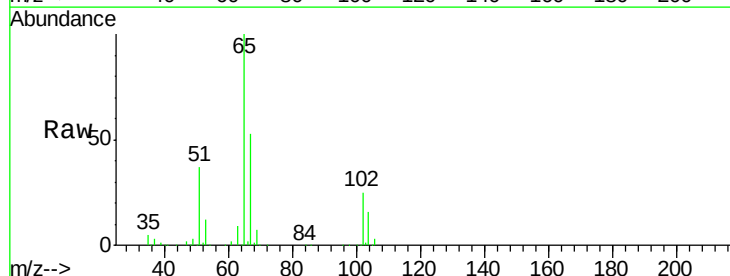


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

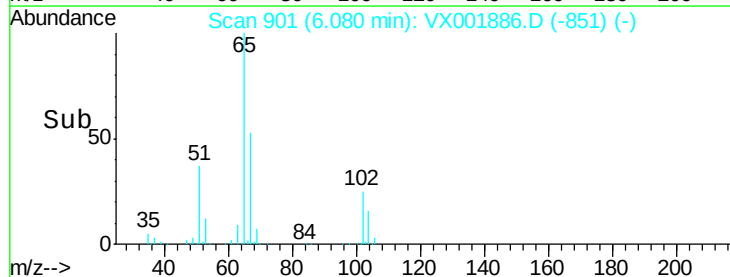
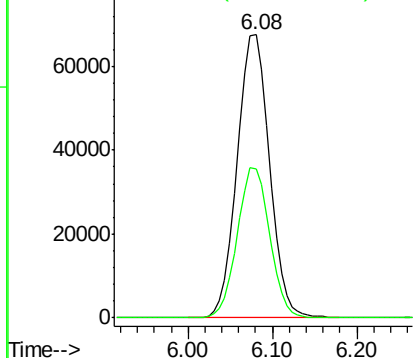


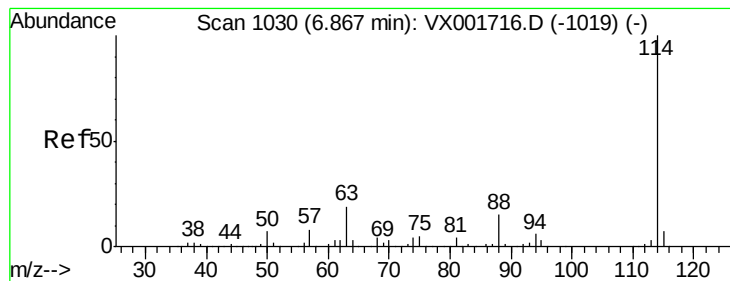
#33
1,2-Dichloroethane-d4
Concen: 51.75 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001886.D
Acq: 21 May 2018 19:07

Tgt Ion: 65 Resp: 175464
Ion Ratio Lower Upper
65 100
67 53.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515

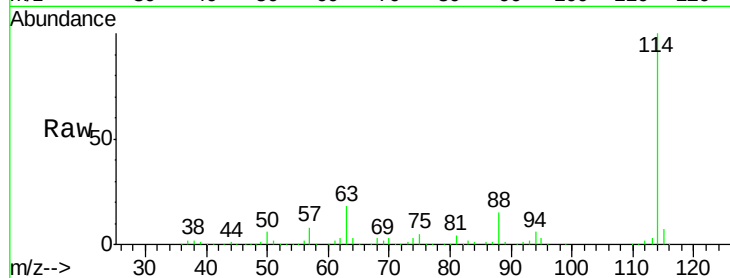
Tgt Ion:114 Resp: 341892

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.0

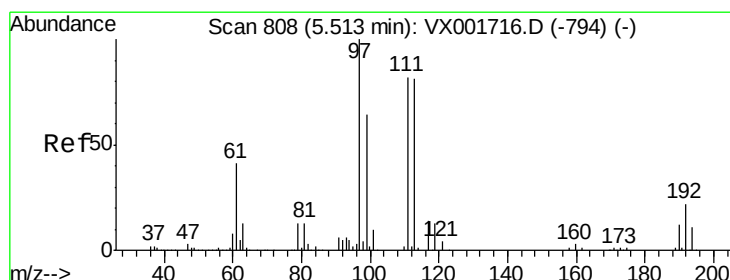
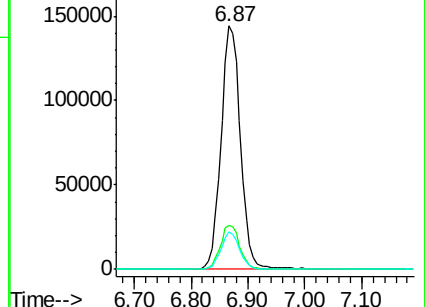
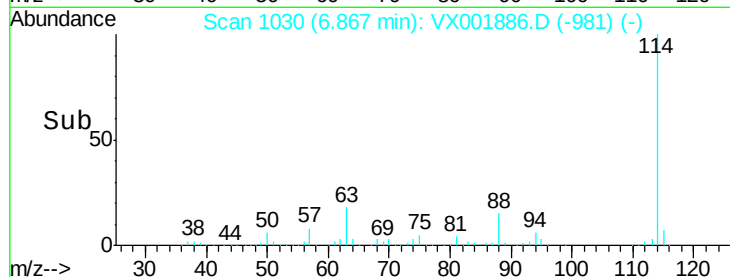
88 15.4 0.0 29.8



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



#35

Dibromofluoromethane

Concen: 54.36 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

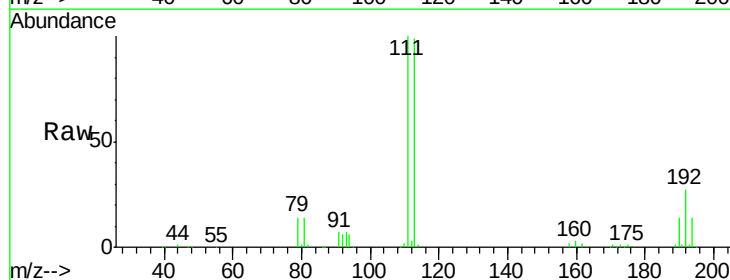
Tgt Ion:113 Resp: 156839

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

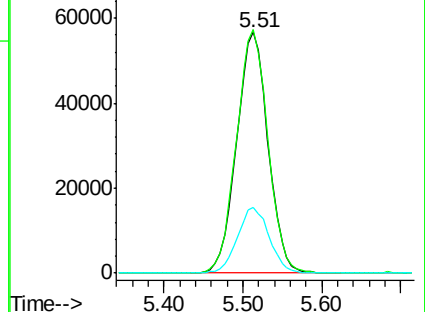
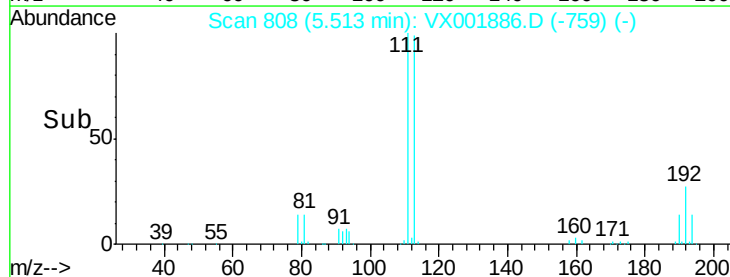
192 27.7 21.6 32.4

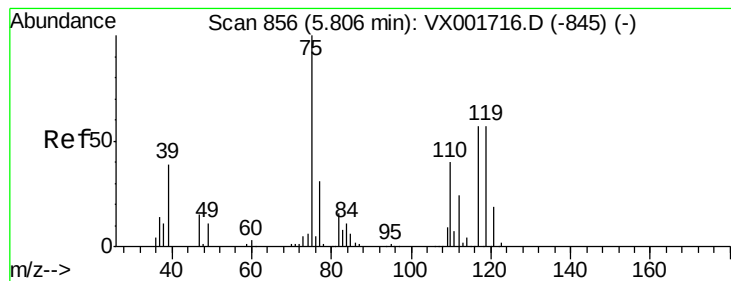


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.78 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515

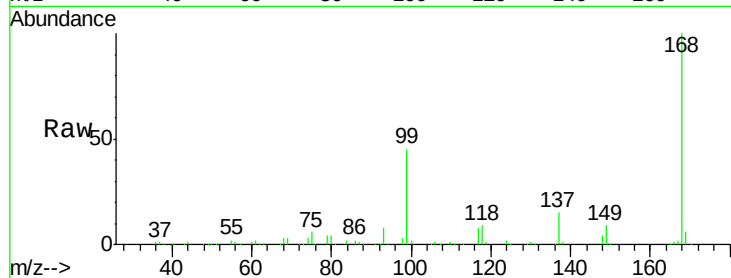
Tgt Ion: 75 Resp: 14878

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.1#

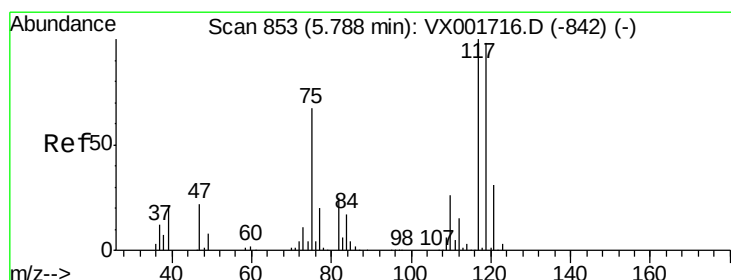
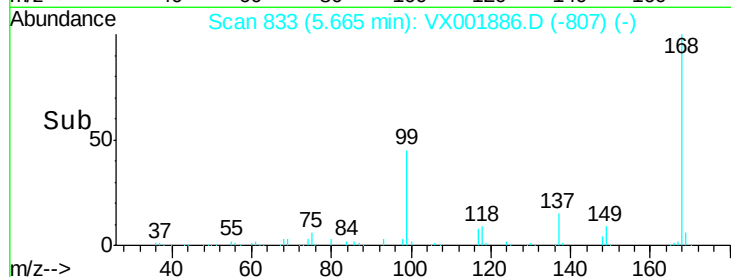
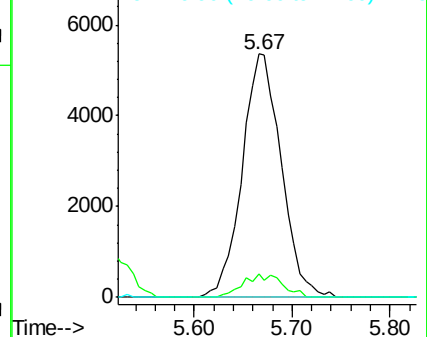
77 0.0 24.6 37.0#



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: 4.94 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

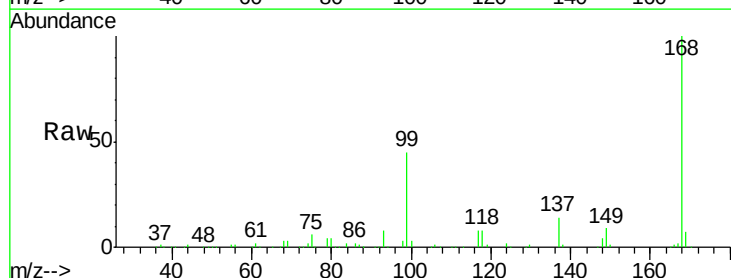
Tgt Ion: 117 Resp: 20370

Ion Ratio Lower Upper

117 100

119 6.5 77.6 116.4#

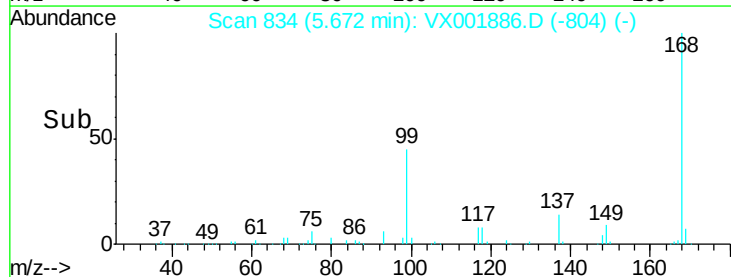
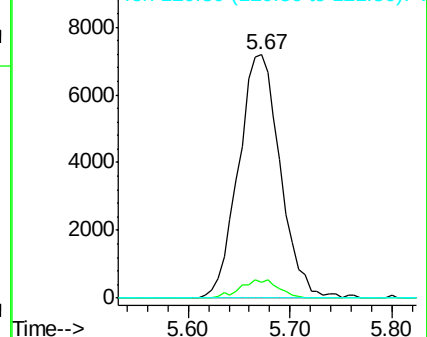
121 0.0 24.6 36.8#

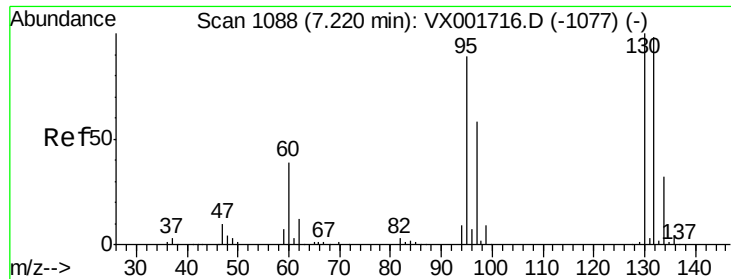


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 2.67 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

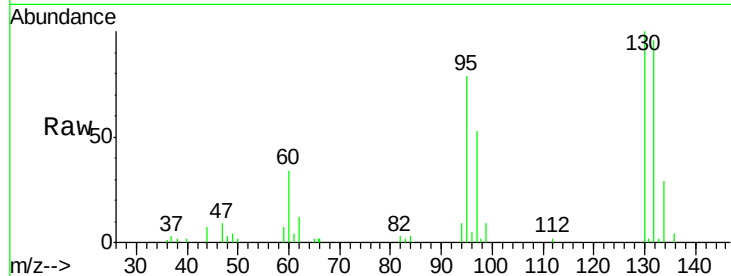
SS036MW004-180515

Tgt Ion:130 Resp: 9618

Ion Ratio Lower Upper

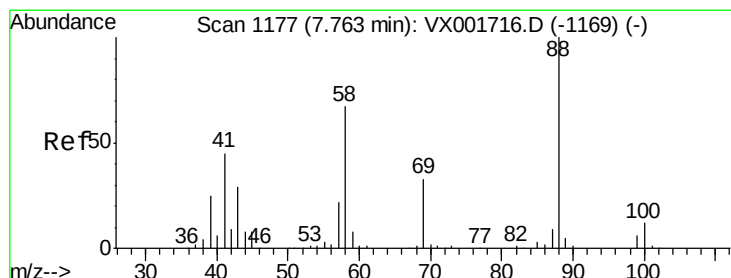
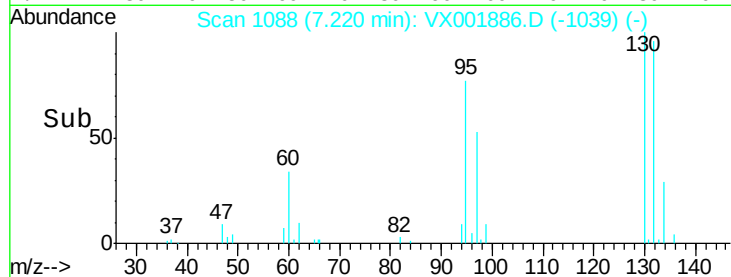
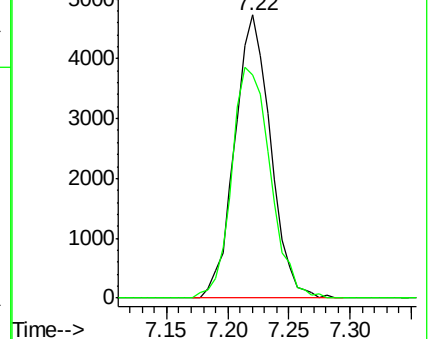
130 100

95 79.0 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.31 ug/l

RT: 7.80 min Scan# 1183

Delta R.T. 0.04 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

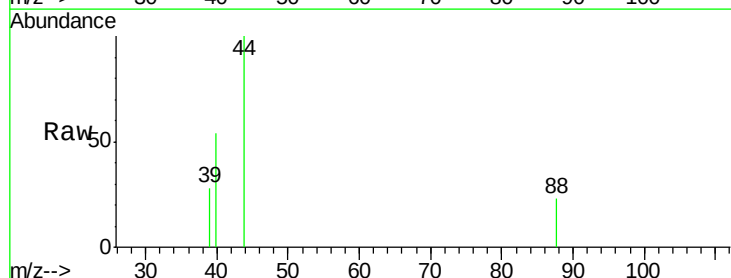
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 340.0 27.3 40.9#

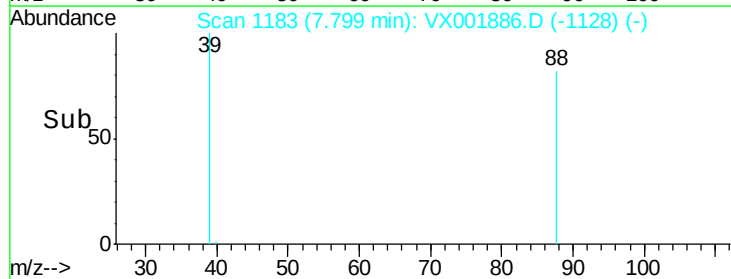
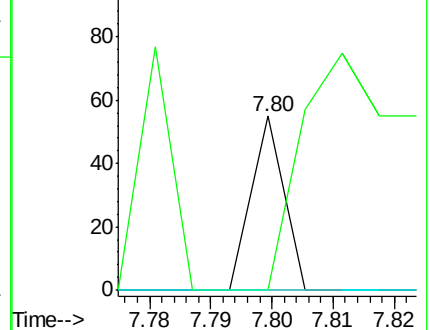
58 0.0 55.9 83.9#

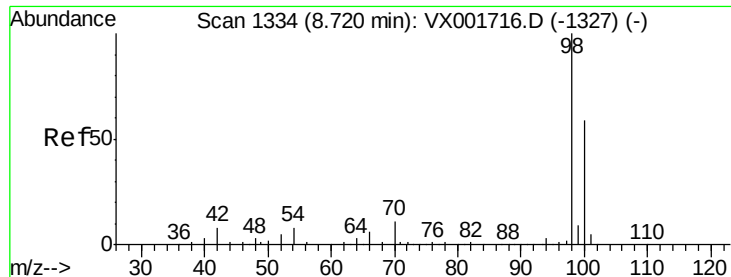


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

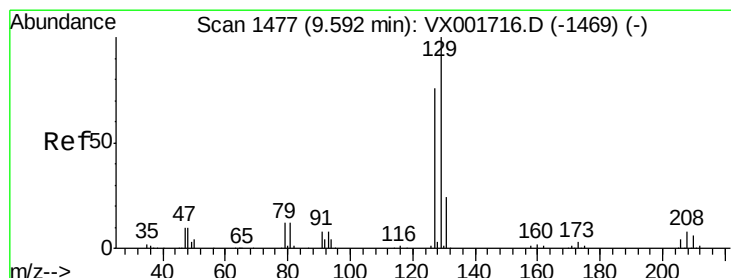
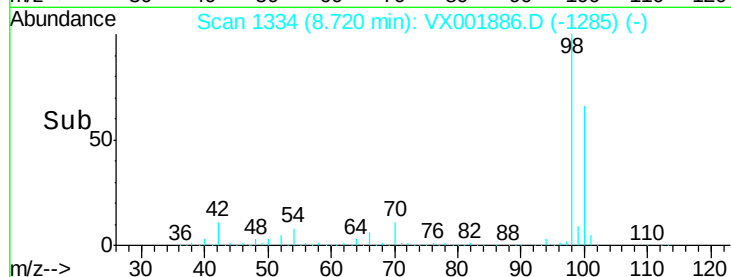
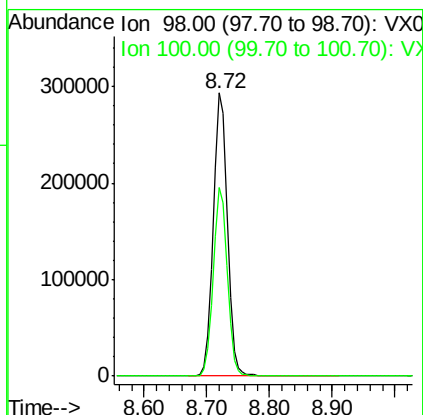
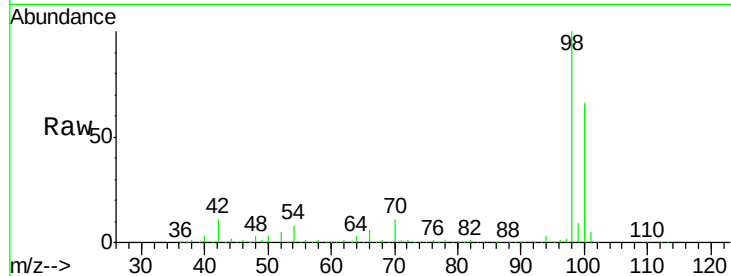




#50
Toluene-d8
Concen: 44.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001886.D
Acq: 21 May 2018 19:07

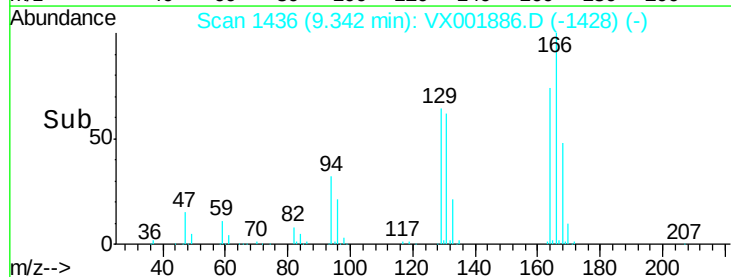
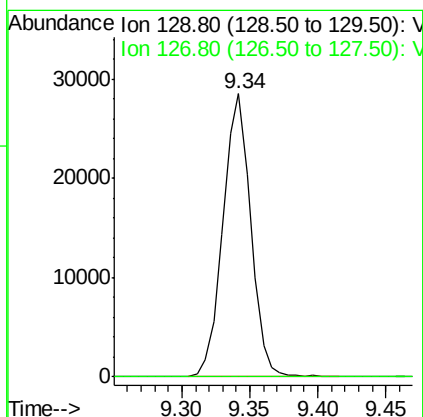
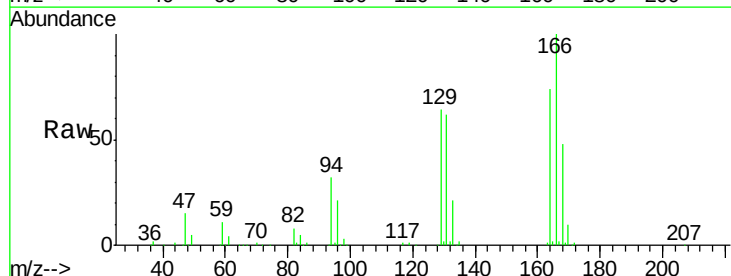
Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515

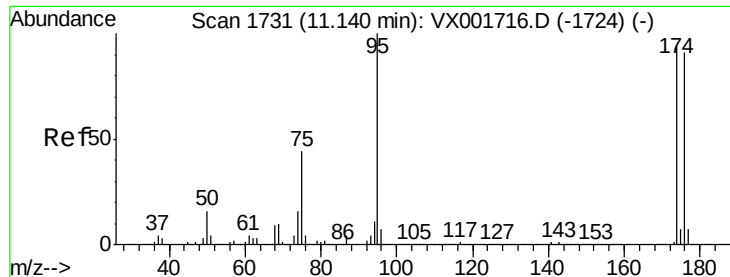
Tgt Ion: 98 Resp: 459098
Ion Ratio Lower Upper
98 100
100 66.3 54.0 81.0



#60
Dibromochloromethane
Concen: 13.92 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.25 min
Lab File: VX001886.D
Acq: 21 May 2018 19:07

Tgt Ion: 129 Resp: 40589
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#

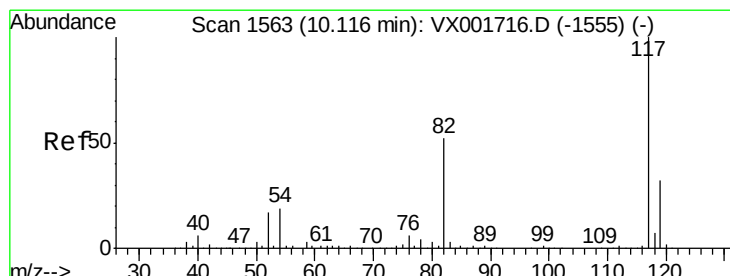
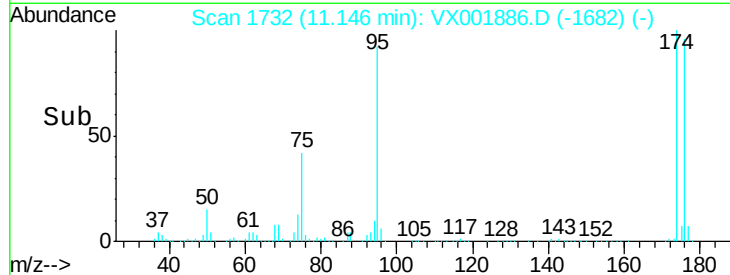
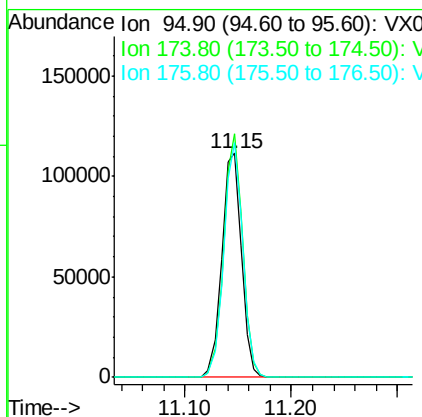
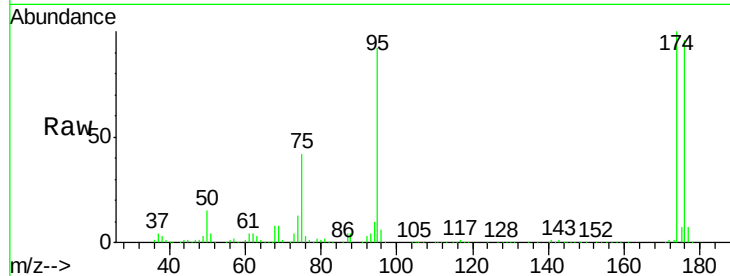




#62
4-Bromofluorobenzene
Concen: 38.73 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001886.D
Acq: 21 May 2018 19:07

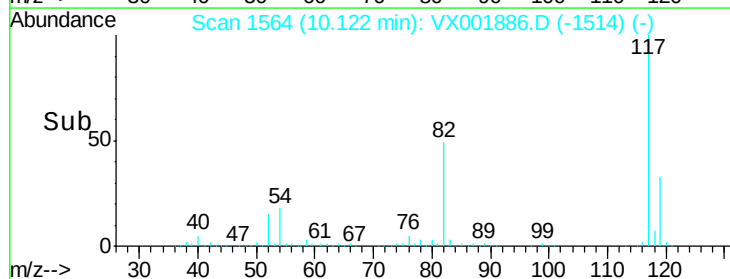
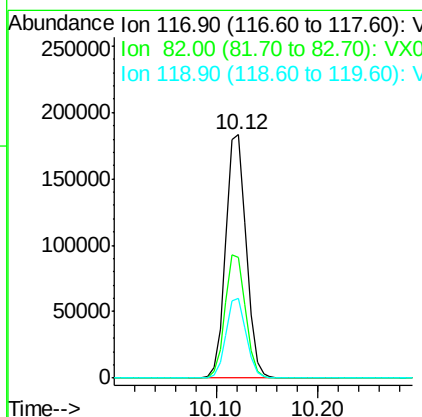
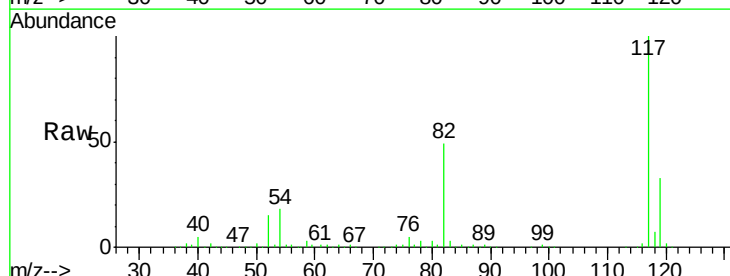
Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515

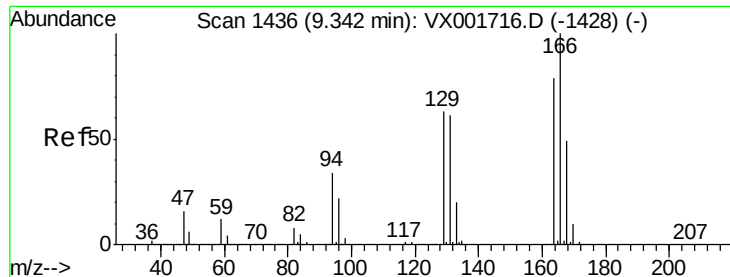
Tgt Ion: 95 Resp: 144089
Ion Ratio Lower Upper
95 100
174 104.7 0.0 201.8
176 101.3 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001886.D
Acq: 21 May 2018 19:07

Tgt Ion: 117 Resp: 254761
Ion Ratio Lower Upper
117 100
82 49.5 41.4 62.2
119 33.0 25.6 38.4





#64

Tetrachloroethene

Concen: 14.61 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515

Tgt Ion:164 Resp: 48451

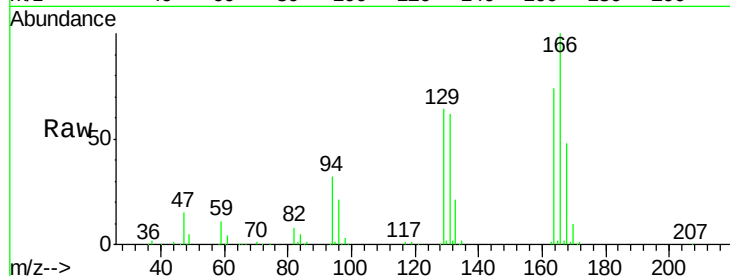
Ion Ratio Lower Upper

164 100

166 135.6 101.8 152.8

129 87.0 63.8 95.6

131 83.7 62.2 93.2

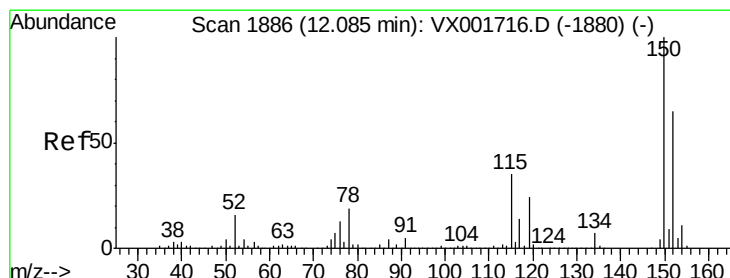
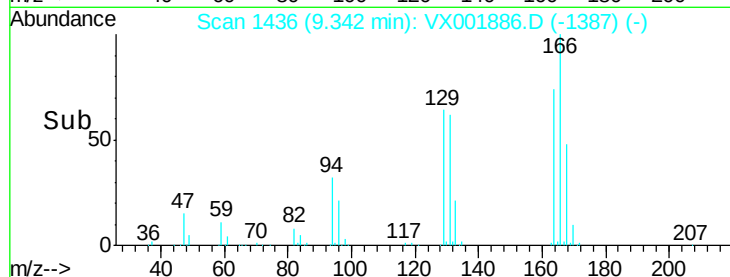
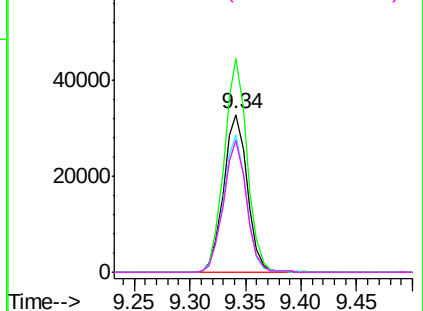


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

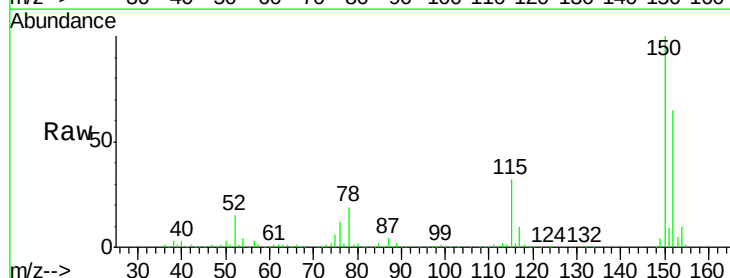
Tgt Ion:152 Resp: 130639

Ion Ratio Lower Upper

152 100

115 51.1 37.4 112.2

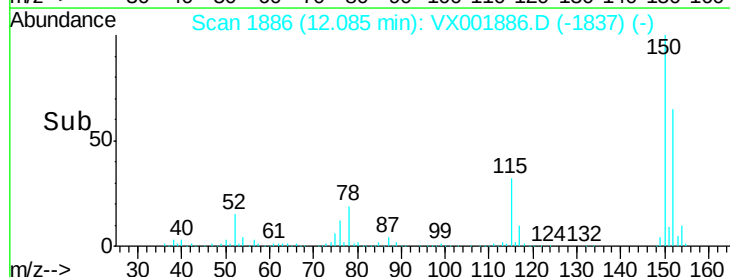
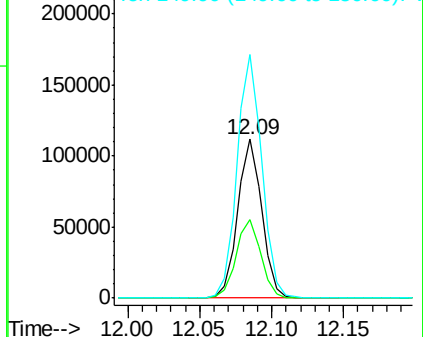
150 157.2 0.0 344.8

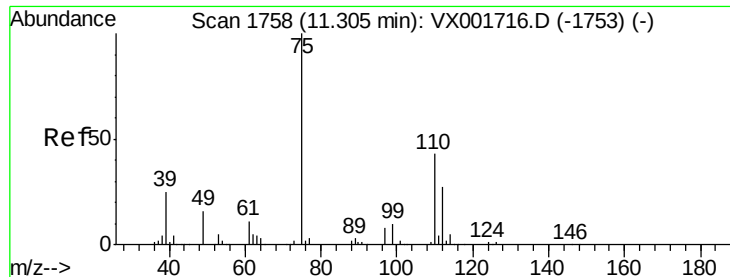


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.92 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

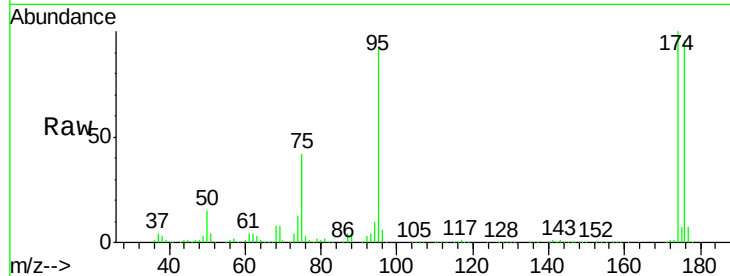
SS036MW004-180515

Tgt Ion: 75 Resp: 66870

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

50000

40000

30000

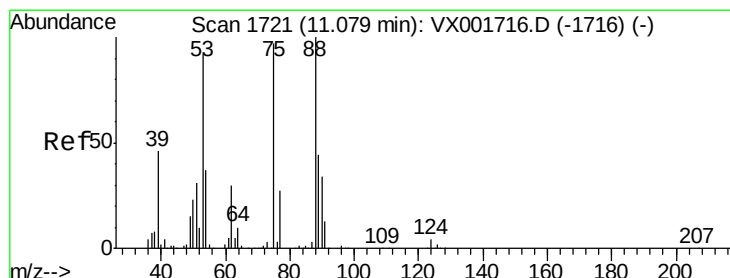
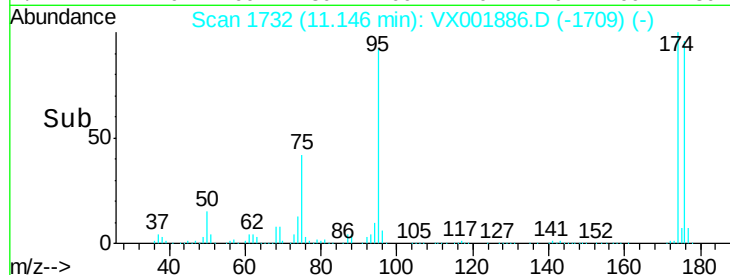
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 78.22 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001886.D

Acq: 21 May 2018 19:07

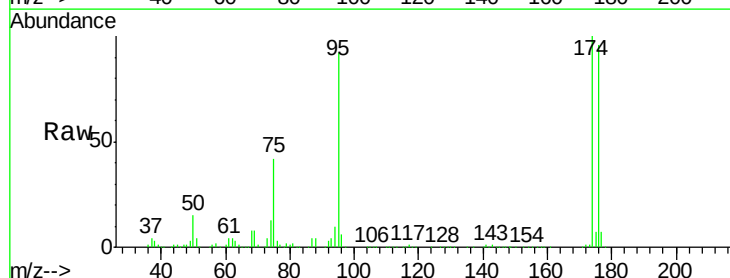
Tgt Ion: 75 Resp: 66870

Ion Ratio Lower Upper

75 100

53 0.2 79.4 119.2#

89 0.0 38.8 58.2#



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

11.15

60000

40000

20000

0

Time-->

11.10 11.15 11.20

