

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002355.D
 Acq On : 06 Jun 2018 16:22
 Operator : JC/MD
 Sample : J3311-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 07 03:23:27 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	236728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	180862	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	164368	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	5.51	113	122477	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	
50) Toluene-d8	8.72	98	497437	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	11.14	95	178182	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1492	Below Cal	#	67
5) Bromomethane	1.65	94	996	Below Cal	#	75
6) Chloroethane	1.92	64	478	0.24	ug/l	70
8) Diethyl Ether	2.19	74	137	Below Cal		58
10) Methyl Iodide	2.52	142	1441	0.40	ug/l	87
11) Tert butyl alcohol	3.07	59	3151	Below Cal	#	73
13) Acrolein	2.31	56	245	Below Cal	#	14
14) Allyl chloride	2.84	41	9996	1.83	ug/l	79
15) Acrylonitrile	3.17	53	2945	Below Cal	#	37
16) Acetone	2.45	43	2568	Below Cal	#	85
18) Methyl Acetate	2.85	43	18716	2.98	ug/l	55
19) Methyl tert-butyl Ether	3.21	73	19179	Below Cal	#	46
20) Methylene Chloride	2.86	84	506	Below Cal	#	62
22) Diisopropyl ether	3.89	45	1072	Below Cal	#	47
25) 2-Butanone	4.71	43	902	0.39	ug/l	56
28) Bromochloromethane	5.06	49	74	Below Cal	#	13
30) Chloroform	5.27	83	1414	0.27	ug/l	45
31) Cyclohexane	5.58	56	174288	40.78	ug/l	94
36) 1,1-Dichloropropene	5.67	75	16769	4.61	ug/l	51
38) Carbon Tetrachloride	5.67	117	21422	5.63	ug/l	15
39) Methylcyclohexane	7.46	83	272941	60.73	ug/l	98
40) Benzene	6.15	78	71849	6.45	ug/l	99
43) Isopropyl Acetate	6.46	43	7216	0.97	ug/l	71
45) 1,2-Dichloropropane	7.46	63	3462	1.15	ug/l	1
48) Methyl methacrylate	7.74	41	11787	3.16	ug/l	59
51) 4-Methyl-2-Pentanone	8.66	43	4922	1.06	ug/l	65
52) Toluene	8.79	92	8742	1.23	ug/l	99
55) 1,1,2-Trichloroethane	9.17	97	21081	7.23	ug/l	18
56) Ethyl methacrylate	9.16	69	5278	1.13	ug/l	1
67) Ethyl Benzene	10.26	91	4332	0.33	ug/l	99
68) m/p-Xylenes	10.37	106	2722	0.53	ug/l	79
69) o-Xylene	10.70	106	2659	0.52	ug/l	100
71) Bromoform	10.79	173	46	3.47	ug/l	28
73) Isopropylbenzene	11.02	105	300014	23.85	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

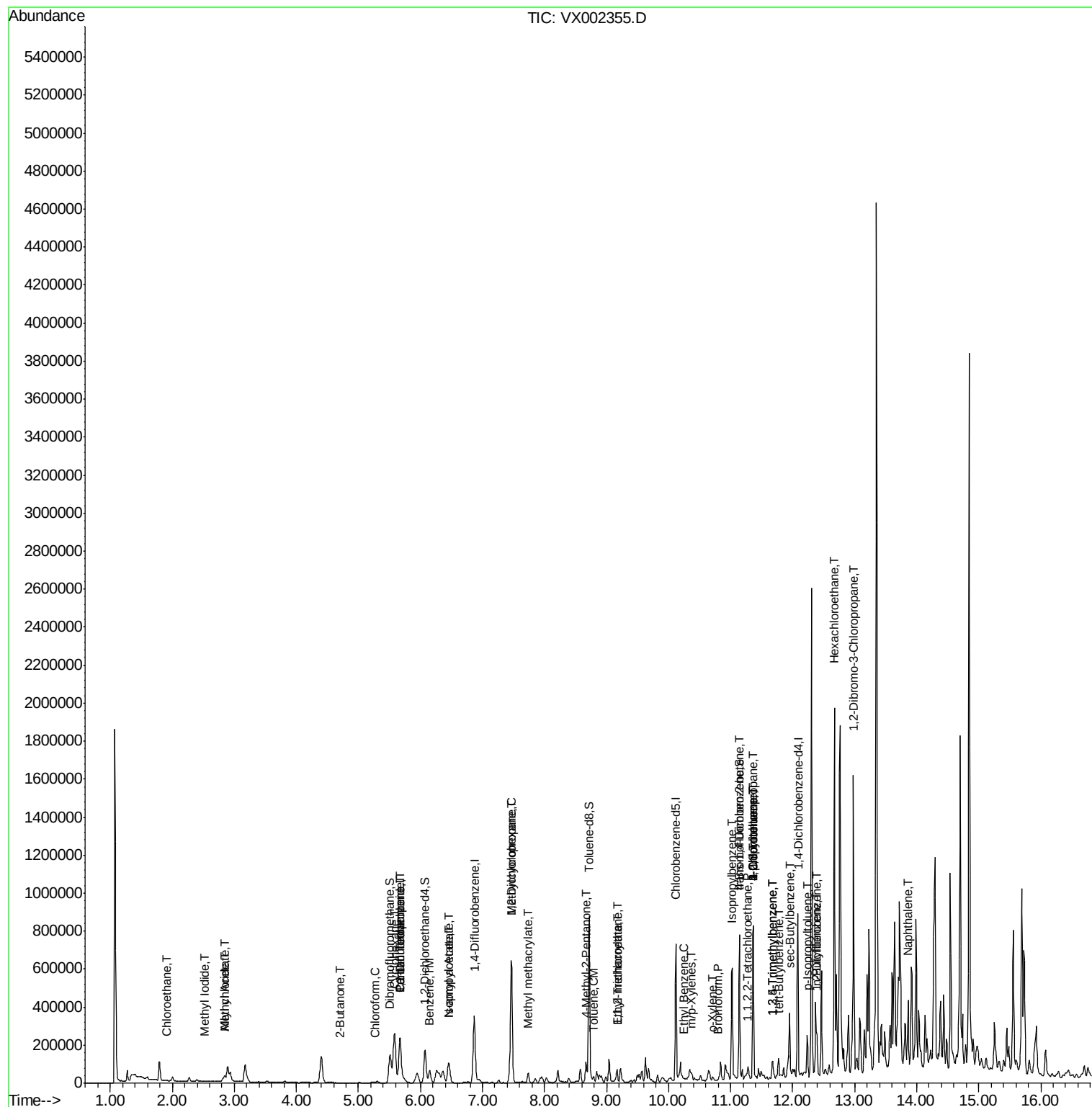
74) N-amyl acetate	6.46	43	7216	1.06	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.28	83	3642	0.92	ug/l #	26
76) 1,2,3-Trichloropropane	11.37	75	3492	0.88	ug/l #	1
78) n-propylbenzene	11.37	91	487796	34.88	ug/l	99
79) 2-Chlorotoluene	11.37	91	487796	55.24	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.67	105	25081	2.32	ug/l	74
81) trans-1,4-Dichloro-2-buten	11.14	75	93716	82.78	ug/l #	6
82) 4-Chlorotoluene	11.37	91	487796	47.86	ug/l #	44
83) tert-Butylbenzene	11.77	119	27146	2.58	ug/l	92
84) 1,2,4-Trimethylbenzene	11.67	105	25369	2.28	ug/l	79
85) sec-Butylbenzene	11.95	105	161017	13.07	ug/l	83
86) p-Isopropyltoluene	12.24	119	94769	8.45	ug/l	96
89) n-Butylbenzene	12.39	91	93129	9.90	ug/l #	70
90) Hexachloroethane	12.67	117	84203	47.01	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	1377	0.21	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.98	75	5445	6.29	ug/l #	30
95) Naphthalene	13.85	128	8958	0.68	ug/l #	1

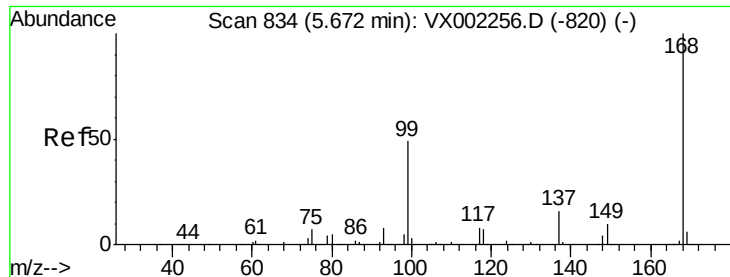
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

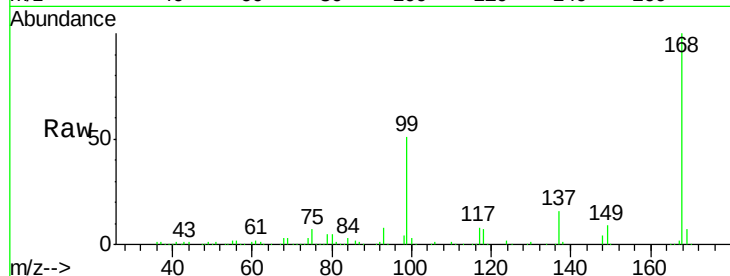
ClientSampleId :

Tot Ion:168 Resp: 236728

Ion Ratio Lower Upper

168 100

99 50.6 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

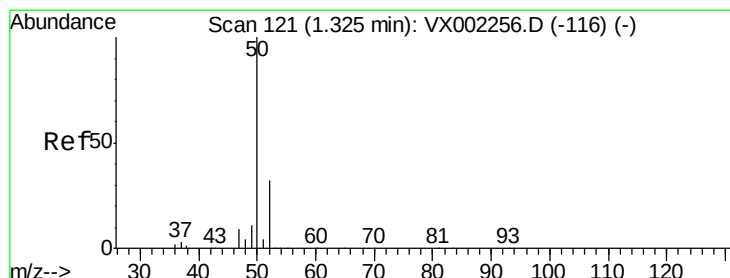
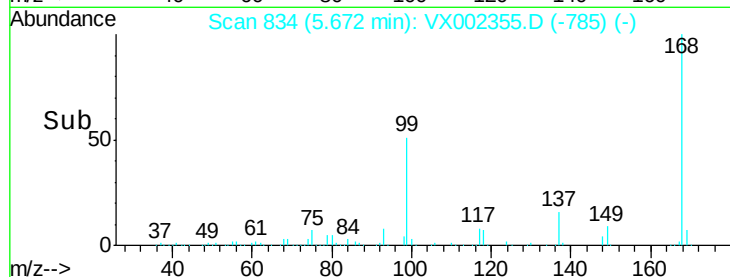
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002355.D

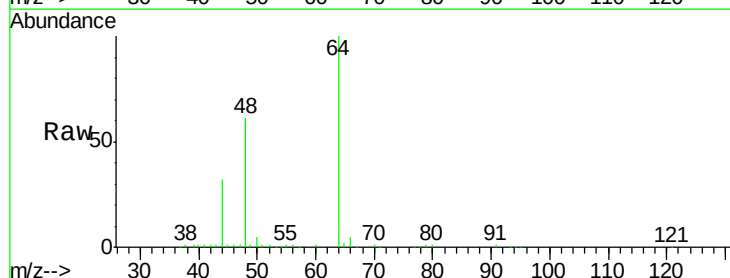
Acq: 06 Jun 2018 16:22

Tgt Ion: 50 Resp: 1492

Ion Ratio Lower Upper

50 100

52 13.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

600

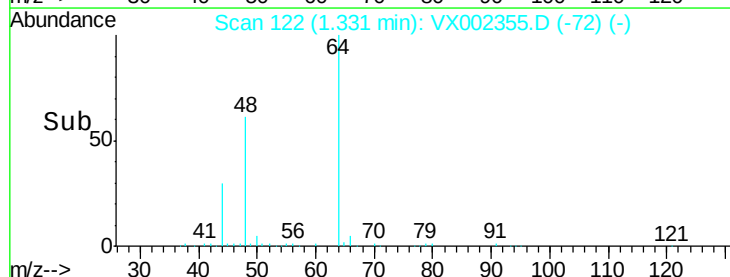
400

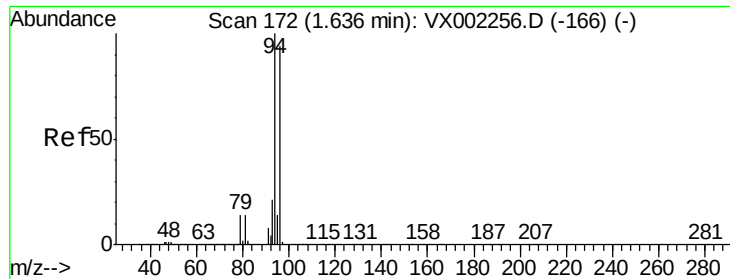
200

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

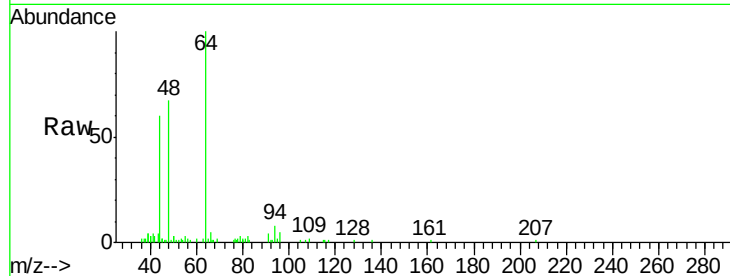
ClientSampleId :

Tot Ion: 94 Resp: 996

Ion Ratio Lower Upper

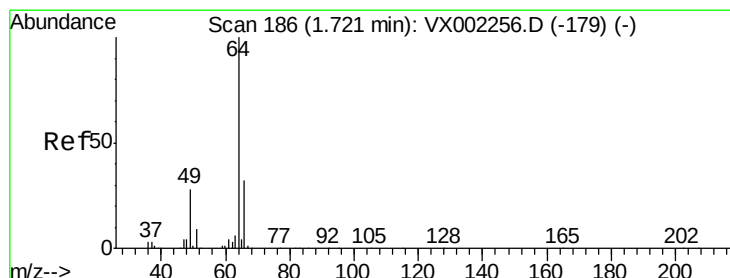
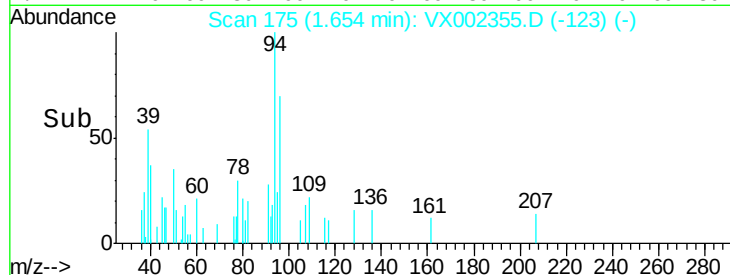
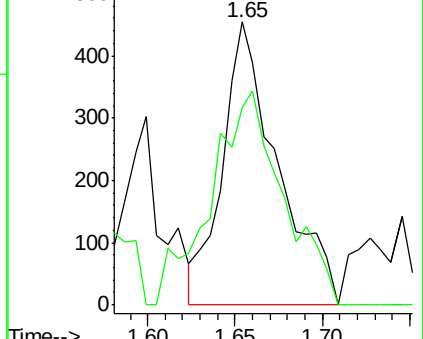
94 100

96 69.8 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.24 ug/l

RT: 1.92 min Scan# 219

Delta R.T. 0.20 min

Lab File: VX002355.D

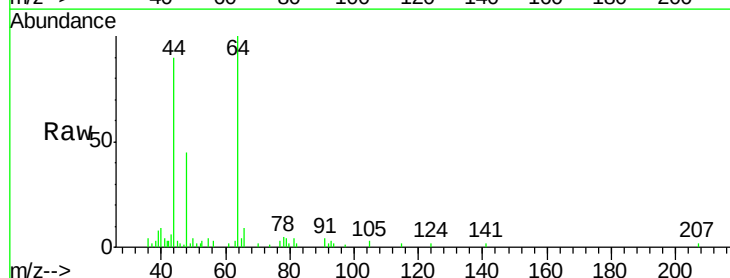
Acq: 06 Jun 2018 16:22

Tgt Ion: 64 Resp: 478

Ion Ratio Lower Upper

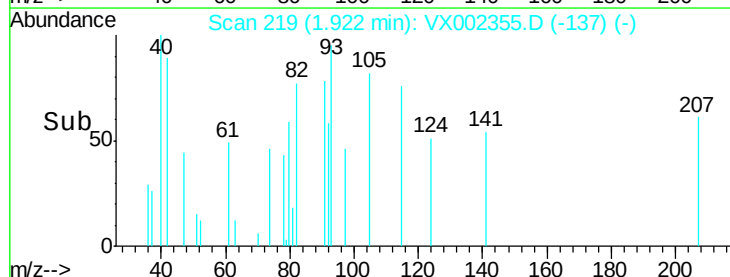
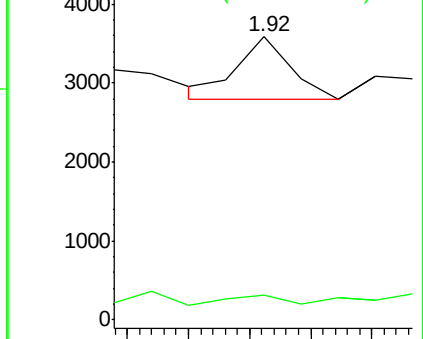
64 100

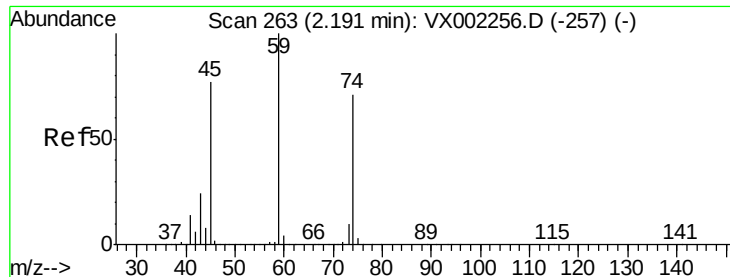
66 15.1 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

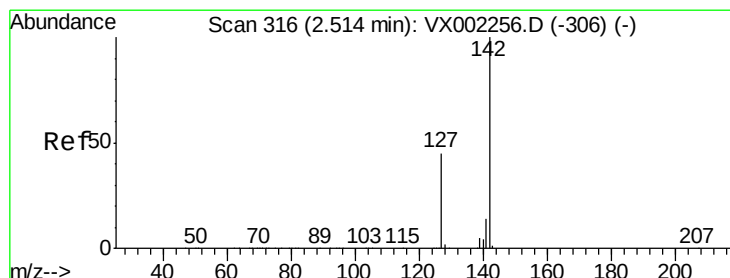
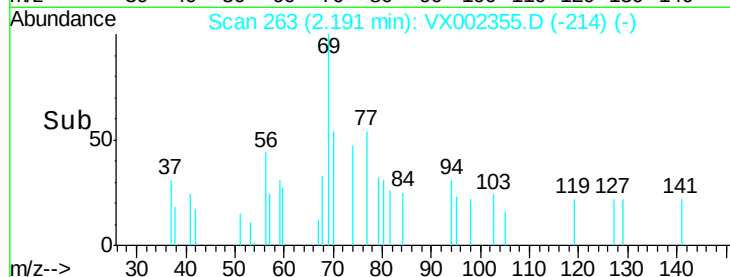
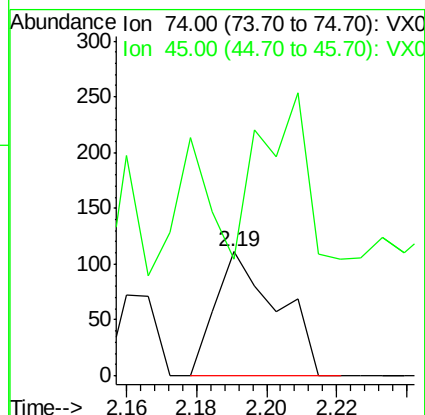
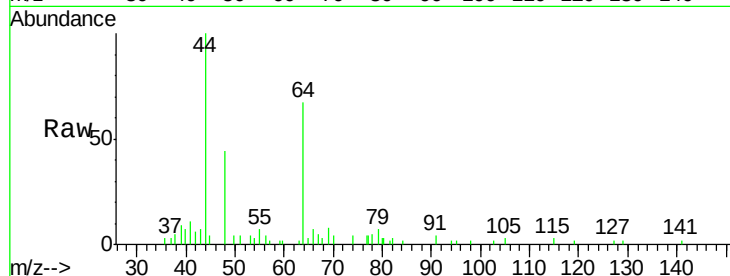
ClientSampled :

Tot Ion: 74 Resp: 137

Ion Ratio Lower Upper

74 100

45 62.8 53.1 159.4



#10

Methyl Iodide

Concen: 0.40 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

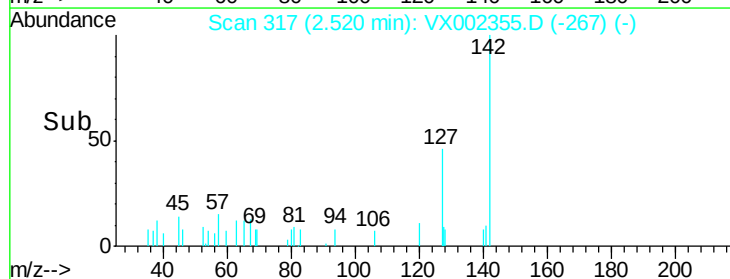
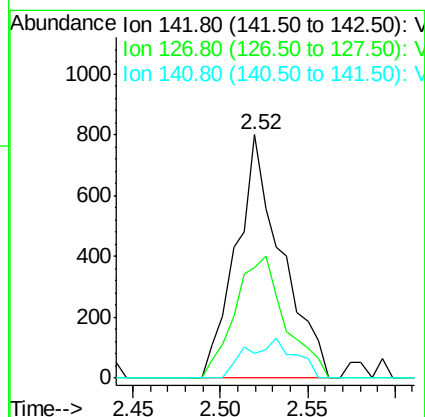
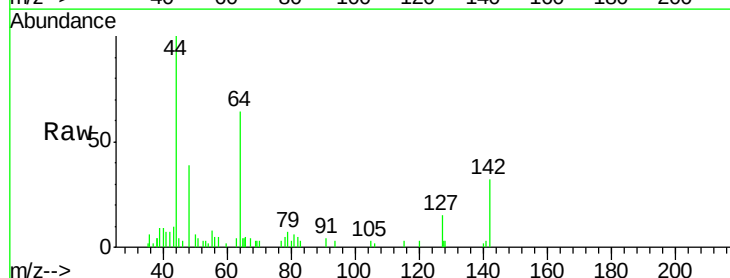
Tgt Ion: 142 Resp: 1441

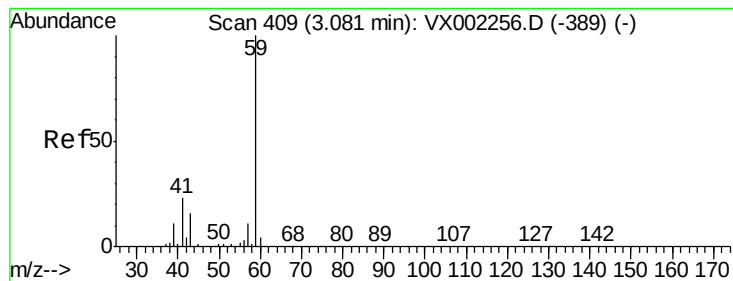
Ion Ratio Lower Upper

142 100

127 55.8 36.6 55.0#

141 17.1 11.3 16.9#



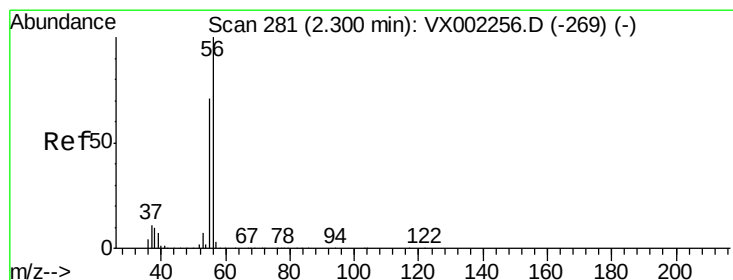
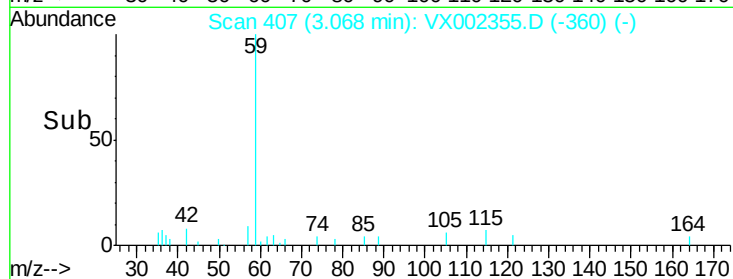
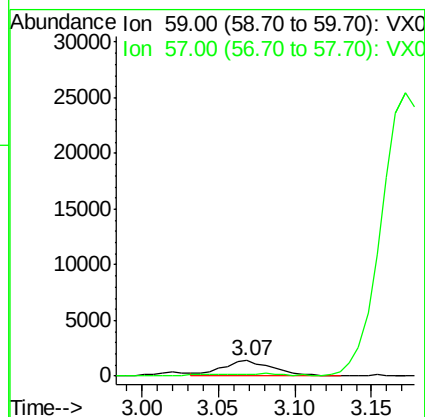
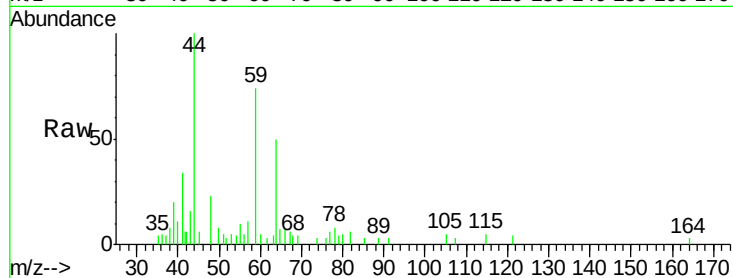


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Instrument :
MSVOA_X
ClientSampled :

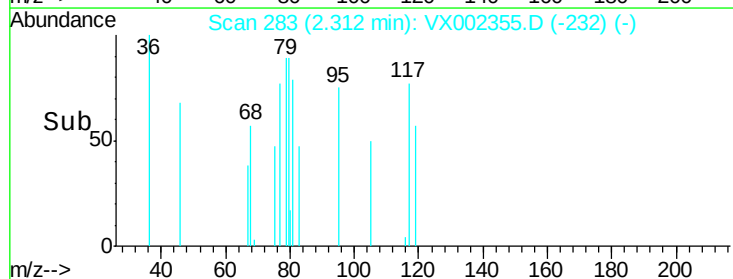
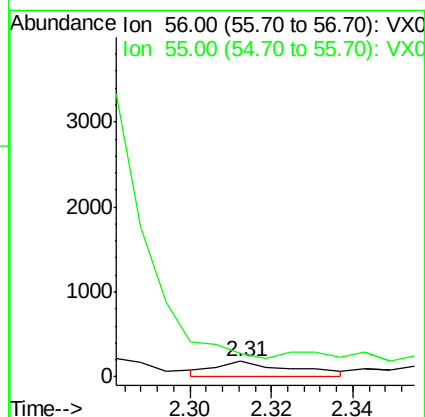
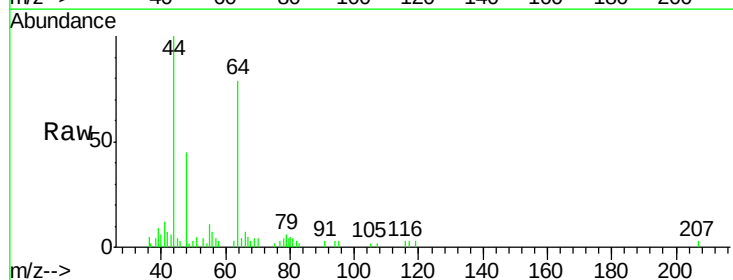
Tot Ion: 59 Resp: 3151
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

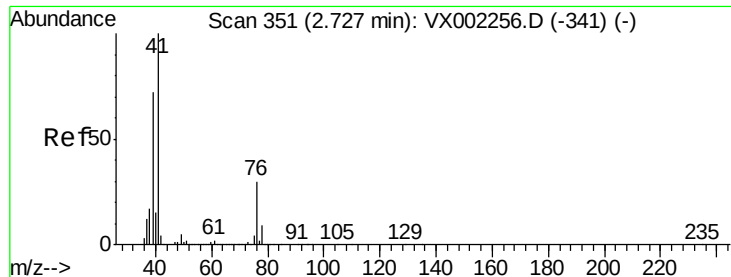


#13

Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

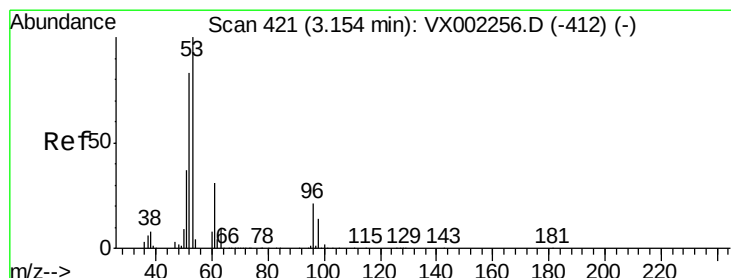
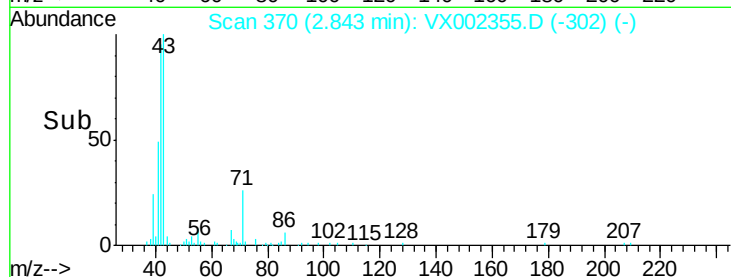
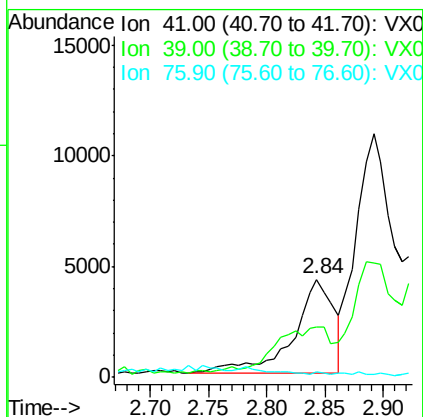
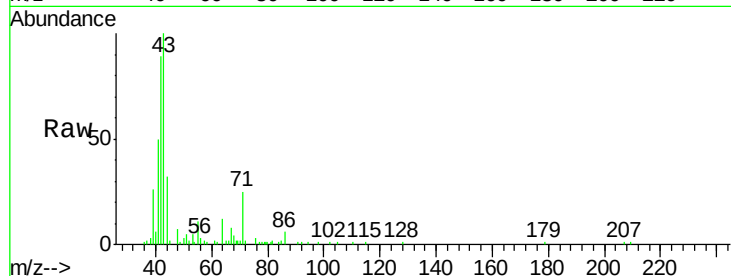




#14
Allvl chloride
Concen: 1.83 ua/l
RT: 2.84 min Scan# 370
Delta R.T. 0.12 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

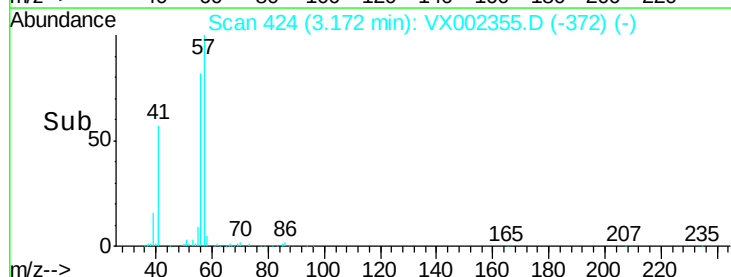
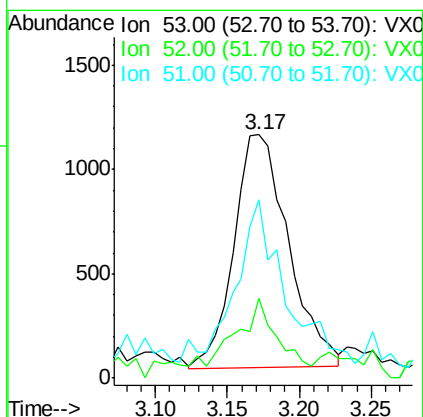
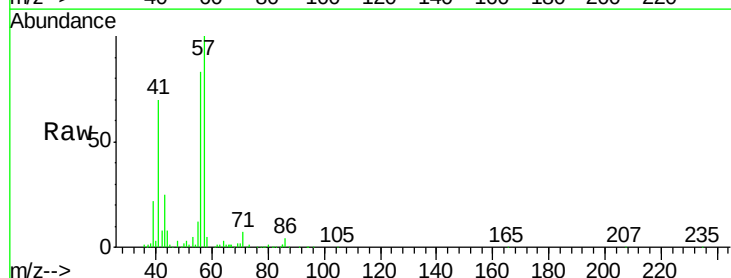
Instrument :
MSVOA_X
ClientSampled :

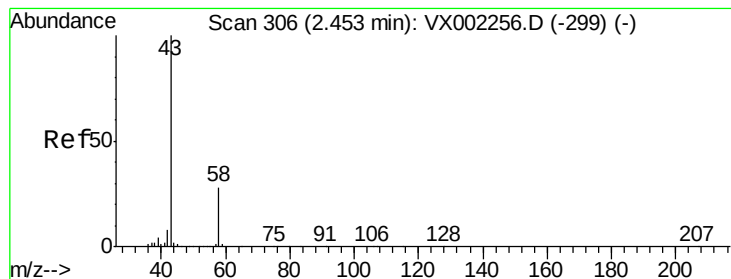
Tot Ion: 41 Resp: 9996
Ion Ratio Lower Upper
41 100
39 65.4 56.8 85.2
76 0.0 23.8 35.8#



#15
Acrylonitrile
Concen: Below Cal
RT: 3.17 min Scan# 424
Delta R.T. 0.02 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 53 Resp: 2945
Ion Ratio Lower Upper
53 100
52 22.6 66.7 100.1#
51 69.8 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

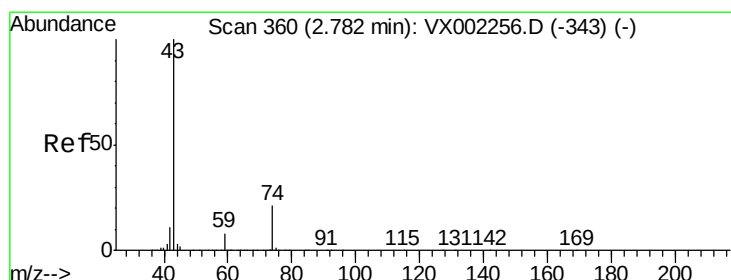
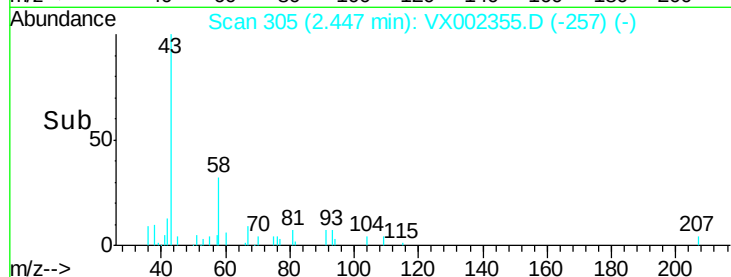
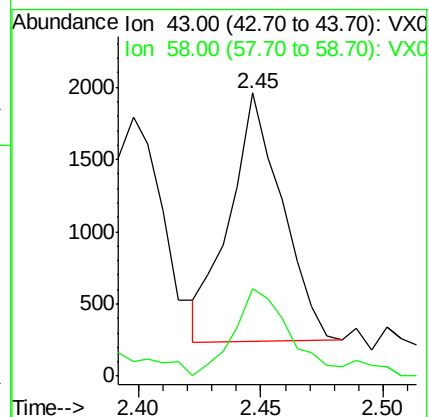
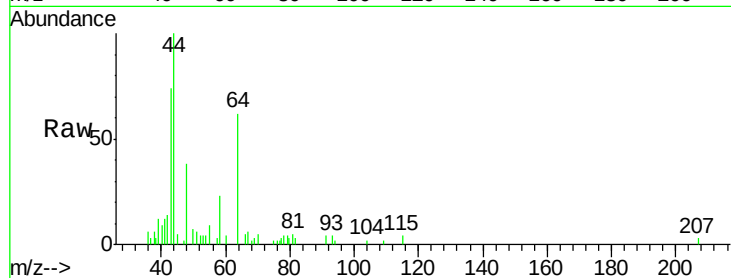
ClientSampled :

Tot Ion: 43 Resp: 2568

Ion Ratio Lower Upper

43 100

58 35.5 22.1 33.1#



#18

Methyl Acetate

Concen: 2.98 ug/l

RT: 2.85 min Scan# 371

Delta R.T. 0.07 min

Lab File: VX002355.D

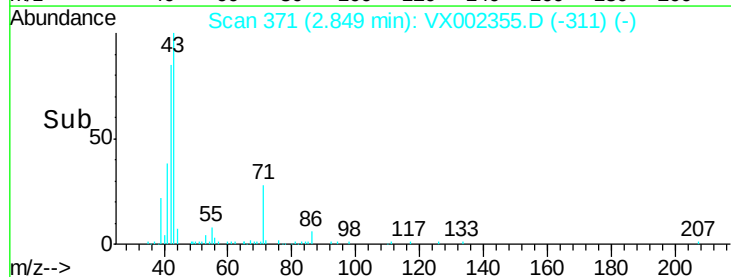
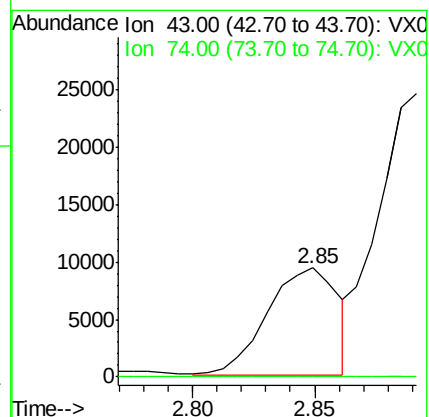
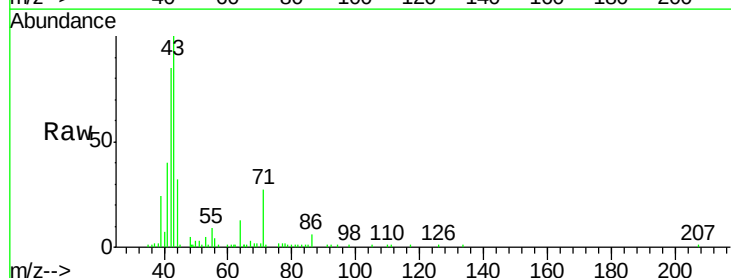
Acq: 06 Jun 2018 16:22

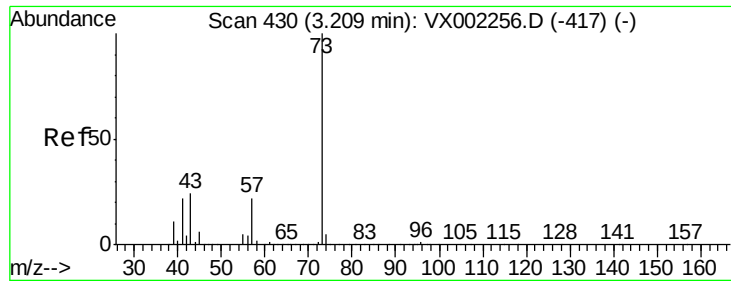
Tgt Ion: 43 Resp: 18716

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#

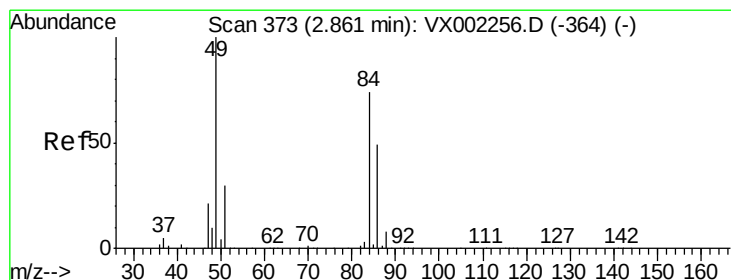
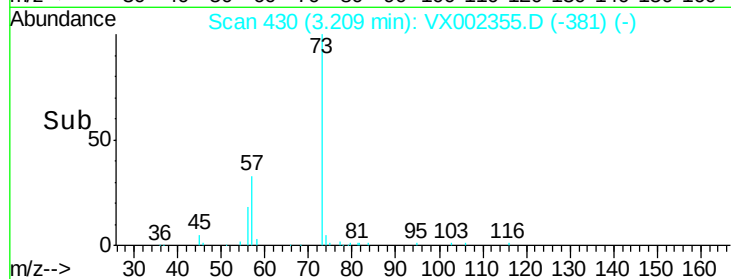
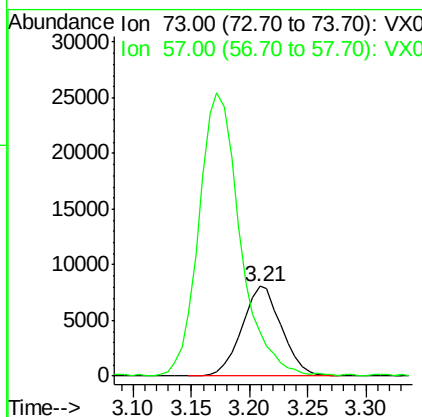
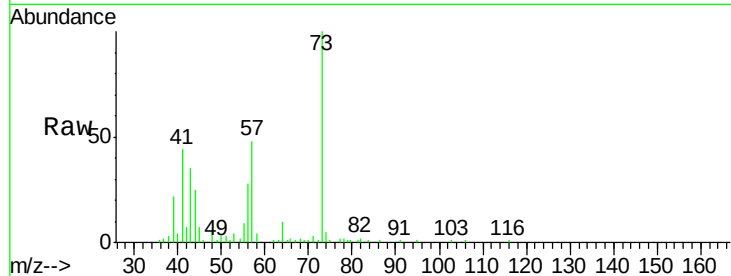




#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

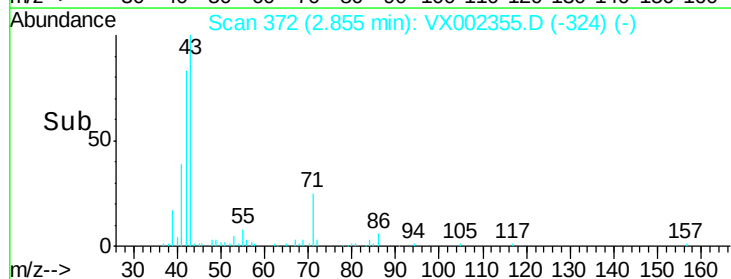
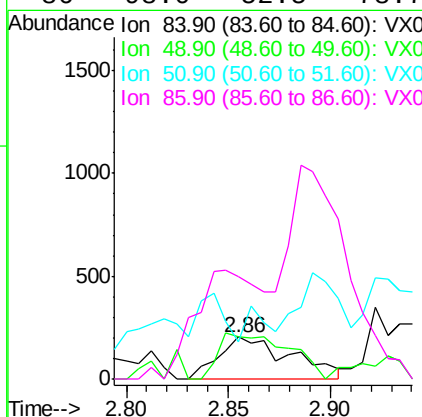
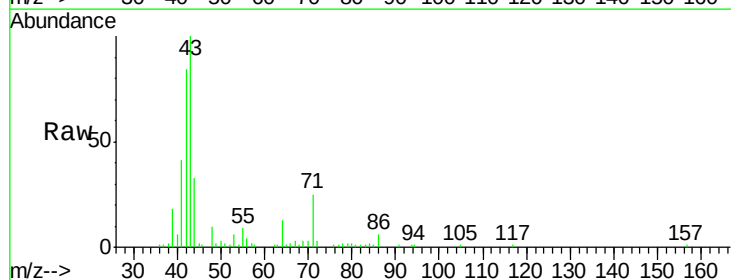
Instrument :
MSVOA_X
ClientSampled :

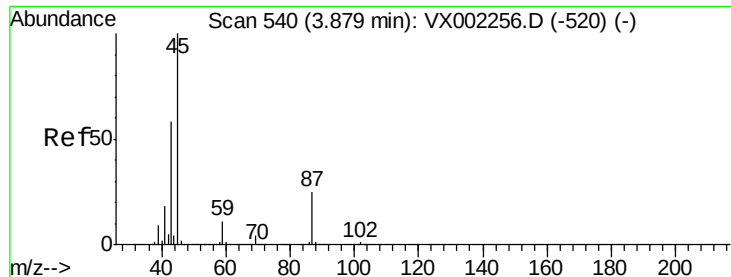
Tot Ion: 73 Resp: 19179
Ion Ratio Lower Upper
73 100
57 47.7 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 84 Resp: 506
Ion Ratio Lower Upper
84 100
49 100.5 107.8 161.6#
51 0.0 32.8 49.2#
86 98.0 52.5 78.7#



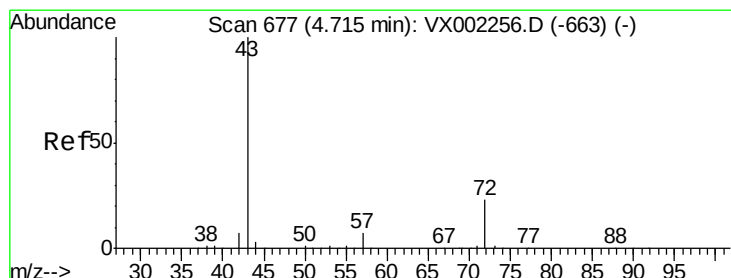
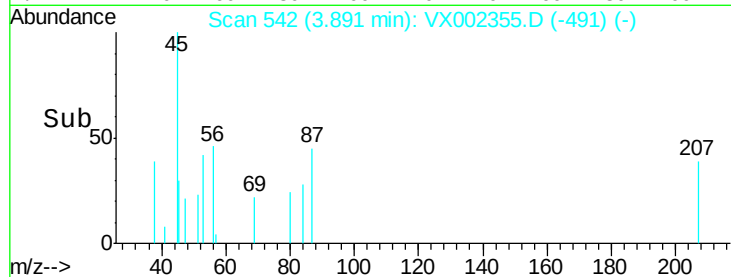
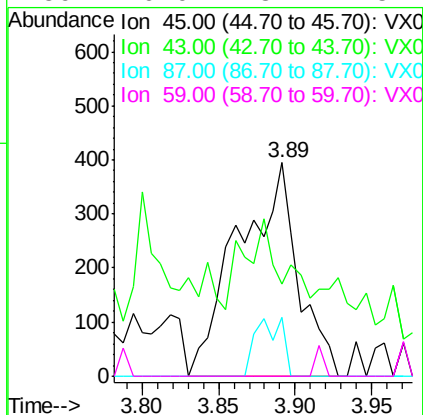
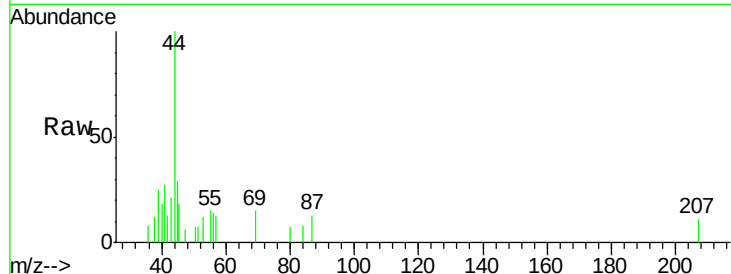


#22

Diisopropyl ether
 Concen: Below Cal
 RT: 3.89 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

Instrument :
 MSVOA_X
 ClientSampled :

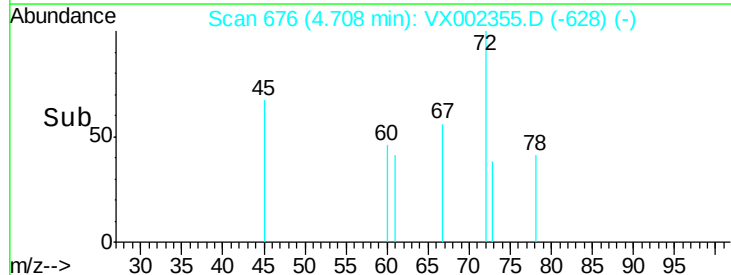
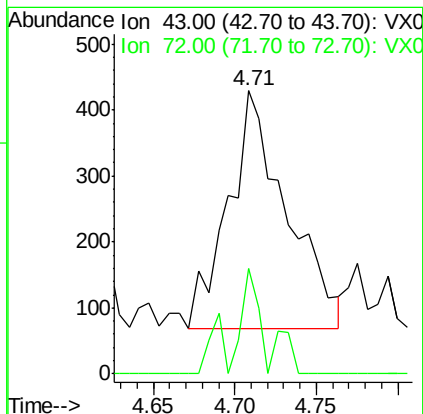
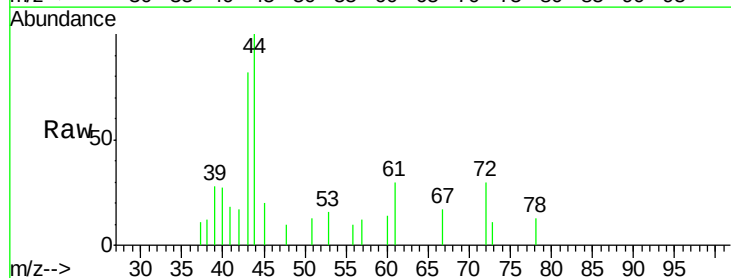
Tot Ion:	45	Resp:	1072
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.8	70.2#
87	27.8	20.2	30.4
59	0.0	8.7	13.1#

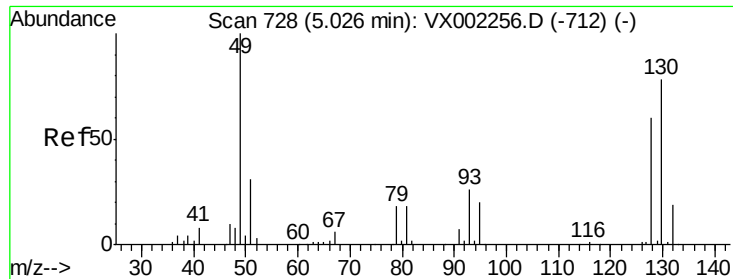


#25

2-Butanone
 Concen: 0.39 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

Tgt Ion:	43	Resp:	902
Ion	Ratio	Lower	Upper
43	100		
72	44.3	18.5	27.7#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.06 min Scan# 733

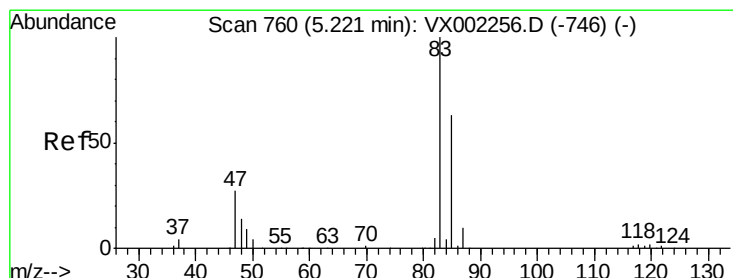
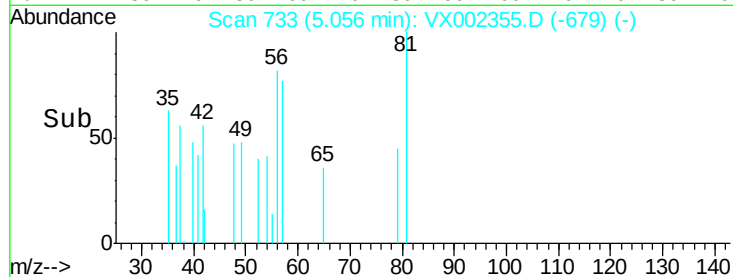
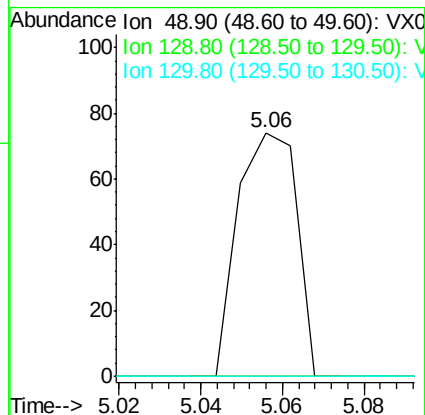
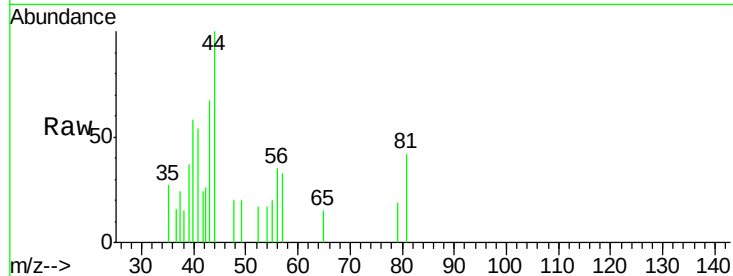
Delta R.T. 0.03 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 74
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 61.2 91.8#



#30

Chloroform

Concen: 0.27 ug/l

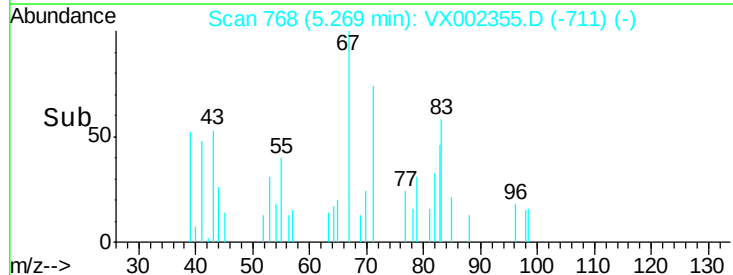
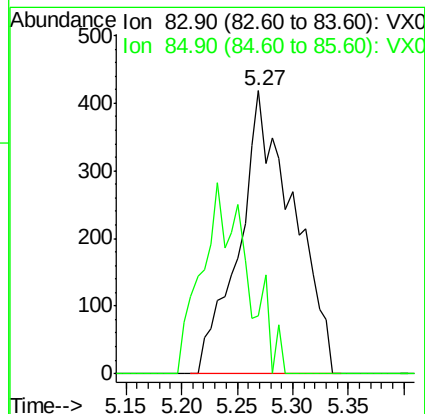
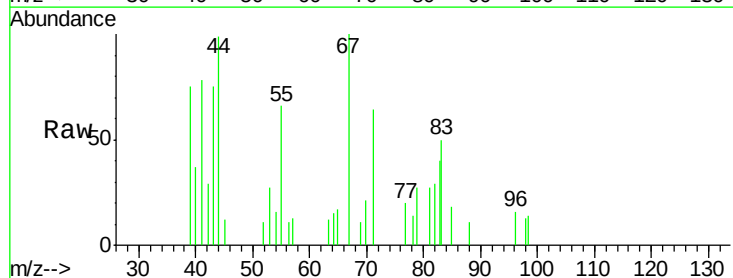
RT: 5.27 min Scan# 768

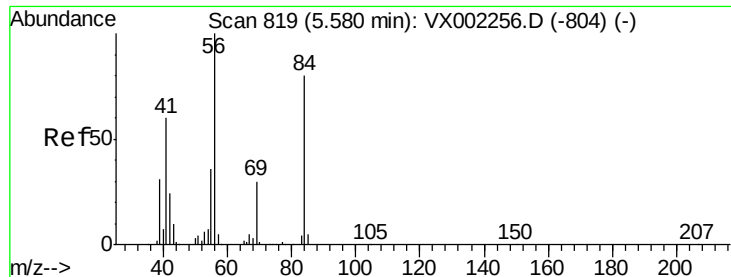
Delta R.T. 0.05 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Tgt Ion: 83 Resp: 1414
Ion Ratio Lower Upper
83 100
85 20.3 50.4 75.6#

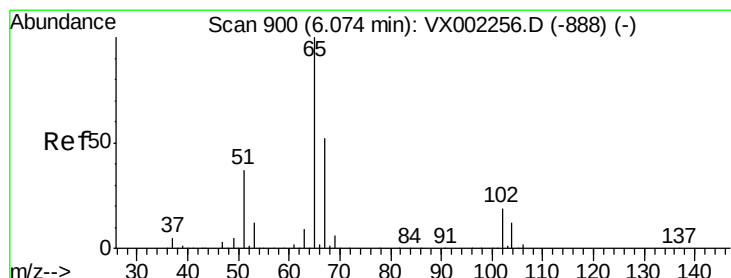
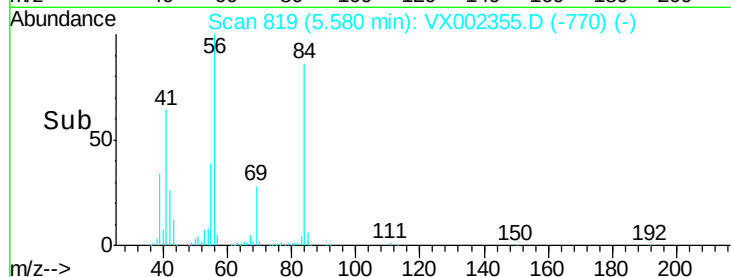
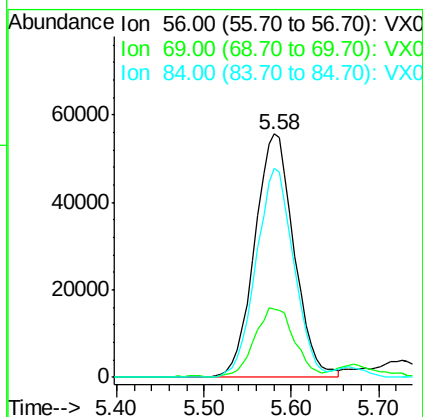
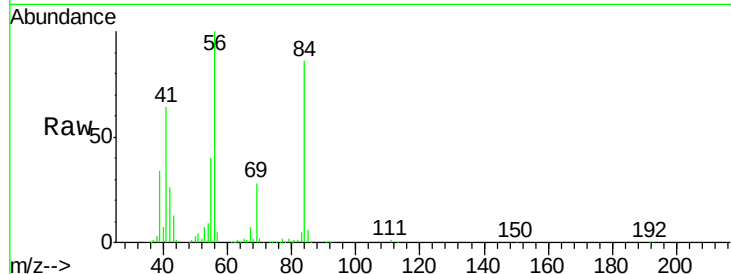




#31
Cyclohexane
Concen: 40.78 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

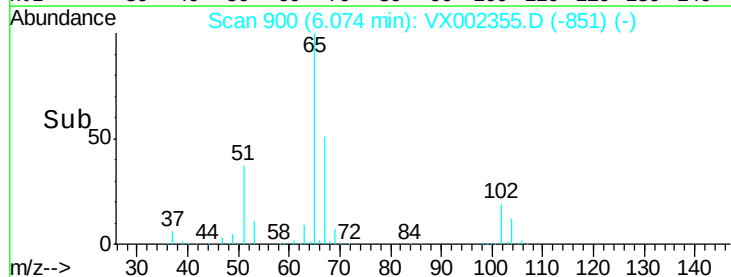
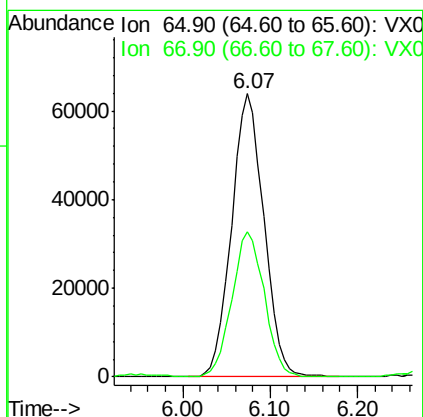
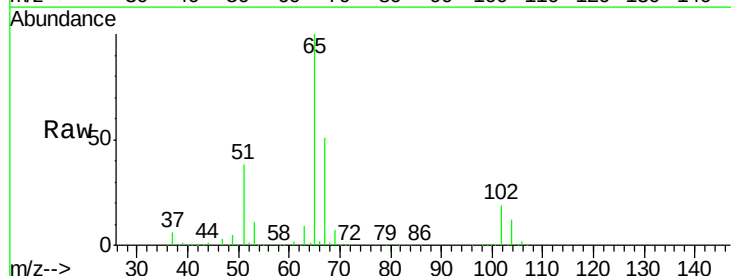
Instrument :
MSVOA_X
ClientSampleId :

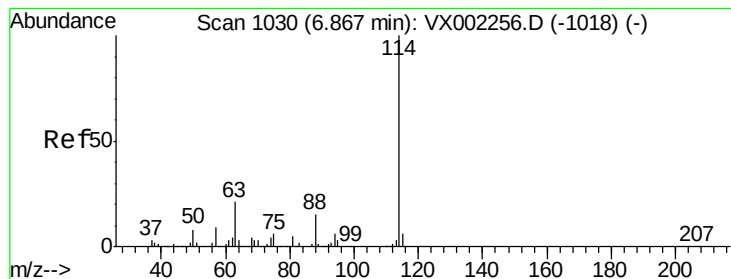
Tot Ion: 56 Resp: 174288
Ion Ratio Lower Upper
56 100
69 27.7 23.7 35.5
84 85.8 64.1 96.1



#33
1,2-Dichloroethane-d4
Concen: 48.45 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 65 Resp: 164368
Ion Ratio Lower Upper
65 100
67 50.9 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: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

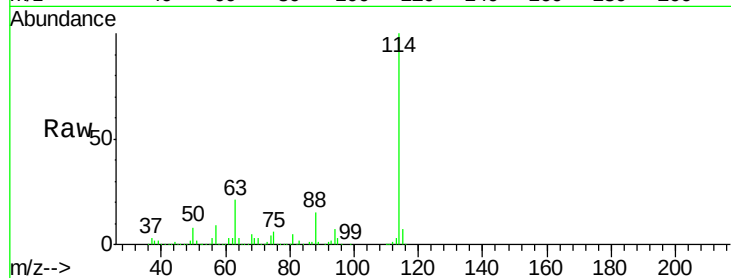
Tot Ion:114 Resp: 345719

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.4

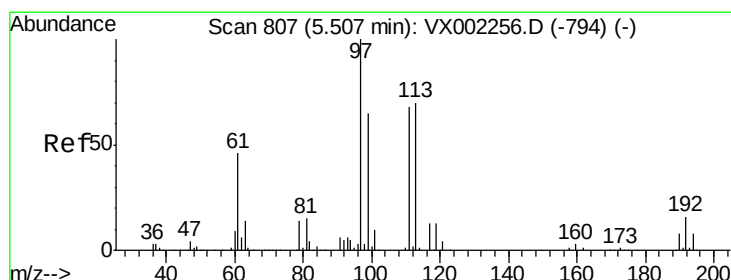
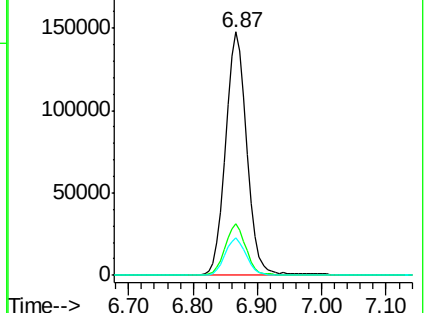
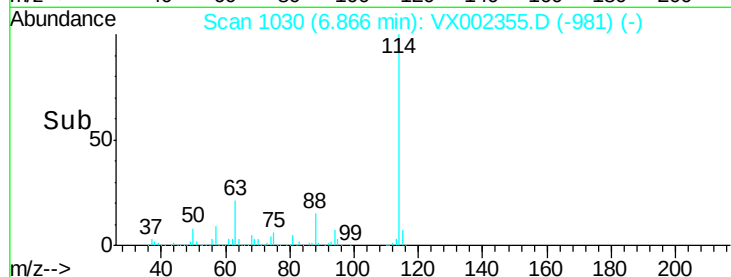
88 15.5 0.0 30.0



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: 45.05 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

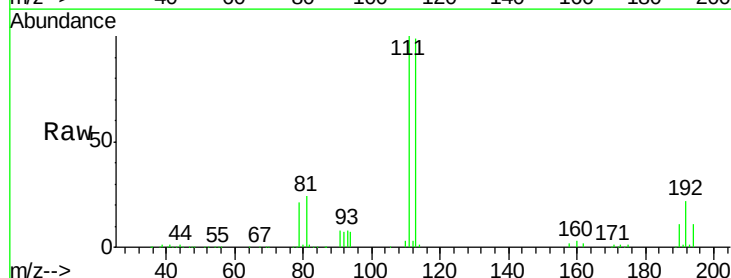
Tgt Ion:113 Resp: 122477

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

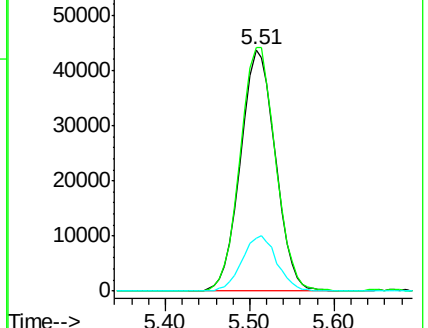
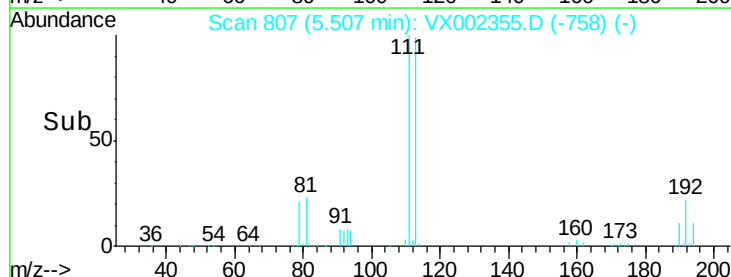
192 22.8 19.1 28.7

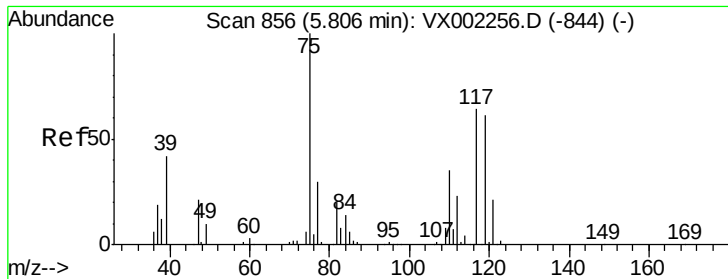


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

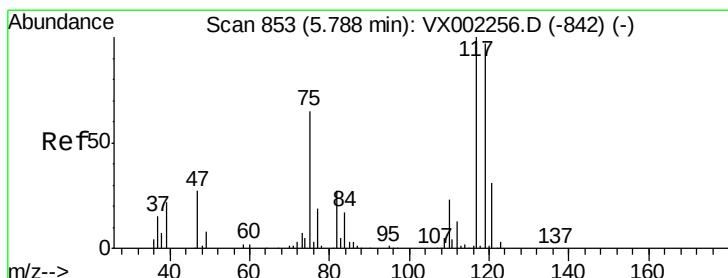
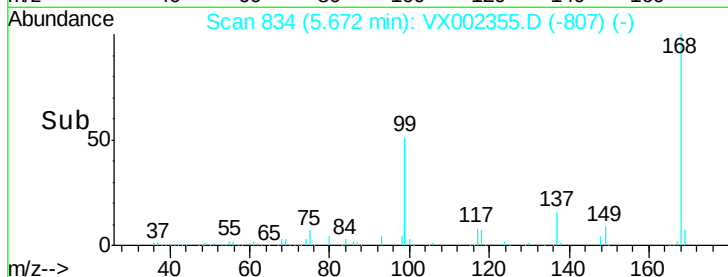
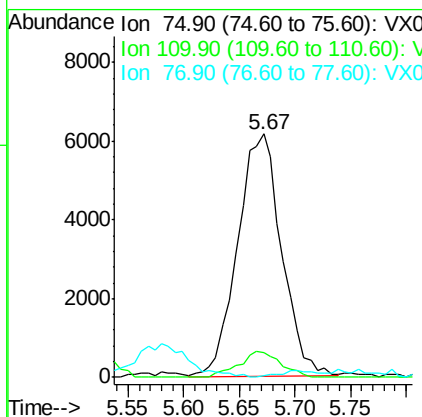
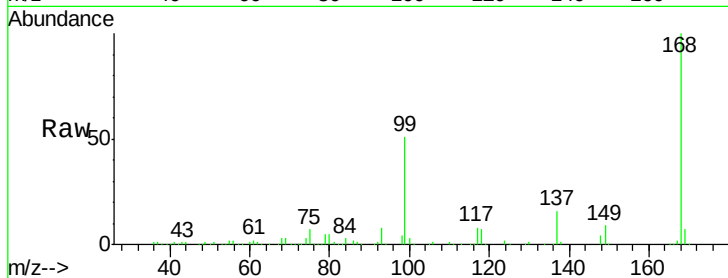




#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

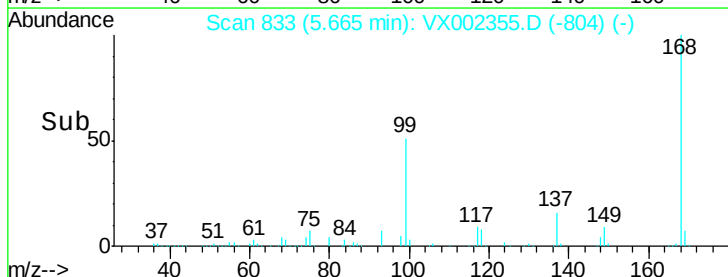
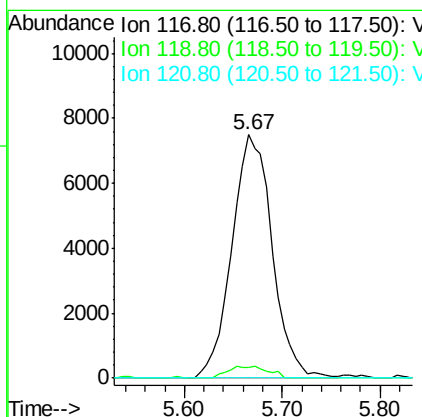
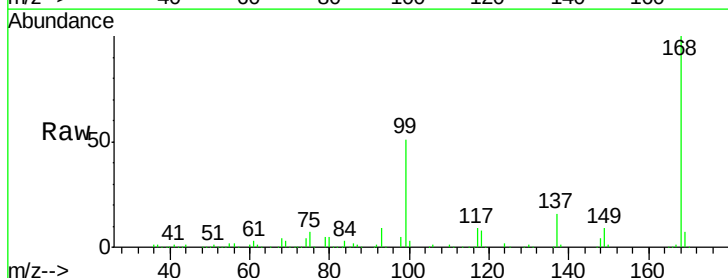
Instrument :
 MSVOA_X
 ClientSampleId :

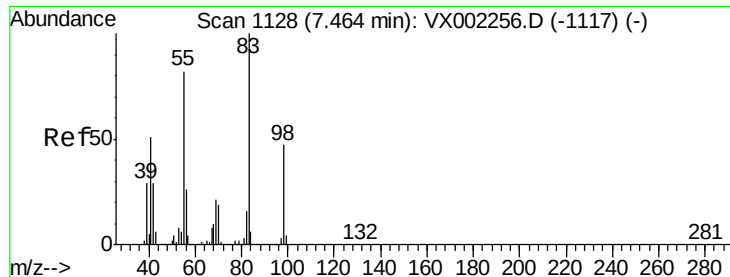
Tot Ion: 75 Resp: 16769
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.63 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

Tgt Ion: 117 Resp: 21422
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.4 116.0#
 121 0.0 24.4 36.6#

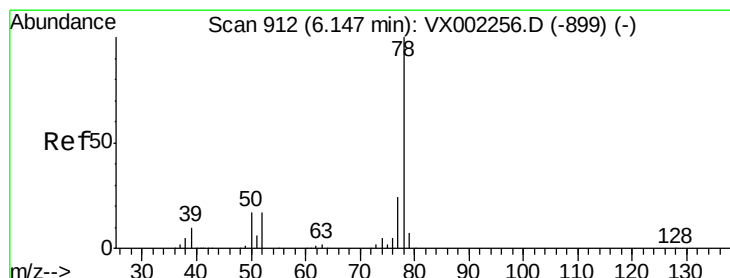
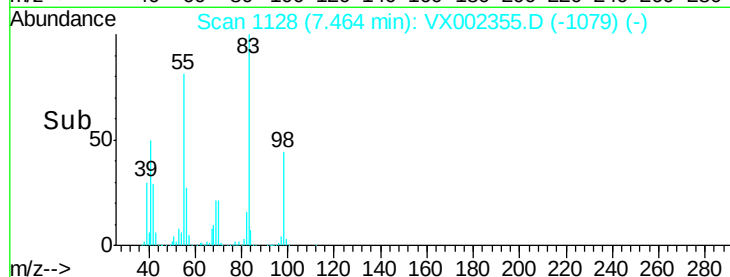
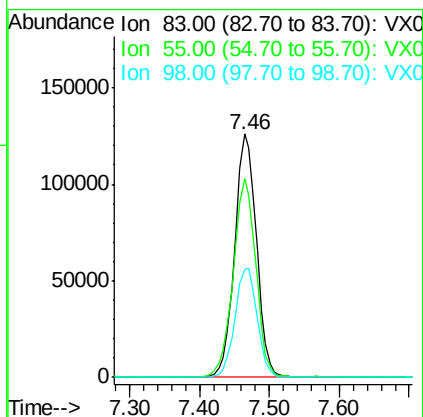
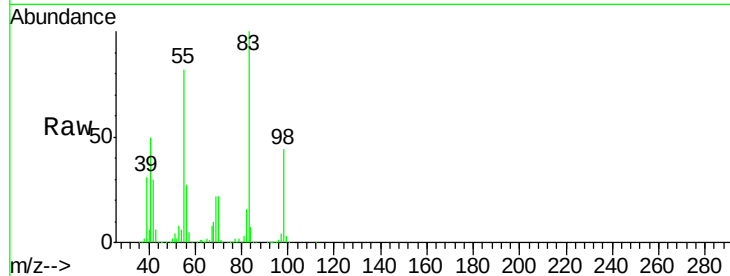




#39
Methylvlcyclohexane
Concen: 60.73 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

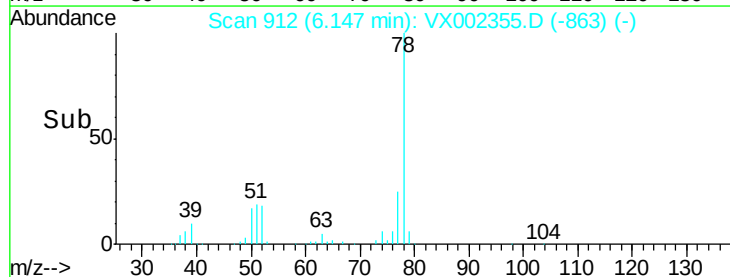
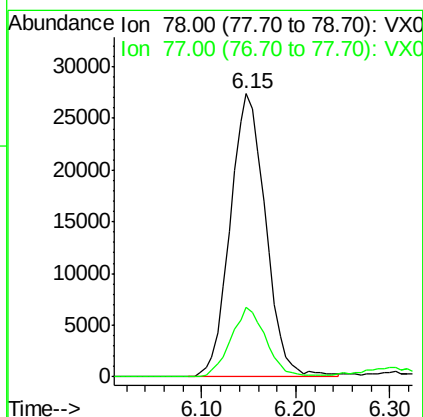
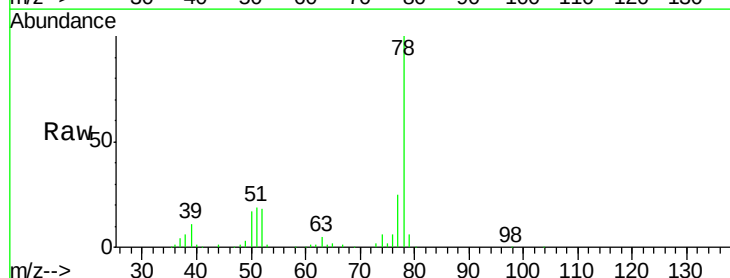
Instrument :
MSVOA_X
ClientSampleId :

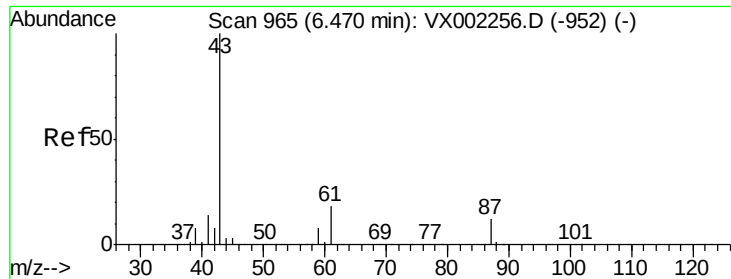
Tot Ion: 83 Resp: 272941
Ion Ratio Lower Upper
83 100
55 81.6 65.4 98.0
98 44.1 37.4 56.0



#40
Benzene
Concen: 6.45 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 78 Resp: 71849
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7





#43

Isopropyl Acetate

Concen: 0.97 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

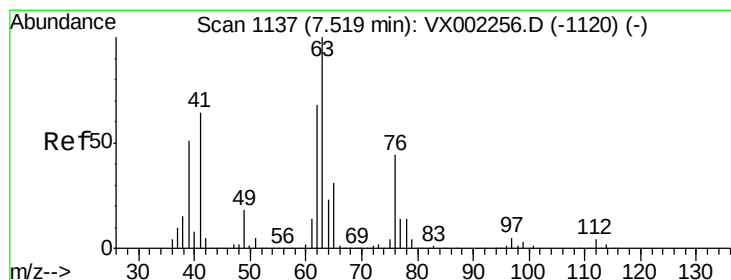
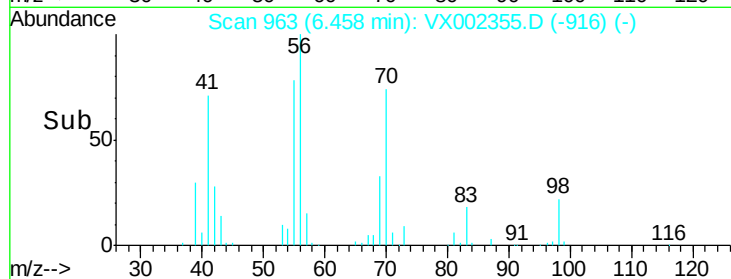
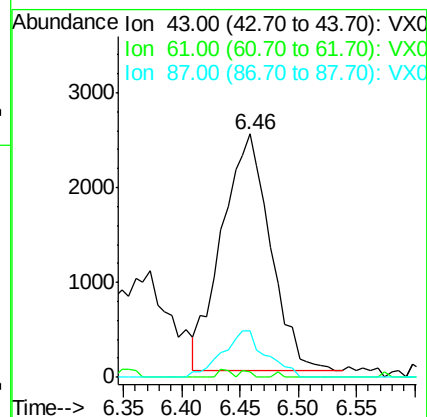
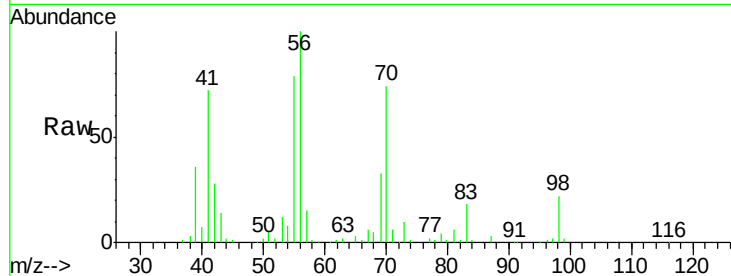
Tot Ion: 43 Resp: 7216

Ion Ratio Lower Upper

43 100

61 0.7 14.4 21.6#

87 17.5 9.5 14.3#



#45

1,2-Dichloropropane

Concen: 1.15 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.06 min

Lab File: VX002355.D

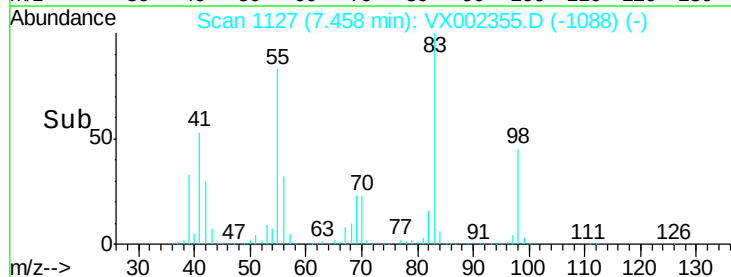
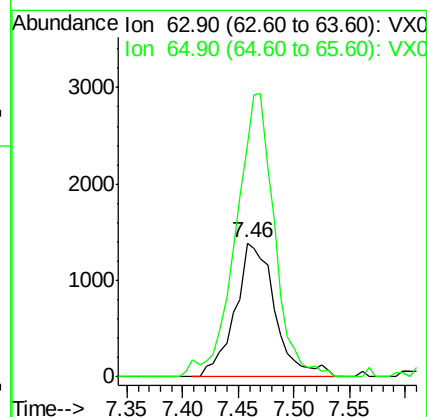
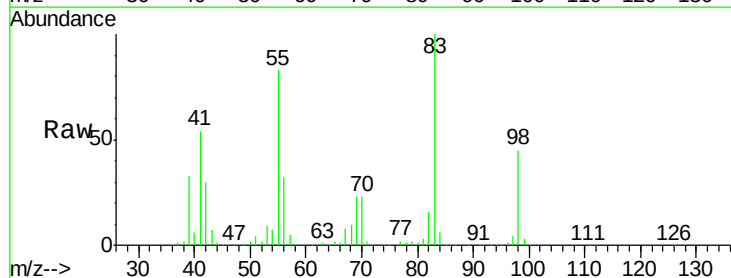
Acq: 06 Jun 2018 16:22

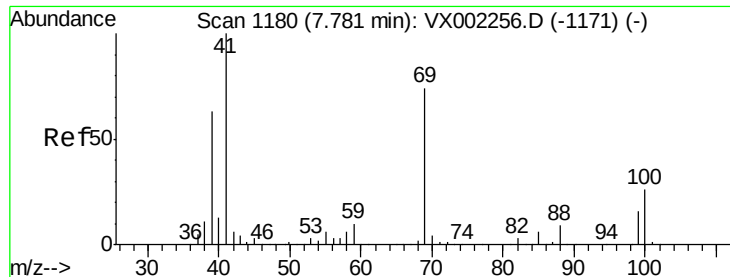
Tgt Ion: 63 Resp: 3462

Ion Ratio Lower Upper

63 100

65 173.3 24.7 37.1#

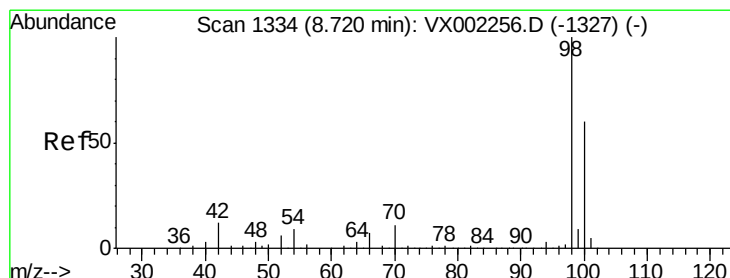
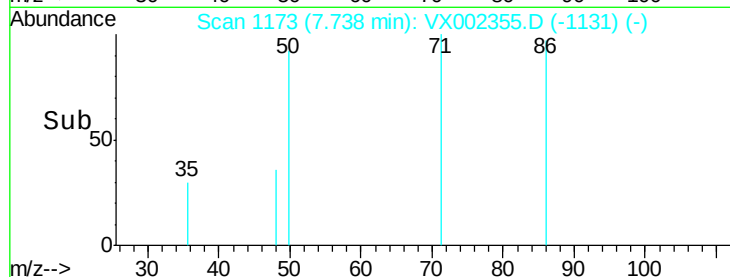
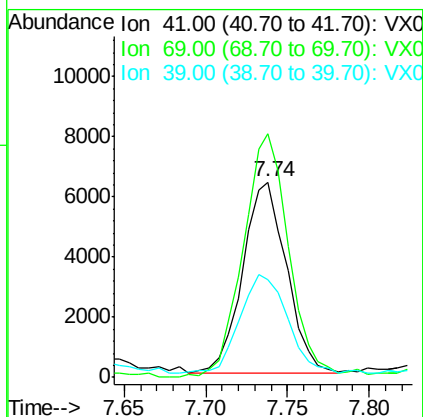
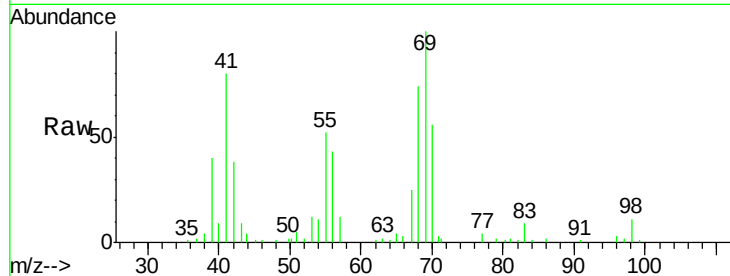




#48
Methvl methacrylate
Concen: 3.16 ug/l
RT: 7.74 min Scan# 1173
Delta R.T. -0.04 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

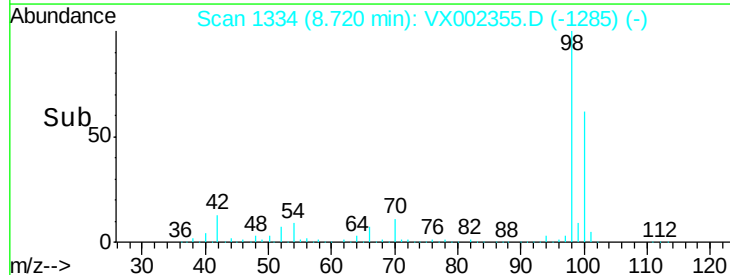
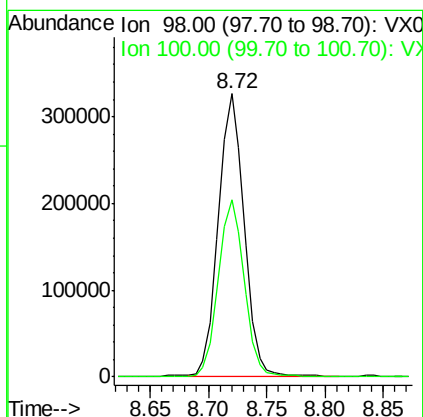
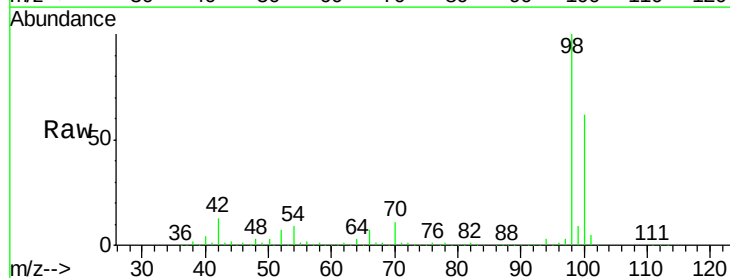
Instrument :
MSVOA_X
ClientSampled :

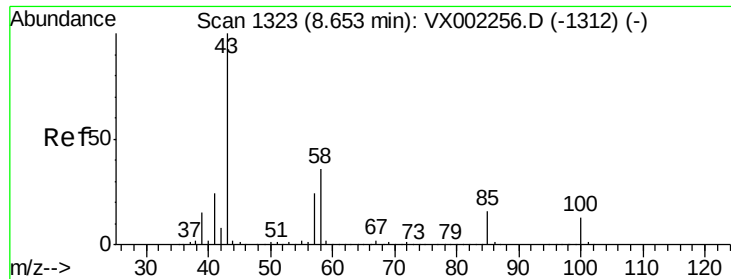
Tot Ion: 41 Resp: 11787
Ion Ratio Lower Upper
41 100
69 133.3 59.1 88.7#
39 57.5 48.9 73.3



#50
Toluene-d8
Concen: 47.73 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 98 Resp: 497437
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.06 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

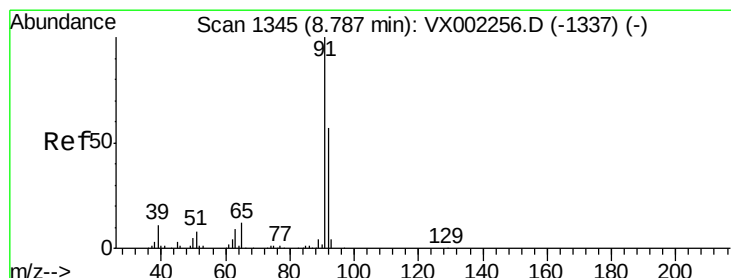
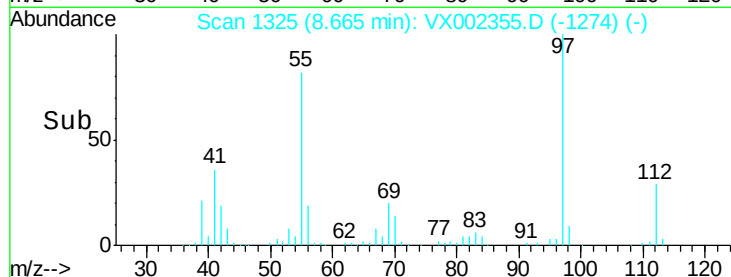
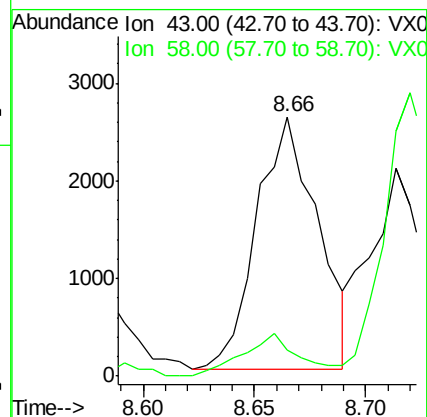
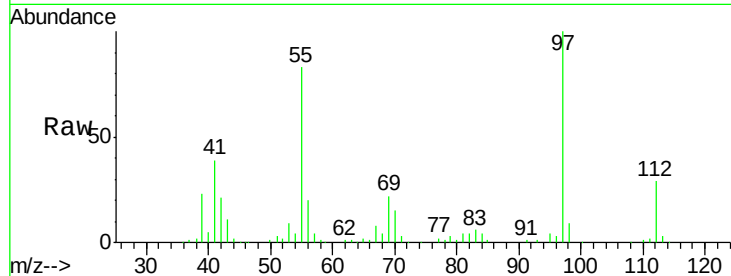
ClientSampleId :

Tot Ion: 43 Resp: 4922

Ion Ratio Lower Upper

43 100

58 15.2 28.6 42.8#



#52

Toluene

Concen: 1.23 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002355.D

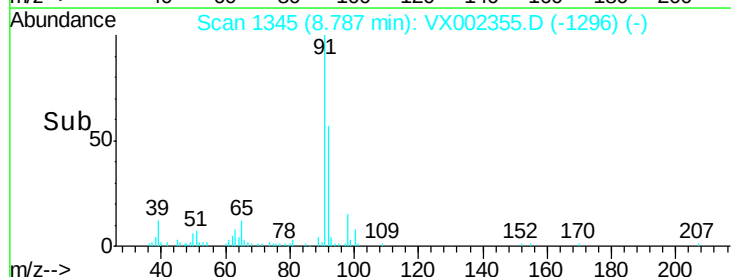
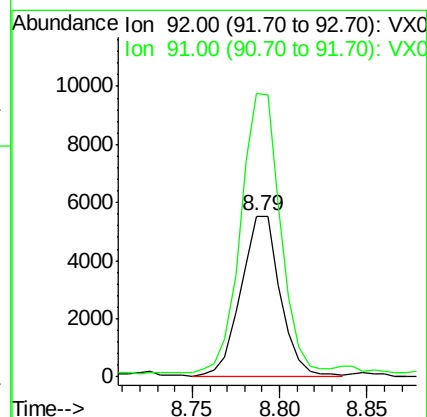
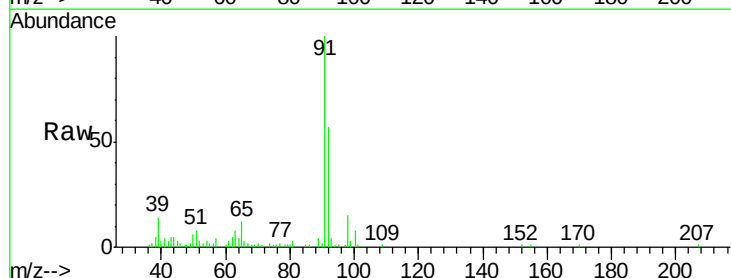
Acq: 06 Jun 2018 16:22

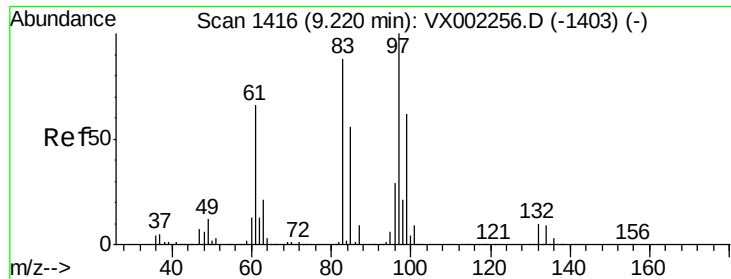
Tgt Ion: 92 Resp: 8742

Ion Ratio Lower Upper

92 100

91 173.9 140.4 210.6

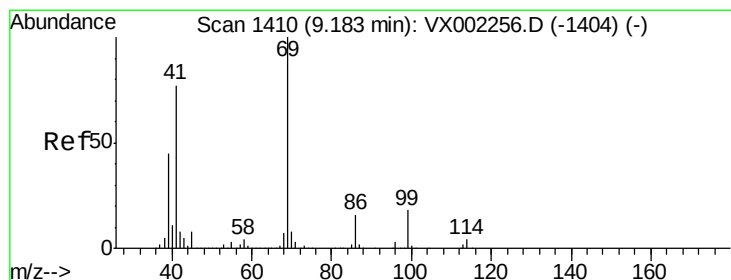
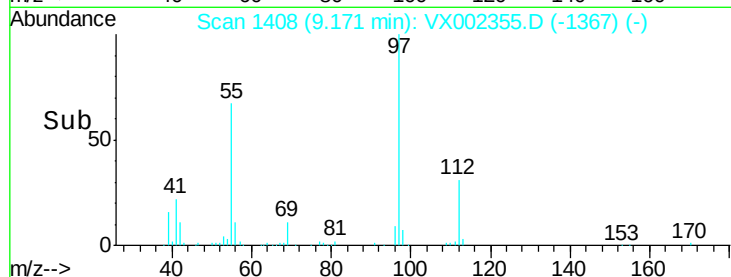
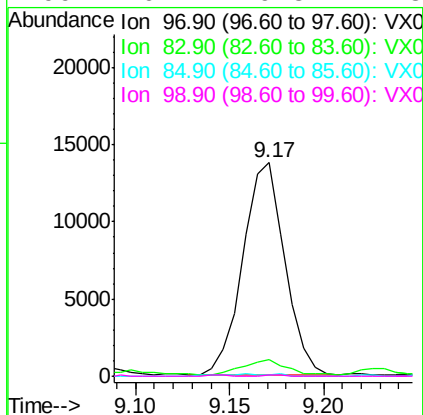
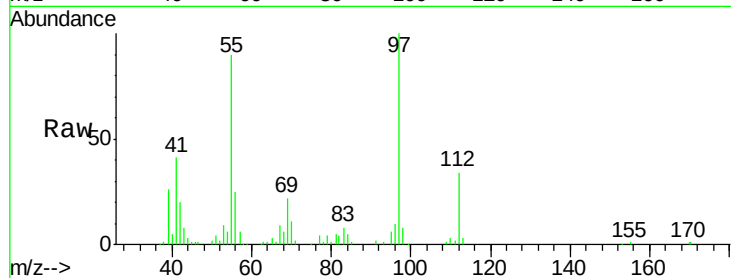




#55
 1,1,2-Trichloroethane
 Concen: 7.23 ug/l
 RT: 9.17 min Scan# 1408
 Delta R.T. -0.05 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

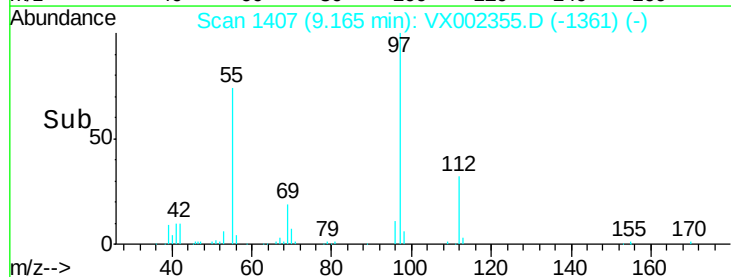
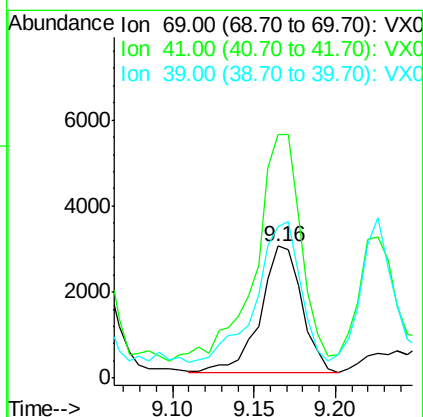
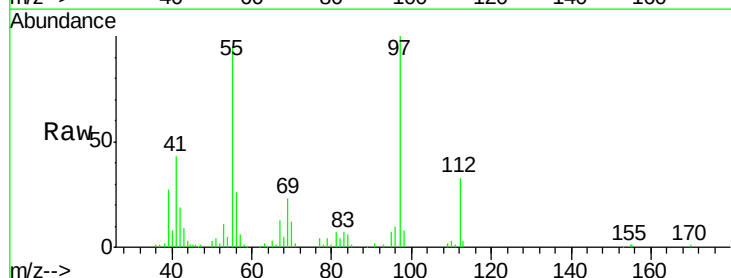
Instrument :
 MSVOA_X
 ClientSampleId :

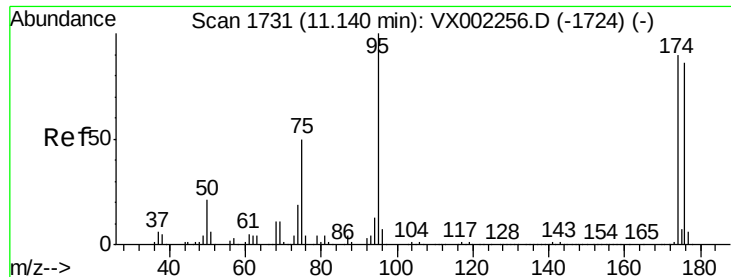
Tot Ion: 97 Resp: 21081
 Ion Ratio Lower Upper
 97 100
 83 7.3 70.2 105.2#
 85 0.8 44.9 67.3#
 99 0.4 49.8 74.8#



#56
 Ethyl methacrylate
 Concen: 1.13 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

Tgt Ion: 69 Resp: 5278
 Ion Ratio Lower Upper
 69 100
 41 193.5 60.3 90.5#
 39 122.7 35.8 53.8#

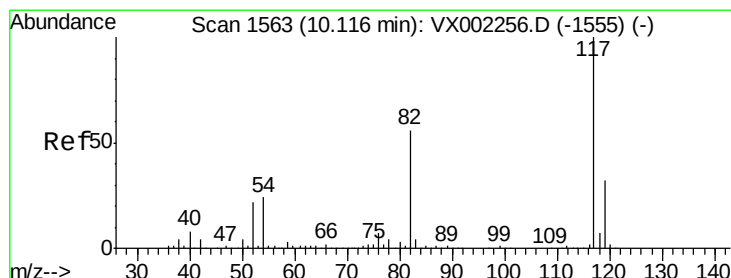
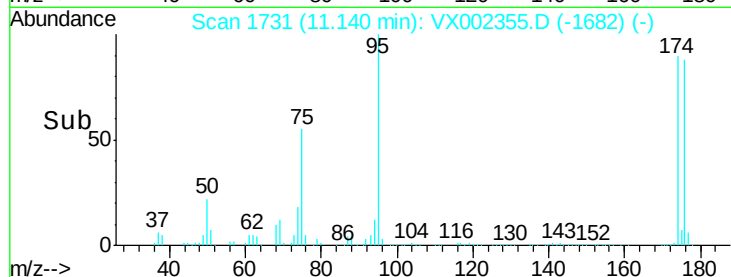
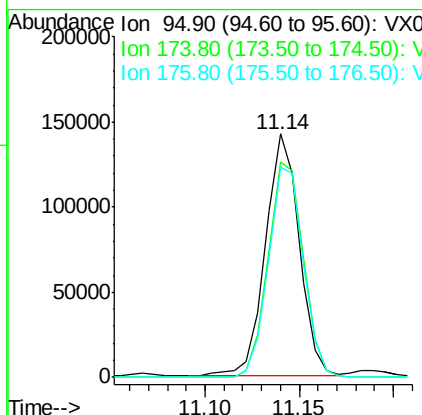
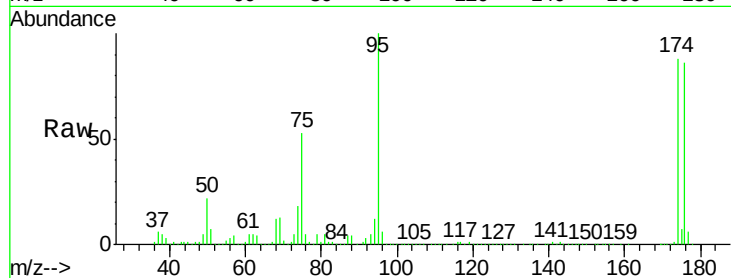




#62
4-Bromofluorobenzene
Concen: 44.34 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

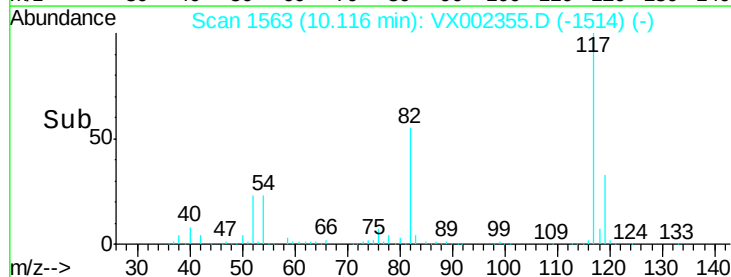
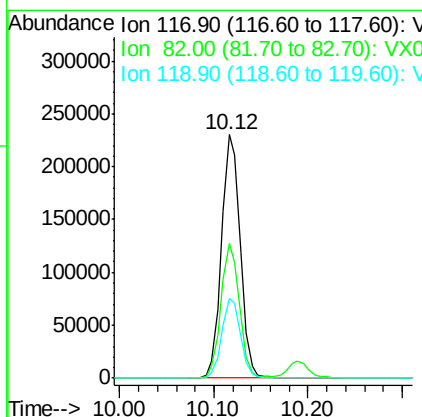
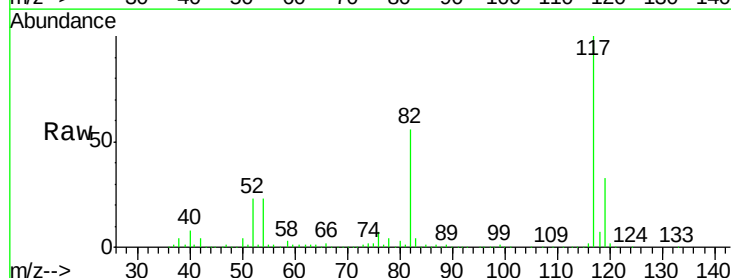
Instrument :
MSVOA_X
ClientSampled :

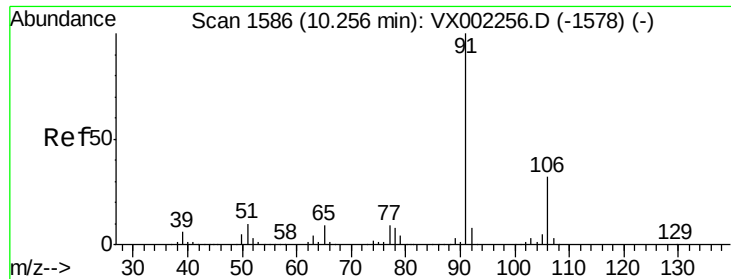
Tot Ion: 95 Resp: 178182
Ion Ratio Lower Upper
95 100
174 92.3 0.0 187.4
176 89.4 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 117 Resp: 316544
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 33.0 25.8 38.6

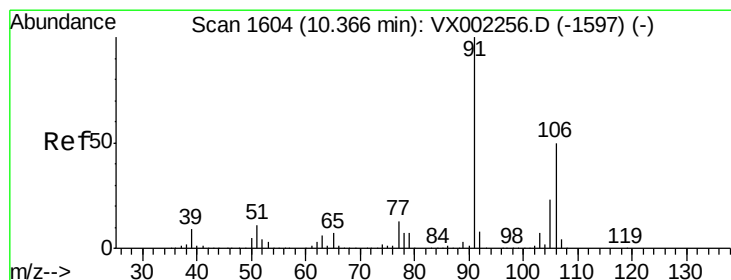
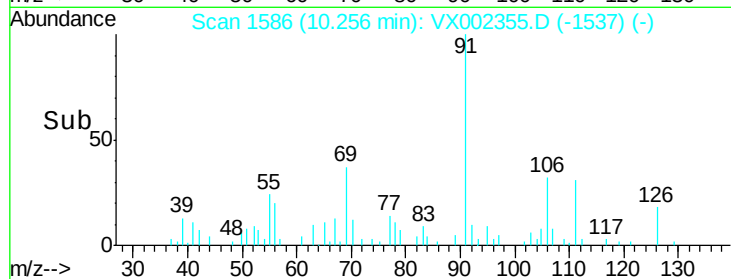
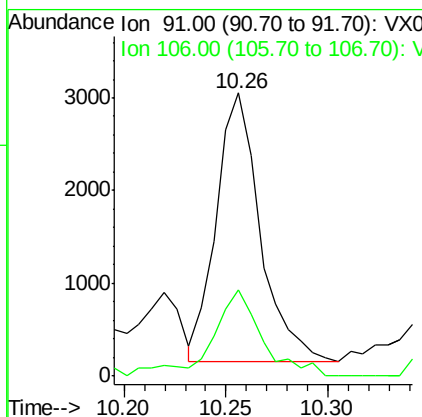
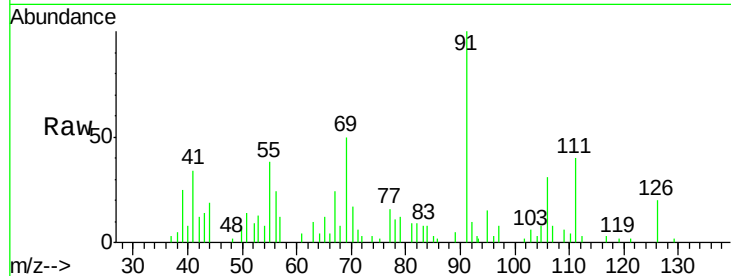




#67
Ethyl Benzene
Concen: 0.33 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

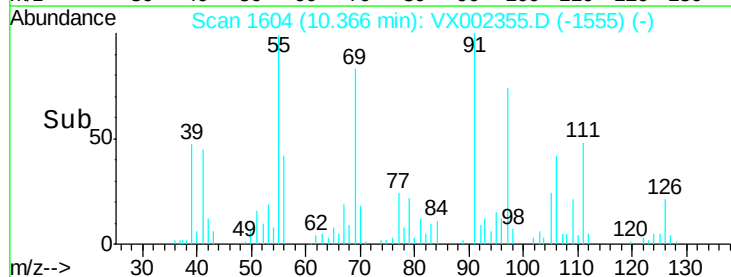
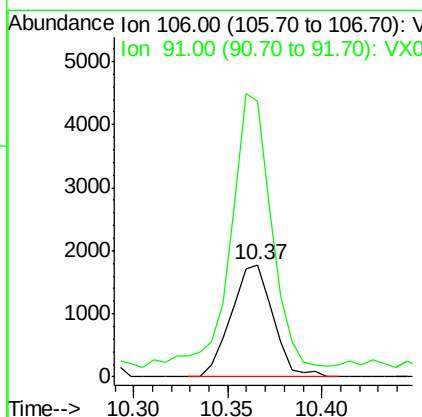
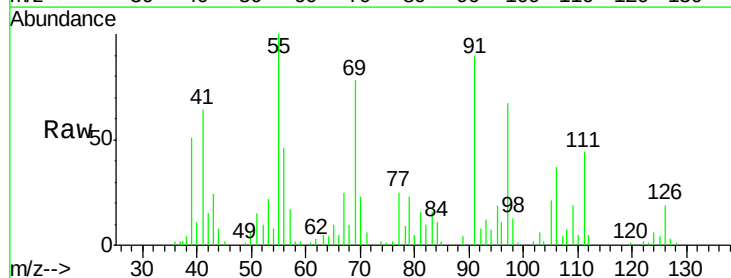
Instrument :
MSVOA_X
ClientSampled :

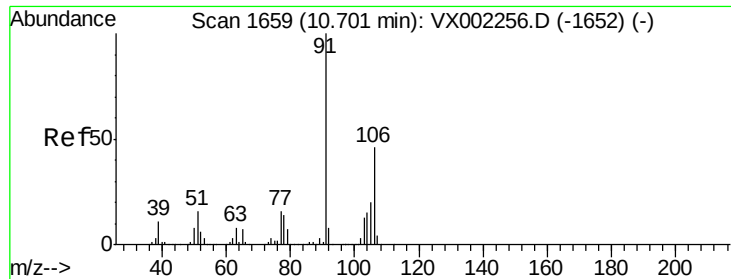
Tot Ion: 91 Resp: 4332
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.53 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 106 Resp: 2722
Ion Ratio Lower Upper
106 100
91 237.3 163.4 245.2

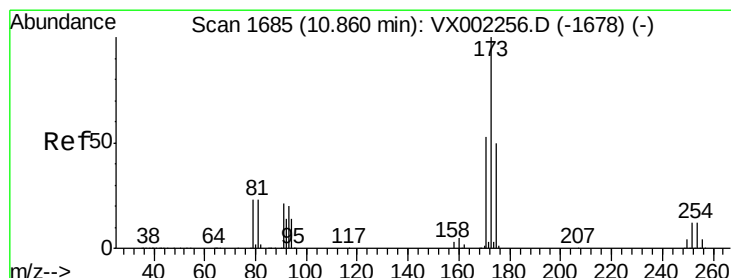
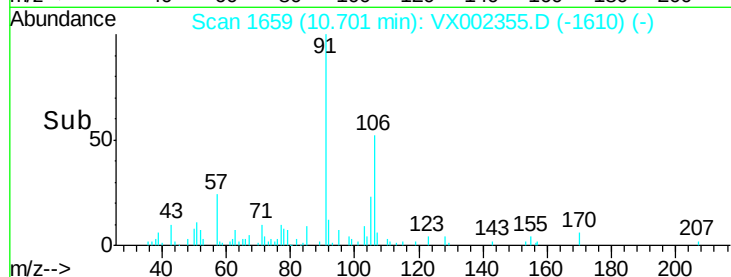
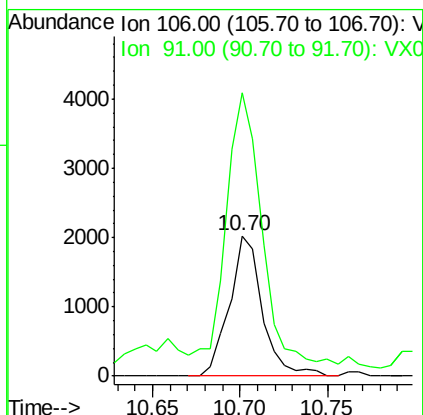
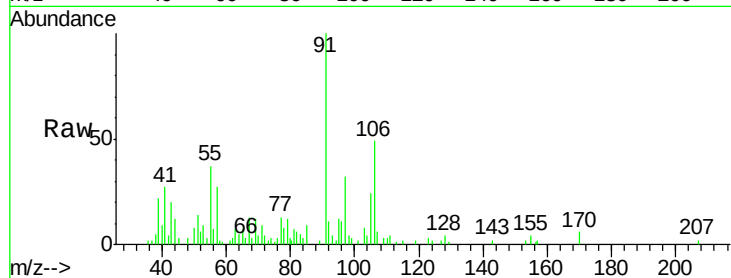




#69
o-Xylene
Concen: 0.52 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

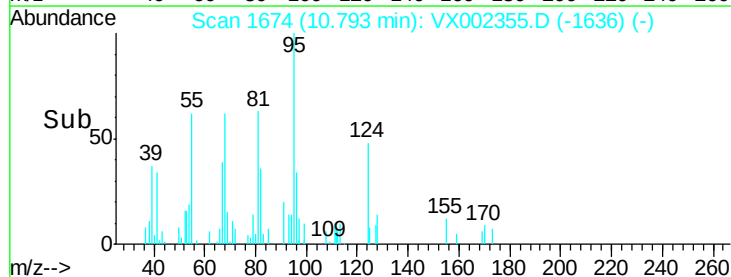
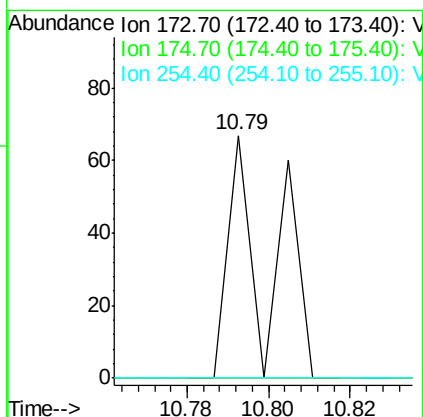
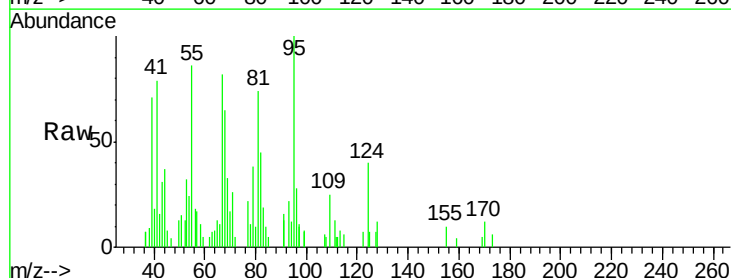
Instrument :
MSVOA_X
ClientSampled :

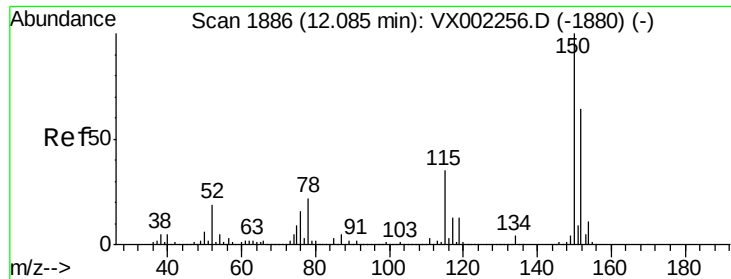
Tot Ion:106 Resp: 2659
Ion Ratio Lower Upper
106 100
91 216.8 108.2 324.6



#71
Bromoform
Concen: 3.47 ug/l
RT: 10.79 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion:173 Resp: 46
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#



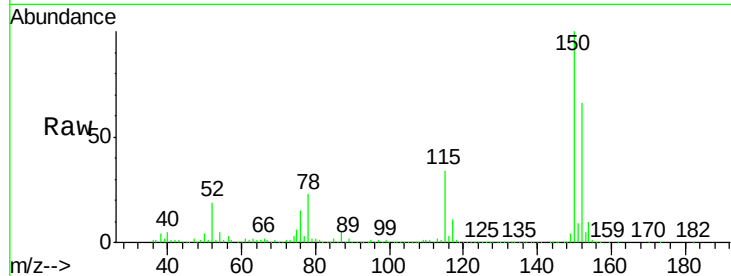


#72

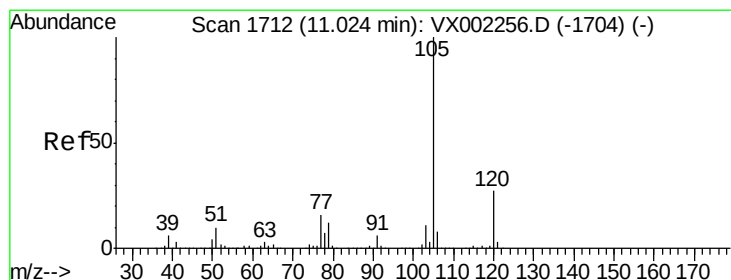
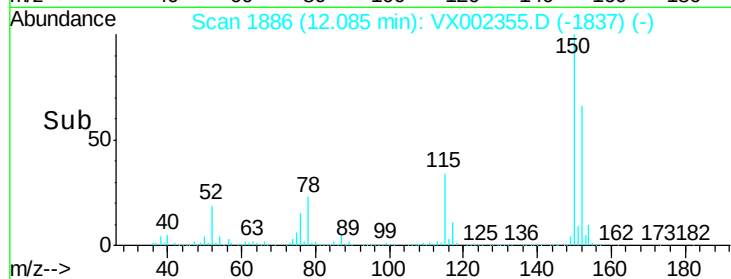
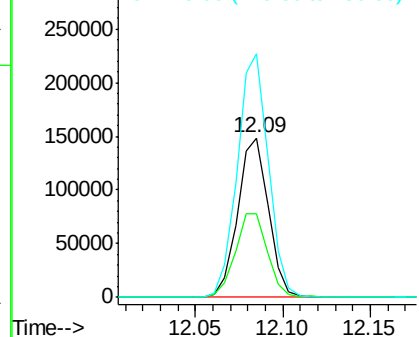
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 180862
Ion Ratio Lower Upper
152 100
115 54.4 40.1 120.2
150 154.5 0.0 347.2



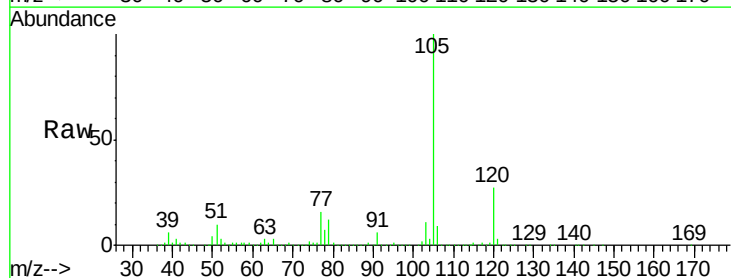
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



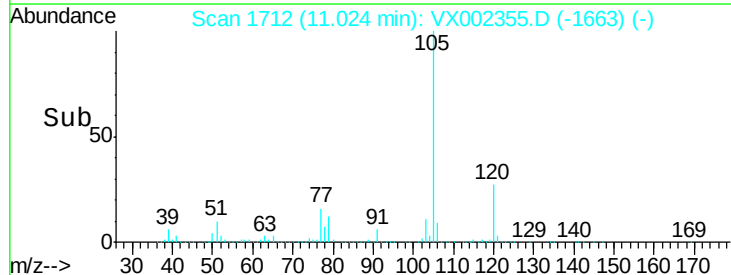
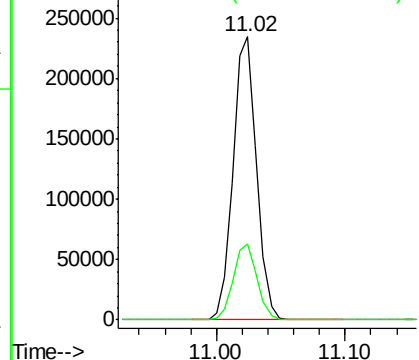
#73

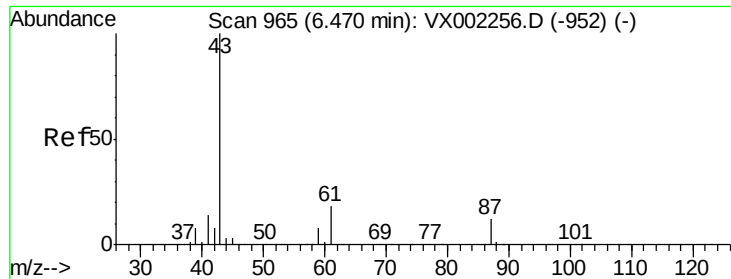
Isopropylbenzene
Concen: 23.85 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion:105 Resp: 300014
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.06 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 7216

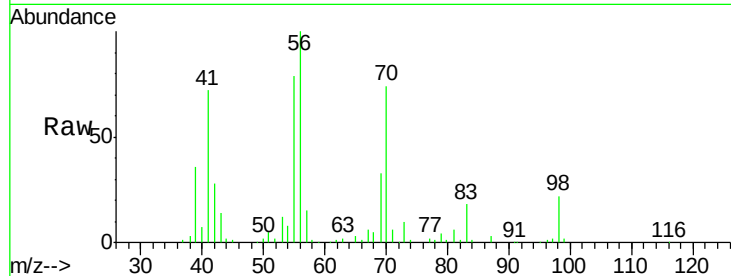
Ion Ratio Lower Upper

43 100

70 506.7 0.0 0.0#

55 574.3 0.0 0.0#

61 0.7 14.4 21.6#

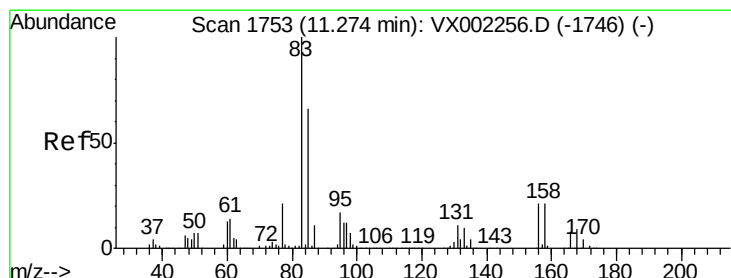
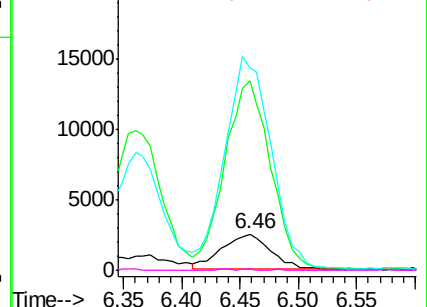
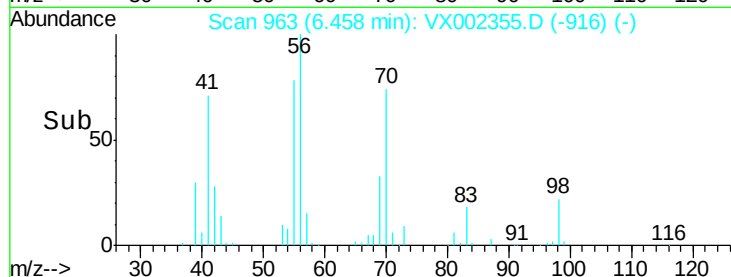


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.92 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

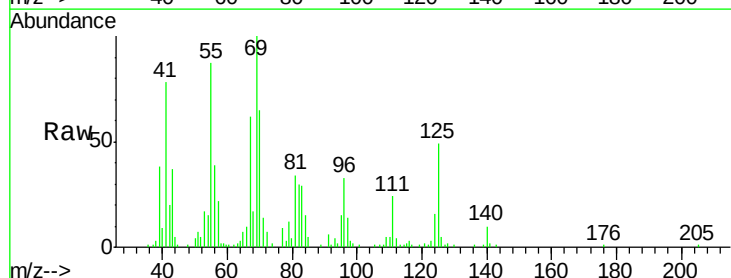
Tgt Ion: 83 Resp: 3642

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

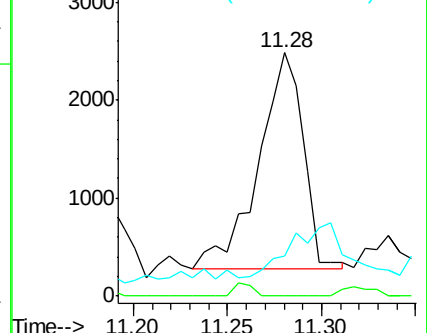
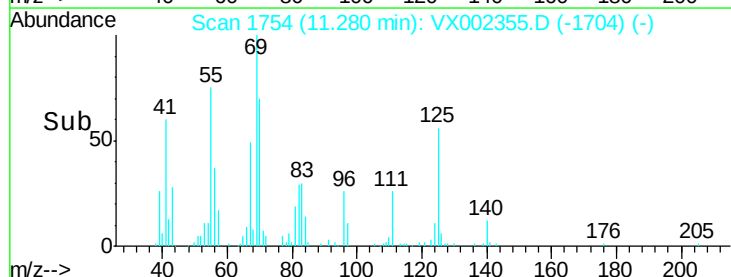
85 0.0 32.4 97.2#

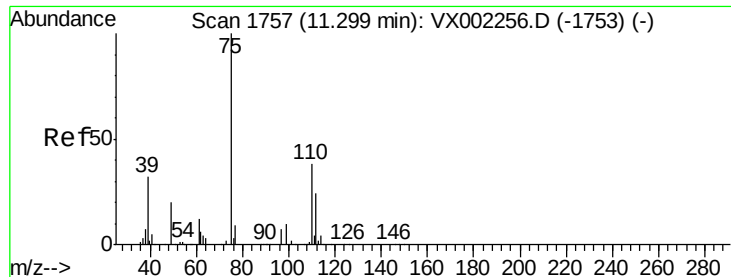


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 0.88 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.07 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

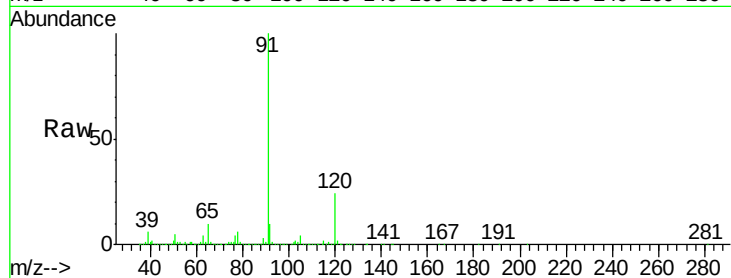
ClientSampled :

Tot Ion: 75 Resp: 3492

Ion Ratio Lower Upper

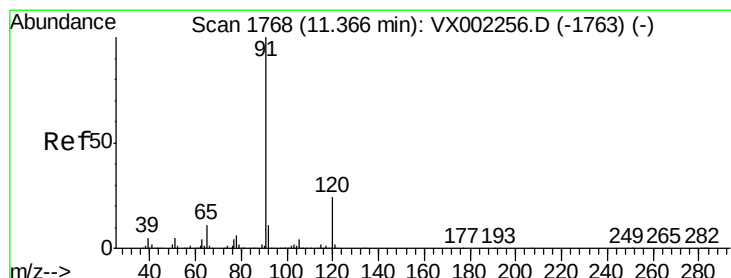
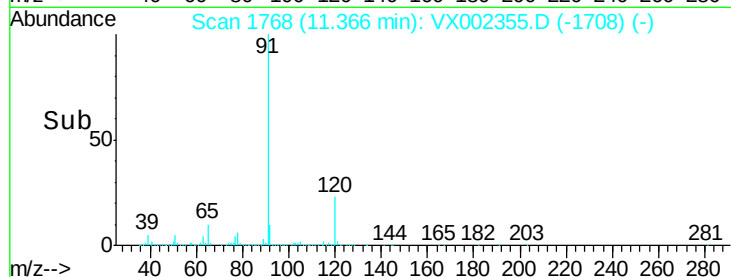
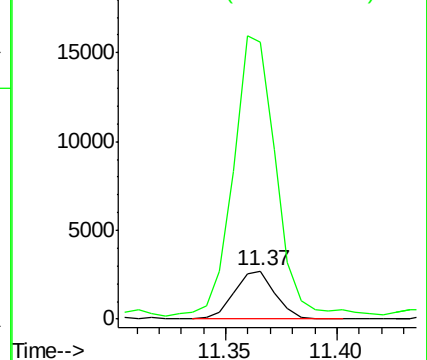
75 100

77 597.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 34.88 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002355.D

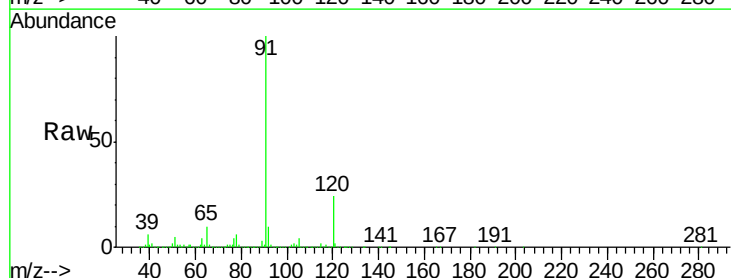
Acq: 06 Jun 2018 16:22

Tgt Ion: 91 Resp: 487796

Ion Ratio Lower Upper

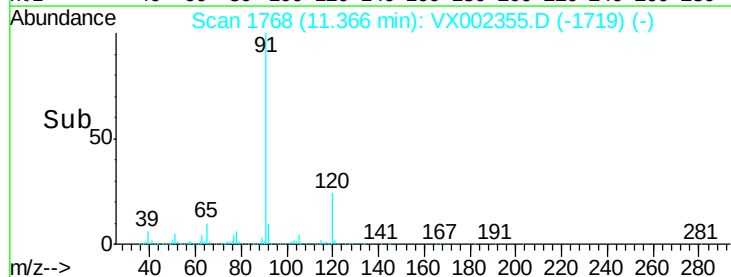
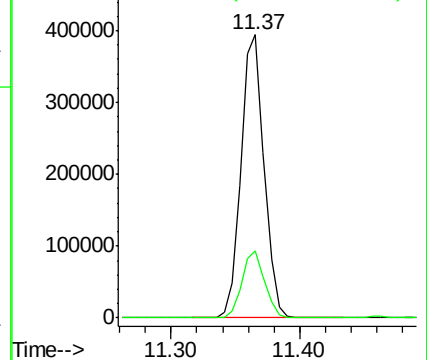
91 100

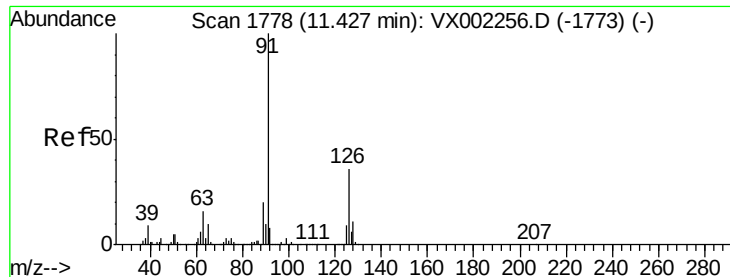
120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

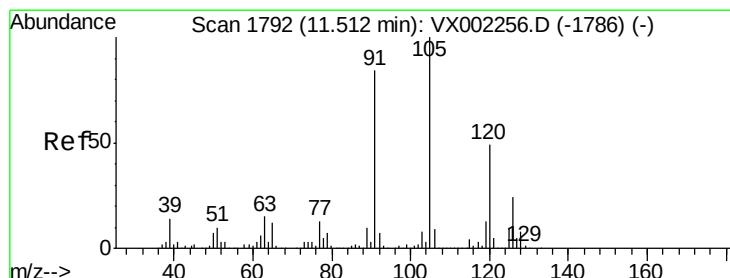
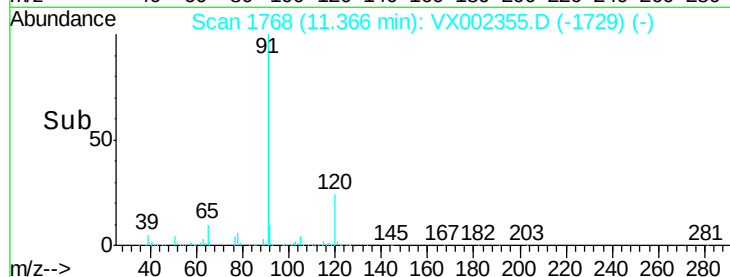
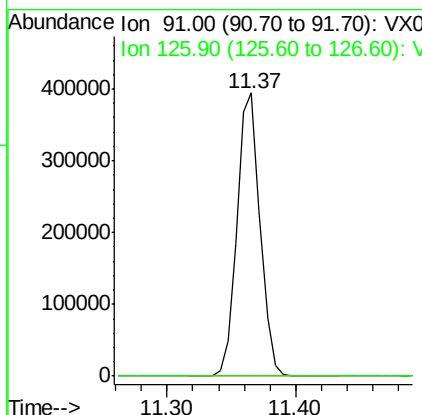
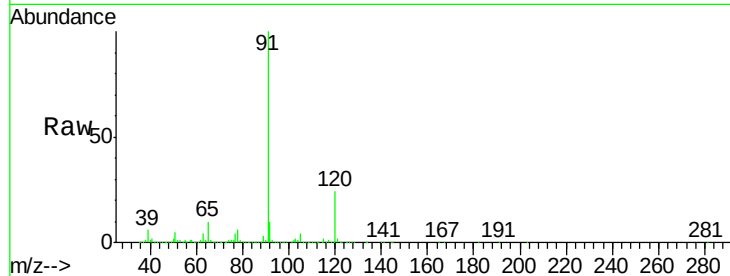




#79
 2-Chlorotoluene
 Concen: 55.24 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. -0.06 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

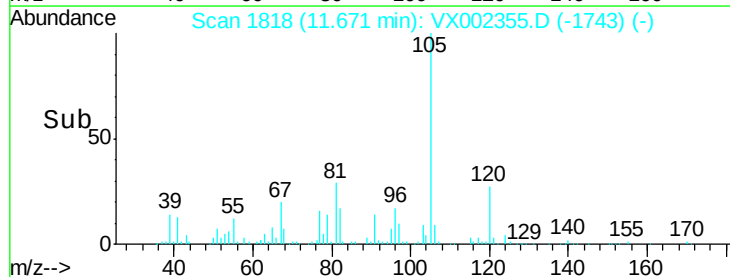
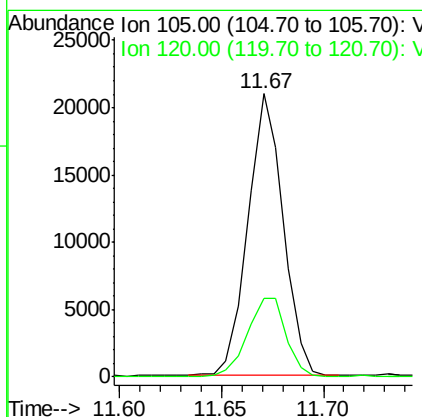
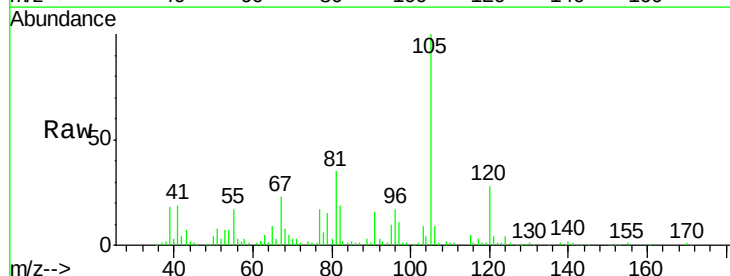
Instrument :
 MSVOA_X
 ClientSampled :

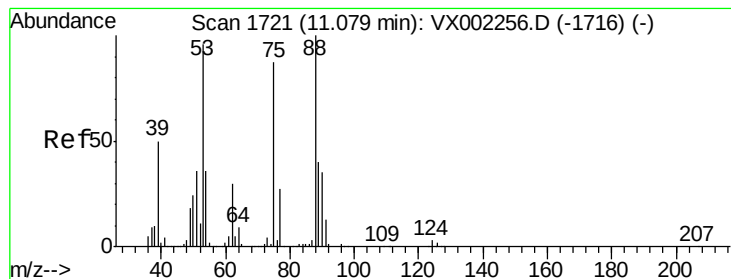
Tot Ion: 91 Resp: 487796
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.7 53.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.32 ug/l
 RT: 11.67 min Scan# 1818
 Delta R.T. 0.16 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

Tgt Ion:105 Resp: 25081
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 82.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

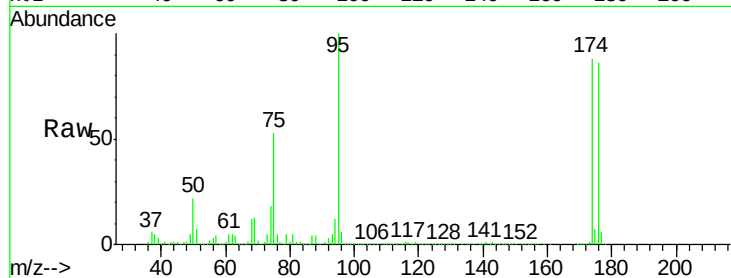
Tot Ion: 75 Resp: 93716

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

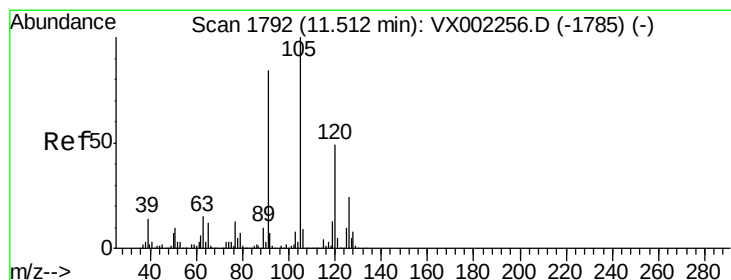
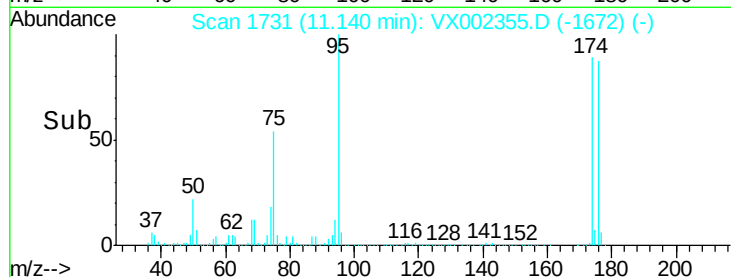
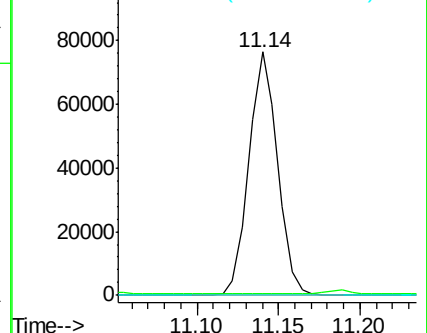
89 0.0 38.2 57.2#



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



#82

4-Chlorotoluene

Concen: 47.86 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.15 min

Lab File: VX002355.D

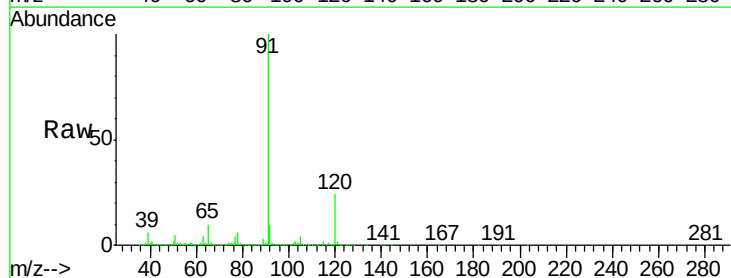
Acq: 06 Jun 2018 16:22

Tgt Ion: 91 Resp: 487796

Ion Ratio Lower Upper

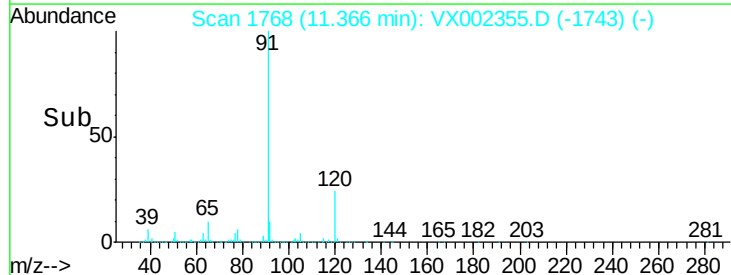
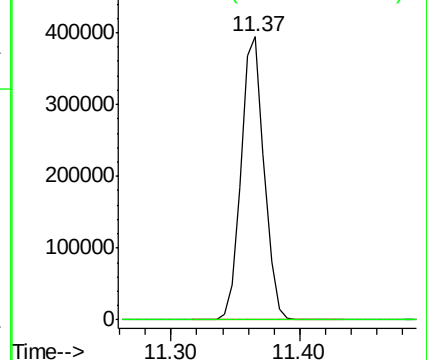
91 100

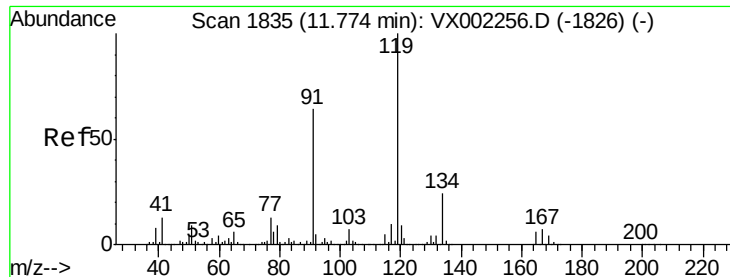
126 0.0 15.4 46.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.58 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampled :

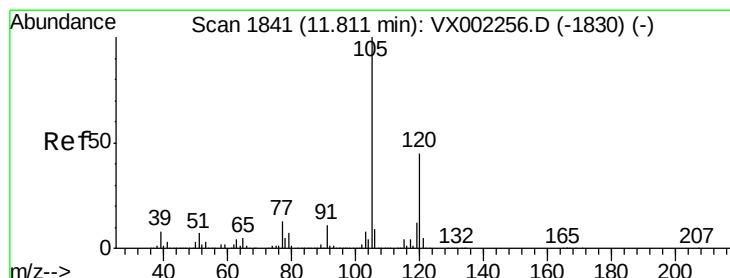
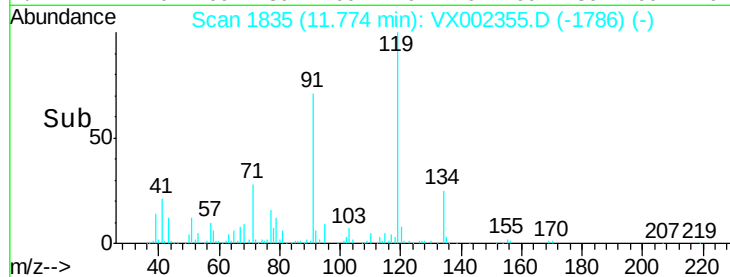
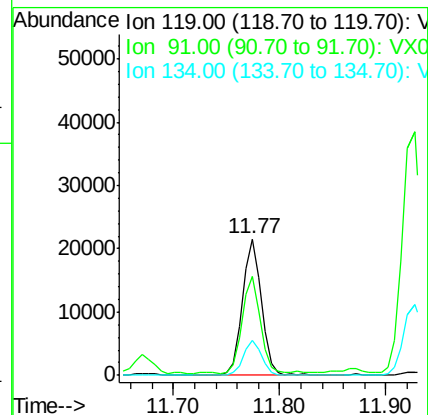
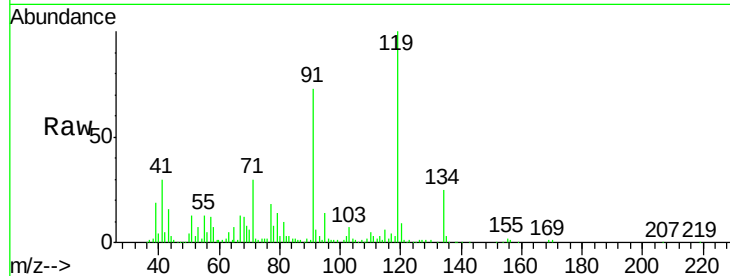
Tot Ion:119 Resp: 27146

Ion Ratio Lower Upper

119 100

91 67.7 30.3 90.9

134 25.0 11.7 35.1



#84

1,2,4-Trimethylbenzene

Concen: 2.28 ug/l

RT: 11.67 min Scan# 1818

Delta R.T. -0.14 min

Lab File: VX002355.D

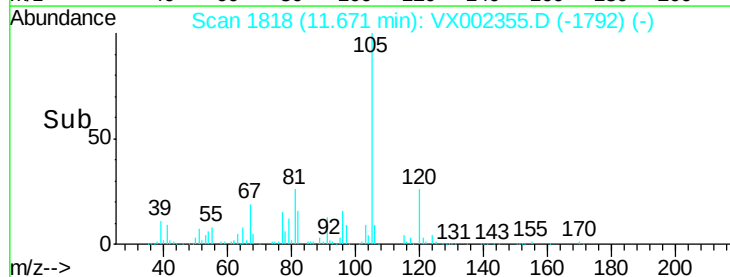
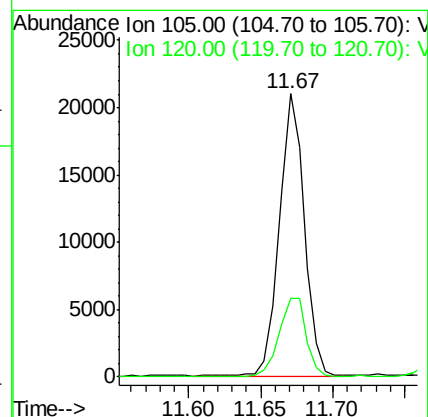
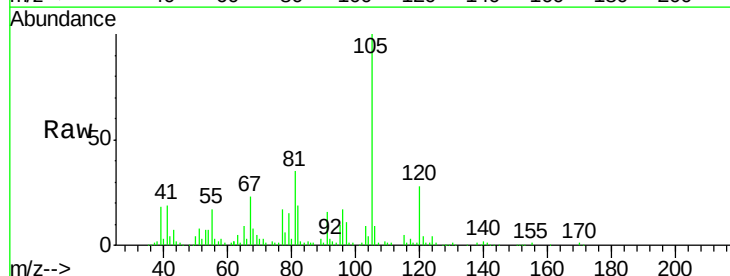
Acq: 06 Jun 2018 16:22

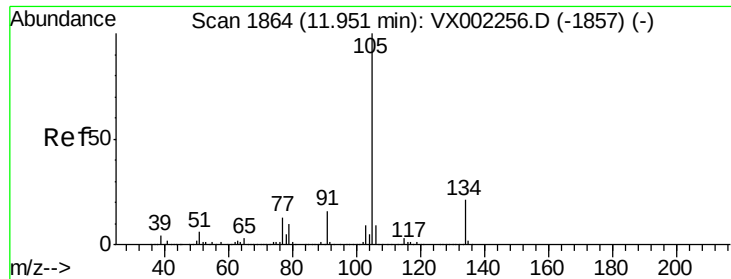
Tgt Ion:105 Resp: 25369

Ion Ratio Lower Upper

105 100

120 30.6 22.3 66.8





#85

sec-Butylbenzene

Concen: 13.07 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

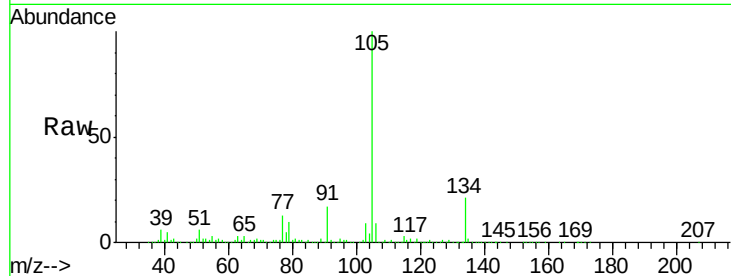
ClientSampled :

Tot Ion:105 Resp: 161017

Ion Ratio Lower Upper

105 100

134 28.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

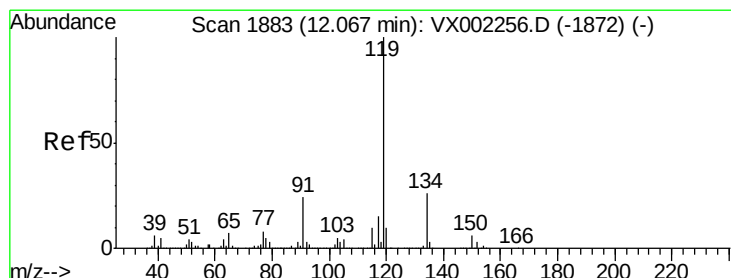
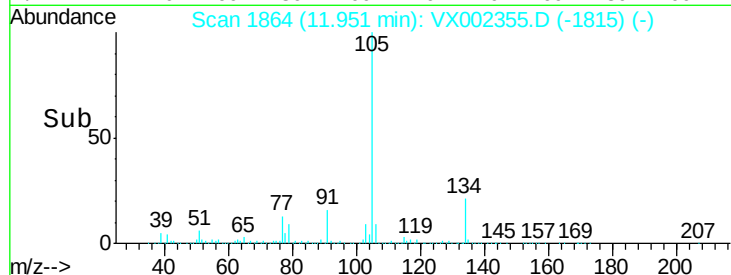
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 8.45 ug/l

RT: 12.24 min Scan# 1911

Delta R.T. 0.17 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

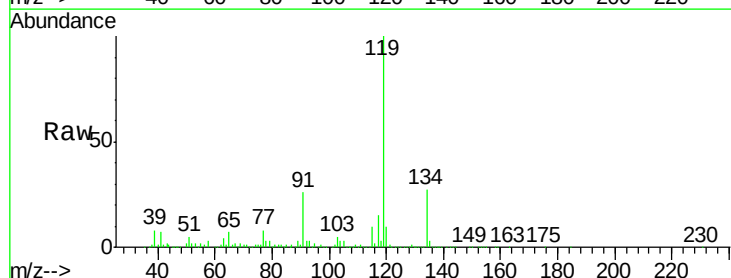
Tgt Ion:119 Resp: 94769

Ion Ratio Lower Upper

119 100

134 29.0 13.4 40.1

91 25.8 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

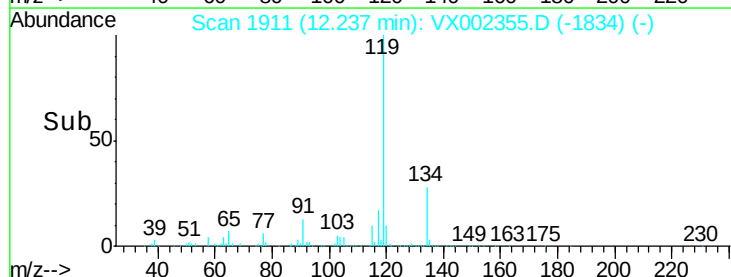
150000

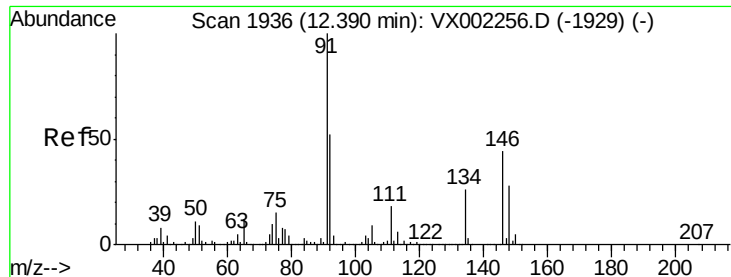
100000

50000

0

Time-->





#89

n-Butylbenzene

Concen: 9.90 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampled :

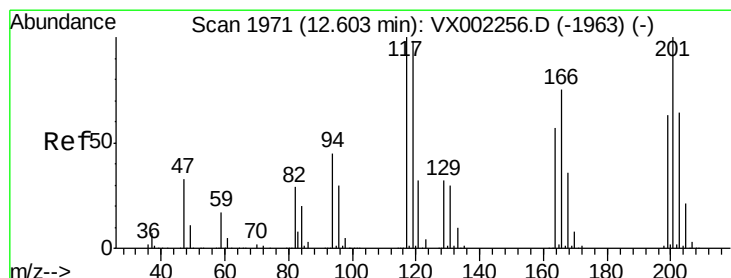
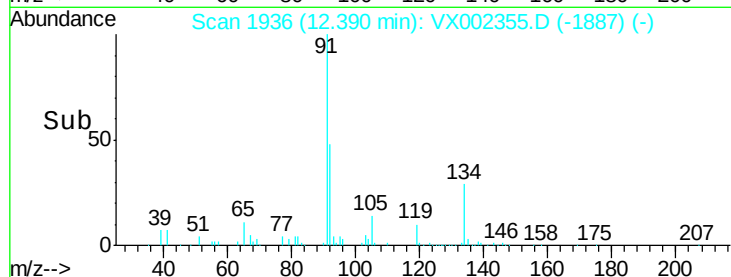
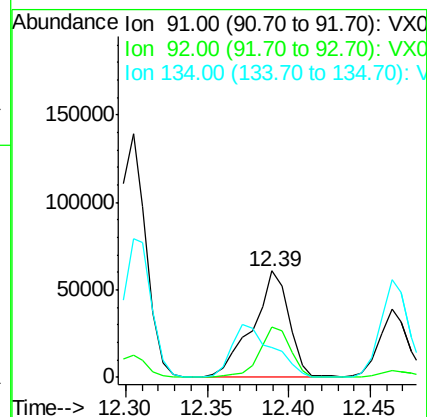
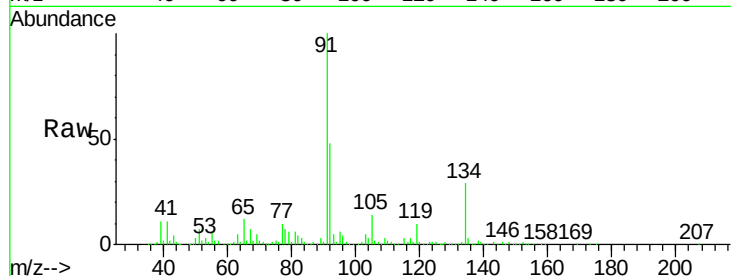
Tot Ion: 91 Resp: 93129

Ion Ratio Lower Upper

91 100

92 40.9 26.0 78.0

134 56.8 13.5 40.5#



#90

Hexachloroethane

Concen: 47.01 ug/l

RT: 12.67 min Scan# 1982

Delta R.T. 0.07 min

Lab File: VX002355.D

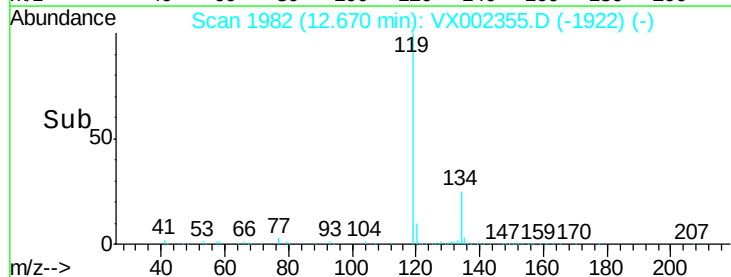
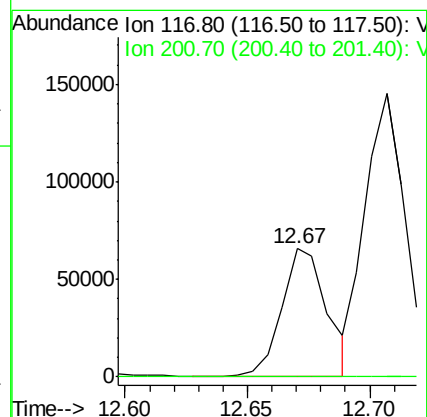
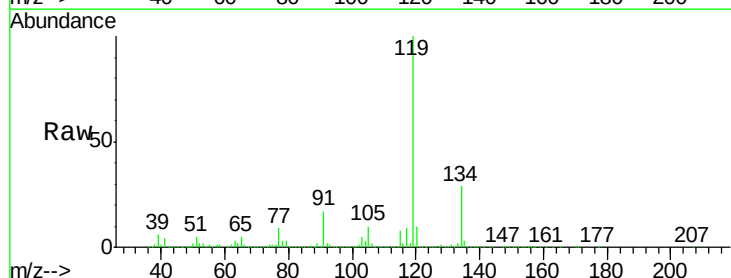
Acq: 06 Jun 2018 16:22

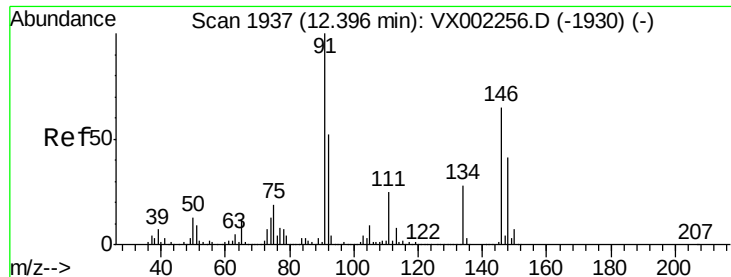
Tgt Ion: 117 Resp: 84203

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#

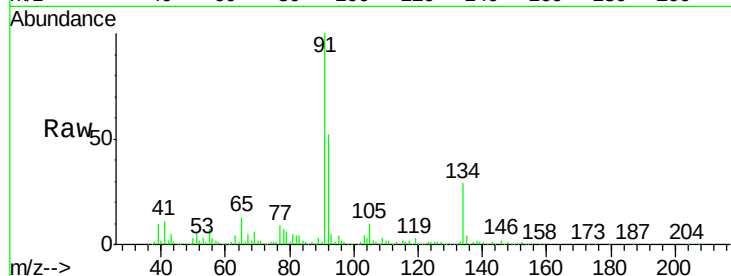




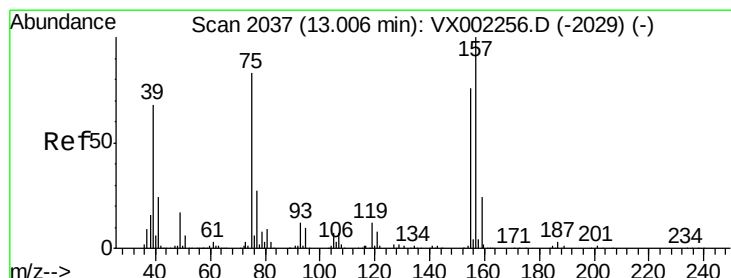
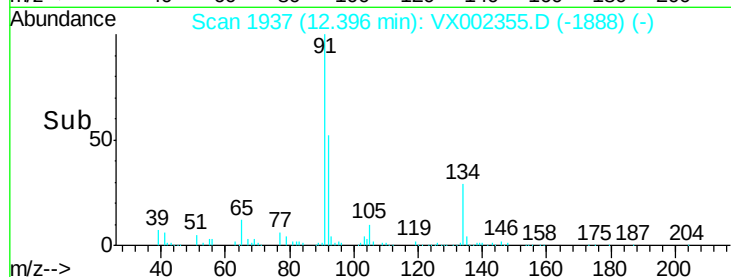
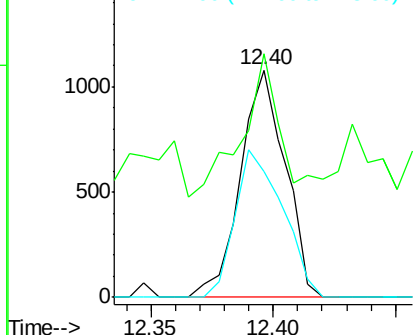
#91
1,2-Dichlorobenzene
Concen: 0.21 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:146 Resp: 1377
Ion Ratio Lower Upper
146 100
111 41.1 19.4 58.1
148 69.1 31.7 95.1

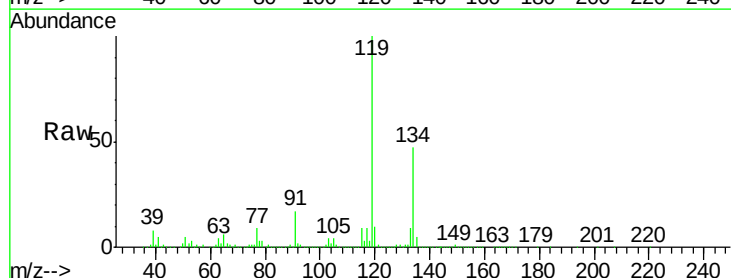


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

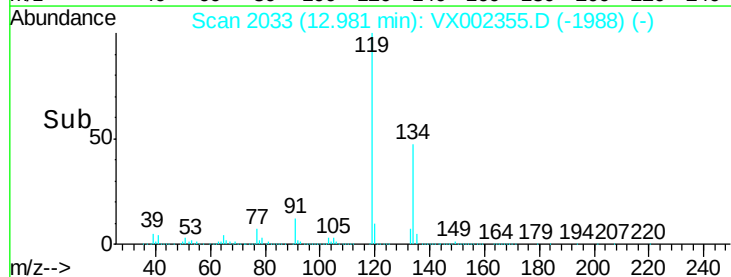
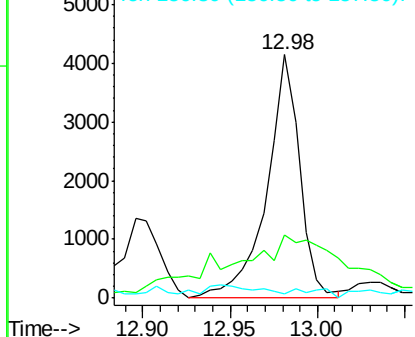


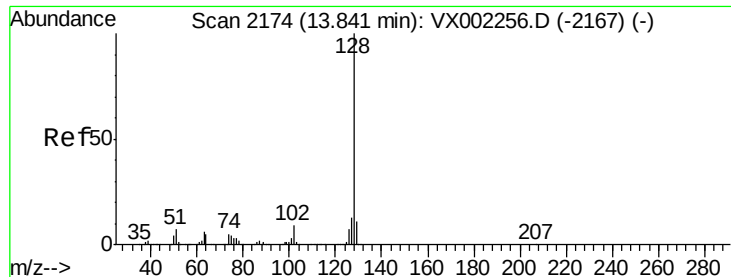
#92
1,2-Dibromo-3-Chloropropane
Concen: 6.29 ug/l
RT: 12.98 min Scan# 2033
Delta R.T. -0.02 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 75 Resp: 5445
Ion Ratio Lower Upper
75 100
155 67.5 45.8 137.4
157 3.7 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#95
 Naphthalene
 Concen: 0.68 ug/l
 RT: 13.85 min Scan# 2176
 Delta R.T. 0.01 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:128 Resp: 8958
 Ion Ratio Lower Upper
 128 100
 127 29.8 10.4 15.6#
 129 78.3 8.6 13.0#

