

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX052218\
 Data File : VX001898.D
 Acq On : 22 May 2018 17:23
 Operator : JC/MD
 Sample : J2988-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

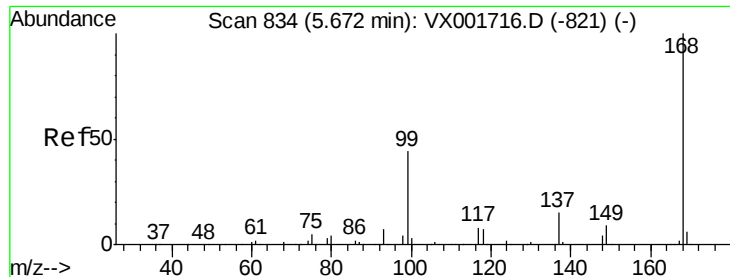
Quant Time: May 23 01:14:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	304957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	204605	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	251668	61.57	ug/l	0.00
Spiked Amount			Recovery	=	123.14%	
35) Dibromofluoromethane	5.51	113	199985	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
50) Toluene-d8	8.72	98	700436	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	11.14	95	223505	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	908	Below Cal		95
10) Methyl Iodide	2.53	142	1060	0.37	ug/l	93
11) Tert butyl alcohol	3.02	59	1191	1.64	ug/l #	77
16) Acetone	2.45	43	3693	2.30	ug/l	99
20) Methylene Chloride	2.86	84	938	0.27	ug/l #	76
21) trans-1,2-Dichloroethene	3.17	96	780	0.23	ug/l #	72
27) cis-1,2-Dichloroethene	4.61	96	6451	1.71	ug/l	83
31) Cyclohexane	5.67	56	5397	1.05	ug/l #	9
36) 1,1-Dichloropropene	5.67	75	18798	3.72	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26296	4.96	ug/l #	16
44) Trichloroethene	7.22	130	9418	2.04	ug/l	95
51) 4-Methyl-2-Pentanone	8.72	43	3112	0.60	ug/l #	1
60) Dibromochloromethane	9.34	129	45246	12.07	ug/l #	11
64) Tetrachloroethene	9.34	164	54816	10.76	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	106853	27.46	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	106853	79.74	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

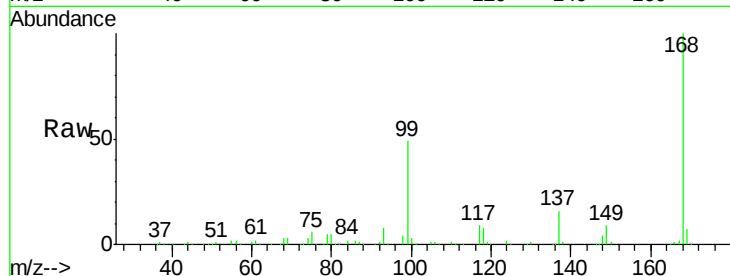
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 304957

Ion Ratio Lower Upper

168 100

99 49.3 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

120000

100000

80000

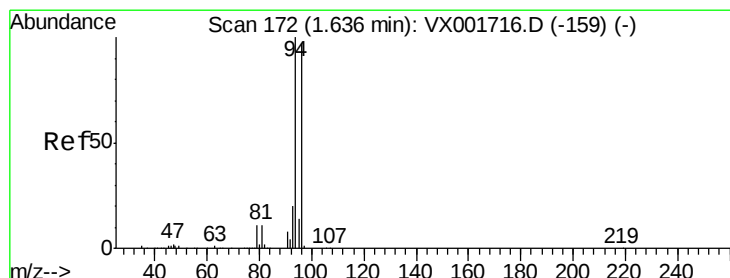
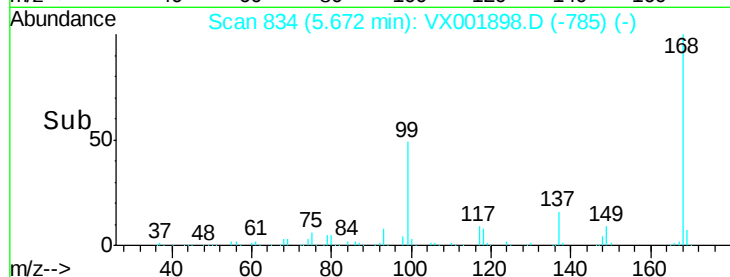
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001898.D

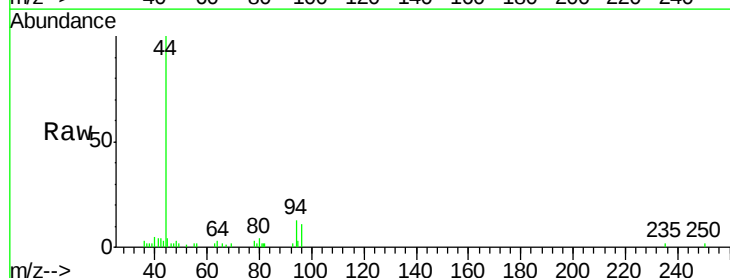
Acq: 22 May 2018 17:23

Tgt Ion: 94 Resp: 908

Ion Ratio Lower Upper

94 100

96 92.3 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

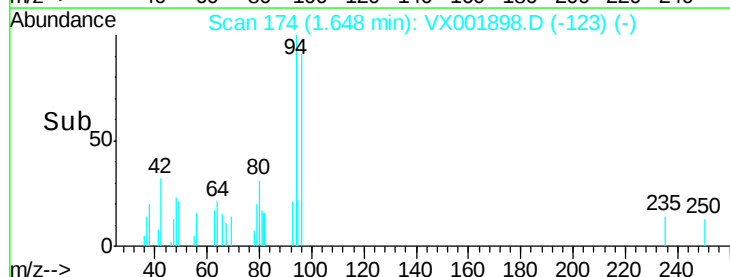
300

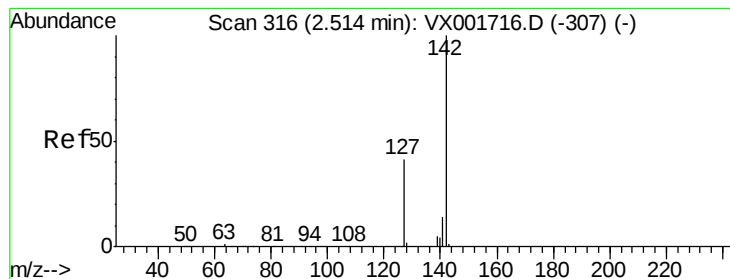
200

100

0

Time--> 1.60 1.65 1.70





#10

Methvl Iodide

Concen: 0.37 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :

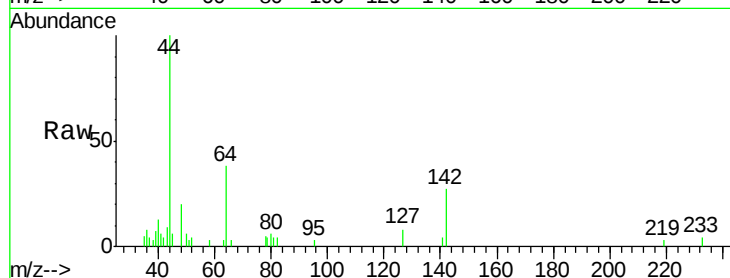
Tot Ion:142 Resp: 1060

Ion Ratio Lower Upper

142 100

127 45.7 32.5 48.7

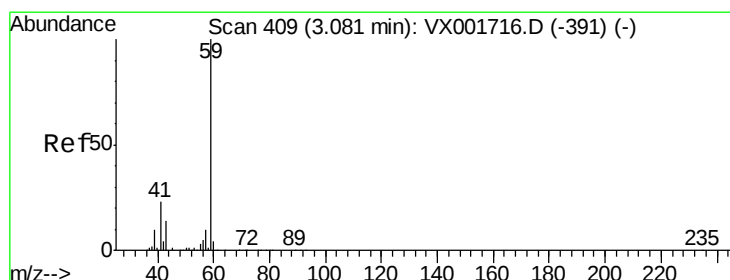
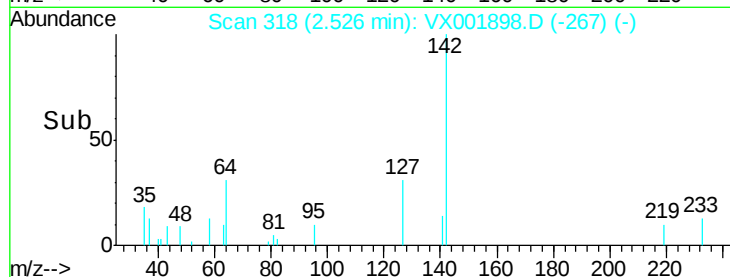
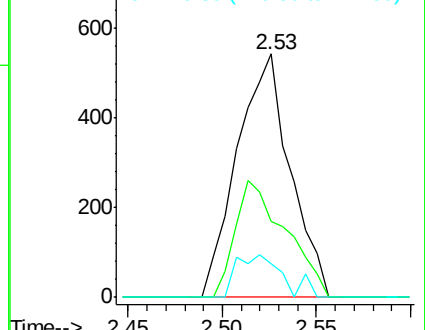
141 15.2 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.64 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.06 min

Lab File: VX001898.D

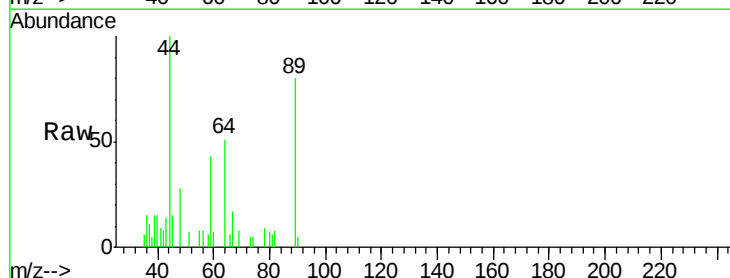
Acq: 22 May 2018 17:23

Tgt Ion: 59 Resp: 1191

Ion Ratio Lower Upper

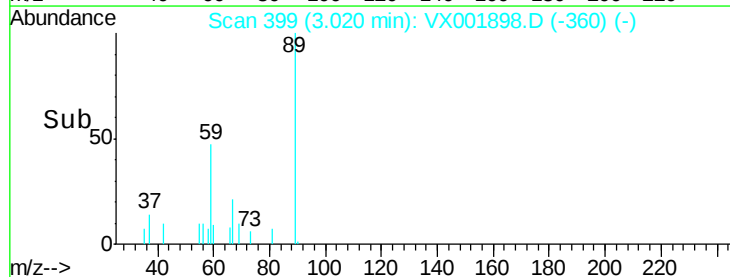
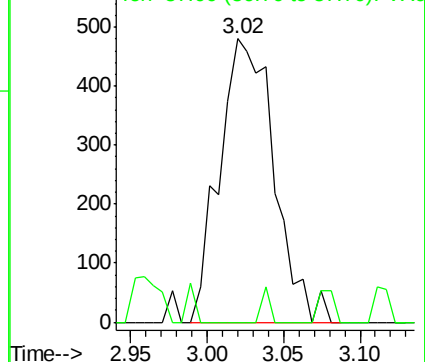
59 100

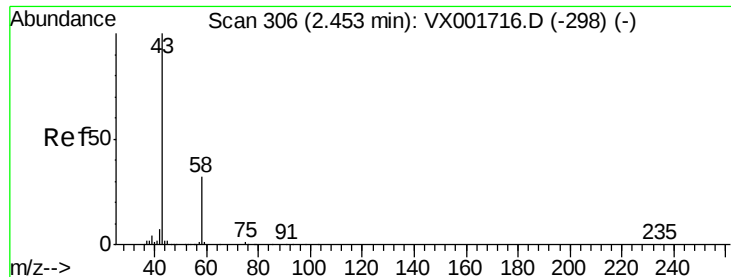
57 1.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.30 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

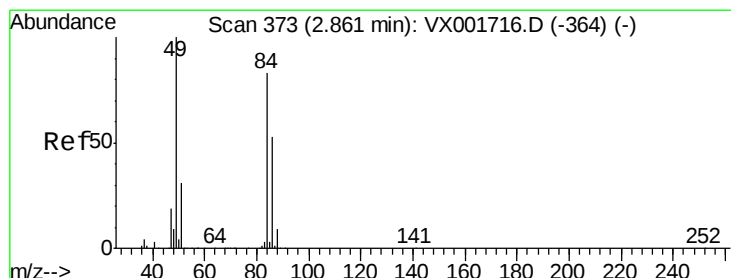
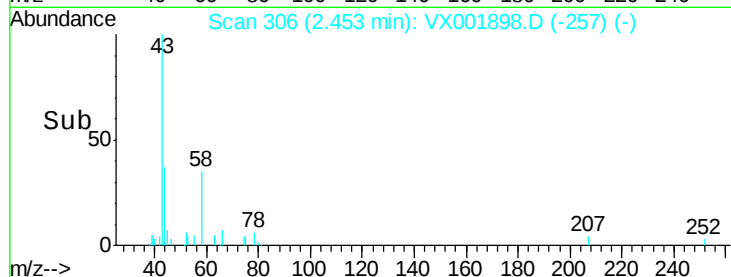
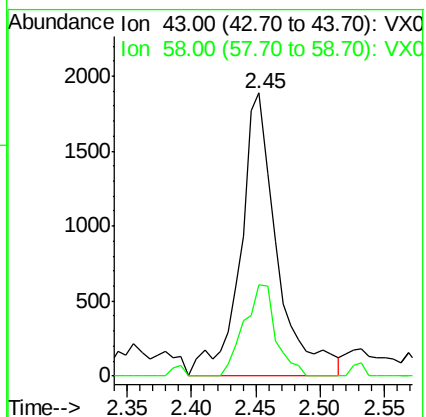
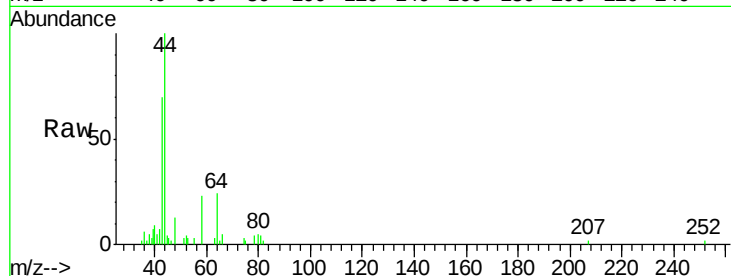
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 3693

Ion Ratio Lower Upper

43 100

58 32.3 25.3 37.9



#20

Methylene Chloride

Concen: 0.27 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

Tgt Ion: 84 Resp: 938

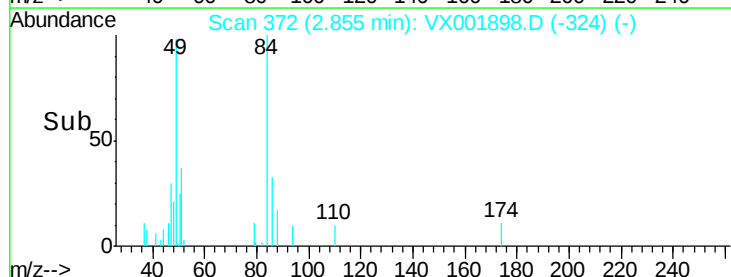
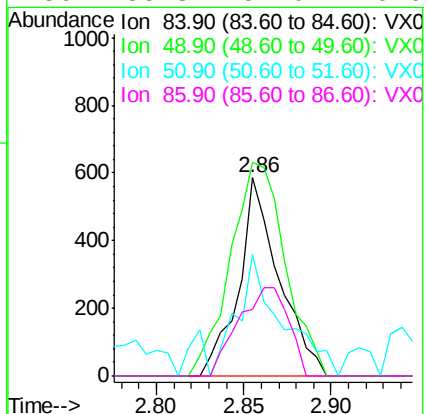
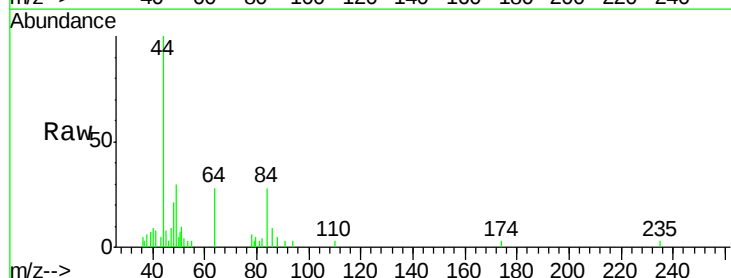
Ion Ratio Lower Upper

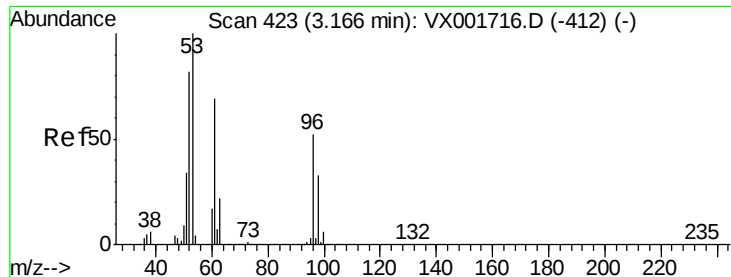
84 100

49 107.9 96.3 144.5

51 61.2 29.8 44.6#

86 33.3 51.0 76.6#





#21

trans-1,2-Dichloroethene

Concen: 0.23 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

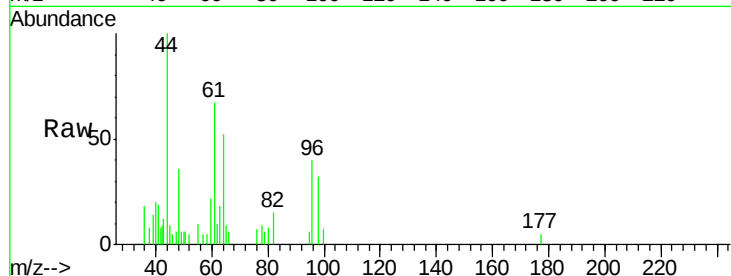
Tot Ion: 96 Resp: 780

Ion Ratio Lower Upper

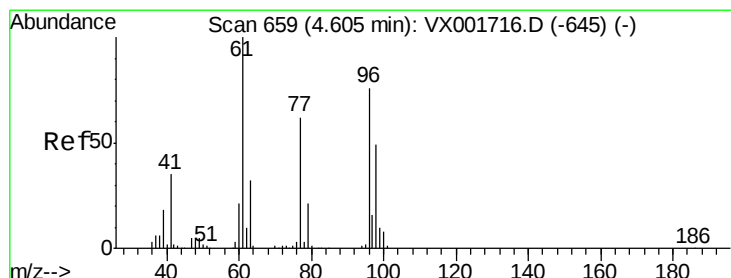
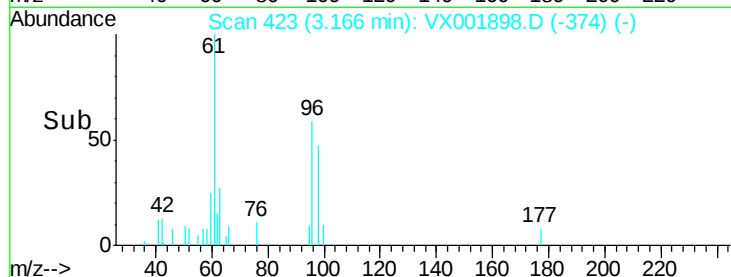
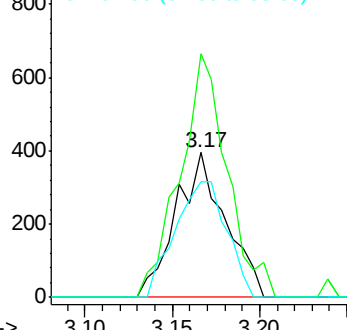
96 100

61 168.4 105.8 158.8#

98 79.7 50.2 75.4#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.71 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

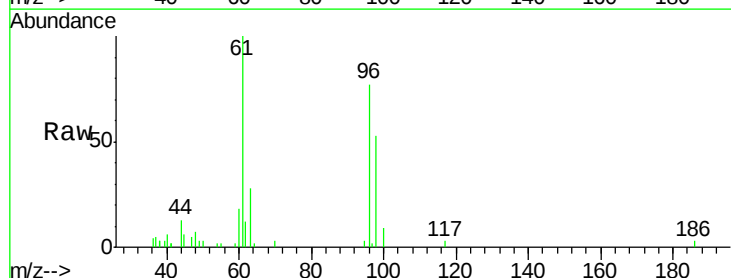
Tgt Ion: 96 Resp: 6451

Ion Ratio Lower Upper

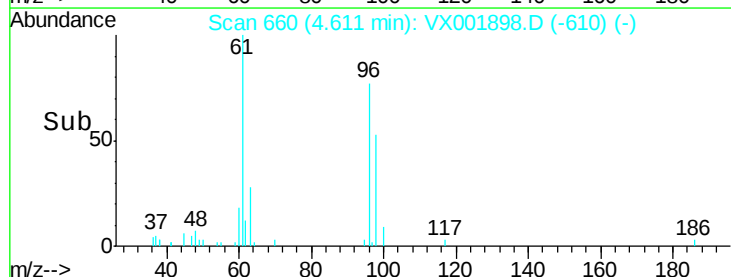
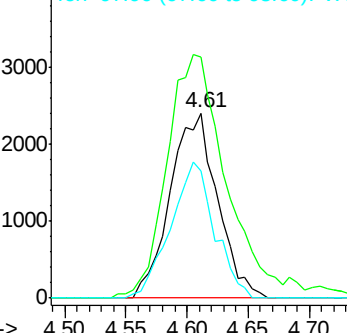
96 100

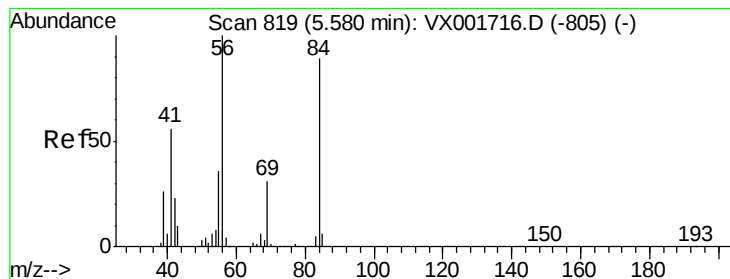
61 167.3 0.0 280.4

98 68.6 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.05 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

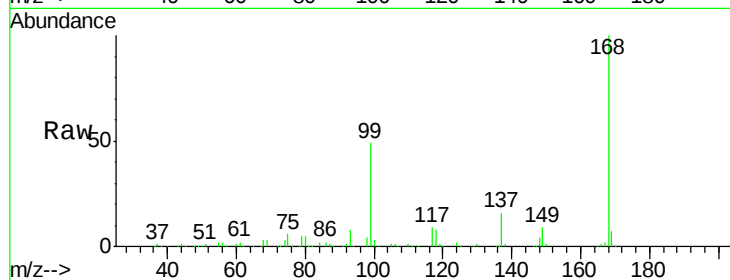
Tot Ion: 56 Resp: 5397

Ion Ratio Lower Upper

56 100

69 161.2 25.0 37.6#

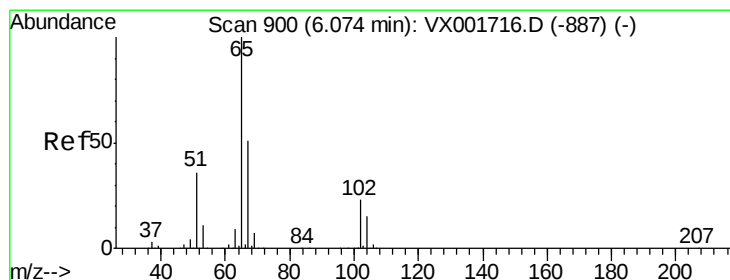
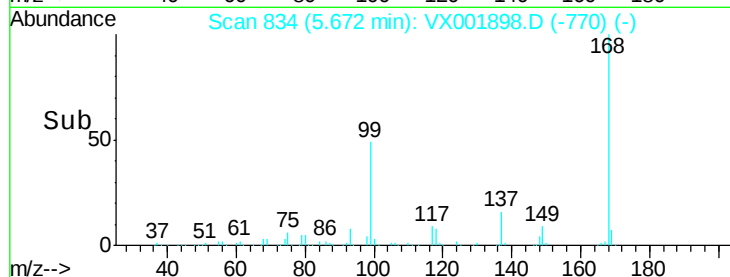
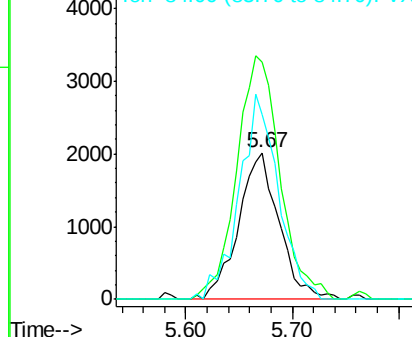
84 125.9 71.0 106.4#



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: 61.57 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001898.D

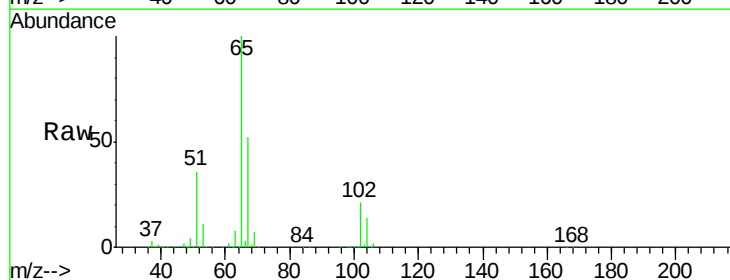
Acq: 22 May 2018 17:23

Tgt Ion: 65 Resp: 251668

Ion Ratio Lower Upper

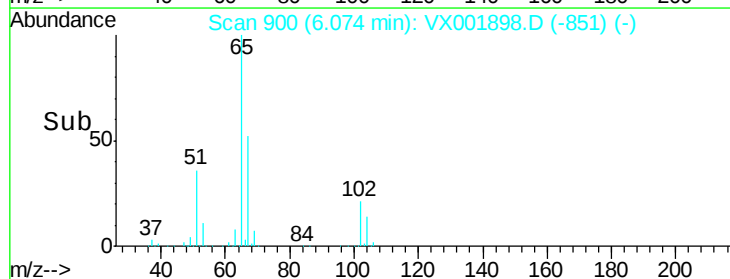
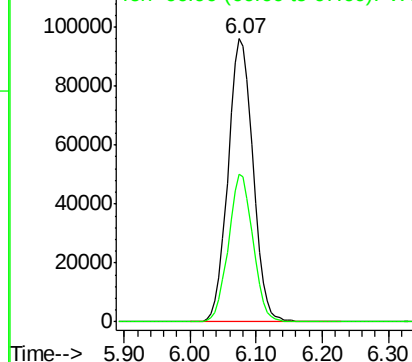
65 100

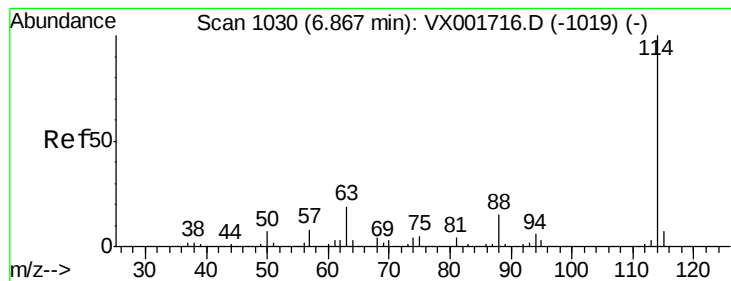
67 51.1 0.0 102.8



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: VX001898.D

Acq: 22 May 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

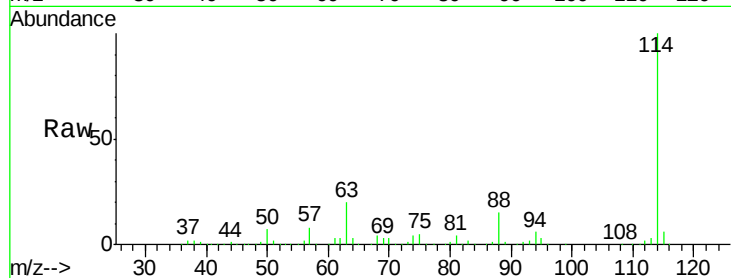
Tot Ion:114 Resp: 439273

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.0

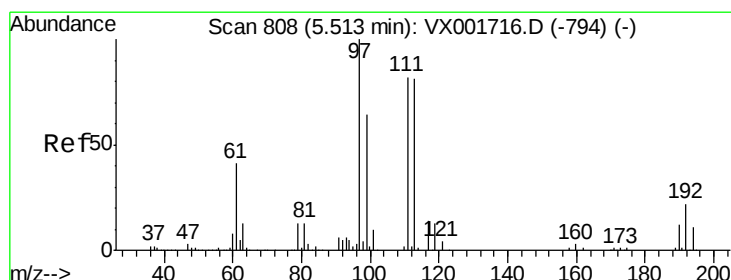
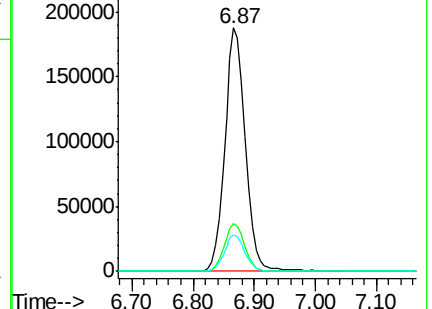
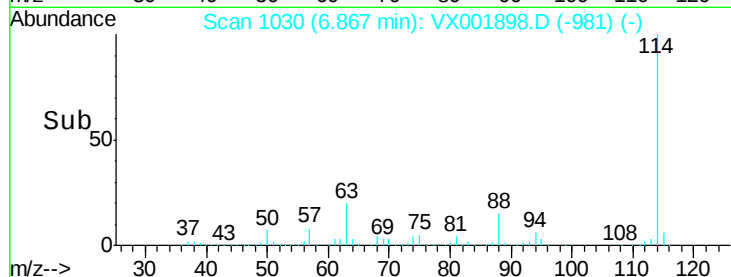
88 15.1 0.0 29.8



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: 53.95 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

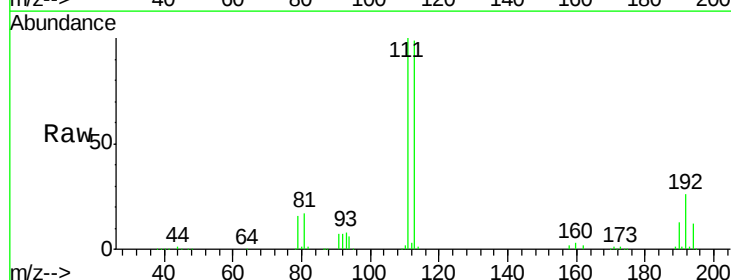
Tgt Ion:113 Resp: 199985

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

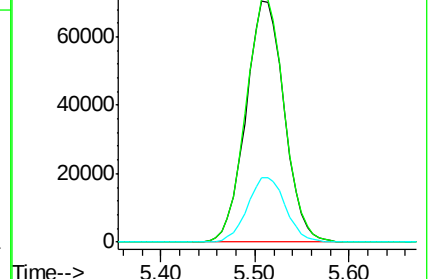
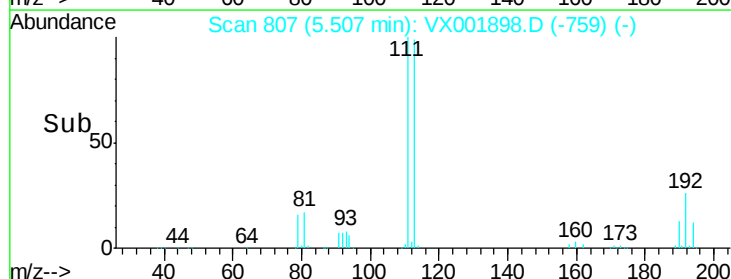
192 26.7 21.6 32.4

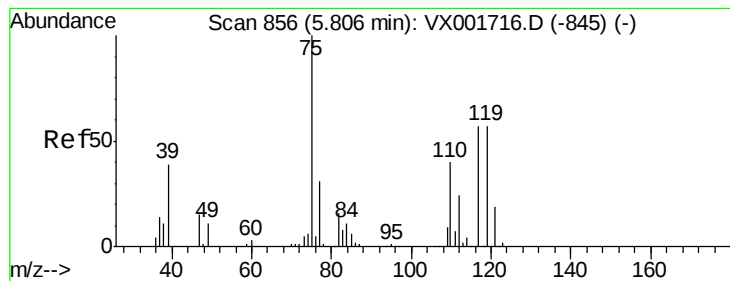


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.72 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

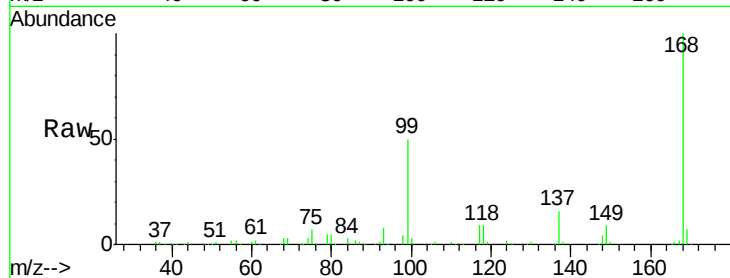
Tot Ion: 75 Resp: 18798

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.1#

77 0.1 24.6 37.0#

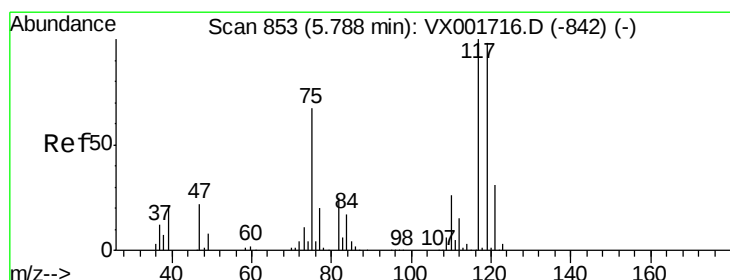
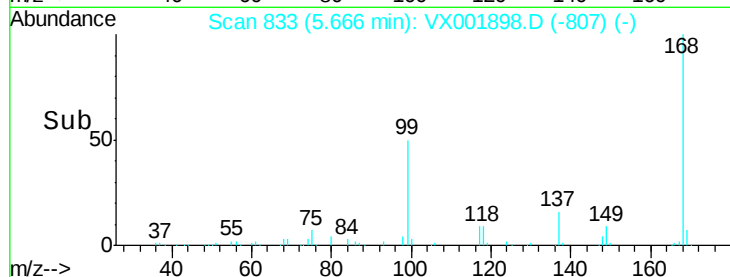


Abundance Ion 74.90 (74.60 to 75.60): VX001716.D (-845) (-)

Ion 109.90 (109.60 to 110.60): VX001716.D (-845) (-)

Ion 76.90 (76.60 to 77.60): VX001716.D (-845) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.96 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

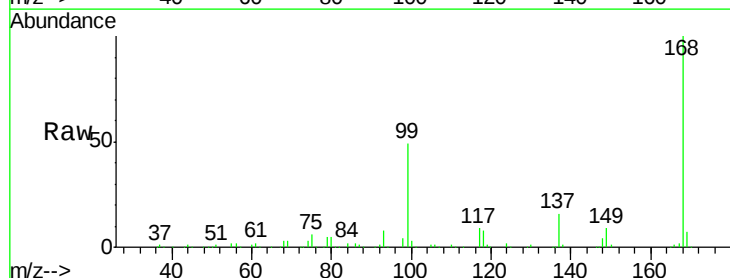
Tgt Ion: 117 Resp: 26296

Ion Ratio Lower Upper

117 100

119 6.0 77.6 116.4#

121 0.0 24.6 36.8#

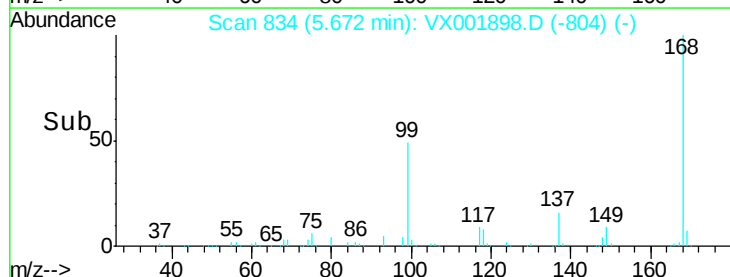


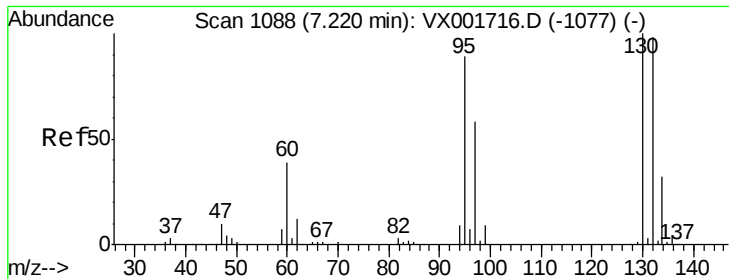
Abundance Ion 116.80 (116.50 to 117.50): VX001716.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001716.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001716.D (-842) (-)

Time-->





#44

Trichloroethene

Concen: 2.04 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

Instrument :

MSVOA_X

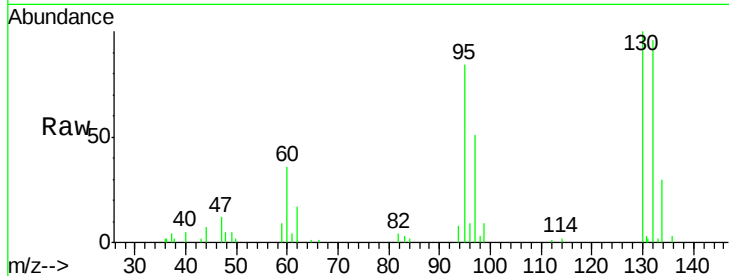
ClientSampleId :

Tot Ion:130 Resp: 9418

Ion Ratio Lower Upper

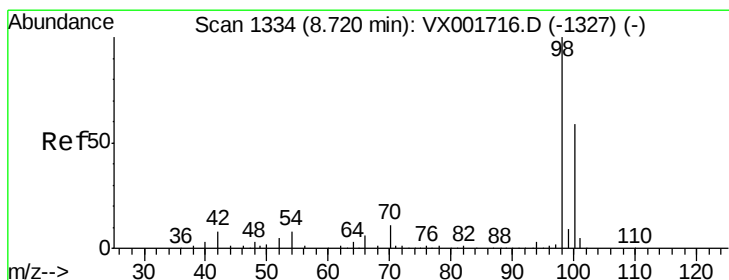
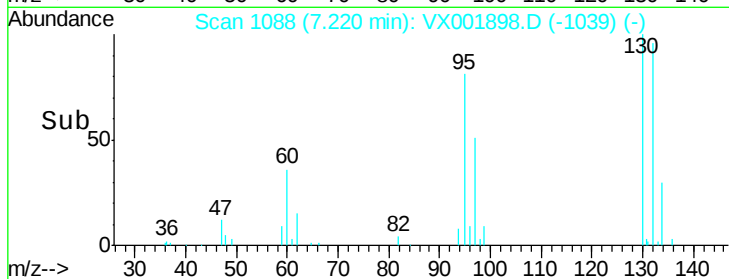
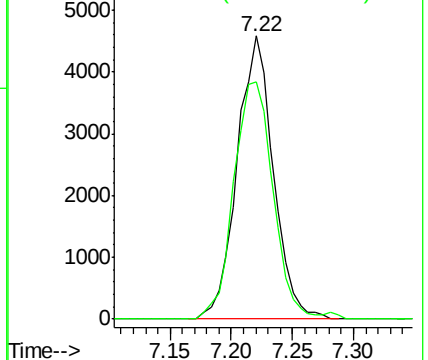
130 100

95 83.6 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.76 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001898.D

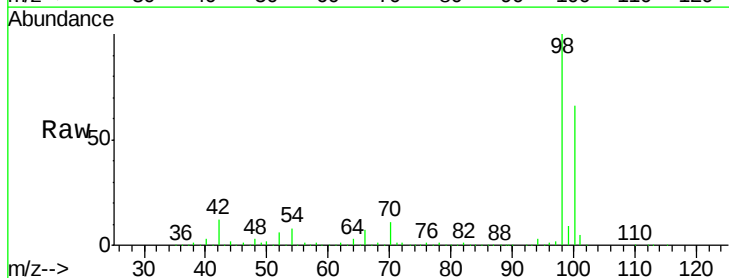
Acq: 22 May 2018 17:23

Tgt Ion: 98 Resp: 700436

Ion Ratio Lower Upper

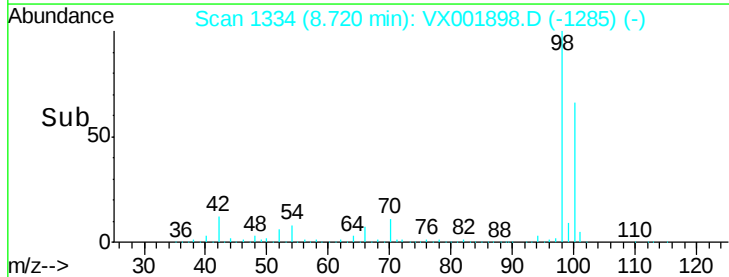
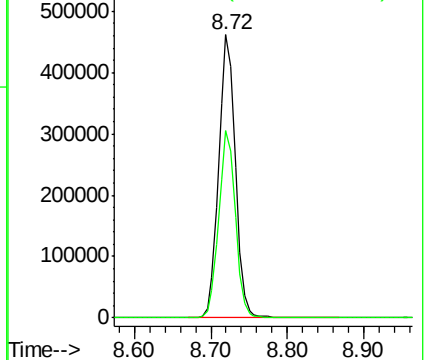
98 100

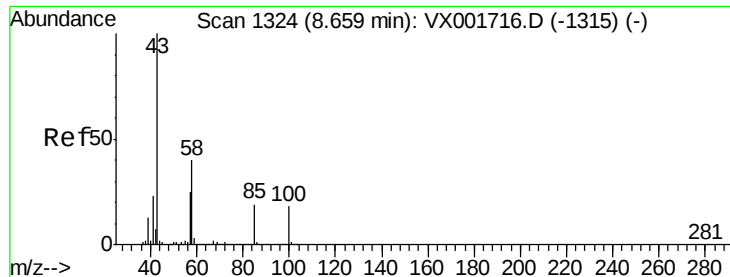
100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

Instrument :

MSVOA_X

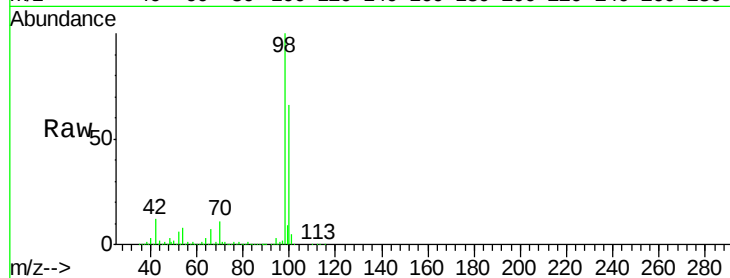
ClientSampled :

Tot Ion: 43 Resp: 3112

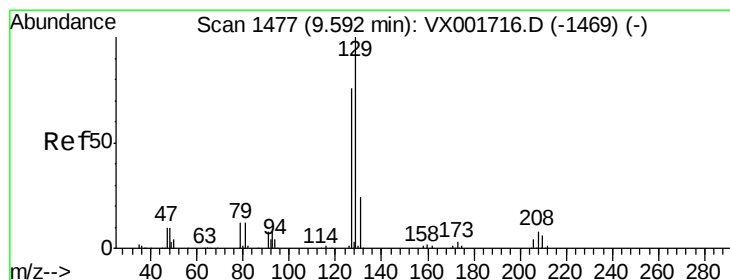
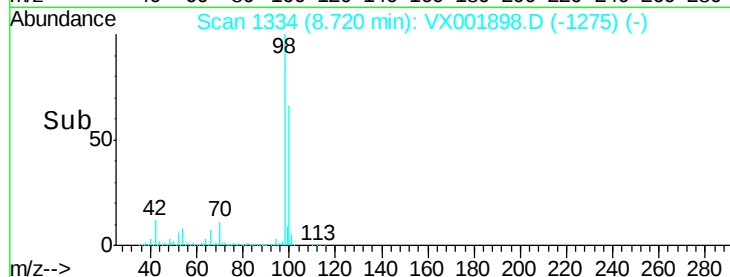
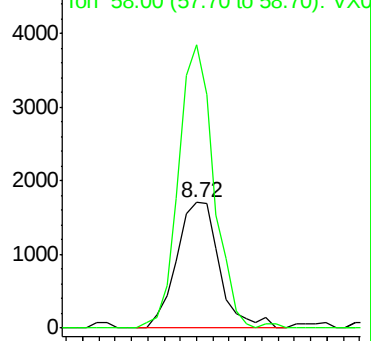
Ion Ratio Lower Upper

43 100

58 185.8 31.4 47.0#



Abundance Ion 43.00 (42.70 to 43.70): VX001716.D (-1315) (-)



#60

Dibromochloromethane

Concen: 12.07 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001898.D

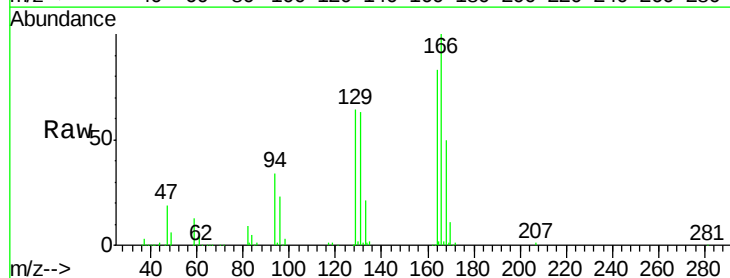
Acq: 22 May 2018 17:23

Tgt Ion: 129 Resp: 45246

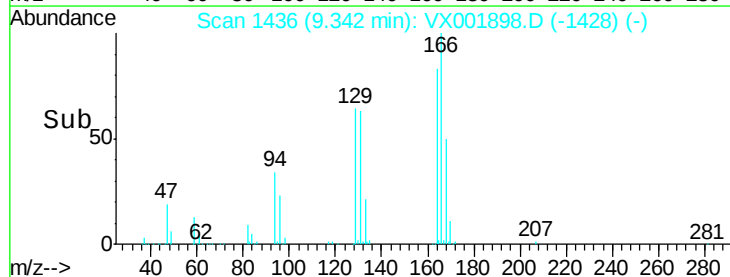
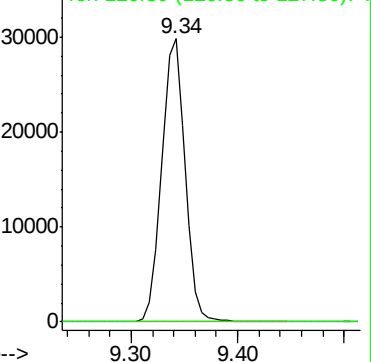
Ion Ratio Lower Upper

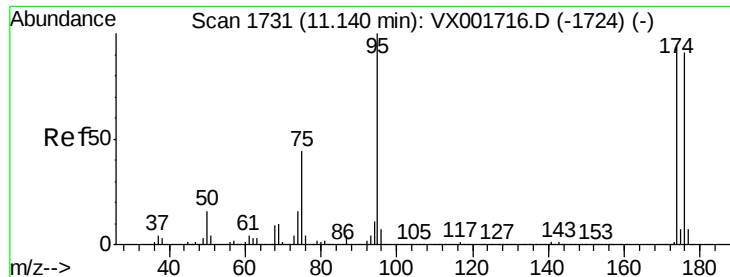
129 100

127 0.1 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): VX001716.D (-1469) (-)

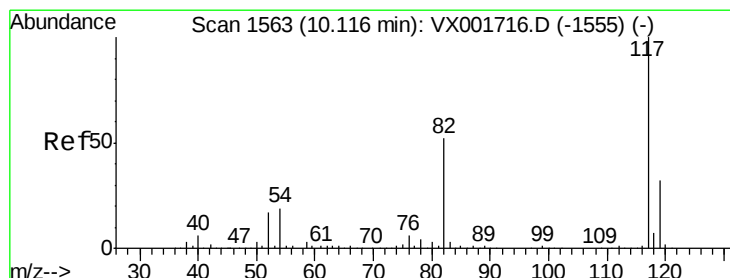
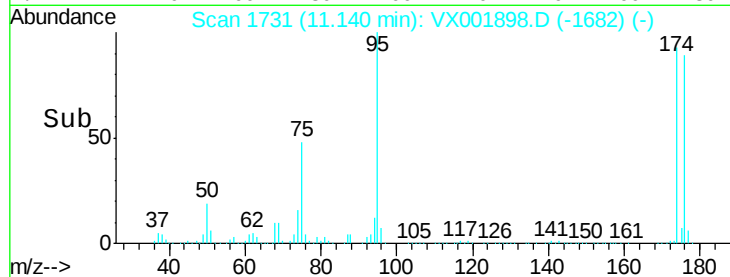
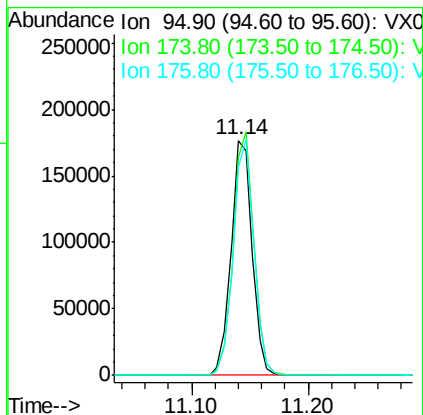
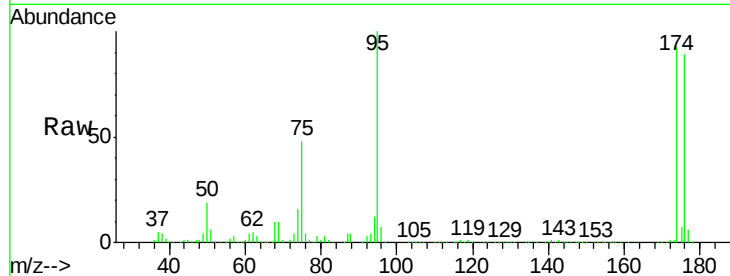




#62
4-Bromofluorobenzene
Concen: 46.75 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001898.D
Acq: 22 May 2018 17:23

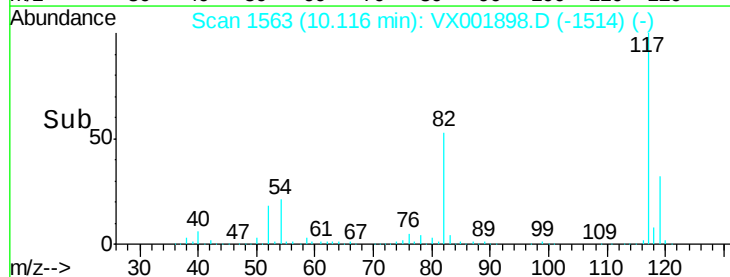
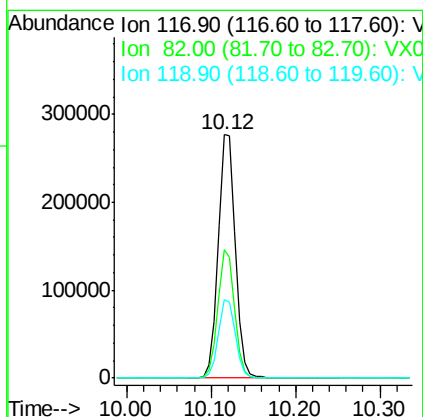
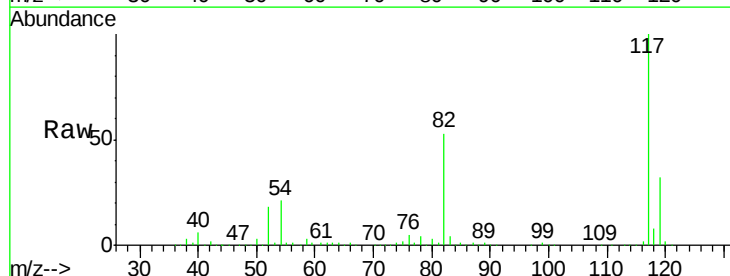
Instrument :
MSVOA_X
ClientSampled :

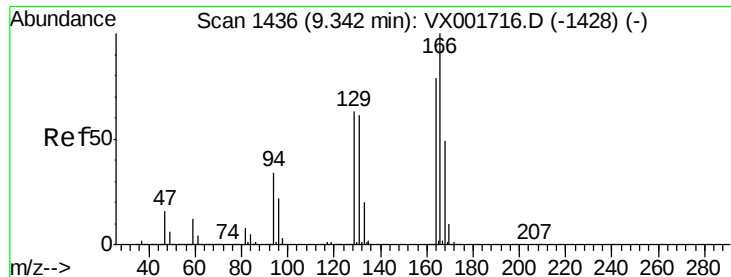
Tot Ion	95	Resp	223505
Ion	Ratio	Lower	Upper
95	100		
174	101.8	0.0	201.8
176	98.0	0.0	196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001898.D
Acq: 22 May 2018 17:23

Tgt Ion	117	Resp	391169
Ion	Ratio	Lower	Upper
117	100		
82	52.9	41.4	62.2
119	32.5	25.6	38.4

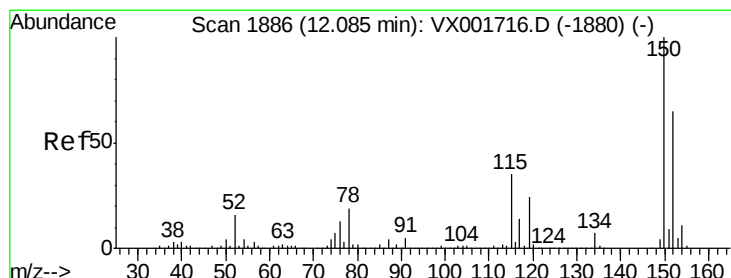
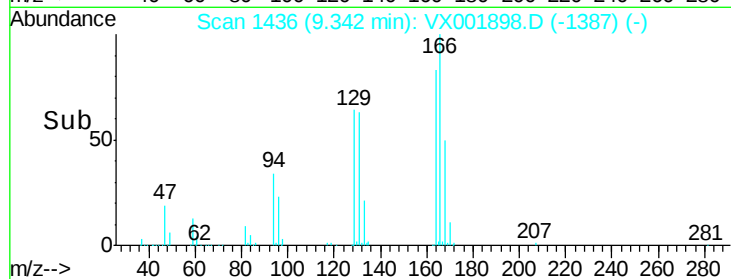
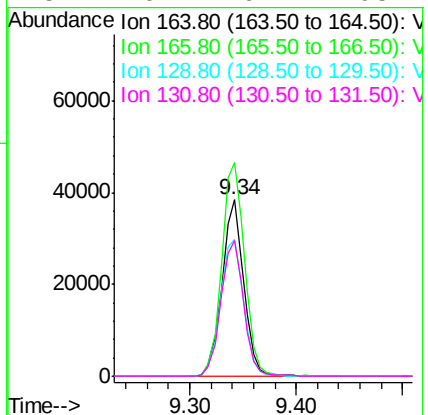
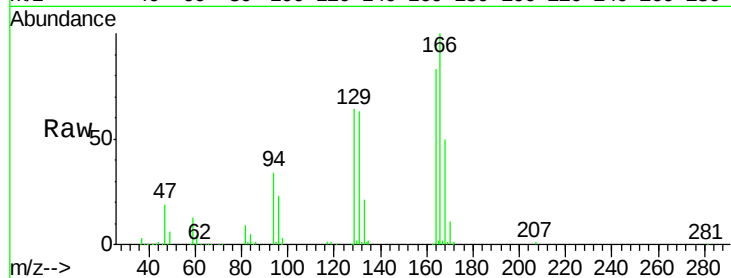




#64
Tetrachloroethene
Concen: 10.76 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001898.D
Acq: 22 May 2018 17:23

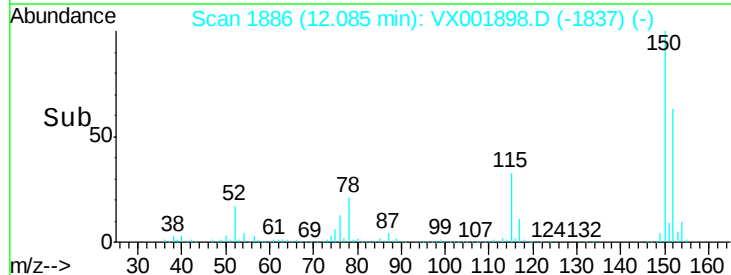
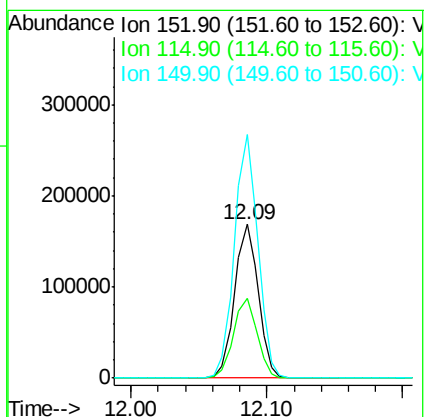
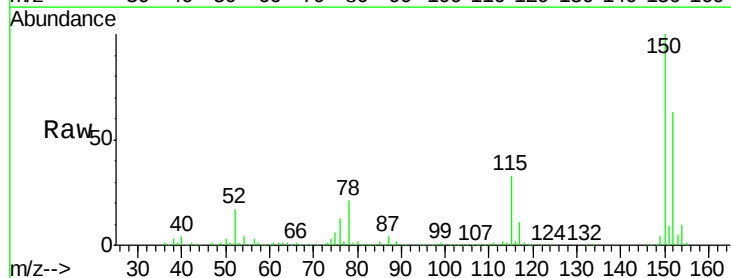
Instrument :
MSVOA_X
ClientSampleId :

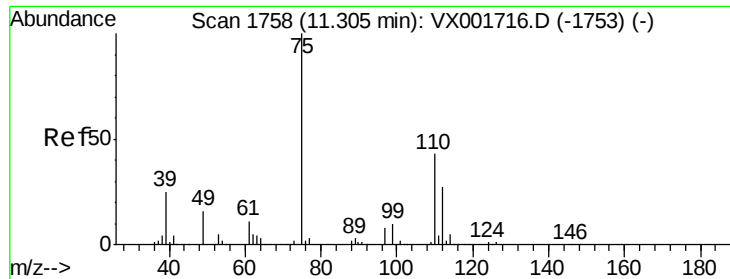
Tot Ion:164 Resp: 54816
Ion Ratio Lower Upper
164 100
166 121.0 101.8 152.8
129 77.6 63.8 95.6
131 76.7 62.2 93.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001898.D
Acq: 22 May 2018 17:23

Tgt Ion:152 Resp: 204605
Ion Ratio Lower Upper
152 100
115 52.3 37.4 112.2
150 156.9 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 27.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

Instrument :

MSVOA_X

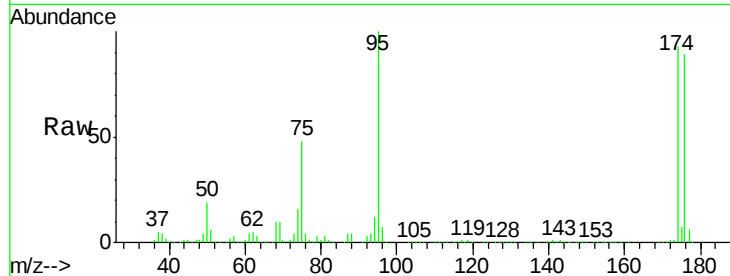
ClientSampleId :

Tot Ion: 75 Resp: 106853

Ion Ratio Lower Upper

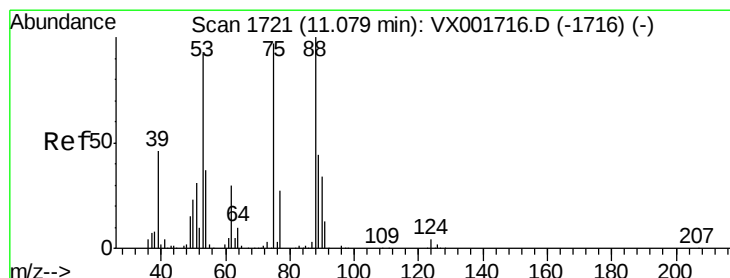
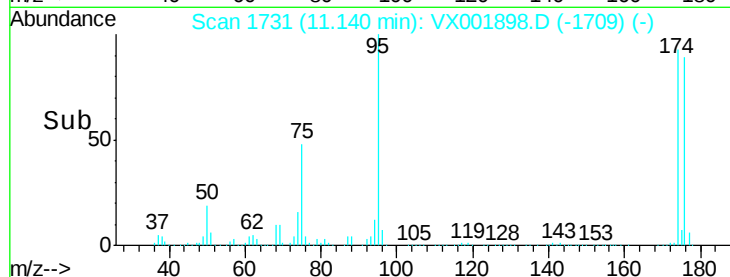
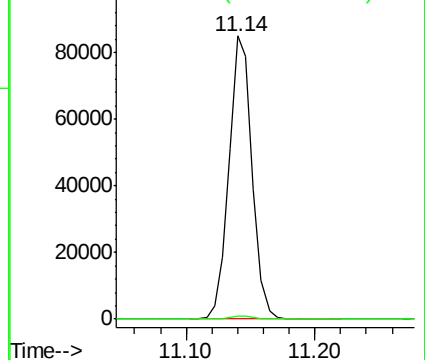
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 79.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001898.D

Acq: 22 May 2018 17:23

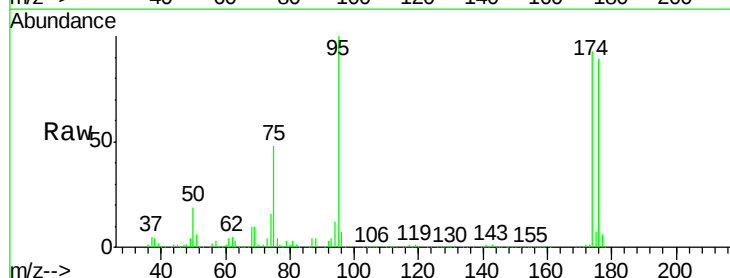
Tgt Ion: 75 Resp: 106853

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

