

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003678.D
 Acq On : 26 Jul 2018 18:51
 Operator : JC/SP
 Sample : J4069-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC011-W-180718

Quant Time: Jul 27 05:37:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	86209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	118187	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	121952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	55728	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	68265	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
35) Dibromofluoromethane	5.51	113	57284	59.29	ug/l	0.00
Spiked Amount			Recovery	=	118.58%	
50) Toluene-d8	8.72	98	185607	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.14	95	62986	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	

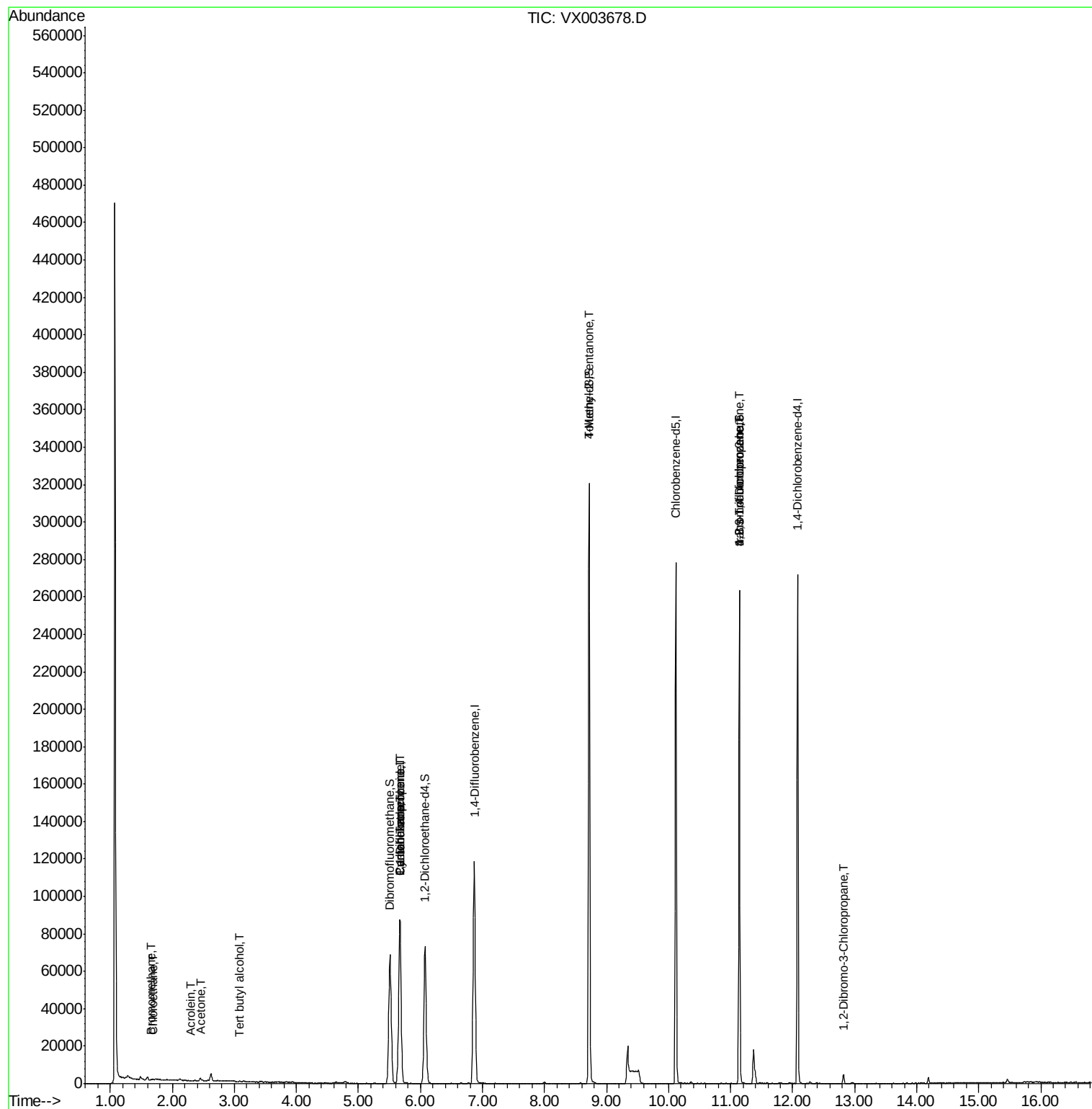
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	154	0.24	ug/l #	58
6) Chloroethane	1.70	64	797	2.69	ug/l #	42
11) Tert butyl alcohol	3.07	59	164	0.54	ug/l #	72
13) Acrolein	2.30	56	47	4.33	ug/l #	67
16) Acetone	2.45	43	1514	2.52	ug/l	97
31) Cyclohexane	5.66	56	1707	0.99	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	6111	4.42	ug/l #	49
38) Carbon Tetrachloride	5.67	117	7835	5.88	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	906	0.55	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	32082	27.45	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	32082	85.04	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	108	0.37	ug/l #	1

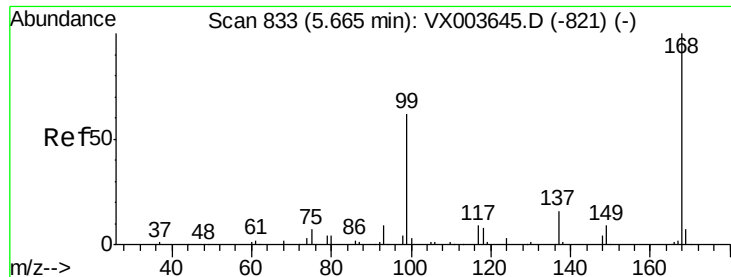
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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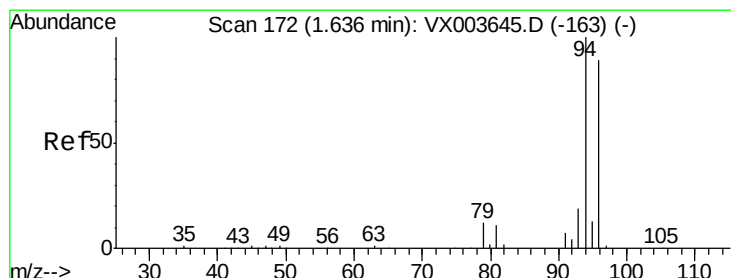
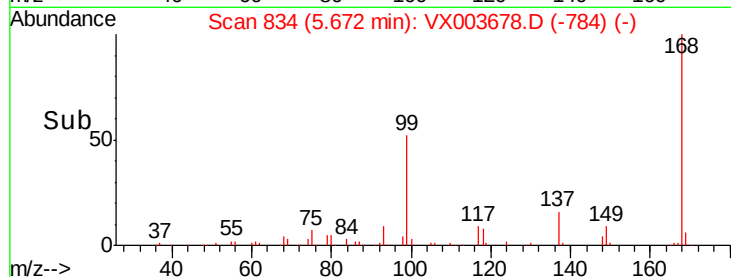
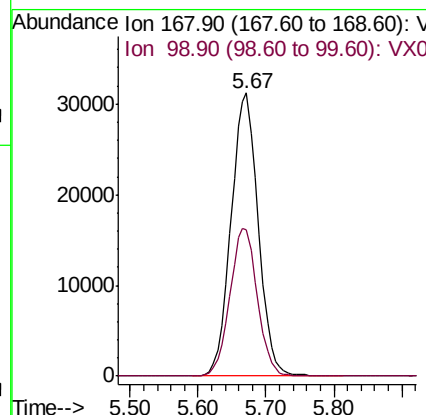
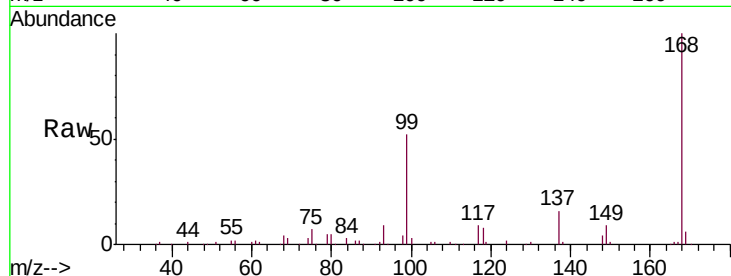




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003678.D
Acq: 26 Jul 2018 18:51

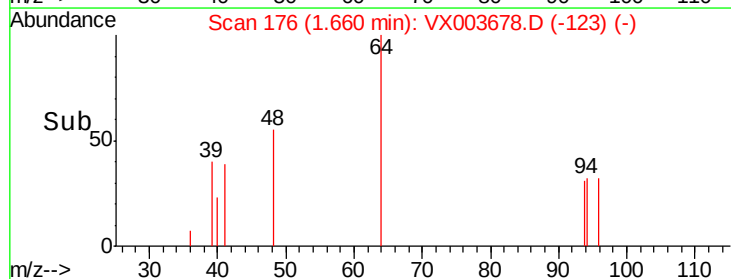
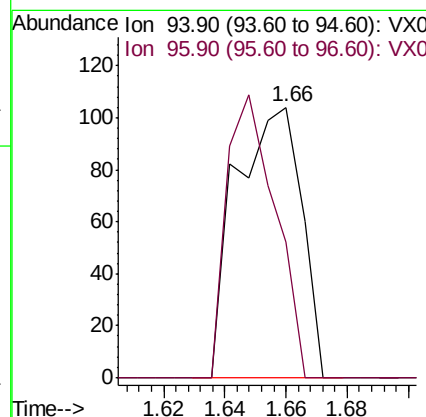
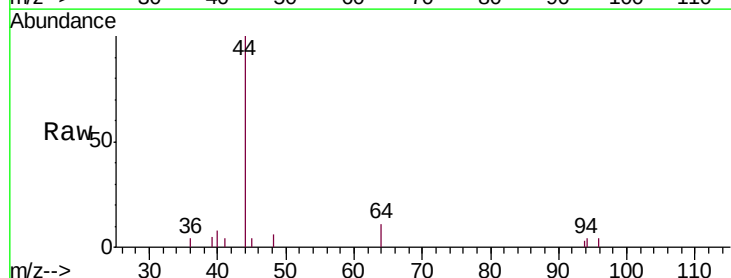
Instrument :
MSVOA_X
ClientSampleId :
KY030LC011-W-180718

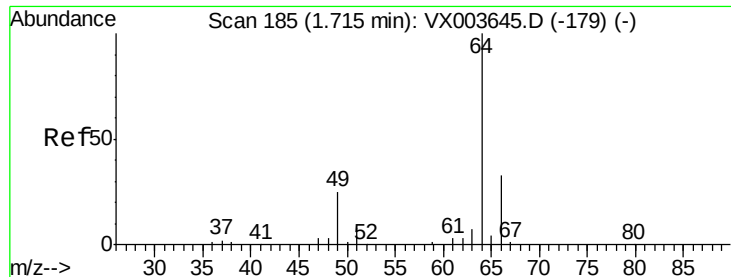
Tot Ion:168 Resp: 86209
Ion Ratio Lower Upper
168 100
99 51.9 49.5 74.3



#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.66 min Scan# 176
Delta R.T. 0.02 min
Lab File: VX003678.D
Acq: 26 Jul 2018 18:51

Tgt Ion: 94 Resp: 154
Ion Ratio Lower Upper
94 100
96 50.0 71.3 106.9#





#6

Chloroethane

Concen: 2.69 ug/l

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX003678.D

Acq: 26 Jul 2018 18:51

Instrument :

MSVOA_X

ClientSampleId :

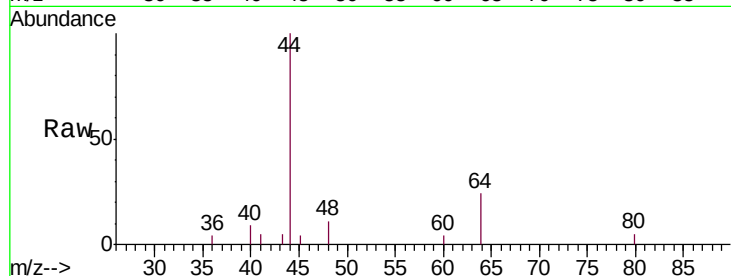
KY030LC011-W-180718

Tot Ion: 64 Resp: 797

Ion Ratio Lower Upper

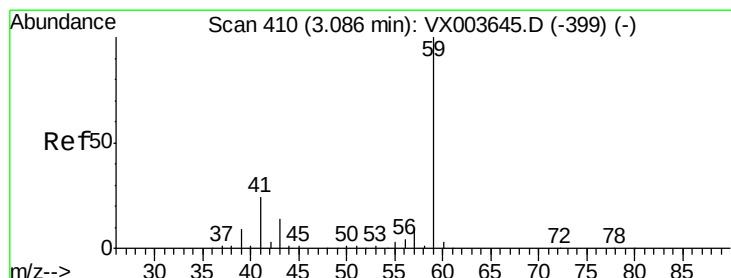
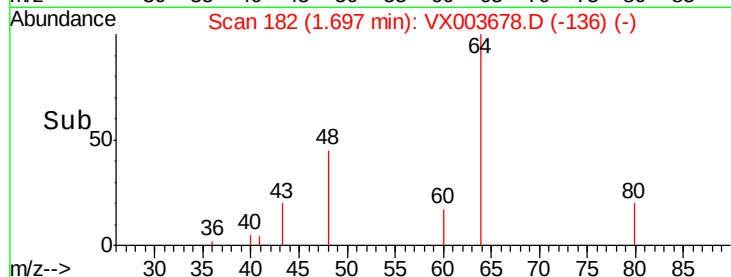
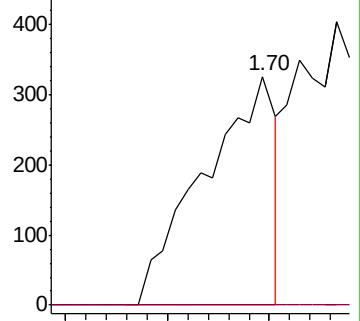
64 100

66 0.0 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.54 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003678.D

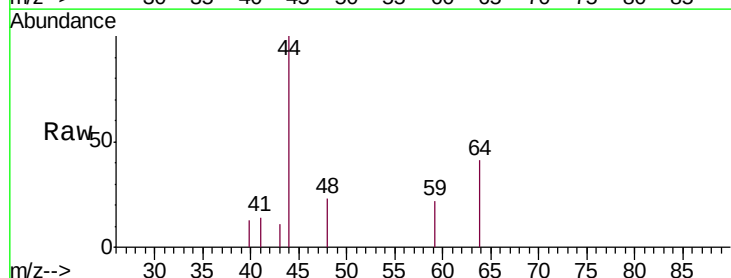
Acq: 26 Jul 2018 18:51

Tgt Ion: 59 Resp: 164

Ion Ratio Lower Upper

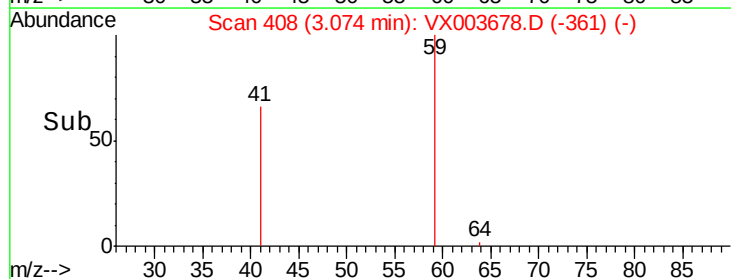
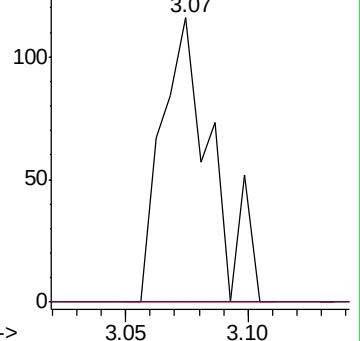
59 100

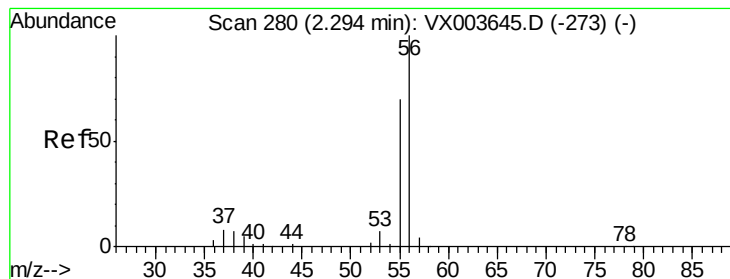
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 4.33 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003678.D

Acq: 26 Jul 2018 18:51

Instrument :

MSVOA_X

ClientSampleId :

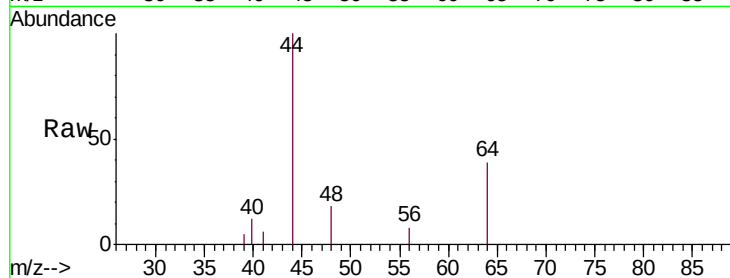
KY030LC011-W-180718

Tot Ion: 56 Resp: 47

Ion Ratio Lower Upper

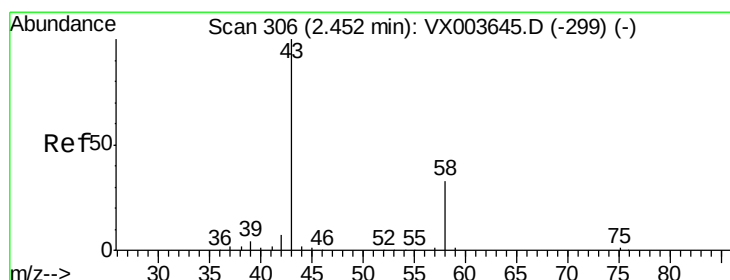
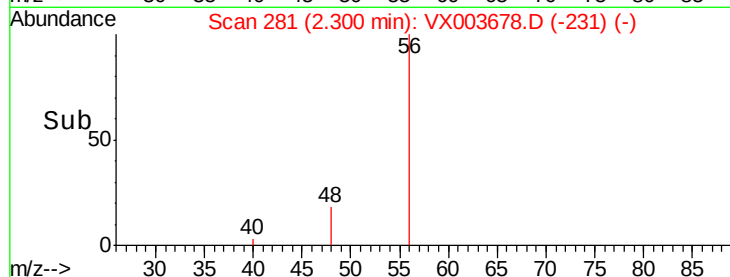
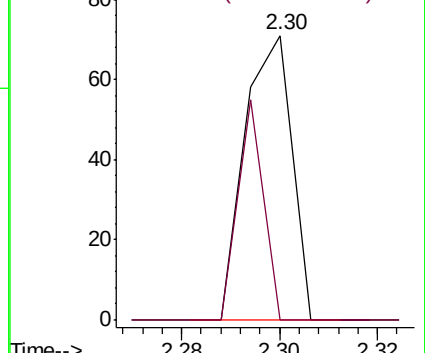
56 100

55 42.6 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.52 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003678.D

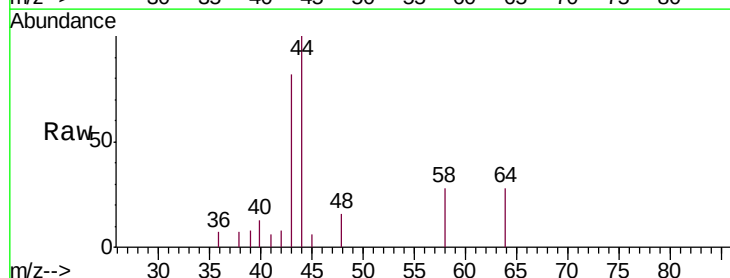
Acq: 26 Jul 2018 18:51

Tgt Ion: 43 Resp: 1514

Ion Ratio Lower Upper

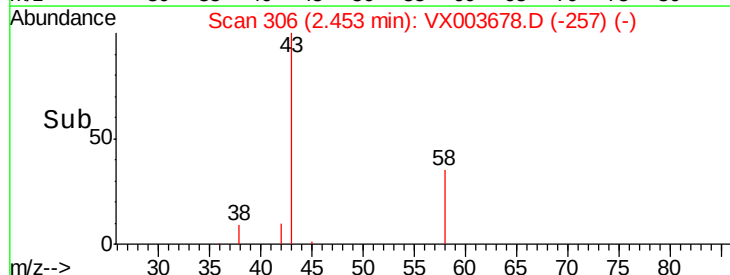
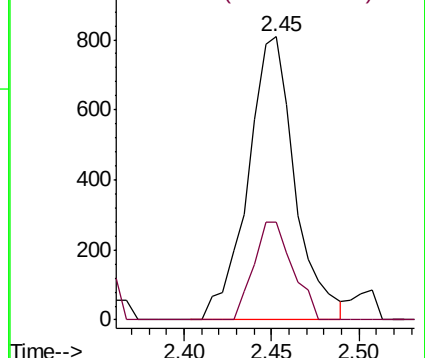
43 100

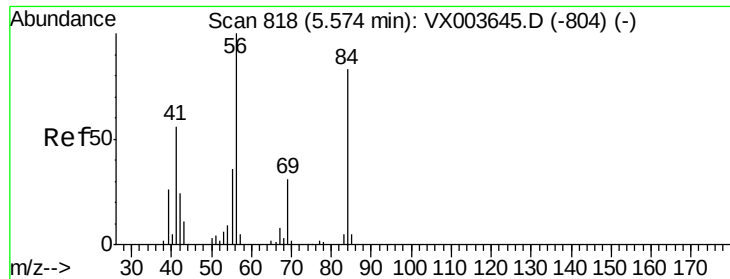
58 34.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003678.D

Acq: 26 Jul 2018 18:51

Instrument :

MSVOA_X

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KY030LC011-W-180718

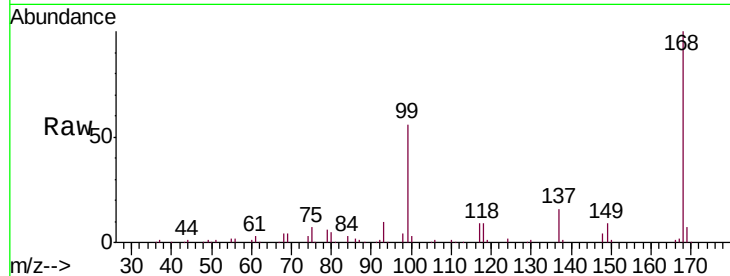
Tot Ion: 56 Resp: 1707

Ion Ratio Lower Upper

56 100

69 189.6 25.0 37.6#

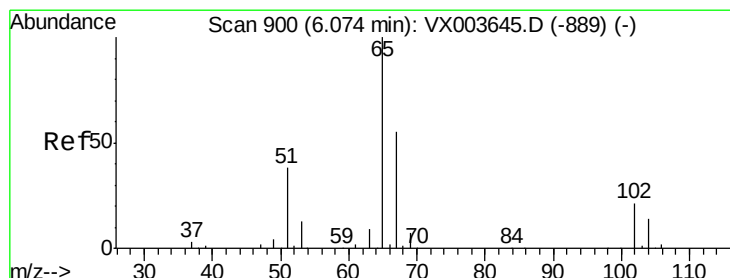
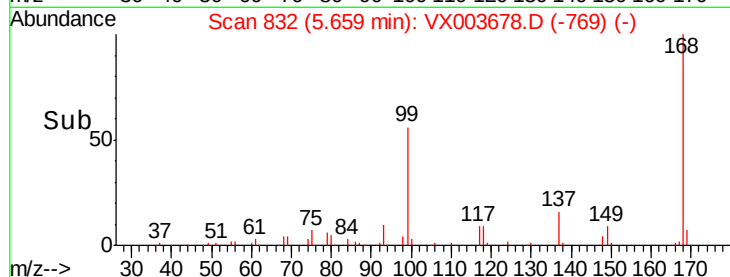
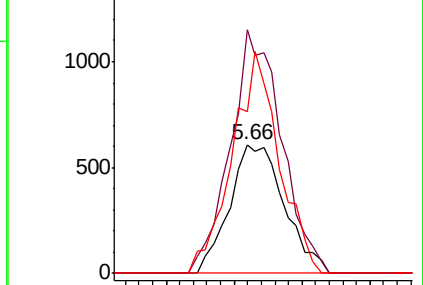
84 125.9 66.5 99.7#



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: 53.46 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003678.D

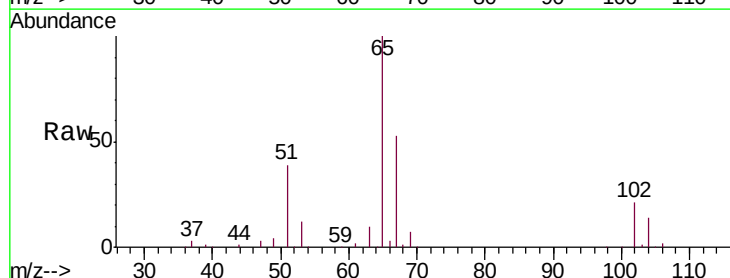
Acq: 26 Jul 2018 18:51

Tgt Ion: 65 Resp: 68265

Ion Ratio Lower Upper

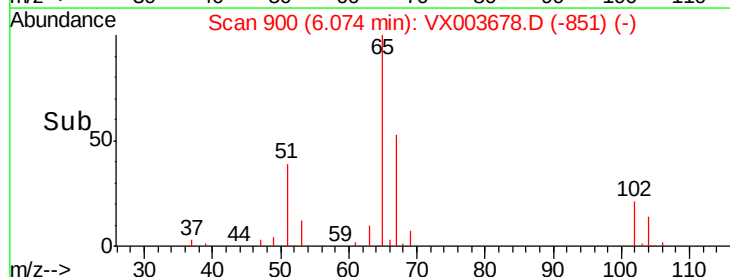
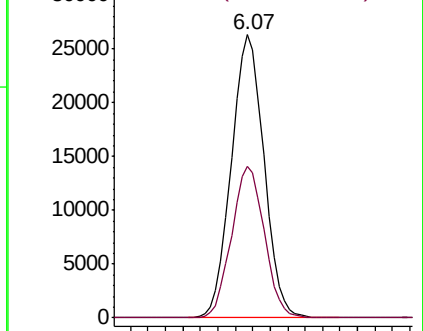
65 100

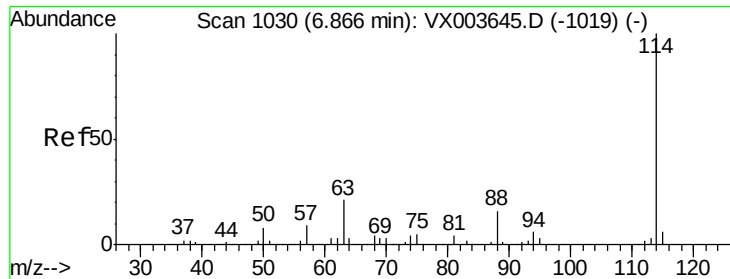
67 53.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

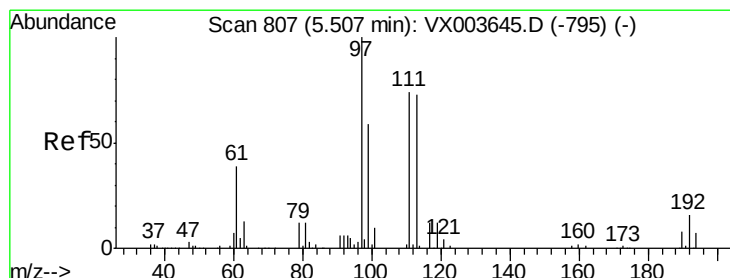
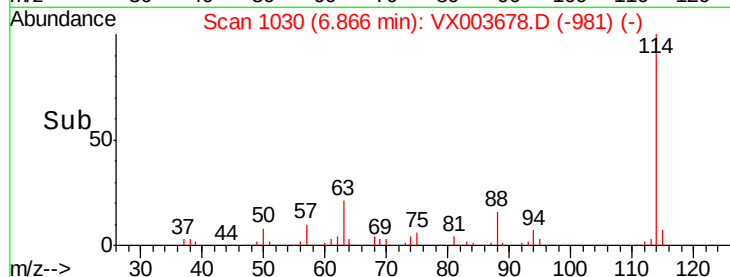
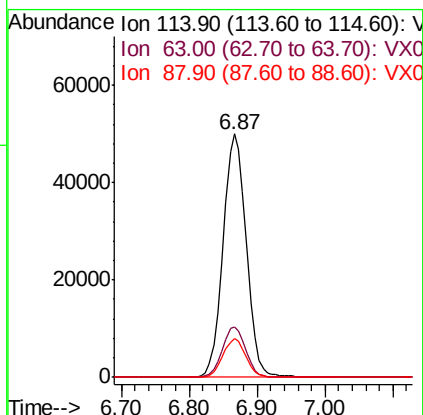
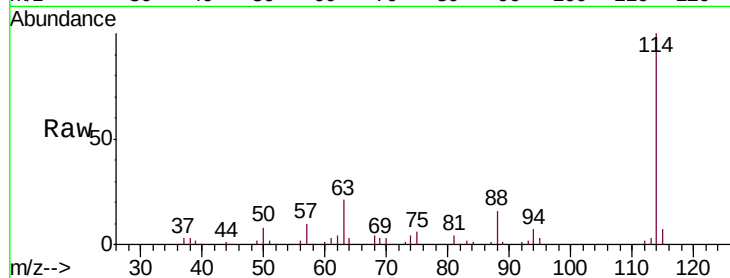




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003678.D
 Acq: 26 Jul 2018 18:51

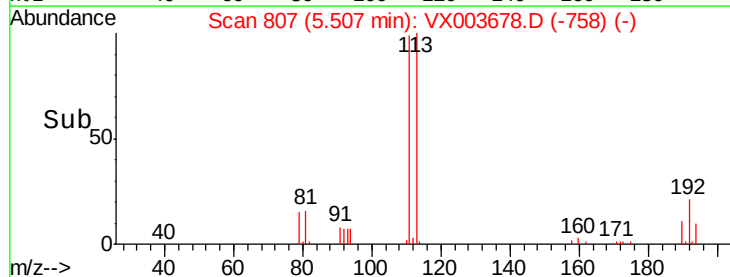
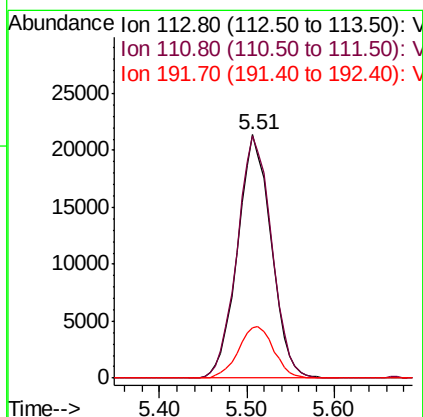
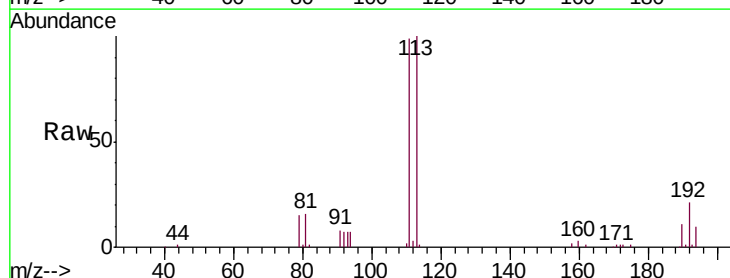
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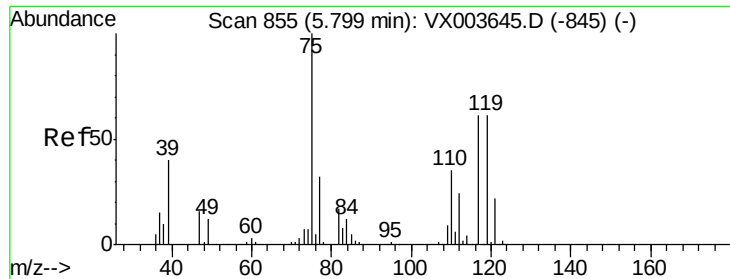
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	15.9	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 59.29 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003678.D
 Acq: 26 Jul 2018 18:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.2	121.8
192	22.2	18.2	27.4

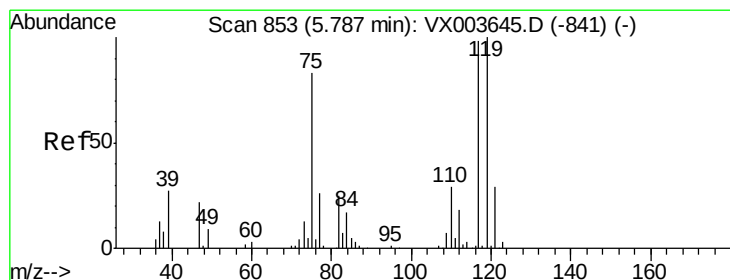
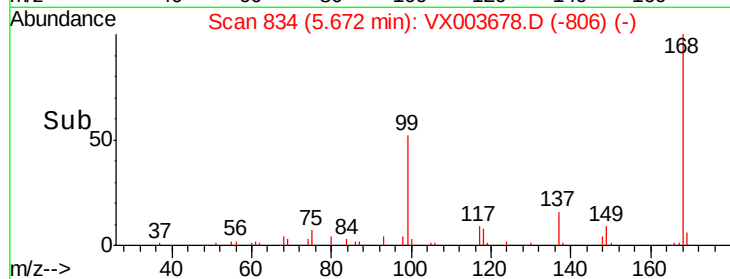
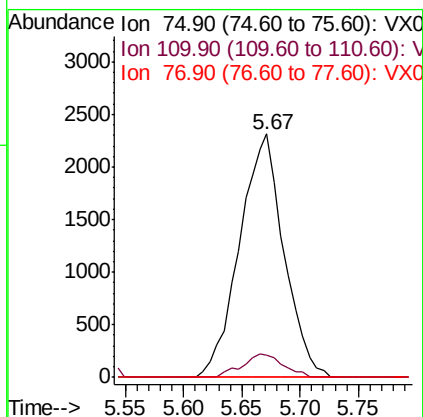
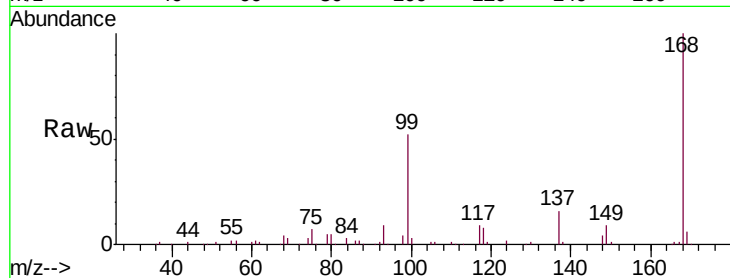




#36
 1,1-Dichloropropene
 Concen: 4.42 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003678.D
 Acq: 26 Jul 2018 18:51

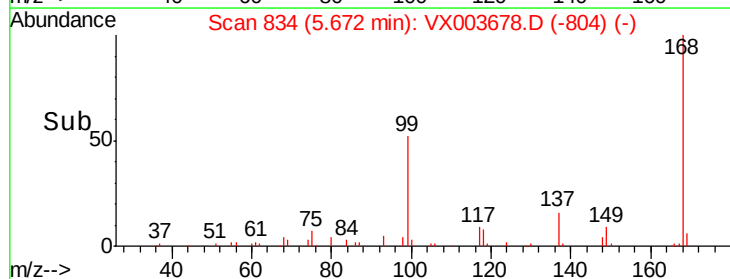
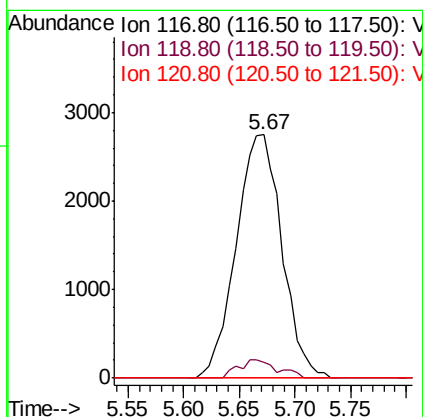
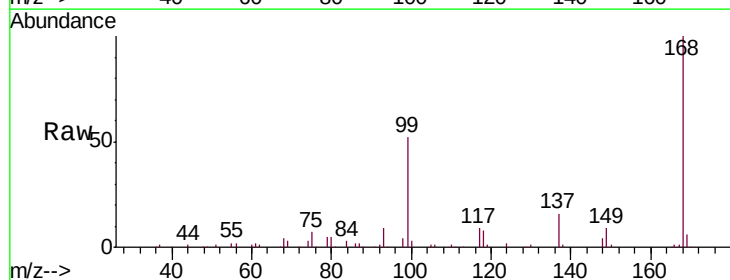
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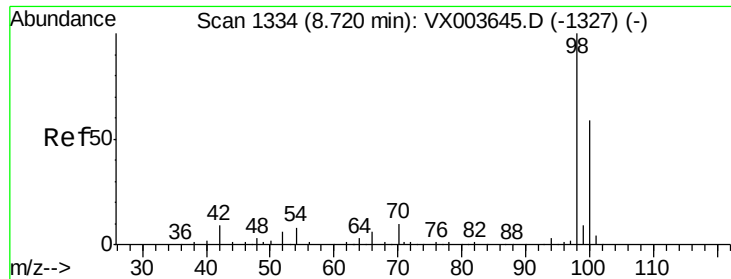
Tot Ion	75	Resp	6111
Ion Ratio	Lower	Upper	
75	100		
110	8.9	18.1	54.1#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.88 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX003678.D
 Acq: 26 Jul 2018 18:51

Tgt Ion	117	Resp	7835
Ion Ratio	Lower	Upper	
117	100		
119	6.4	81.0	121.4#
121	0.0	23.7	35.5#

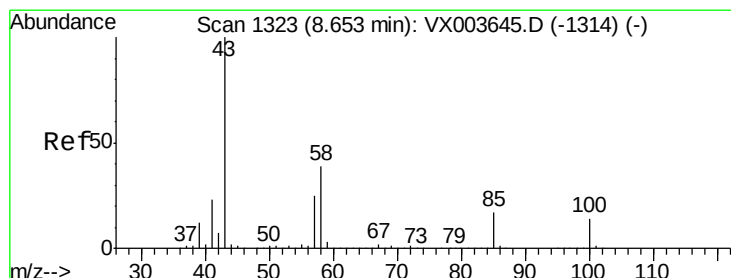
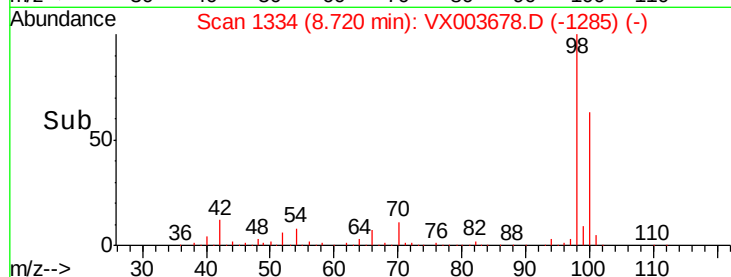
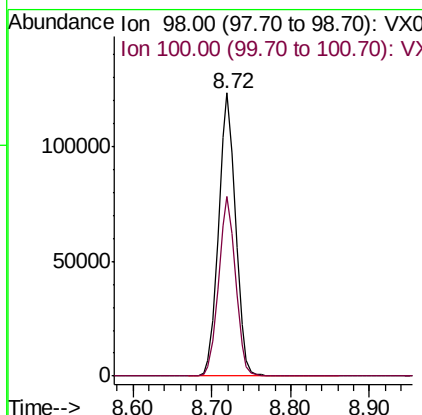
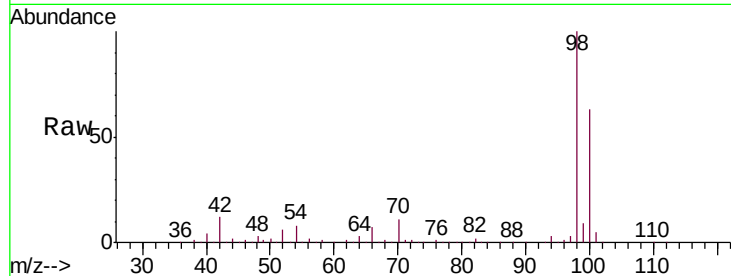




#50
Toluene-d8
Concen: 50.34 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003678.D
Acq: 26 Jul 2018 18:51

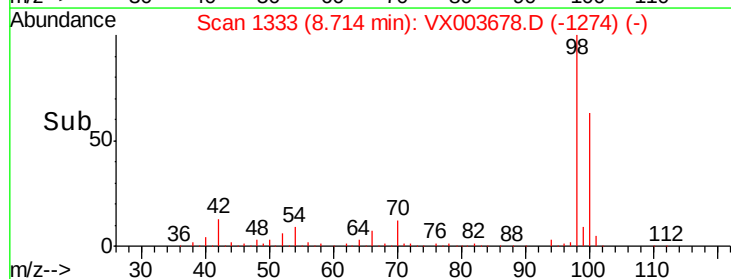
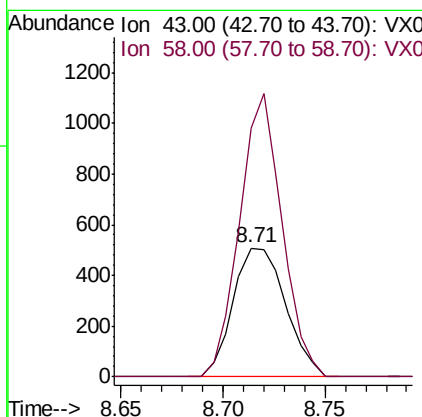
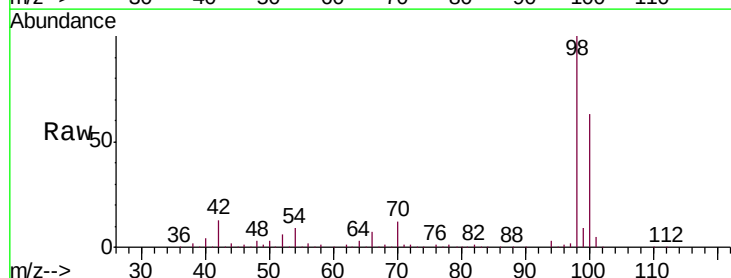
Instrument :
MSVOA_X
ClientSampleId :
KY030LC011-W-180718

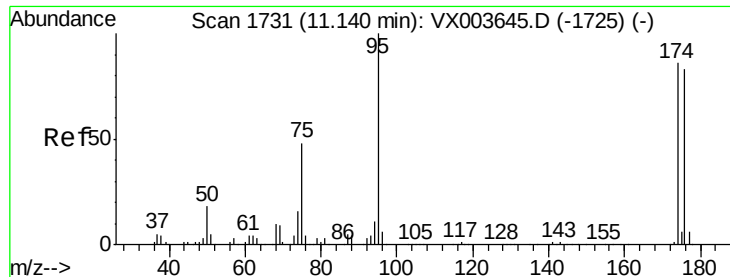
Tot Ion: 98 Resp: 185607
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.55 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.06 min
Lab File: VX003678.D
Acq: 26 Jul 2018 18:51

Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
58 178.3 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 46.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003678.D

Acq: 26 Jul 2018 18:51

Instrument :

MSVOA_X

ClientSampleId :

KY030LC011-W-180718

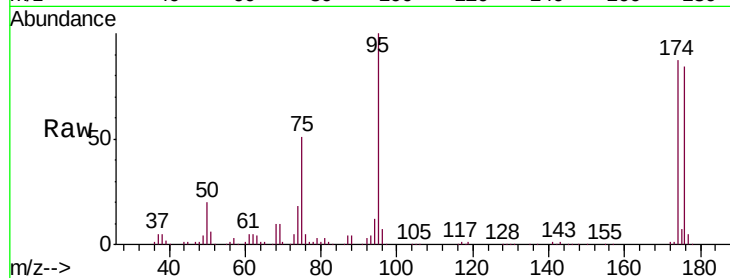
Tot Ion: 95 Resp: 62986

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.0

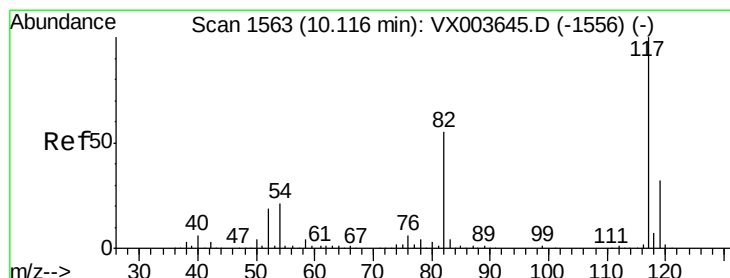
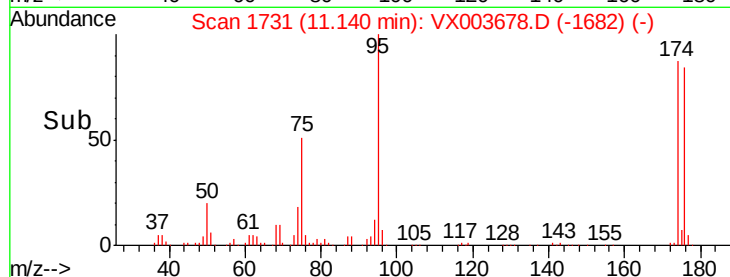
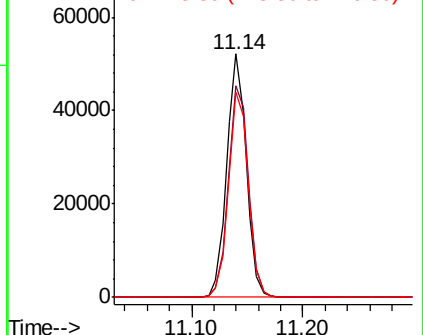
176 85.6 0.0 173.0



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: VX003678.D

Acq: 26 Jul 2018 18:51

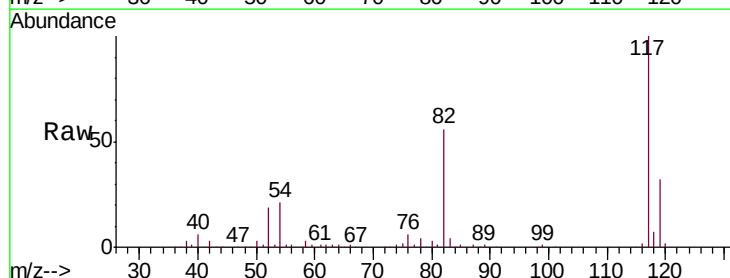
Tgt Ion: 117 Resp: 121952

Ion Ratio Lower Upper

117 100

82 55.6 44.3 66.5

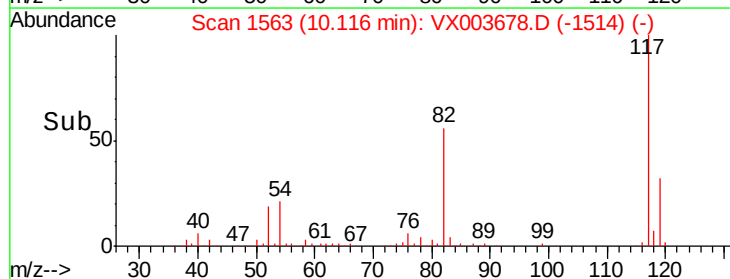
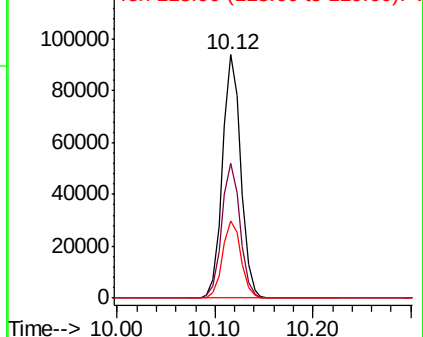
119 31.5 25.6 38.4

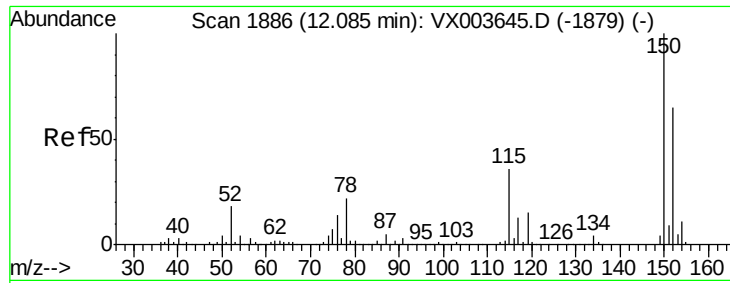


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003678.D

Acq: 26 Jul 2018 18:51

Instrument :

MSVOA_X

ClientSampleId :

KY030LC011-W-180718

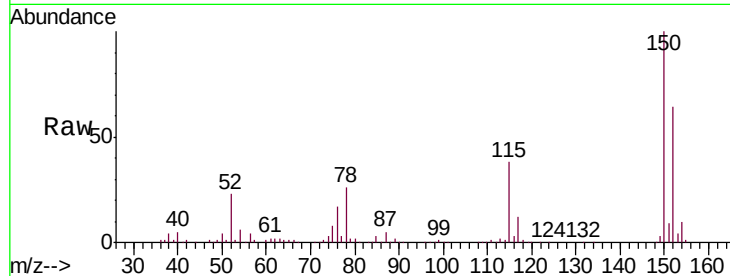
Tot Ion:152 Resp: 55728

Ion Ratio Lower Upper

152 100

115 56.0 40.0 119.9

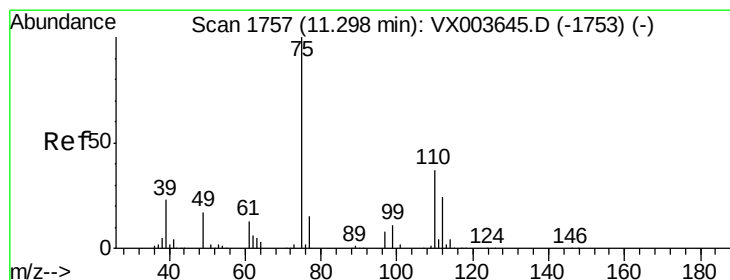
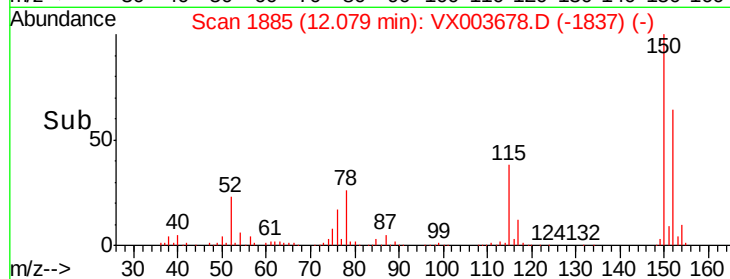
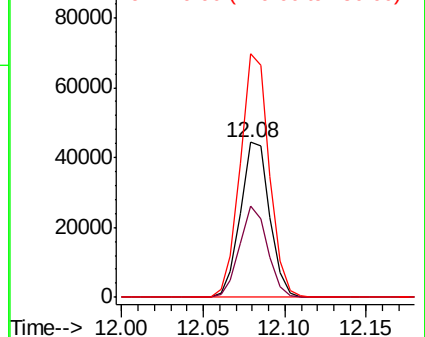
150 155.4 0.0 348.4



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: 27.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003678.D

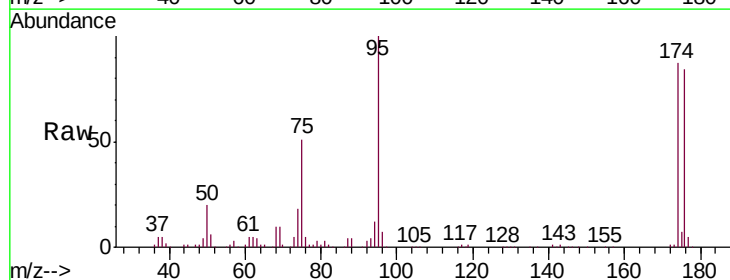
Acq: 26 Jul 2018 18:51

Tgt Ion: 75 Resp: 32082

Ion Ratio Lower Upper

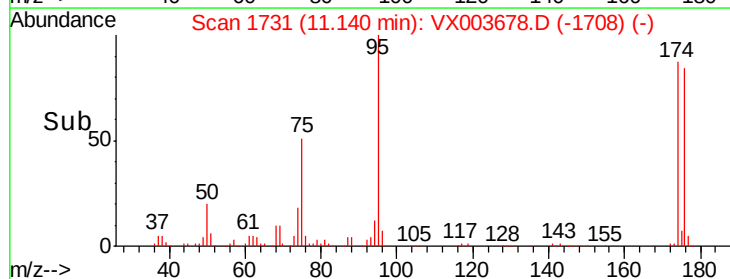
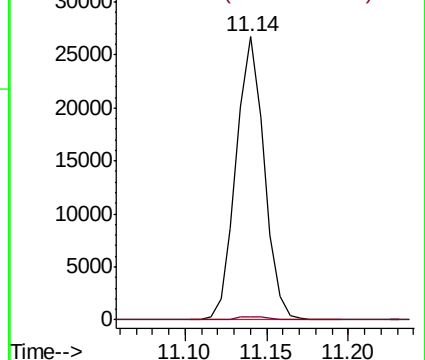
75 100

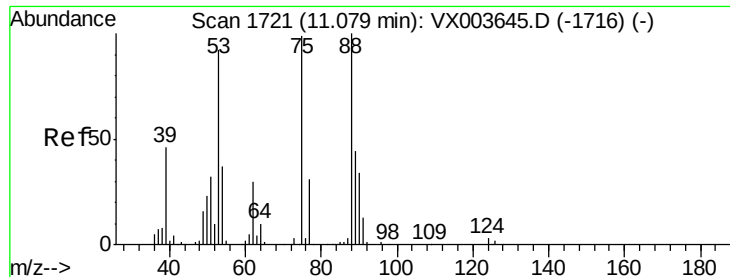
77 1.2 21.6 64.6#



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: 85.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003678.D

Acq: 26 Jul 2018 18:51

Instrument :

MSVOA_X

ClientSampleId :

KY030LC011-W-180718

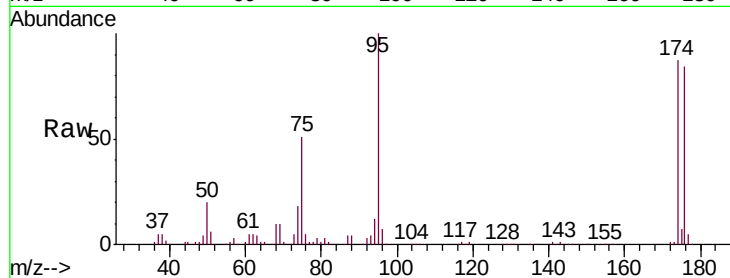
Tot Ion: 75 Resp: 32082

Ion Ratio Lower Upper

75 100

53 0.1 77.8 116.8#

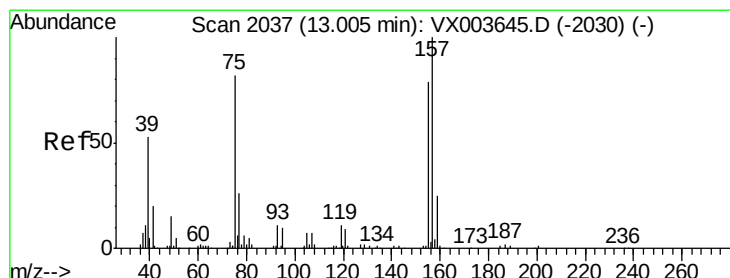
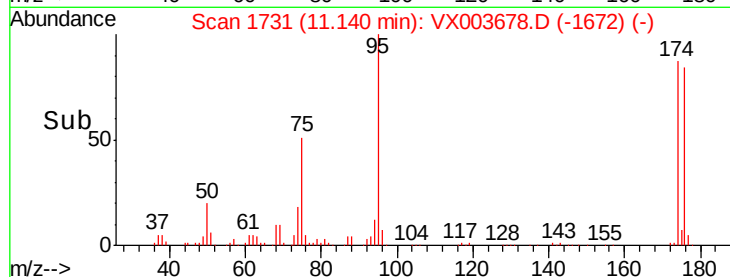
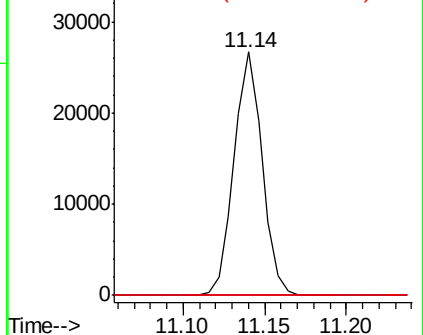
89 0.0 36.6 54.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.37 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. -0.18 min

Lab File: VX003678.D

Acq: 26 Jul 2018 18:51

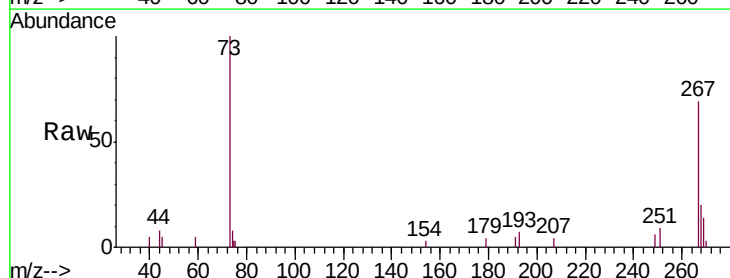
Tgt Ion: 75 Resp: 108

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.7 179.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

