

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001825.D
 Acq On : 18 May 2018 14:54
 Operator : JC/MD
 Sample : J2853-12DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:22:55 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	261433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	343624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	254444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	146679	41.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.72%	
35) Dibromofluoromethane	5.51	113	130506	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
50) Toluene-d8	8.72	98	465243	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
62) 4-Bromofluorobenzene	11.14	95	117793	31.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.00%	

Target Compounds

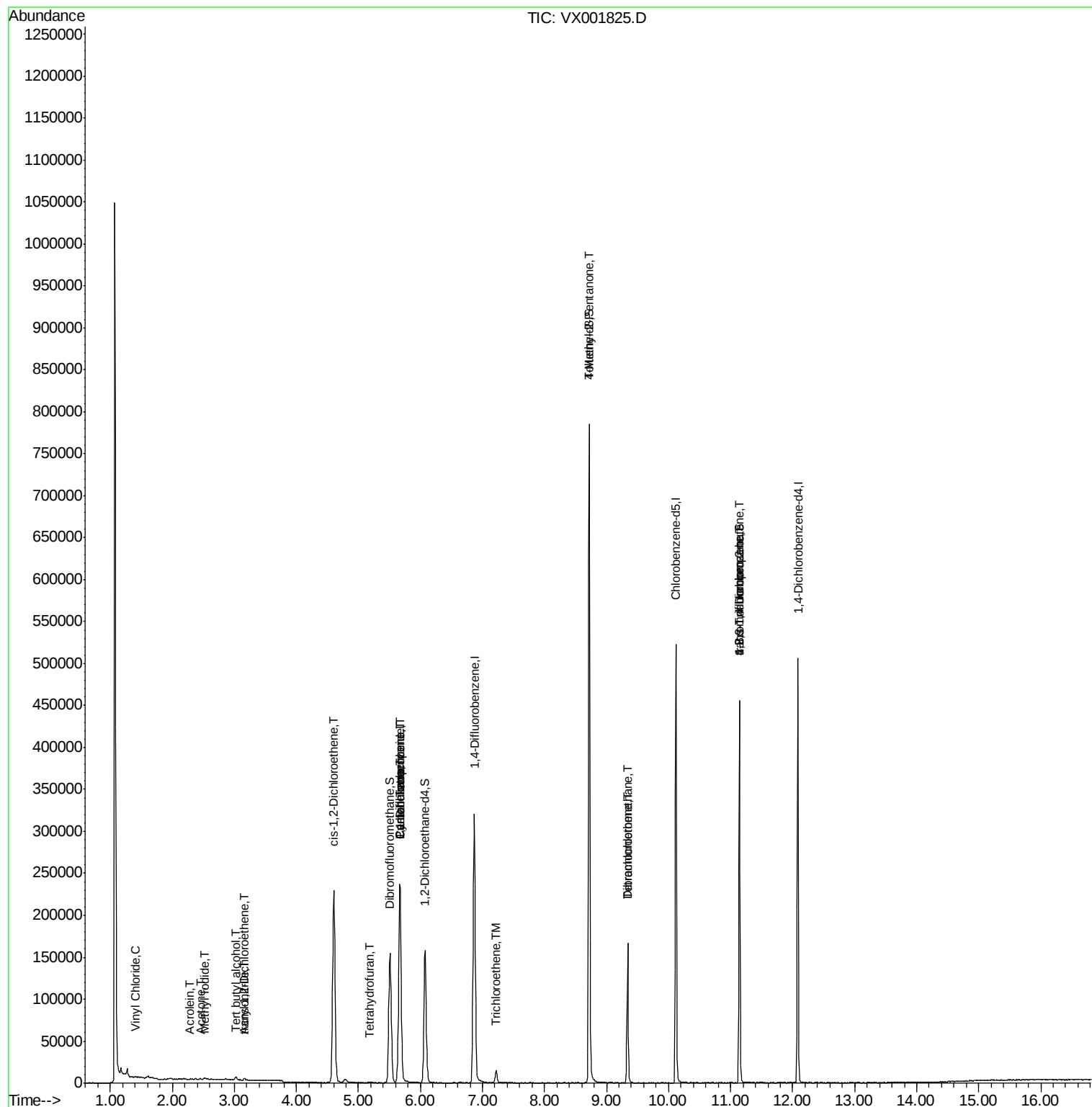
						Qvalue
4) Vinyl Chloride	1.40	62	790	0.26	ug/l #	81
5) Bromomethane	1.65	94	1037	Below	Cal #	78
10) Methyl Iodide	2.52	142	1977	0.80	ug/l	92
11) Tert butyl alcohol	3.03	59	2344	3.77	ug/l #	74
13) Acrolein	2.29	56	196	0.44	ug/l #	46
15) Acrylonitrile	3.15	53	388	0.25	ug/l #	71
16) Acetone	2.45	43	739	0.54	ug/l #	83
21) trans-1,2-Dichloroethene	3.17	96	666	0.23	ug/l #	80
27) cis-1,2-Dichloroethene	4.60	96	155304	47.95	ug/l	90
29) Tetrahydrofuran	5.17	42	577	0.42	ug/l #	33
31) Cyclohexane	5.67	56	4055	0.92	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15128	3.82	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21569	5.21	ug/l #	16
44) Trichloroethene	7.22	130	6125	1.69	ug/l	98
51) 4-Methyl-2-Pentanone	8.72	43	1862	0.46	ug/l #	1
60) Dibromochloromethane	9.34	129	30052	10.25	ug/l #	11
64) Tetrachloroethene	9.34	164	37584	11.35	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	55087	25.85	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	55087	75.24	ug/l #	10

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

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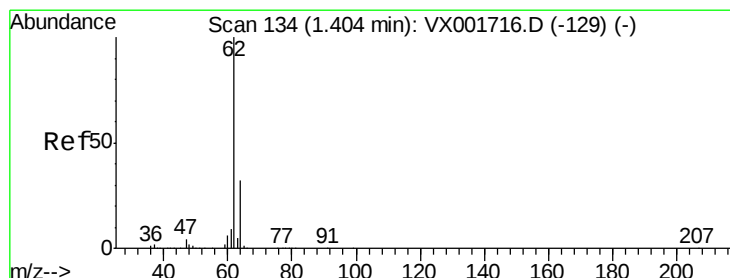
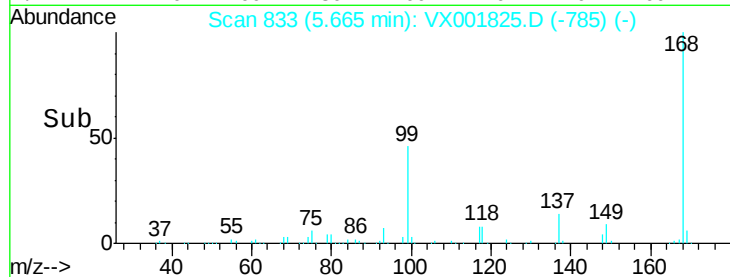
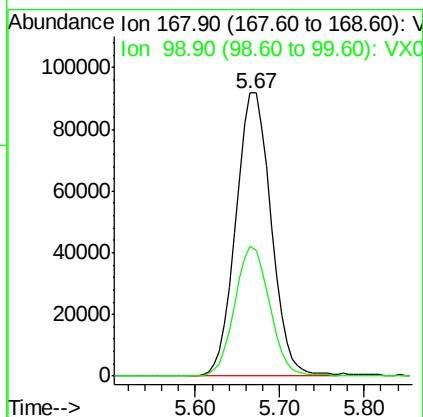
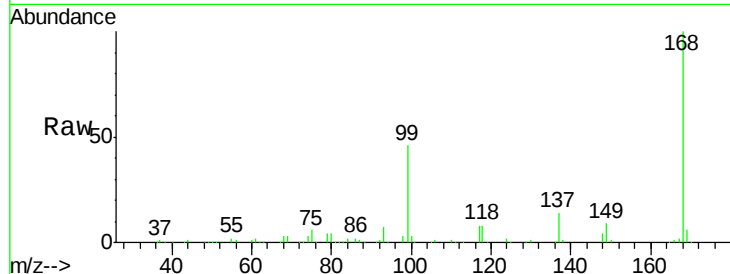




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.01 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

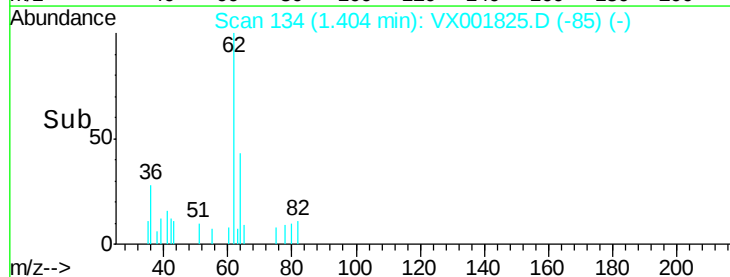
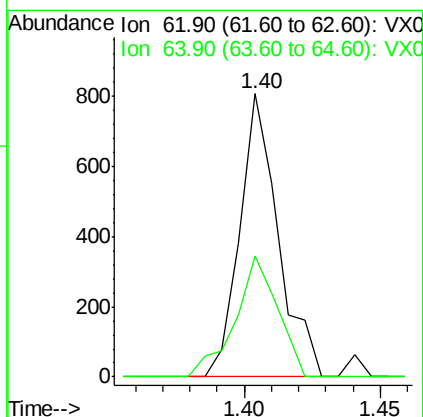
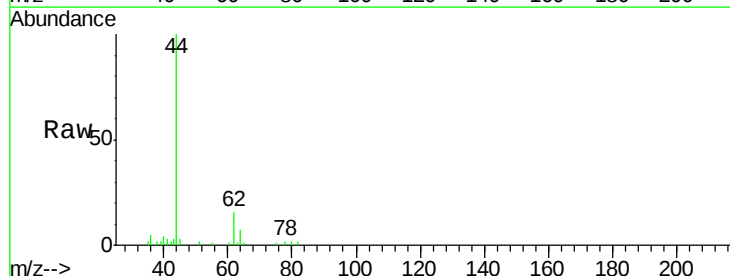
Instrument :
MSVOA_X
ClientSampled :

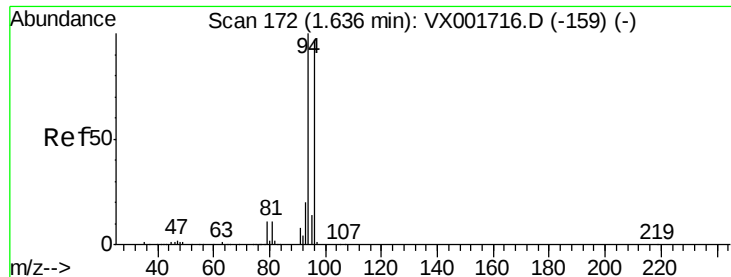
Tot Ion:168 Resp: 261433
Ion Ratio Lower Upper
168 100
99 45.9 35.0 52.4



#4
Vinyl Chloride
Concen: 0.26 ug/l
RT: 1.40 min Scan# 134
Delta R.T. -0.00 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

Tgt Ion: 62 Resp: 790
Ion Ratio Lower Upper
62 100
64 42.6 25.6 38.4#





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

Instrument :

MSVOA_X

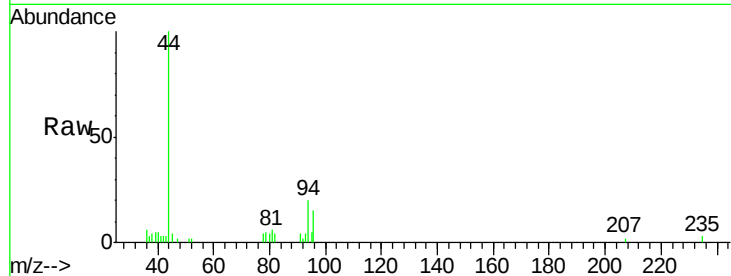
ClientSampleId :

Tot Ion: 94 Resp: 1037

Ion Ratio Lower Upper

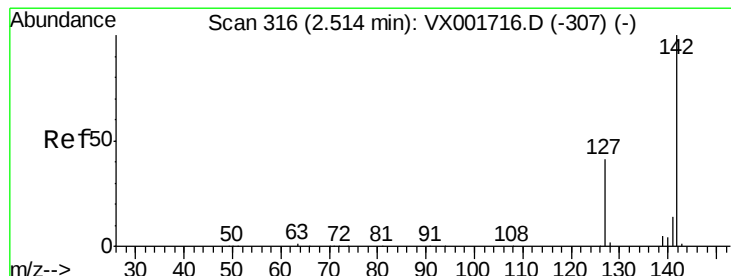
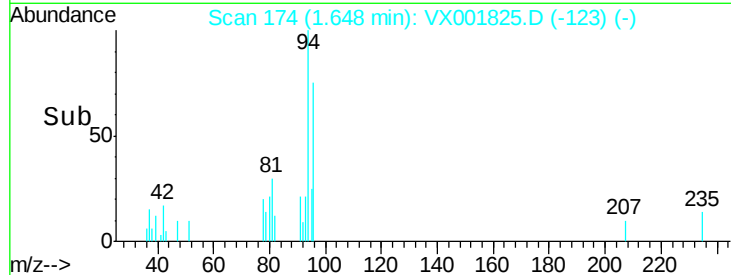
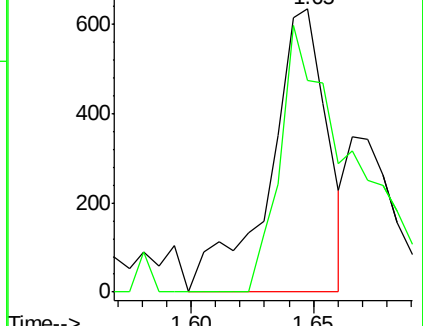
94 100

96 74.9 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.80 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

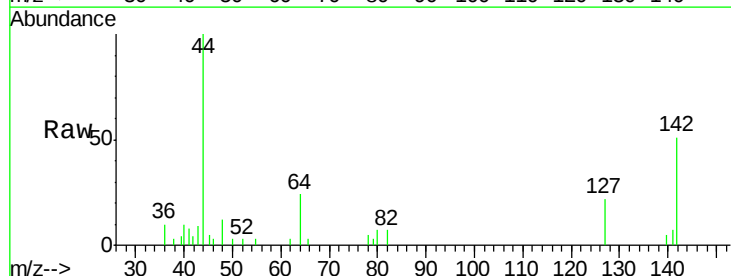
Tgt Ion: 142 Resp: 1977

Ion Ratio Lower Upper

142 100

127 46.2 32.5 48.7

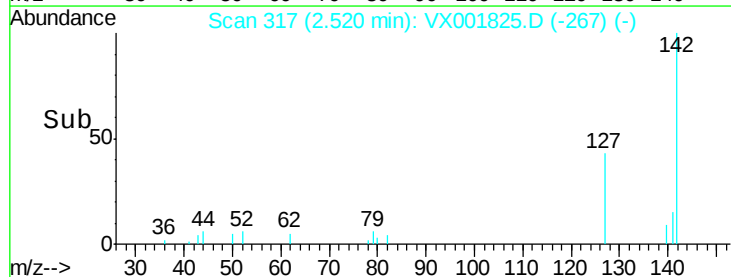
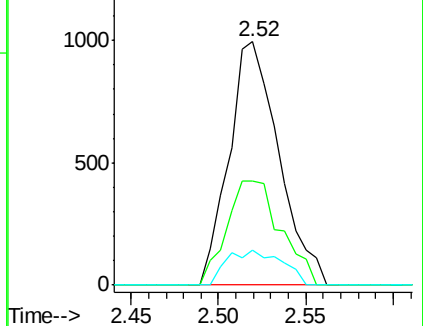
141 15.7 11.4 17.0

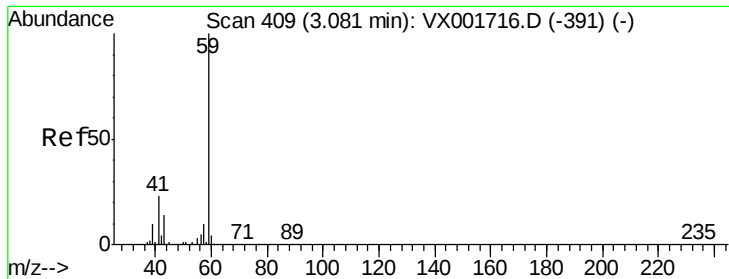


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

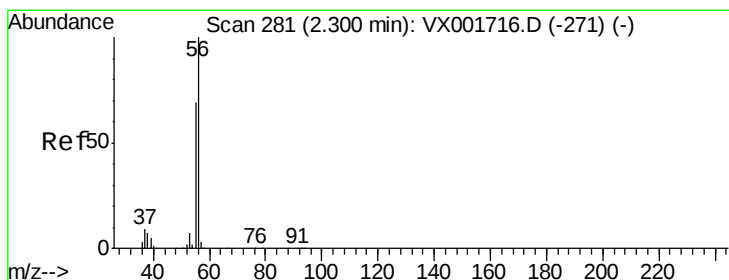
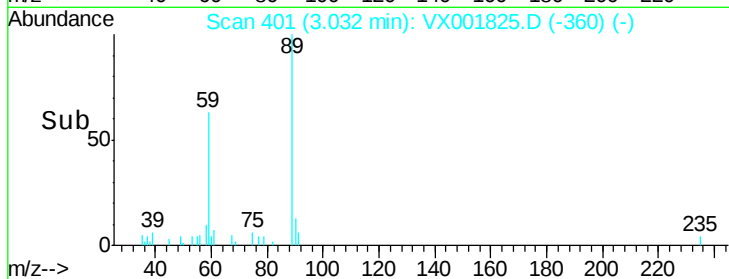
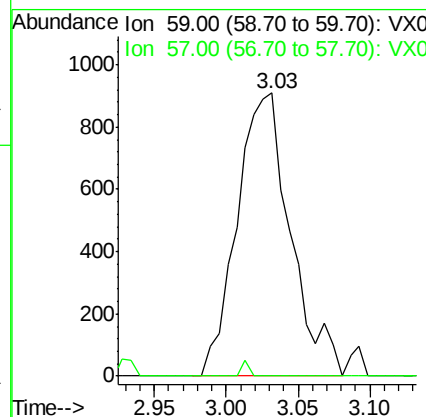
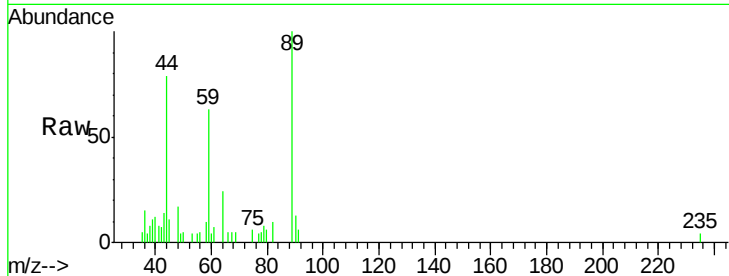




#11
Tert butyl alcohol
Concen: 3.77 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

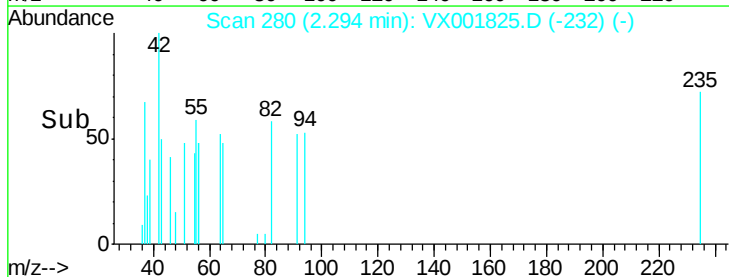
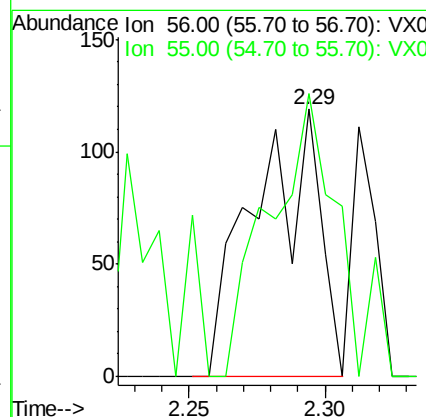
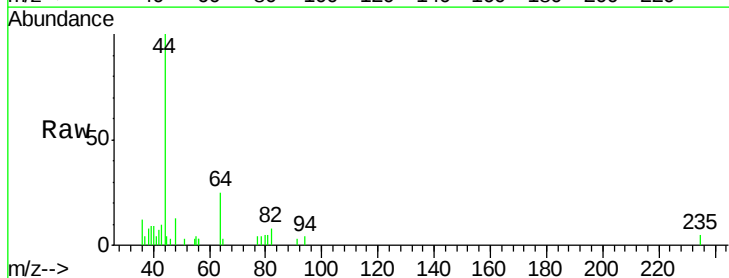
Instrument :
MSVOA_X
ClientSampleId :

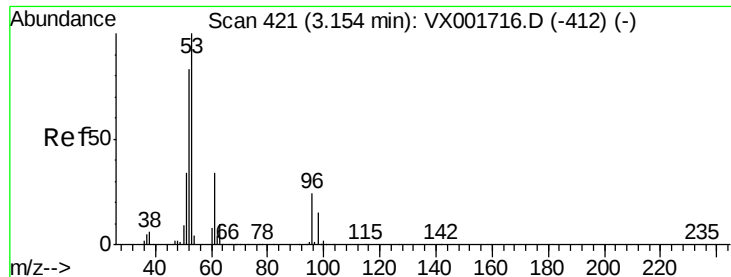
Tot Ion: 59 Resp: 2344
Ion Ratio Lower Upper
59 100
57 0.8 8.5 12.7#



#13
Acrolein
Concen: 0.44 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 114.3 56.2 84.2#





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

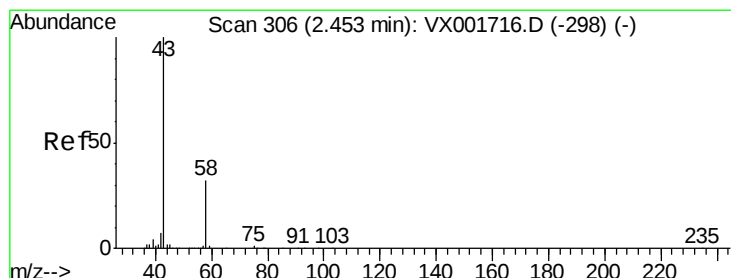
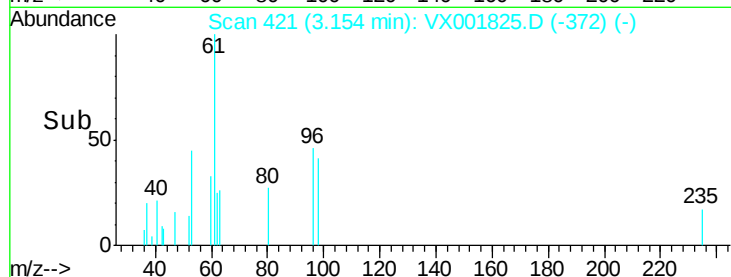
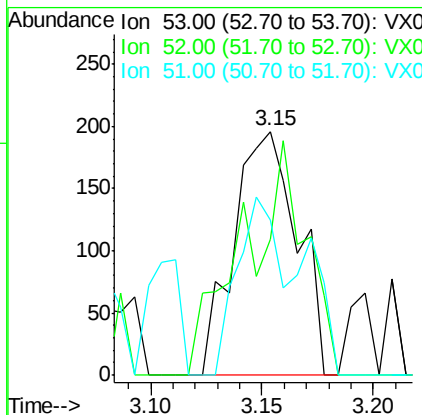
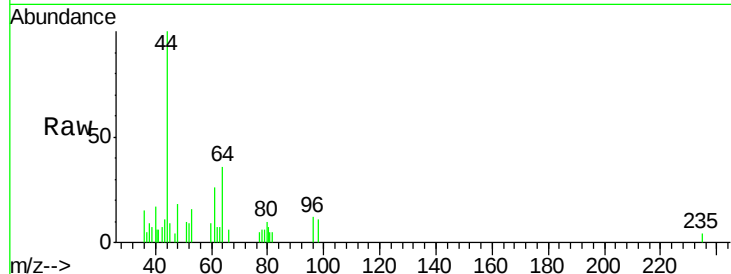
Lab File: VX001825.D

Acq: 18 May 2018 14:54

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 388

Ion	Ratio	Lower	Upper
53	100		
52	94.6	65.6	98.4
51	72.7	28.1	42.1#



#16

Acetone

Concen: 0.54 ug/l

RT: 2.45 min Scan# 306

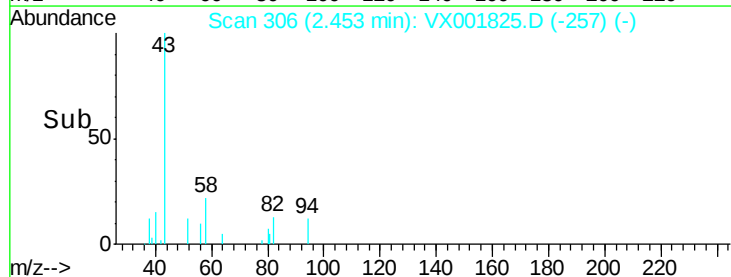
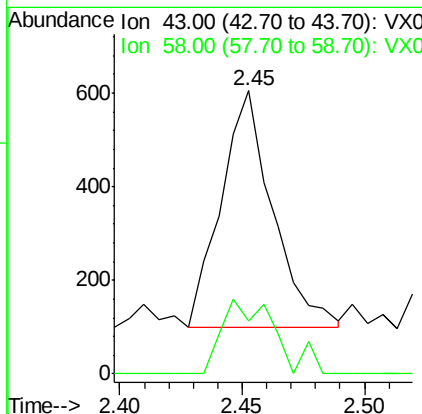
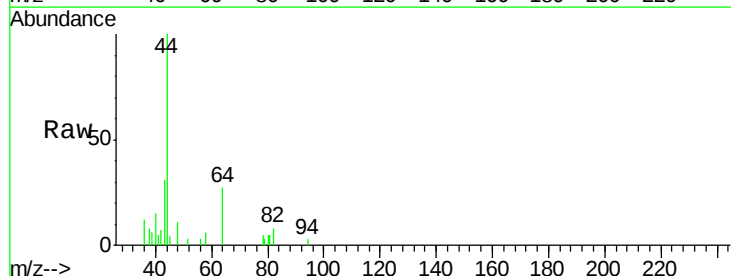
Delta R.T. -0.00 min

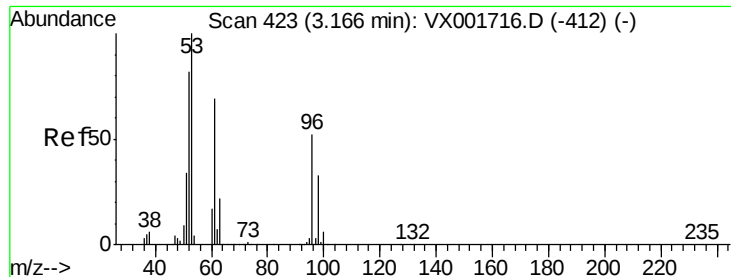
Lab File: VX001825.D

Acq: 18 May 2018 14:54

Tgt Ion: 43 Resp: 739

Ion	Ratio	Lower	Upper
43	100		
58	22.4	25.3	37.9#





#21

trans-1,2-Dichloroethene

Concen: 0.23 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

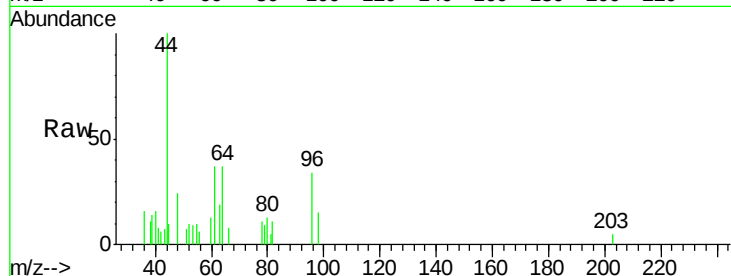
Tot Ion: 96 Resp: 666

Ion Ratio Lower Upper

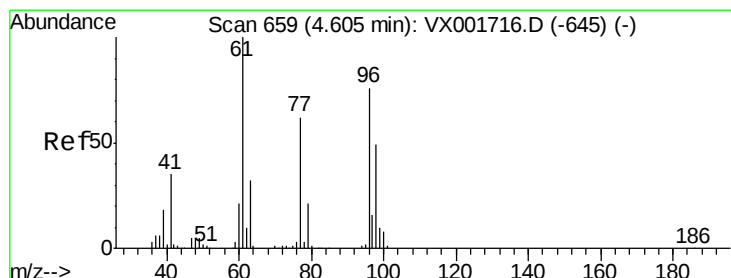
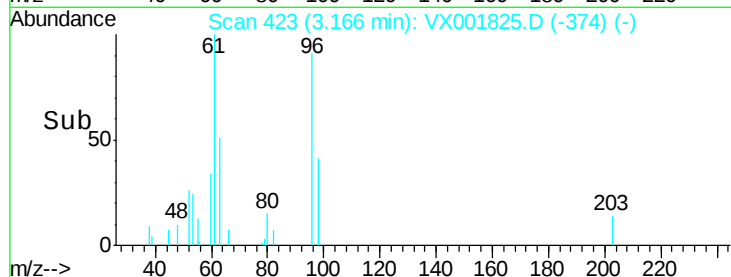
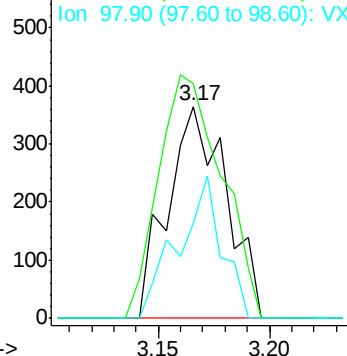
96 100

61 110.4 105.8 158.8

98 44.9 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: 47.95 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

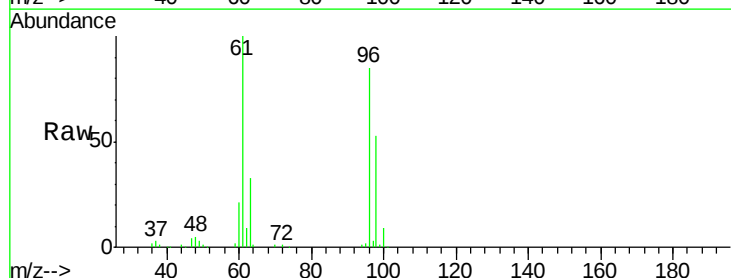
Tgt Ion: 96 Resp: 155304

Ion Ratio Lower Upper

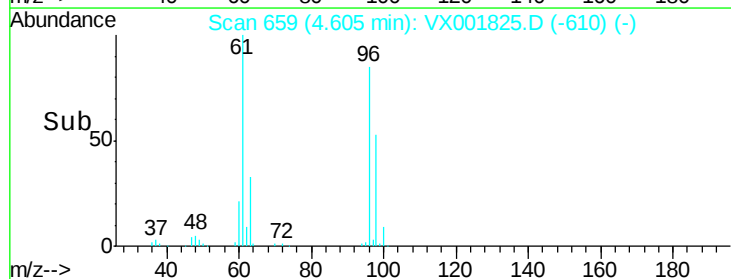
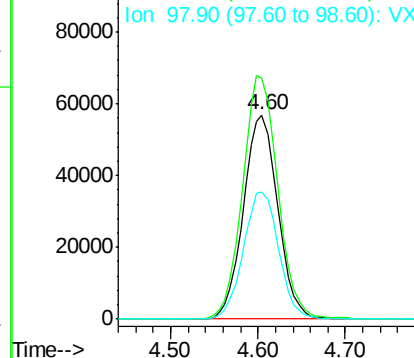
96 100

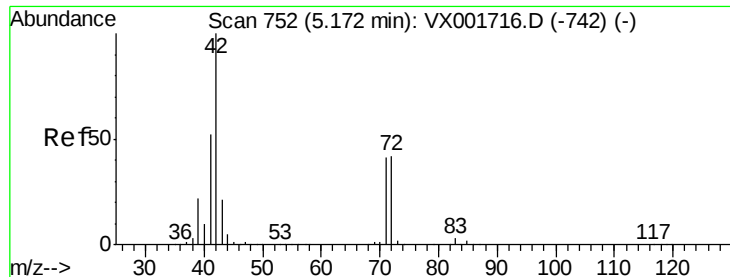
61 122.5 0.0 280.4

98 64.0 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

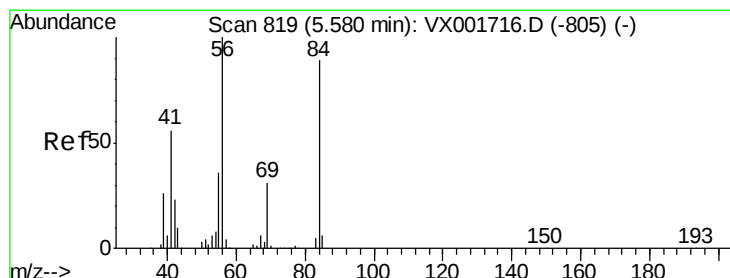
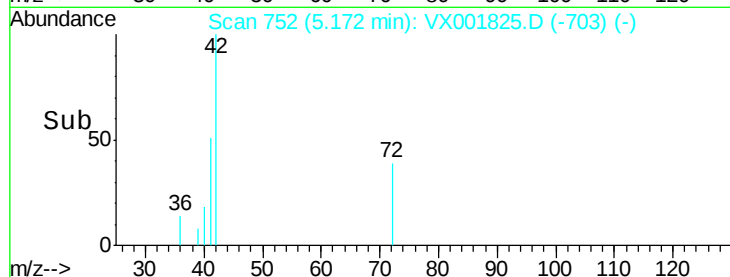
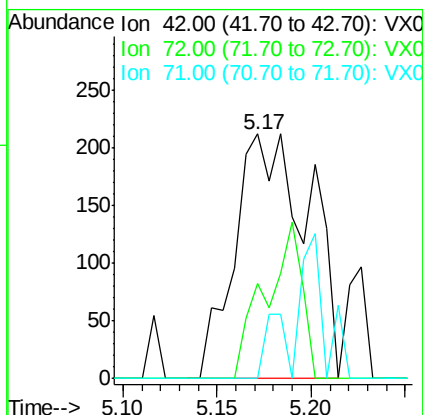
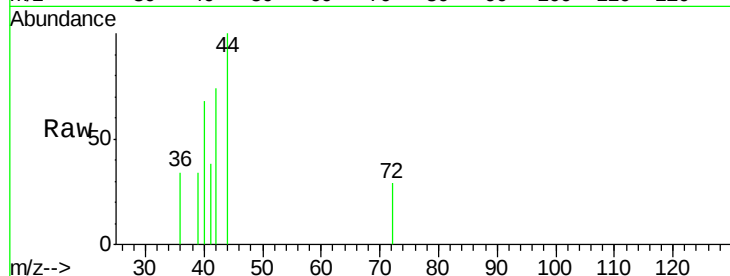




#29
Tetrahydrofuran
Concen: 0.42 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

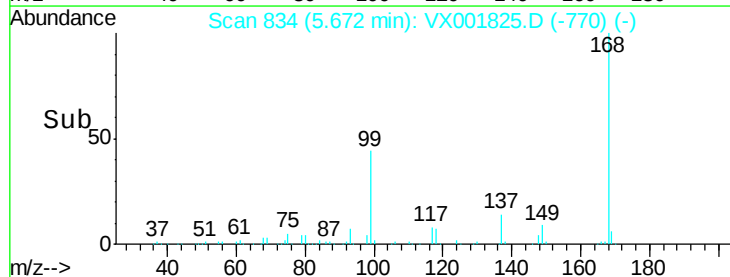
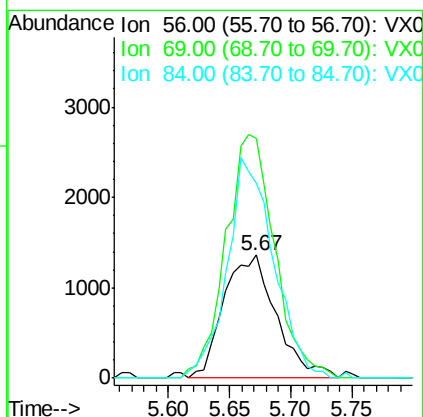
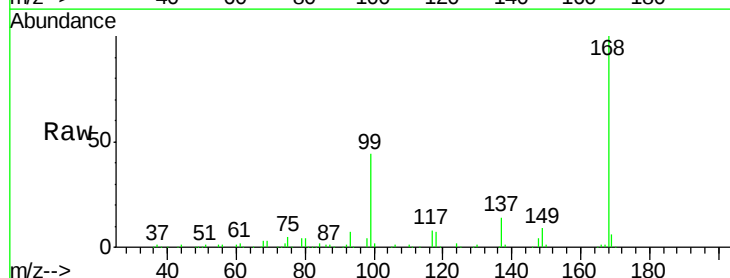
Instrument :
MSVOA_X
ClientSampled :

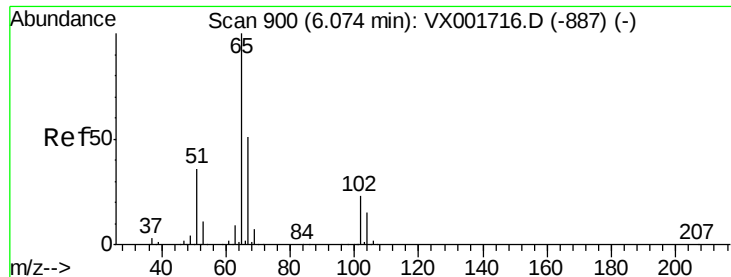
Tot Ion: 42 Resp: 577
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 0.0 33.2 49.8#



#31
Cyclohexane
Concen: 0.92 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

Tgt Ion: 56 Resp: 4055
Ion Ratio Lower Upper
56 100
69 195.2 25.0 37.6#
84 158.1 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 41.86 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

Instrument :

MSVOA_X

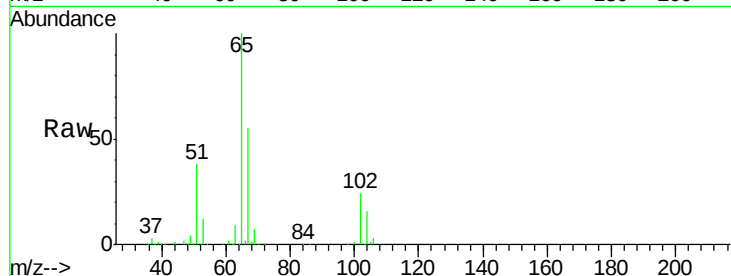
ClientSampleId :

Tot Ion: 65 Resp: 146679

Ion Ratio Lower Upper

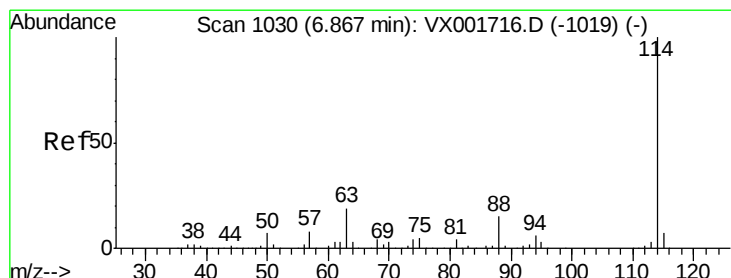
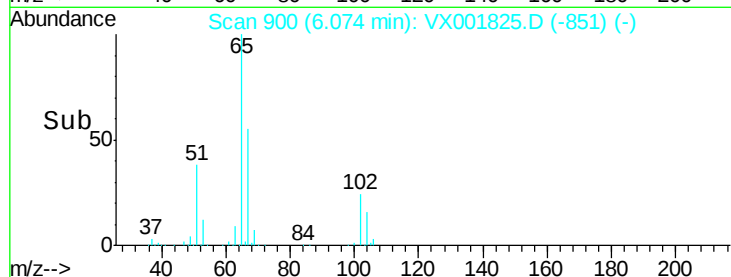
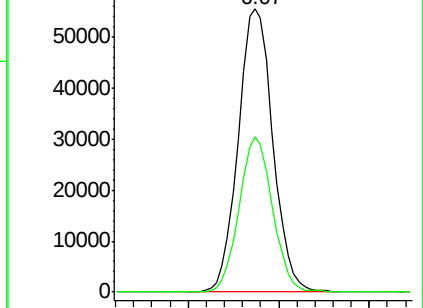
65 100

67 53.1 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: VX001825.D

Acq: 18 May 2018 14:54

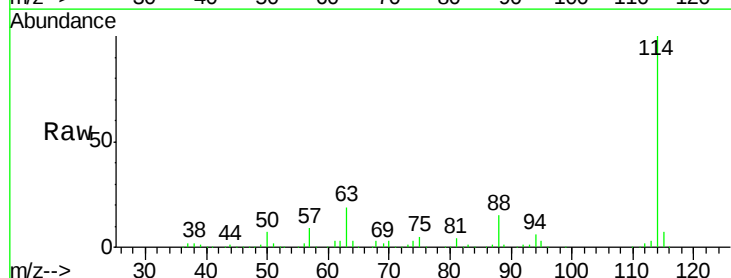
Tgt Ion: 114 Resp: 343624

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.0

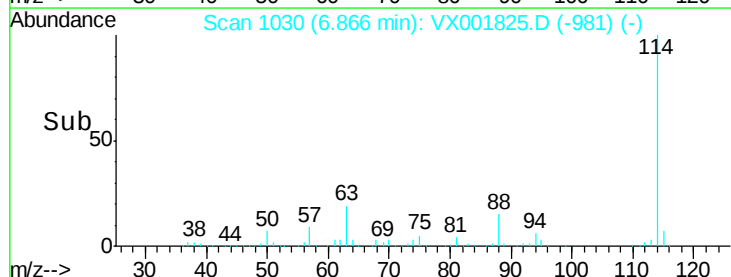
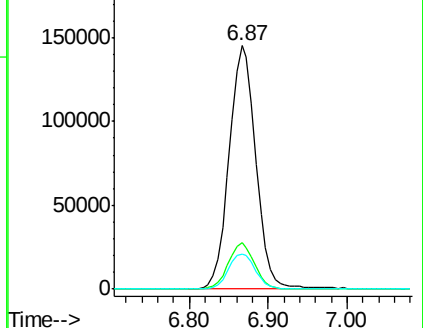
88 14.6 0.0 29.8

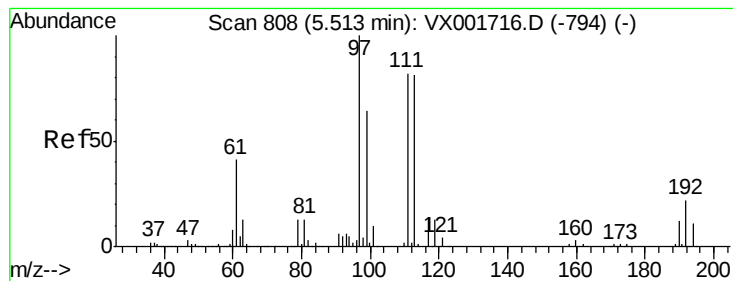


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.00 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

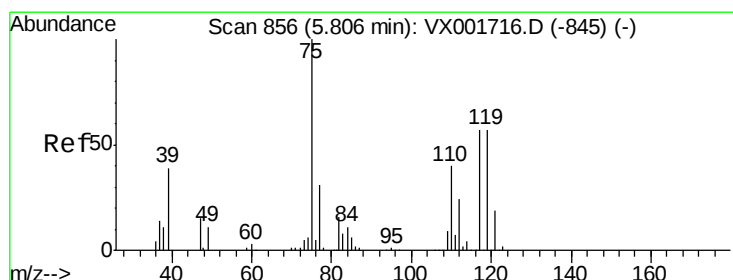
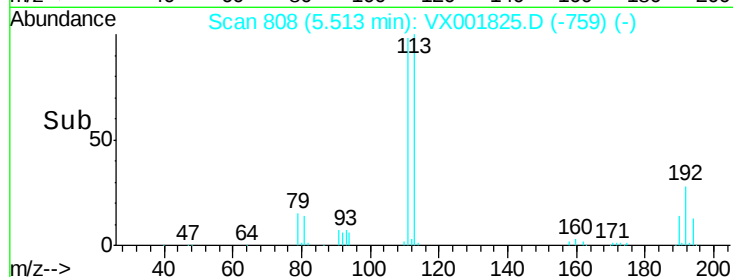
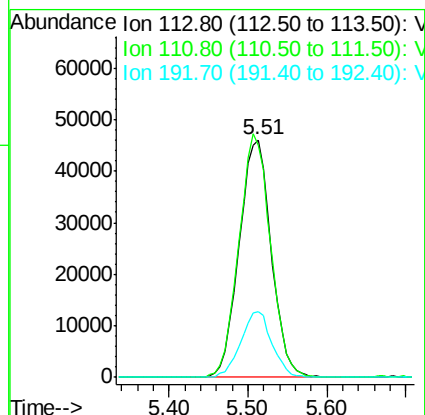
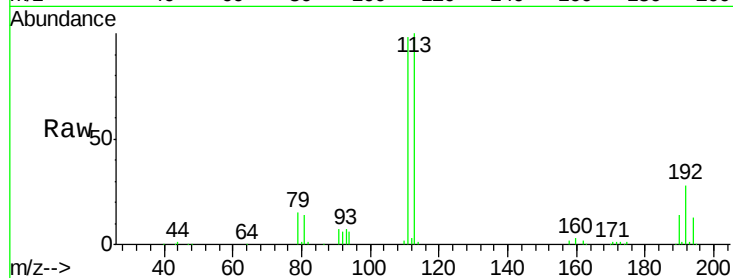
Tot Ion:113 Resp: 130506

Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

192 26.9 21.6 32.4



#36

1,1-Dichloropropene

Concen: 3.82 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

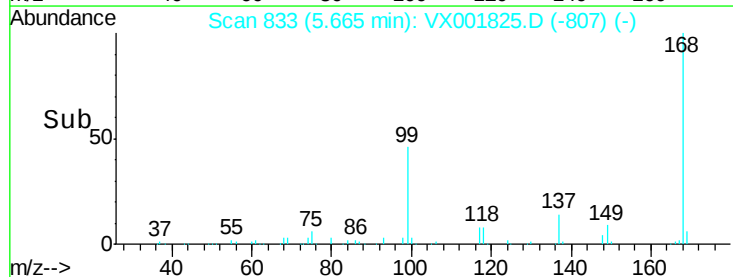
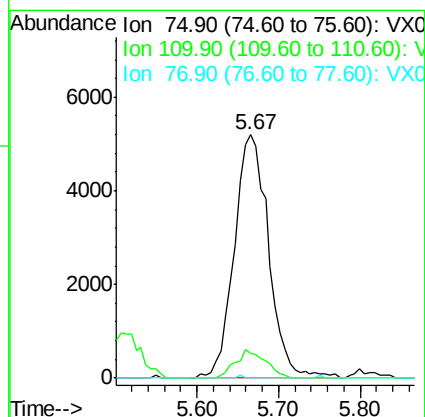
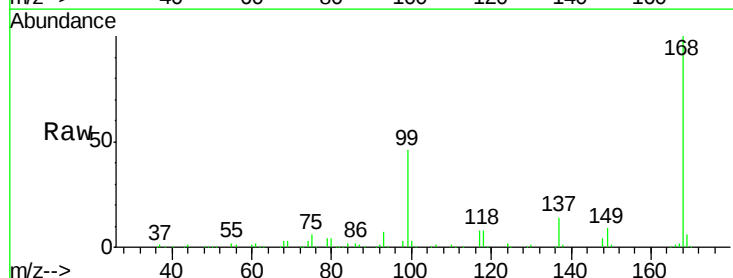
Tgt Ion: 75 Resp: 15128

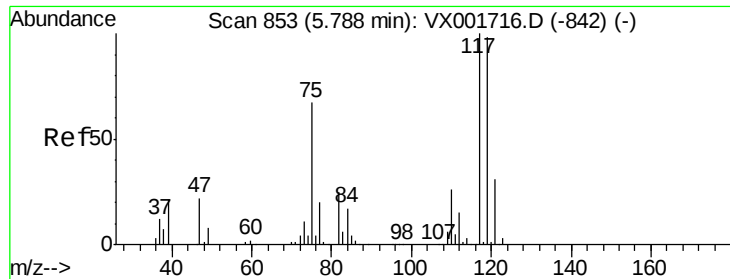
Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.1#

77 0.1 24.6 37.0#

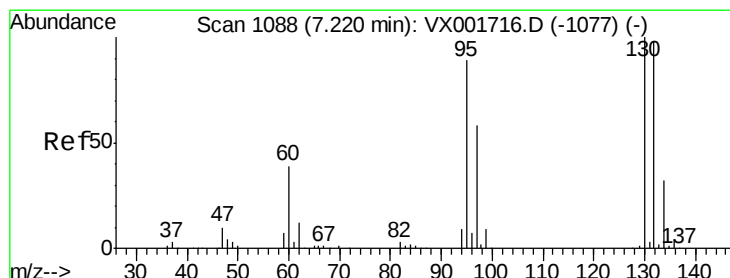
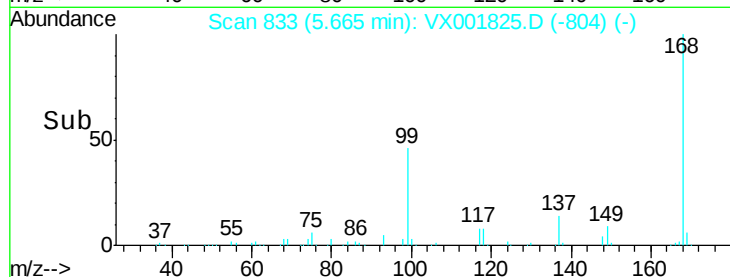
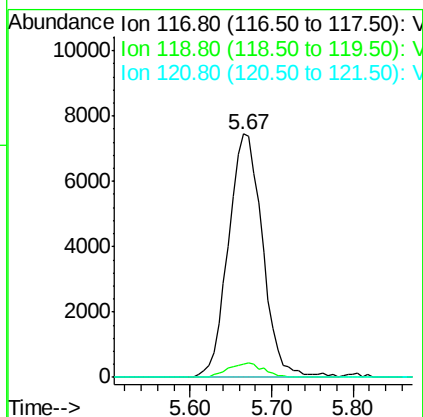
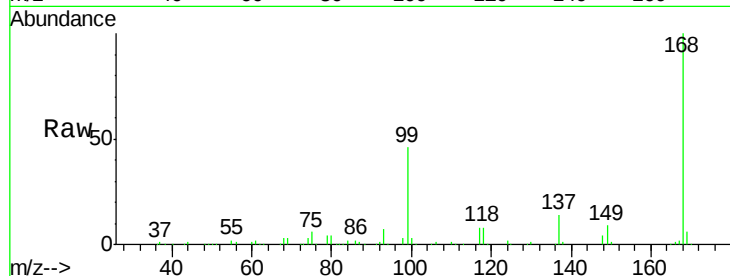




#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

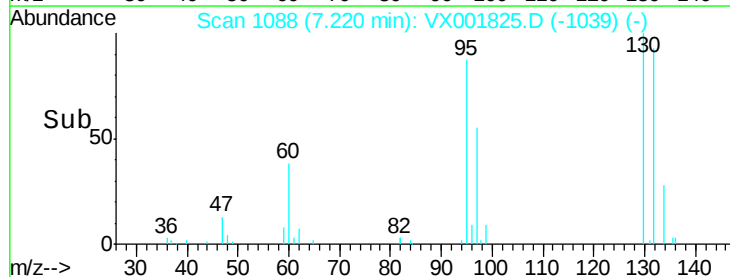
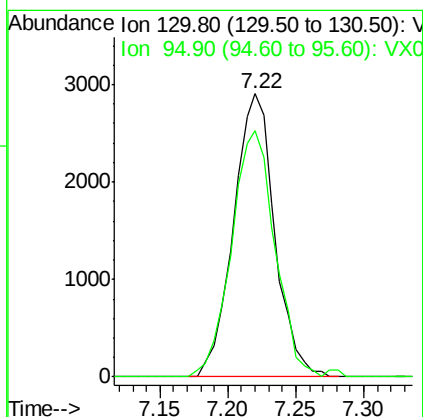
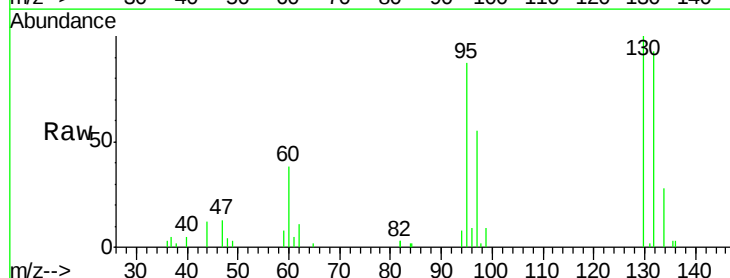
Instrument :
MSVOA_X
ClientSampleId :

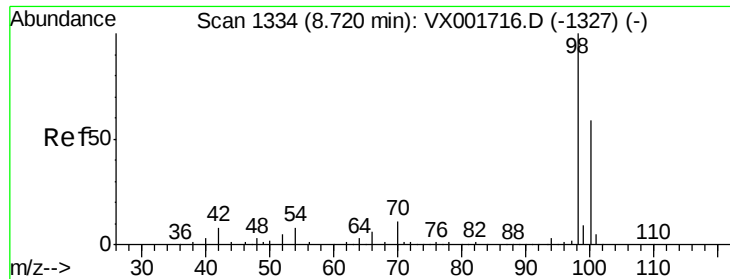
Tot Ion:117 Resp: 21569
Ion Ratio Lower Upper
117 100
119 5.5 77.6 116.4#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 1.69 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

Tgt Ion:130 Resp: 6125
Ion Ratio Lower Upper
130 100
95 86.9 0.0 177.2

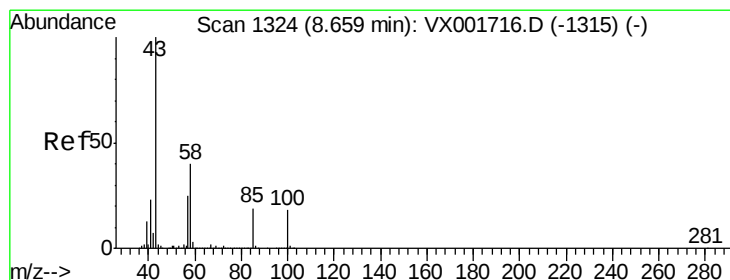
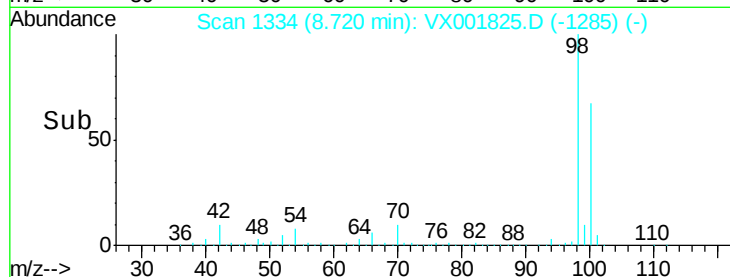
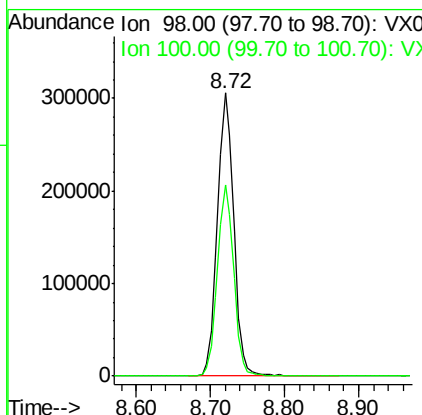
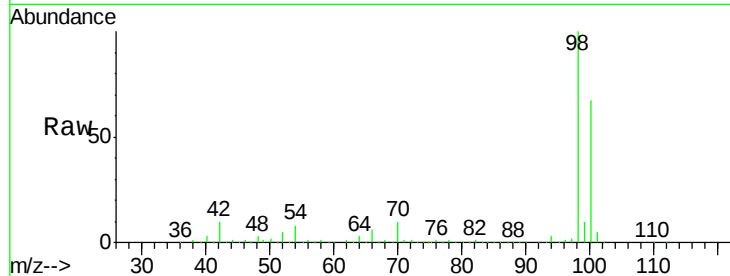




#50
Toluene-d8
Concen: 44.80 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

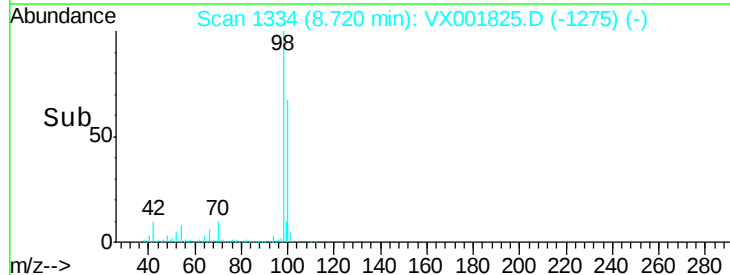
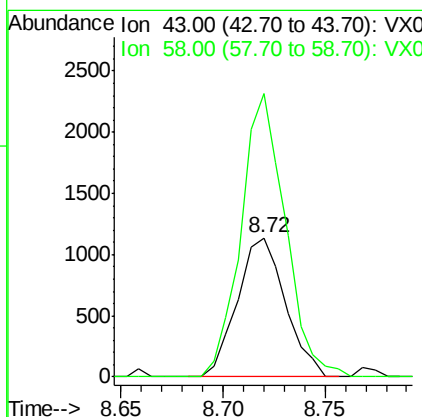
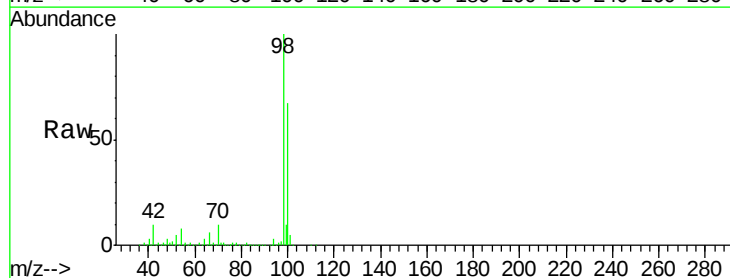
Instrument :
MSVOA_X
ClientSampleId :

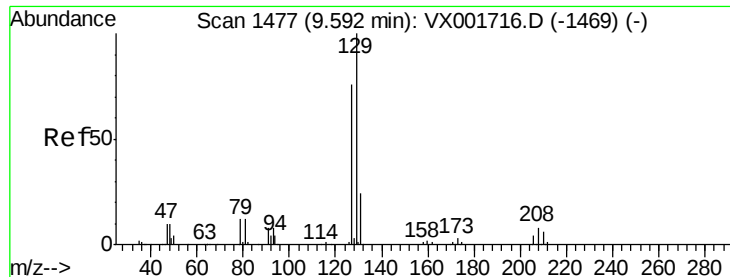
Tot Ion: 98 Resp: 465243
Ion Ratio Lower Upper
98 100
100 67.3 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001825.D
Acq: 18 May 2018 14:54

Tgt Ion: 43 Resp: 1862
Ion Ratio Lower Upper
43 100
58 187.8 31.4 47.0#





#60

Dibromochloromethane

Concen: 10.25 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

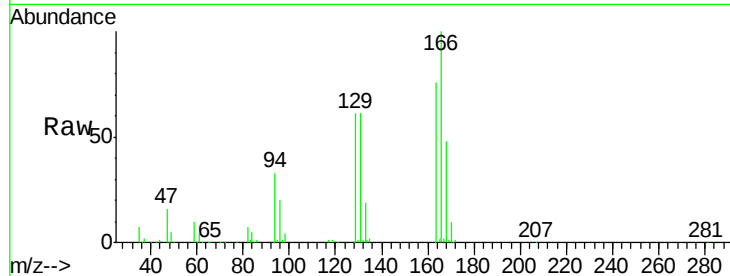
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 30052

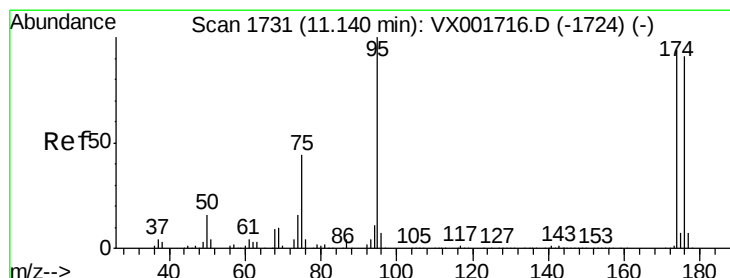
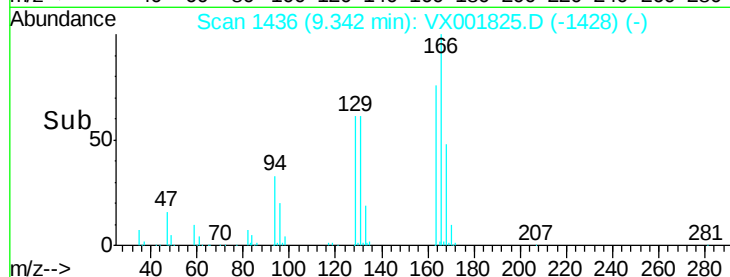
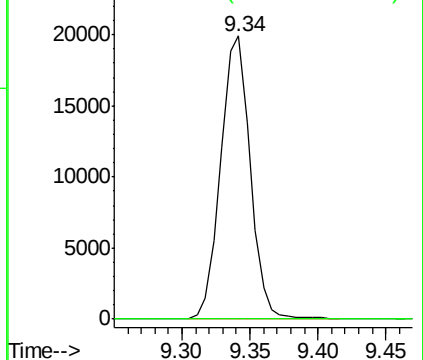
Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 31.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

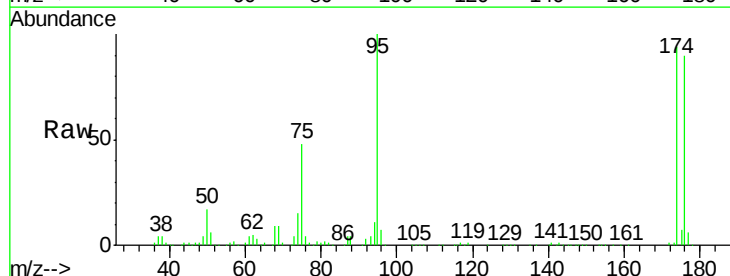
Tgt Ion: 95 Resp: 117793

Ion Ratio Lower Upper

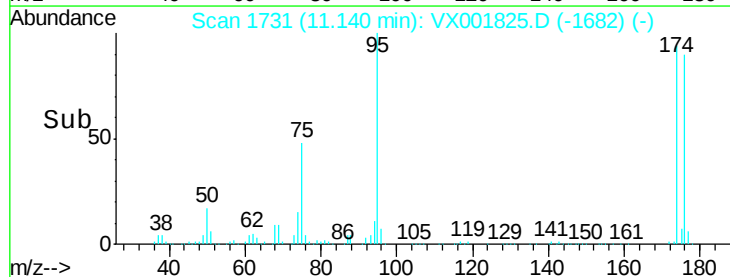
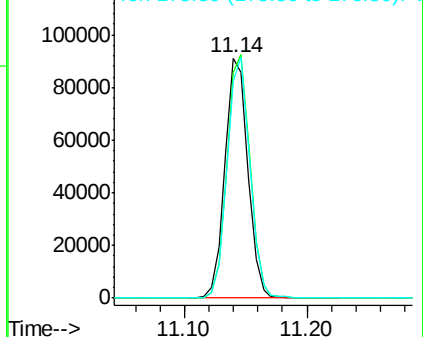
95 100

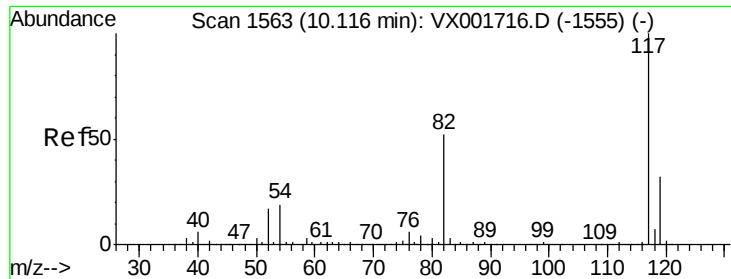
174 101.2 0.0 201.8

176 98.8 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

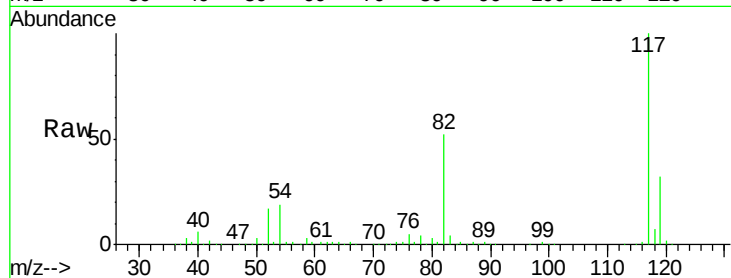
Tot Ion:117 Resp: 254444

Ion Ratio Lower Upper

117 100

82 51.7 41.4 62.2

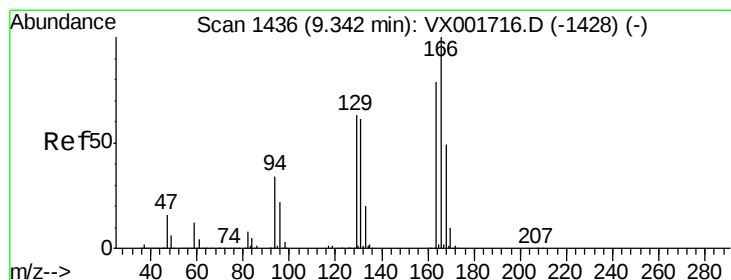
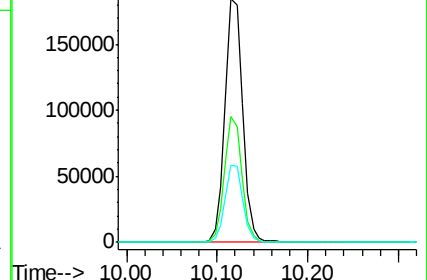
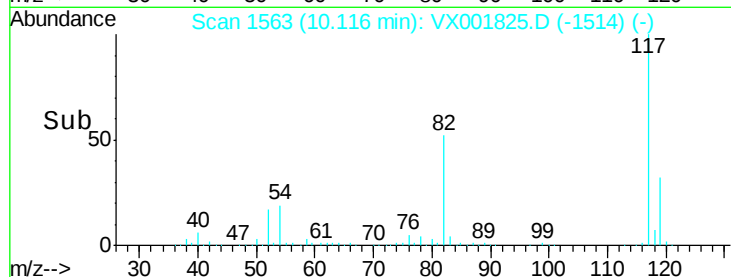
119 31.8 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 11.35 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

Tgt Ion:164 Resp: 37584

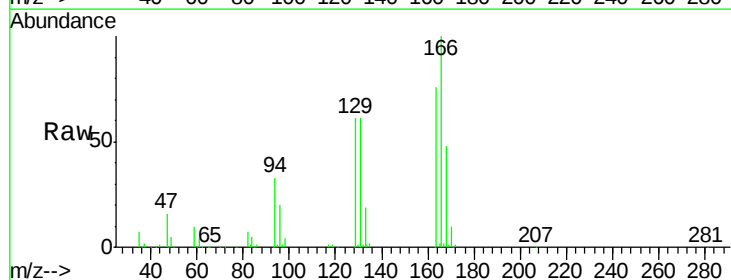
Ion Ratio Lower Upper

164 100

166 131.0 101.8 152.8

129 79.9 63.8 95.6

131 80.0 62.2 93.2

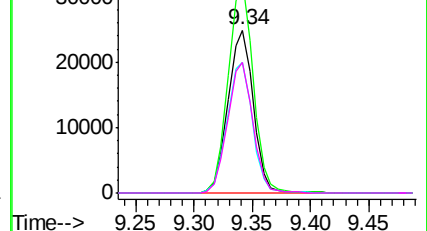
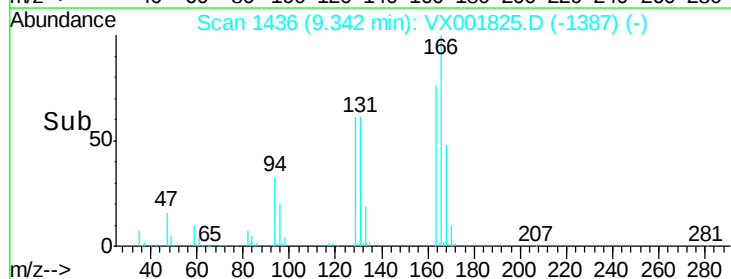


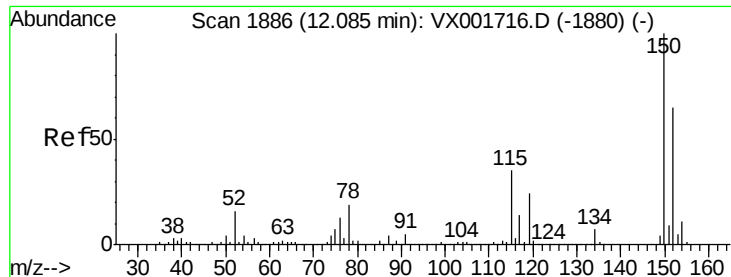
Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001825.D

Acq: 18 May 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

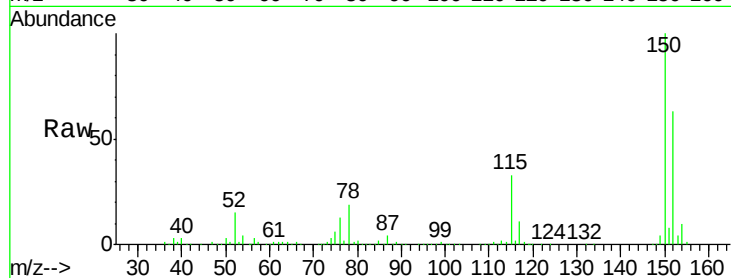
Tot Ion:152 Resp: 112076

Ion Ratio Lower Upper

152 100

115 51.7 37.4 112.2

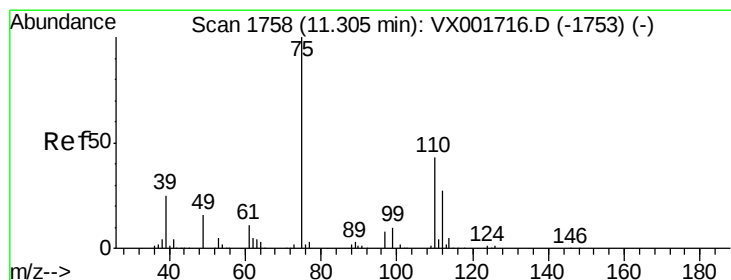
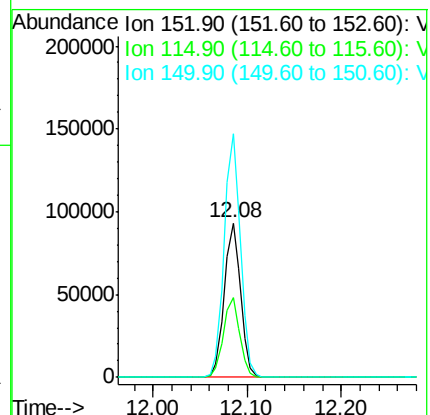
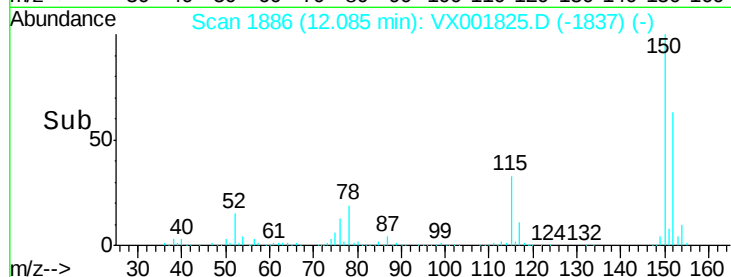
150 157.2 0.0 344.8



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: 25.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001825.D

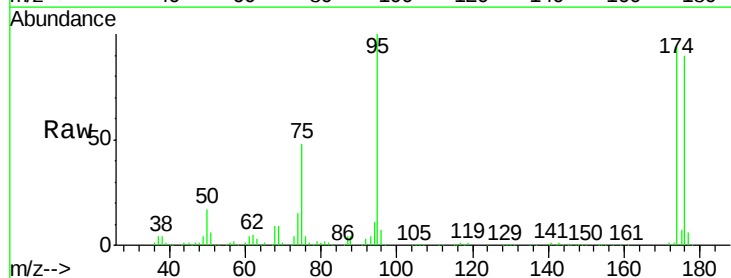
Acq: 18 May 2018 14:54

Tgt Ion: 75 Resp: 55087

Ion Ratio Lower Upper

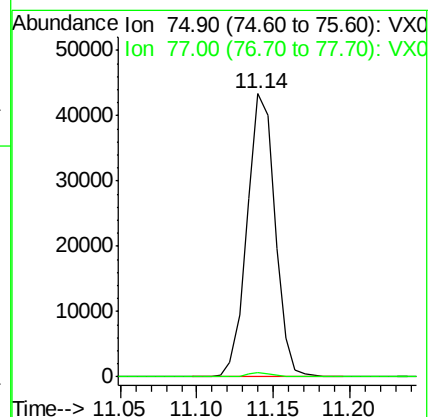
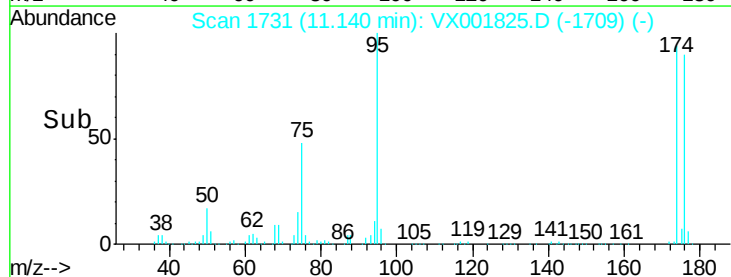
75 100

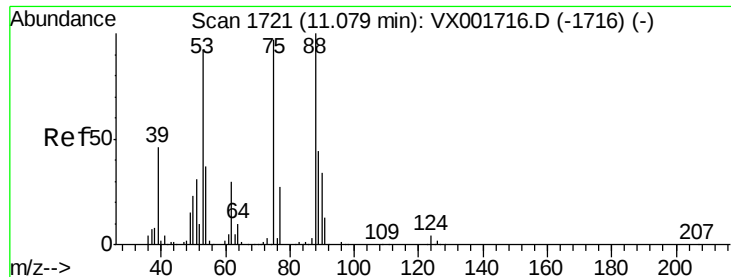
77 1.4 18.9 56.7#



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: 75.24 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001825.D
 Acq: 18 May 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 55087
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.4 119.2#
 89 0.0 38.8 58.2#

