

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003313.D
 Acq On : 11 Jul 2018 05:04
 Operator : JC/MD
 Sample : J3925-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Jul 11 05:26:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	367482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201646	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	157952	36.90	ug/l	0.00
Spiked Amount			Recovery	=	73.80%	
35) Dibromofluoromethane	5.51	113	141361	35.81	ug/l	0.00
Spiked Amount			Recovery	=	71.62%	
50) Toluene-d8	8.72	98	516767	36.85	ug/l	0.00
Spiked Amount			Recovery	=	73.70%	
62) 4-Bromofluorobenzene	11.14	95	182583	35.24	ug/l	0.00
Spiked Amount			Recovery	=	70.48%	

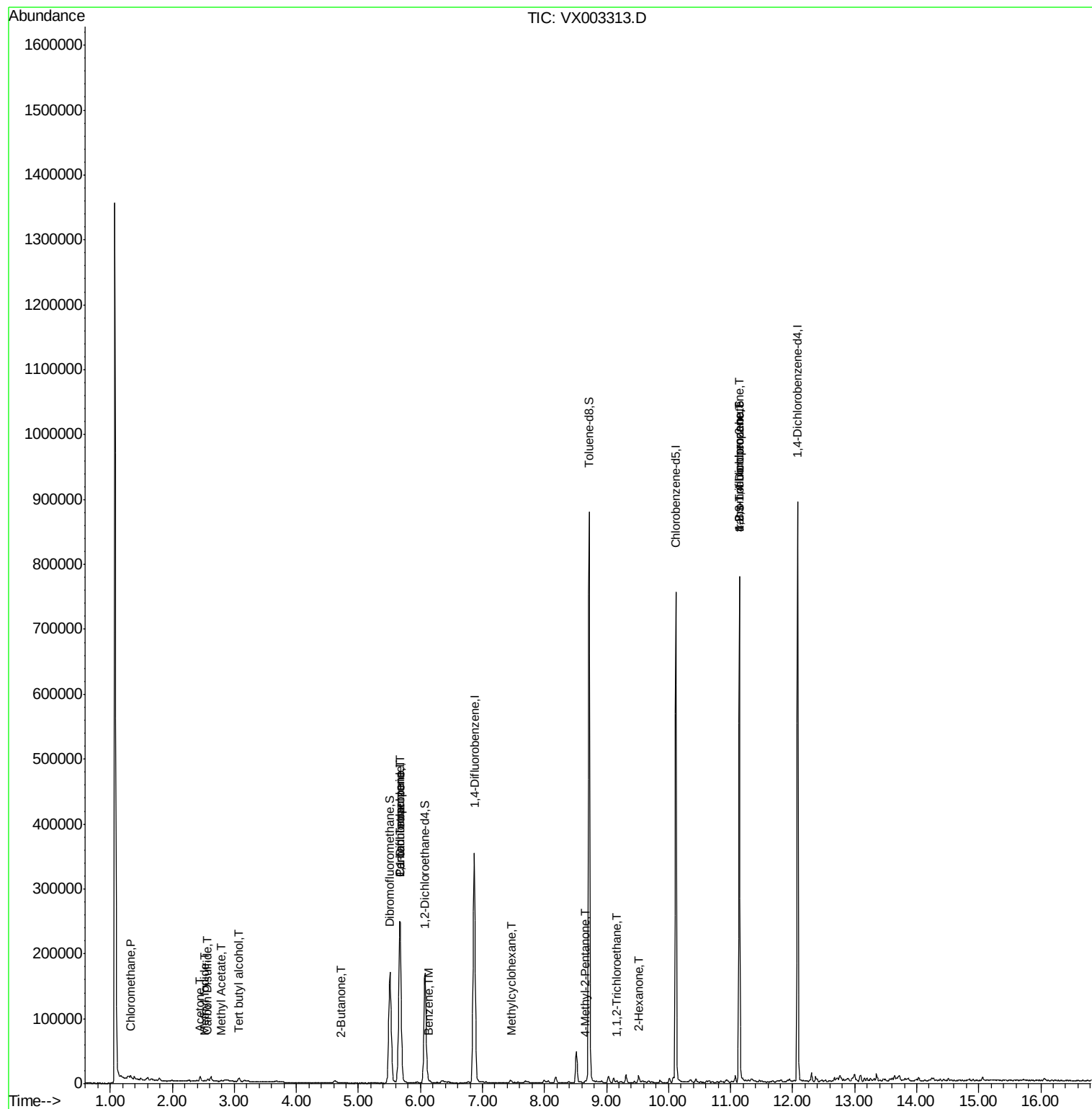
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1750	0.47	ug/l	94
5) Bromomethane	1.65	94	1282	Below Cal		96
10) Methyl Iodide	2.51	142	1228	5.94	ug/l #	89
11) Tert butyl alcohol	3.08	59	7559	9.74	ug/l #	89
16) Acetone	2.45	43	7570	4.98	ug/l	95
17) Carbon Disulfide	2.57	76	4781	0.56	ug/l	95
18) Methyl Acetate	2.79	43	1164	0.27	ug/l	91
20) Methylene Chloride	2.86	84	700	Below Cal	#	83
25) 2-Butanone	4.71	43	1930	0.72	ug/l #	67
36) 1,1-Dichloropropene	5.67	75	16265	3.13	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22720	3.99	ug/l #	17
39) Methylcyclohexane	7.47	83	1629	0.27	ug/l #	65
40) Benzene	6.14	78	3422	0.22	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	1355	0.24	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	1060	0.26	ug/l #	21
59) 2-Hexanone	9.51	43	1524	0.36	ug/l	83
76) 1,2,3-Trichloropropane	11.14	75	89279	20.49	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	89279	66.96	ug/l #	7

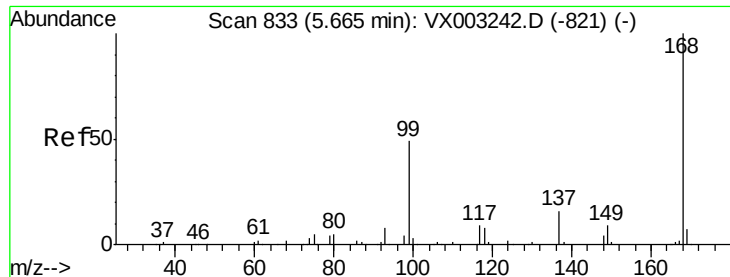
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003313.D

Acq: 11 Jul 2018 05:04

Instrument :

MSVOA_X

ClientSampleId :

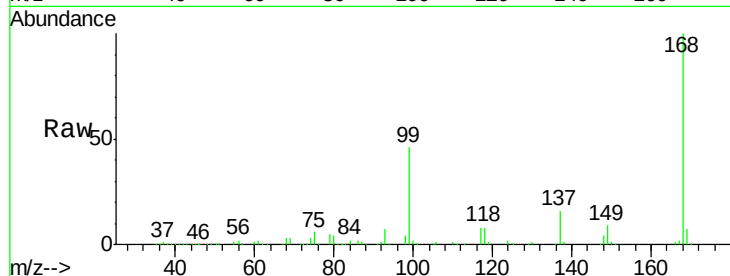
MW-2

Tot Ion:168 Resp: 271955

Ion Ratio Lower Upper

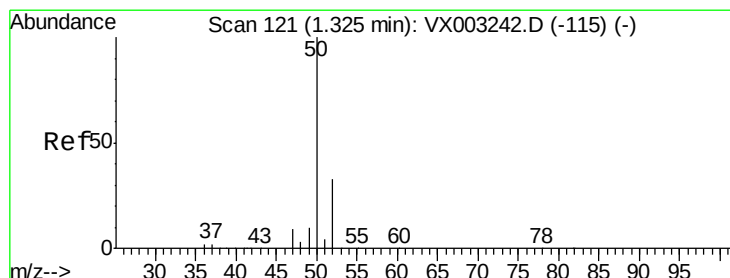
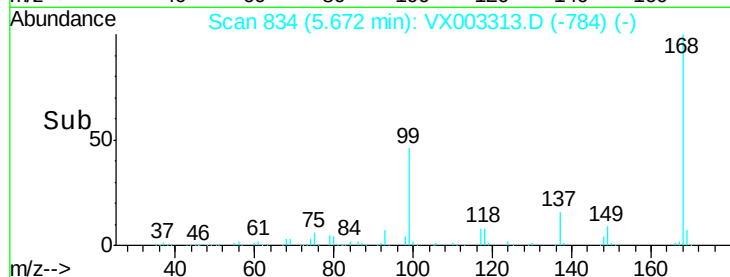
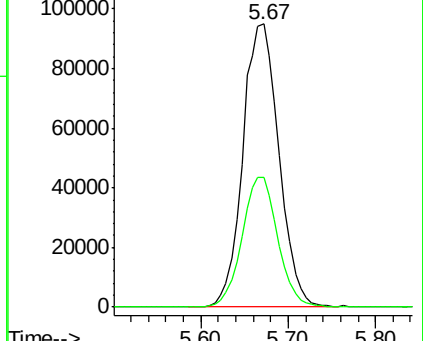
168 100

99 46.0 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: 0.47 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003313.D

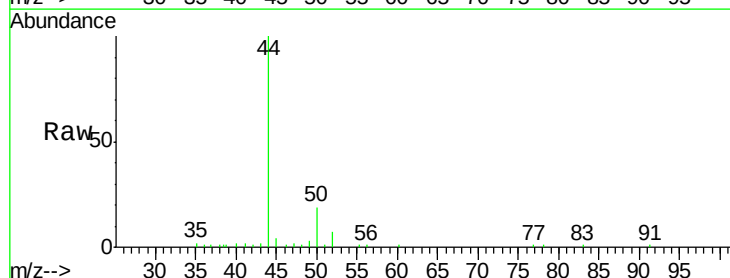
Acq: 11 Jul 2018 05:04

Tgt Ion: 50 Resp: 1750

Ion Ratio Lower Upper

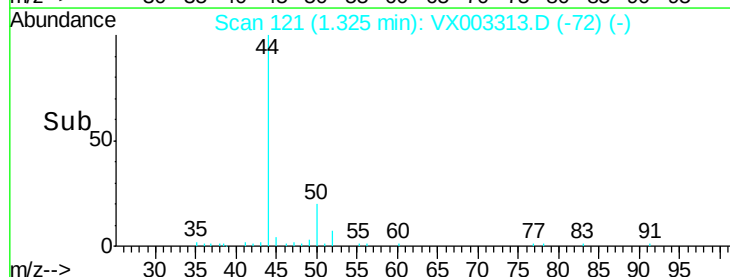
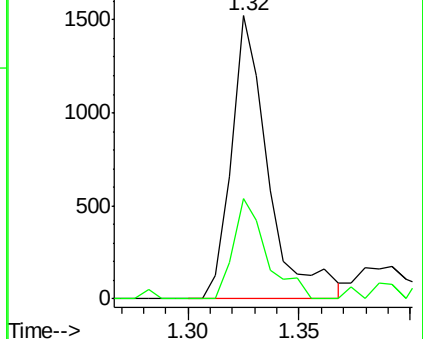
50 100

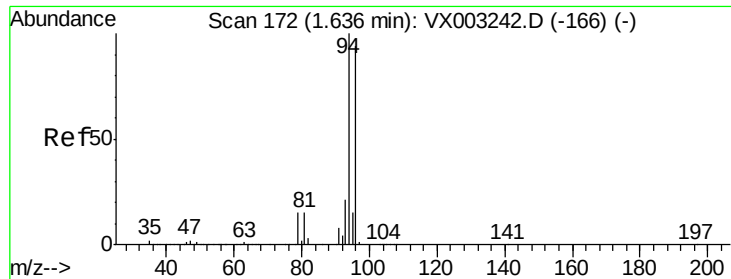
52 35.6 25.7 38.5



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: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003313.D

Acq: 11 Jul 2018 05:04

Instrument :

MSVOA_X

ClientSampled :

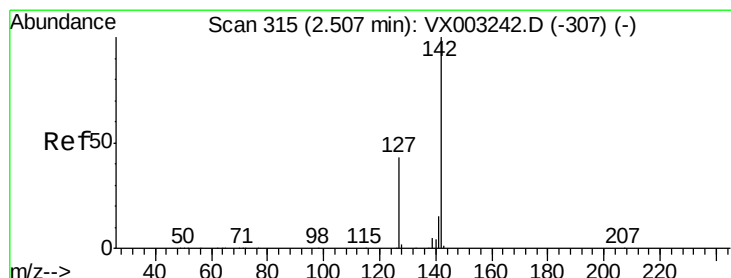
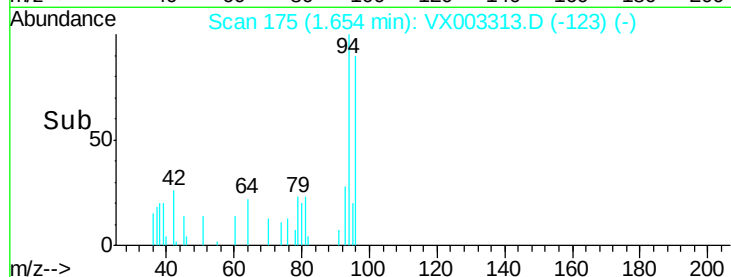
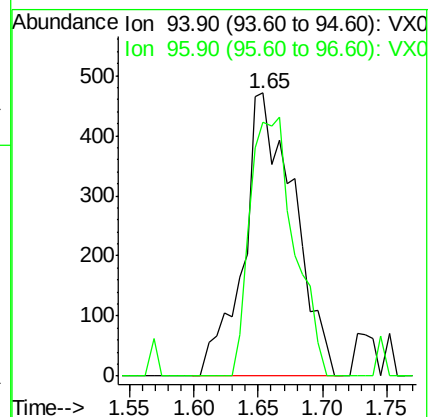
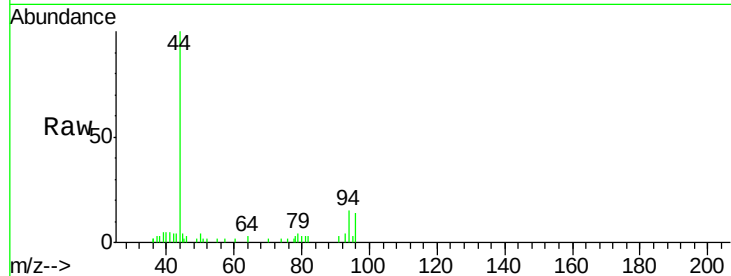
MW-2

Tot Ion: 94 Resp: 1282

Ion Ratio Lower Upper

94 100

96 89.8 74.9 112.3



#10

Methyl Iodide

Concen: 5.94 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003313.D

Acq: 11 Jul 2018 05:04

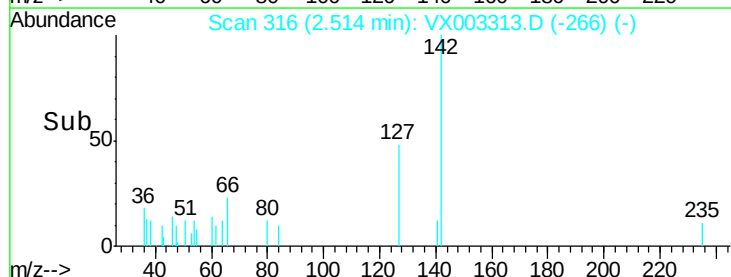
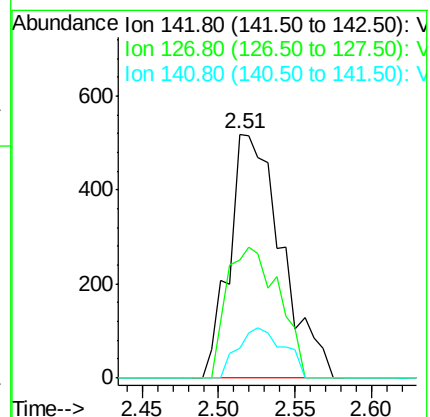
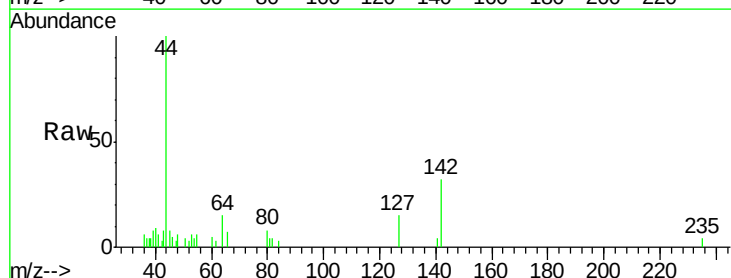
Tgt Ion: 142 Resp: 1228

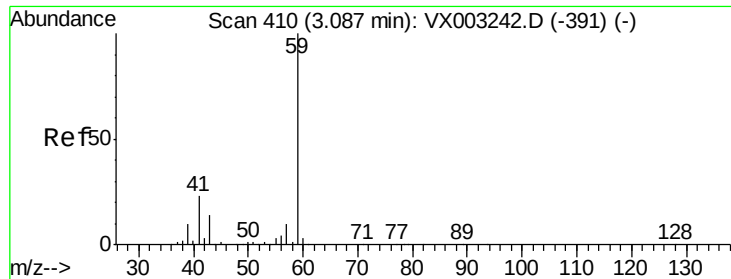
Ion Ratio Lower Upper

142 100

127 53.4 36.6 55.0

141 18.0 11.3 16.9#



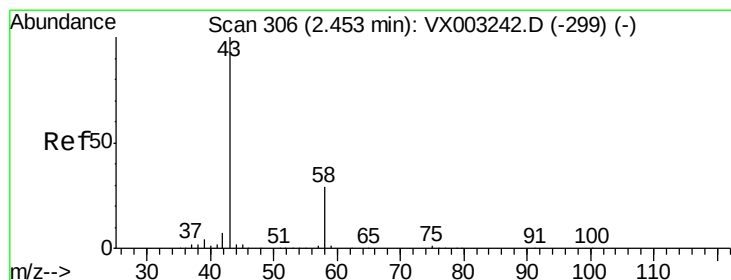
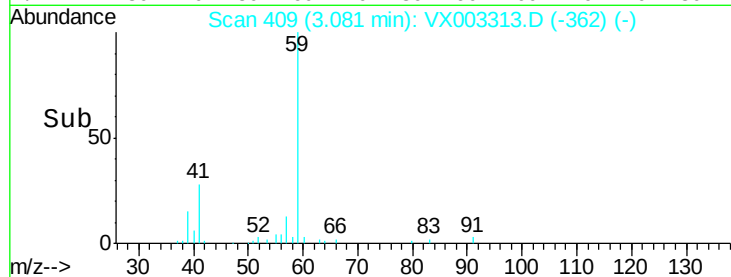
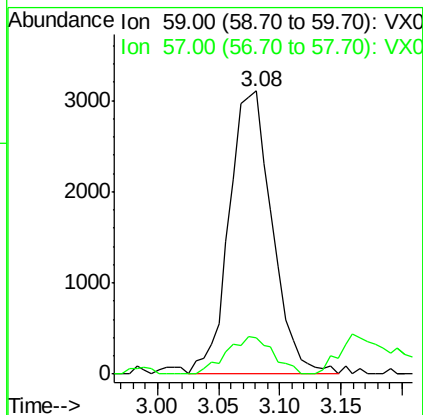
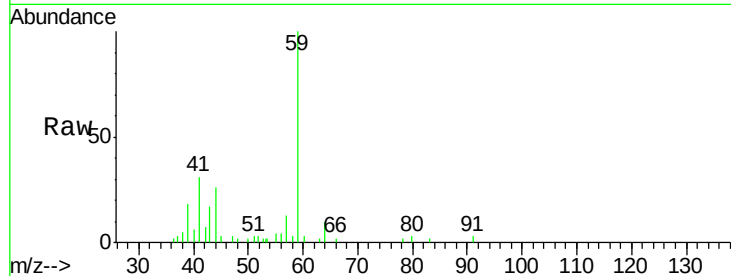


#11

Tert butyl alcohol
 Concen: 9.74 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003313.D
 Acq: 11 Jul 2018 05:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

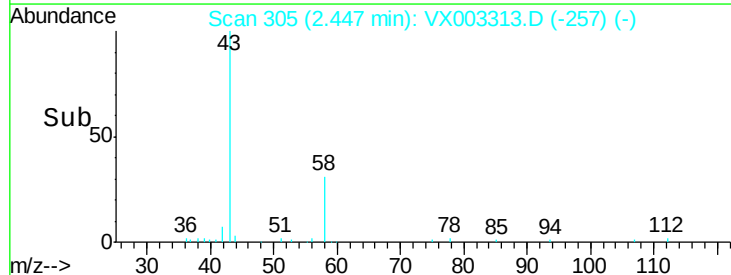
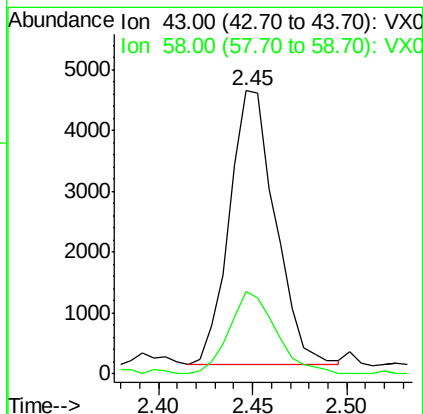
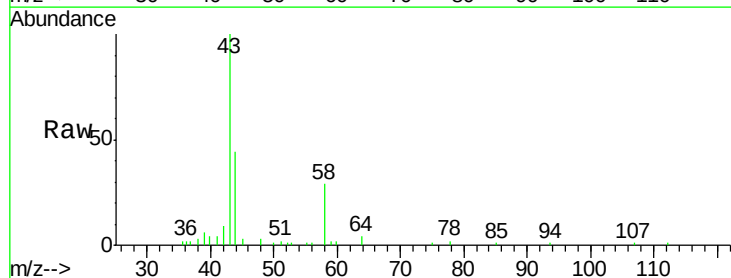
Tot Ion: 59 Resp: 7559
 Ion Ratio Lower Upper
 59 100
 57 14.3 8.2 12.2#

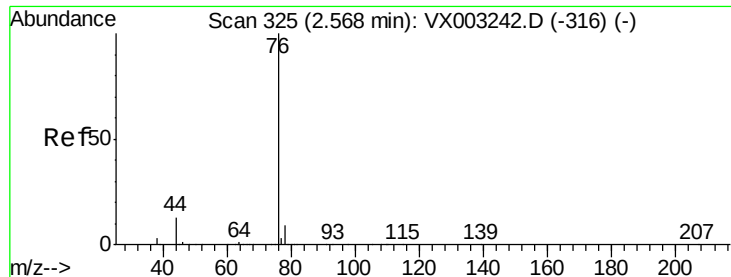


#16

Acetone
 Concen: 4.98 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX003313.D
 Acq: 11 Jul 2018 05:04

Tgt Ion: 43 Resp: 7570
 Ion Ratio Lower Upper
 43 100
 58 30.1 22.1 33.1





#17

Carbon Disulfide

Concen: 0.56 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003313.D

Acq: 11 Jul 2018 05:04

Instrument :

MSVOA_X

ClientSampled :

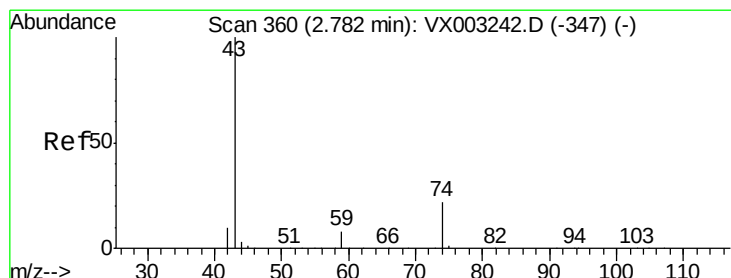
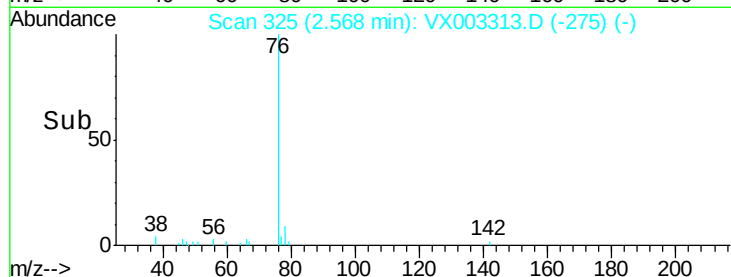
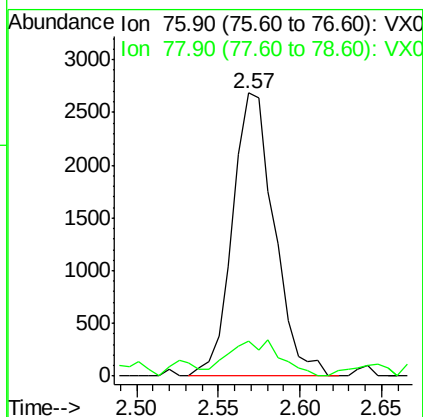
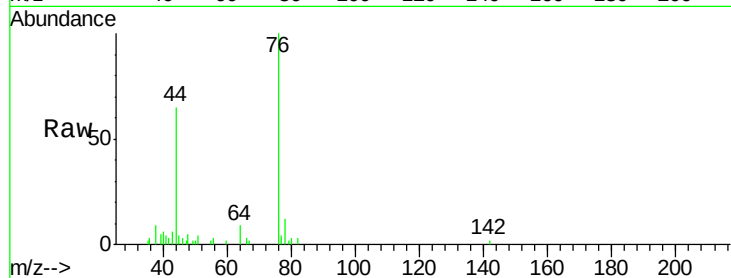
MW-2

Tot Ion: 76 Resp: 4781

Ion Ratio Lower Upper

76 100

78 10.2 6.9 10.3



#18

Methyl Acetate

Concen: 0.27 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX003313.D

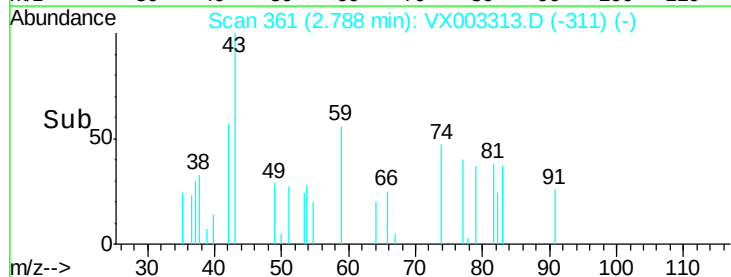
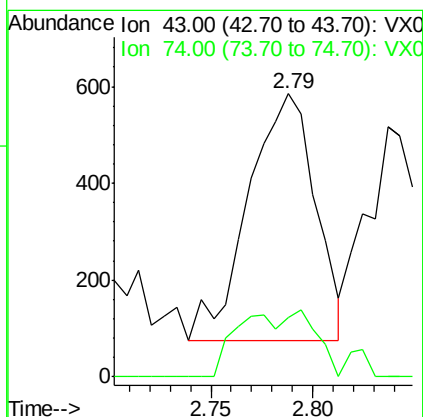
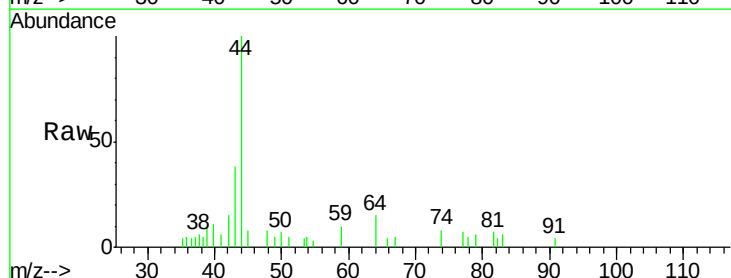
Acq: 11 Jul 2018 05:04

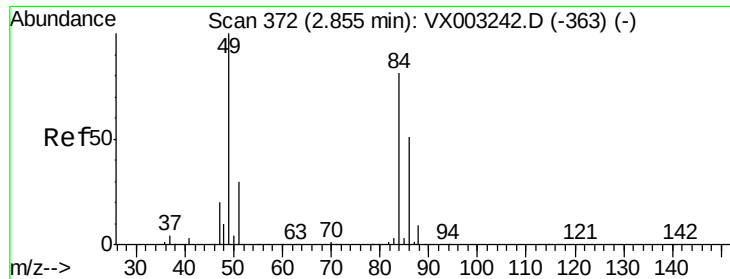
Tgt Ion: 43 Resp: 1164

Ion Ratio Lower Upper

43 100

74 16.8 16.7 25.1

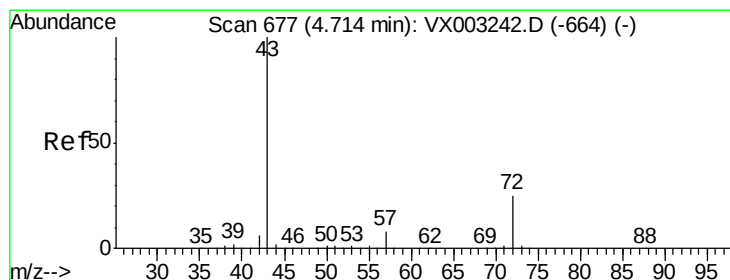
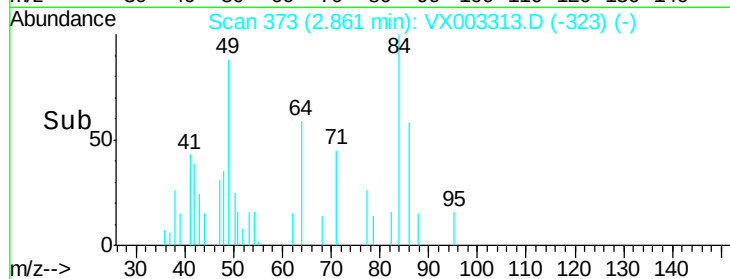
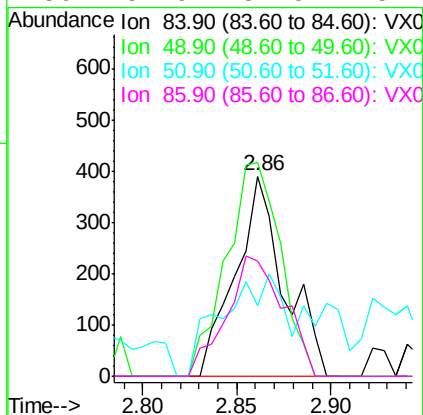
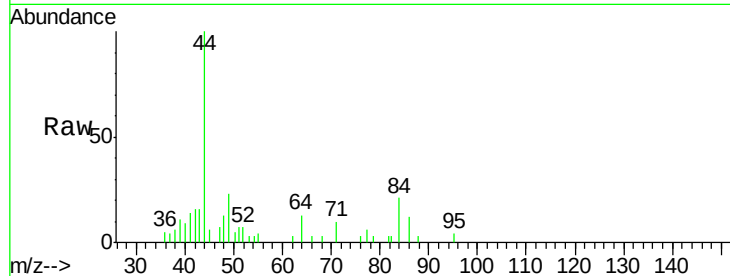




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003313.D
Acq: 11 Jul 2018 05:04

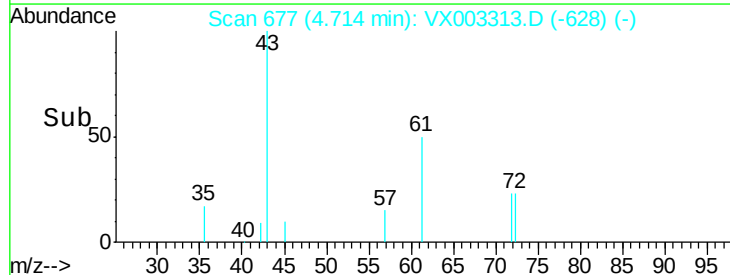
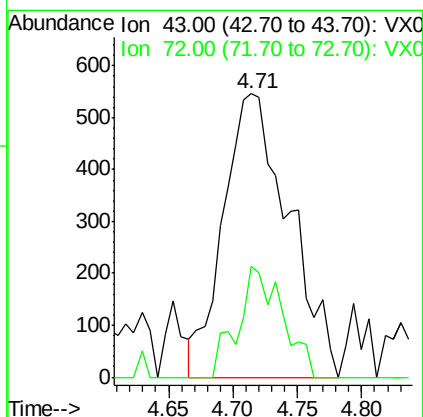
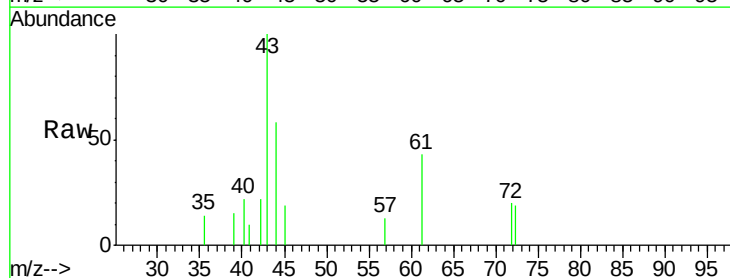
Instrument :
MSVOA_X
ClientSampled :
MW-2

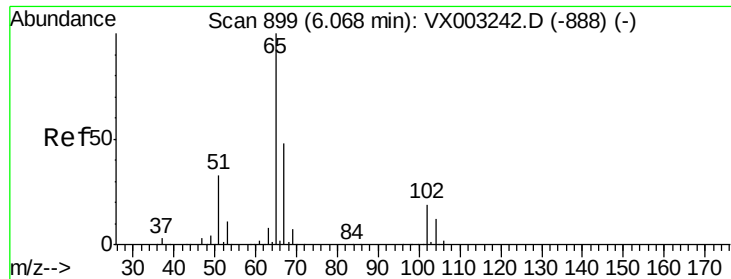
Tot Ion: 84 Resp: 700
Ion Ratio Lower Upper
84 100
49 106.7 107.8 161.6#
51 35.1 32.8 49.2
86 57.9 52.5 78.7



#25
2-Butanone
Concen: 0.72 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX003313.D
Acq: 11 Jul 2018 05:04

Tgt Ion: 43 Resp: 1930
Ion Ratio Lower Upper
43 100
72 39.0 18.5 27.7#

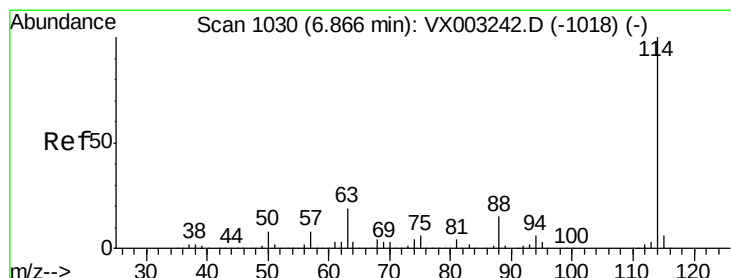
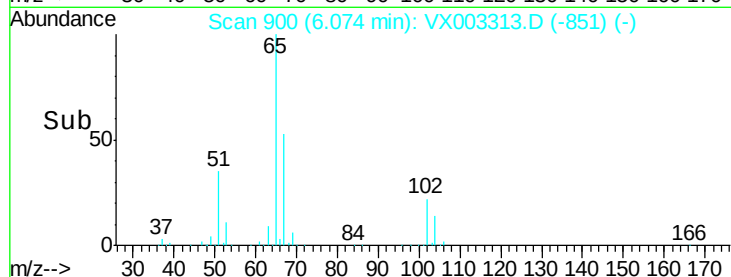
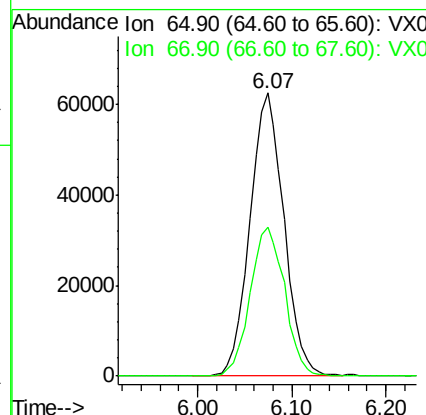
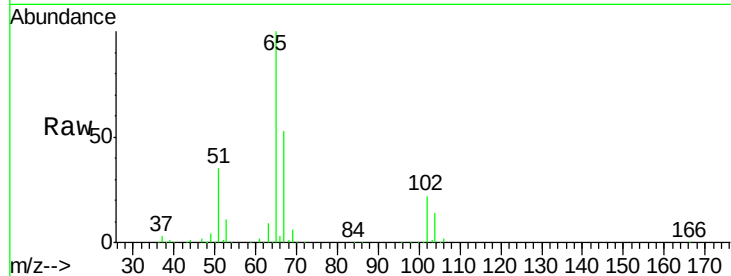




#33
 1,2-Dichloroethane-d4
 Concen: 36.90 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003313.D
 Acq: 11 Jul 2018 05:04

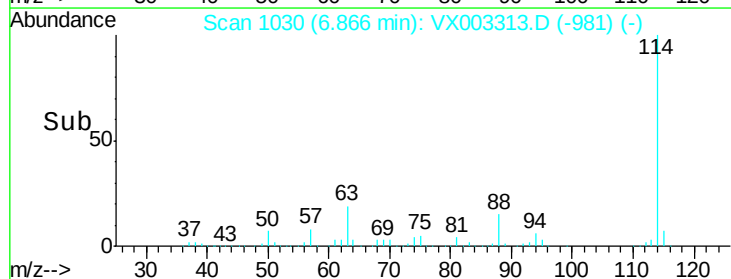
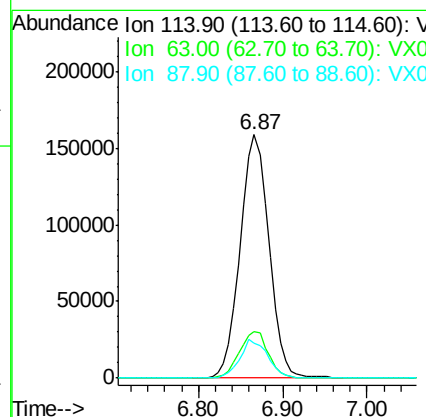
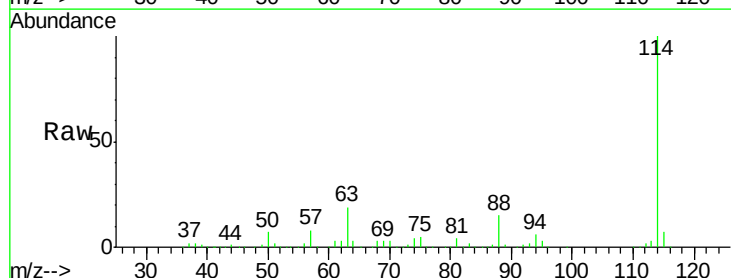
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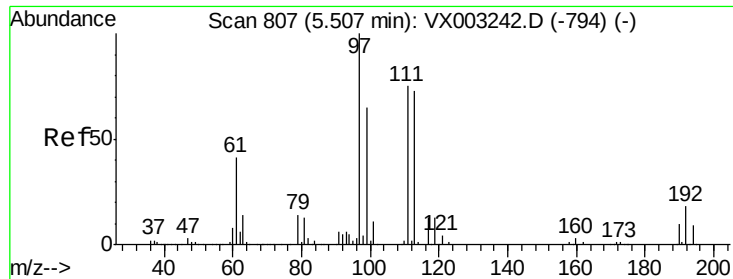
Tot Ion: 65 Resp: 157952
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003313.D
 Acq: 11 Jul 2018 05:04

Tgt Ion: 114 Resp: 367482
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.4
 88 14.6 0.0 30.0

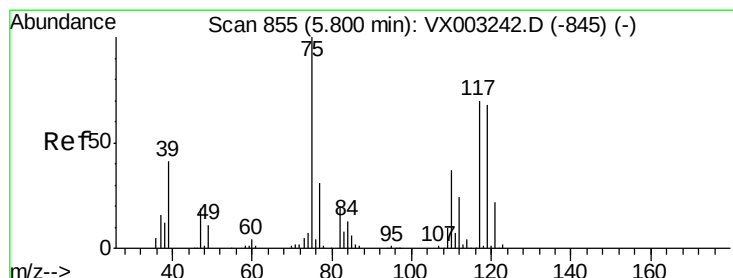
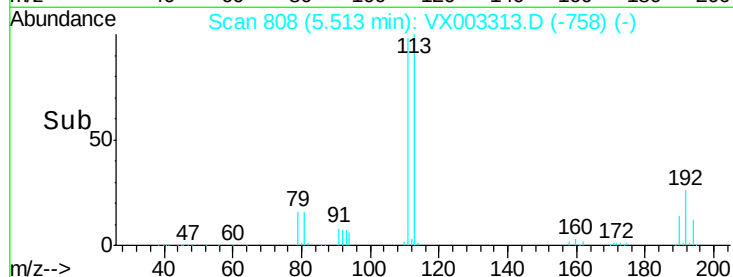
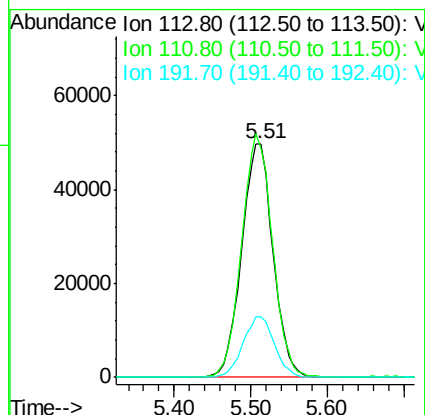
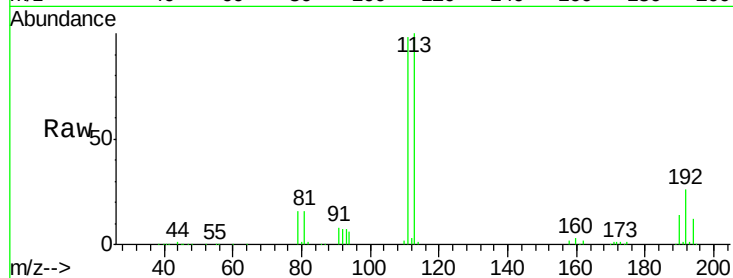




#35
 Dibromofluoromethane
 Concen: 35.81 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003313.D
 Acq: 11 Jul 2018 05:04

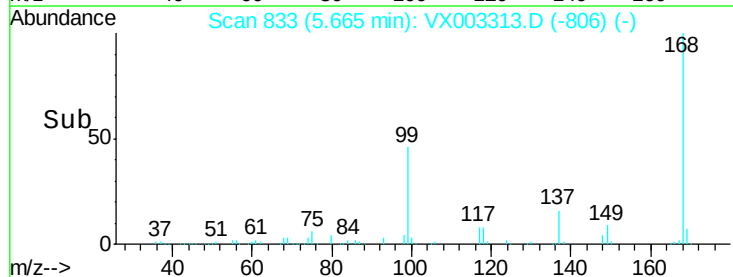
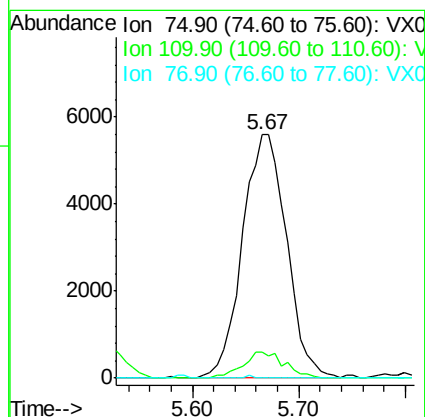
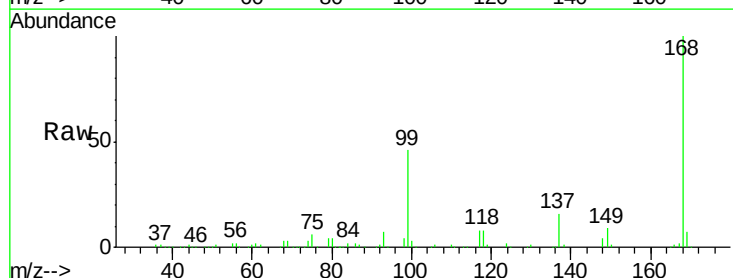
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

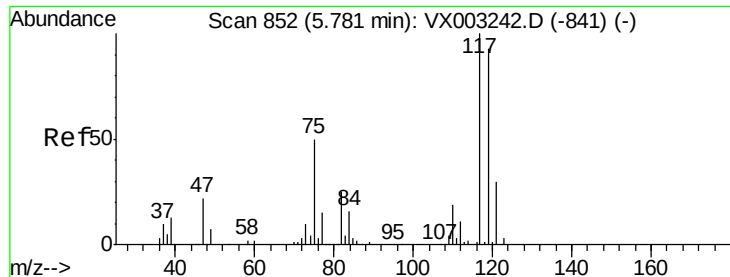
Tot Ion:113 Resp: 141361
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.0
 192 26.0 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.13 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003313.D
 Acq: 11 Jul 2018 05:04

Tgt Ion: 75 Resp: 16265
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.4#
 77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 3.99 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003313.D

Acq: 11 Jul 2018 05:04

Instrument :

MSVOA_X

ClientSampled :

MW-2

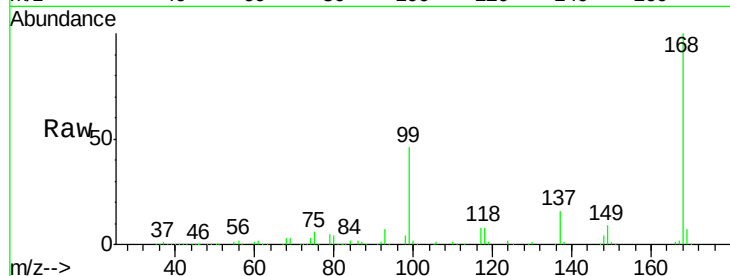
Tot Ion:117 Resp: 22720

Ion Ratio Lower Upper

117 100

119 6.8 77.4 116.0#

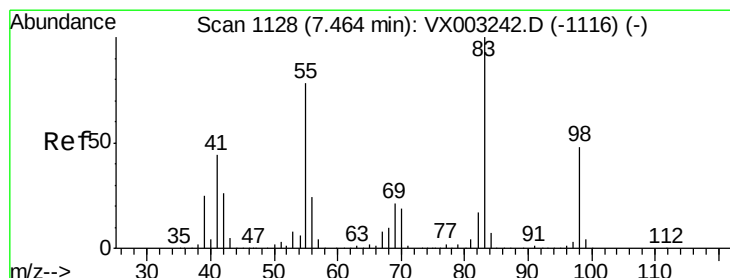
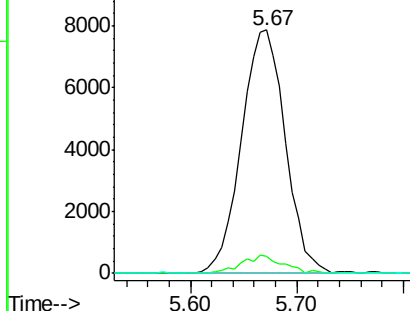
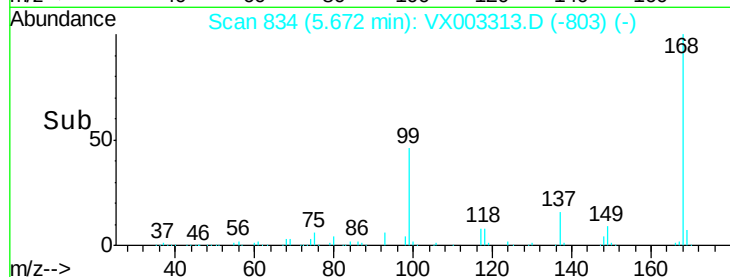
121 0.0 24.4 36.6#



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: 0.27 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX003313.D

Acq: 11 Jul 2018 05:04

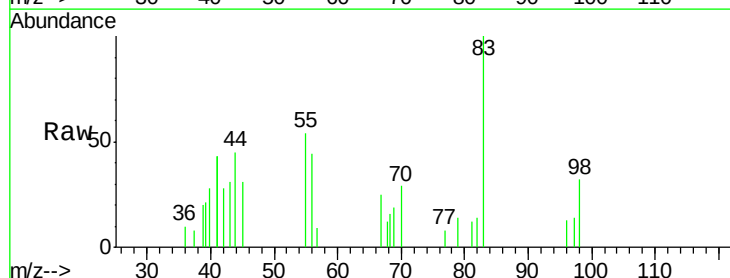
Tgt Ion: 83 Resp: 1629

Ion Ratio Lower Upper

83 100

55 43.3 65.4 98.0#

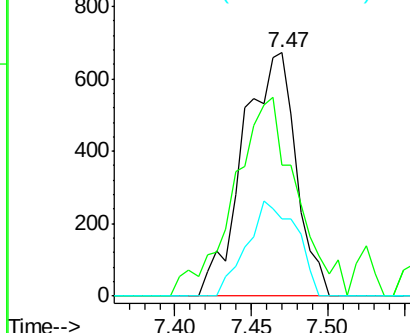
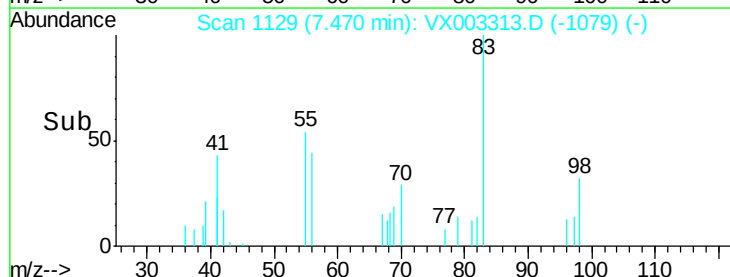
98 31.8 37.4 56.0#

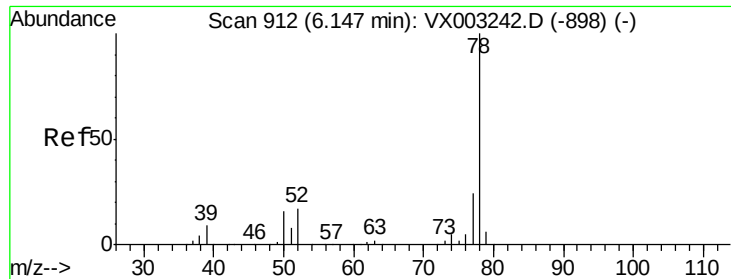


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.22 ug/l

RT: 6.14 min Scan# 911

Delta R.T. -0.01 min

Lab File: VX003313.D

Acq: 11 Jul 2018 05:04

Instrument :

MSVOA_X

ClientSampled :

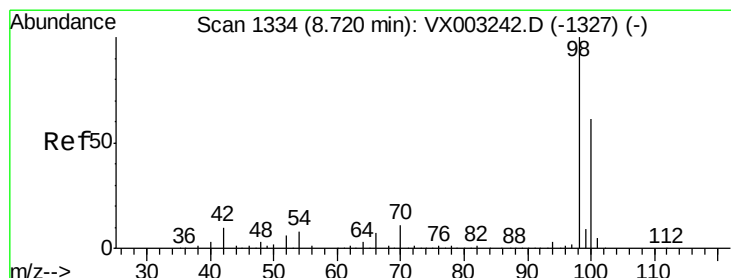
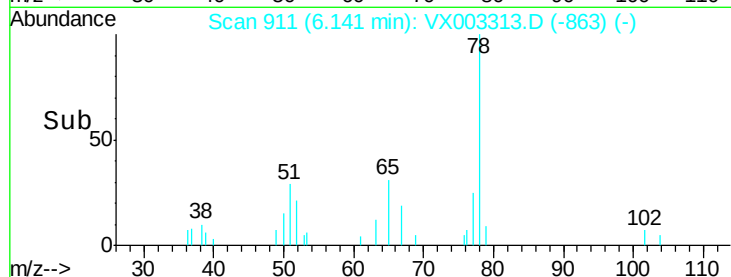
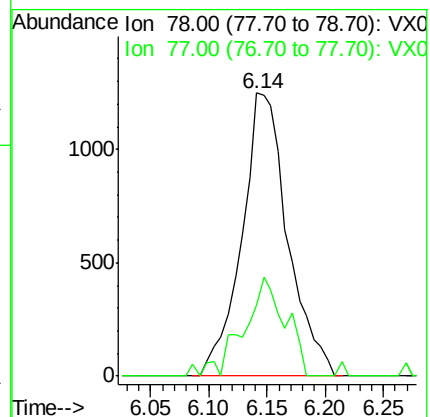
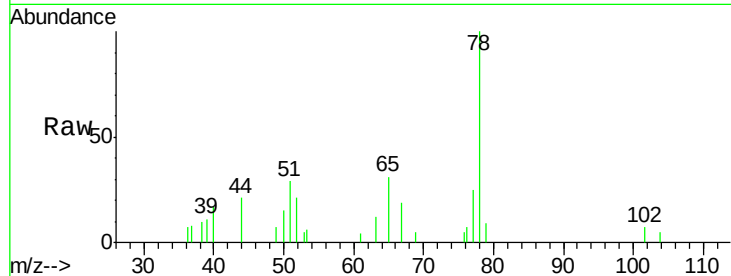
MW-2

Tot Ion: 78 Resp: 3422

Ion Ratio Lower Upper

78 100

77 20.5 19.1 28.7



#50

Toluene-d8

Concen: 36.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003313.D

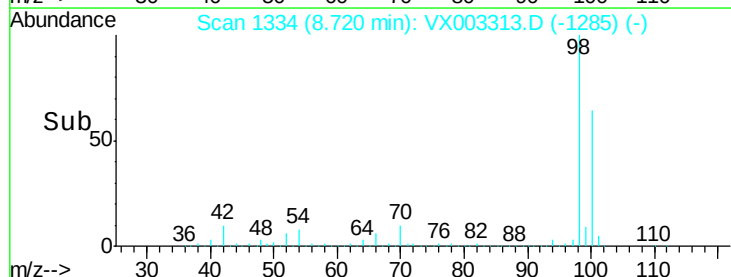
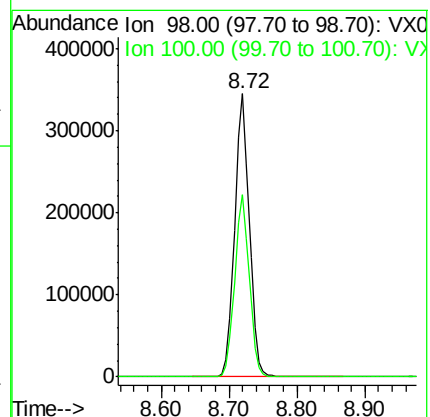
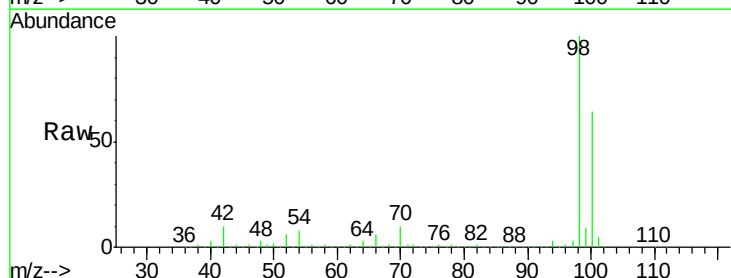
Acq: 11 Jul 2018 05:04

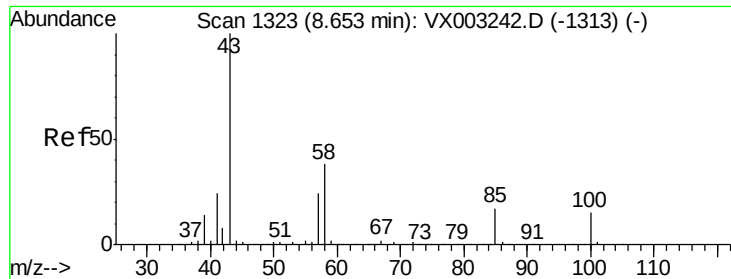
Tgt Ion: 98 Resp: 516767

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3

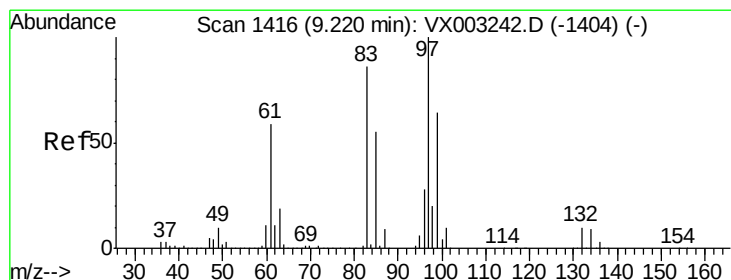
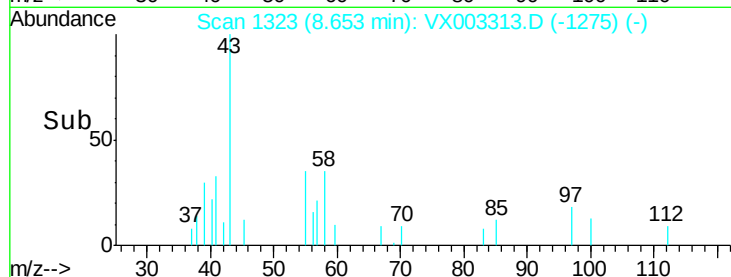
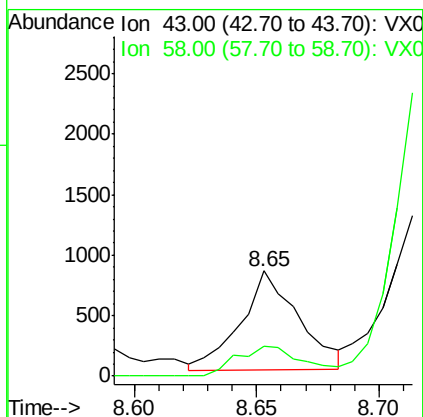
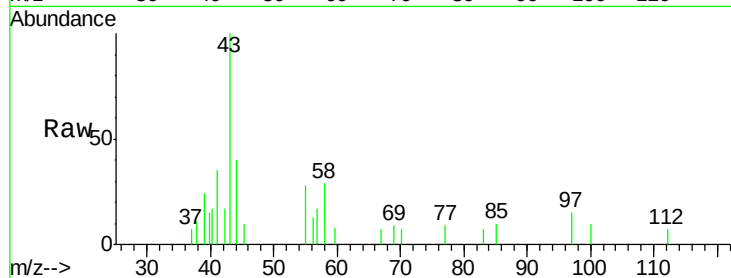




#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX003313.D
Acq: 11 Jul 2018 05:04

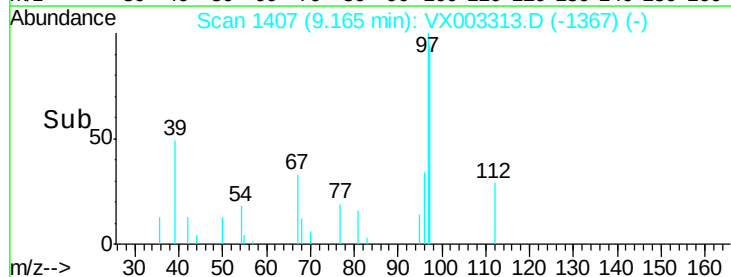
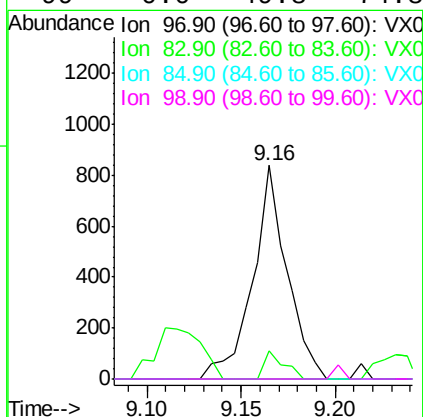
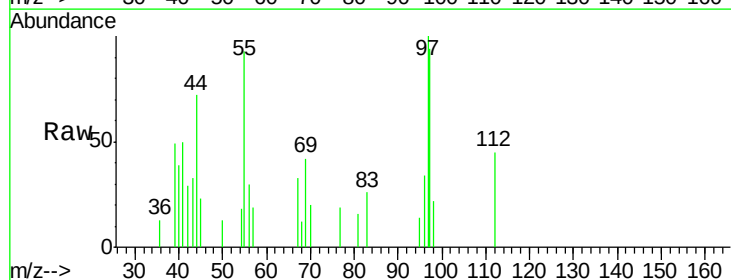
Instrument :
MSVOA_X
ClientSampled :
MW-2

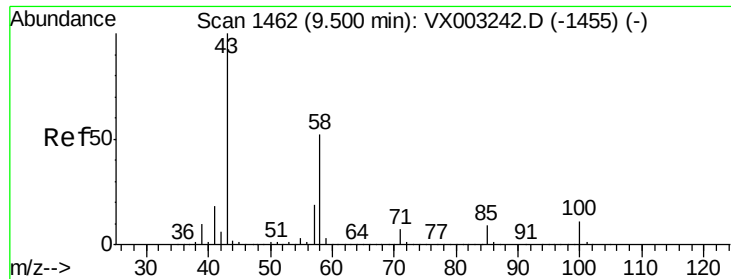
Tot Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
58 35.6 28.6 42.8



#55
1,1,2-Trichloroethane
Concen: 0.26 ug/l
RT: 9.16 min Scan# 1407
Delta R.T. -0.05 min
Lab File: VX003313.D
Acq: 11 Jul 2018 05:04

Tgt Ion: 97 Resp: 1060
Ion Ratio Lower Upper
97 100
83 13.3 70.2 105.2#
85 0.0 44.9 67.3#
99 0.0 49.8 74.8#

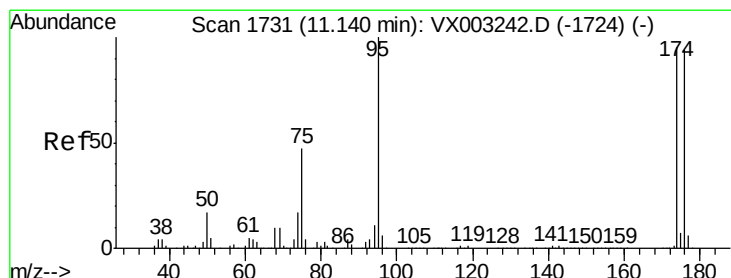
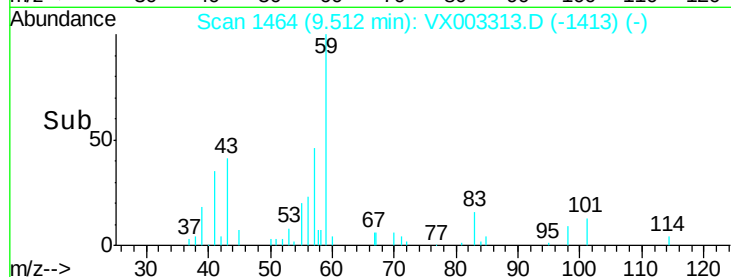
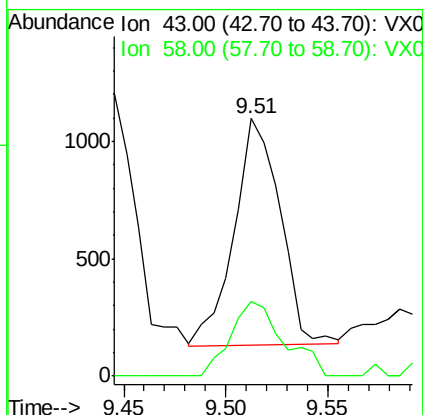
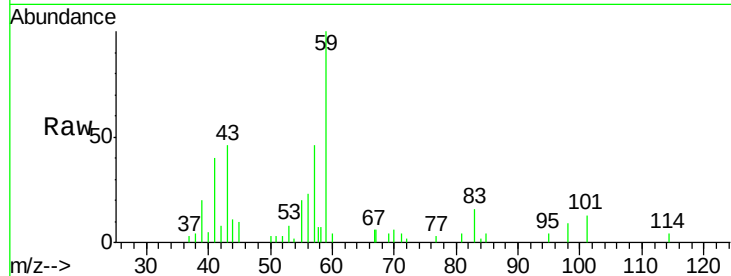




#59
2-Hexanone
Concen: 0.36 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX003313.D
Acq: 11 Jul 2018 05:04

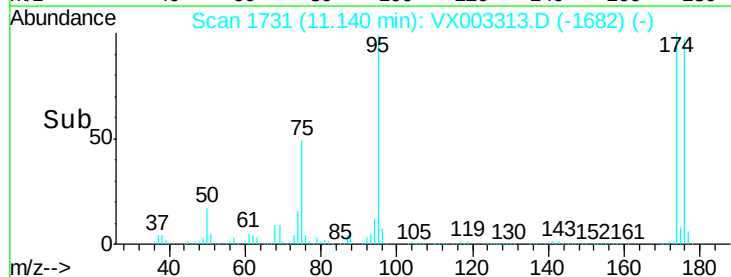
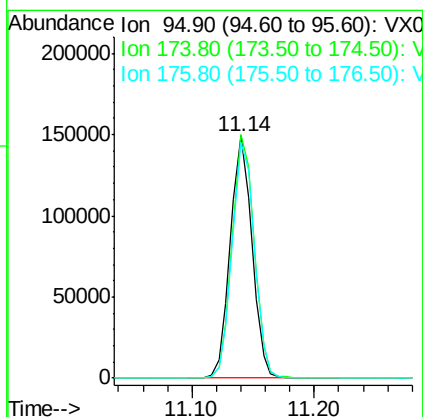
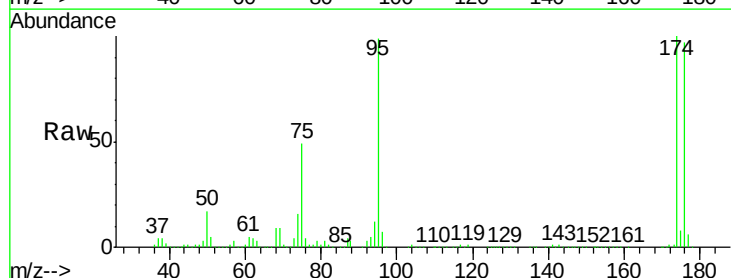
Instrument :
MSVOA_X
ClientSampled :
MW-2

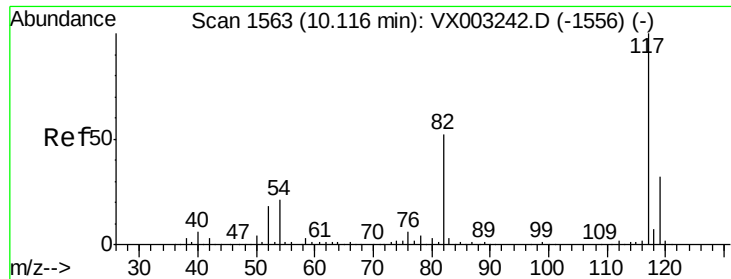
Tot Ion: 43 Resp: 1524
Ion Ratio Lower Upper
43 100
58 37.6 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 35.24 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003313.D
Acq: 11 Jul 2018 05:04

Tgt Ion: 95 Resp: 182583
Ion Ratio Lower Upper
95 100
174 102.0 0.0 187.4
176 98.9 0.0 181.0

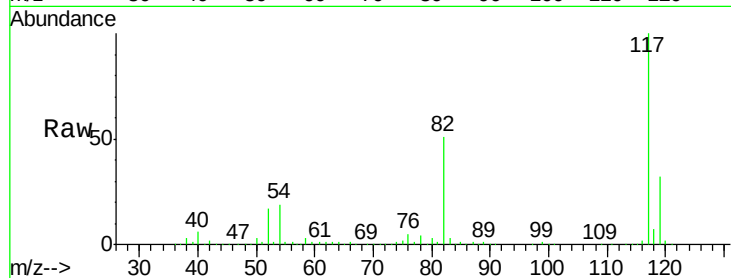




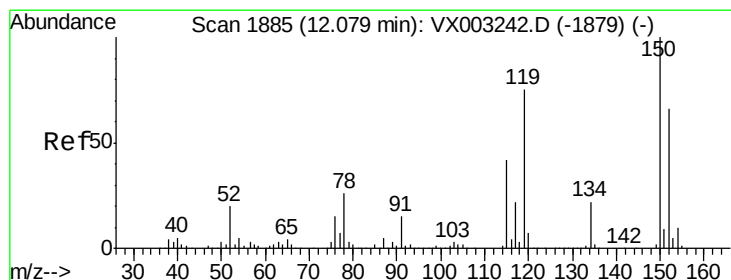
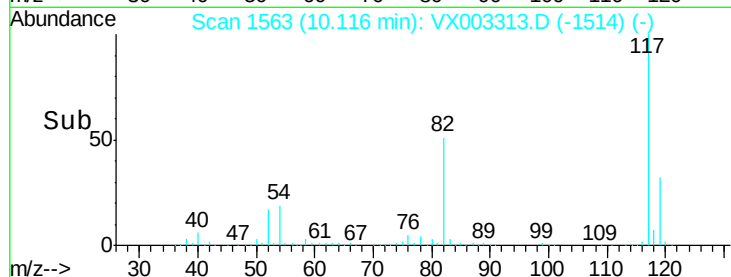
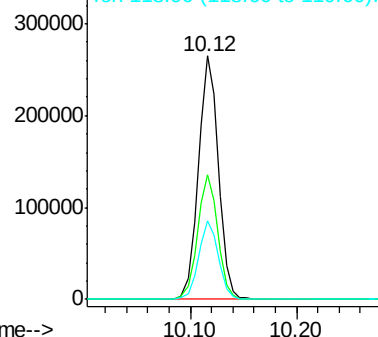
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003313.D
Acq: 11 Jul 2018 05:04

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:117 Resp: 349124
Ion Ratio Lower Upper
117 100
82 51.0 45.0 67.4
119 32.3 25.8 38.6

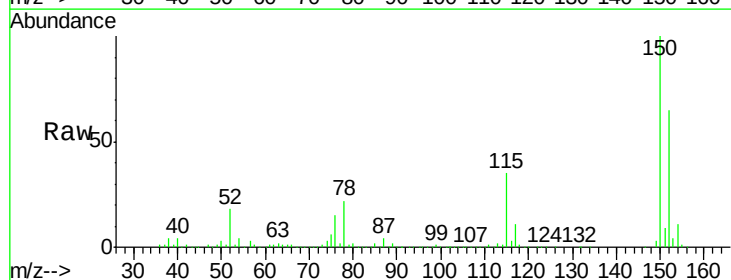


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

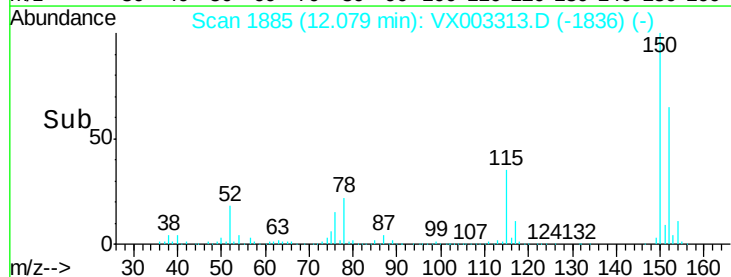
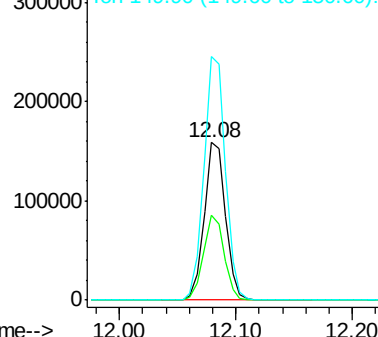


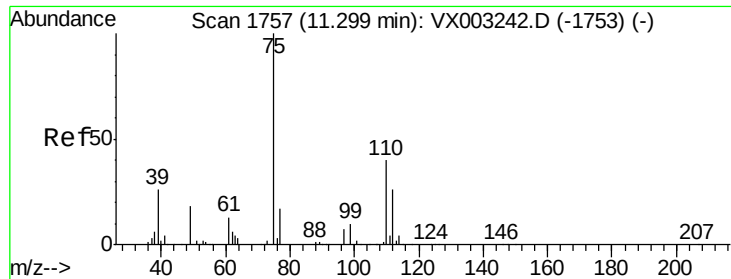
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003313.D
Acq: 11 Jul 2018 05:04

Tgt Ion:152 Resp: 201646
Ion Ratio Lower Upper
152 100
115 53.0 40.1 120.2
150 156.2 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

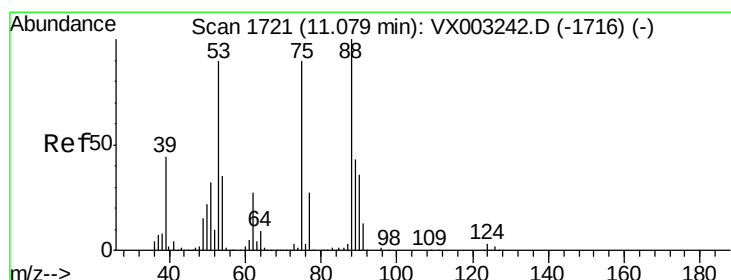
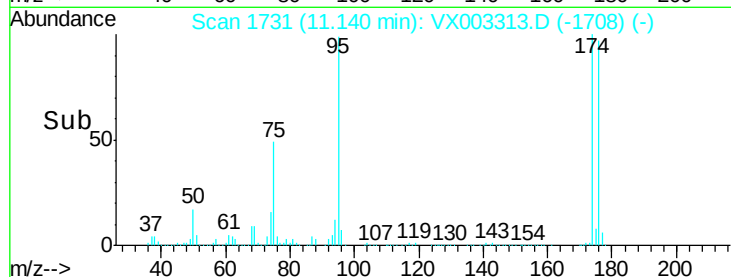
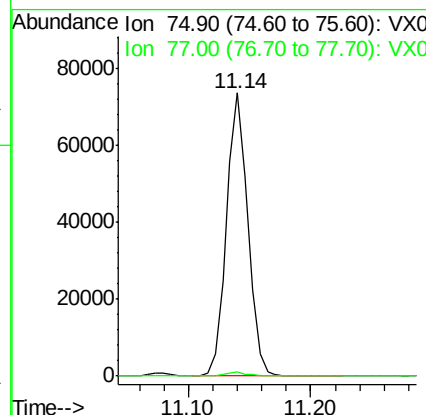
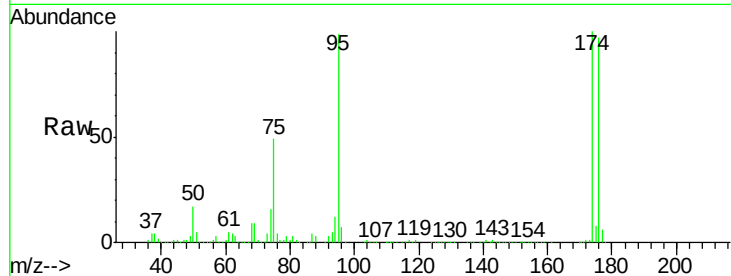




#76
 1,2,3-Trichloropropane
 Concen: 20.49 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003313.D
 Acq: 11 Jul 2018 05:04

Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

Tot Ion: 75 Resp: 89279
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.96 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003313.D
 Acq: 11 Jul 2018 05:04

Tgt Ion: 75 Resp: 89279
 Ion Ratio Lower Upper
 75 100
 53 0.4 86.8 130.2#
 89 0.0 38.2 57.2#

