

Data File : VX001885.D

Acq On : 21 May 2018 18:40

Operator : JC/MD

Sample : J2988-05

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 16 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

ST008MW172-180515

Quant Time: May 22 01:54:29 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	248482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333773	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	250330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	121218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	174218	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	5.51	113	154690	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
50) Toluene-d8	8.72	98	449071	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
62) 4-Bromofluorobenzene	11.15	95	139240	38.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.66%	

Target Compounds

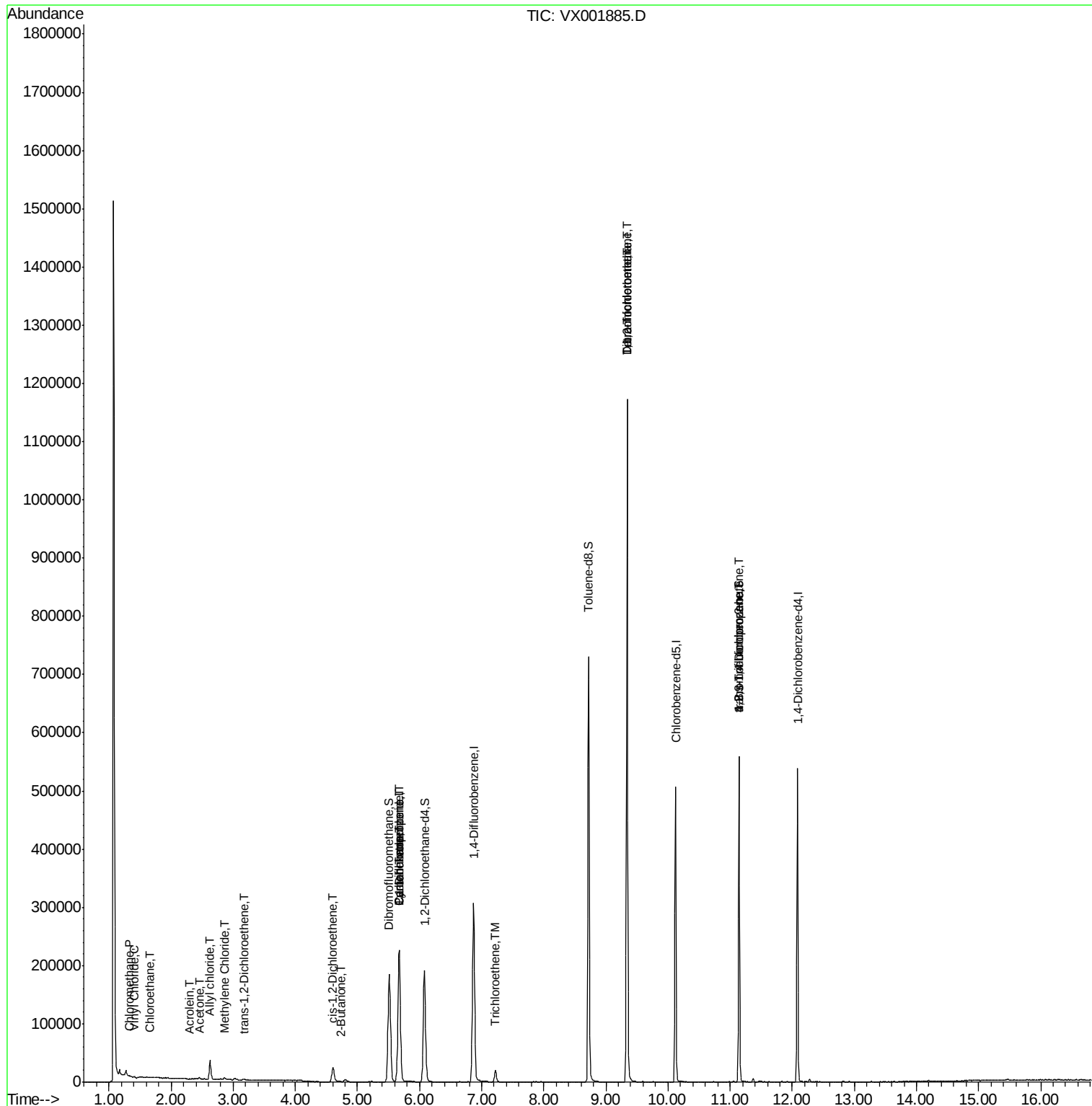
						Qvalue
3) Chloromethane	1.32	50	607	0.23	ug/l	99
4) Vinyl Chloride	1.40	62	1426	0.49	ug/l	98
5) Bromomethane	1.62	94	22	Below Cal	#	1
6) Chloroethane	1.66	64	5842	3.18	ug/l	59
13) Acrolein	2.29	56	138	0.33	ug/l	15
14) Allyl chloride	2.63	41	3297	0.73	ug/l	60
16) Acetone	2.46	43	3137	2.40	ug/l	93
20) Methylene Chloride	2.86	84	1277	0.46	ug/l	80
21) trans-1,2-Dichloroethene	3.17	96	759	0.28	ug/l	87
25) 2-Butanone	4.73	43	451	0.23	ug/l	51
27) cis-1,2-Dichloroethene	4.60	96	15929	5.17	ug/l	97
31) Cyclohexane	5.67	56	3653	0.87	ug/l	1
36) 1,1-Dichloropropene	5.67	75	14077	3.66	ug/l	49
38) Carbon Tetrachloride	5.67	117	20060	4.98	ug/l	17
44) Trichloroethene	7.22	130	8736	2.49	ug/l	91
55) 1,1,2-Trichloroethane	9.34	97	1906	0.69	ug/l	12
60) Dibromochloromethane	9.34	129	207476	72.87	ug/l	11
64) Tetrachloroethene	9.34	164	252517	77.49	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	64175	27.84	ug/l	40
81) trans-1,4-Dichloro-2-buten	11.14	75	64175	80.79	ug/l	10

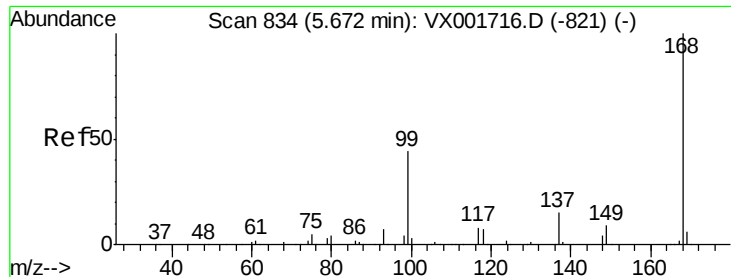
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

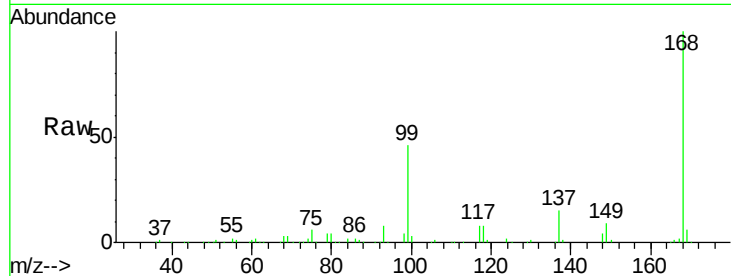
ST008MW172-180515

Tgt Ion:168 Resp: 248482

Ion Ratio Lower Upper

168 100

99 45.6 35.0 52.4

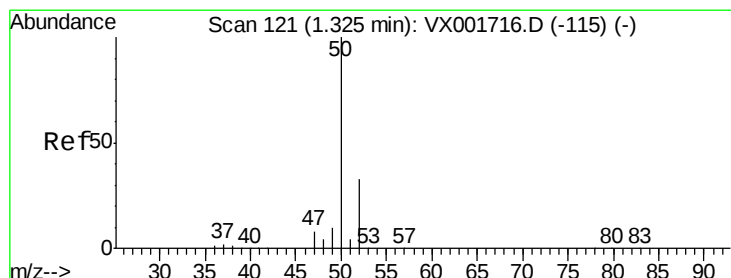
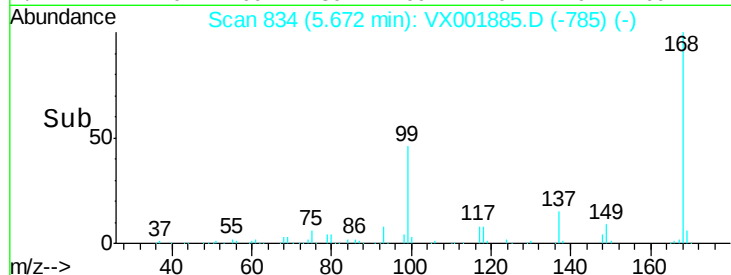


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001885.D

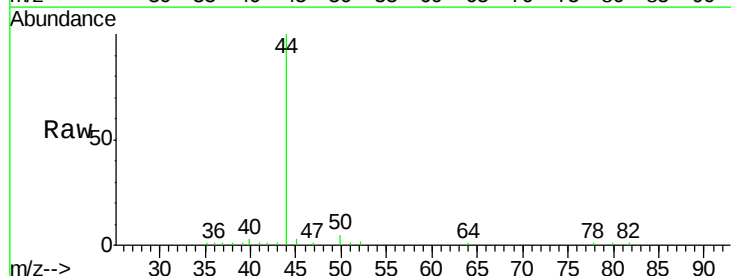
Acq: 21 May 2018 18:40

Tgt Ion: 50 Resp: 607

Ion Ratio Lower Upper

50 100

52 33.4 26.3 39.5

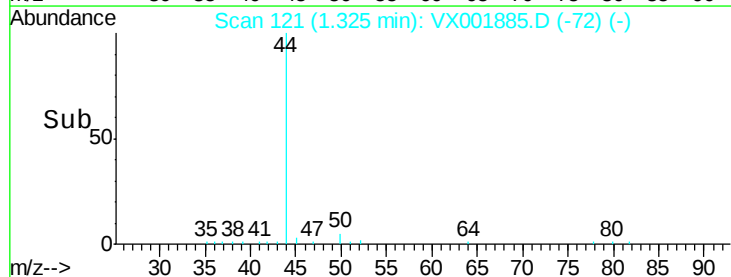


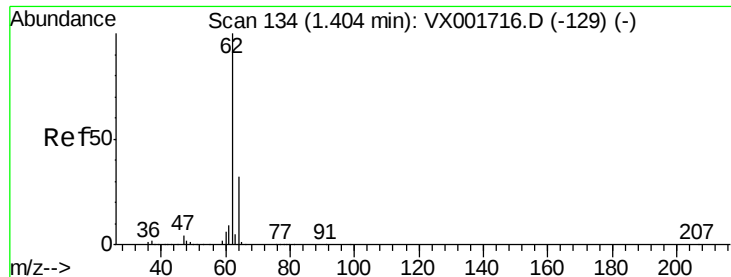
Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

Time-->





#4

Vinyl Chloride

Concen: 0.49 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

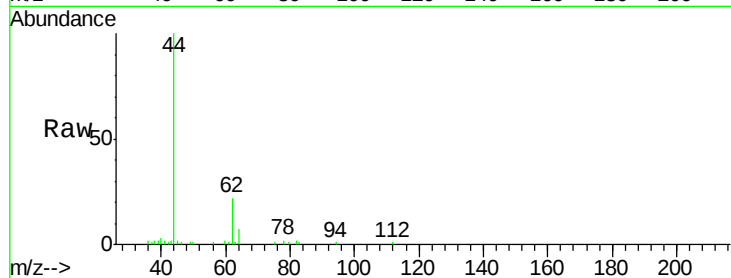
ST008MW172-180515

Tgt Ion: 62 Resp: 1426

Ion Ratio Lower Upper

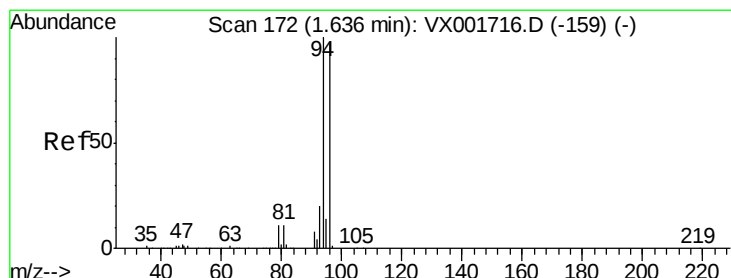
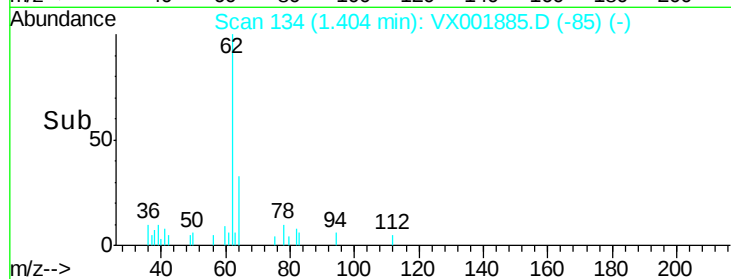
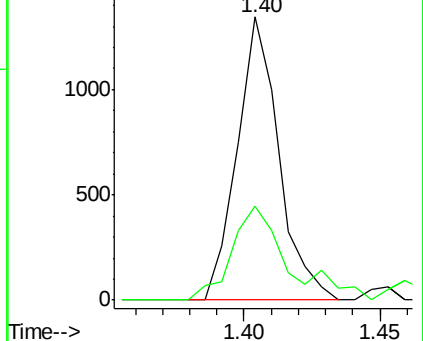
62 100

64 33.3 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: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001885.D

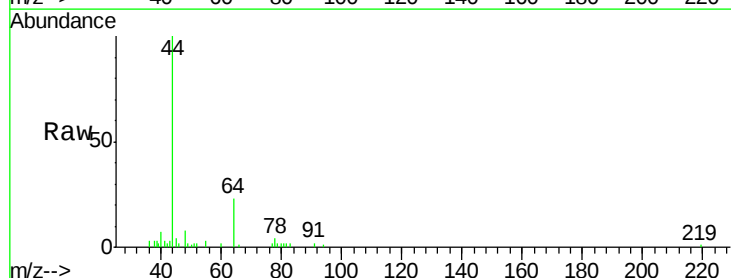
Acq: 21 May 2018 18:40

Tgt Ion: 94 Resp: 22

Ion Ratio Lower Upper

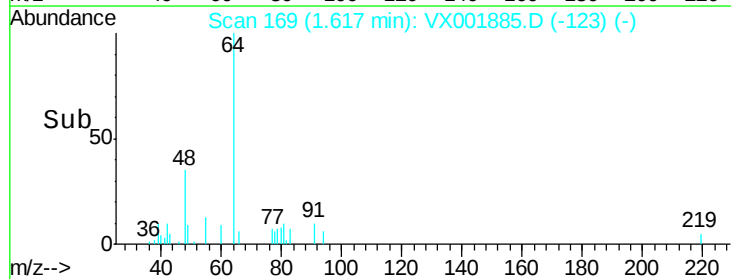
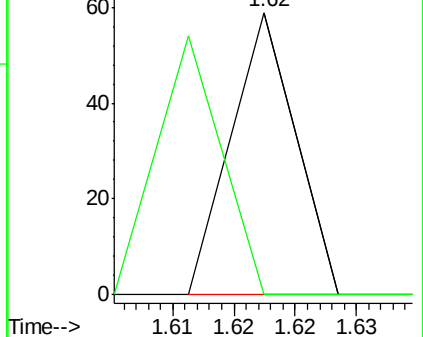
94 100

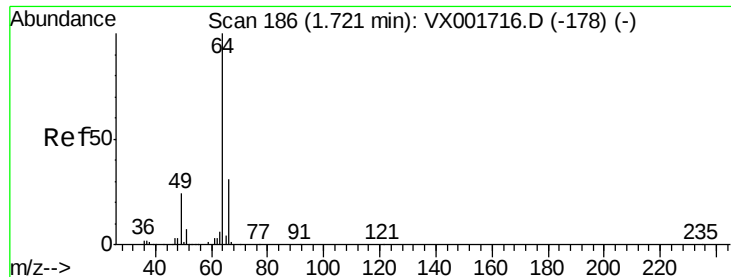
96 0.0 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 3.18 ug/l

RT: 1.66 min Scan# 176

Delta R.T. -0.06 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

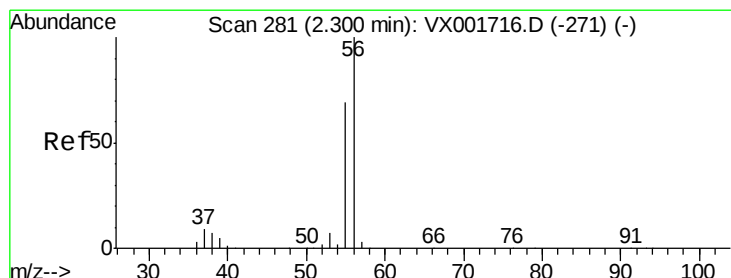
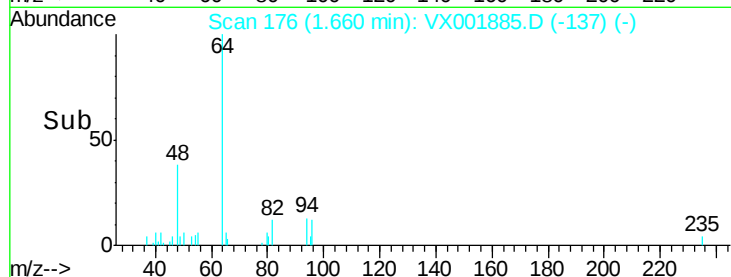
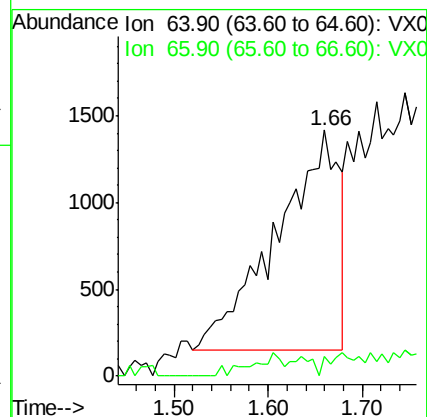
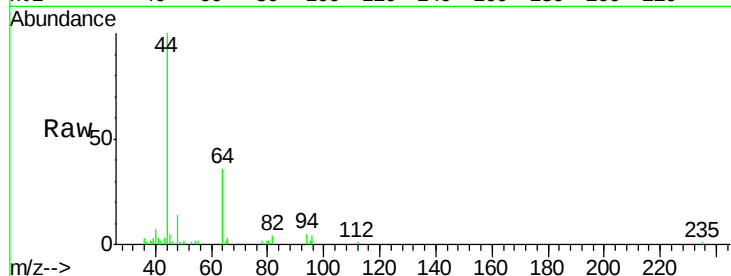
ST008MW172-180515

Tgt Ion: 64 Resp: 5842

Ion Ratio Lower Upper

64 100

66 9.0 25.2 37.8#



#13

Acrolein

Concen: 0.33 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001885.D

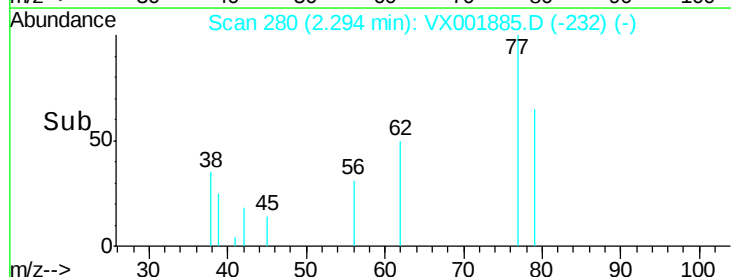
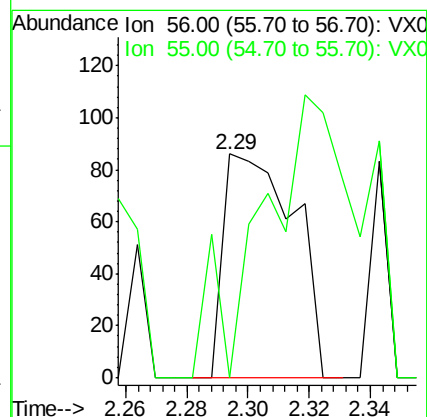
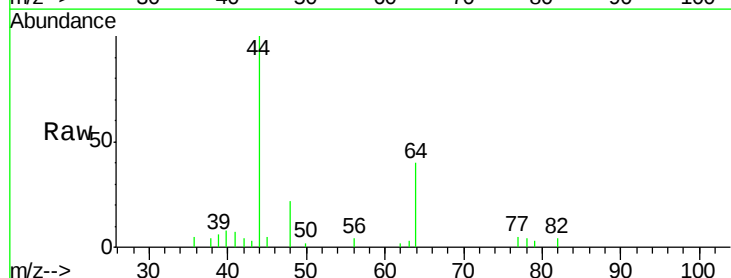
Acq: 21 May 2018 18:40

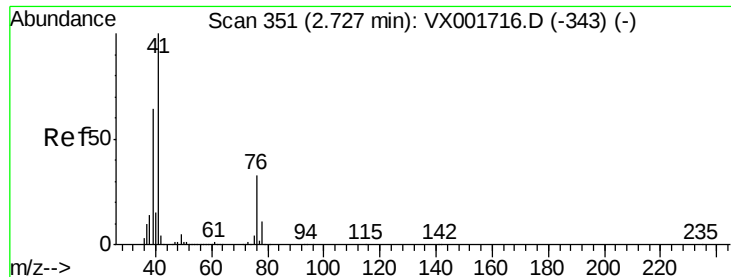
Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#

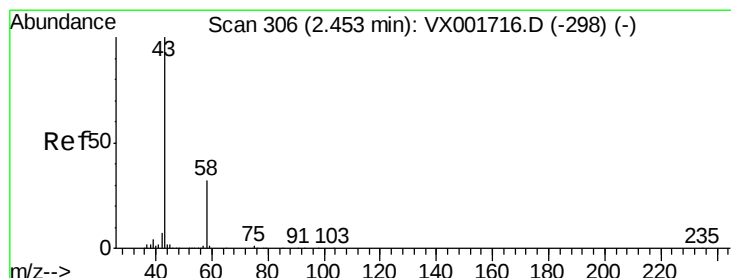
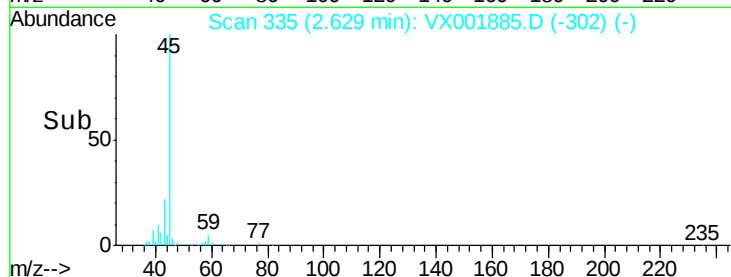
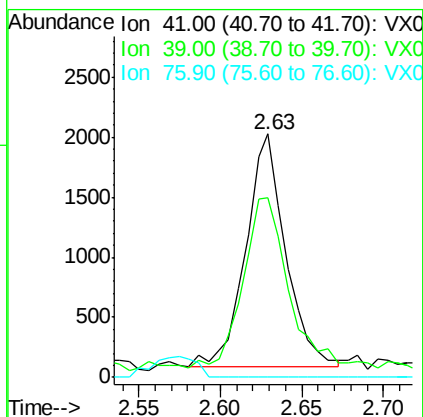
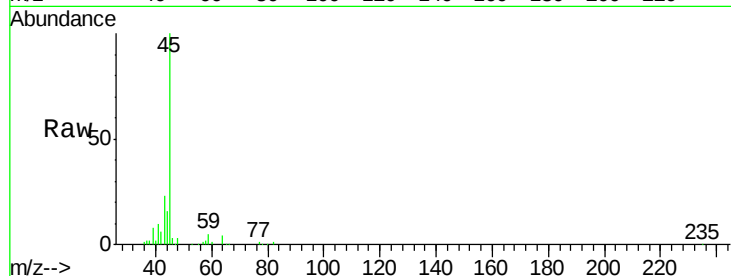




#14
 Allyl chloride
 Concen: 0.73 ug/l
 RT: 2.63 min Scan# 335
 Delta R.T. -0.10 min
 Lab File: VX001885.D
 Acq: 21 May 2018 18:40

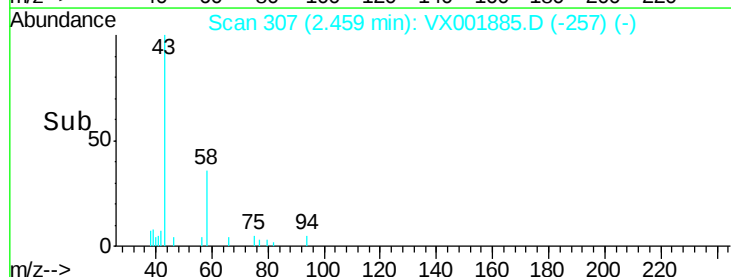
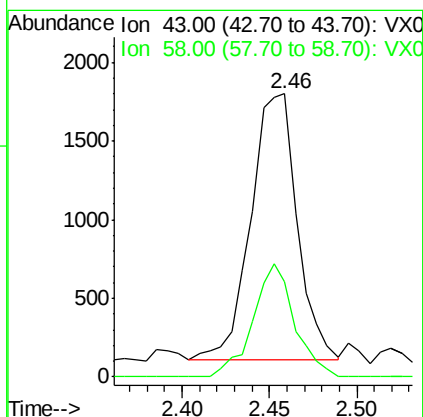
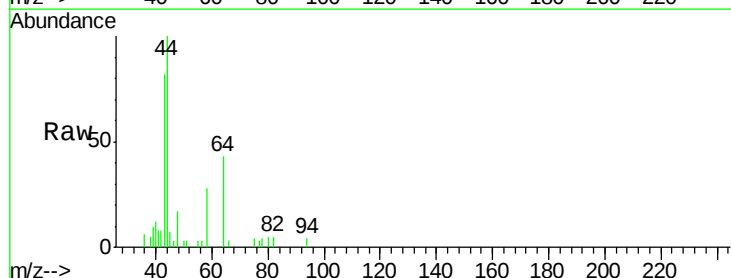
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW172-180515

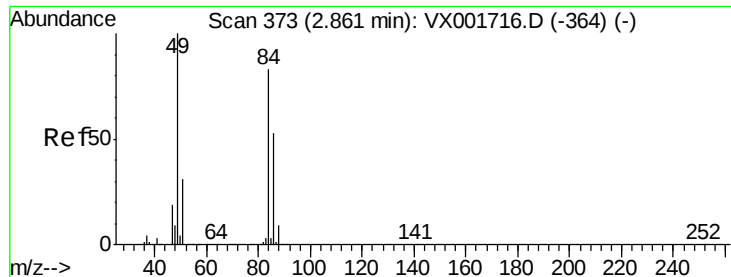
Tgt Ion: 41 Resp: 3297
 Ion Ratio Lower Upper
 41 100
 39 85.6 49.8 74.6#
 76 0.0 25.8 38.8#



#16
 Acetone
 Concen: 2.40 ug/l
 RT: 2.46 min Scan# 307
 Delta R.T. 0.01 min
 Lab File: VX001885.D
 Acq: 21 May 2018 18:40

Tgt Ion: 43 Resp: 3137
 Ion Ratio Lower Upper
 43 100
 58 35.8 25.3 37.9





#20

Methylene Chloride

Concen: 0.46 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

ST008MW172-180515

Tgt Ion: 84 Resp: 1277

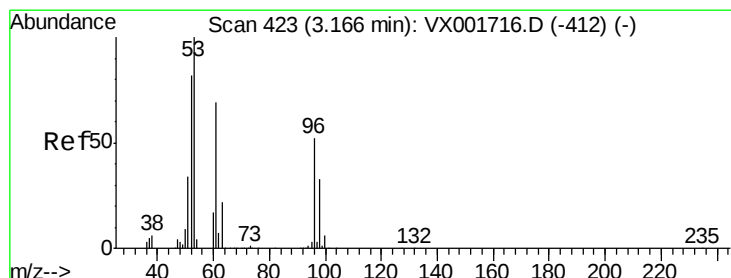
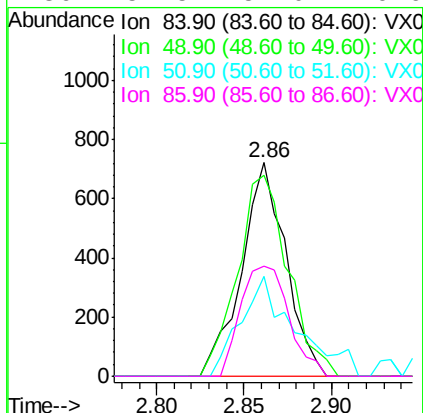
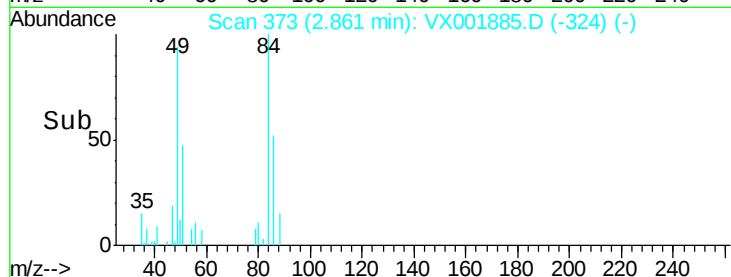
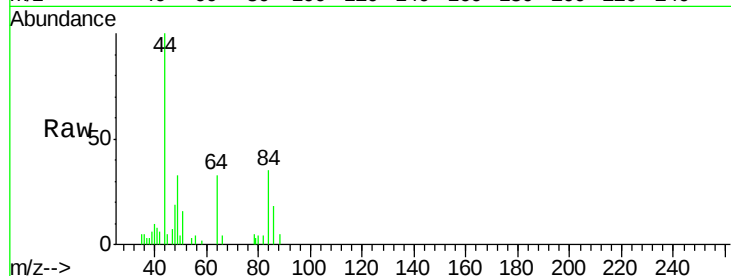
Ion Ratio Lower Upper

84 100

49 93.9 96.3 144.5#

51 46.8 29.8 44.6#

86 51.5 51.0 76.6



#21

trans-1,2-Dichloroethene

Concen: 0.28 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

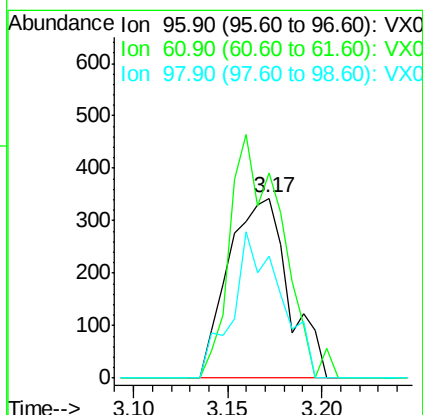
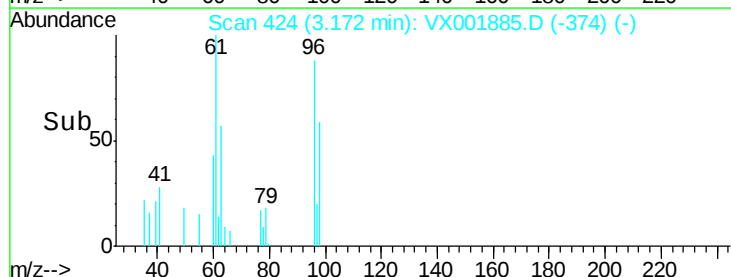
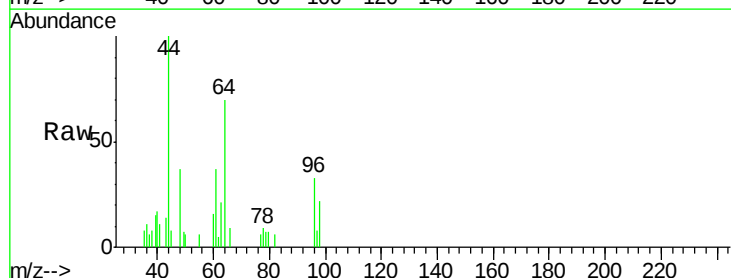
Tgt Ion: 96 Resp: 759

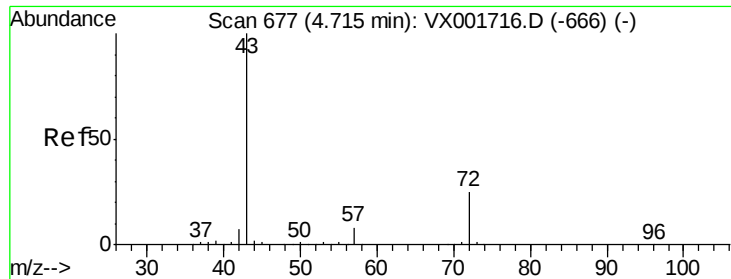
Ion Ratio Lower Upper

96 100

61 114.3 105.8 158.8

98 67.9 50.2 75.4





#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

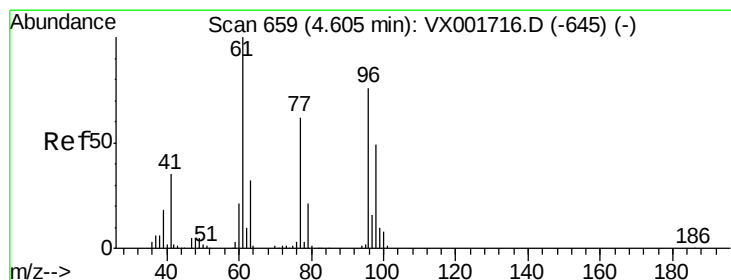
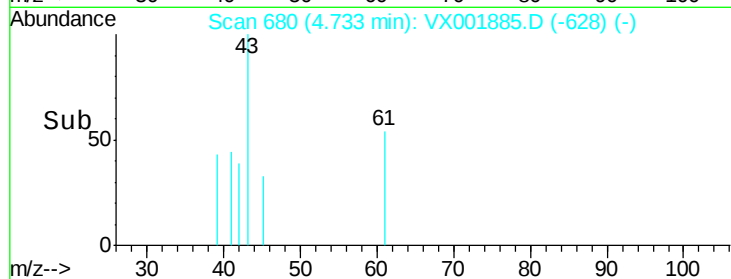
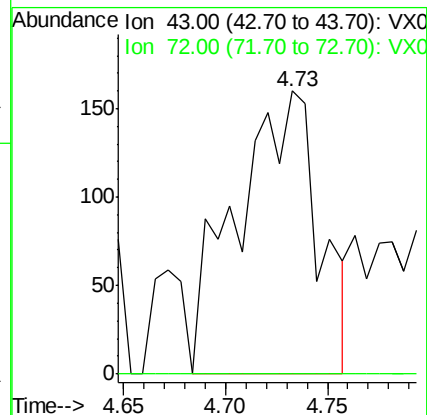
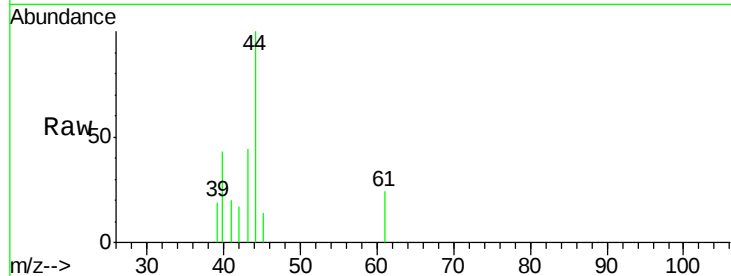
ST008MW172-180515

Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#27

cis-1,2-Dichloroethene

Concen: 5.17 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

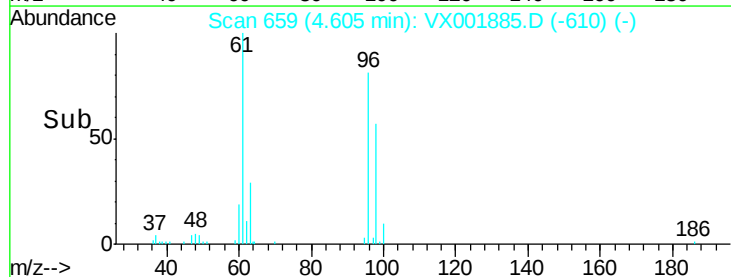
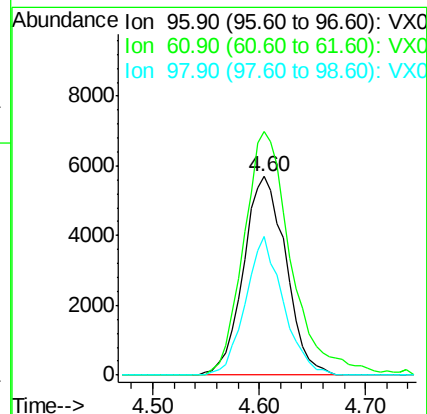
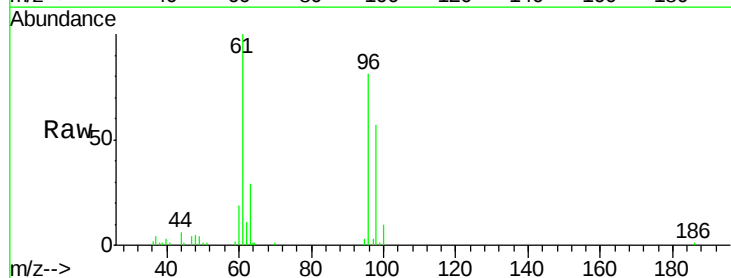
Tgt Ion: 96 Resp: 15929

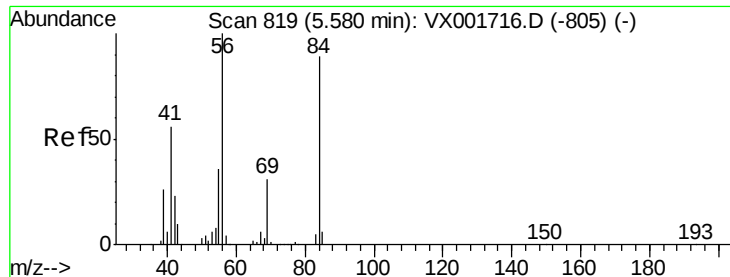
Ion Ratio Lower Upper

96 100

61 136.5 0.0 280.4

98 62.2 0.0 128.4

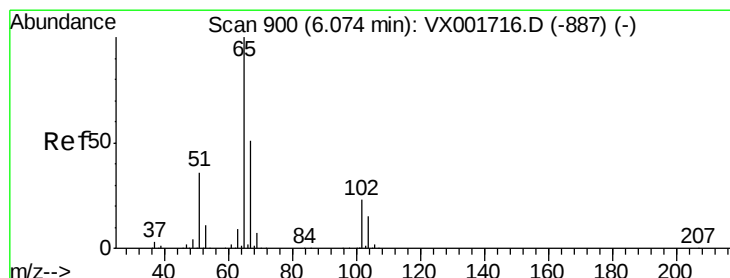
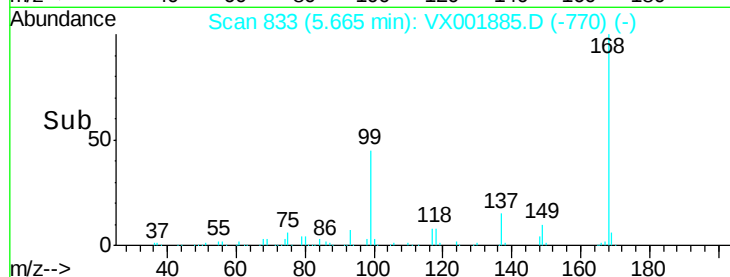
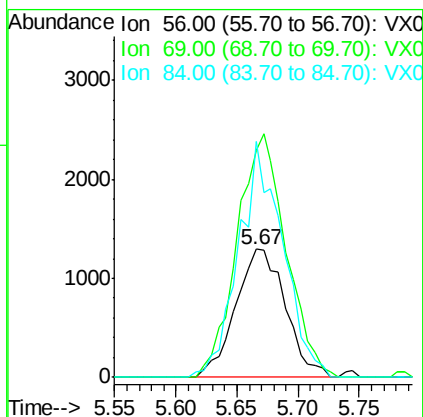
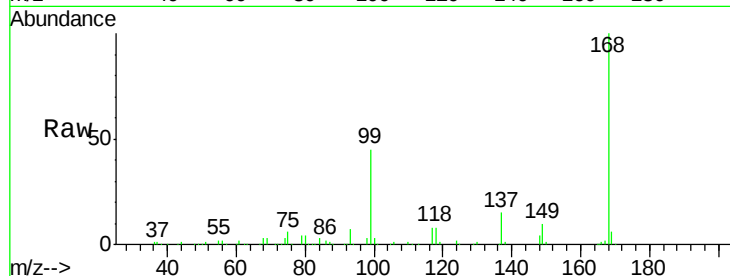




#31
Cyclohexane
Concen: 0.87 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001885.D
Acq: 21 May 2018 18:40

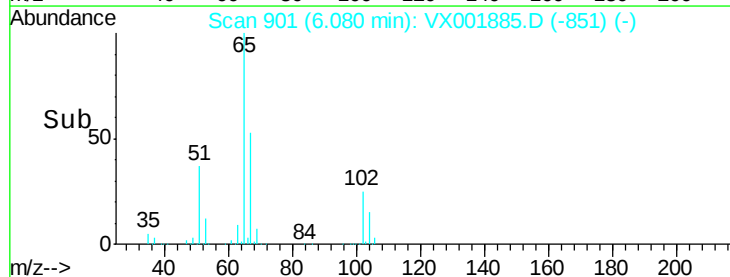
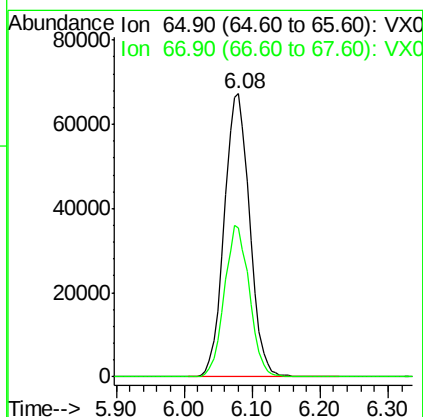
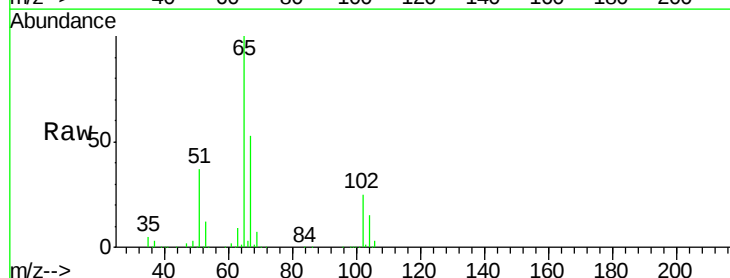
Instrument :
MSVOA_X
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ST008MW172-180515

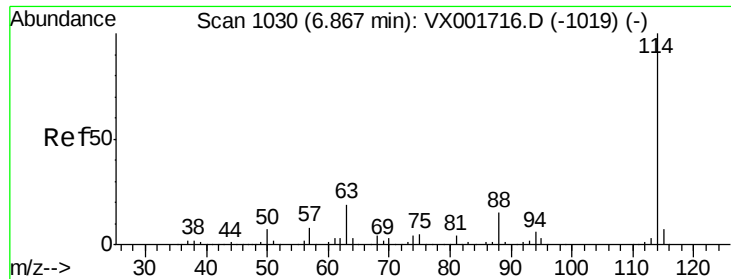
Tgt Ion: 56 Resp: 3653
Ion Ratio Lower Upper
56 100
69 177.9 25.0 37.6#
84 185.1 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 52.31 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001885.D
Acq: 21 May 2018 18:40

Tgt Ion: 65 Resp: 174218
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.8

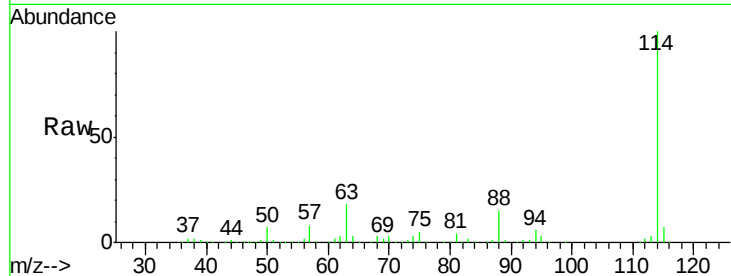




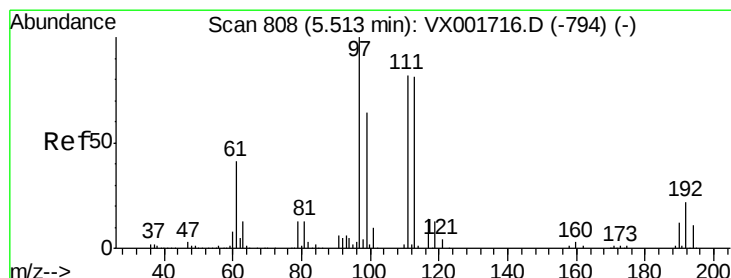
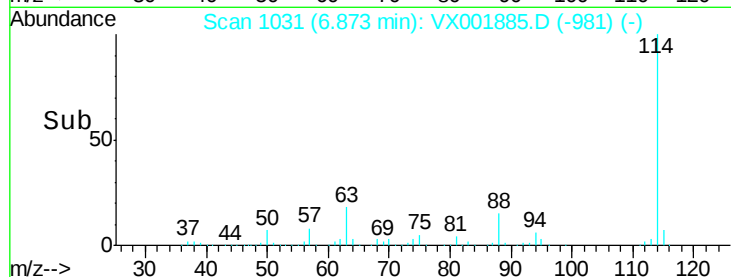
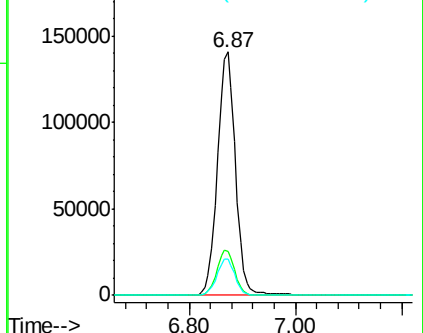
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001885.D
 Acq: 21 May 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW172-180515

Tgt Ion:114 Resp: 333773
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.0
 88 15.1 0.0 29.8

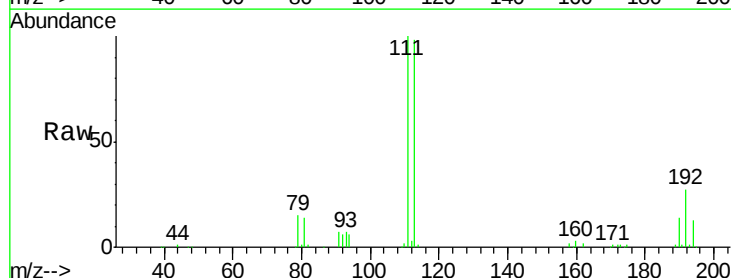


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

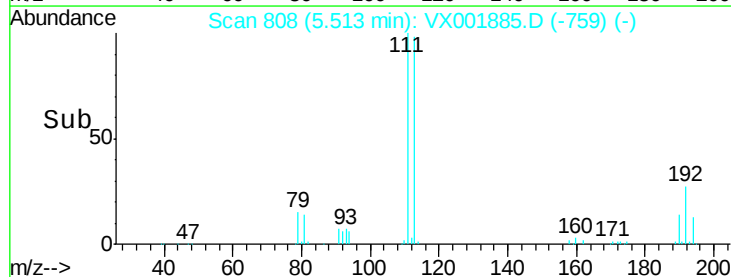
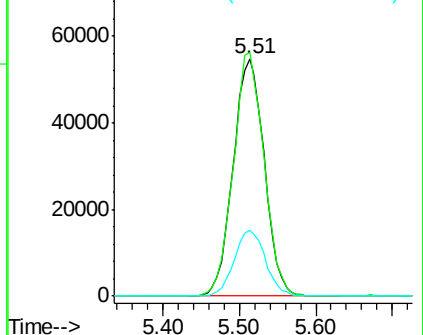


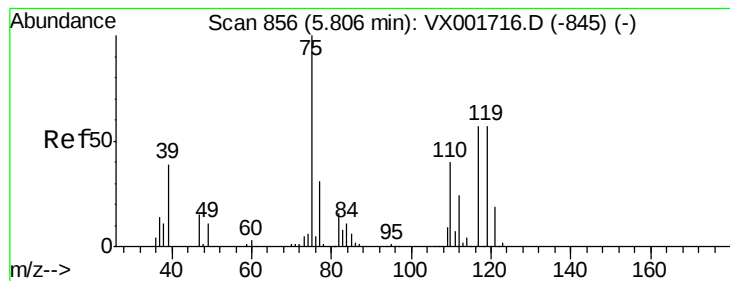
#35
 Dibromofluoromethane
 Concen: 54.92 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001885.D
 Acq: 21 May 2018 18:40

Tgt Ion:113 Resp: 154690
 Ion Ratio Lower Upper
 113 100
 111 101.0 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: 3.66 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

ST008MW172-180515

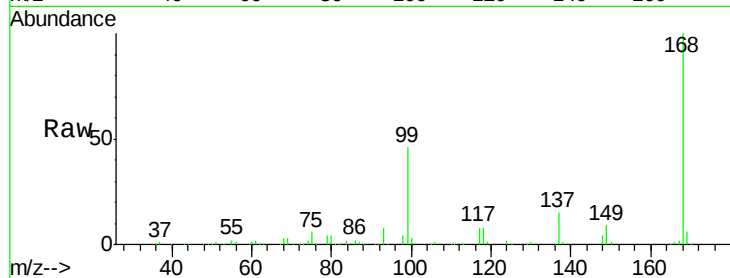
Tgt Ion: 75 Resp: 14077

Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.1#

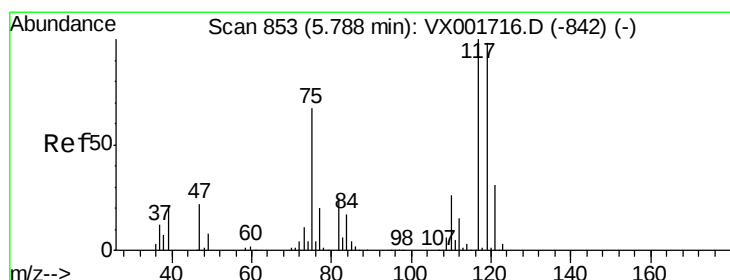
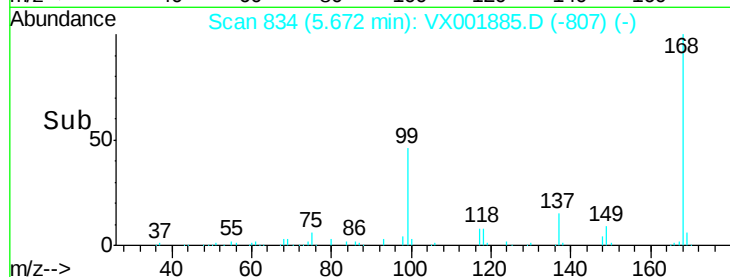
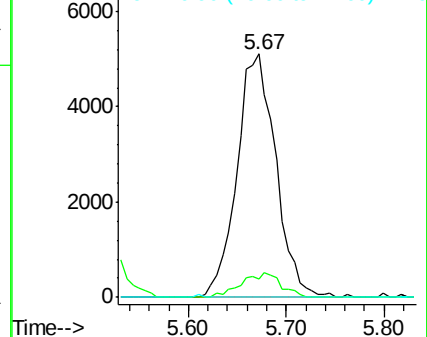
77 0.0 24.6 37.0#



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: 4.98 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

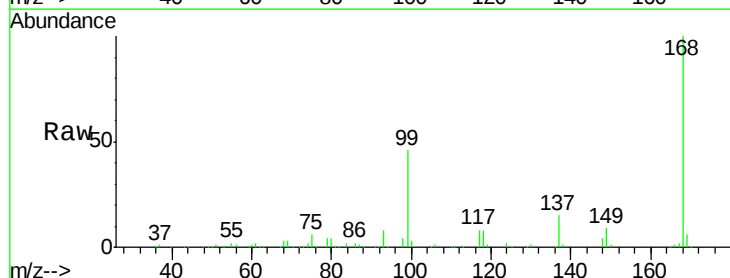
Tgt Ion: 117 Resp: 20060

Ion Ratio Lower Upper

117 100

119 6.4 77.6 116.4#

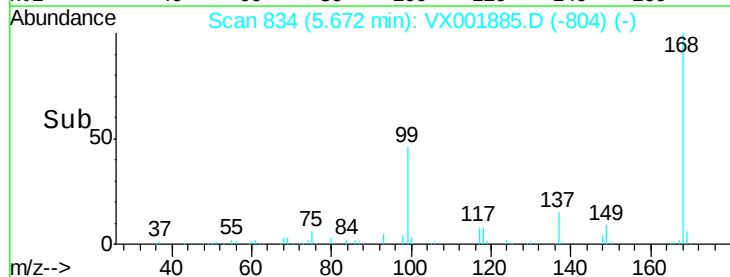
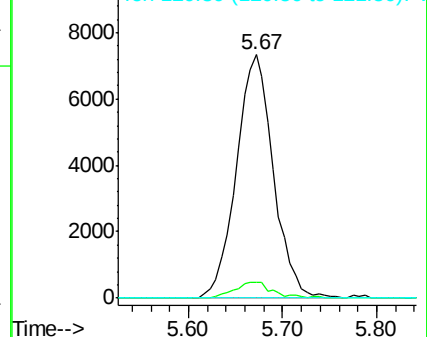
121 0.0 24.6 36.8#

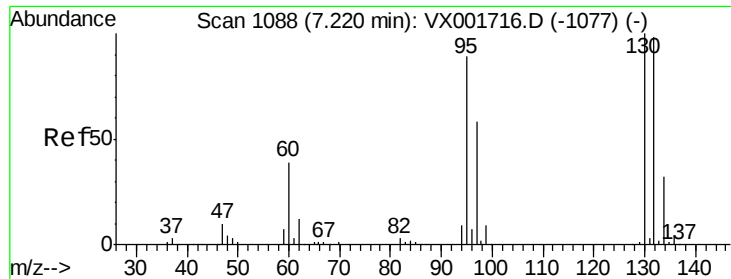


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 2.49 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001885.D

Acq: 21 May 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

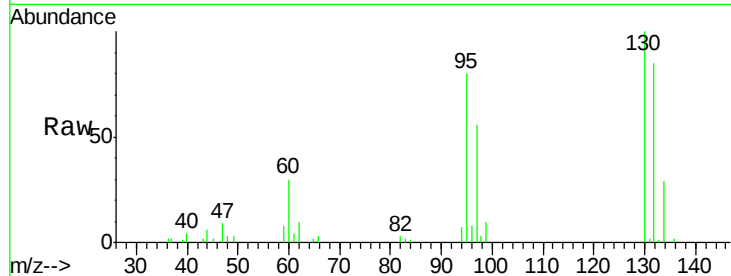
ST008MW172-180515

Tgt Ion:130 Resp: 8736

Ion Ratio Lower Upper

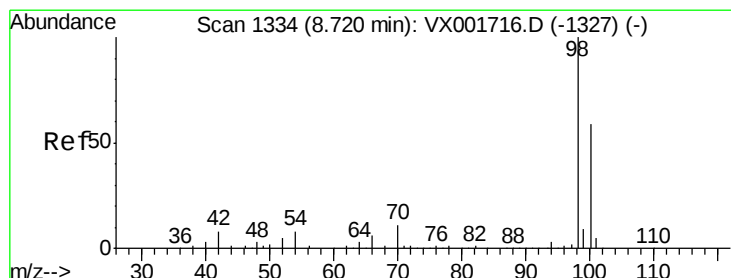
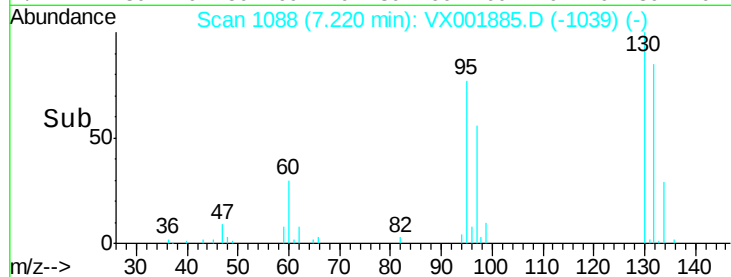
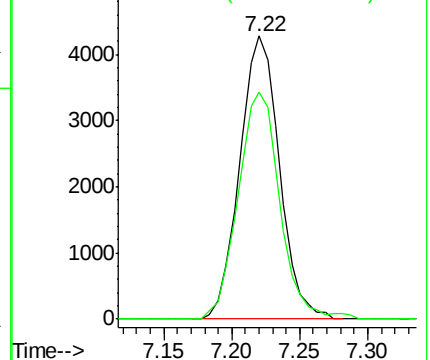
130 100

95 80.4 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: 44.52 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001885.D

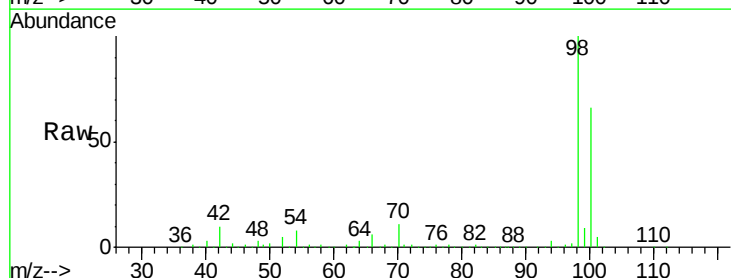
Acq: 21 May 2018 18:40

Tgt Ion: 98 Resp: 449071

Ion Ratio Lower Upper

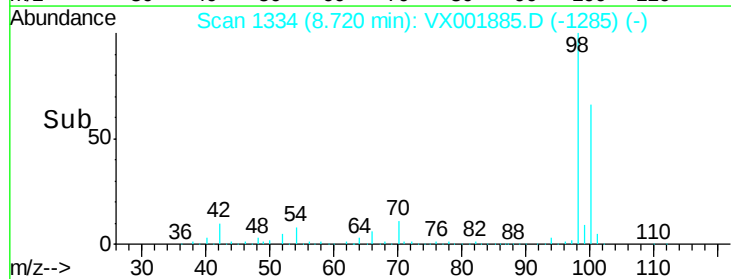
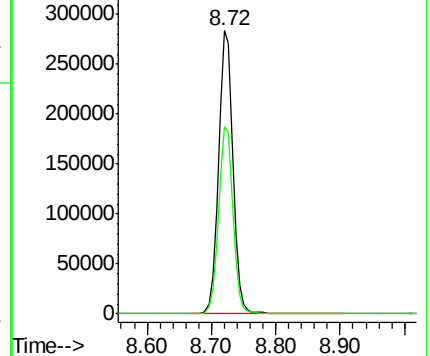
98 100

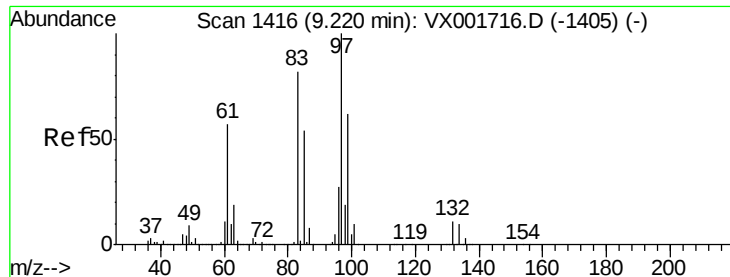
100 66.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

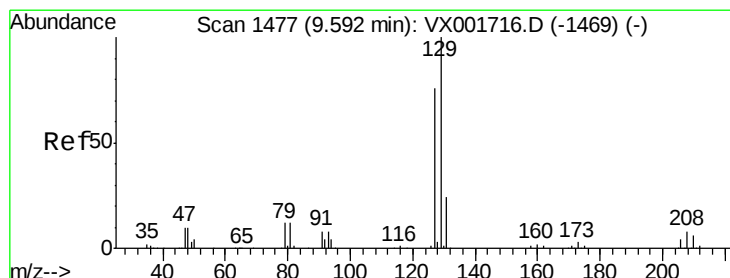
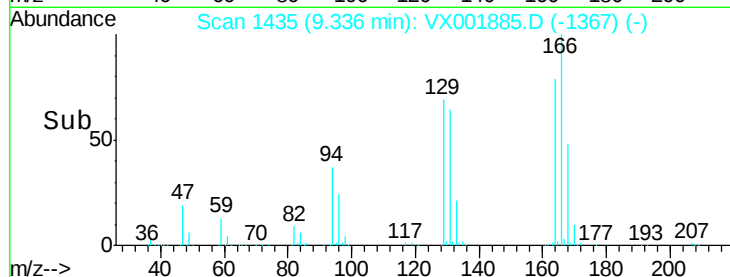
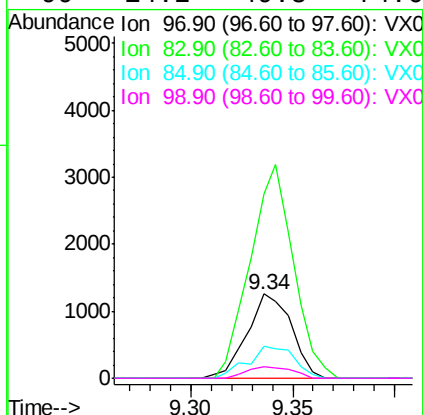
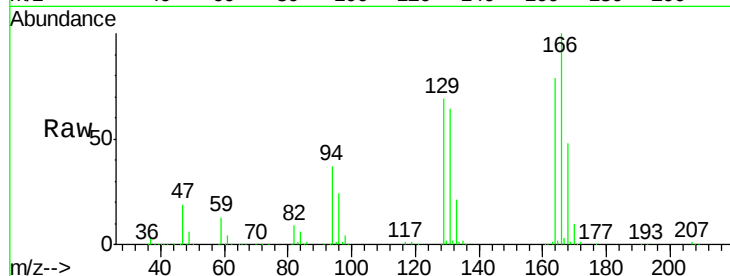




#55
 1,1,2-Trichloroethane
 Concen: 0.69 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. 0.12 min
 Lab File: VX001885.D
 Acq: 21 May 2018 18:40

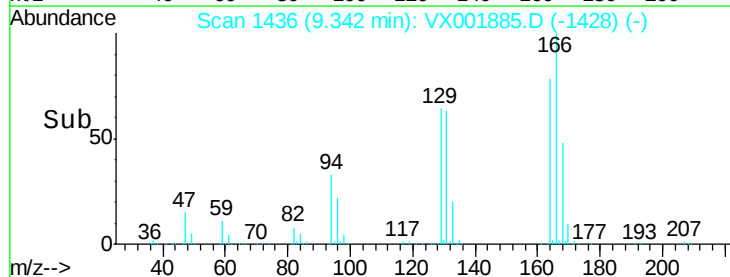
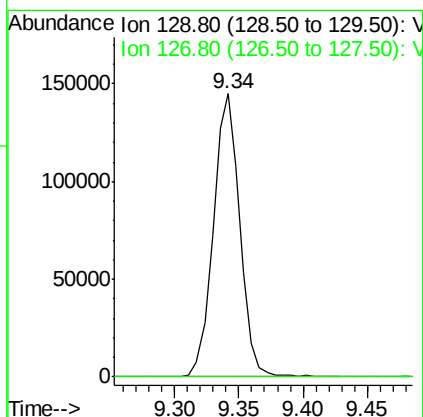
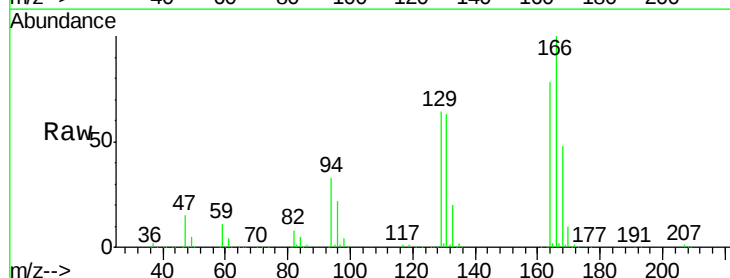
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW172-180515

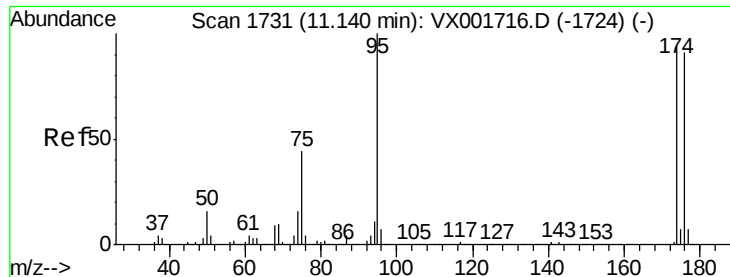
Tgt Ion: 97 Resp: 1906
 Ion Ratio Lower Upper
 97 100
 83 217.8 65.8 98.8#
 85 37.5 43.4 65.0#
 99 14.2 49.8 74.6#



#60
 Dibromochloromethane
 Concen: 72.87 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001885.D
 Acq: 21 May 2018 18:40

Tgt Ion: 129 Resp: 207476
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#

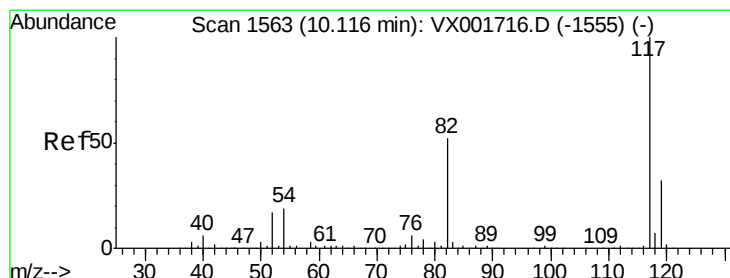
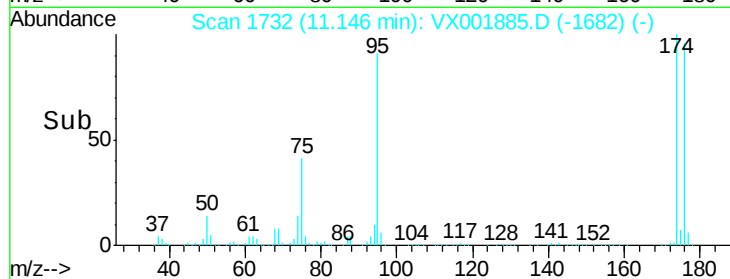
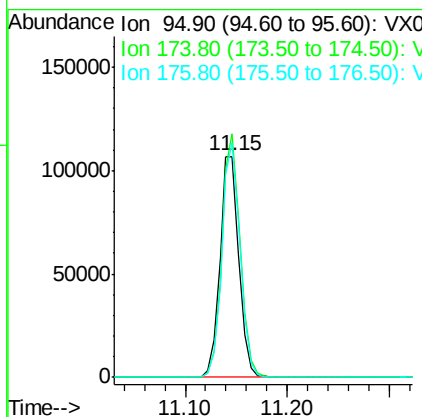
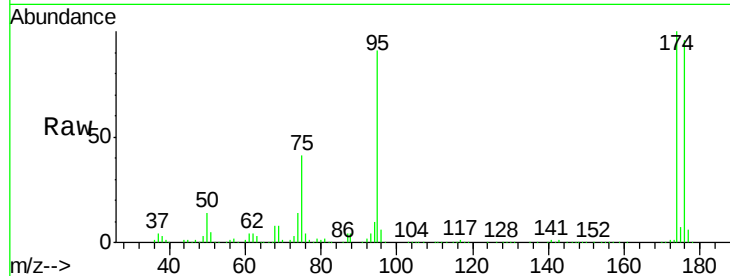




#62
4-Bromofluorobenzene
Concen: 38.33 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001885.D
Acq: 21 May 2018 18:40

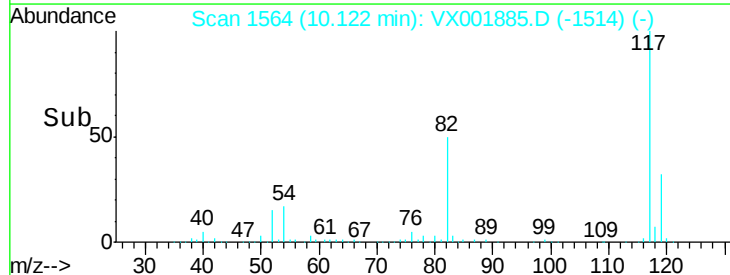
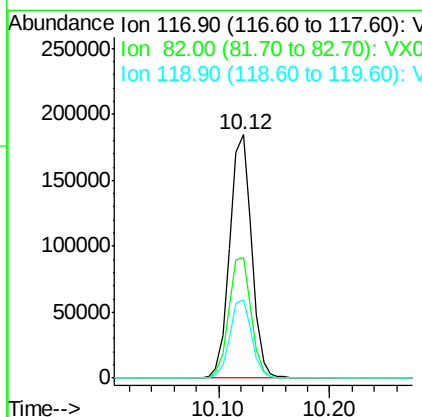
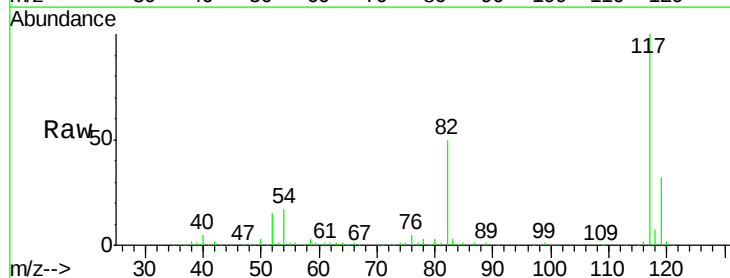
Instrument :
MSVOA_X
ClientSampleId :
ST008MW172-180515

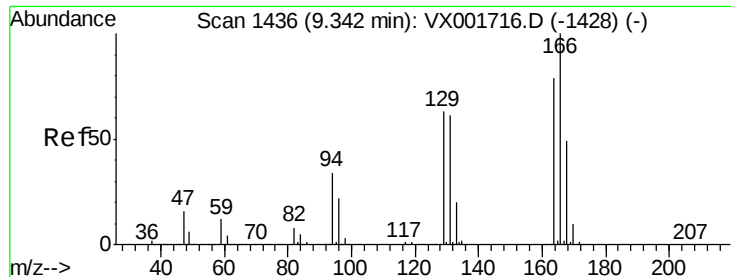
Tgt Ion: 95 Resp: 139240
Ion Ratio Lower Upper
95 100
174 105.7 0.0 201.8
176 101.3 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001885.D
Acq: 21 May 2018 18:40

Tgt Ion: 117 Resp: 250330
Ion Ratio Lower Upper
117 100
82 49.8 41.4 62.2
119 32.1 25.6 38.4

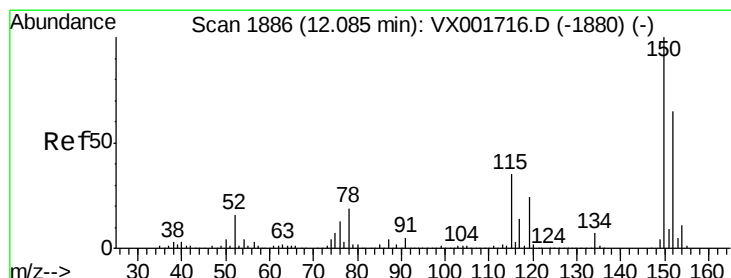
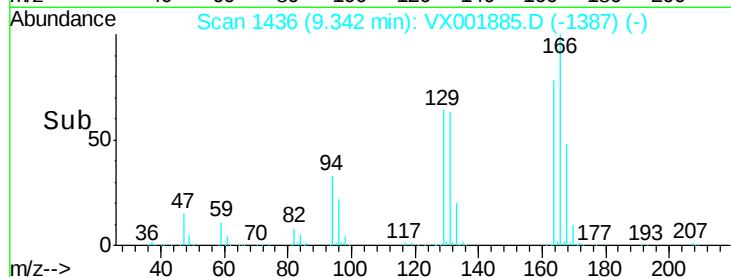
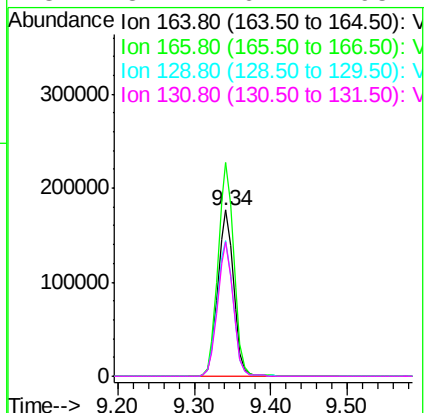
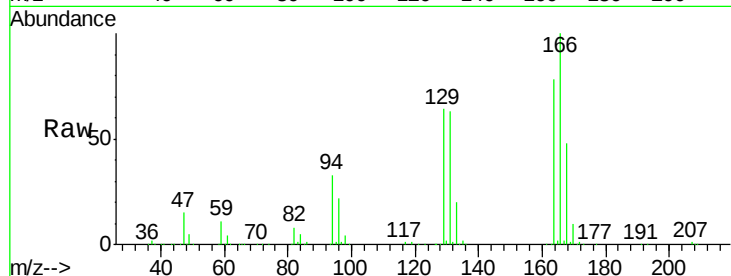




#64
Tetrachloroethene
Concen: 77.49 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001885.D
Acq: 21 May 2018 18:40

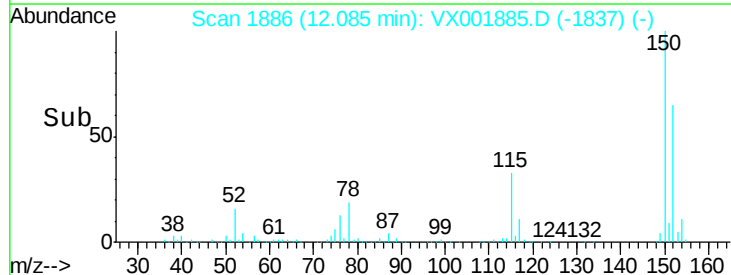
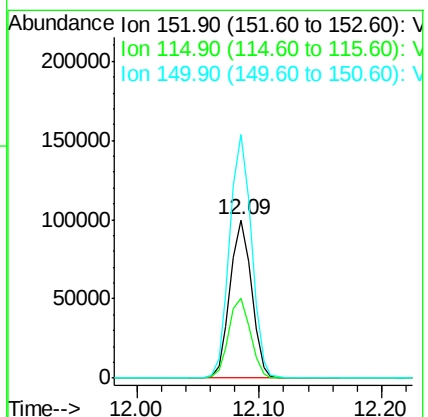
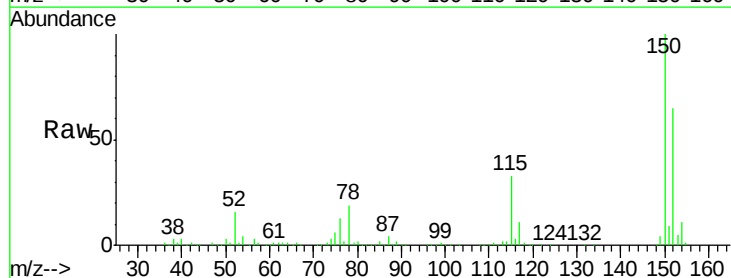
Instrument :
MSVOA_X
ClientSampleId :
ST008MW172-180515

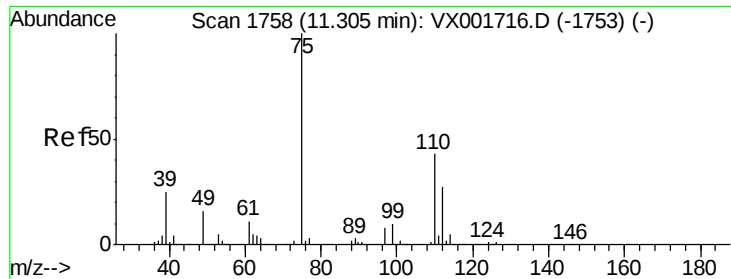
Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.8	152.8
129	82.1	63.8	95.6
131	81.2	62.2	93.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001885.D
Acq: 21 May 2018 18:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.4	37.4	112.2
150	155.9	0.0	344.8

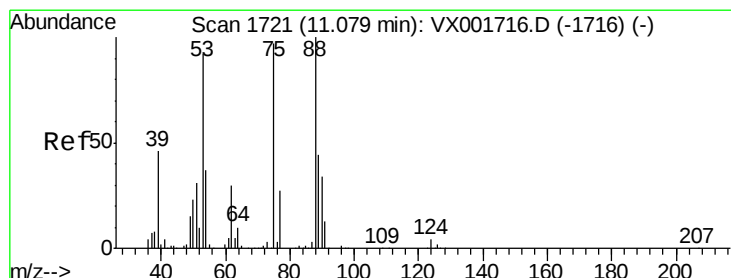
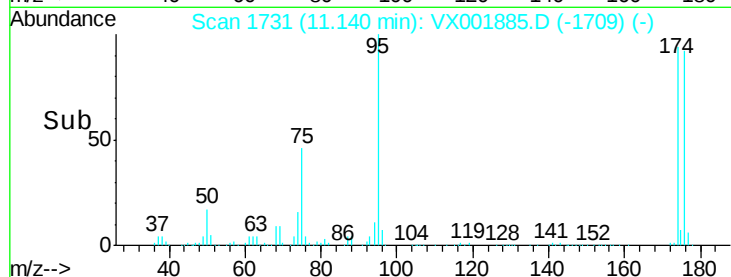
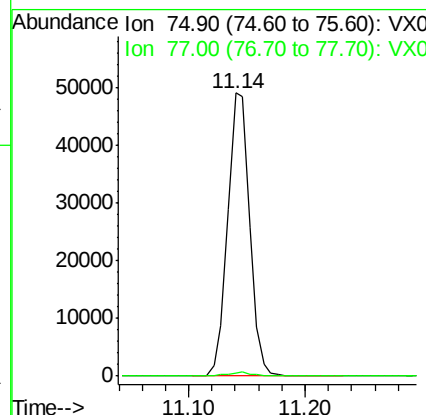
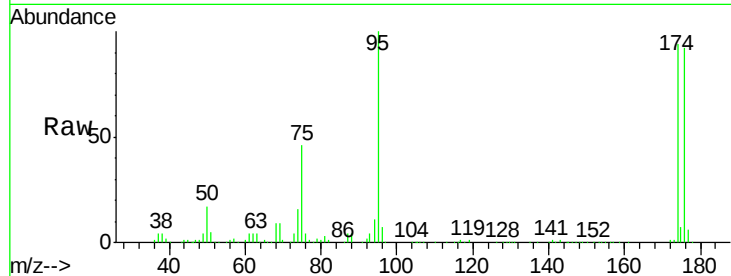




#76
 1,2,3-Trichloropropane
 Concen: 27.84 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001885.D
 Acq: 21 May 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW172-180515

Tgt Ion: 75 Resp: 64175
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.79 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001885.D
 Acq: 21 May 2018 18:40

Tgt Ion: 75 Resp: 64175
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.4 119.2#
 89 0.0 38.8 58.2#

