

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002306.D
 Acq On : 05 Jun 2018 15:31
 Operator : JC/MD
 Sample : J3270-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 04:31:28 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	245518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	185982	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	172981	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.44%	
35) Dibromofluoromethane	5.51	113	125505	44.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.56%	
50) Toluene-d8	8.72	98	520900	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.14	95	182164	43.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.98%	

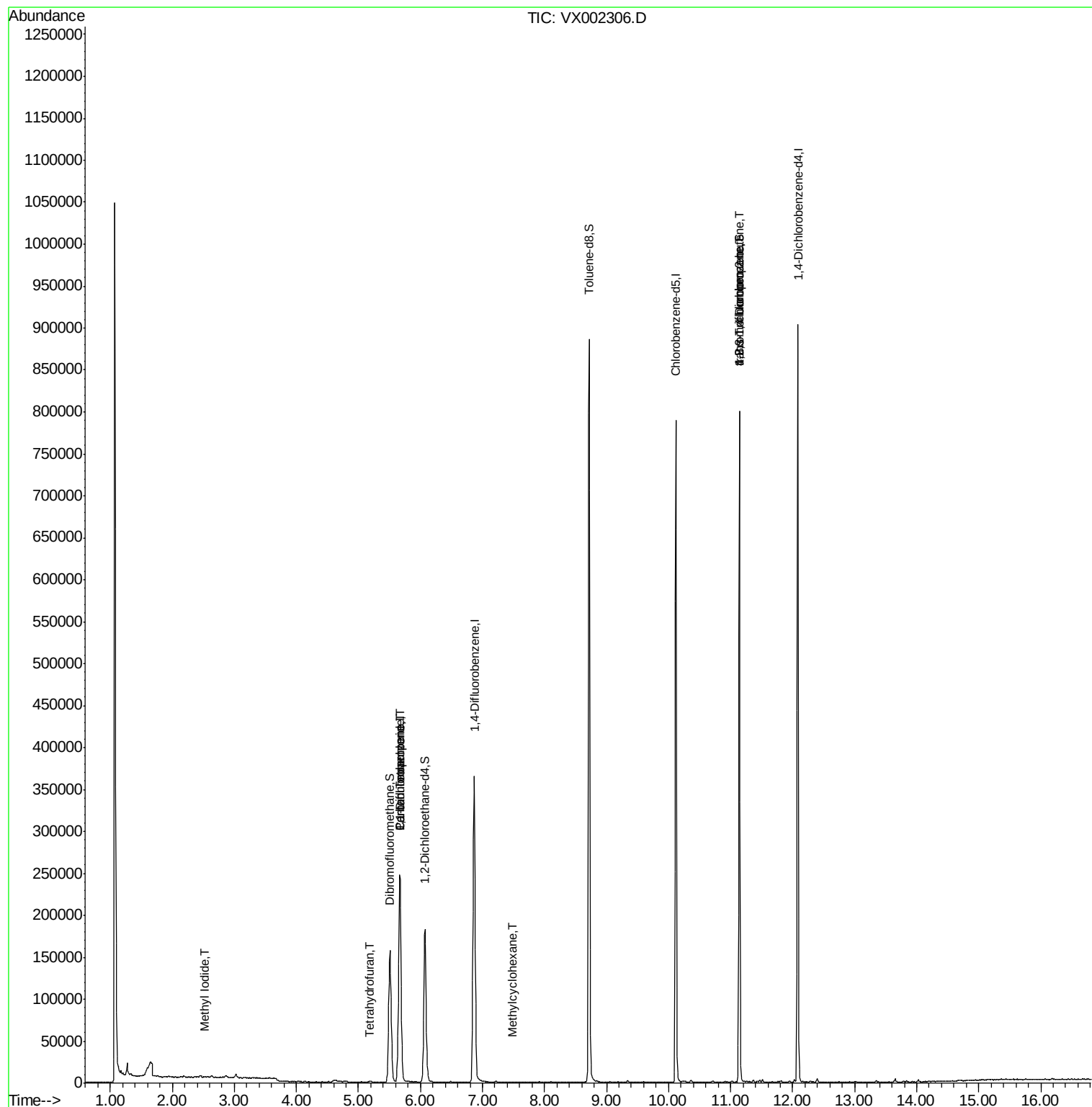
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	699	Below Cal	#	47
5) Bromomethane	1.65	94	1926	Below Cal	#	76
8) Diethyl Ether	2.19	74	707	Below Cal		71
10) Methyl Iodide	2.52	142	1512	0.41	ug/l	96
11) Tert butyl alcohol	3.10	59	93	Below Cal	#	1
13) Acrolein	2.26	56	99	Below Cal	#	4
15) Acrylonitrile	3.15	53	186	Below Cal	#	58
16) Acetone	2.45	43	1892	Below Cal		97
18) Methyl Acetate	2.79	43	118	Below Cal	#	54
19) Methyl tert-butyl Ether	3.21	73	135	Below Cal	#	54
20) Methylene Chloride	2.86	84	722	Below Cal	#	65
22) Diisopropyl ether	3.88	45	265	Below Cal	#	40
28) Bromochloromethane	5.04	49	23	Below Cal	#	7
29) Tetrahydrofuran	5.17	42	405	0.26	ug/l	43
36) 1,1-Dichloropropene	5.66	75	17979	4.75	ug/l	50
38) Carbon Tetrachloride	5.67	117	23036	5.81	ug/l	16
39) Methylcyclohexane	7.48	83	100	0.28	ug/l	68
76) 1,2,3-Trichloropropane	11.14	75	99936	24.49	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	99936	85.84	ug/l	6

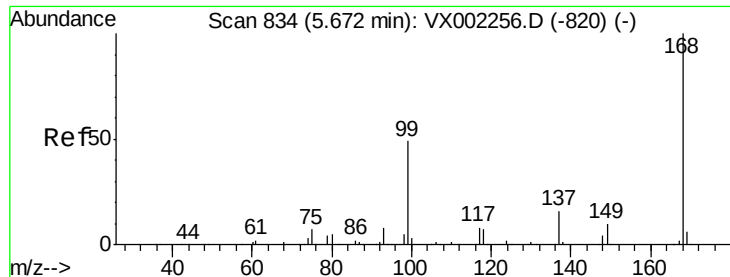
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060518\
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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# 834

Delta R.T. -0.00 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

Instrument :

MSVOA_X

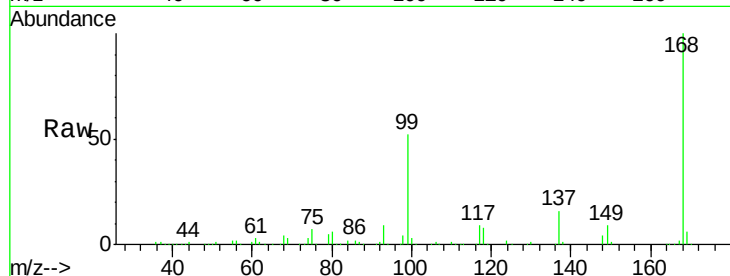
ClientSampled :

Tot Ion:168 Resp: 245518

Ion Ratio Lower Upper

168 100

99 51.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

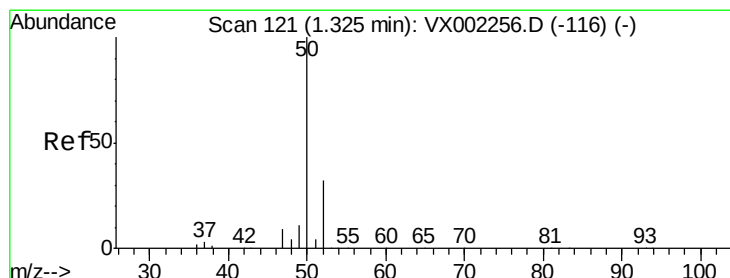
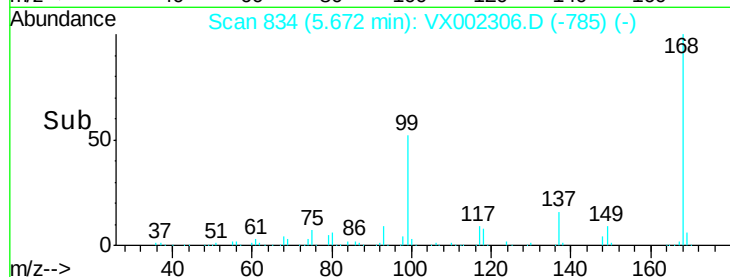
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002306.D

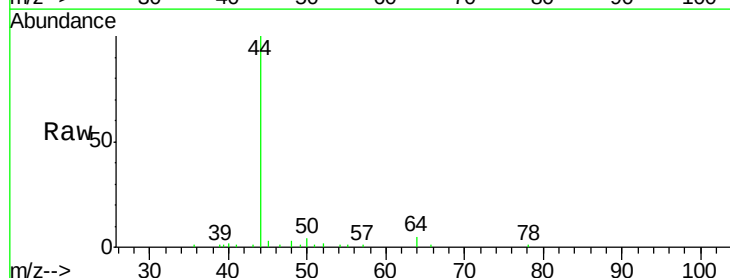
Acq: 05 Jun 2018 15:31

Tgt Ion: 50 Resp: 699

Ion Ratio Lower Upper

50 100

52 61.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

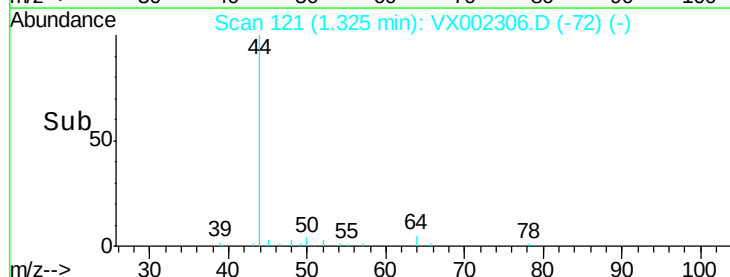
300

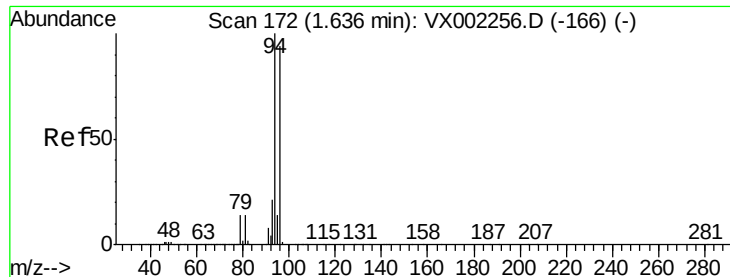
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

Instrument :

MSVOA_X

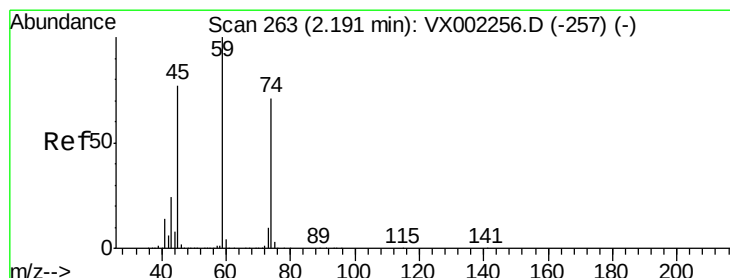
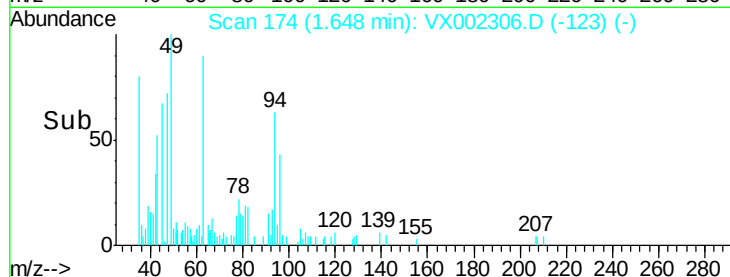
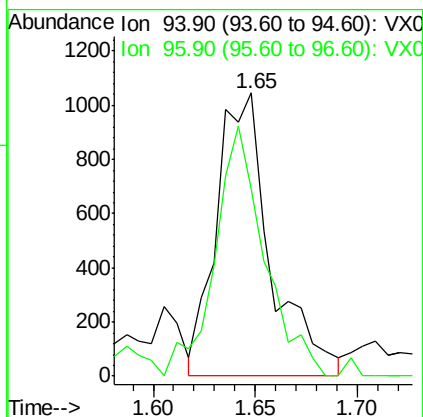
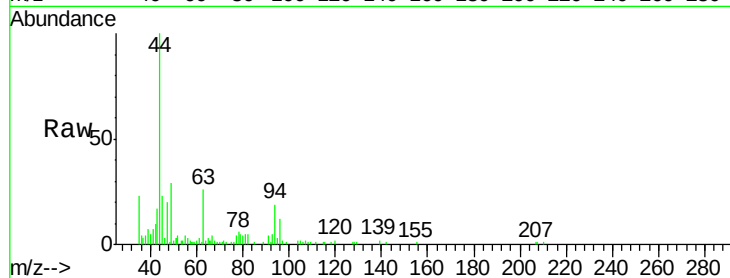
ClientSampleId :

Tot Ion: 94 Resp: 1926

Ion Ratio Lower Upper

94 100

96 70.7 74.9 112.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002306.D

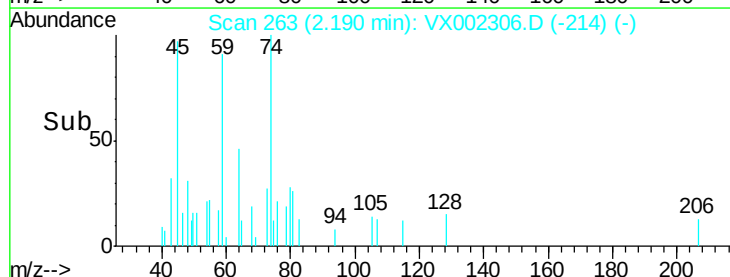
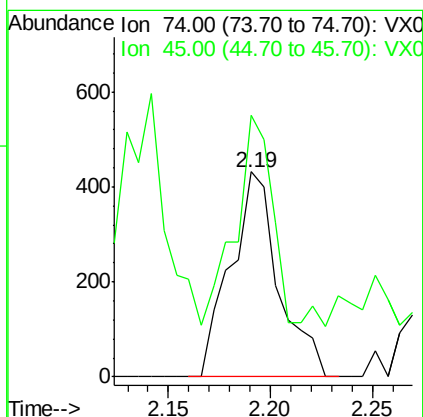
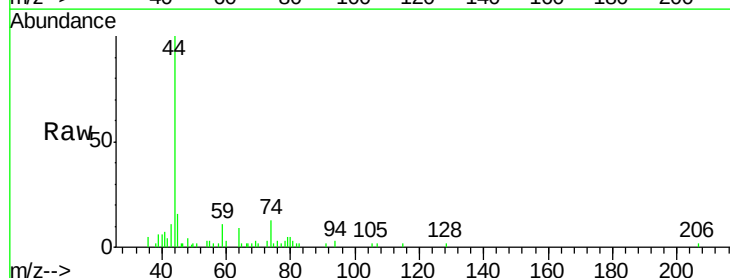
Acq: 05 Jun 2018 15:31

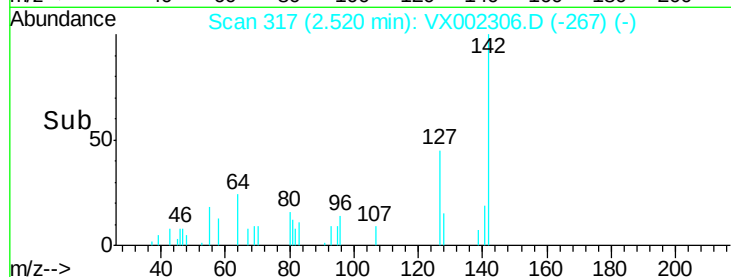
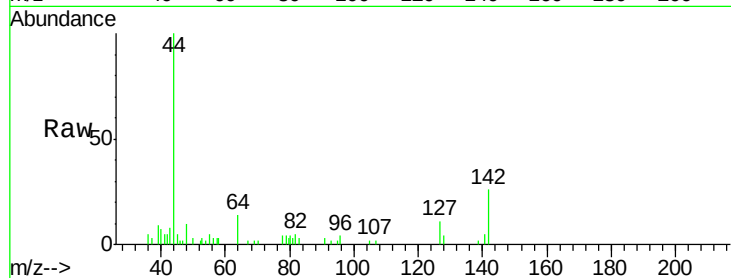
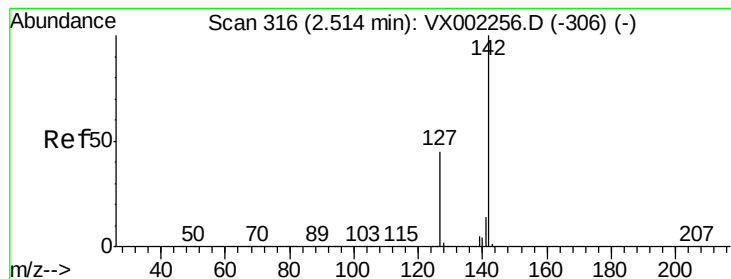
Tgt Ion: 74 Resp: 707

Ion Ratio Lower Upper

74 100

45 76.5 53.1 159.4





#10

Methyl Iodide

Concen: 0.41 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

Instrument :

MSVOA_X

ClientSampled :

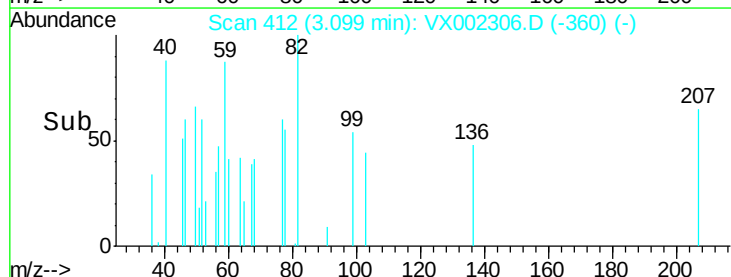
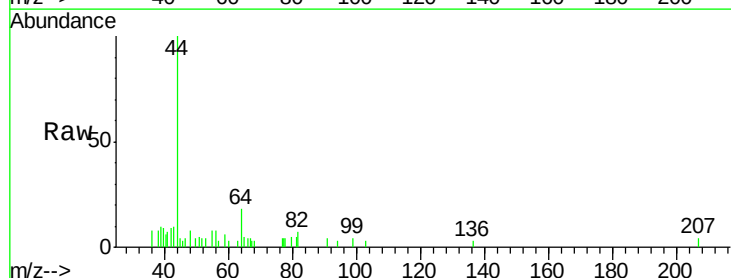
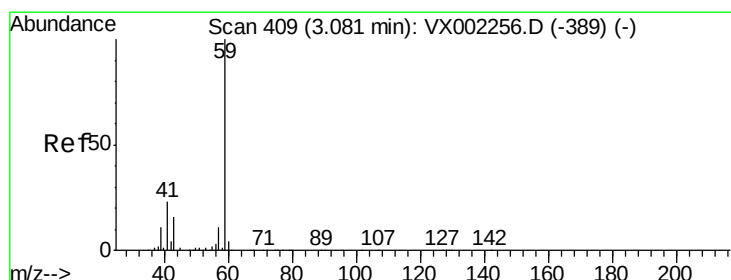
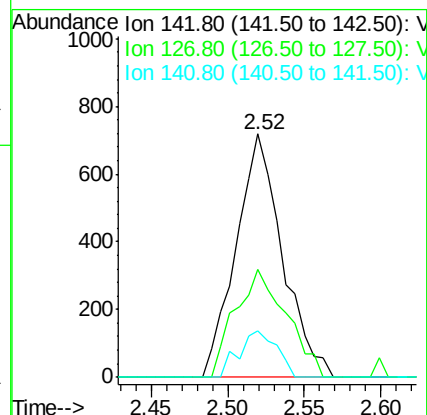
Tot Ion:142 Resp: 1512

Ion Ratio Lower Upper

142 100

127 48.7 36.6 55.0

141 15.4 11.3 16.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.10 min Scan# 412

Delta R.T. 0.02 min

Lab File: VX002306.D

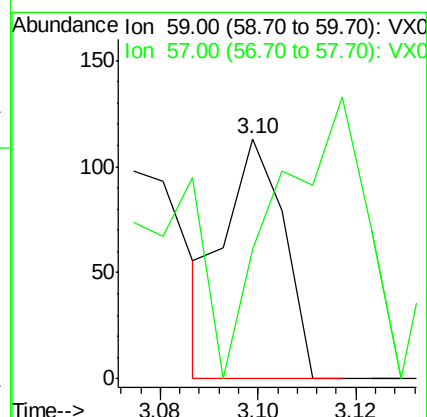
Acq: 05 Jun 2018 15:31

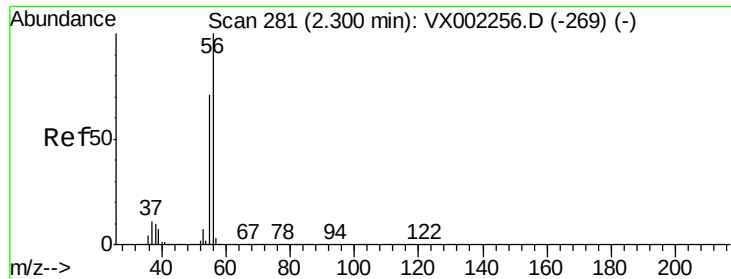
Tgt Ion: 59 Resp: 93

Ion Ratio Lower Upper

59 100

57 178.5 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.26 min Scan# 275

Delta R.T. -0.04 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

Instrument :

MSVOA_X

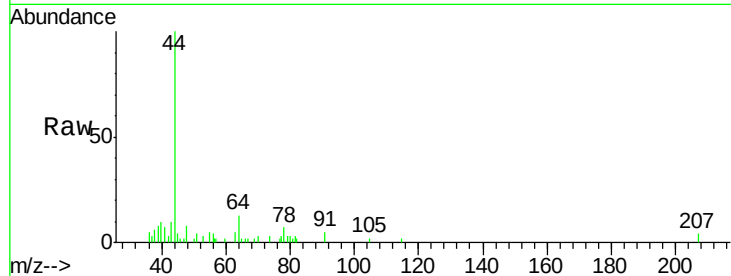
ClientSampled :

Tot Ion: 56 Resp: 99

Ion Ratio Lower Upper

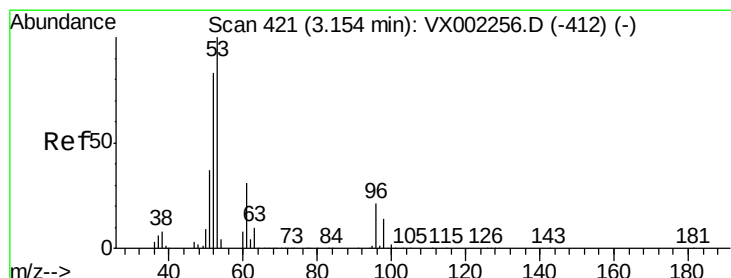
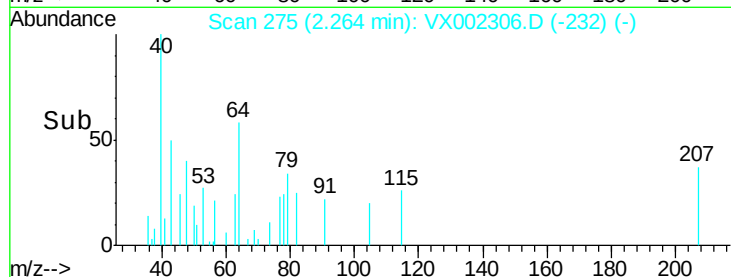
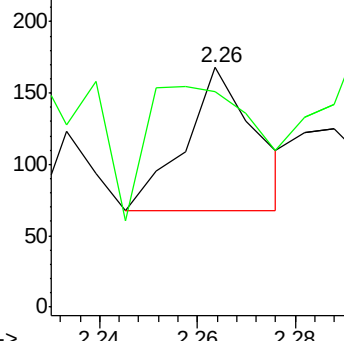
56 100

55 150.5 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

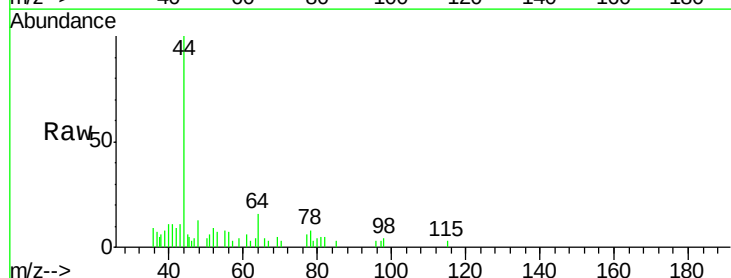
Tgt Ion: 53 Resp: 186

Ion Ratio Lower Upper

53 100

52 113.4 66.7 100.1#

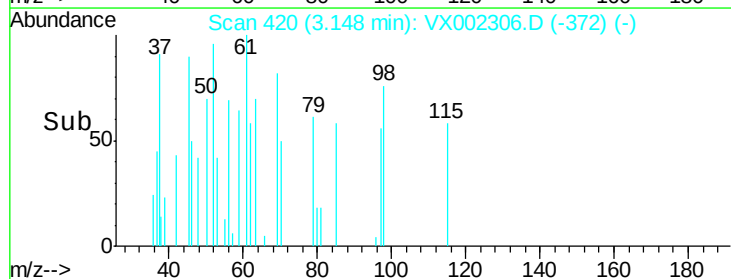
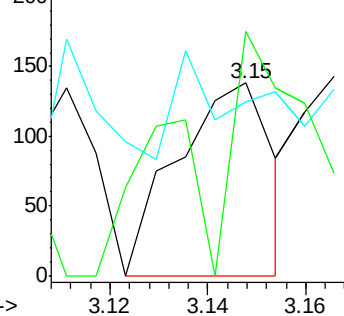
51 0.0 29.9 44.9#

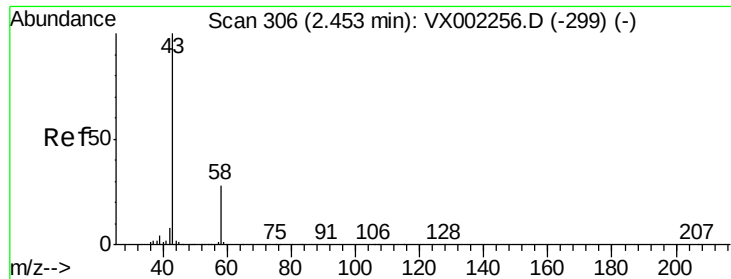


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

Instrument :

MSVOA_X

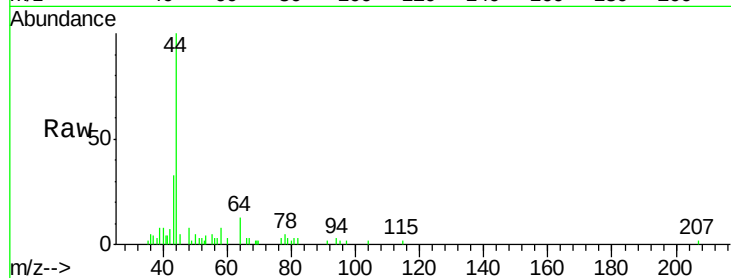
ClientSampleId :

Tot Ion: 43 Resp: 1892

Ion Ratio Lower Upper

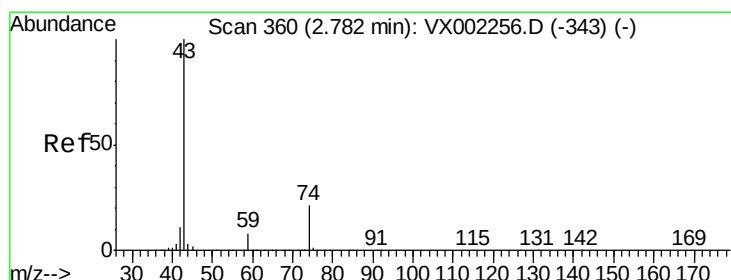
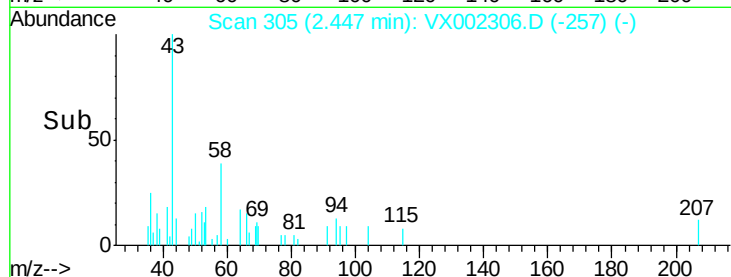
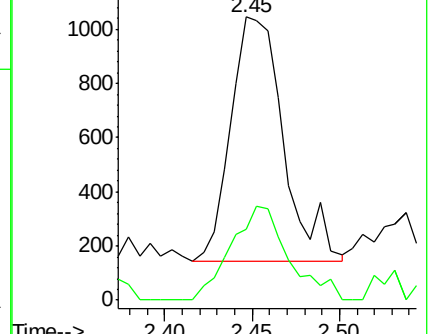
43 100

58 28.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002306.D

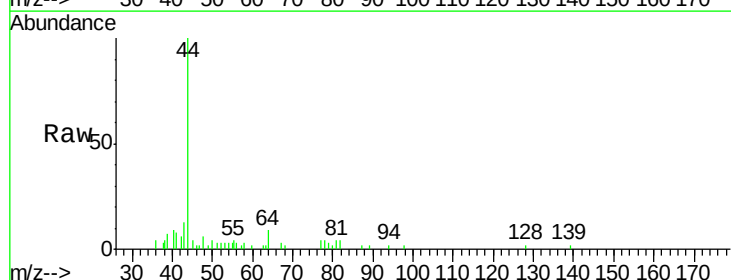
Acq: 05 Jun 2018 15:31

Tgt Ion: 43 Resp: 118

Ion Ratio Lower Upper

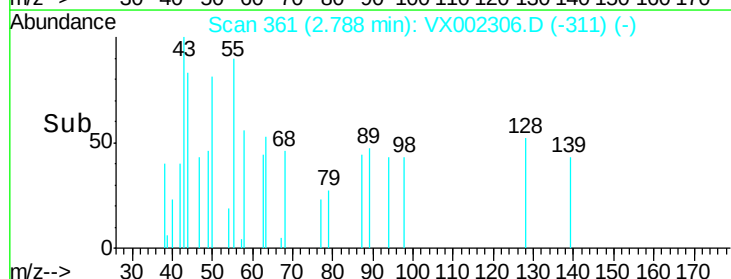
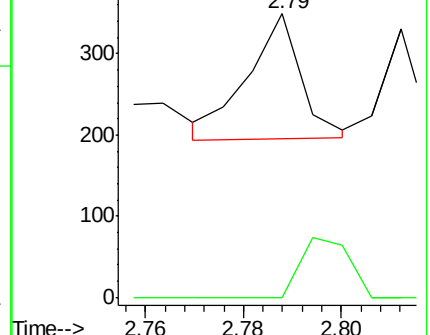
43 100

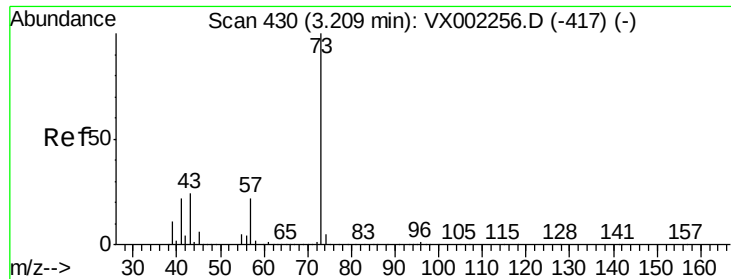
74 42.4 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

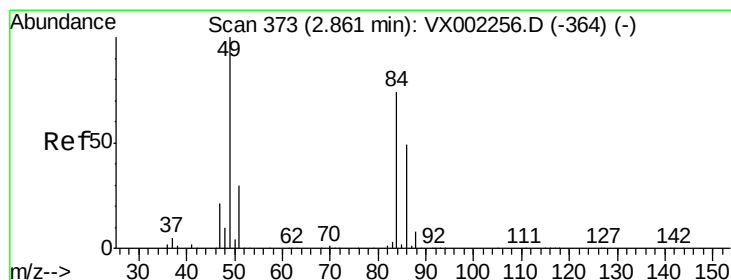
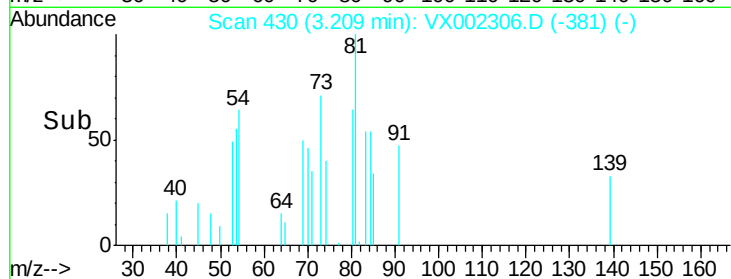
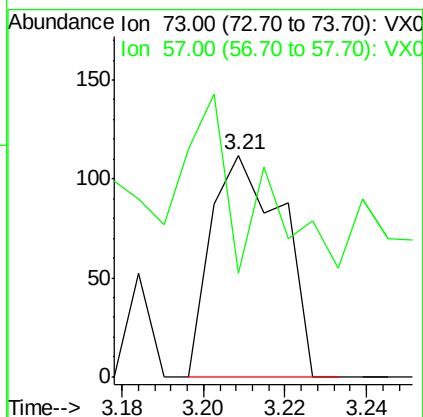
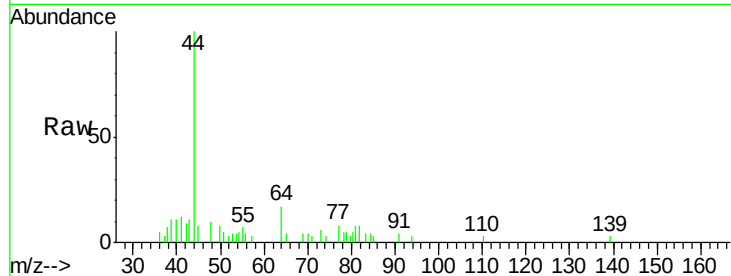




#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002306.D
Acq: 05 Jun 2018 15:31

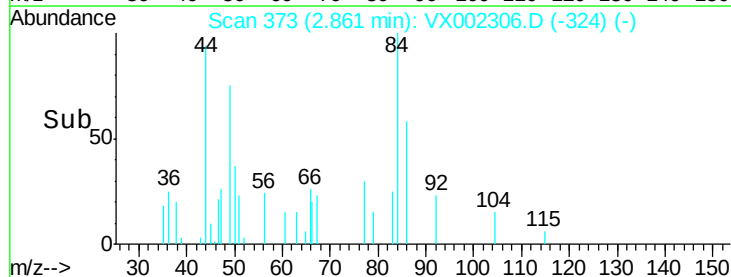
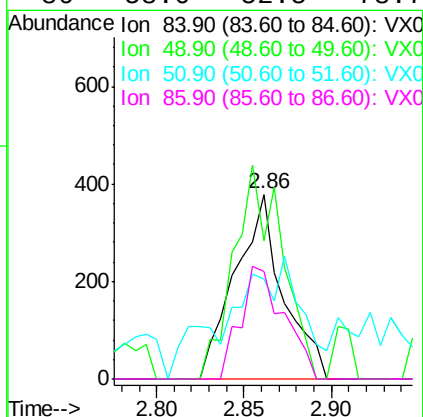
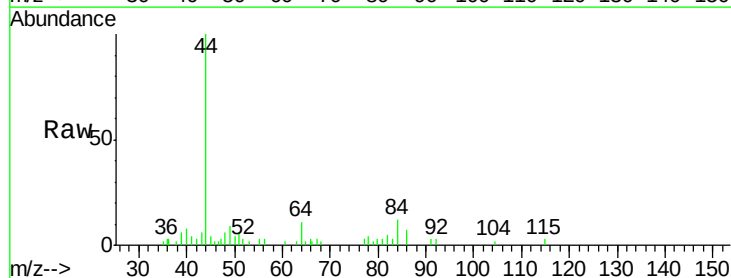
Instrument :
MSVOA_X
ClientSampleId :

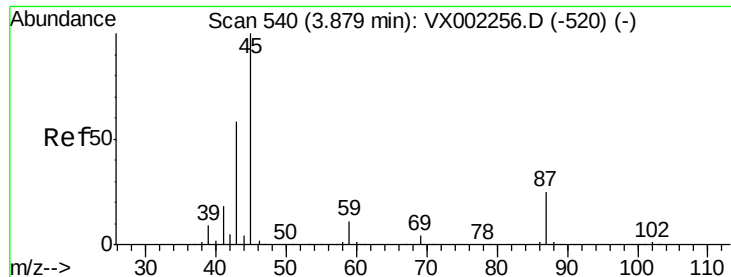
Tot Ion: 73 Resp: 135
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002306.D
Acq: 05 Jun 2018 15:31

Tgt Ion: 84 Resp: 722
Ion Ratio Lower Upper
84 100
49 74.9 107.8 161.6#
51 25.6 32.8 49.2#
86 58.0 52.5 78.7



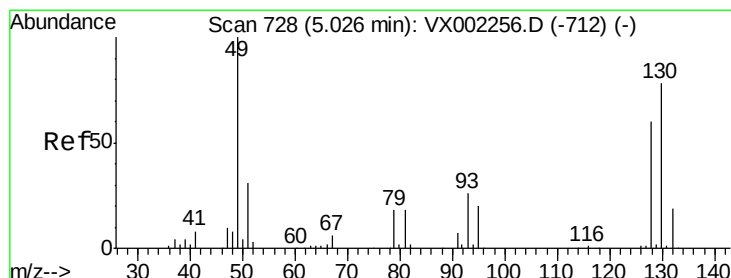
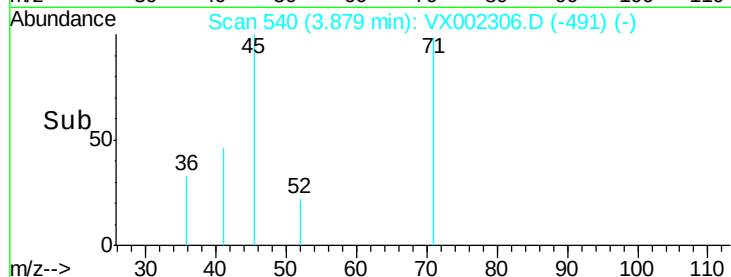
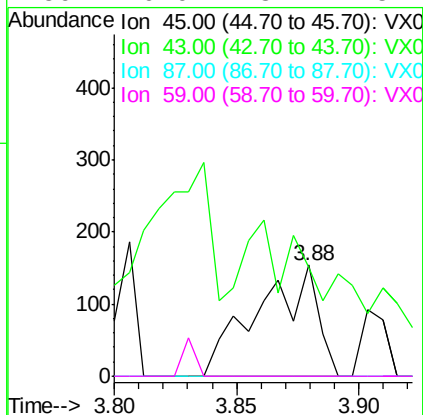
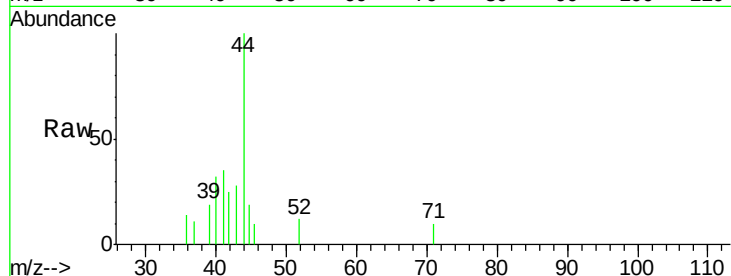


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002306.D
Acq: 05 Jun 2018 15:31

Instrument :
MSVOA_X
ClientSampled :

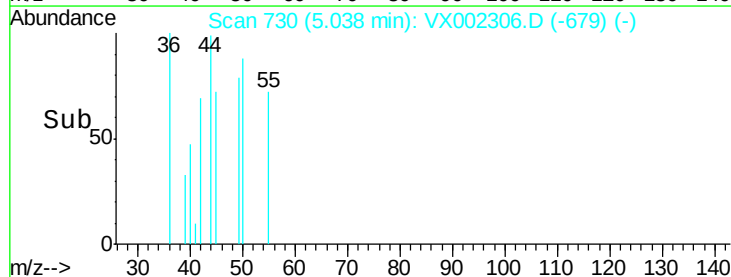
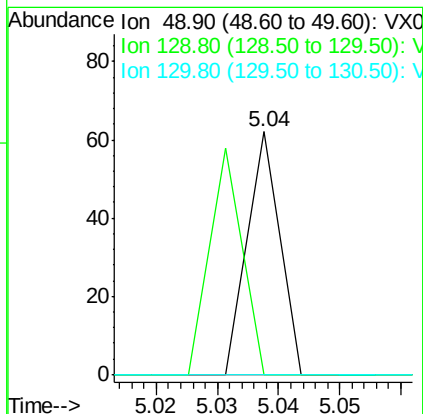
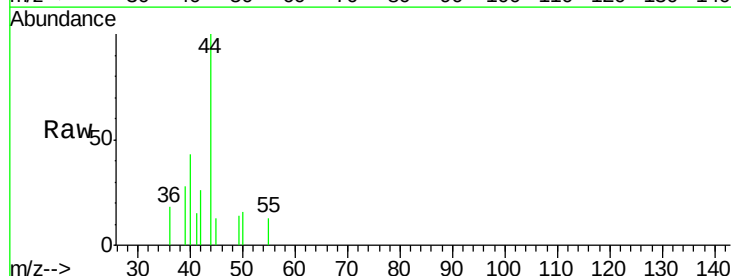
Tot Ion:	45	Resp:	265
Ion	Ratio	Lower	Upper
45	100		
43	5.8	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

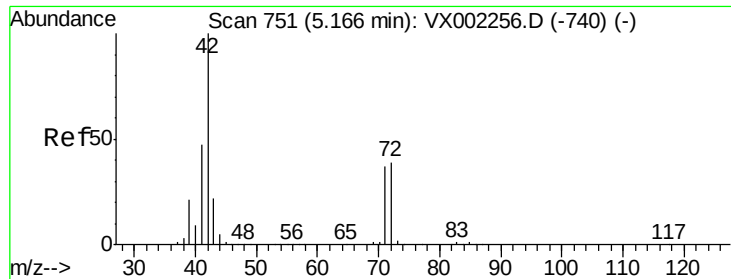


#28

Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 730
Delta R.T. 0.01 min
Lab File: VX002306.D
Acq: 05 Jun 2018 15:31

Tgt Ion:	49	Resp:	23
Ion	Ratio	Lower	Upper
49	100		
129	91.3	0.0	4.2#
130	0.0	61.2	91.8#

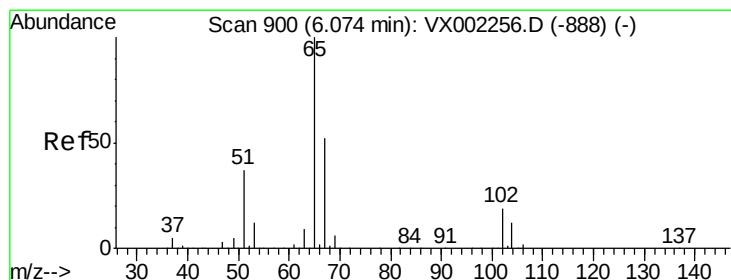
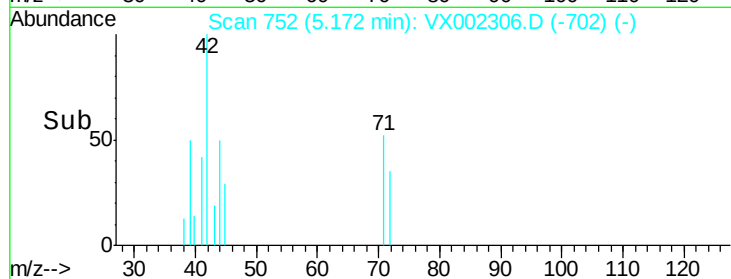
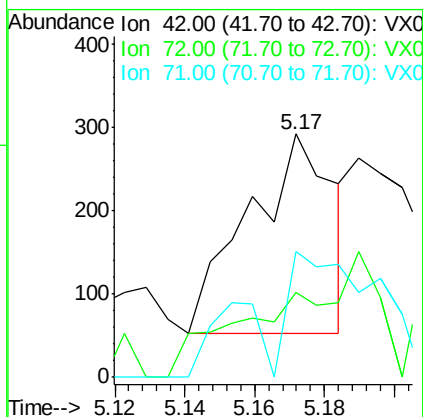
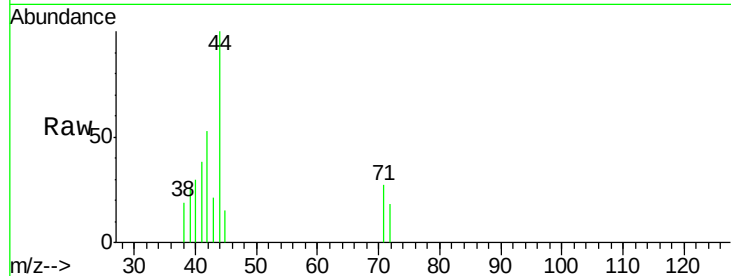




#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002306.D
Acq: 05 Jun 2018 15:31

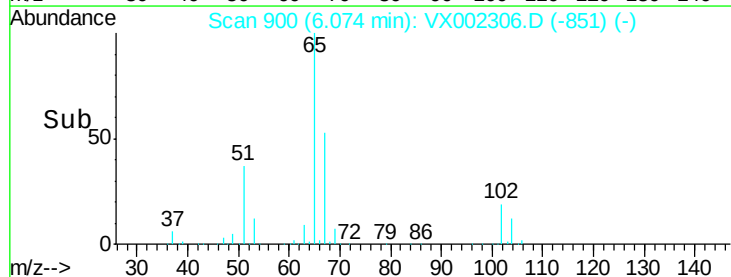
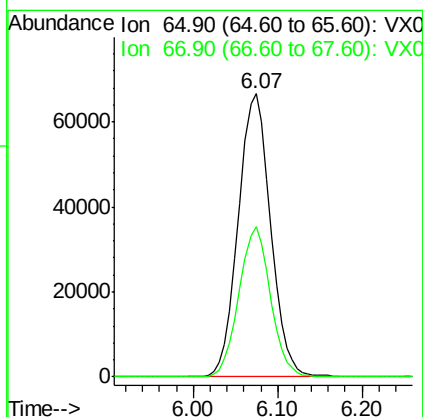
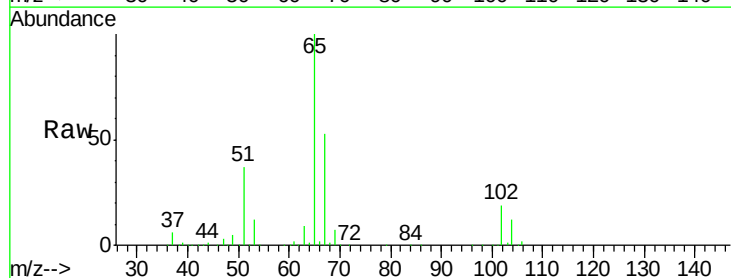
Instrument :
MSVOA_X
ClientSampled :

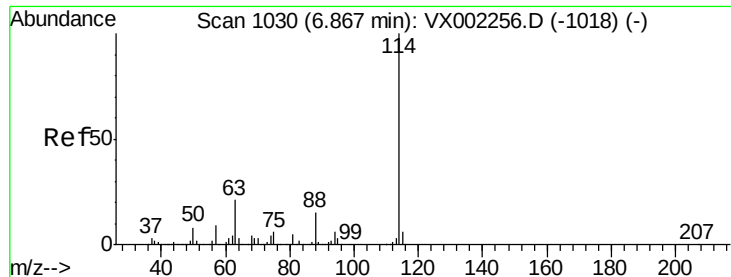
Tot Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 75.3 32.0 48.0#
71 71.1 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 49.22 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002306.D
Acq: 05 Jun 2018 15:31

Tgt Ion: 65 Resp: 172981
Ion Ratio Lower Upper
65 100
67 51.9 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: VX002306.D

Acq: 05 Jun 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

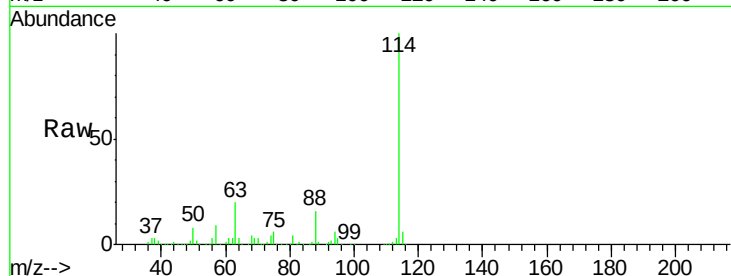
Tot Ion:114 Resp: 360400

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

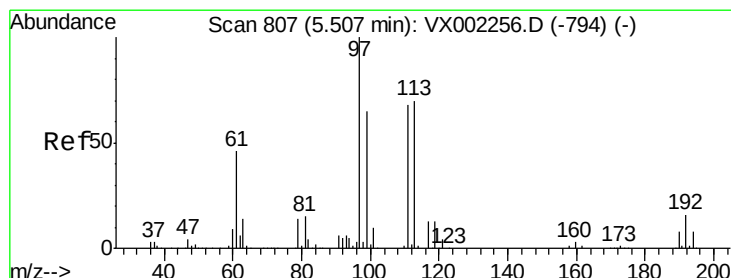
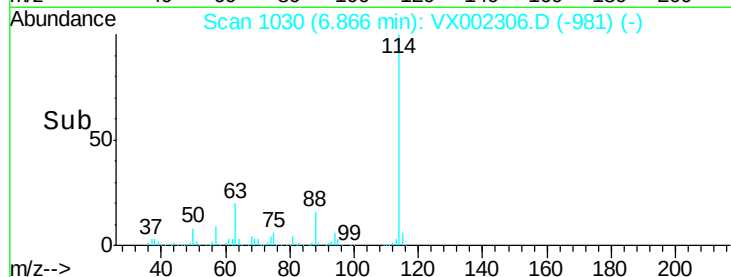
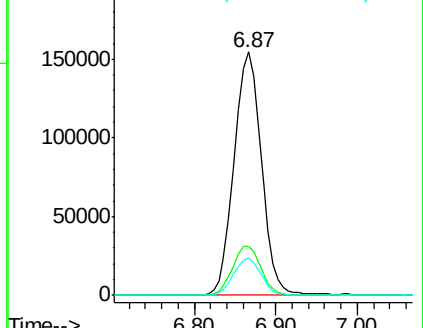
88 15.6 0.0 30.0



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: 44.28 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

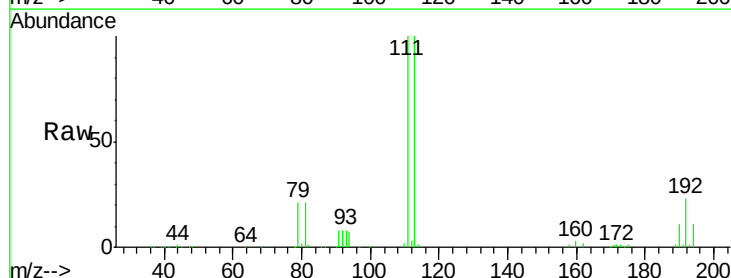
Tgt Ion:113 Resp: 125505

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

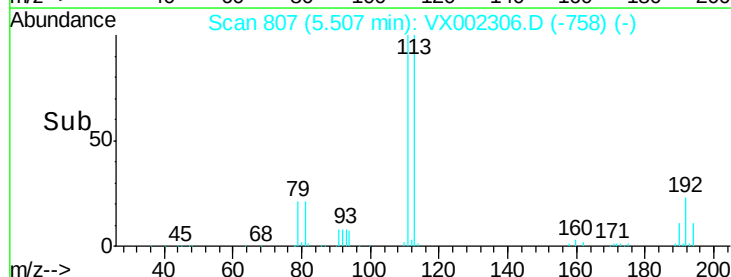
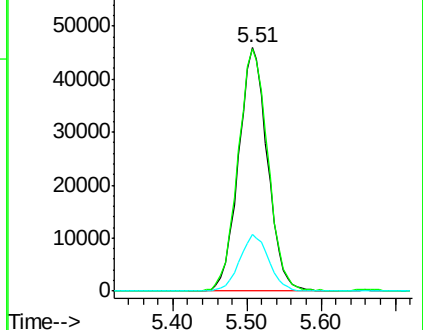
192 23.4 19.1 28.7

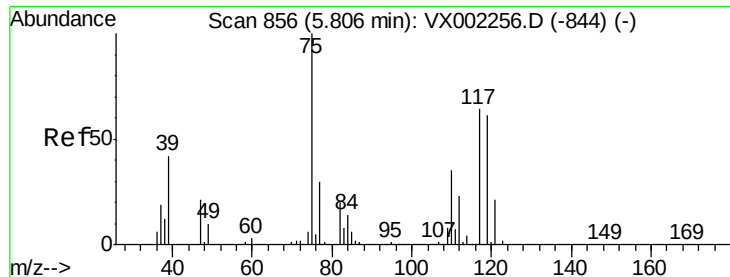


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

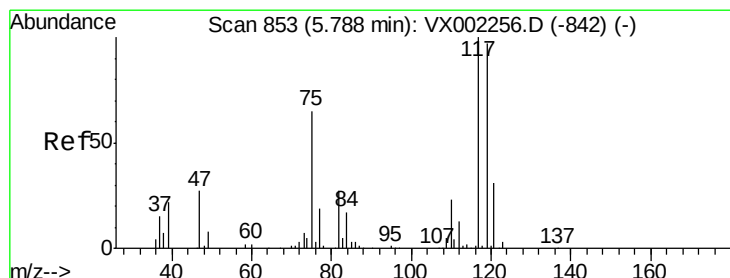
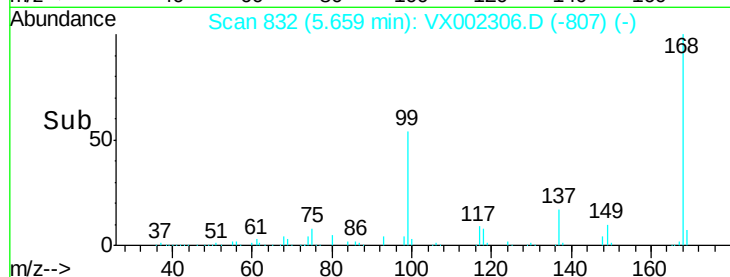
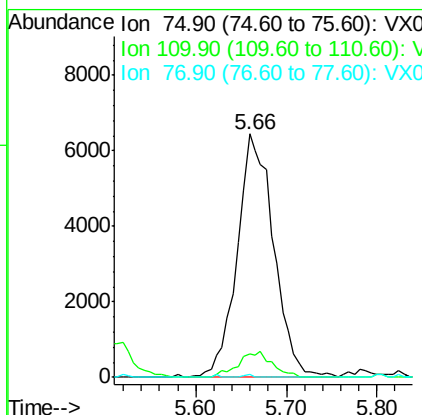
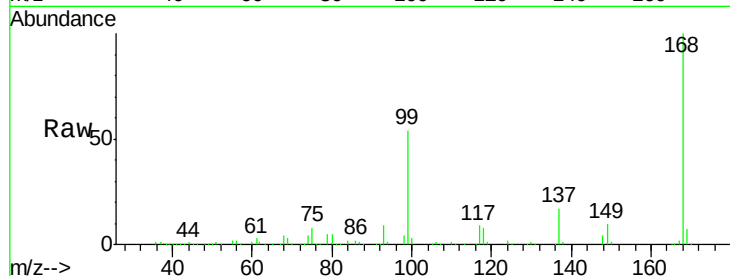




#36
 1,1-Dichloropropene
 Concen: 4.75 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX002306.D
 Acq: 05 Jun 2018 15:31

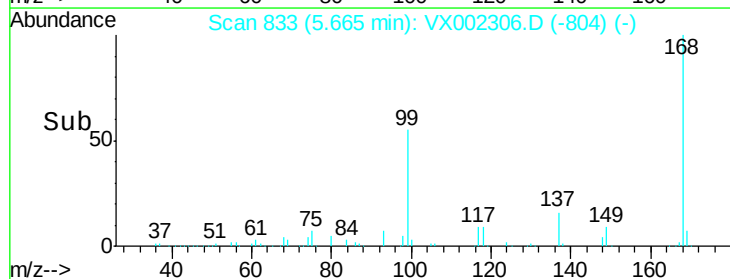
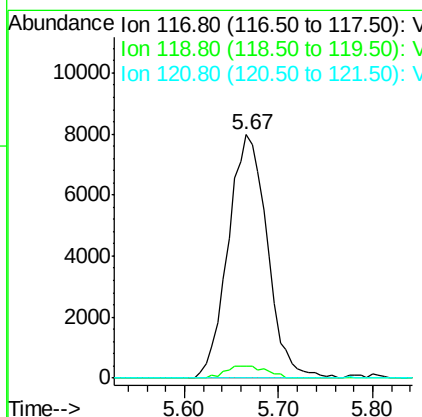
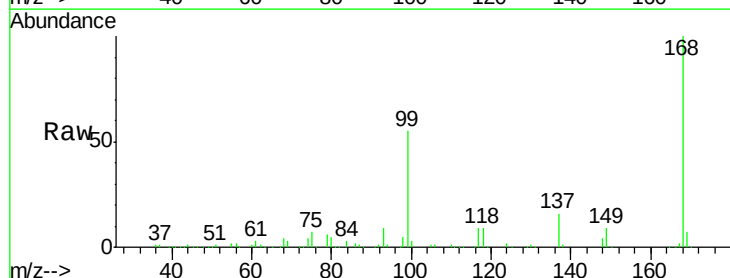
Instrument :
 MSVOA_X
 ClientSampleId :

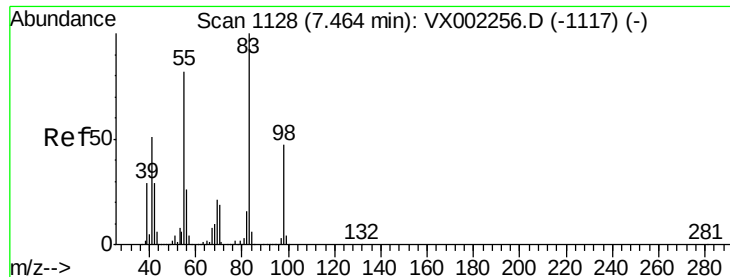
Tot Ion: 75 Resp: 17979
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.1 54.4#
 77 0.3 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.81 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002306.D
 Acq: 05 Jun 2018 15:31

Tgt Ion: 117 Resp: 23036
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.4 116.0#
 121 0.0 24.4 36.6#

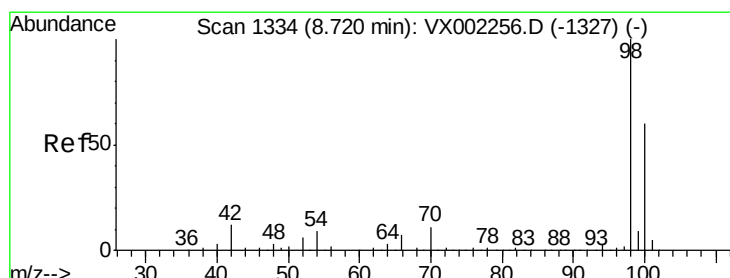
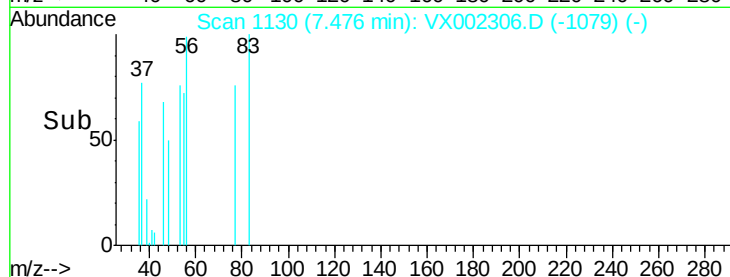
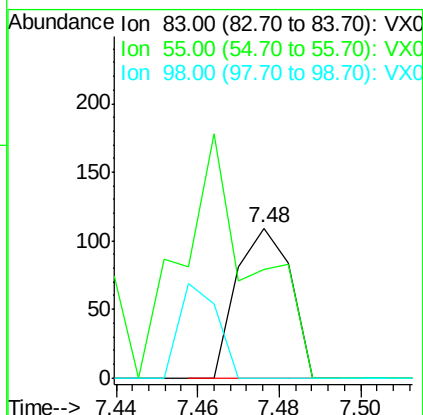
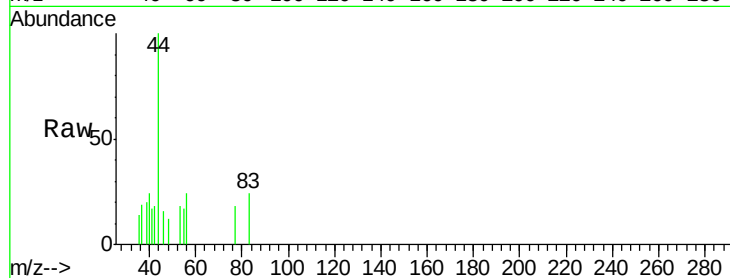




#39
Methylcyclohexane
Concen: 0.28 ug/l
RT: 7.48 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VX002306.D
Acq: 05 Jun 2018 15:31

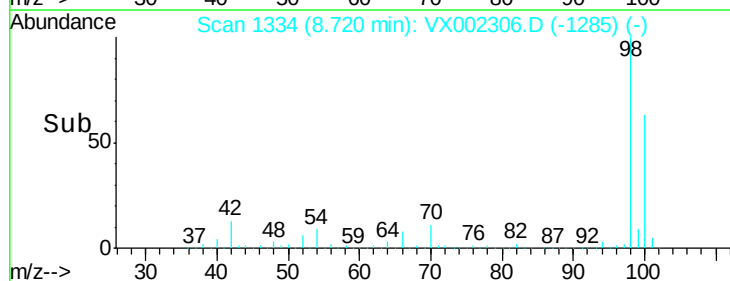
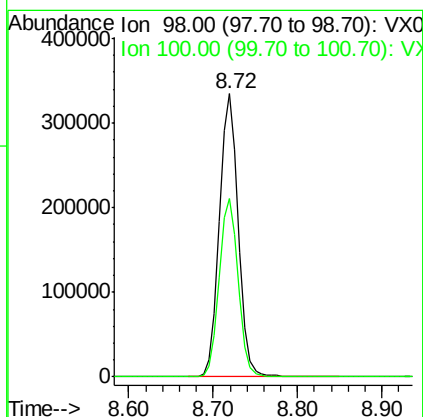
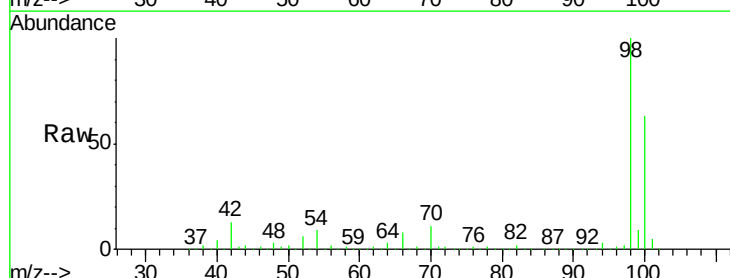
Instrument :
MSVOA_X
ClientSampled :

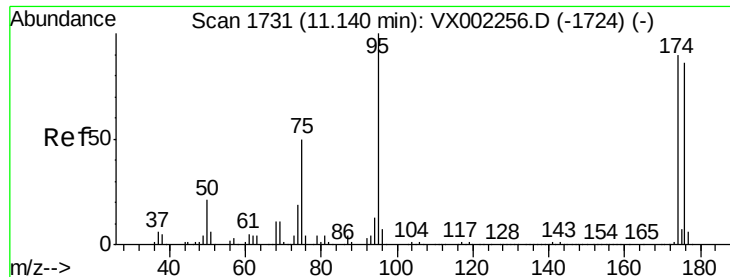
Tot Ion: 83 Resp: 100
Ion Ratio Lower Upper
83 100
55 72.5 65.4 98.0
98 0.0 37.4 56.0#



#50
Toluene-d8
Concen: 47.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002306.D
Acq: 05 Jun 2018 15:31

Tgt Ion: 98 Resp: 520900
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 43.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

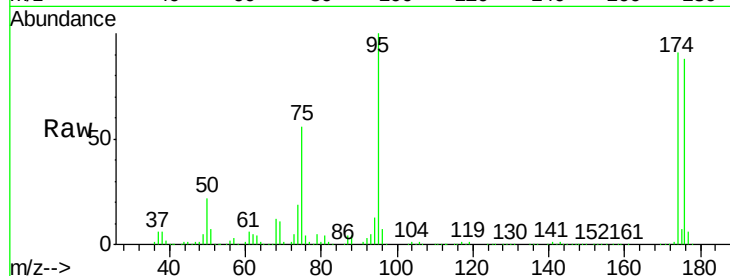
Tot Ion: 95 Resp: 182164

Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.4

176 91.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002256.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002256.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002256.D (-1724) (-)

11.14

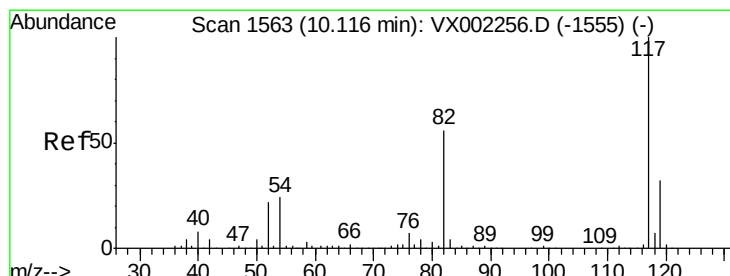
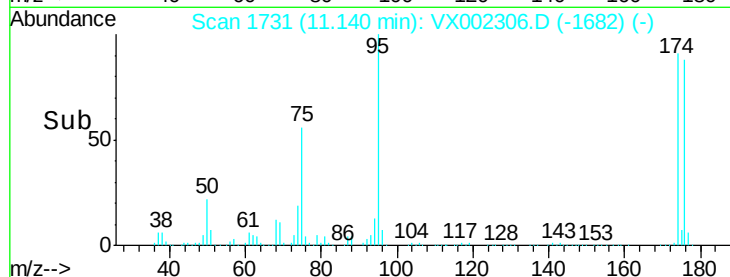
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

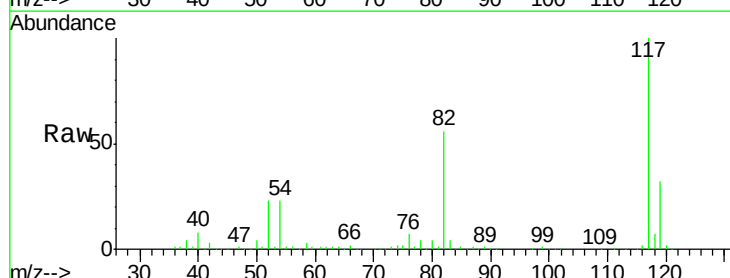
Tgt Ion: 117 Resp: 332633

Ion Ratio Lower Upper

117 100

82 55.7 45.0 67.4

119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX002256.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX002256.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002256.D (-1555) (-)

10.12

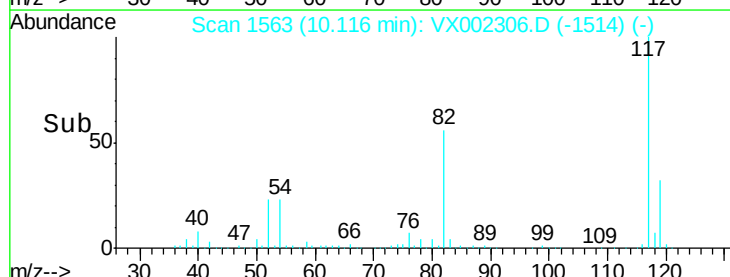
300000

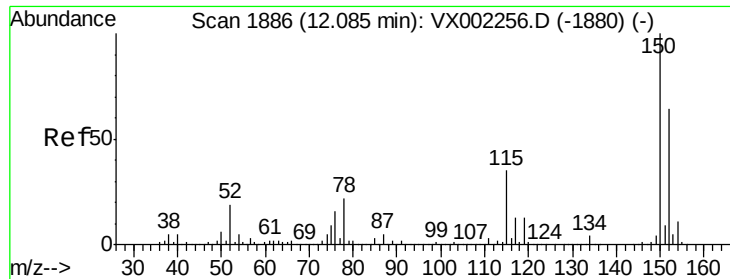
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002306.D

Acq: 05 Jun 2018 15:31

Instrument :

MSVOA_X

ClientSampled :

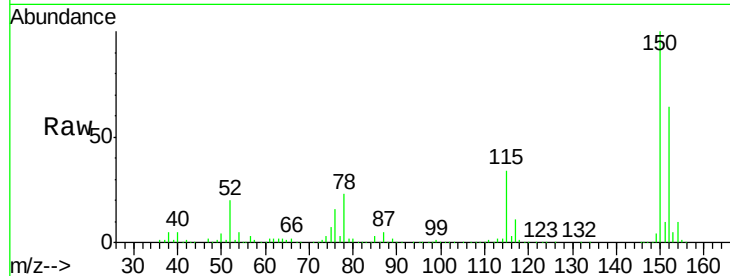
Tot Ion:152 Resp: 185982

Ion Ratio Lower Upper

152 100

115 55.2 40.1 120.2

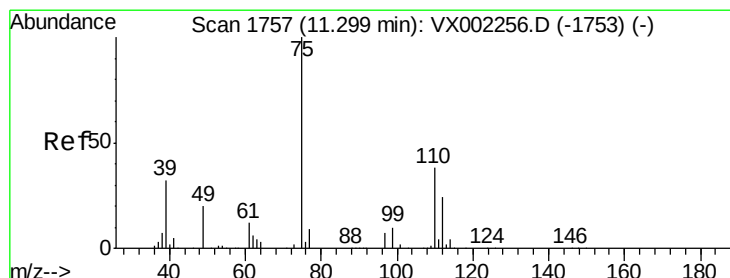
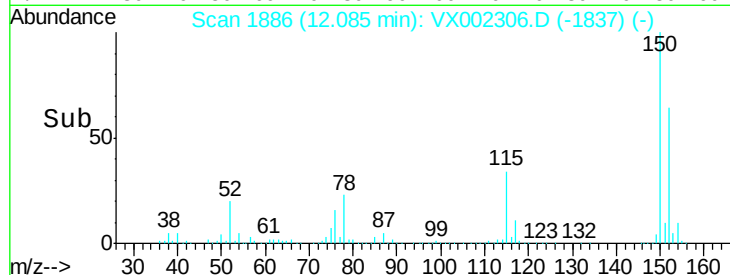
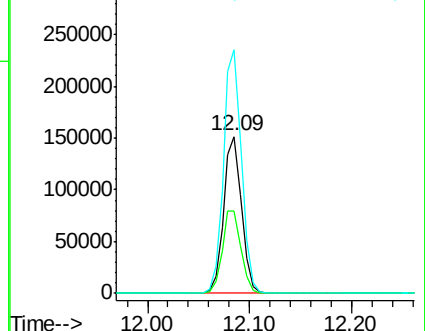
150 156.4 0.0 347.2



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: 24.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002306.D

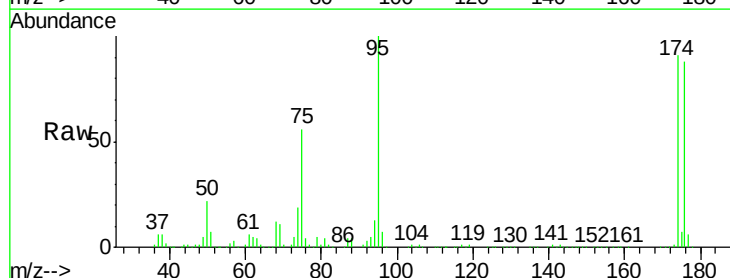
Acq: 05 Jun 2018 15:31

Tgt Ion: 75 Resp: 99936

Ion Ratio Lower Upper

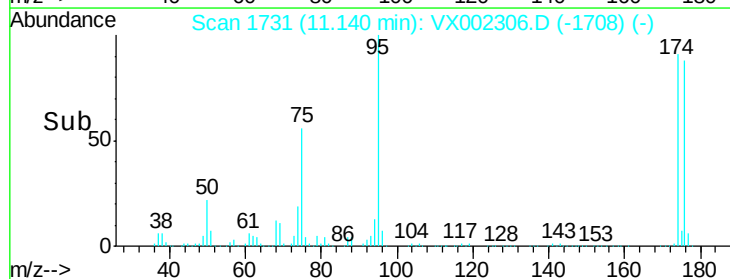
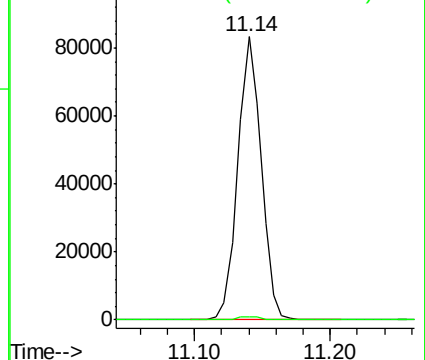
75 100

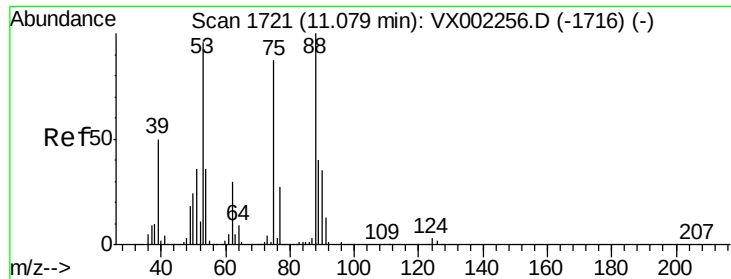
77 1.3 22.8 68.3#



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: 85.84 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002306.D
 Acq: 05 Jun 2018 15:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 99936
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

