

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002841.D
 Acq On : 22 Jun 2018 19:59
 Operator : JC/MD
 Sample : J3592-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 00:26:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319387	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	166709	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	156151	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
35) Dibromofluoromethane	5.51	113	121350	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
50) Toluene-d8	8.72	98	451954	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.14	95	158746	43.28	ug/l	0.00
Spiked Amount			Recovery	=	86.56%	

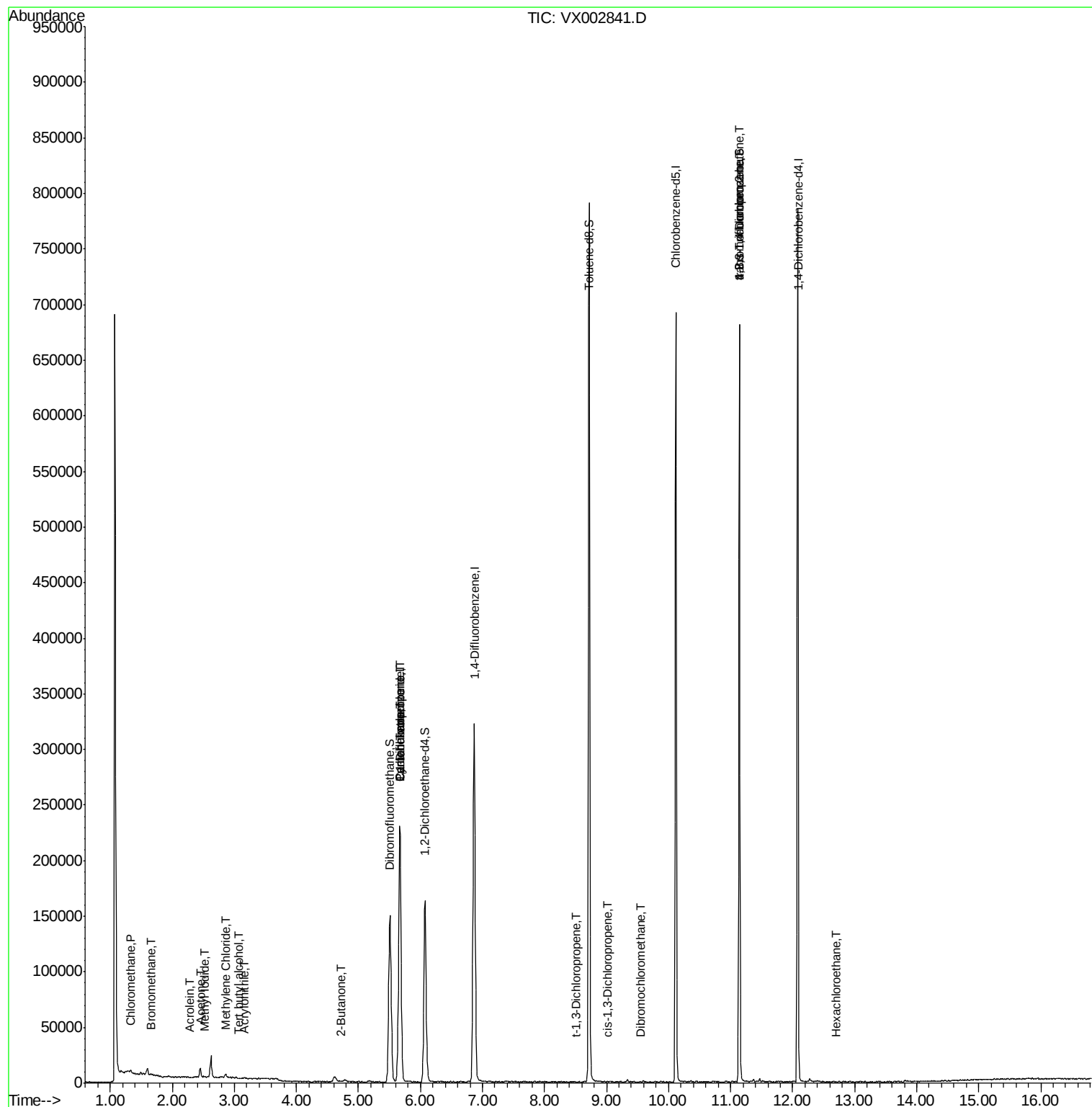
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	920	0.32	ug/l	98
5) Bromomethane	1.65	94	918	0.51	ug/l #	79
10) Methyl Iodide	2.52	142	1222	5.48	ug/l #	95
11) Tert butyl alcohol	3.07	59	196	0.28	ug/l #	55
13) Acrolein	2.29	56	114	7.20	ug/l #	1
15) Acrylonitrile	3.16	53	412	0.27	ug/l #	66
16) Acetone	2.45	43	8762	5.78	ug/l	99
20) Methylene Chloride	2.86	84	1399	0.45	ug/l	94
25) 2-Butanone	4.71	43	484	0.24	ug/l #	89
31) Cyclohexane	5.67	56	4701	1.16	ug/l #	4
36) 1,1-Dichloropropene	5.67	75	15603	4.60	ug/l #	52
38) Carbon Tetrachloride	5.67	117	20848	6.17	ug/l #	16
53) t-1,3-Dichloropropene	8.51	75	21	2.40	ug/l #	1
54) cis-1,3-Dichloropropene	9.01	75	23	3.22	ug/l #	33
60) Dibromochloromethane	9.55	129	19	3.77	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	82962	26.37	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	82962	81.51	ug/l #	7
90) Hexachloroethane	12.71	117	18	2.64	ug/l #	1

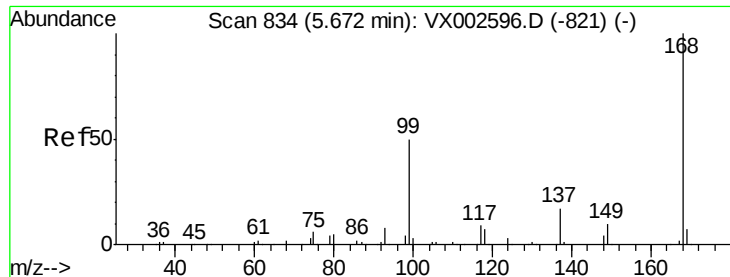
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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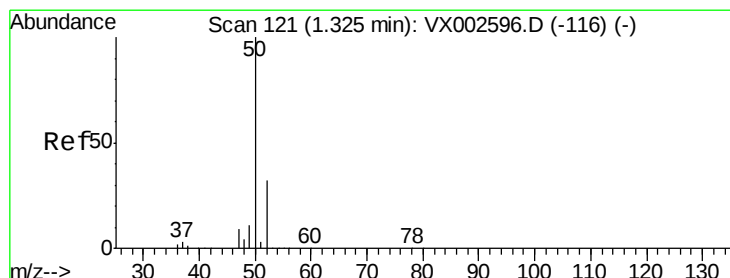
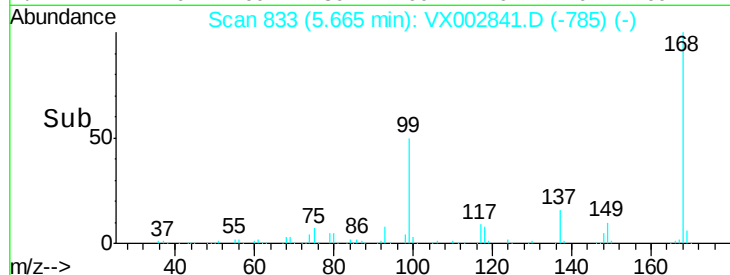
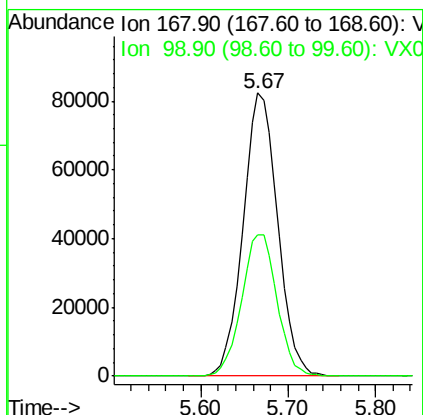
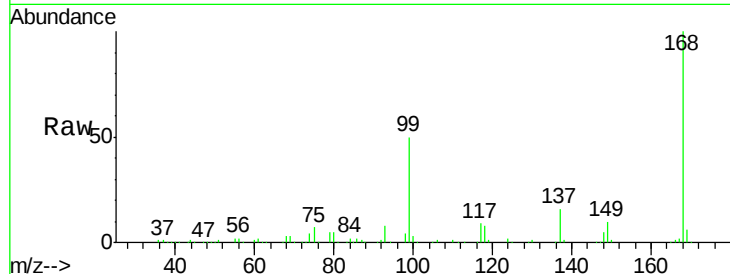




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.01 min
Lab File: VX002841.D
Acq: 22 Jun 2018 19:59

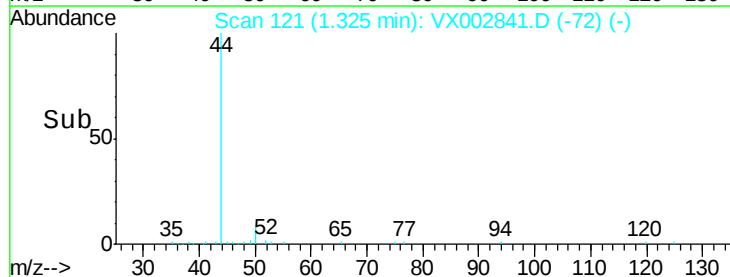
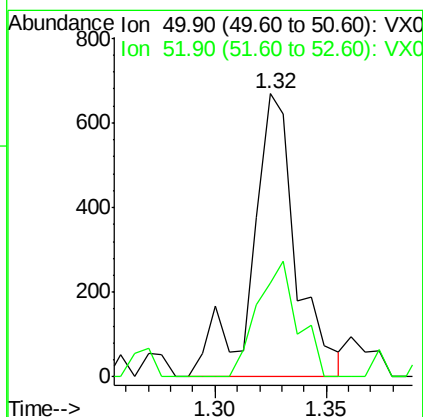
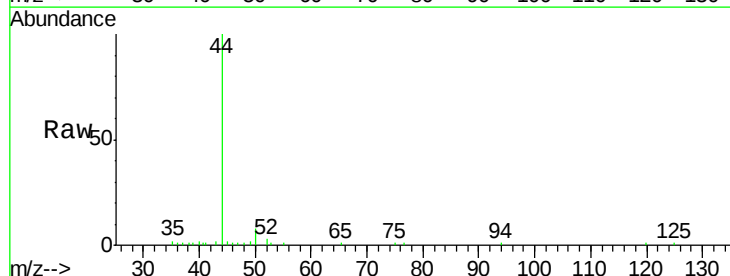
Instrument :
MSVOA_X
ClientSampleId :

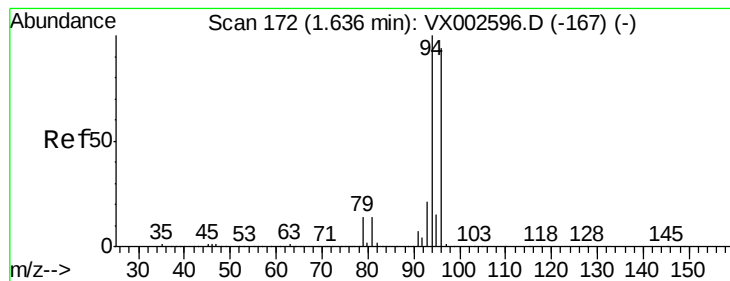
Tot Ion:168 Resp: 226098
Ion Ratio Lower Upper
168 100
99 49.8 39.3 58.9



#3
Chloromethane
Concen: 0.32 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002841.D
Acq: 22 Jun 2018 19:59

Tgt Ion: 50 Resp: 920
Ion Ratio Lower Upper
50 100
52 33.2 25.7 38.5





#5

Bromomethane

Concen: 0.51 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002841.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_X

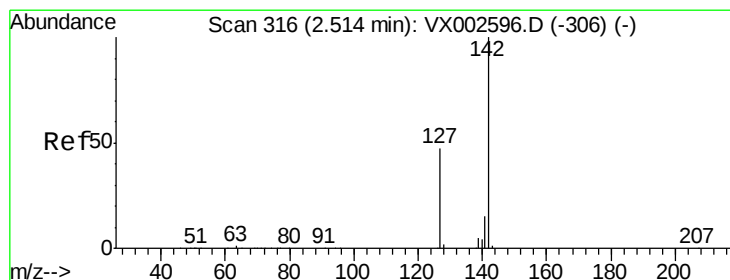
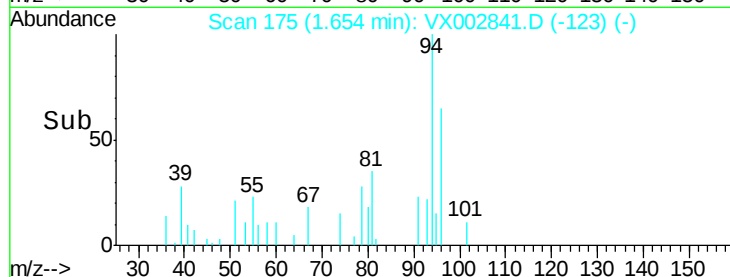
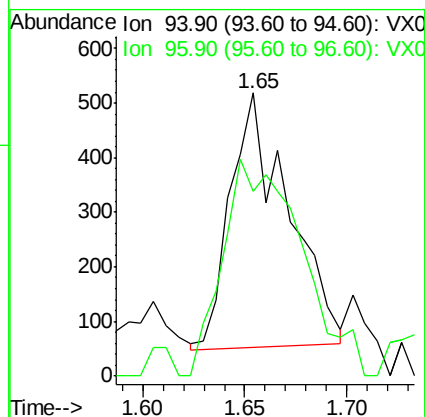
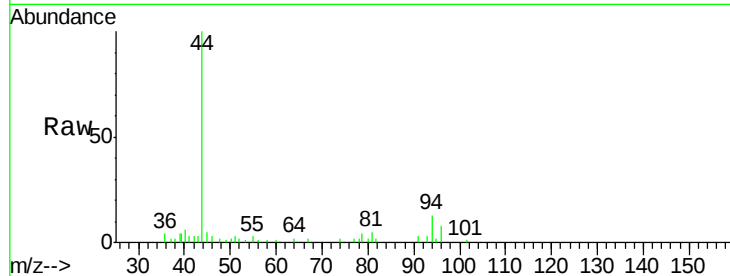
ClientSampleId :

Tot Ion: 94 Resp: 918

Ion Ratio Lower Upper

94 100

96 73.8 74.9 112.3#



#10

Methyl Iodide

Concen: 5.48 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002841.D

Acq: 22 Jun 2018 19:59

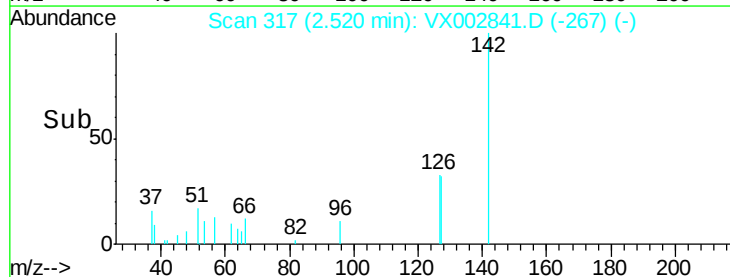
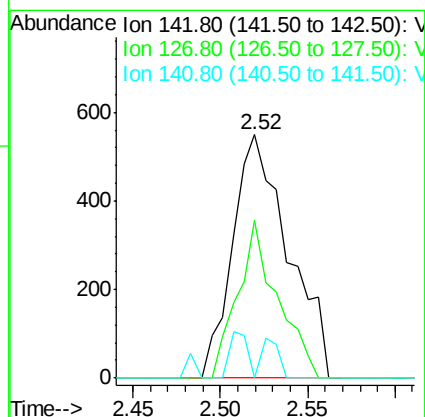
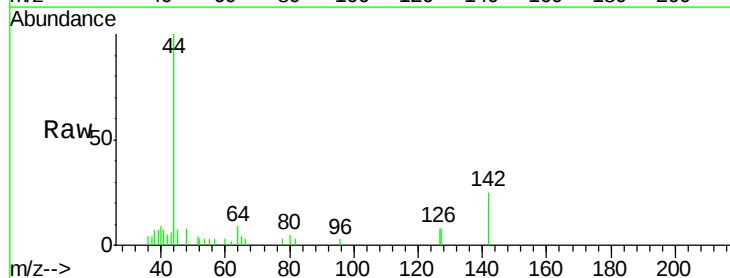
Tgt Ion:142 Resp: 1222

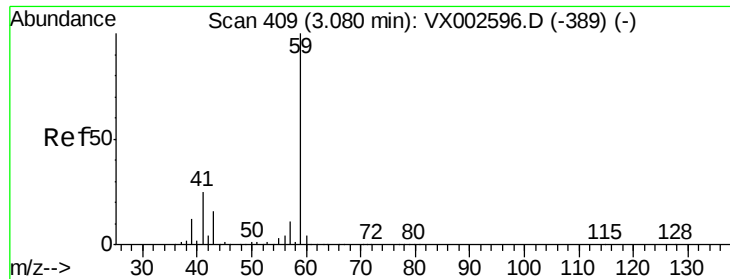
Ion Ratio Lower Upper

142 100

127 45.9 36.6 55.0

141 5.0 11.3 16.9#

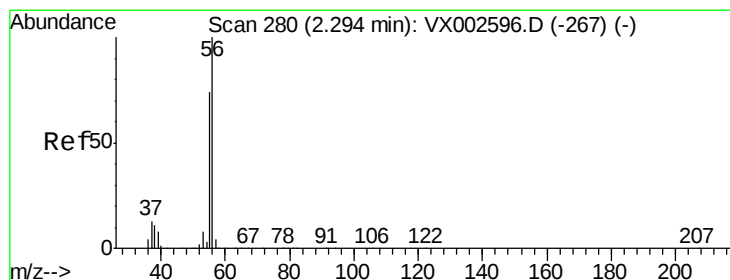
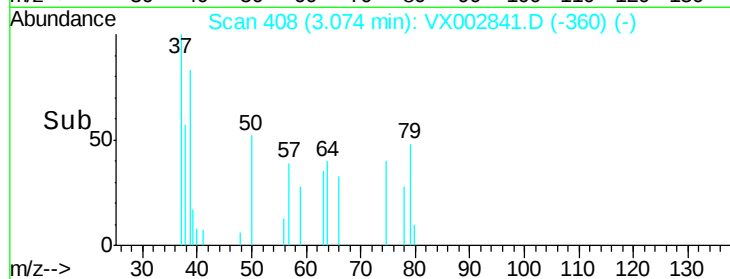
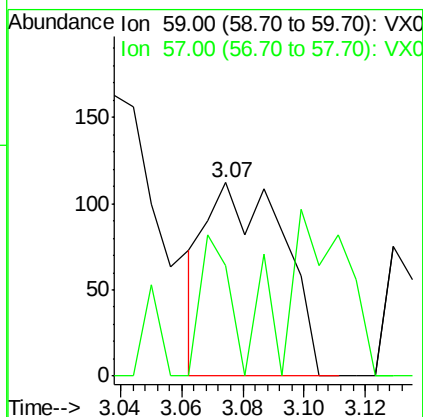
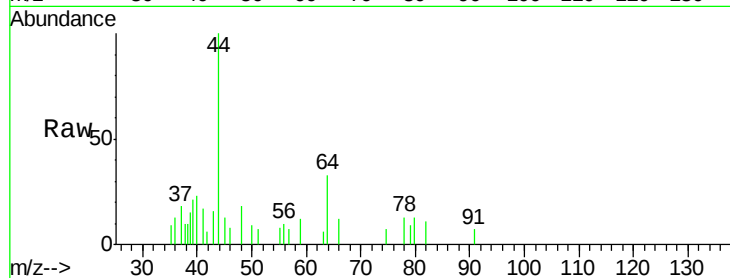




#11
Tert butyl alcohol
Concen: 0.28 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002841.D
Acq: 22 Jun 2018 19:59

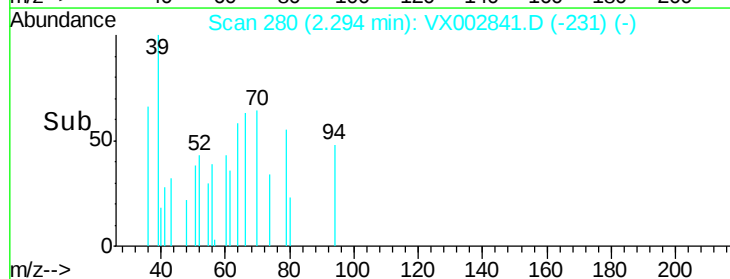
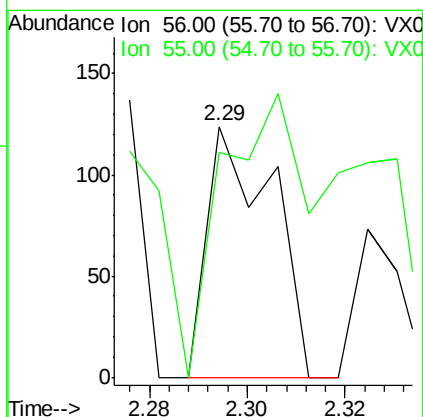
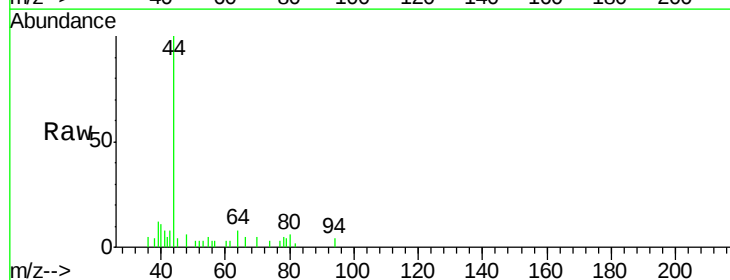
Instrument :
MSVOA_X
ClientSampled :

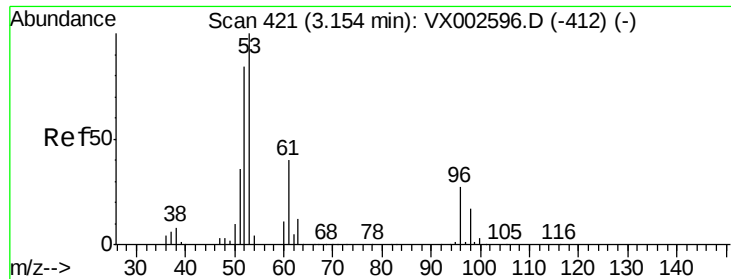
Tot Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 27.0 8.2 12.2#



#13
Acrolein
Concen: 7.20 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002841.D
Acq: 22 Jun 2018 19:59

Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 242.1 57.0 85.4#





#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002841.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_X

ClientSampled :

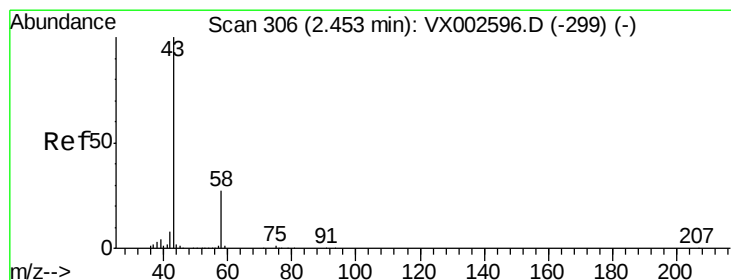
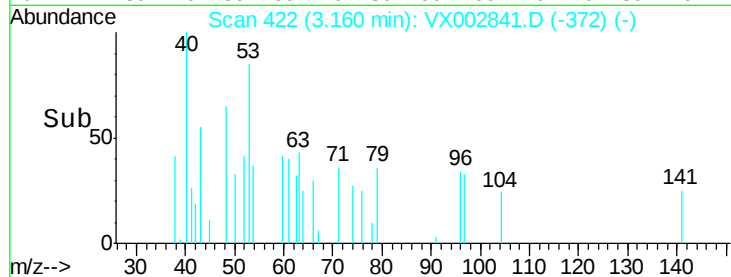
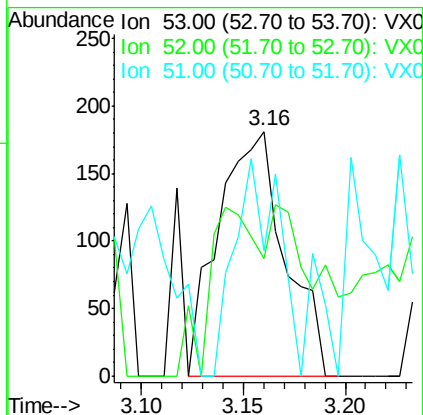
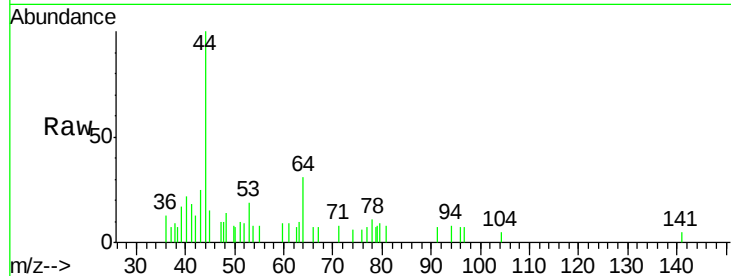
Tot Ion: 53 Resp: 412

Ion Ratio Lower Upper

53 100

52 52.4 66.7 100.1#

51 58.3 29.9 44.9#



#16

Acetone

Concen: 5.78 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002841.D

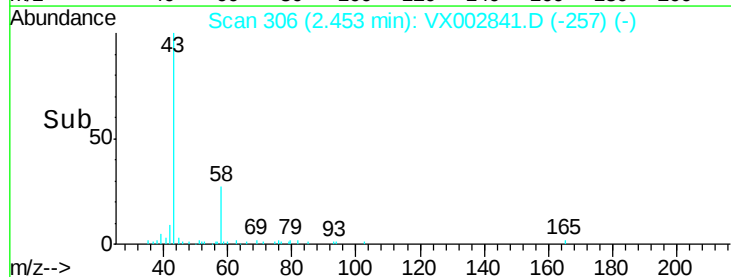
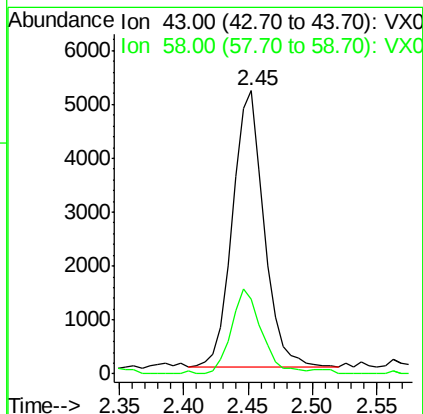
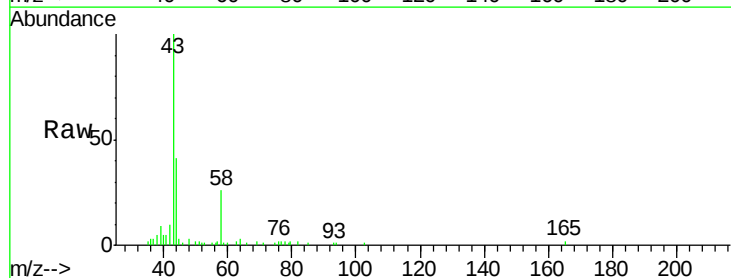
Acq: 22 Jun 2018 19:59

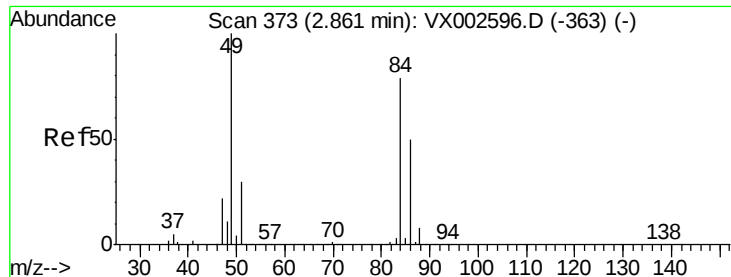
Tgt Ion: 43 Resp: 8762

Ion Ratio Lower Upper

43 100

58 26.8 22.1 33.1





#20

Methylene Chloride

Concen: 0.45 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002841.D

Acq: 22 Jun 2018 19:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 1399

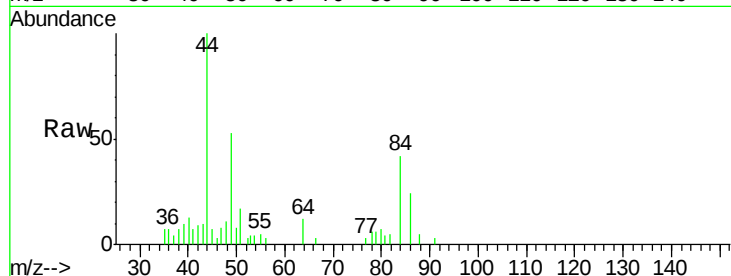
Ion	Ratio	Lower	Upper
84	100		
49	128.1	107.8	161.6
51	41.3	32.8	49.2
86	57.8	52.5	78.7

84 100

49 128.1 107.8 161.6

51 41.3 32.8 49.2

86 57.8 52.5 78.7

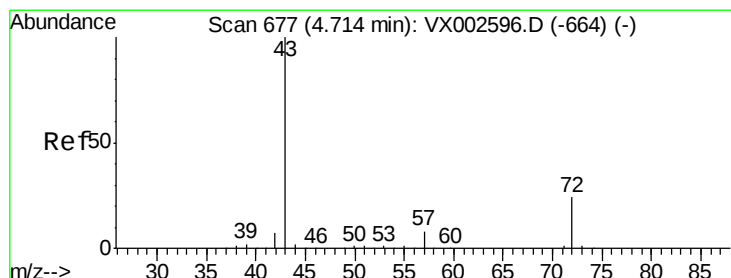
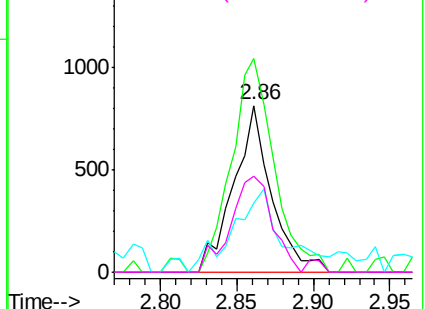
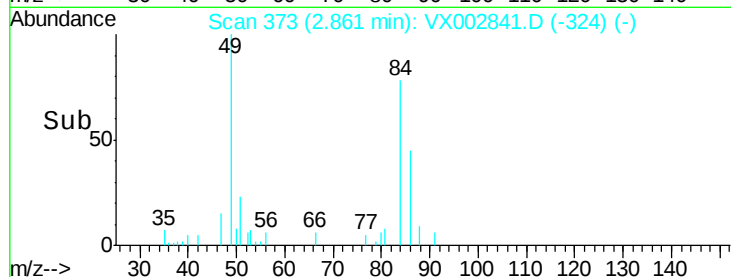


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002841.D

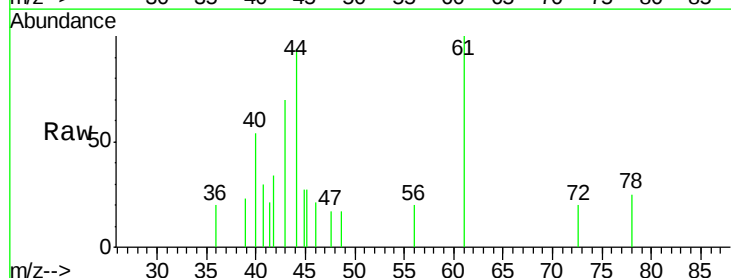
Acq: 22 Jun 2018 19:59

Tgt Ion: 43 Resp: 484

Ion	Ratio	Lower	Upper
43	100		
72	28.2	18.5	27.7#

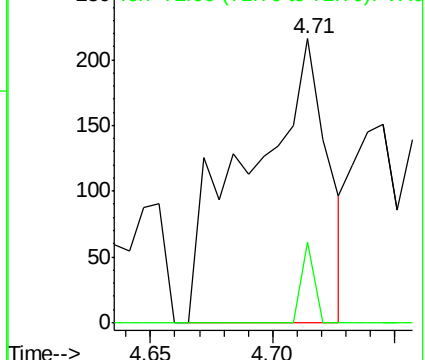
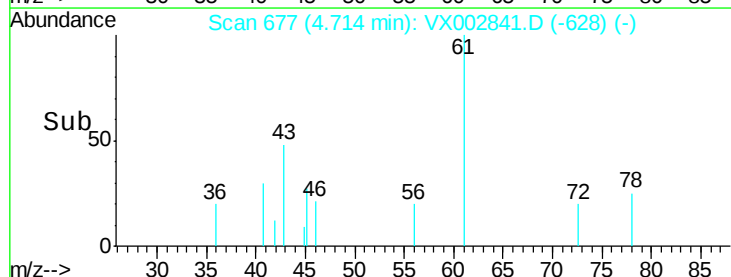
43 100

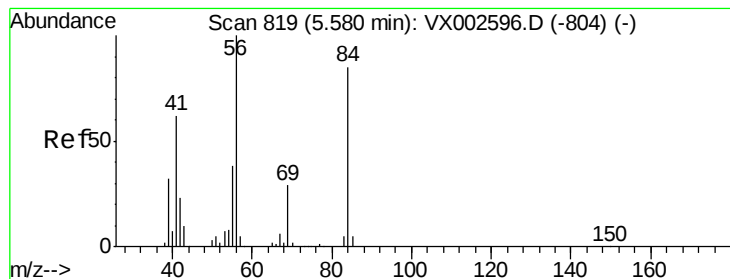
72 28.2 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.16 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002841.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_X

ClientSampleId :

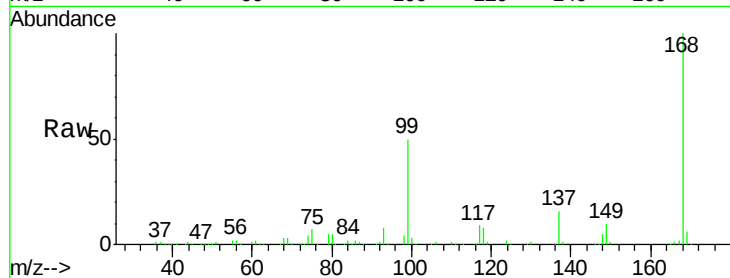
Tot Ion: 56 Resp: 4701

Ion Ratio Lower Upper

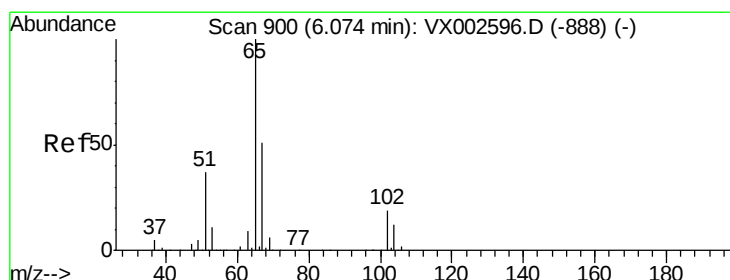
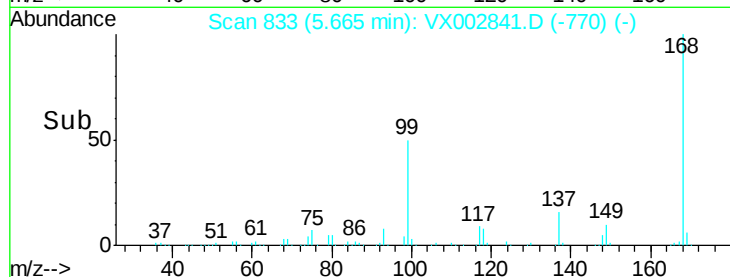
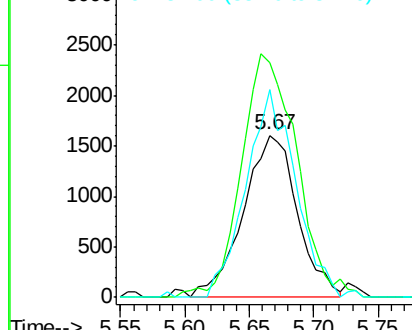
56 100

69 140.9 23.7 35.5#

84 128.2 64.1 96.1#



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: 45.45 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002841.D

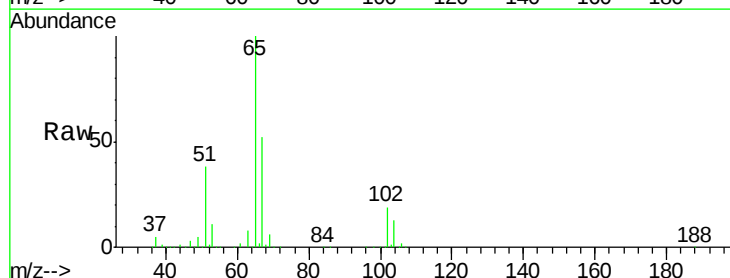
Acq: 22 Jun 2018 19:59

Tgt Ion: 65 Resp: 156151

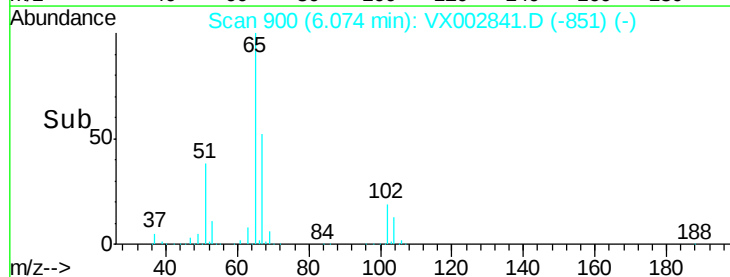
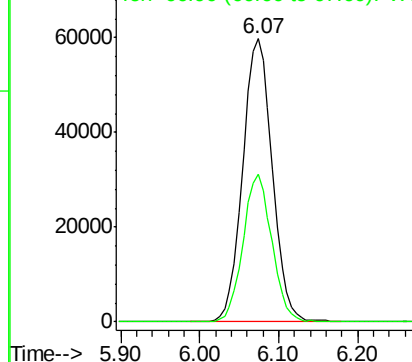
Ion Ratio Lower Upper

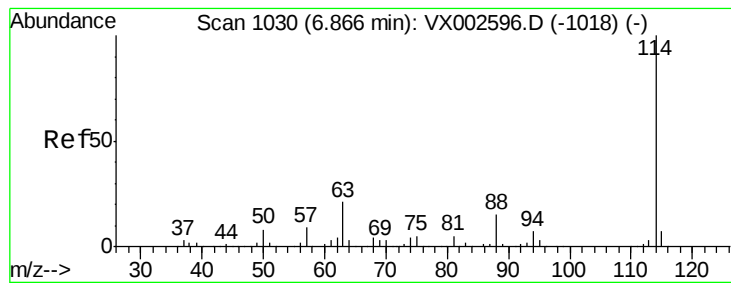
65 100

67 50.9 0.0 102.6



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: VX002841.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_X

ClientSampleId :

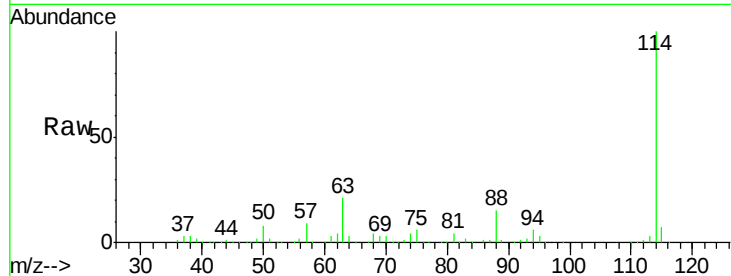
Tot Ion:114 Resp: 319387

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

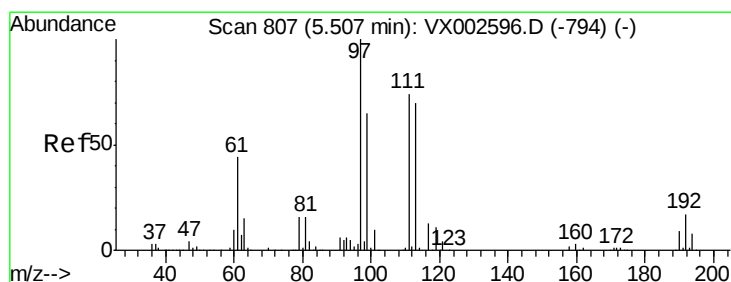
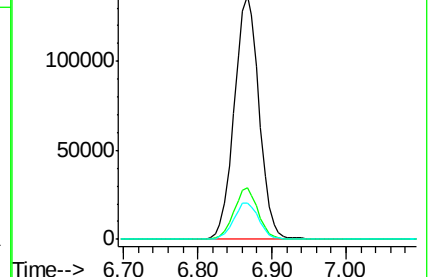
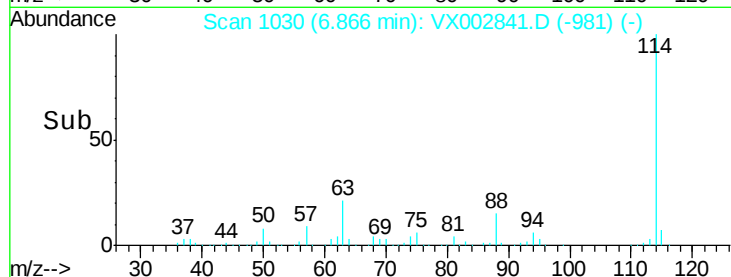
88 14.8 0.0 30.0



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: 47.61 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002841.D

Acq: 22 Jun 2018 19:59

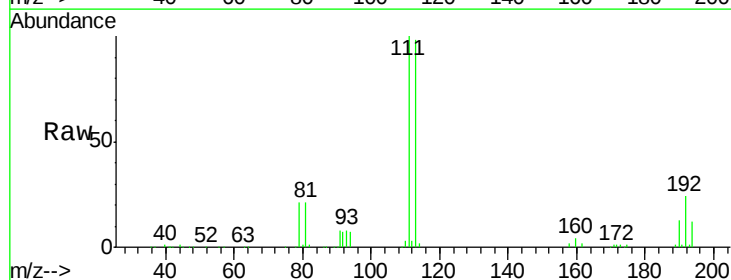
Tgt Ion:113 Resp: 121350

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

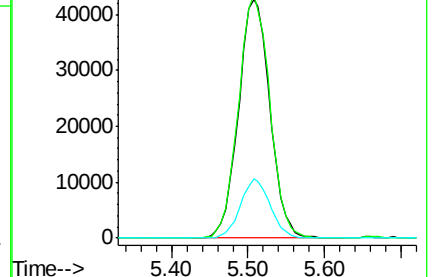
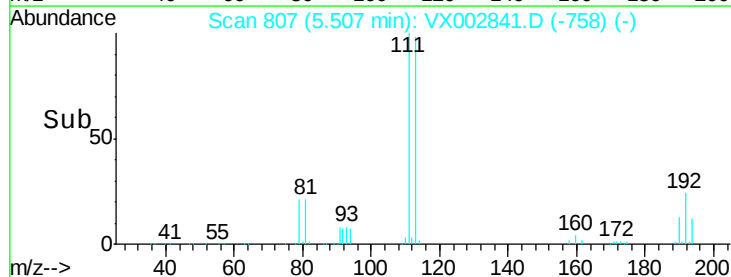
192 23.8 19.1 28.7

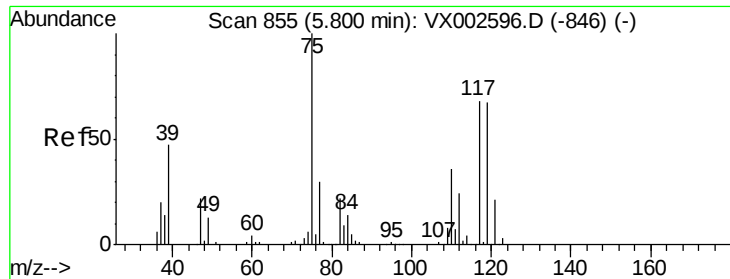


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

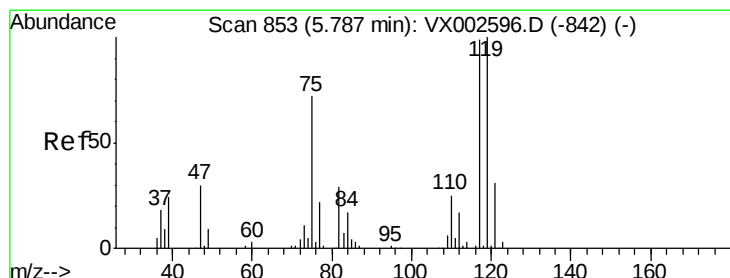
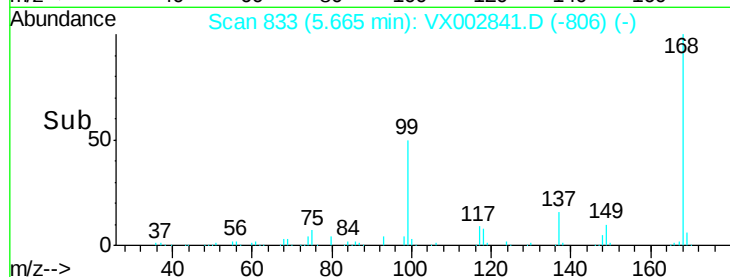
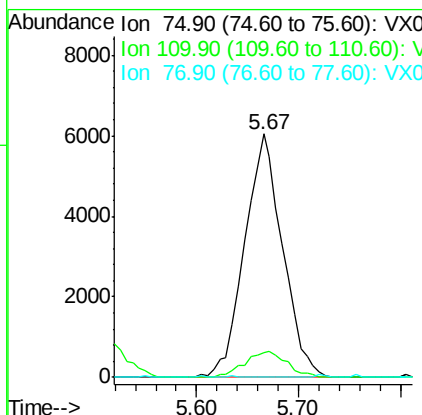
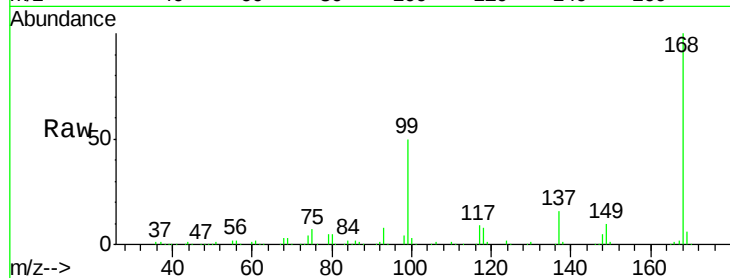




#36
 1,1-Dichloropropene
 Concen: 4.60 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002841.D
 Acq: 22 Jun 2018 19:59

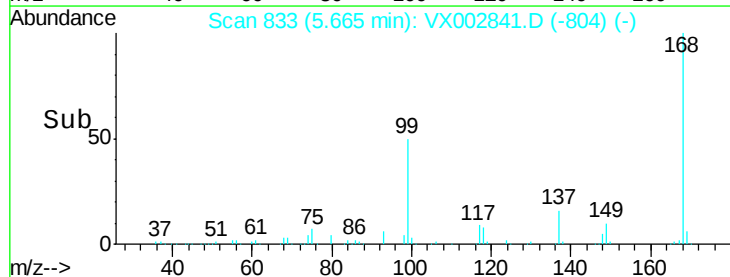
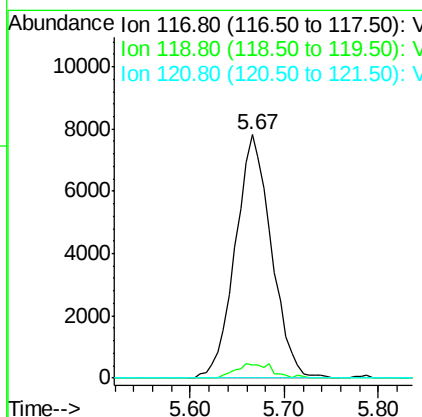
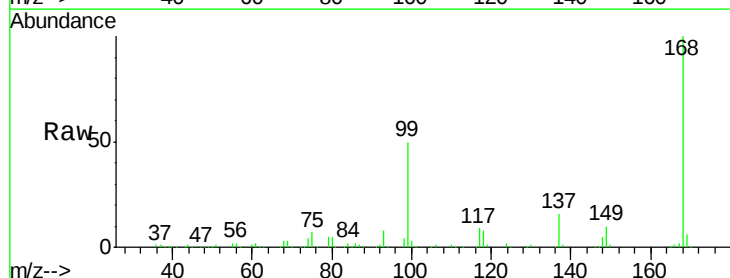
Instrument :
 MSVOA_X
 ClientSampleId :

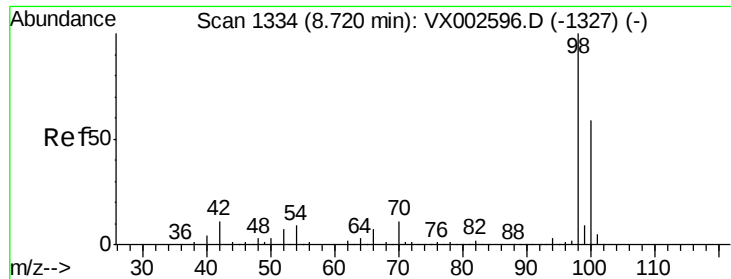
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.8	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.17 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002841.D
 Acq: 22 Jun 2018 19:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.4	116.0#
121	0.0	24.4	36.6#

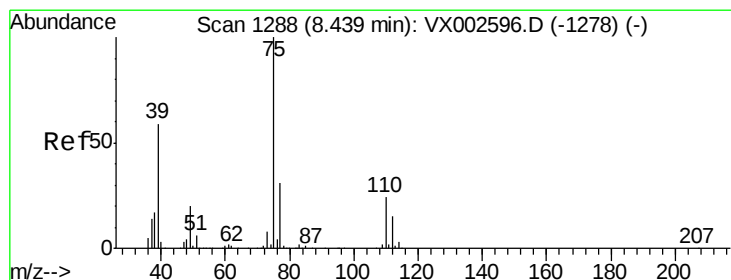
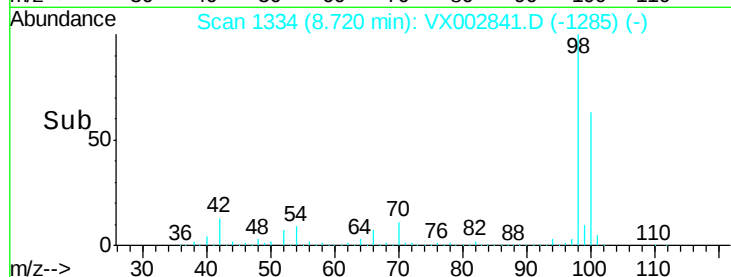
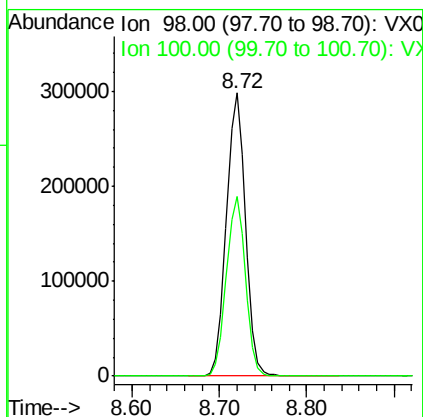
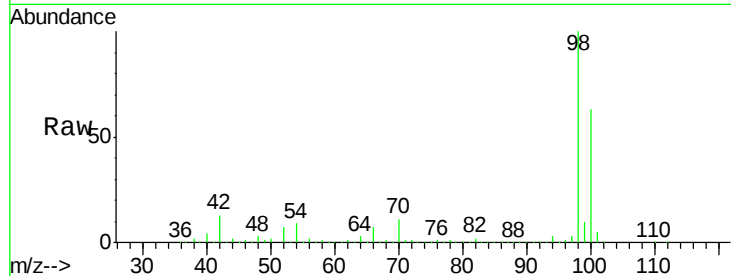




#50
Toluene-d8
Concen: 46.70 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002841.D
Acq: 22 Jun 2018 19:59

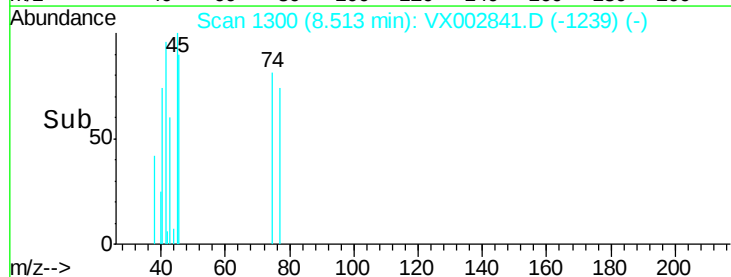
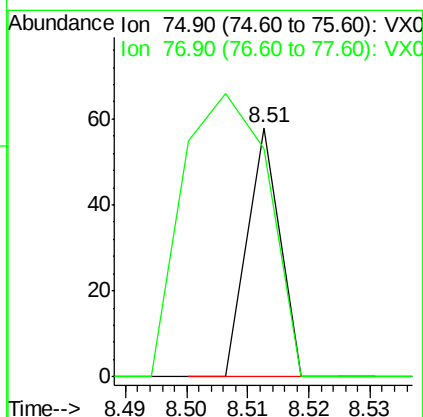
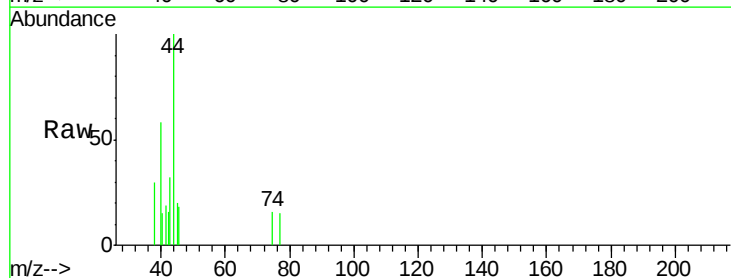
Instrument :
MSVOA_X
ClientSampled :

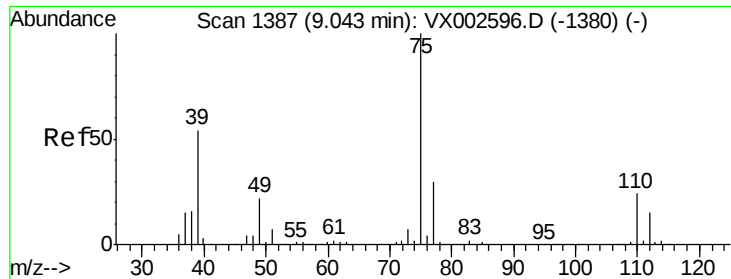
Tot Ion: 98 Resp: 451954
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.51 min Scan# 1300
Delta R.T. 0.07 min
Lab File: VX002841.D
Acq: 22 Jun 2018 19:59

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 91.4 25.4 38.2#

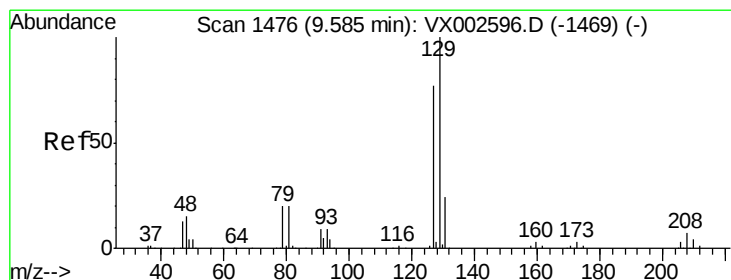
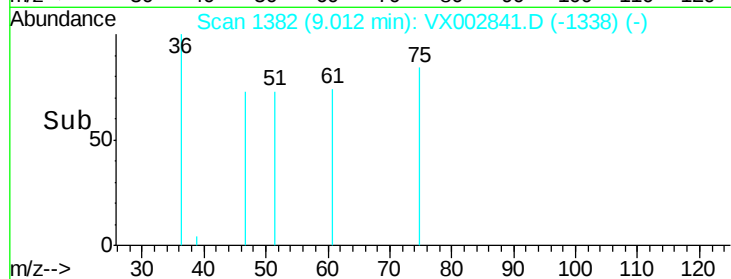
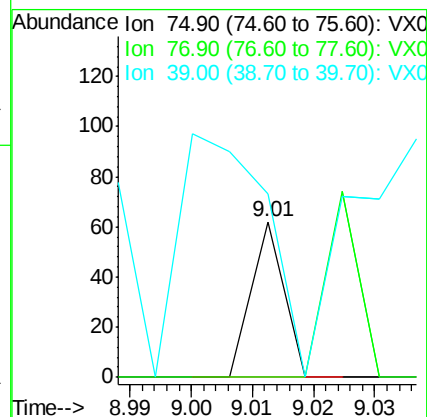
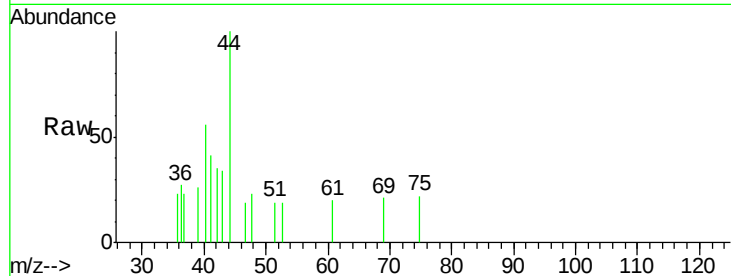




#54
 cis-1,3-Dichloropropene
 Concen: 3.22 ug/l
 RT: 9.01 min Scan# 1382
 Delta R.T. -0.03 min
 Lab File: VX002841.D
 Acq: 22 Jun 2018 19:59

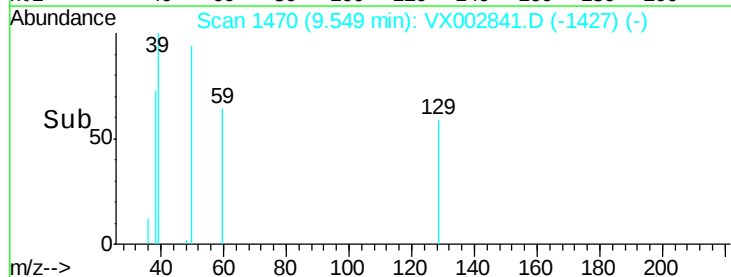
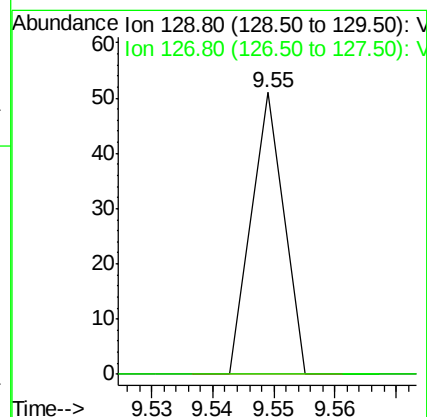
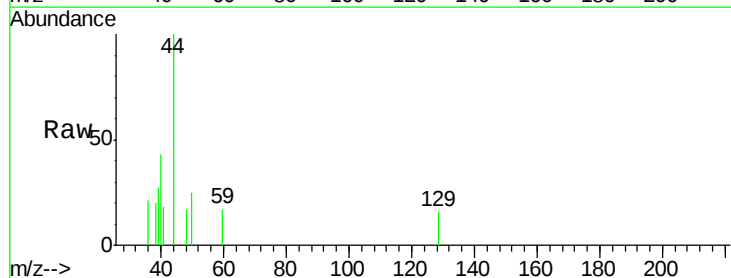
Instrument :
 MSVOA_X
 ClientSampleId :

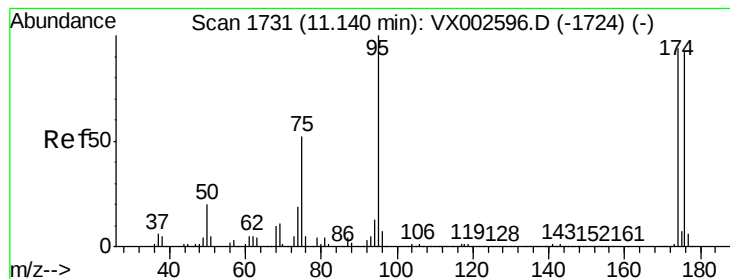
Tot Ion: 75 Resp: 23
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 1.6 42.4 63.6#



#60
 Dibromochloromethane
 Concen: 3.77 ug/l
 RT: 9.55 min Scan# 1470
 Delta R.T. -0.04 min
 Lab File: VX002841.D
 Acq: 22 Jun 2018 19:59

Tgt Ion: 129 Resp: 19
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 43.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002841.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_X

ClientSampleId :

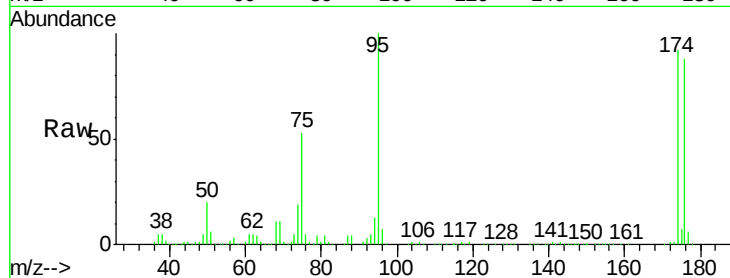
Tot Ion: 95 Resp: 158746

Ion Ratio Lower Upper

95 100

174 95.3 0.0 187.4

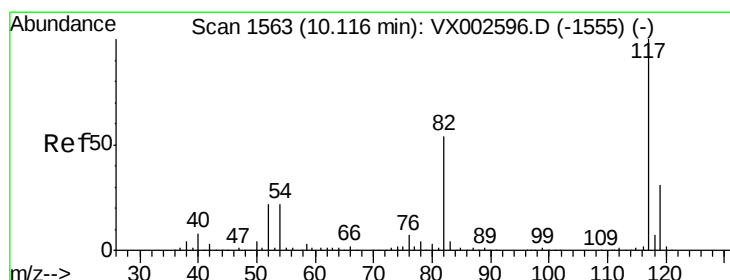
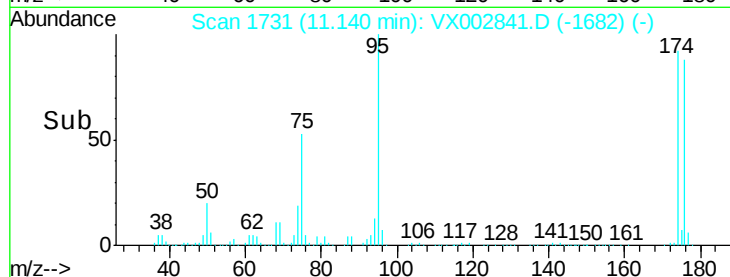
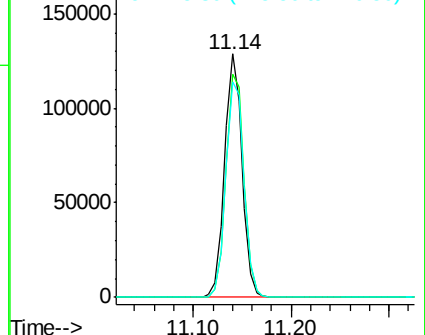
176 92.8 0.0 181.0



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: VX002841.D

Acq: 22 Jun 2018 19:59

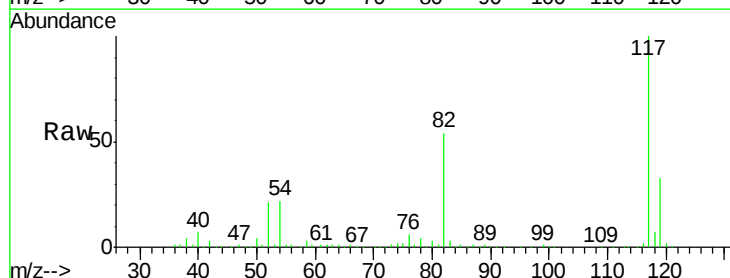
Tgt Ion: 117 Resp: 298469

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.4

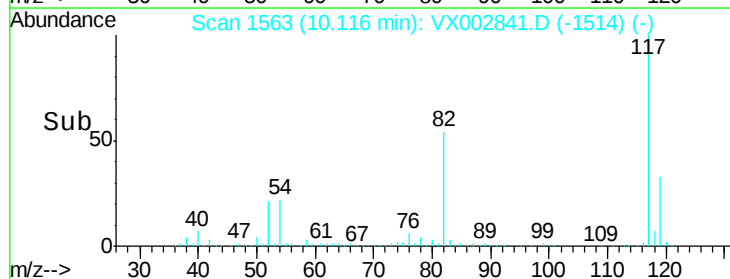
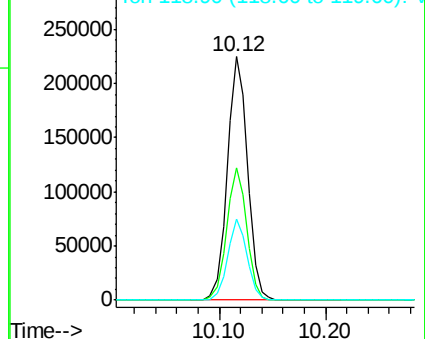
119 33.4 25.8 38.6

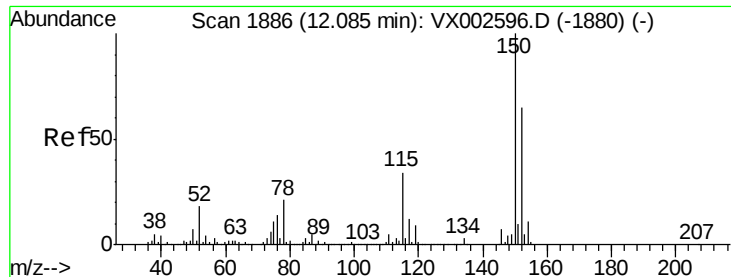


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002841.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_X

ClientSampleId :

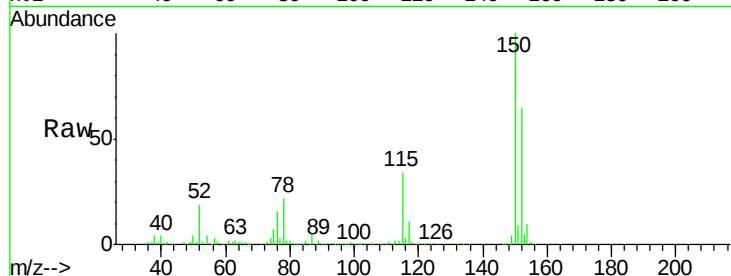
Tot Ion:152 Resp: 166709

Ion Ratio Lower Upper

152 100

115 54.2 40.1 120.2

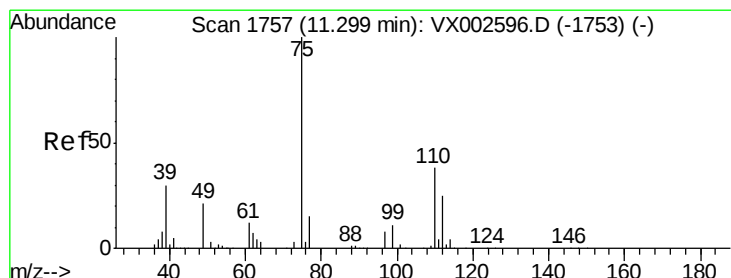
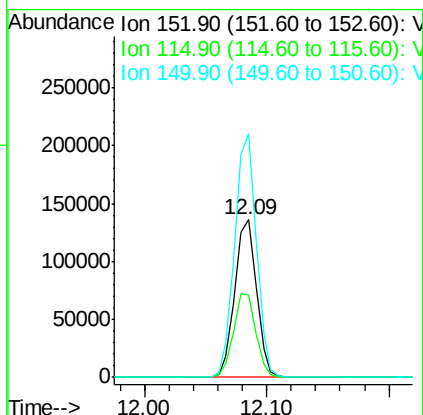
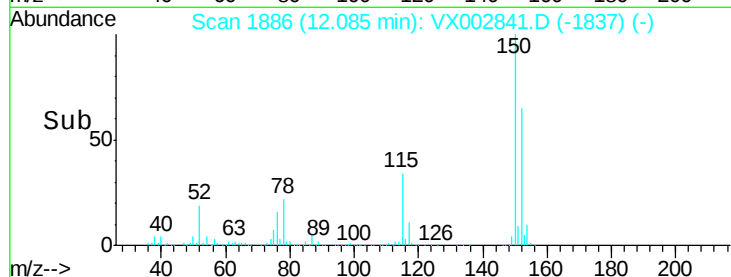
150 153.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002841.D

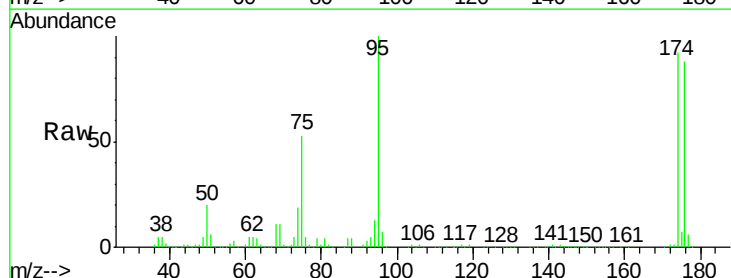
Acq: 22 Jun 2018 19:59

Tgt Ion: 75 Resp: 82962

Ion Ratio Lower Upper

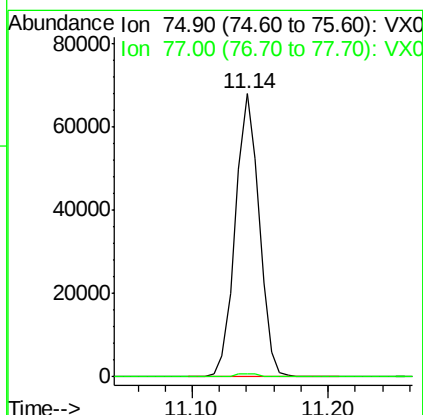
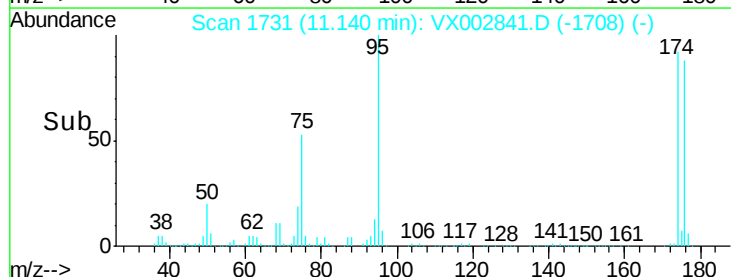
75 100

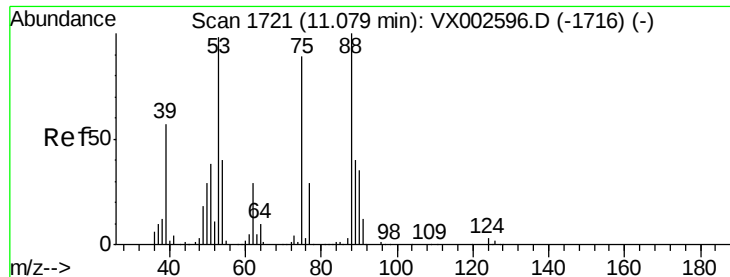
77 1.3 22.8 68.3#



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: 81.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002841.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_X

ClientSampleId :

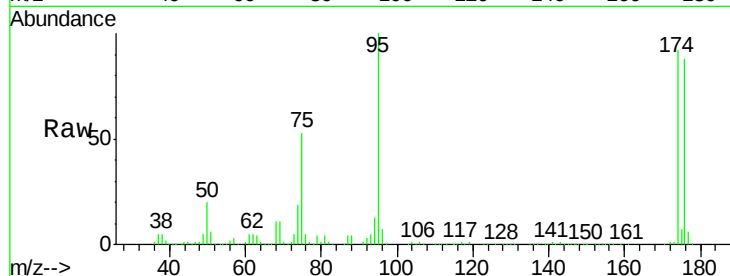
Tot Ion: 75 Resp: 82962

Ion Ratio Lower Upper

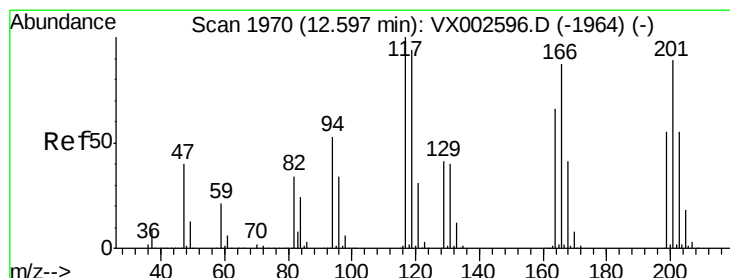
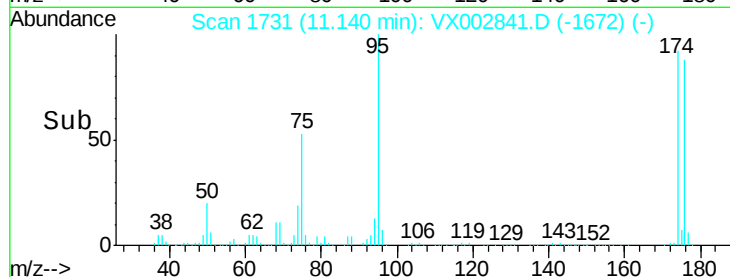
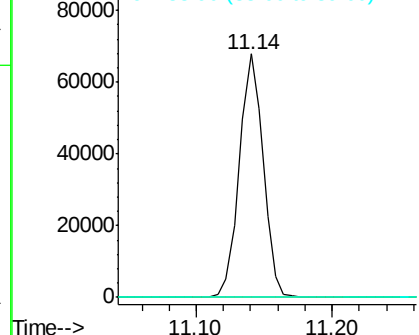
75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



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



#90

Hexachloroethane

Concen: 2.64 ug/l

RT: 12.71 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VX002841.D

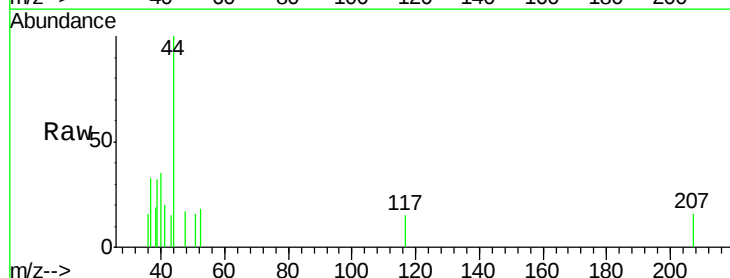
Acq: 22 Jun 2018 19:59

Tgt Ion: 117 Resp: 18

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

