

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060818\
 Data File : VX002398.D
 Acq On : 08 Jun 2018 13:29
 Operator : JC/MD
 Sample : VX0608WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL02

Quant Time: Jun 09 01:47:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346257	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	169849	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	185595	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
35) Dibromofluoromethane	5.51	113	139212	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	8.72	98	547890	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.14	95	187713	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	

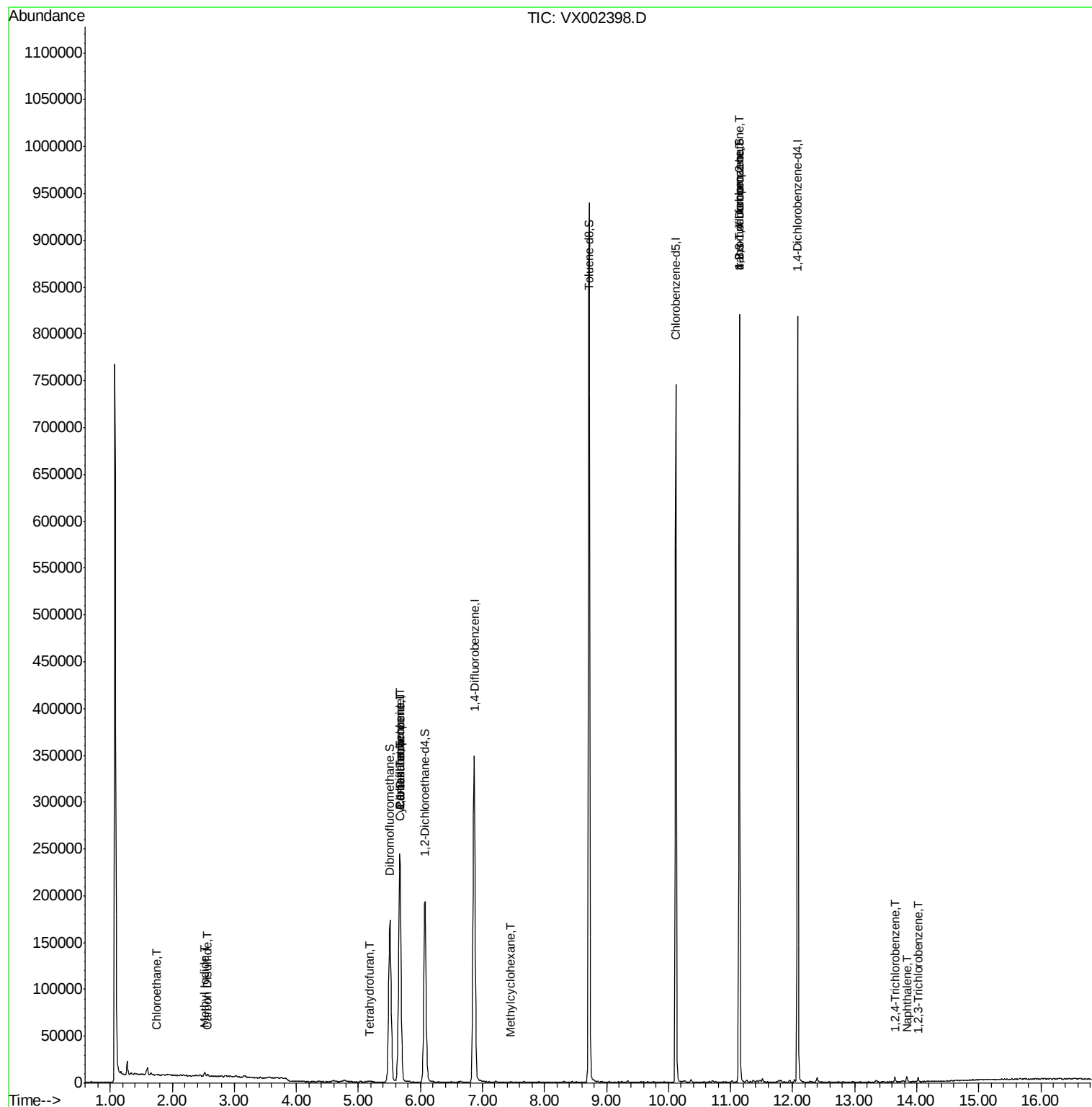
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	692	Below Cal	#	79
5) Bromomethane	1.66	94	1789	Below Cal	#	90
6) Chloroethane	1.73	64	1018	0.51	ug/l	# 64
8) Diethyl Ether	2.20	74	140	Below Cal	#	75
10) Methyl Iodide	2.53	142	4561	1.27	ug/l	97
11) Tert butyl alcohol	3.10	59	41	Below Cal	#	1
13) Acrolein	2.29	56	333	Below Cal	#	66
15) Acrylonitrile	3.15	53	1415	Below Cal	#	86
16) Acetone	2.45	43	1000	Below Cal	#	55
17) Carbon Disulfide	2.57	76	2621	0.39	ug/l	96
18) Methyl Acetate	2.78	43	640	Below Cal	#	78
19) Methyl tert-butyl Ether	3.22	73	79	Below Cal	#	54
20) Methylene Chloride	2.87	84	639	Below Cal	#	89
22) Diisopropyl ether	3.87	45	156	Below Cal	#	69
28) Bromochloromethane	5.01	49	162	Below Cal	#	23
29) Tetrahydrofuran	5.18	42	1045	0.70	ug/l	# 78
31) Cyclohexane	5.68	56	4816	1.12	ug/l	# 32
36) 1,1-Dichloropropene	5.67	75	16863	4.63	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	22440	5.89	ug/l	# 15
39) Methylcyclohexane	7.46	83	202	0.31	ug/l	# 62
76) 1,2,3-Trichloropropane	11.14	75	101391	27.20	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	101391	95.36	ug/l	# 6
93) 1,2,4-Trichlorobenzene	13.65	180	1088	0.25	ug/l	97
95) Naphthalene	13.84	128	3119	0.25	ug/l	94
96) 1,2,3-Trichlorobenzene	14.02	180	1063	0.24	ug/l	98

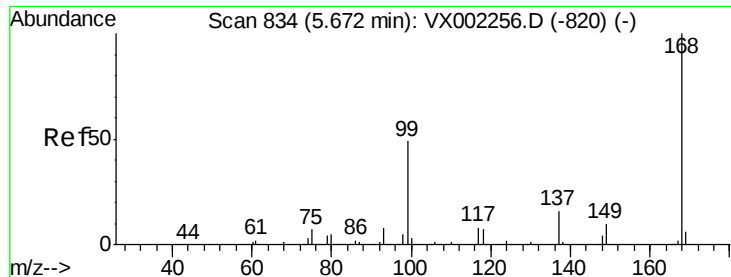
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060818\
Data File : VX002398.D
Acq On : 08 Jun 2018 13:29
Operator : JC/MD
Sample : VX0608WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL02

Quant Time: Jun 09 01:47:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

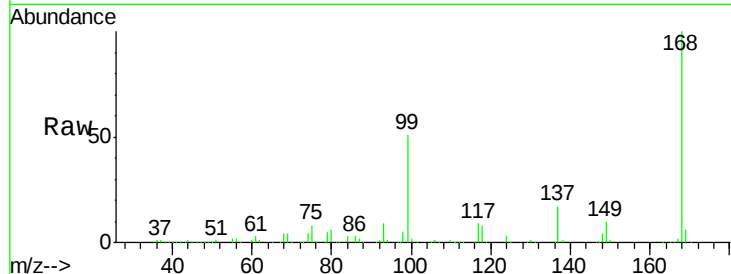
VX0608WBL02

Tot Ion:168 Resp: 237678

Ion Ratio Lower Upper

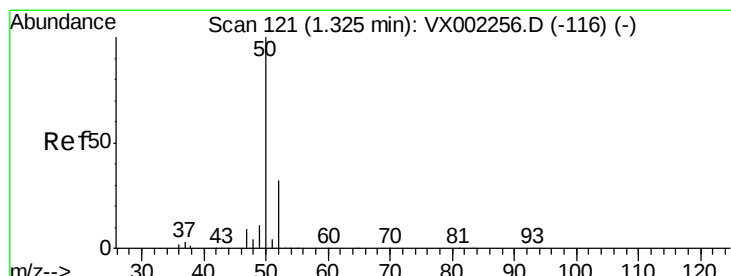
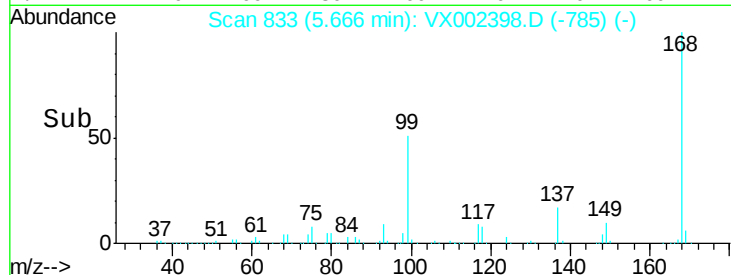
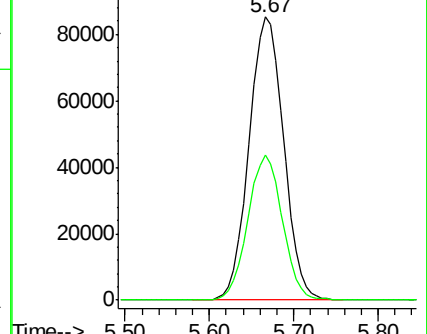
168 100

99 51.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002398.D

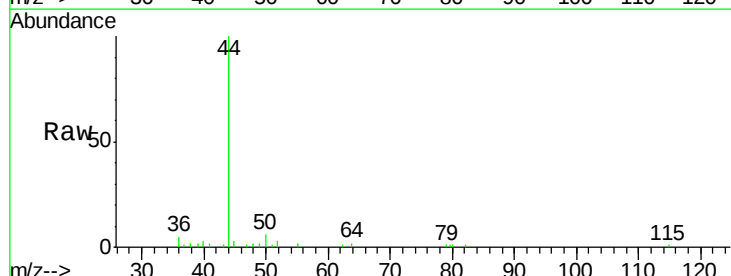
Acq: 08 Jun 2018 13:29

Tgt Ion: 50 Resp: 692

Ion Ratio Lower Upper

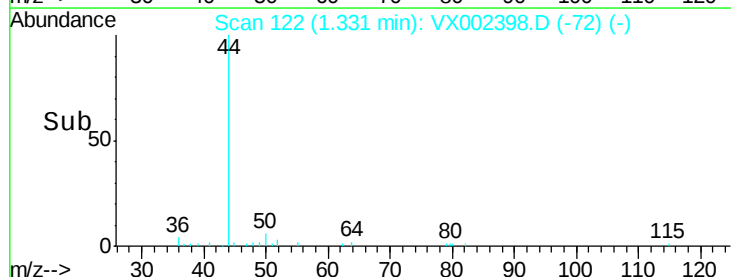
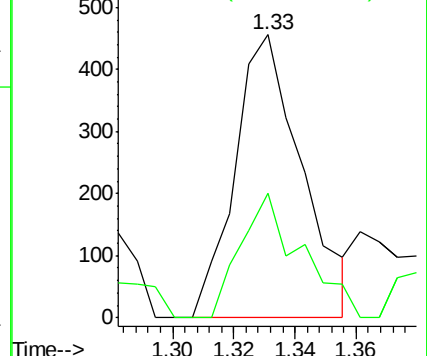
50 100

52 43.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

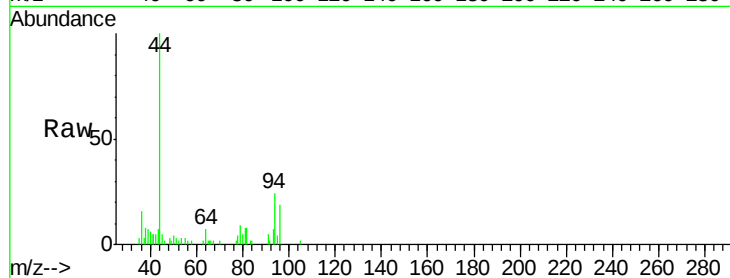
VX0608WBL02

Tot Ion: 94 Resp: 1789

Ion Ratio Lower Upper

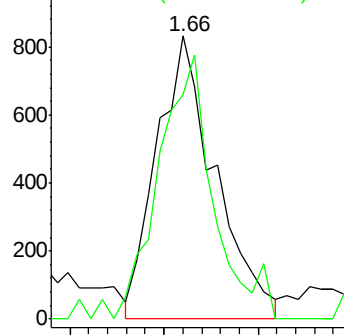
94 100

96 84.4 74.9 112.3

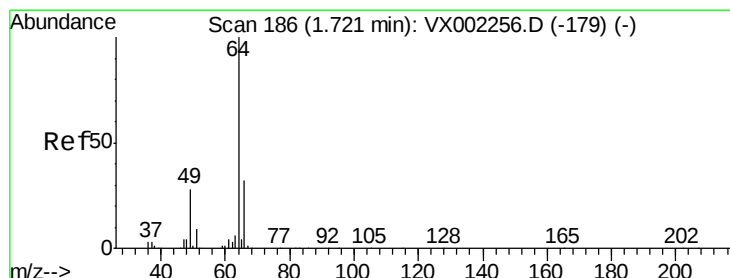
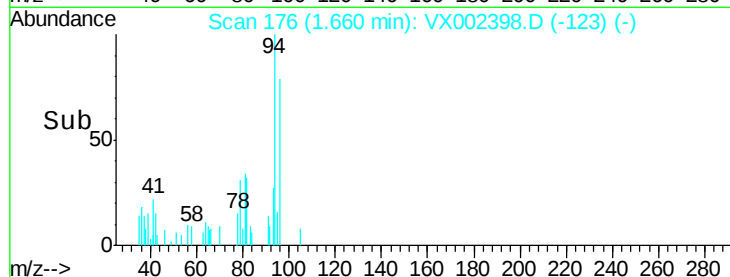


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.51 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX002398.D

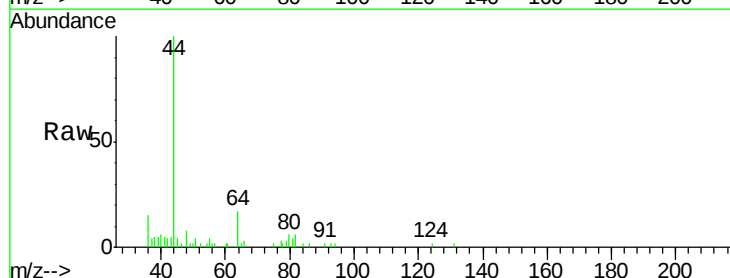
Acq: 08 Jun 2018 13:29

Tgt Ion: 64 Resp: 1018

Ion Ratio Lower Upper

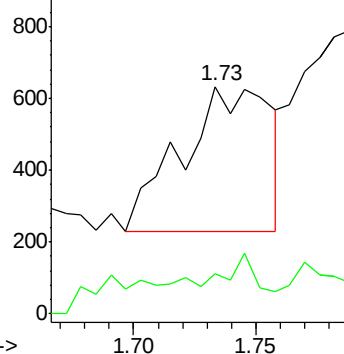
64 100

66 11.7 25.5 38.3#

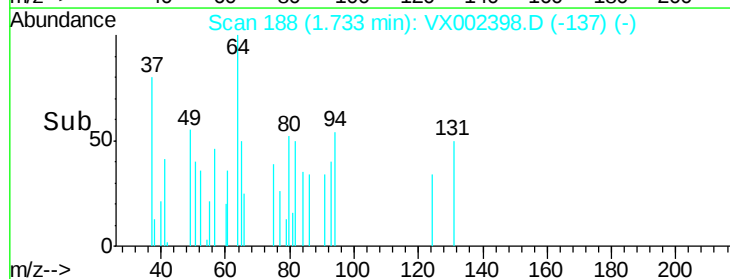


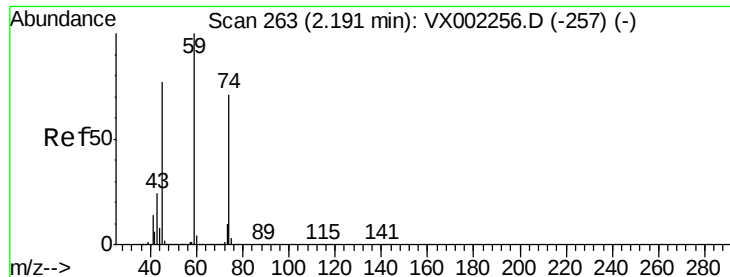
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

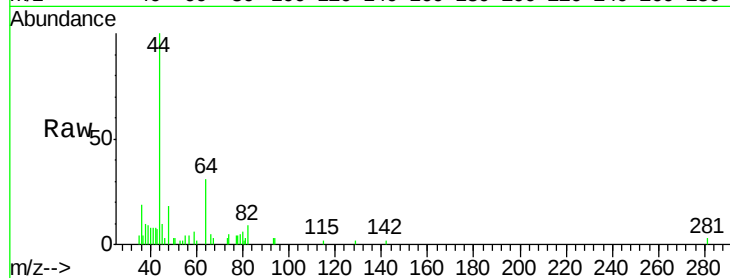
VX0608WBL02

Tot Ion: 74 Resp: 140

Ion Ratio Lower Upper

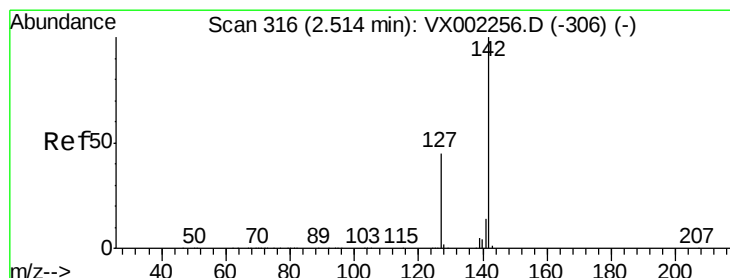
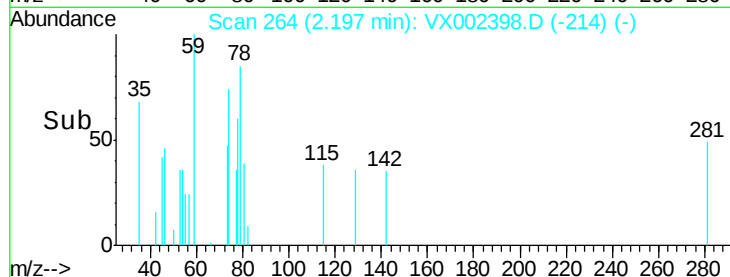
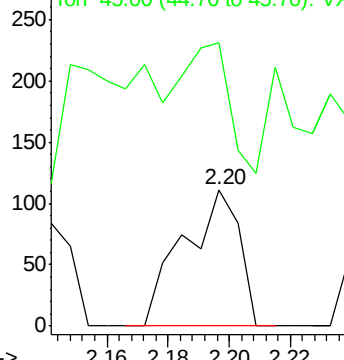
74 100

45 80.7 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 1.27 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

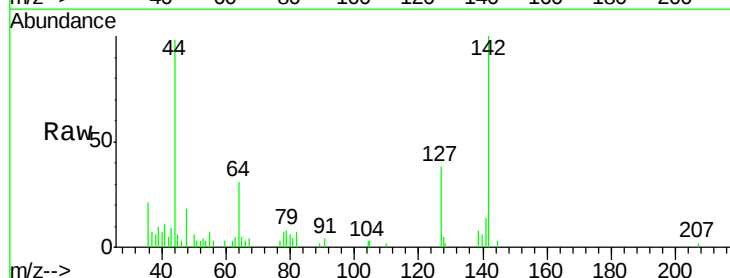
Tgt Ion: 142 Resp: 4561

Ion Ratio Lower Upper

142 100

127 47.8 36.6 55.0

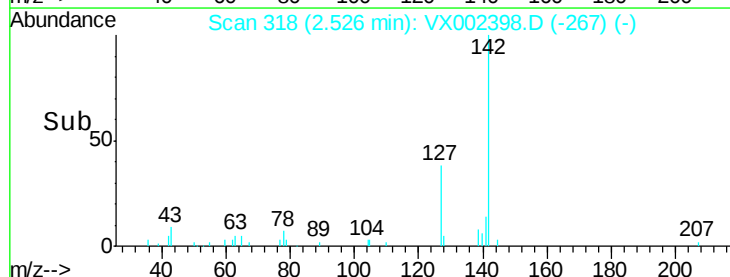
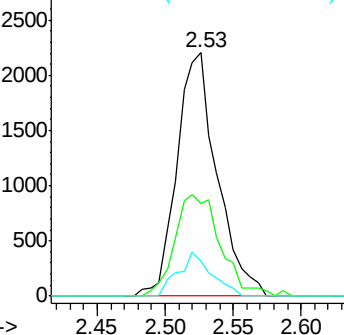
141 15.0 11.3 16.9

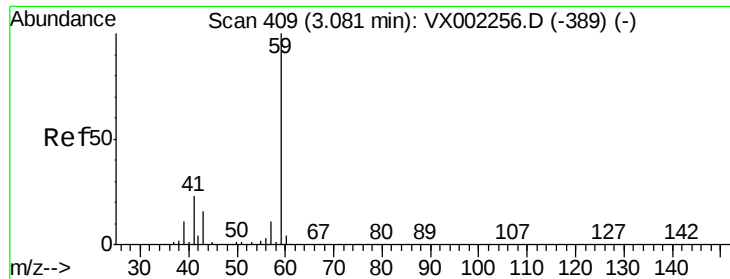


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

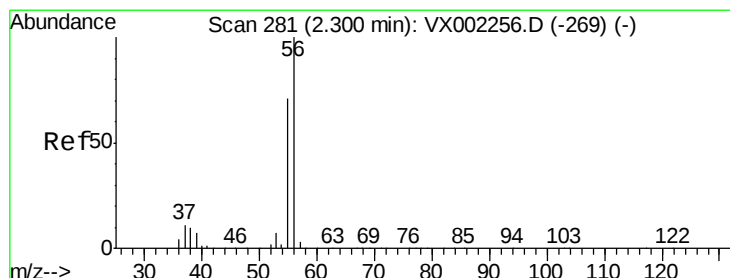
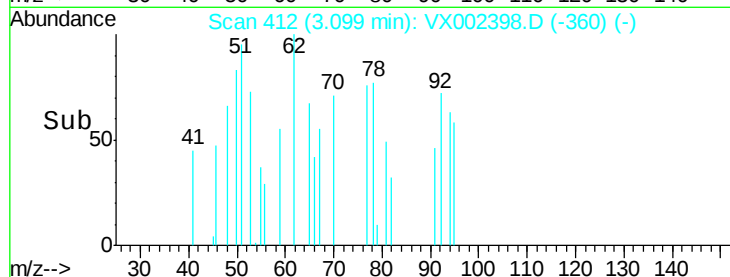
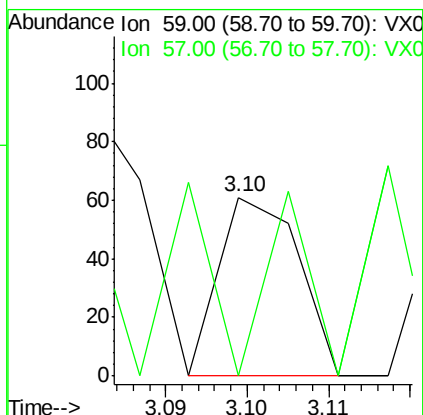
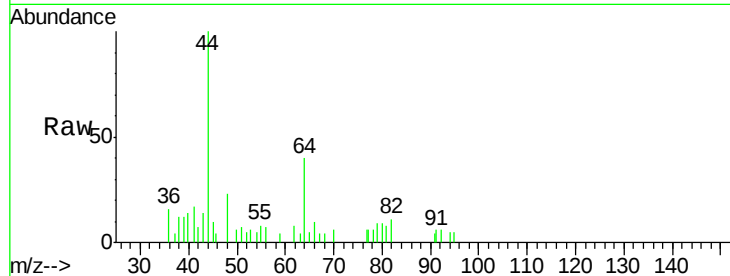




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

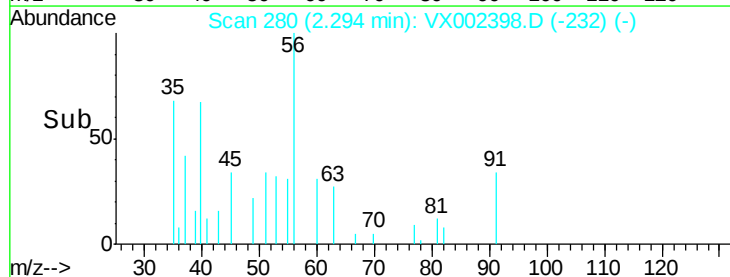
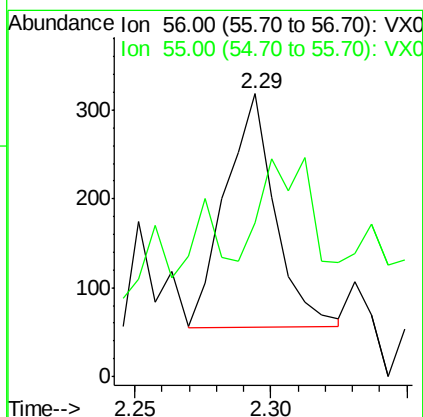
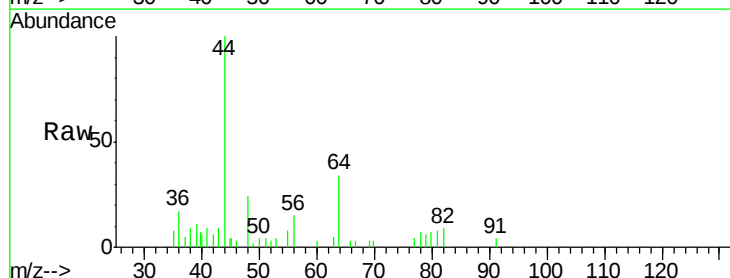
Instrument :
MSVOA_X
ClientSampled :
VX0608WBL02

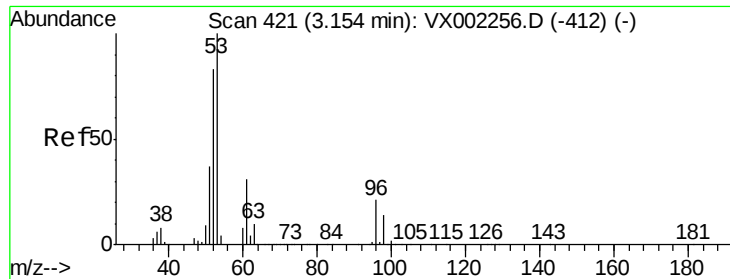
Tot Ion: 59 Resp: 41
Ion Ratio Lower Upper
59 100
57 56.1 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

Tgt Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 42.9 57.0 85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampled :

VX0608WBL02

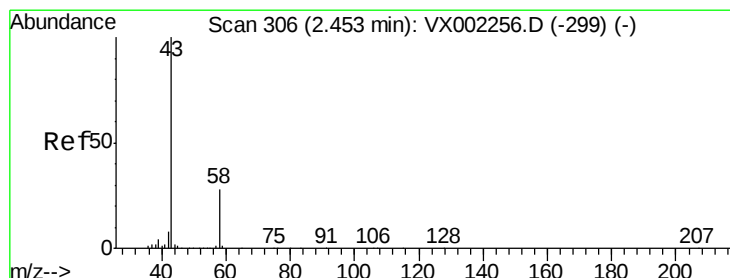
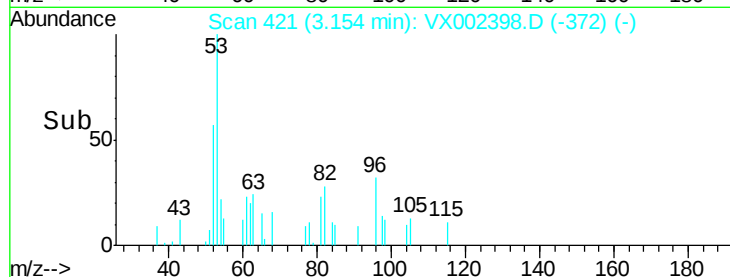
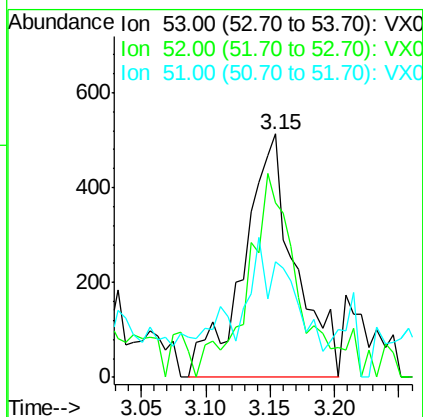
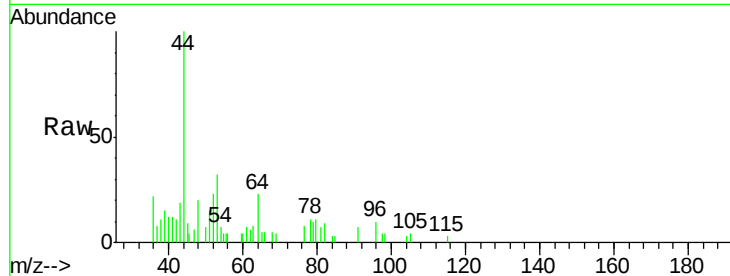
Tot Ion: 53 Resp: 1415

Ion Ratio Lower Upper

53 100

52 84.7 66.7 100.1

51 12.4 29.9 44.9#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002398.D

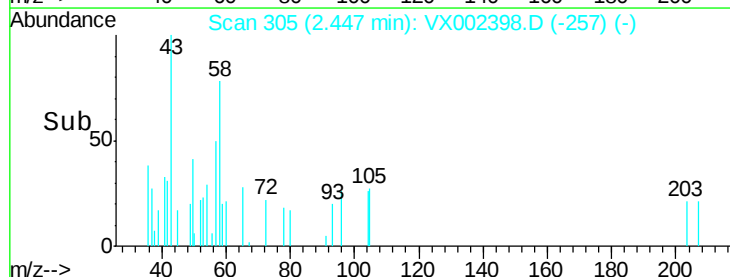
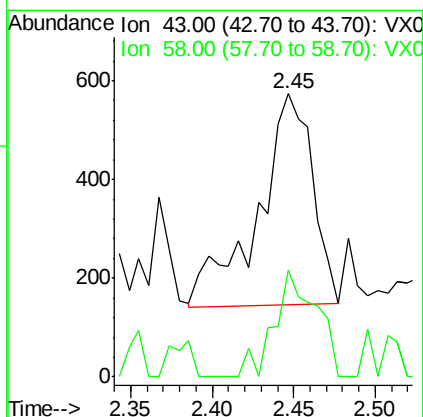
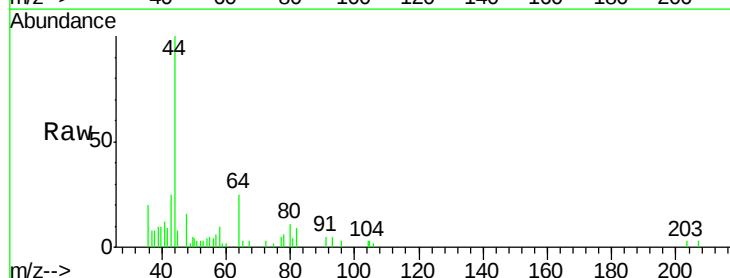
Acq: 08 Jun 2018 13:29

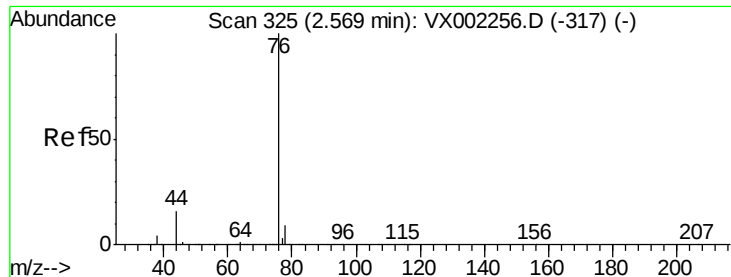
Tgt Ion: 43 Resp: 1000

Ion Ratio Lower Upper

43 100

58 51.1 22.1 33.1#

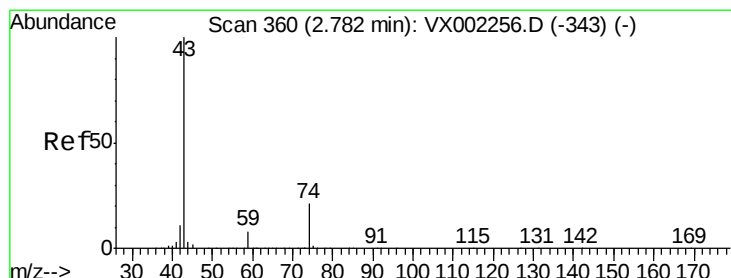
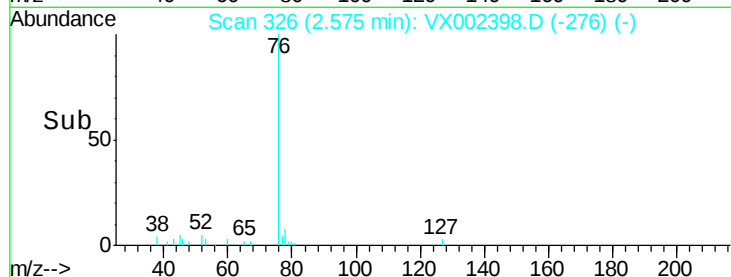
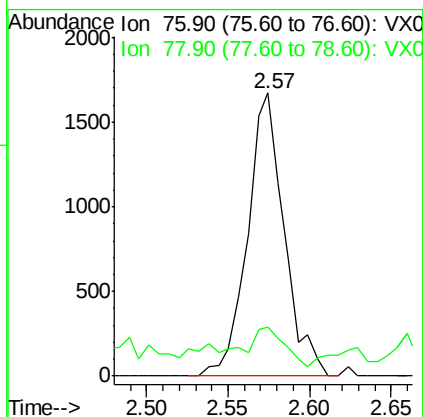
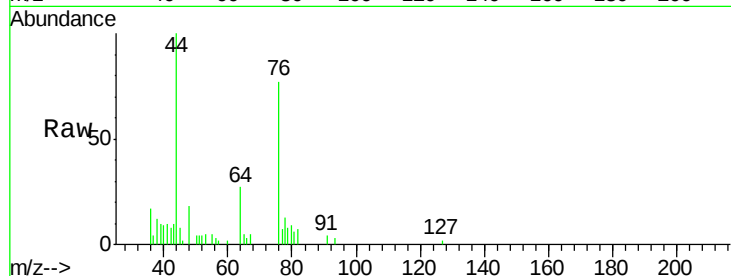




#17
Carbon Disulfide
Concen: 0.39 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

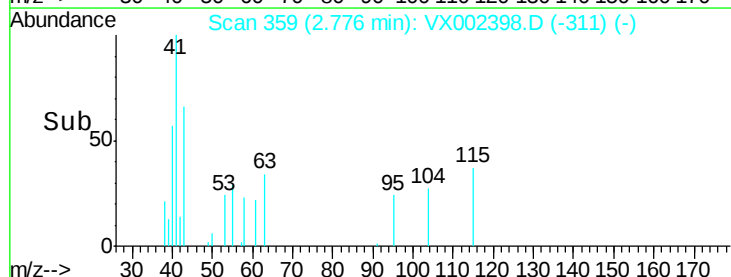
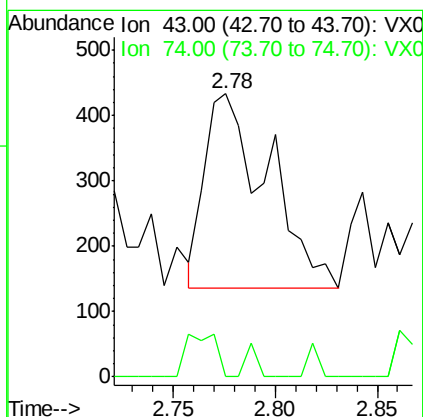
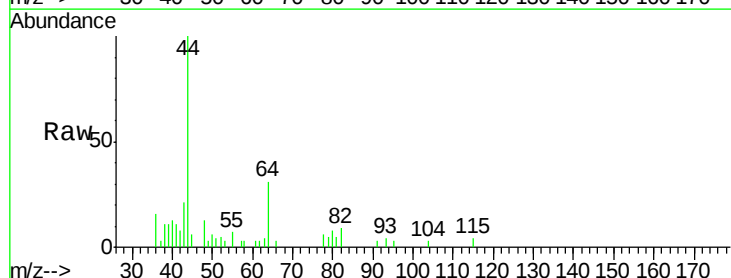
Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL02

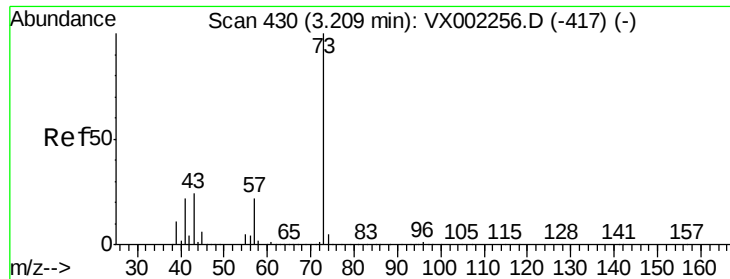
Tot Ion: 76 Resp: 2621
Ion Ratio Lower Upper
76 100
78 9.9 6.9 10.3



#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
74 10.6 16.7 25.1#

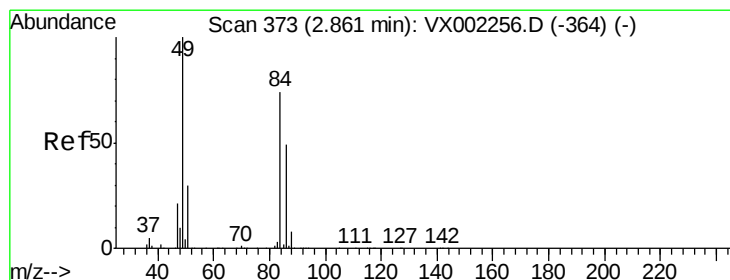
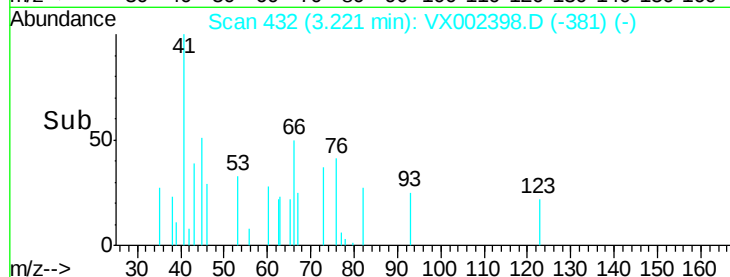
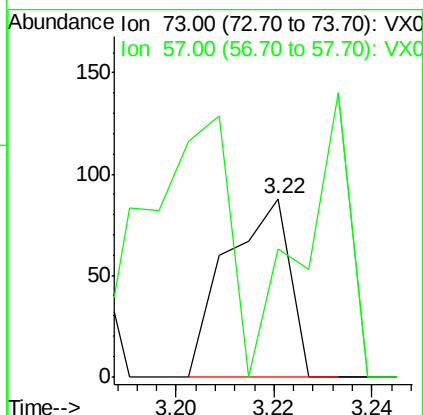
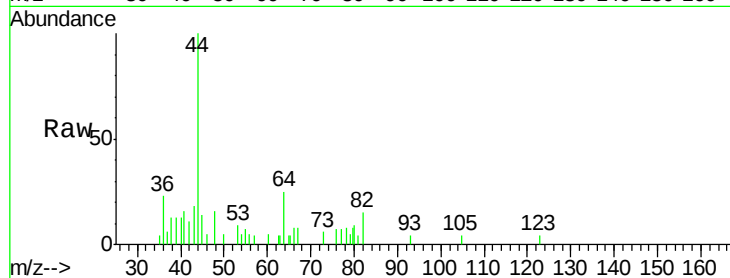




#19
Methvl tert-butvl Ether
Concen: Below Cal
RT: 3.22 min Scan# 432
Delta R.T. 0.01 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

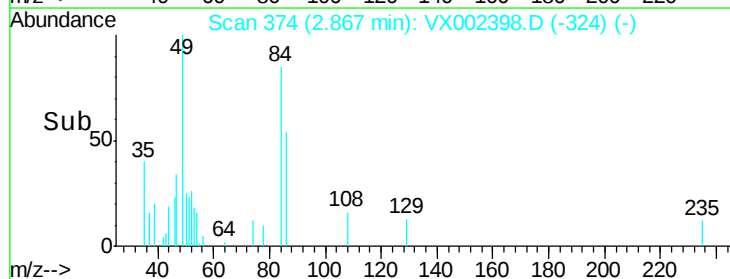
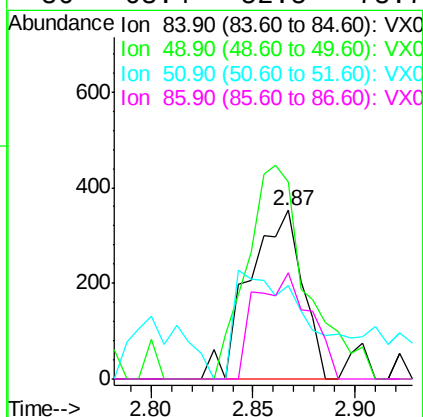
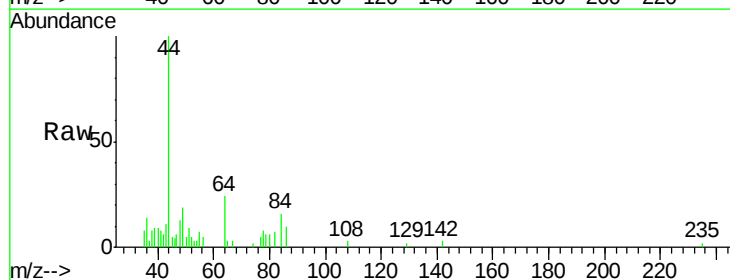
Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL02

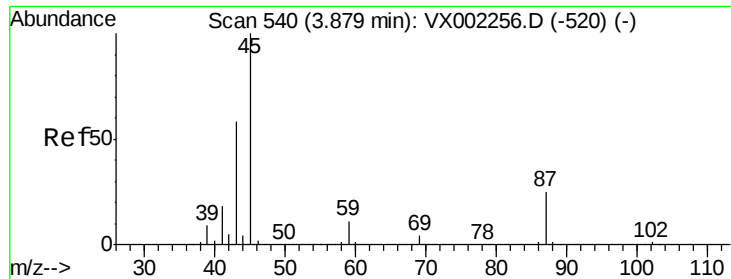
Tot Ion: 73 Resp: 79
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

Tgt Ion: 84 Resp: 639
Ion Ratio Lower Upper
84 100
49 117.3 107.8 161.6
51 33.2 32.8 49.2
86 63.4 52.5 78.7



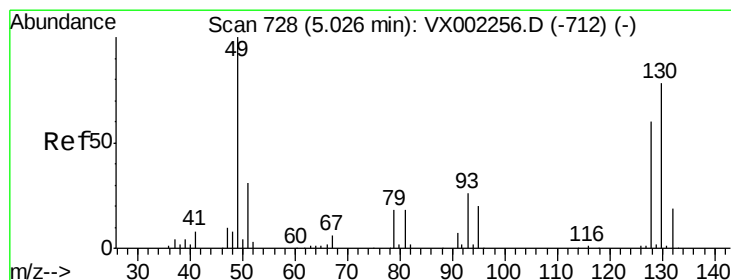
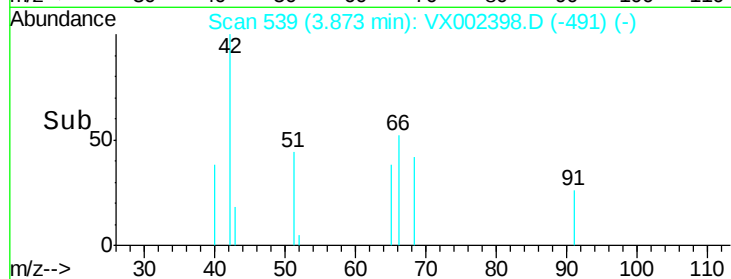
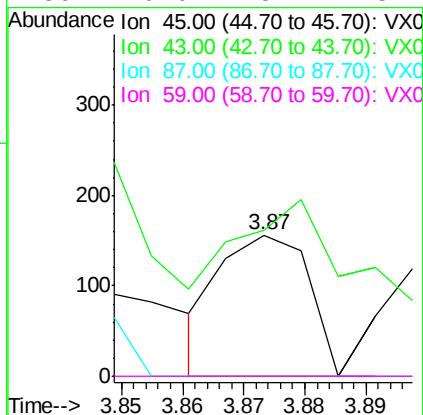
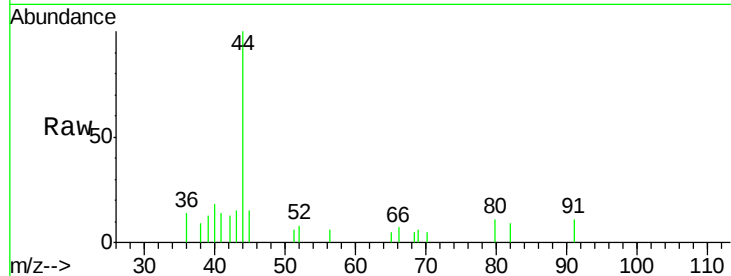


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL02

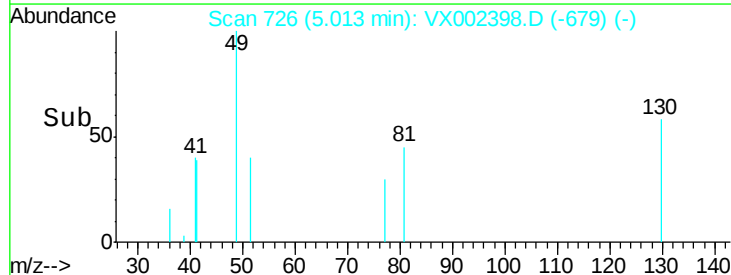
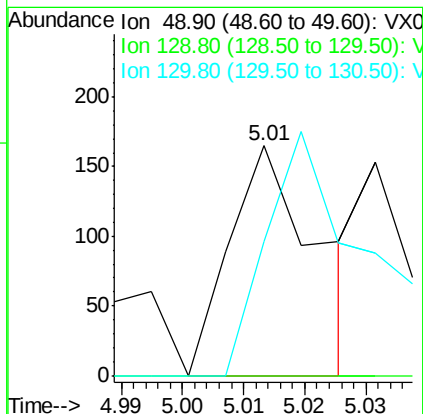
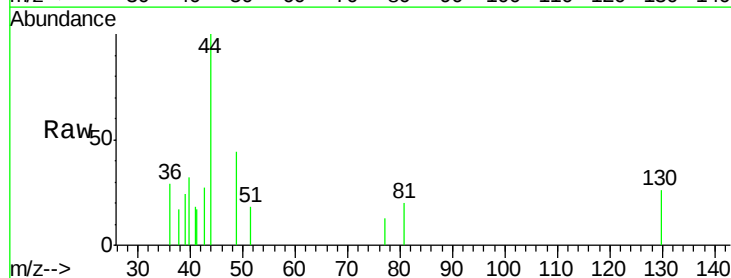
Tot Ion:	45	Resp:	156
Ion	Ratio	Lower	Upper
45	100		
43	41.7	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

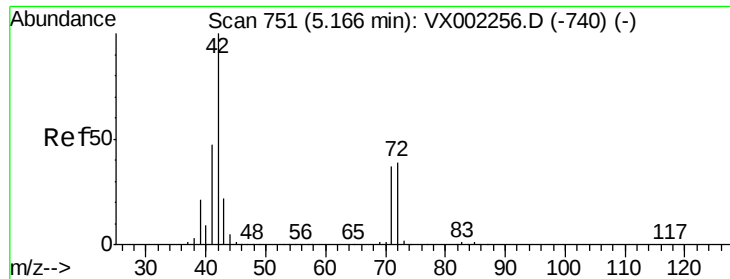


#28

Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

Tgt Ion:	49	Resp:	162
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	144.4	61.2	91.8#





#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBL02

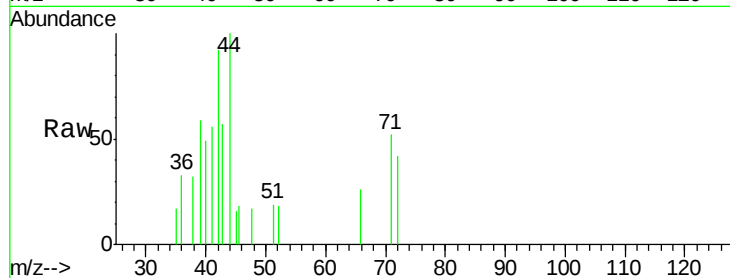
Tot Ion: 42 Resp: 1045

Ion Ratio Lower Upper

42 100

72 21.6 32.0 48.0#

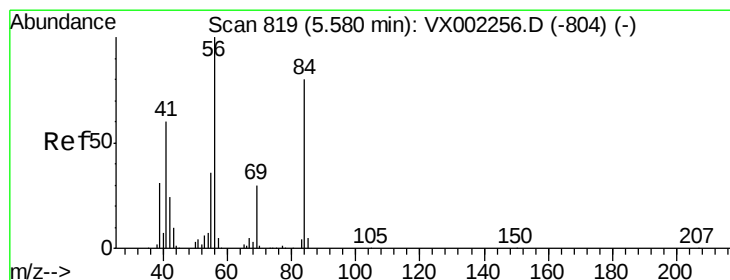
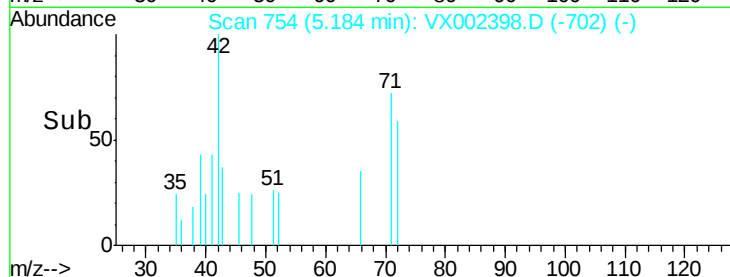
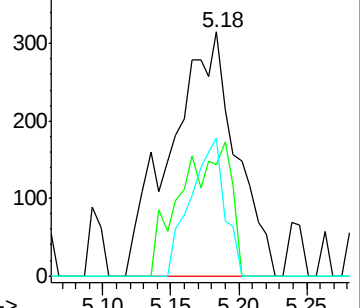
71 30.0 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.12 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

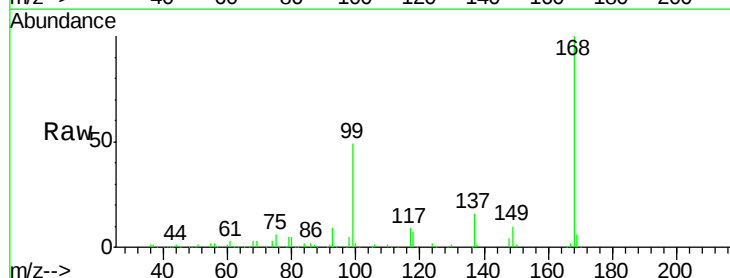
Tgt Ion: 56 Resp: 4816

Ion Ratio Lower Upper

56 100

69 127.0 23.7 35.5#

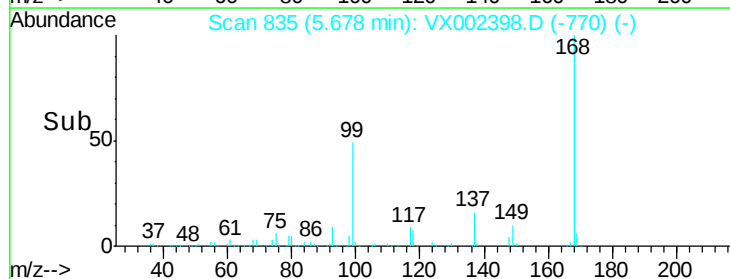
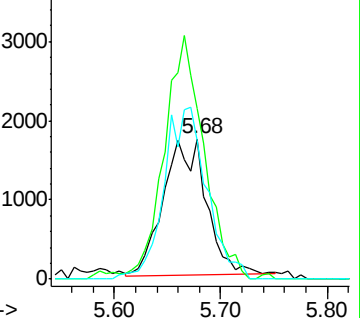
84 103.2 64.1 96.1#

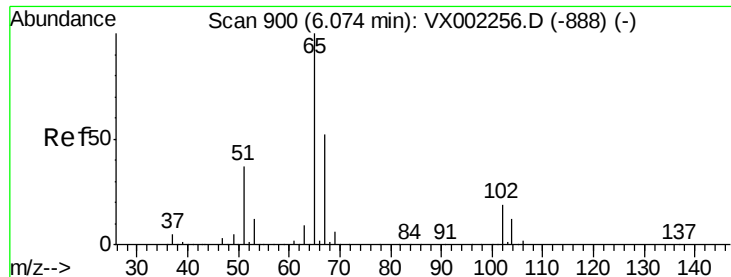


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.95 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

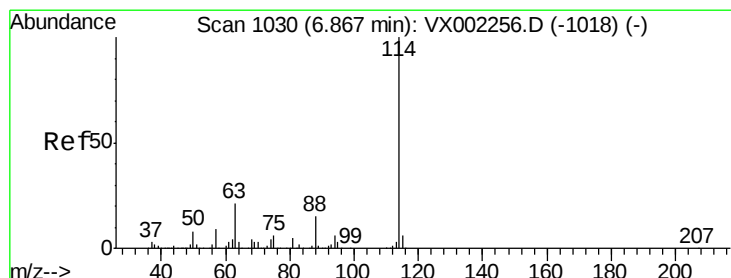
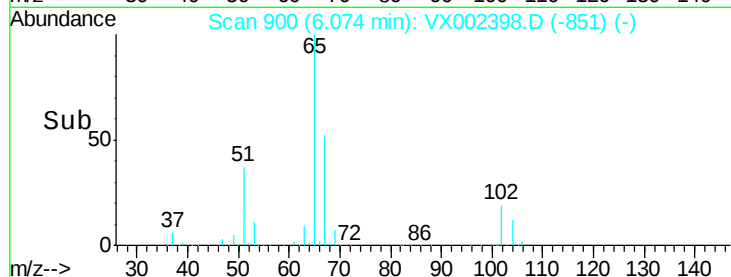
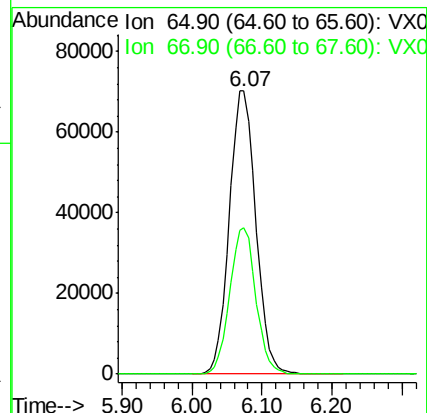
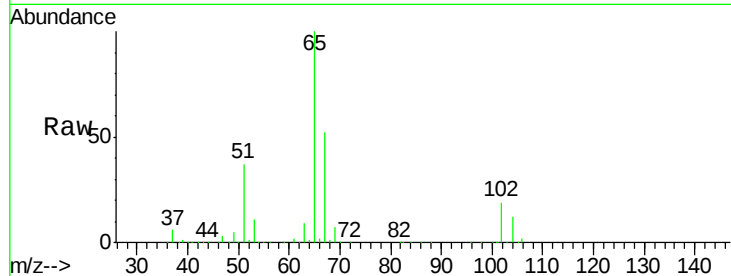
VX0608WBL02

Tot Ion: 65 Resp: 185595

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

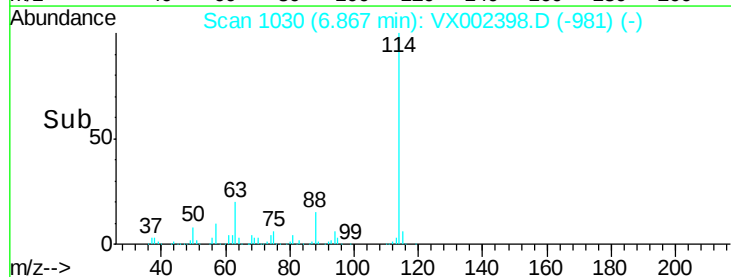
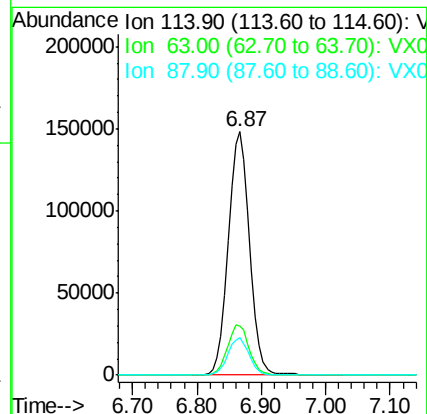
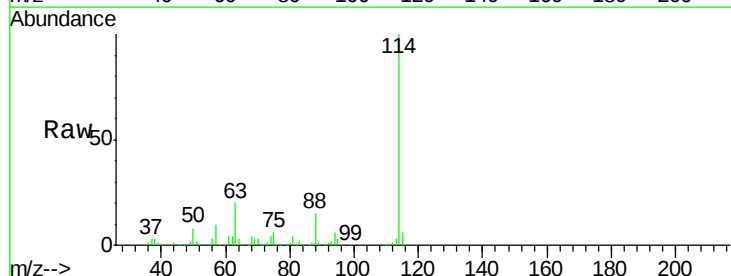
Tgt Ion: 114 Resp: 346257

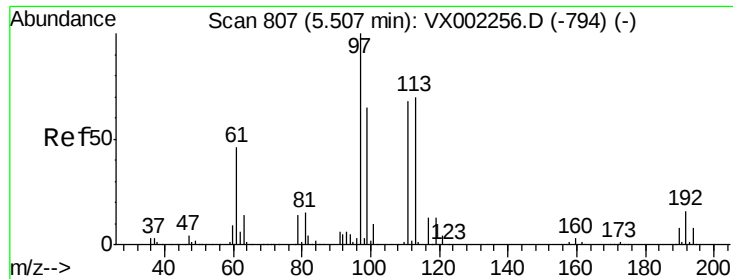
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

88 15.3 0.0 30.0

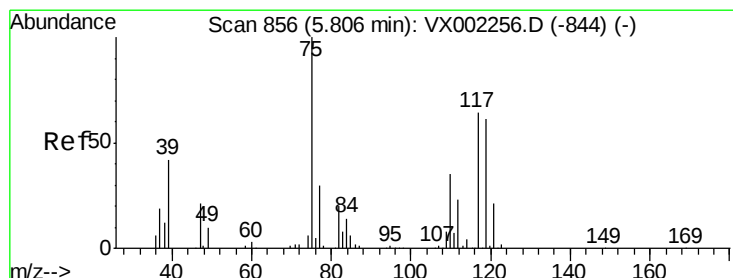
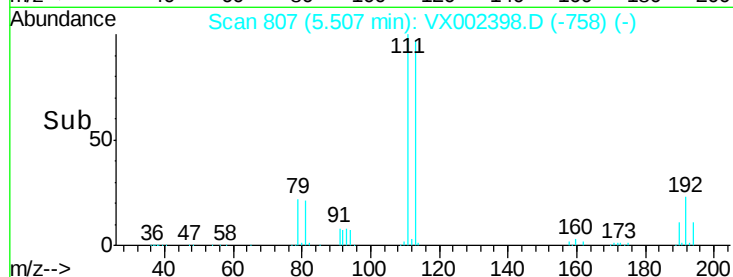
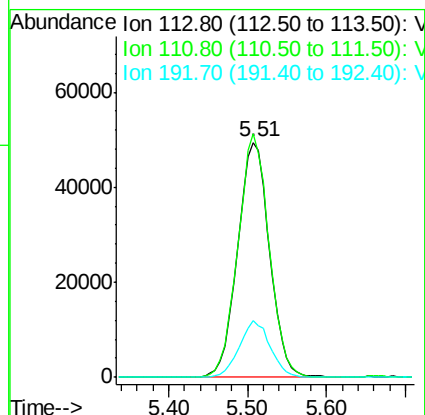
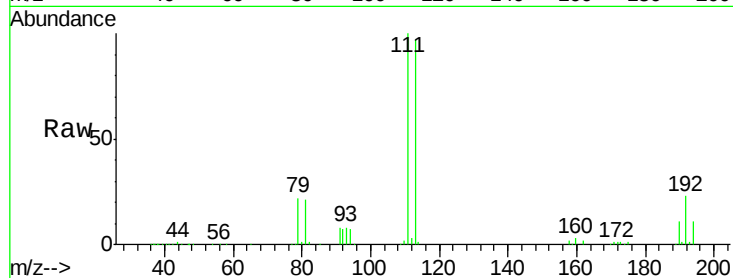




#35
Dibromofluoromethane
Concen: 51.12 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

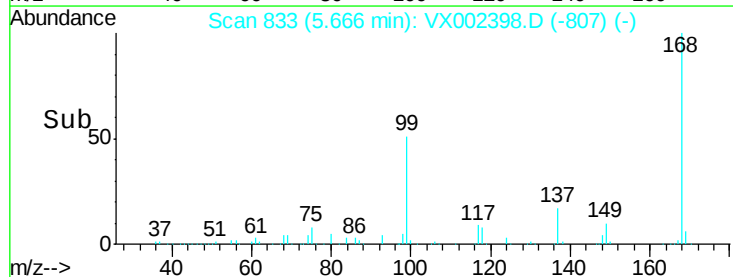
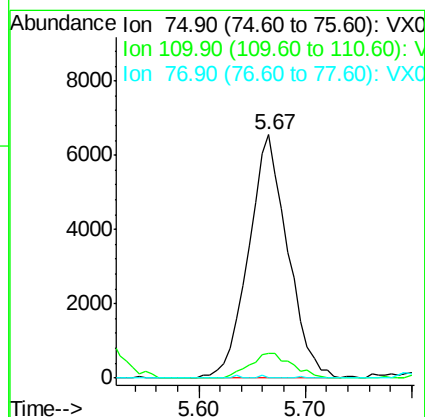
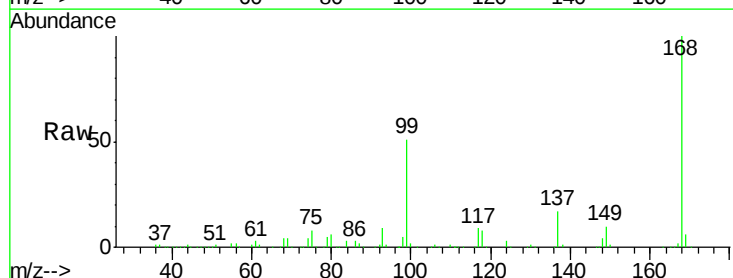
Instrument :
MSVOA_X
ClientSampled :
VX0608WBL02

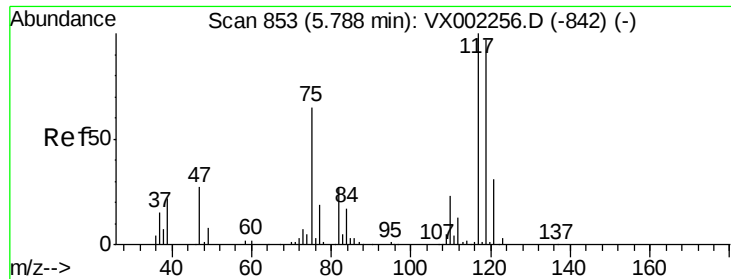
Tot Ion:113 Resp: 139212
Ion Ratio Lower Upper
113 100
111 101.2 81.4 122.0
192 23.4 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.14 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

Tgt Ion: 75 Resp: 16863
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.4#
77 0.2 24.3 36.5#

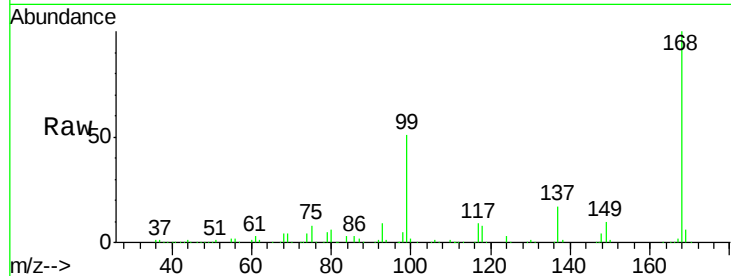




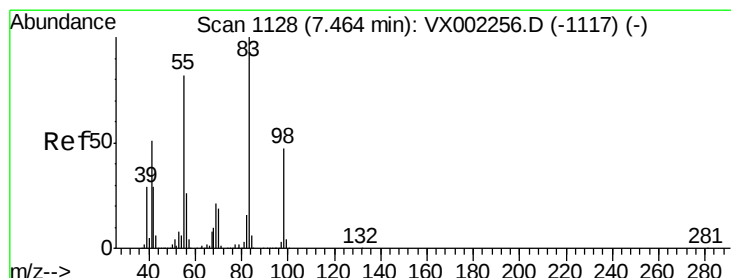
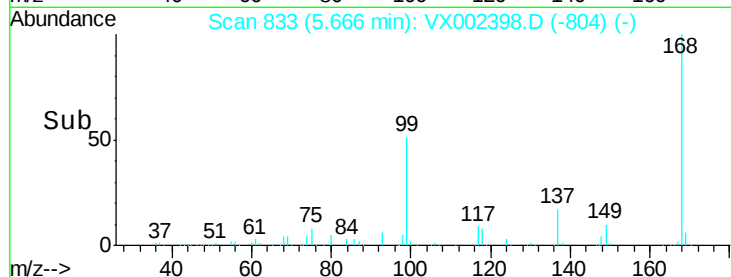
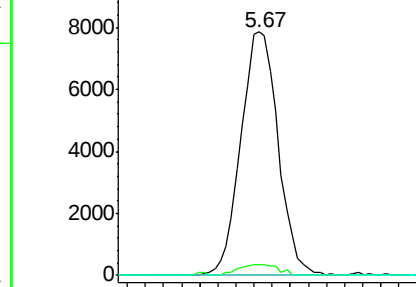
#38
Carbon Tetrachloride
Concen: 5.89 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

Instrument :
MSVOA_X
ClientSampled :
VX0608WBL02

Tot Ion:117 Resp: 22440
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.0#
121 0.0 24.4 36.6#

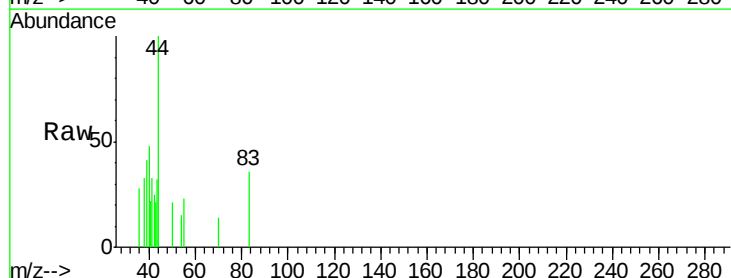


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

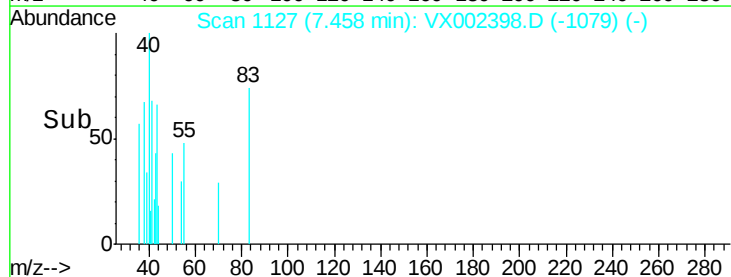
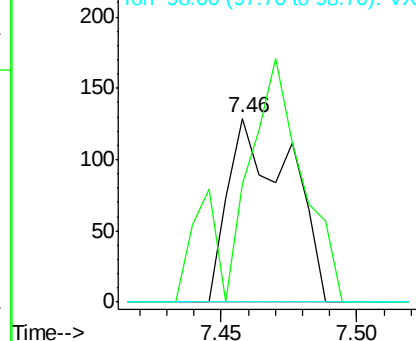


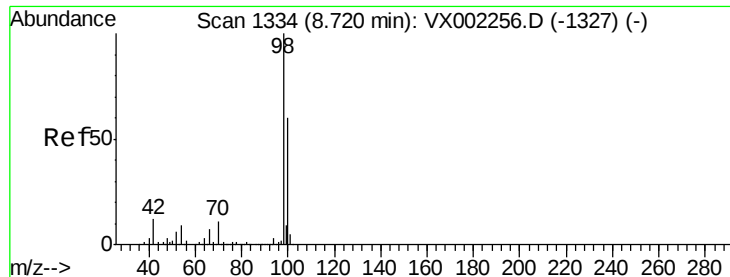
#39
Methylcyclohexane
Concen: 0.31 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

Tgt Ion: 83 Resp: 202
Ion Ratio Lower Upper
83 100
55 64.3 65.4 98.0#
98 0.0 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 52.49 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

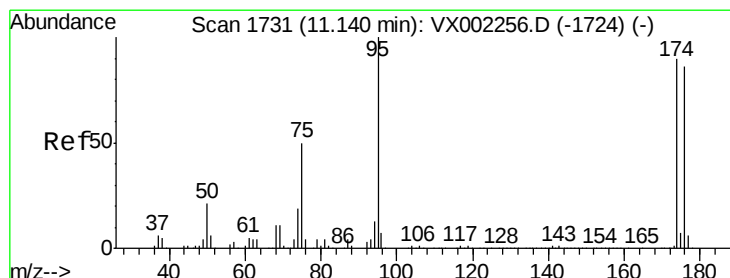
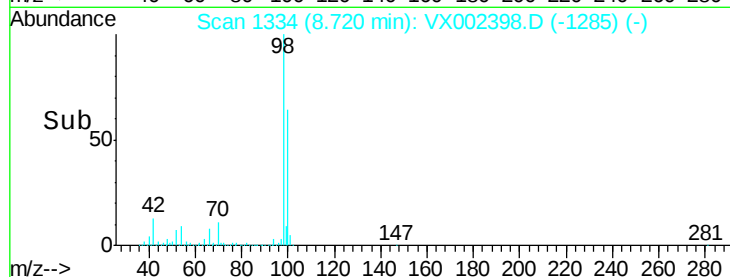
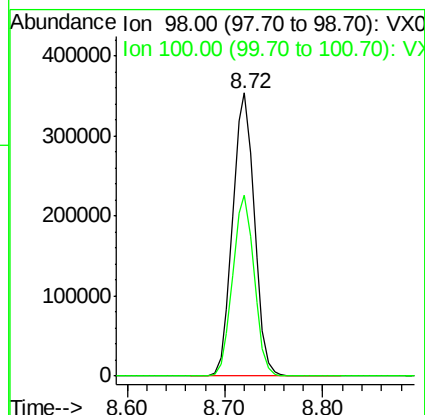
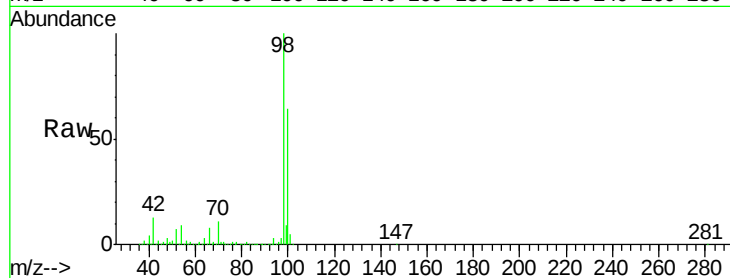
VX0608WBL02

Tot Ion: 98 Resp: 547890

Ion Ratio Lower Upper

98 100

100 63.1 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 46.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002398.D

Acq: 08 Jun 2018 13:29

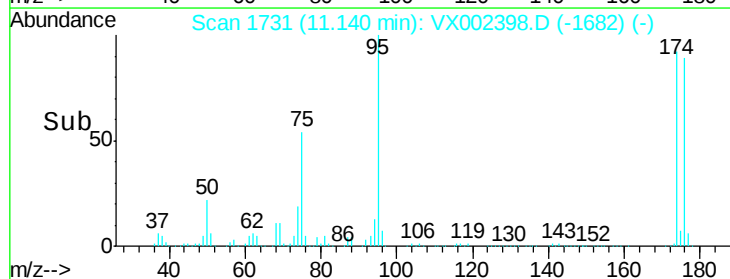
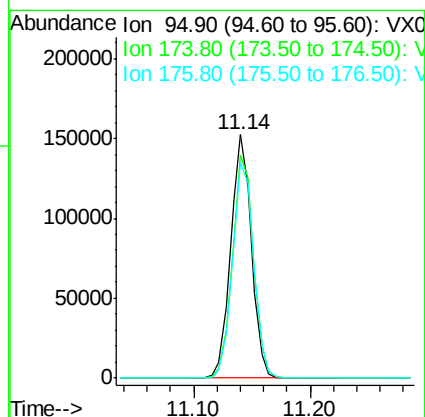
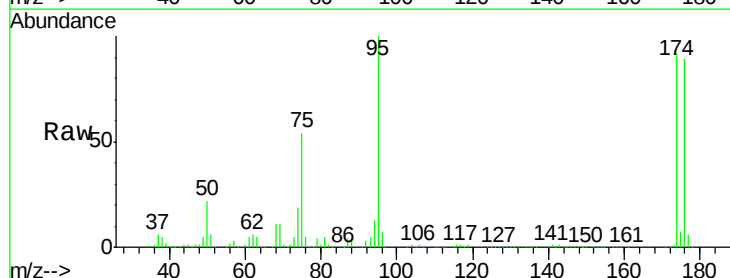
Tgt Ion: 95 Resp: 187713

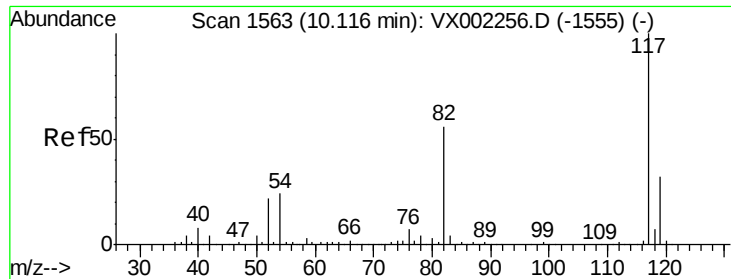
Ion Ratio Lower Upper

95 100

174 93.5 0.0 187.4

176 91.3 0.0 181.0

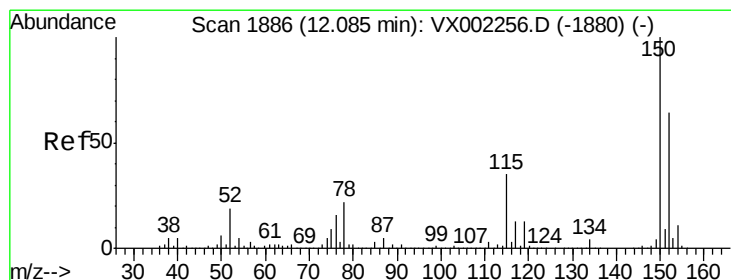
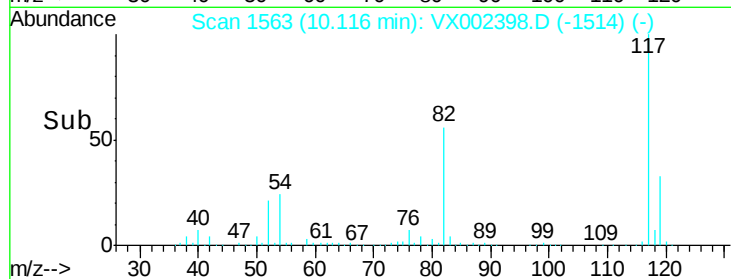
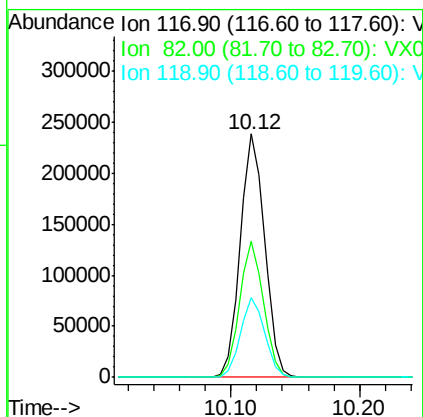
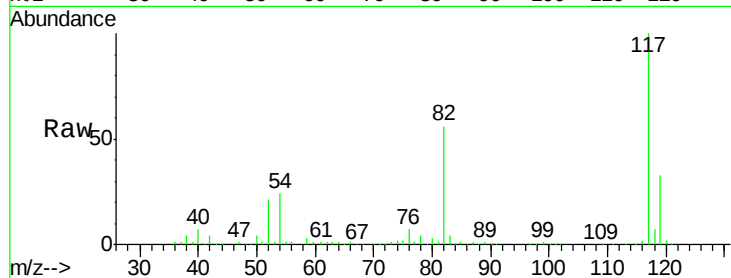




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

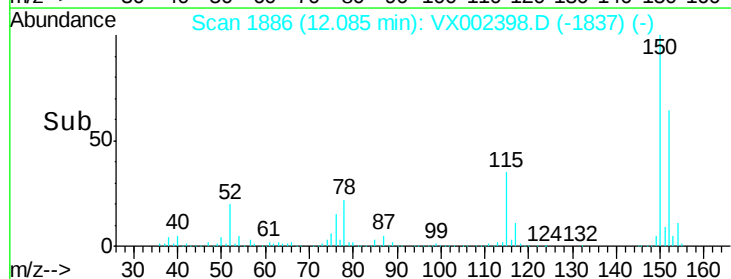
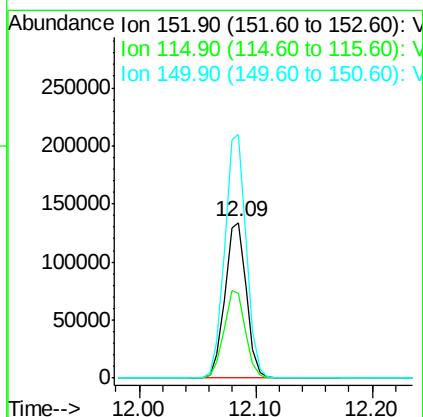
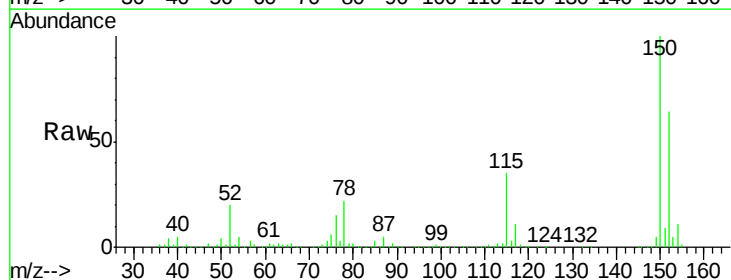
Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL02

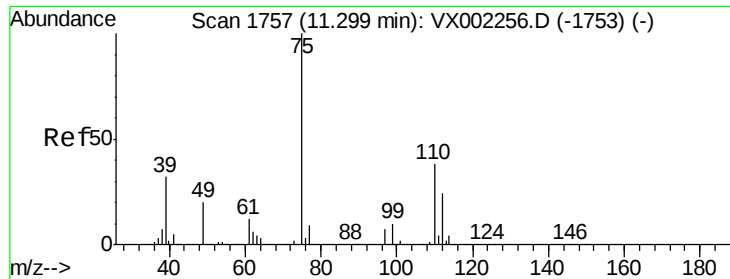
Tot Ion:117 Resp: 313259
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.4
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002398.D
Acq: 08 Jun 2018 13:29

Tgt Ion:152 Resp: 169849
Ion Ratio Lower Upper
152 100
115 55.9 40.1 120.2
150 157.0 0.0 347.2

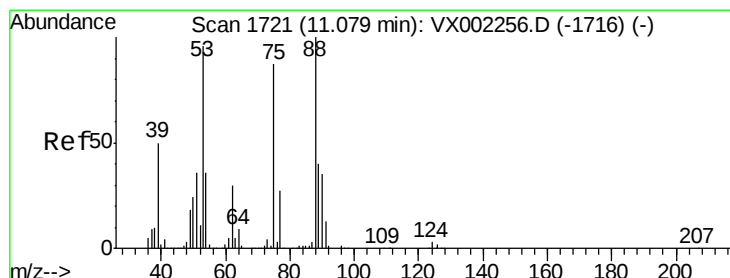
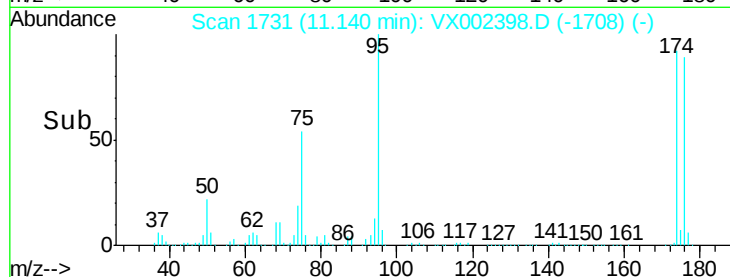
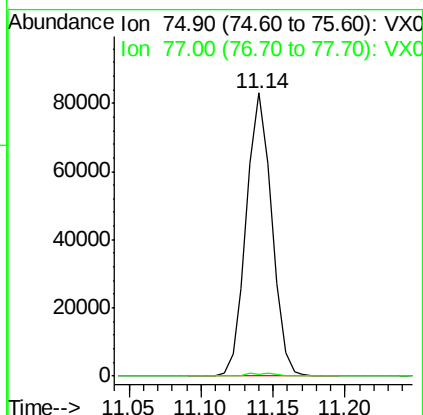
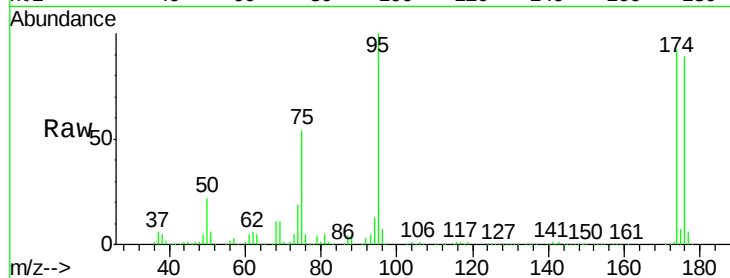




#76
 1,2,3-Trichloropropane
 Concen: 27.20 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002398.D
 Acq: 08 Jun 2018 13:29

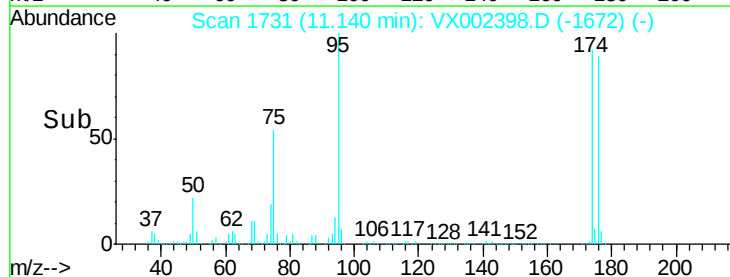
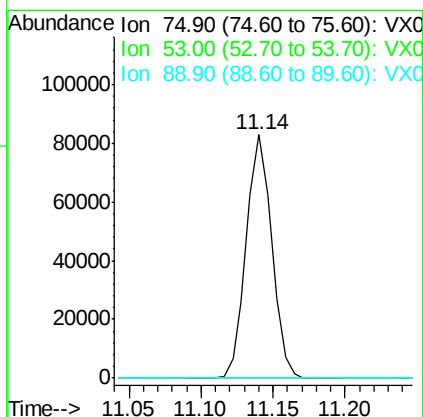
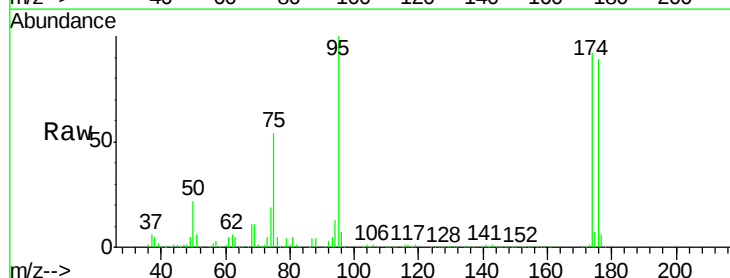
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL02

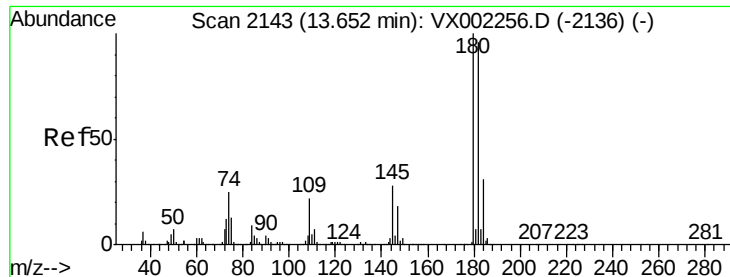
Tot Ion: 75 Resp: 101391
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.36 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002398.D
 Acq: 08 Jun 2018 13:29

Tgt Ion: 75 Resp: 101391
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#

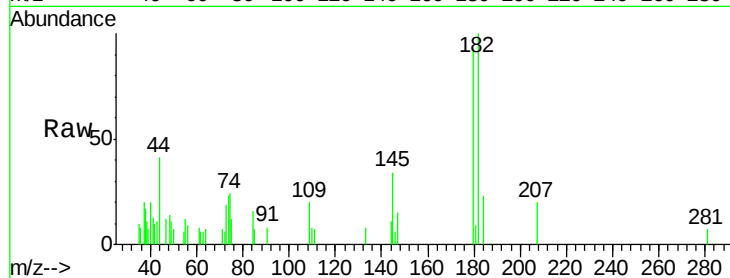




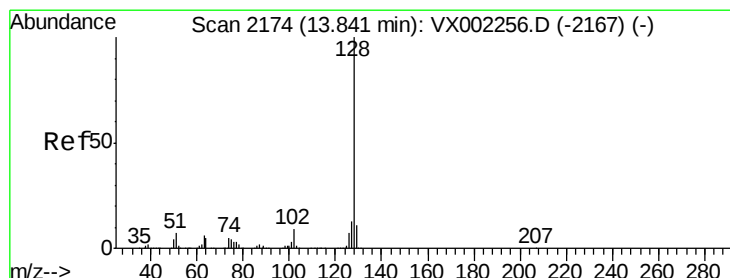
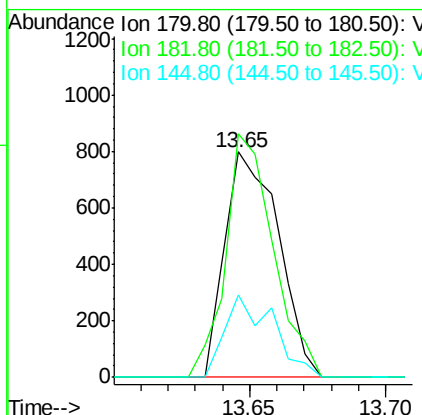
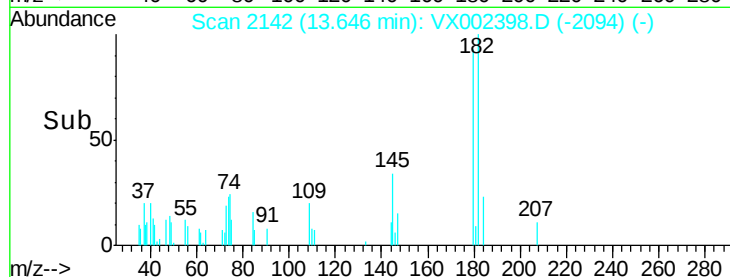
#93
 1,2,4-Trichlorobenzene
 Concen: 0.25 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX002398.D
 Acq: 08 Jun 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.7	143.1
145	33.0	14.1	42.4

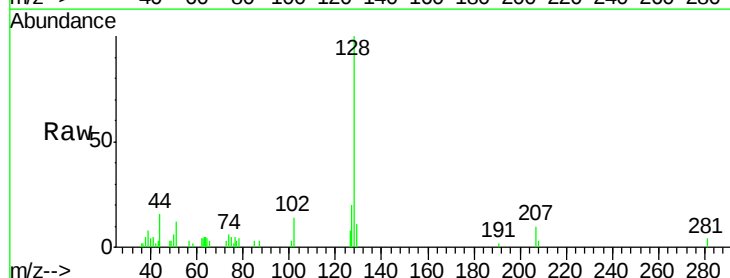


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

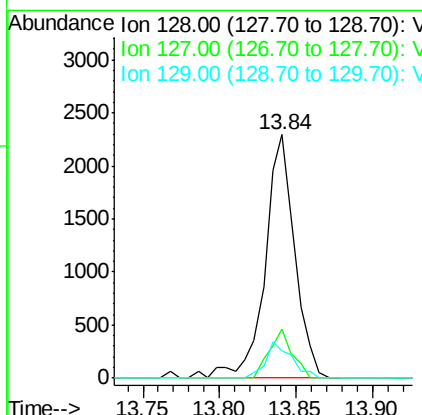
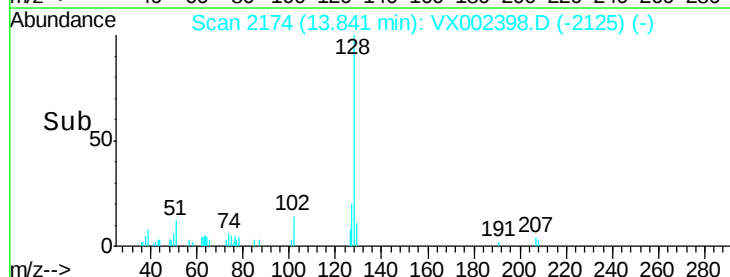


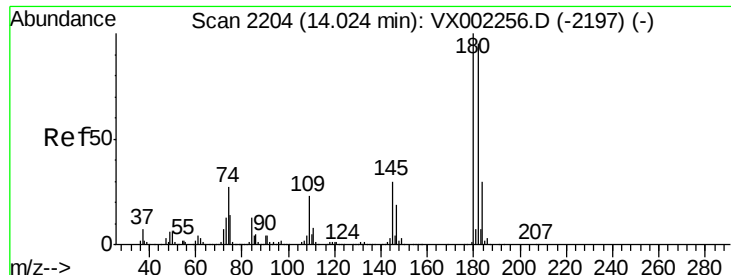
#95
 Naphthalene
 Concen: 0.25 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX002398.D
 Acq: 08 Jun 2018 13:29

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.4	15.6
129	12.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.24 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002398.D
 Acq: 08 Jun 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.0	144.0
145	32.0	14.8	44.3

