

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006708.D
 Acq On : 21 Dec 2018 06:28
 Operator : JC/MD
 Sample : J6517-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-121918-01

Quant Time: Dec 21 07:51:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	674056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1040720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	949081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	460811	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	357241	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	5.51	113	306727	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	8.71	98	1234692	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.14	95	449228	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2287	0.344	ug/l	93
5) Bromomethane	1.62	94	178	Below Cal	#	45
6) Chloroethane	1.59	64	60278	12.547	ug/l #	51
13) Acrolein	2.31	56	236	0.216	ug/l #	13
15) Acrylonitrile	3.17	53	3301	0.917	ug/l #	48
16) Acetone	2.45	43	17370	5.204	ug/l	94
18) Methyl Acetate	2.78	43	3408	0.347	ug/l #	53
19) Methyl tert-butyl Ether	3.21	73	8157	0.408	ug/l #	1
20) Methylene Chloride	2.86	84	2727	0.395	ug/l #	74
28) Bromochloromethane	5.01	49	350	Below Cal	#	10
31) Cyclohexane	5.59	56	39201	3.898	ug/l	92
36) 1,1-Dichloropropene	5.66	75	43038	4.993	ug/l #	50
38) Carbon Tetrachloride	5.66	117	62420	7.451	ug/l #	14
39) Methylcyclohexane	7.46	83	96350	8.491	ug/l	97
40) Benzene	6.14	78	8935	0.341	ug/l	92
44) Trichloroethene	7.21	130	2624	0.331	ug/l	94
48) Methyl methacrylate	7.73	41	9000	1.297	ug/l #	51
49) 1,4-Dioxane	7.76	88	116	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.66	43	3638	0.419	ug/l	93
52) Toluene	8.79	92	5628	0.332	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	14564	2.102	ug/l #	19
56) Ethyl methacrylate	9.16	69	3024	0.309	ug/l #	1
60) Dibromochloromethane	9.59	129	54	2.331	ug/l #	10
67) Ethyl Benzene	10.26	91	9082	0.277	ug/l	96
68) m/p-Xylenes	10.36	106	6750	0.521	ug/l	100
69) o-Xylene	10.70	106	3859	0.302	ug/l	98
73) Isopropylbenzene	11.02	105	588128	18.656	ug/l	99
74) N-amyl acetate	10.91	43	8479	0.751	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	10623	1.133	ug/l #	33
76) 1,2,3-Trichloropropane	11.36	75	11248	1.313	ug/l #	1
78) n-propylbenzene	11.36	91	2014224	58.021	ug/l	99
79) 2-Chlorotoluene	11.36	91	2014224	95.743	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.67	105	106735	4.111	ug/l	74
81) trans-1,4-Dichloro-2-buten	11.02	75	6803	6.445	ug/l #	68

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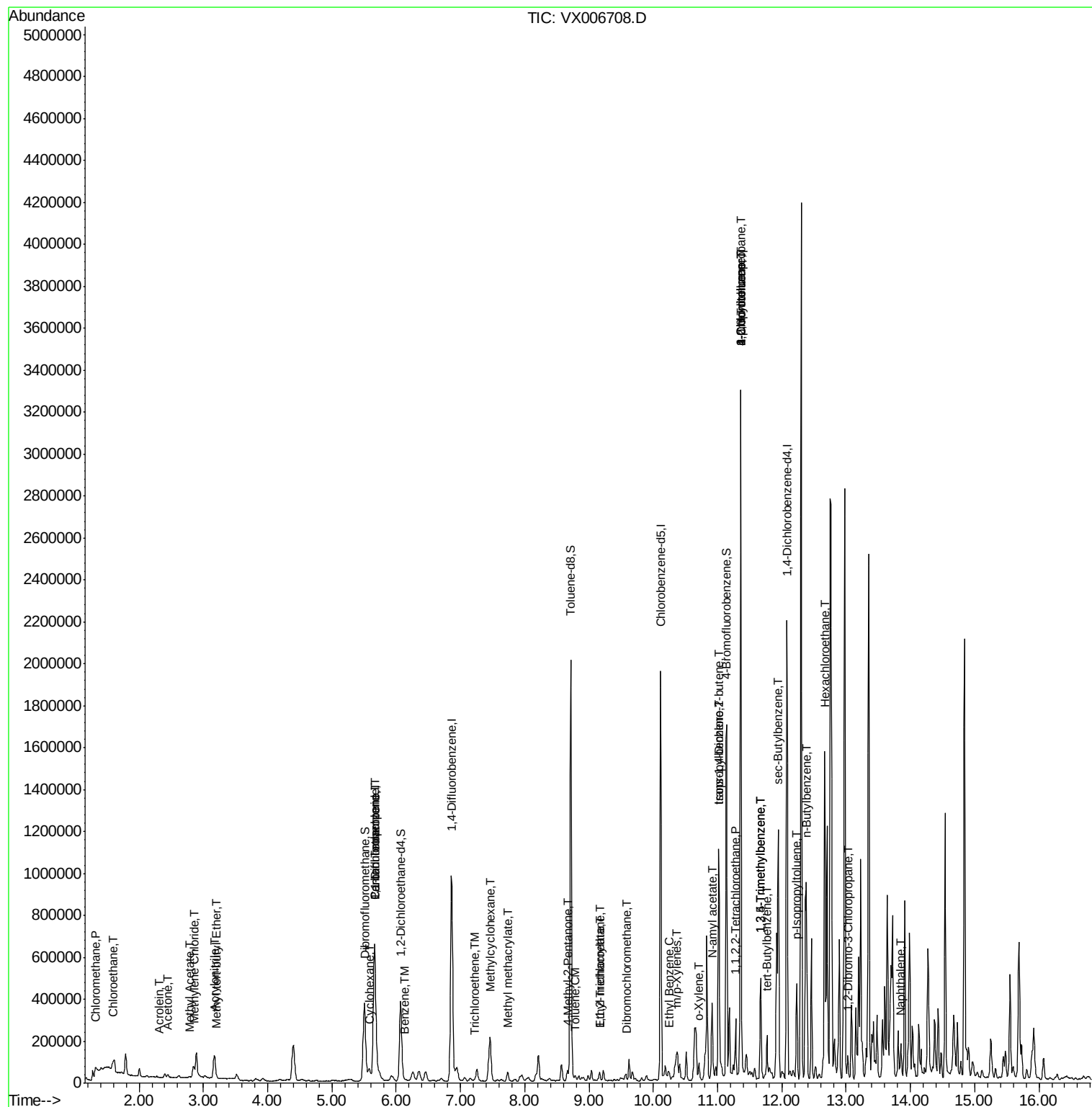
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.36	91	2014224	83.467	ug/l #	42
83) tert-Butylbenzene	11.77	119	78382	3.016	ug/l	90
84) 1,2,4-Trimethylbenzene	11.67	105	106735	3.908	ug/l	78
85) sec-Butylbenzene	11.94	105	642426	20.162	ug/l	97
86) p-Isopropyltoluene	12.23	119	198736	7.096	ug/l	98
89) n-Butylbenzene	12.39	91	434458	18.226	ug/l #	83
90) Hexachloroethane	12.67	117	75102	19.298	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.03	75	585	0.302	ug/l #	1
95) Naphthalene	13.83	128	18947	0.560	ug/l #	85

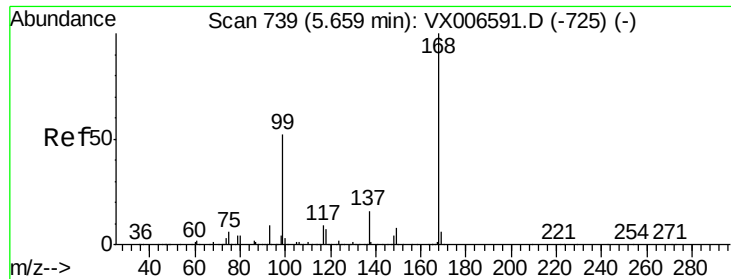
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

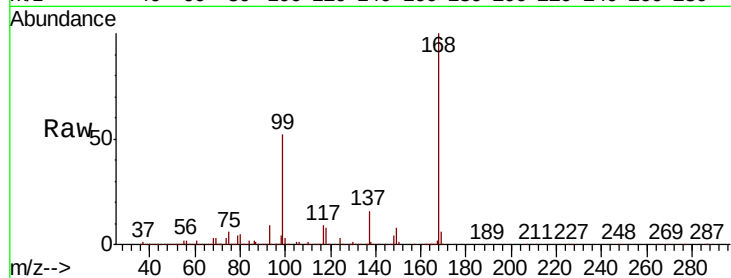
DUP-121918-01

Tot Ion:168 Resp: 674056

Ion Ratio Lower Upper

168 100

99 51.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

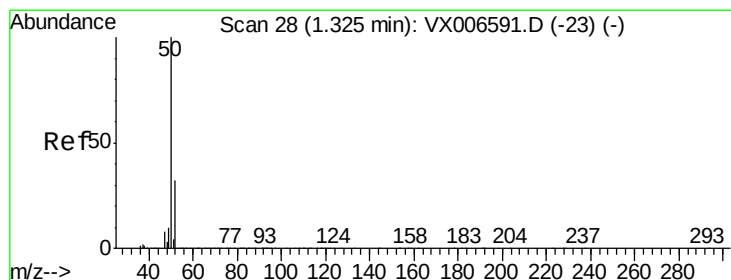
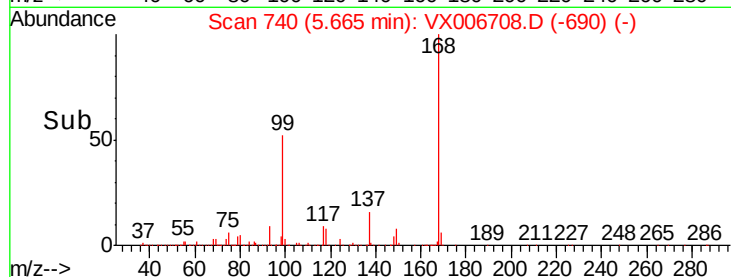
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.344 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006708.D

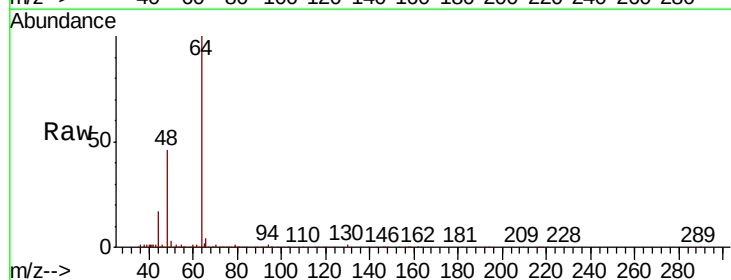
Acq: 21 Dec 2018 06:28

Tgt Ion: 50 Resp: 2287

Ion Ratio Lower Upper

50 100

52 28.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

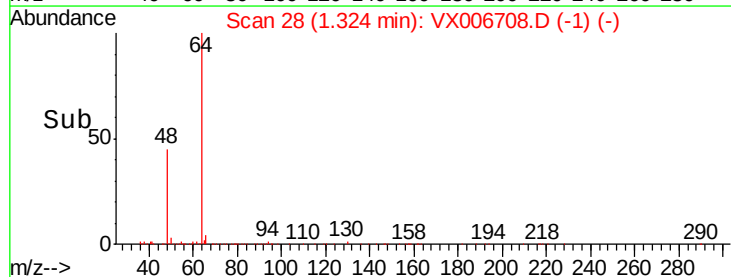
1500

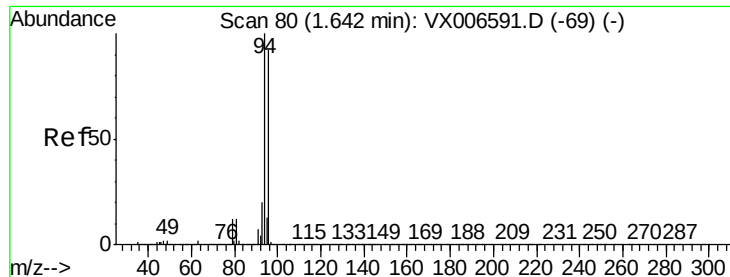
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

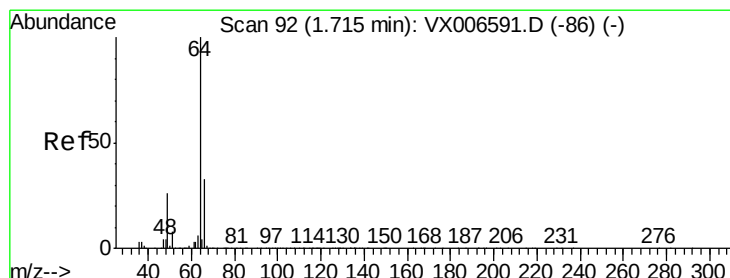
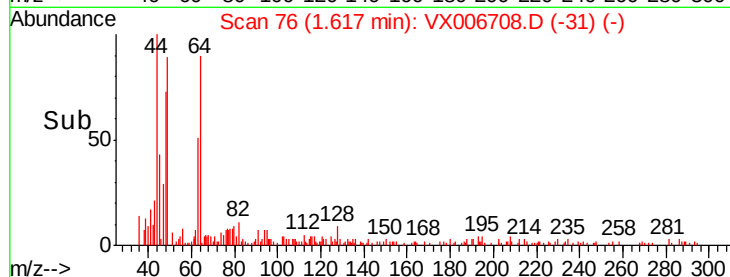
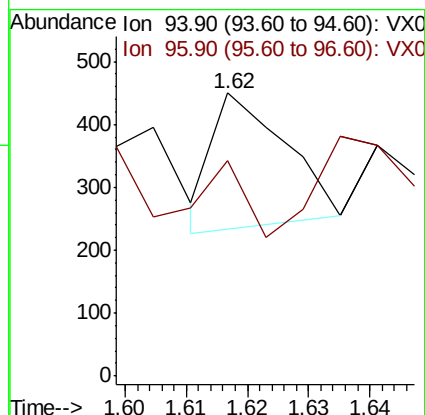
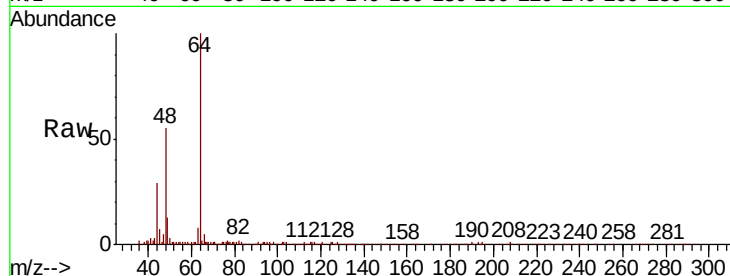
DUP-121918-01

Tot Ion: 94 Resp: 178

Ion Ratio Lower Upper

94 100

96 39.0 73.4 110.2#



#6

Chloroethane

Concen: 12.547 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.12 min

Lab File: VX006708.D

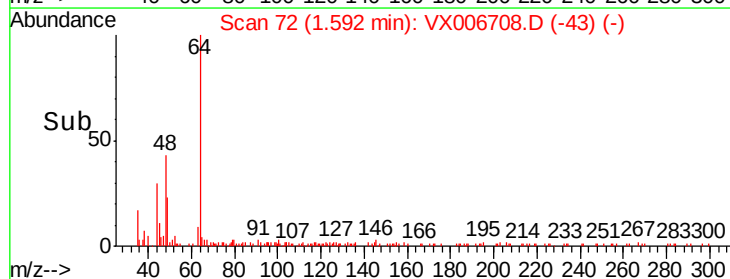
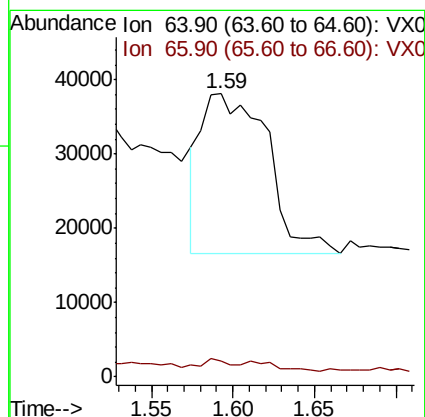
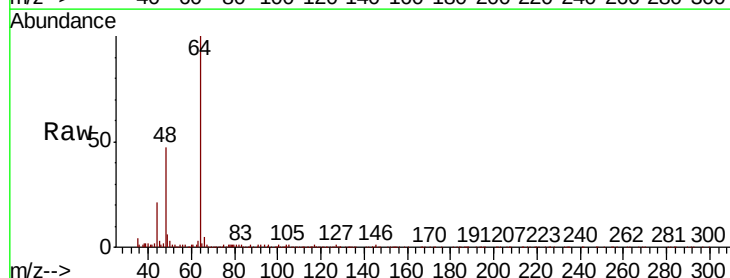
Acq: 21 Dec 2018 06:28

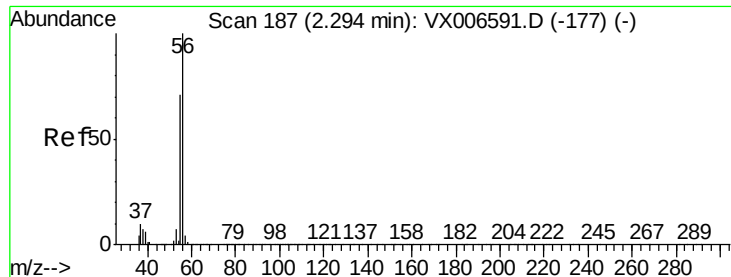
Tgt Ion: 64 Resp: 60278

Ion Ratio Lower Upper

64 100

66 5.2 26.4 39.6#





#13

Acrolein

Concen: 0.216 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampled :

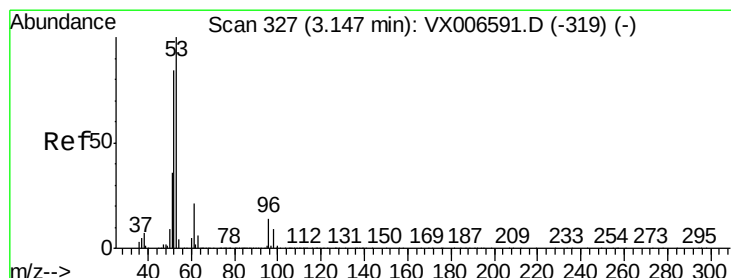
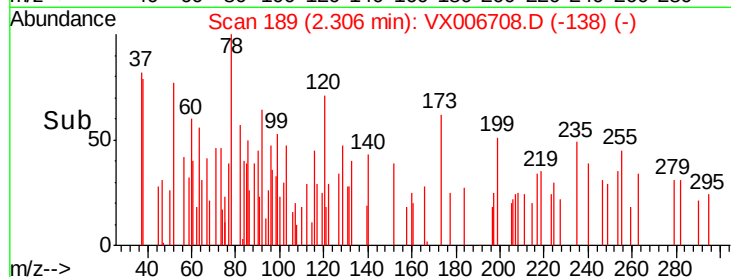
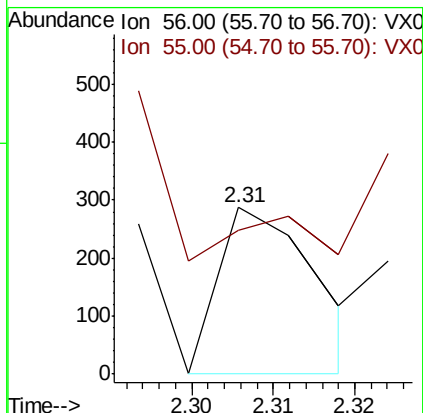
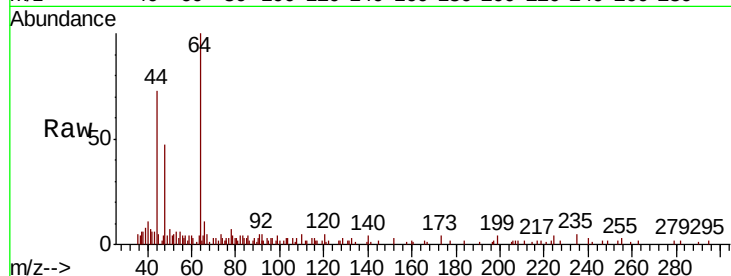
DUP-121918-01

Tot Ion: 56 Resp: 236

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#15

Acrylonitrile

Concen: 0.917 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

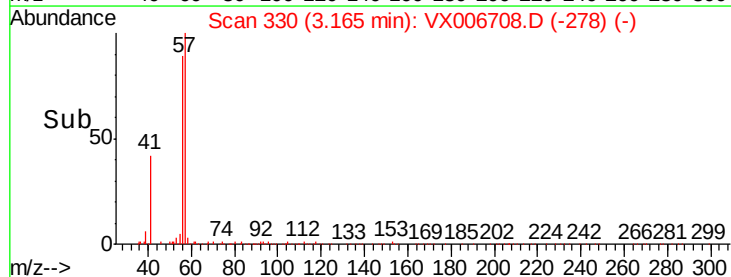
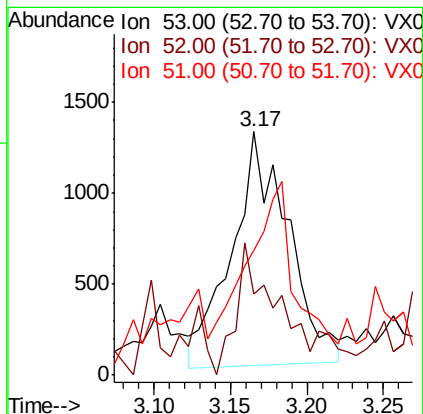
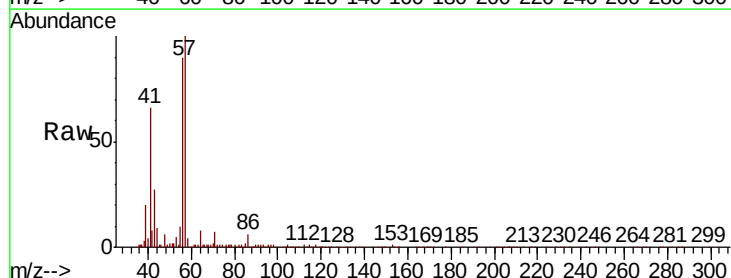
Tgt Ion: 53 Resp: 3301

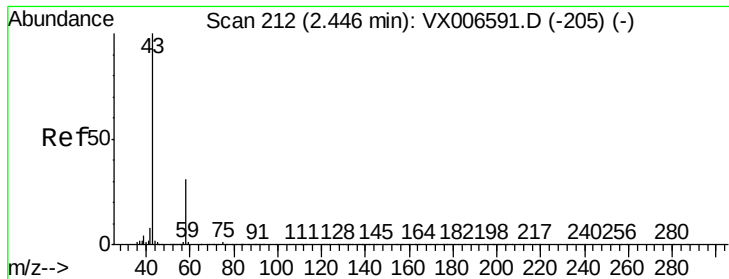
Ion Ratio Lower Upper

53 100

52 39.9 66.0 99.0#

51 0.0 28.6 42.8#





#16

Acetone

Concen: 5.204 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

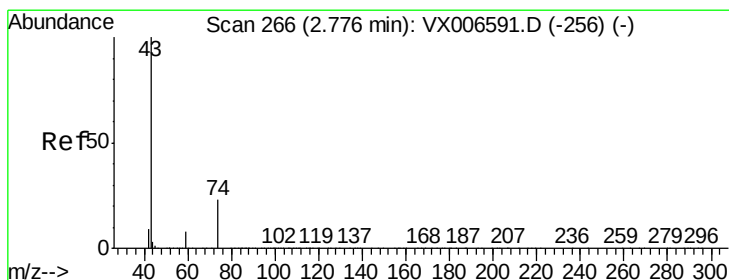
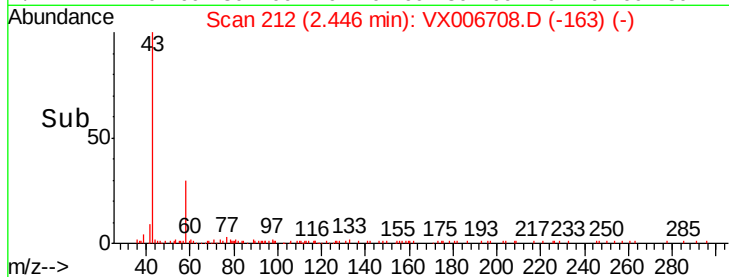
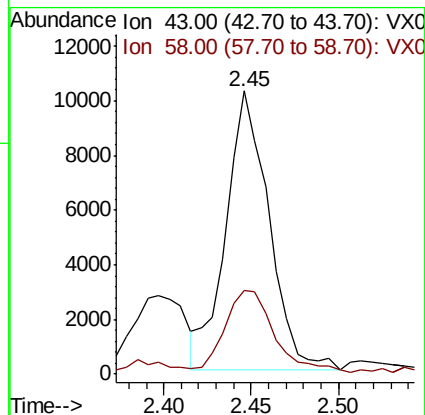
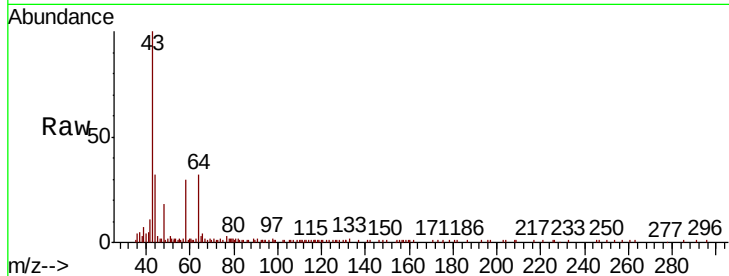
DUP-121918-01

Tot Ion: 43 Resp: 17370

Ion Ratio Lower Upper

43 100

58 28.2 25.0 37.6



#18

Methyl Acetate

Concen: 0.347 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006708.D

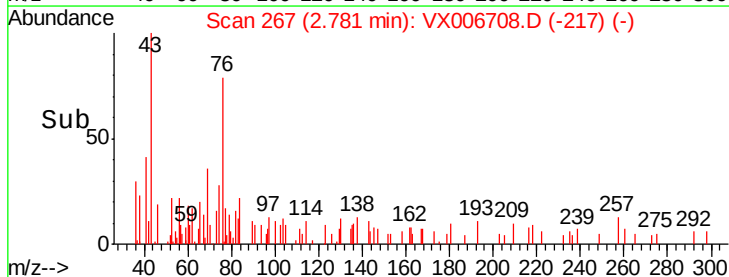
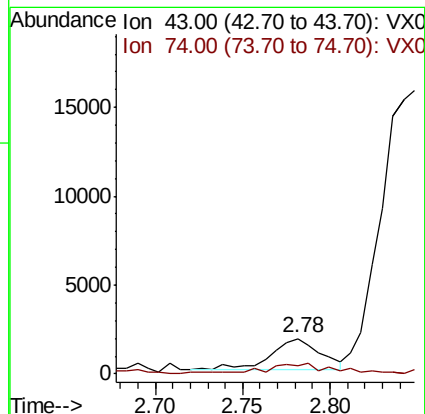
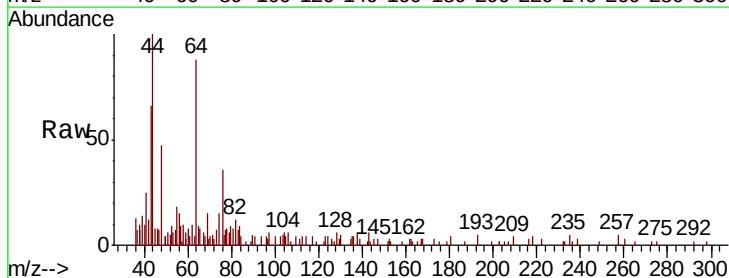
Acq: 21 Dec 2018 06:28

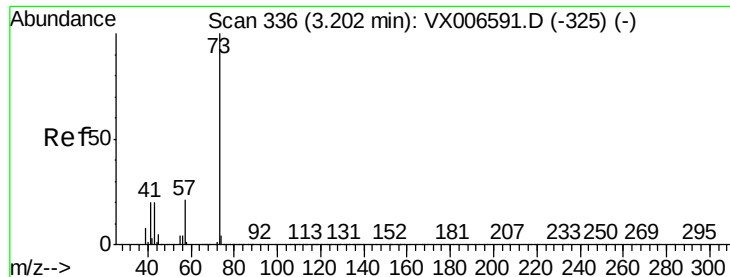
Tgt Ion: 43 Resp: 3408

Ion Ratio Lower Upper

43 100

74 46.4 18.6 28.0#



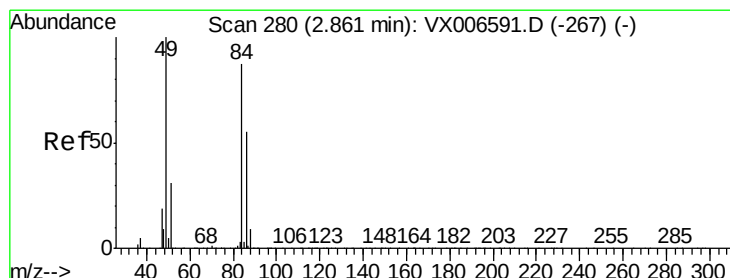
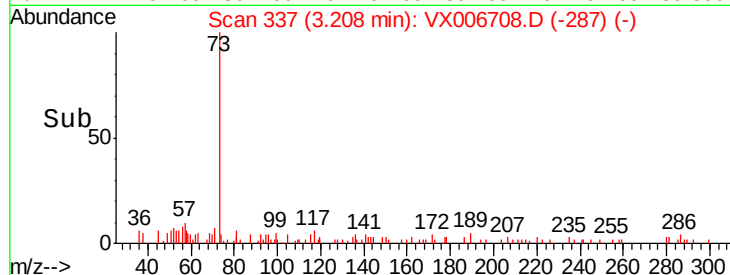
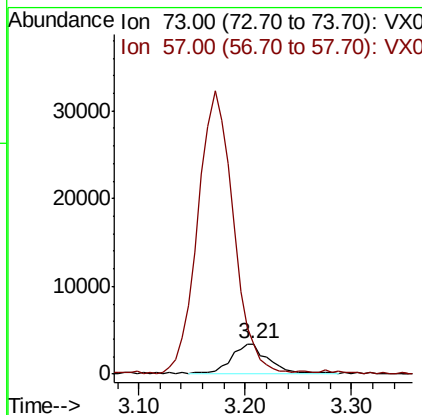
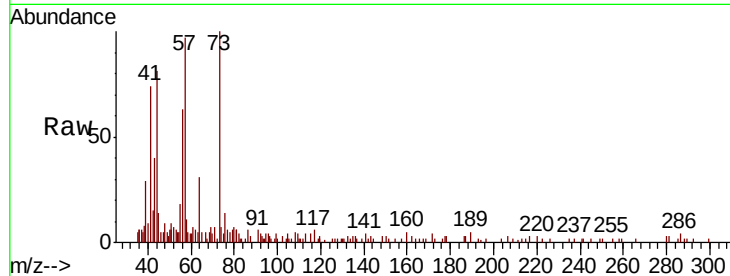


#19

Methyl tert-butyl Ether
 Concen: 0.408 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX006708.D
 Acq: 21 Dec 2018 06:28

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-121918-01

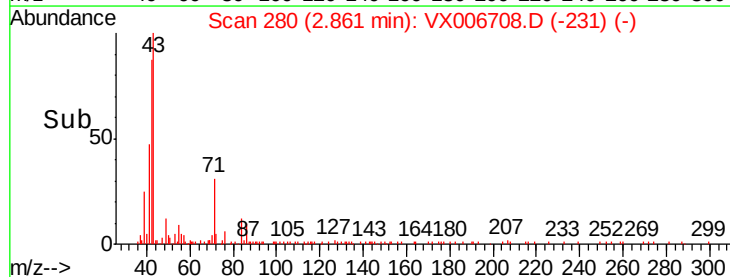
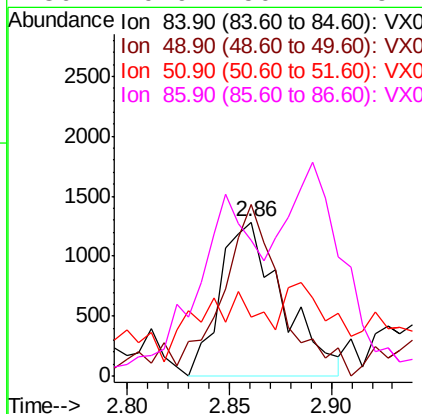
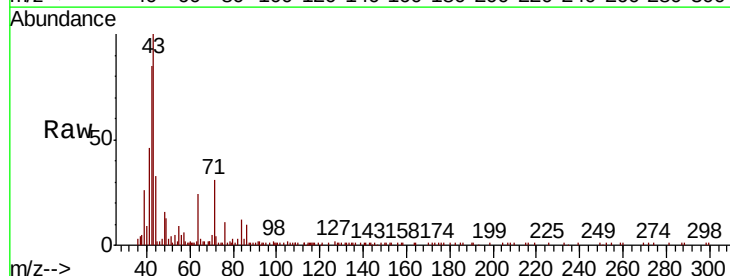
Tot Ion: 73 Resp: 8157
 Ion Ratio Lower Upper
 73 100
 57 90.8 16.8 25.2#

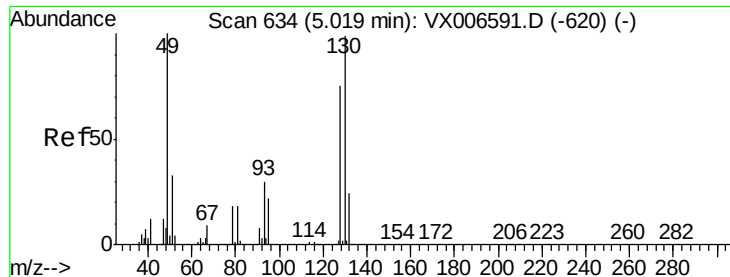


#20

Methylene Chloride
 Concen: 0.395 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX006708.D
 Acq: 21 Dec 2018 06:28

Tgt Ion: 84 Resp: 2727
 Ion Ratio Lower Upper
 84 100
 49 92.8 91.8 137.6
 51 0.0 28.5 42.7#
 86 49.9 50.2 75.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

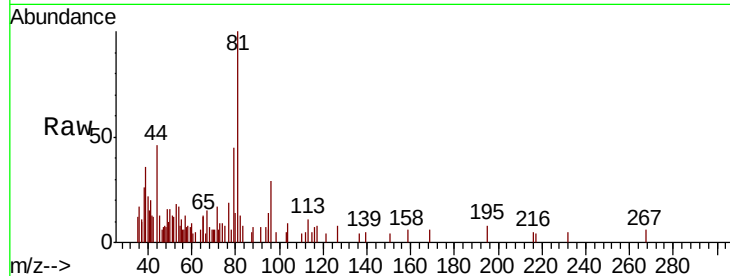
Tot Ion: 49 Resp: 350

Ion Ratio Lower Upper

49 100

129 8.3 0.0 5.4#

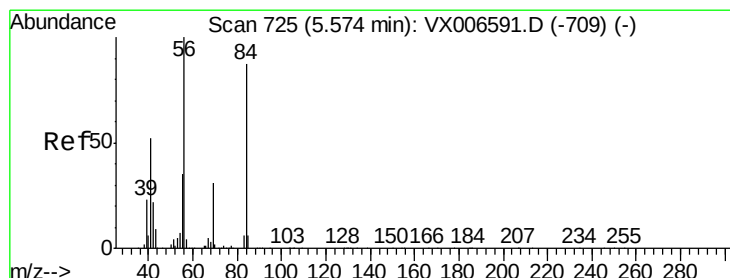
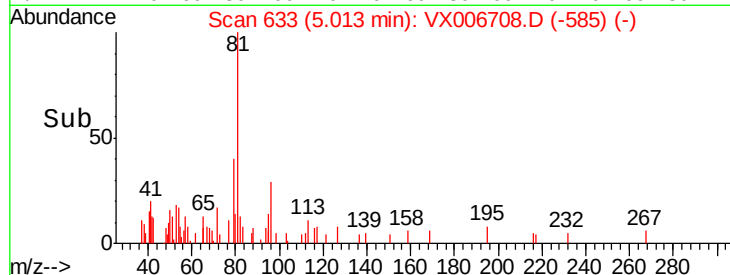
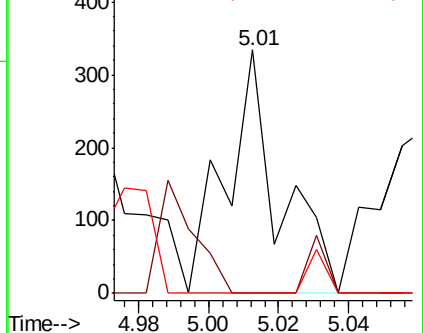
130 6.3 77.7 116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 3.898 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

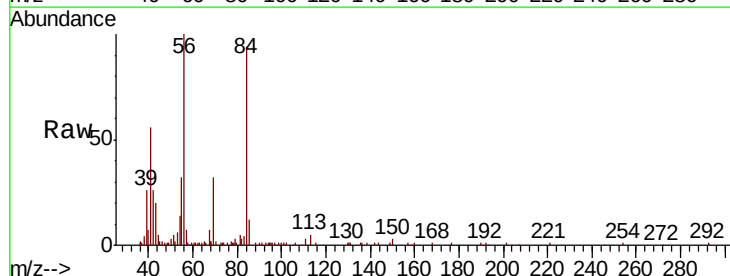
Tgt Ion: 56 Resp: 39201

Ion Ratio Lower Upper

56 100

69 25.6 24.4 36.6

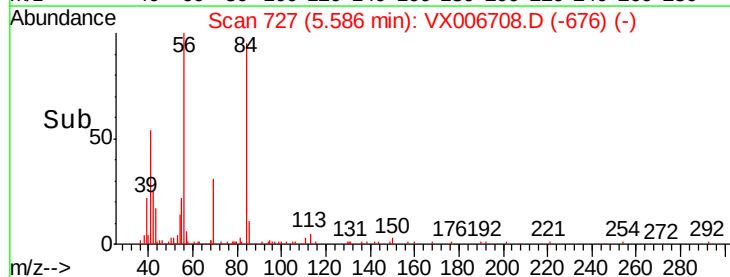
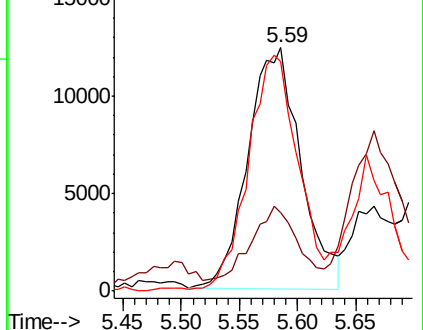
84 94.4 70.0 105.0

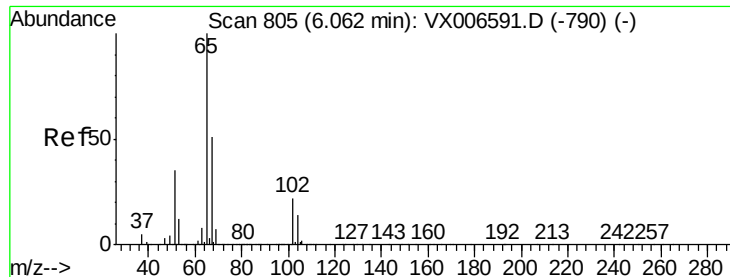


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.175 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

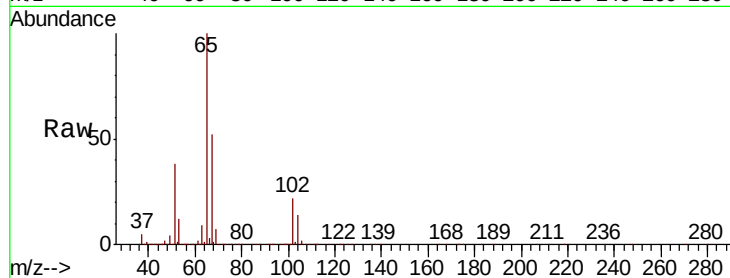
DUP-121918-01

Tot Ion: 65 Resp: 357241

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

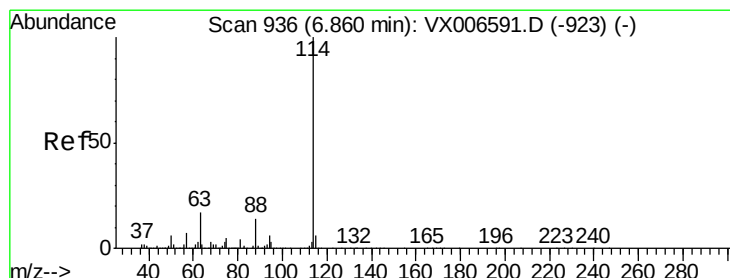
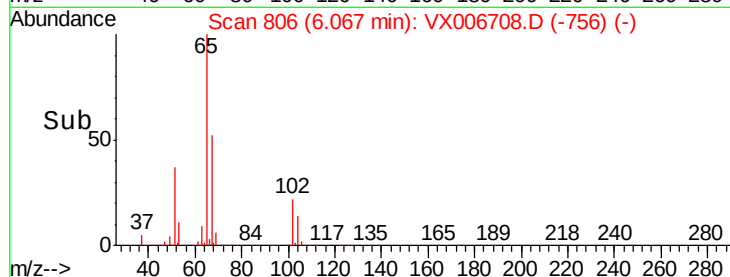
100000

50000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

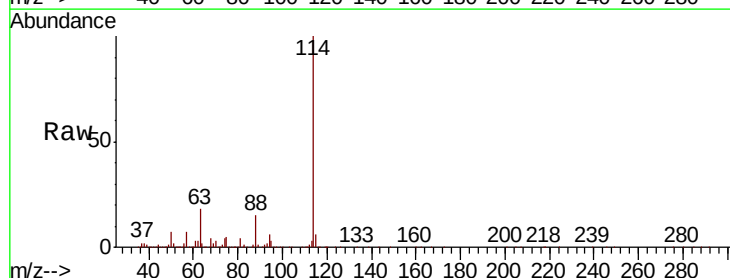
Tgt Ion: 114 Resp: 1040720

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

88 15.1 0.0 28.8



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

600000

500000

400000

300000

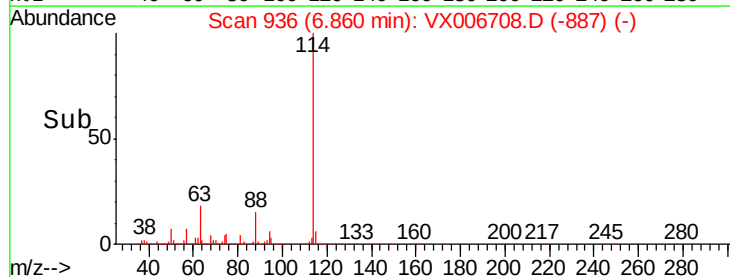
200000

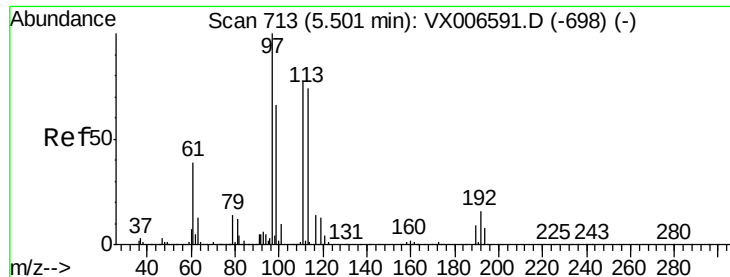
100000

0

6.70 6.80 6.90 7.00

Time-->

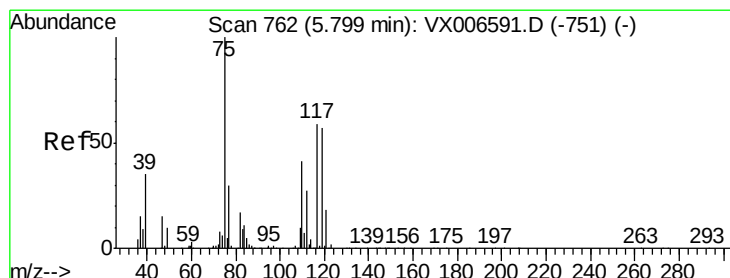
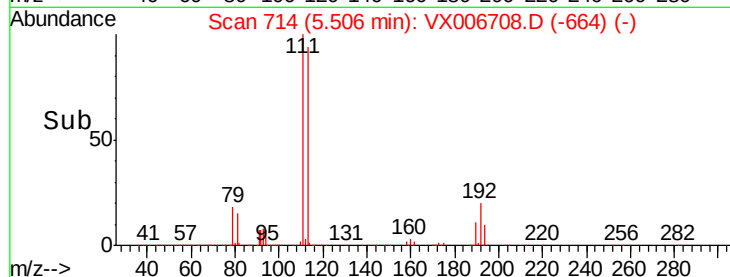
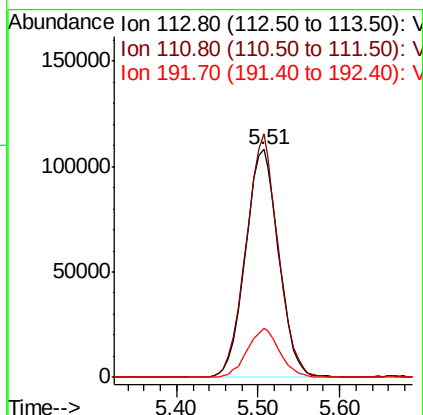
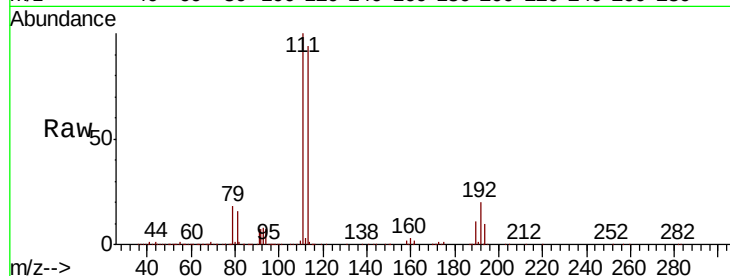




#35
 Dibromofluoromethane
 Concen: 46.606 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006708.D
 Acq: 21 Dec 2018 06:28

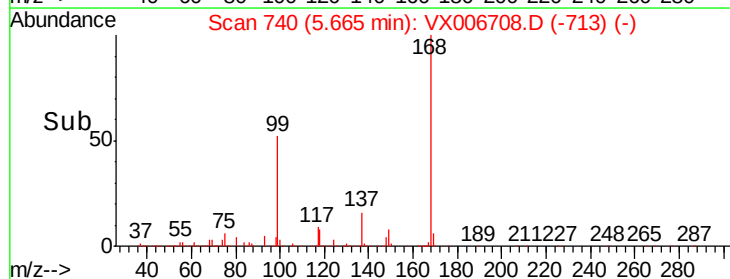
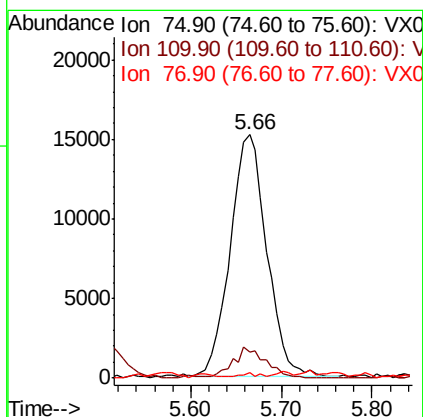
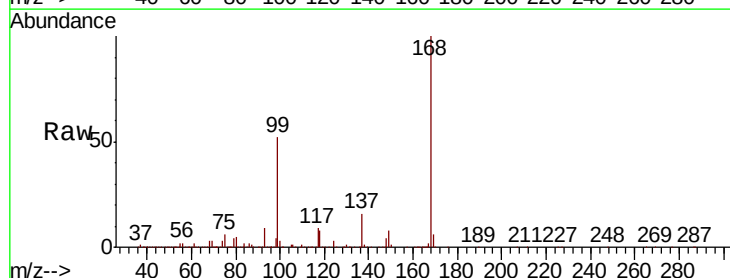
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-121918-01

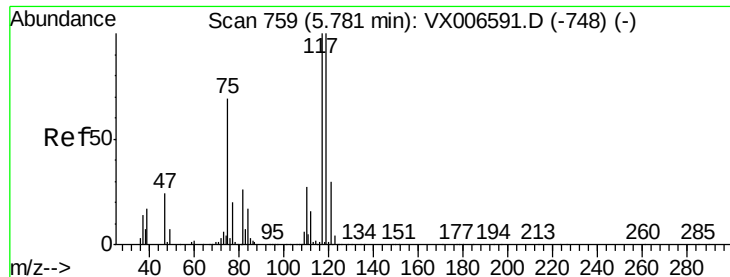
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.6	122.4
192	21.0	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006708.D
 Acq: 21 Dec 2018 06:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	20.2	60.5#
77	0.7	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 7.451 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

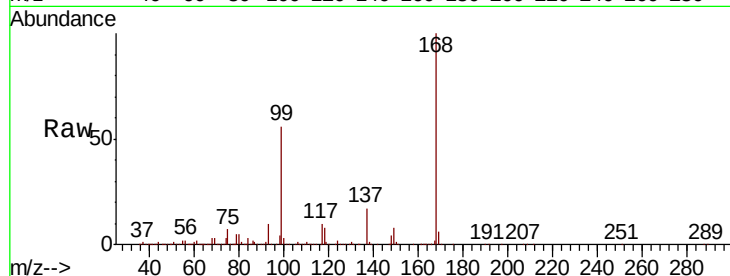
Tot Ion:117 Resp: 62420

Ion Ratio Lower Upper

117 100

119 5.0 79.4 119.2#

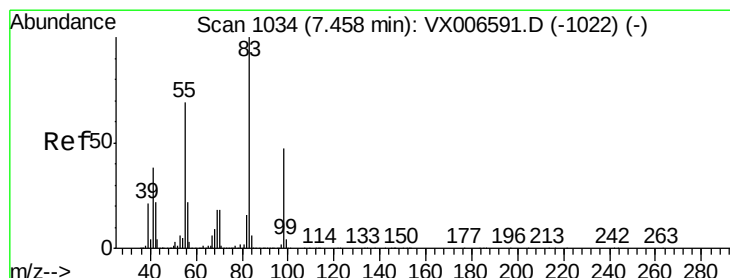
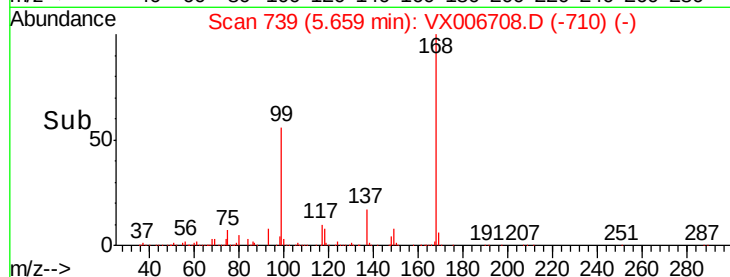
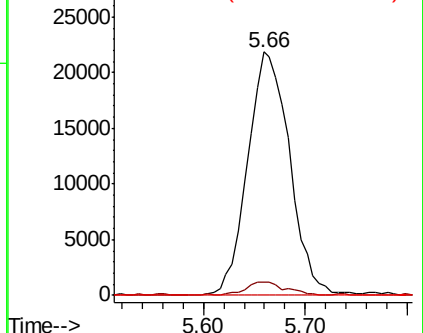
121 0.0 24.0 36.0#



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: 8.491 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

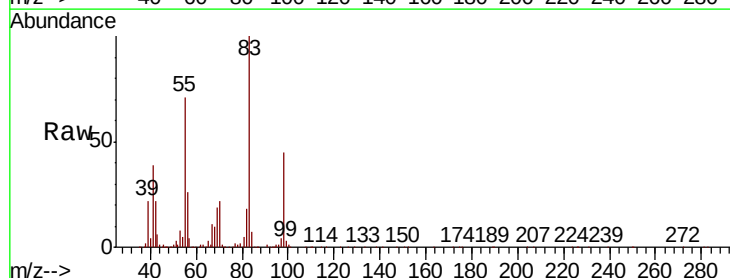
Tgt Ion: 83 Resp: 96350

Ion Ratio Lower Upper

83 100

55 70.8 54.9 82.3

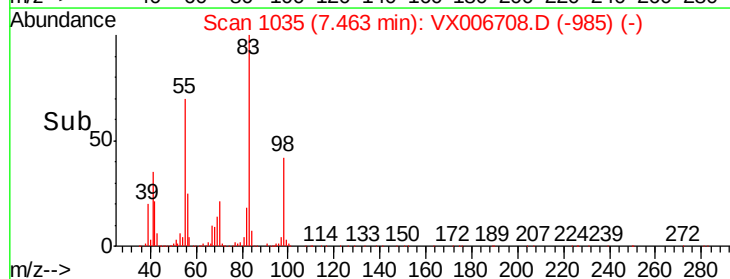
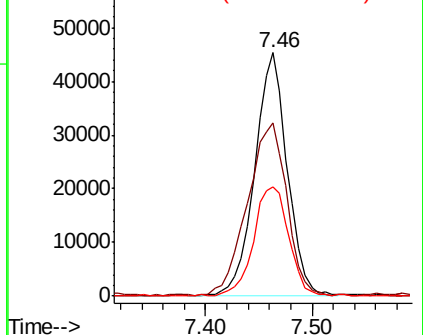
98 44.9 37.9 56.9

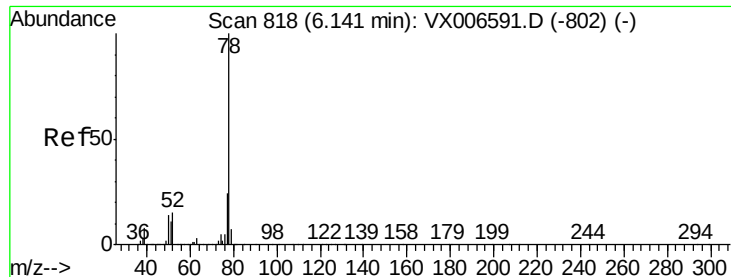


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.341 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

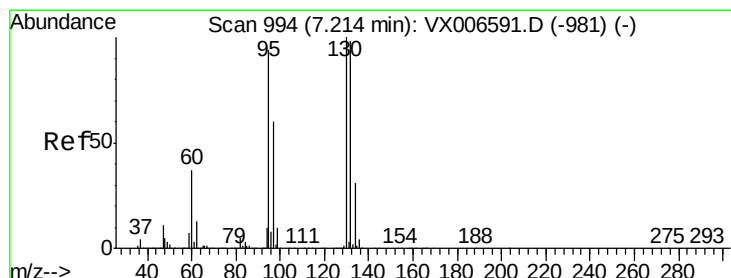
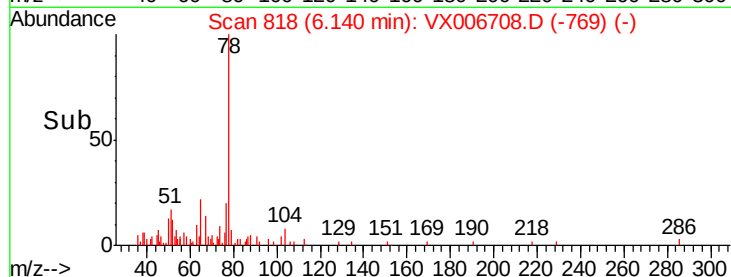
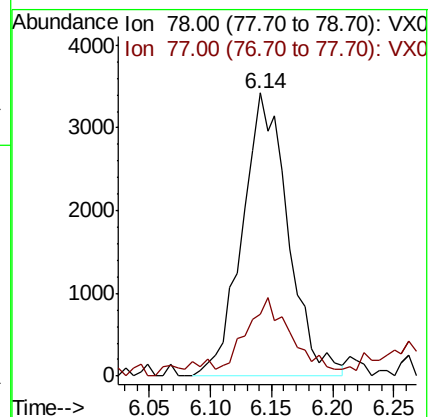
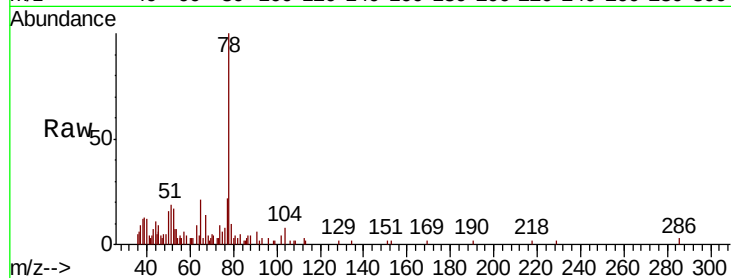
DUP-121918-01

Tot Ion: 78 Resp: 8935

Ion Ratio Lower Upper

78 100

77 19.8 19.2 28.8



#44

Trichloroethene

Concen: 0.331 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006708.D

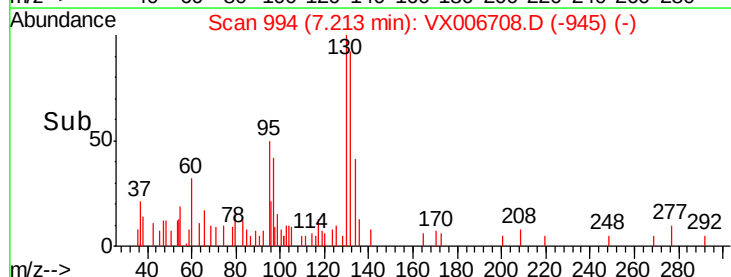
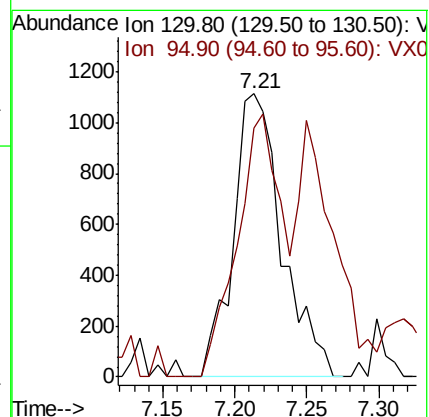
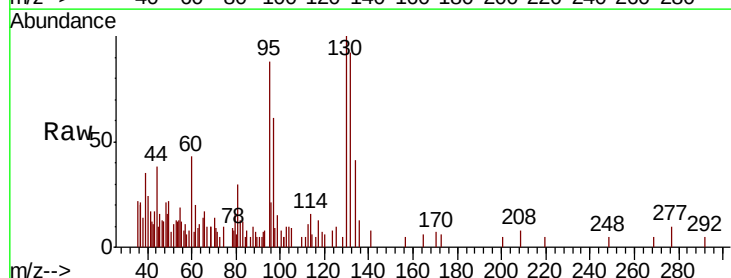
Acq: 21 Dec 2018 06:28

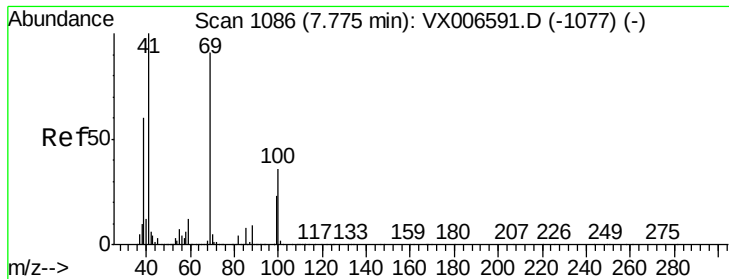
Tgt Ion: 130 Resp: 2624

Ion Ratio Lower Upper

130 100

95 88.1 0.0 187.0





#48

Methvl methacrylate

Concen: 1.297 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

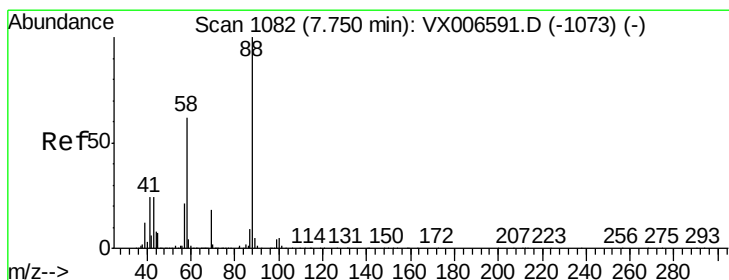
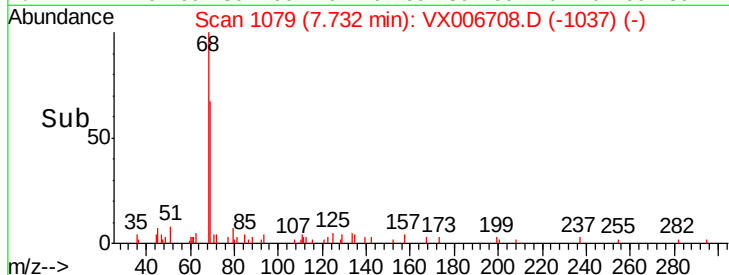
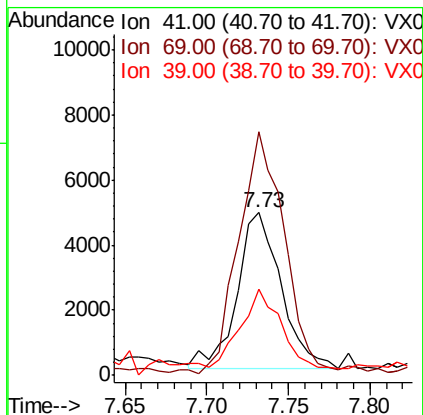
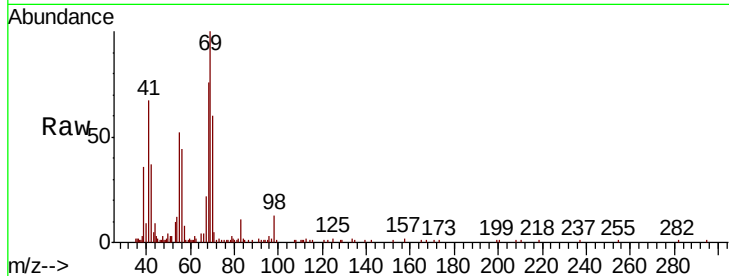
Tot Ion: 41 Resp: 9000

Ion Ratio Lower Upper

41 100

69 158.2 72.4 108.6#

39 46.7 45.8 68.8



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

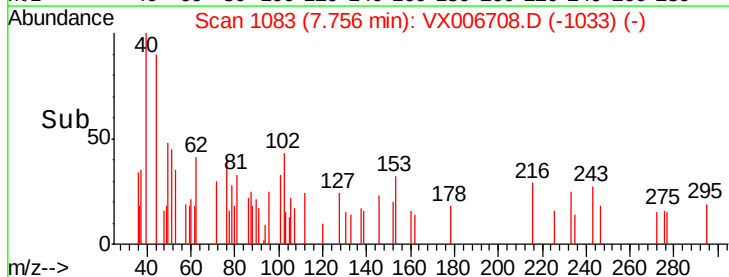
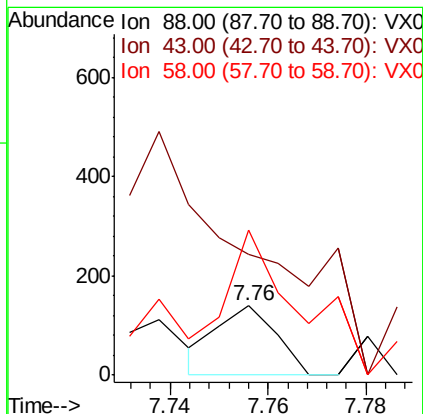
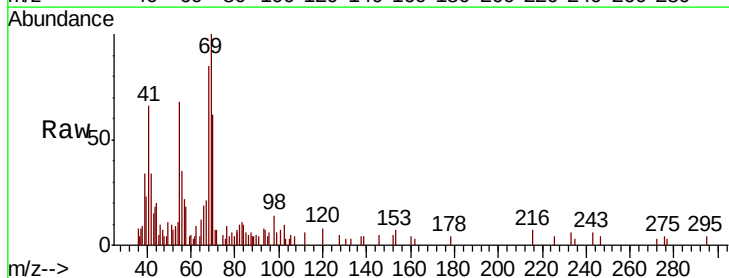
Tgt Ion: 88 Resp: 116

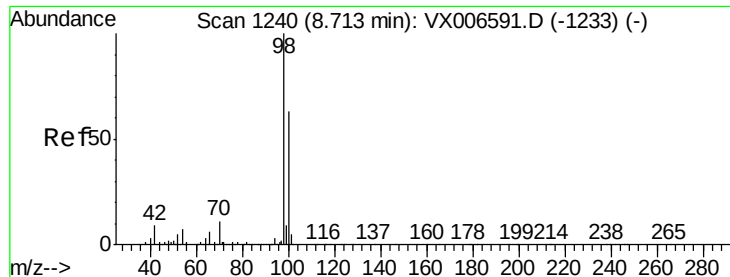
Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 262.9 51.0 76.4#





#50

Toluene-d8

Concen: 49.762 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

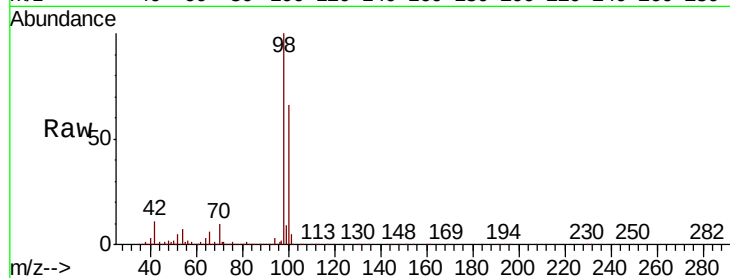
DUP-121918-01

Tot Ion: 98 Resp: 1234692

Ion Ratio Lower Upper

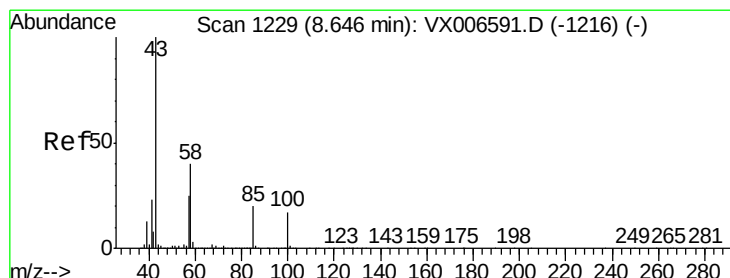
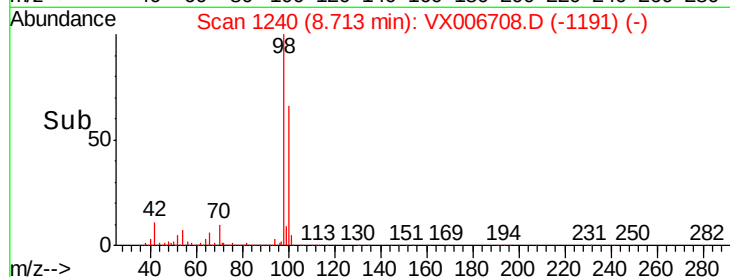
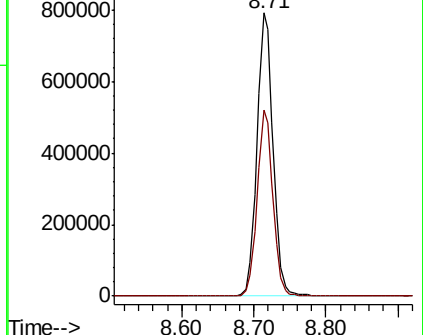
98 100

100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.419 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX006708.D

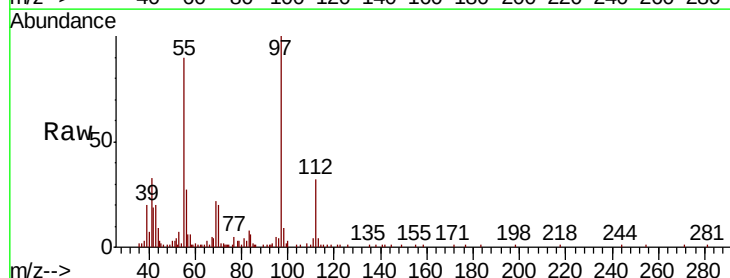
Acq: 21 Dec 2018 06:28

Tgt Ion: 43 Resp: 3638

Ion Ratio Lower Upper

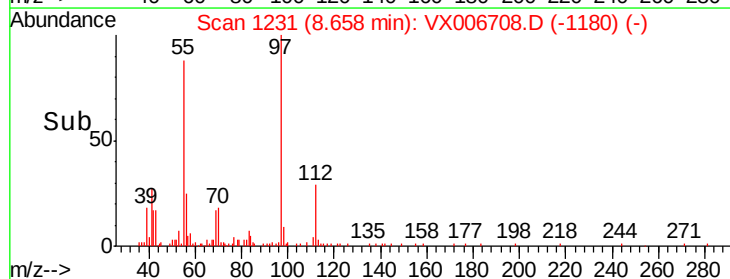
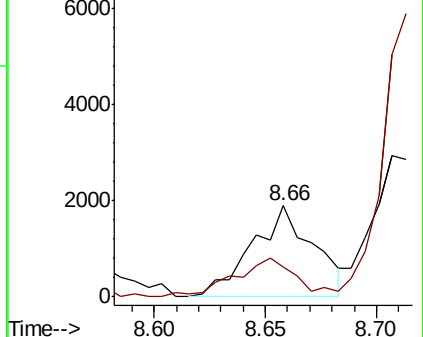
43 100

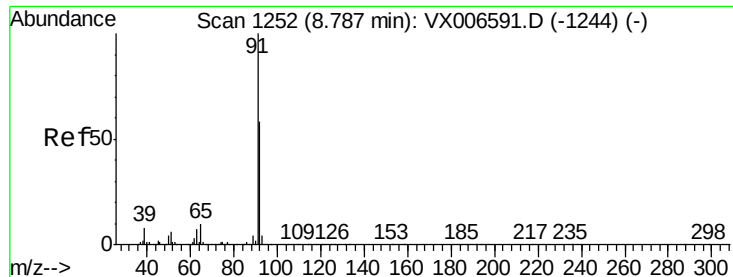
58 43.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.332 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

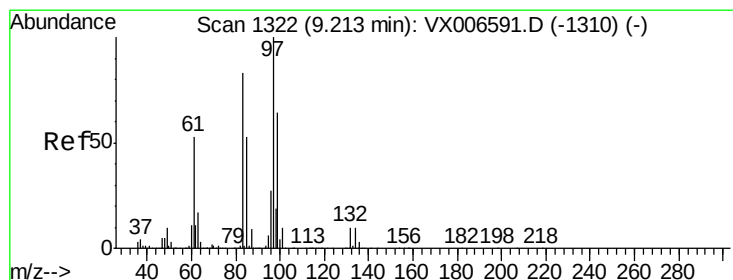
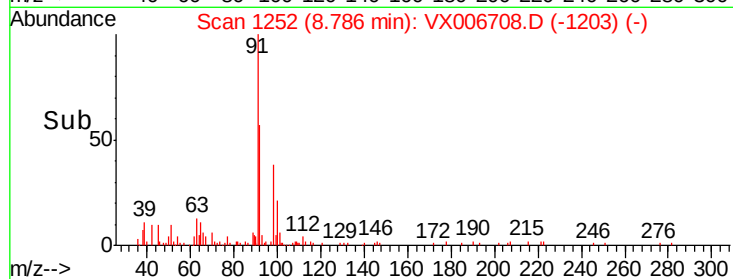
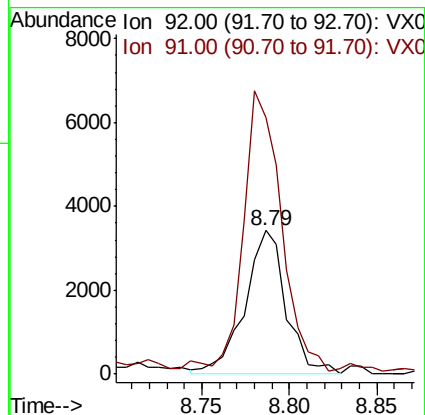
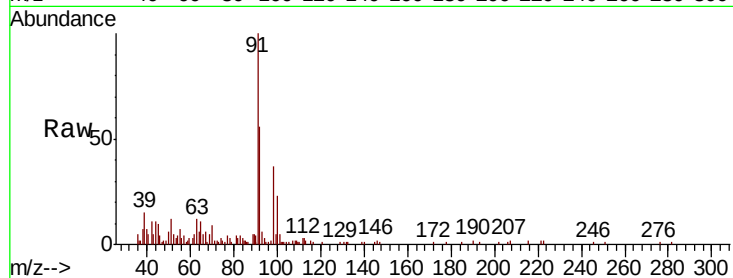
DUP-121918-01

Tot Ion: 92 Resp: 5628

Ion Ratio Lower Upper

92 100

91 175.2 137.6 206.4



#55

1,1,2-Trichloroethane

Concen: 2.102 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Tgt Ion: 97 Resp: 14564

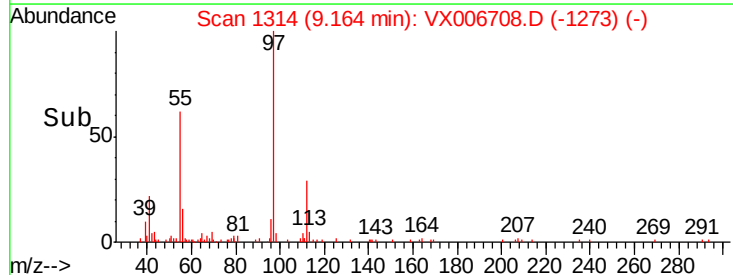
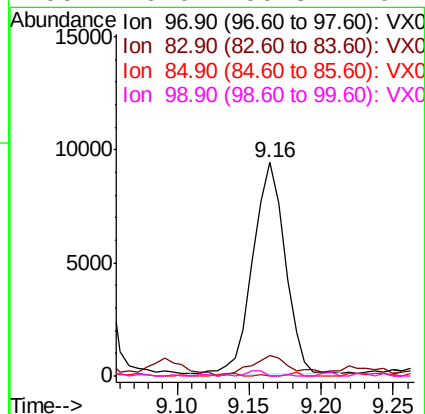
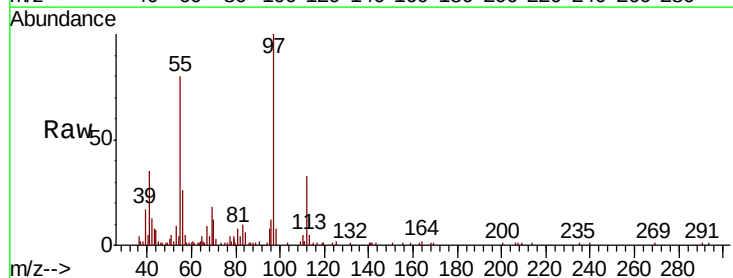
Ion Ratio Lower Upper

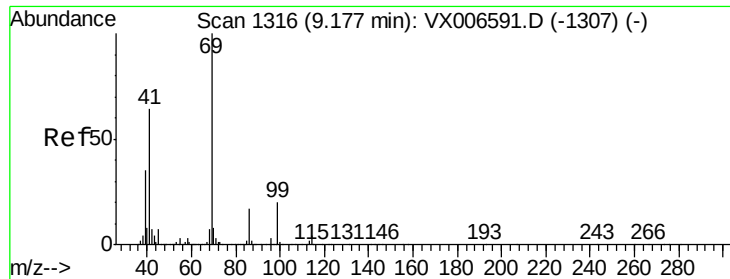
97 100

83 7.4 66.6 99.8#

85 0.0 42.7 64.1#

99 0.0 50.8 76.2#





#56

Ethyl methacrylate

Concen: 0.309 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

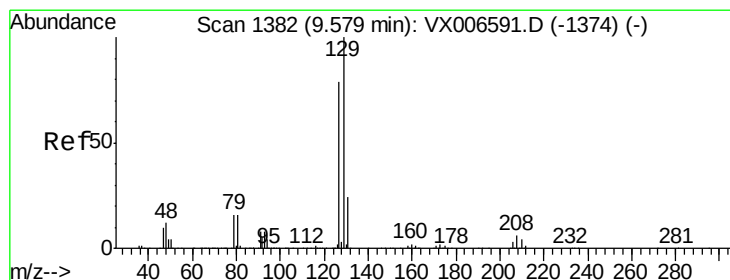
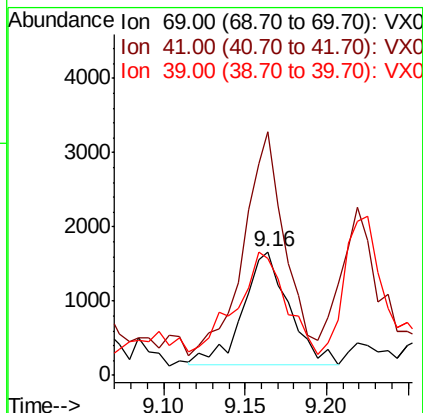
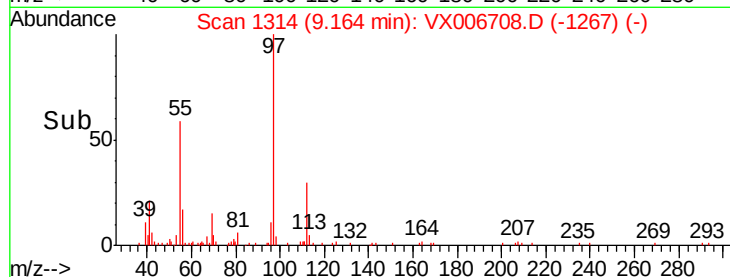
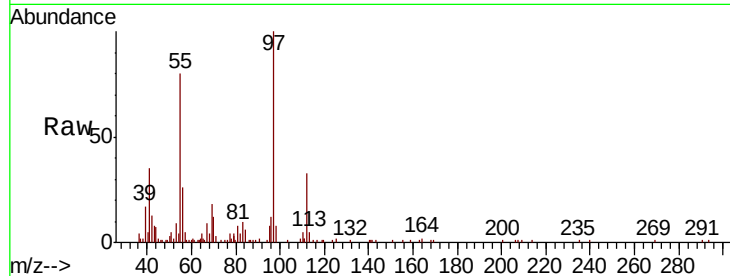
Tot Ion: 69 Resp: 3024

Ion Ratio Lower Upper

69 100

41 177.1 48.7 73.1#

39 94.5 27.0 40.6#



#60

Dibromochloromethane

Concen: 2.331 ug/l

RT: 9.59 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VX006708.D

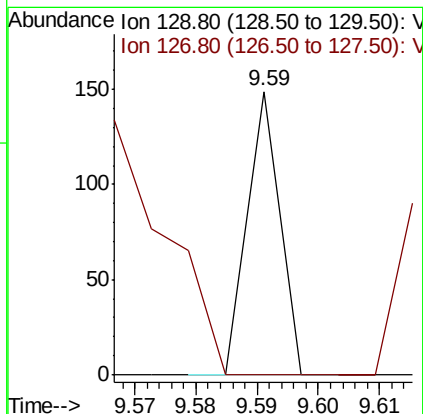
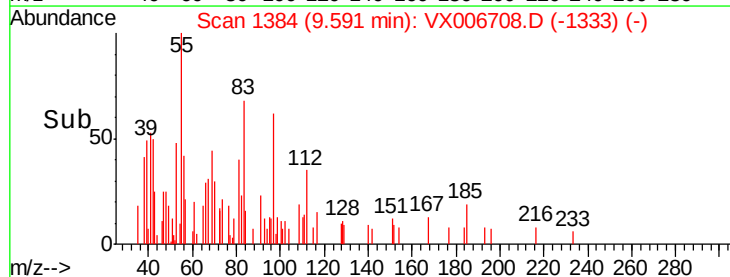
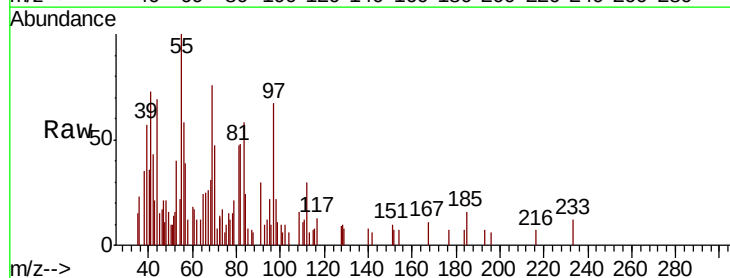
Acq: 21 Dec 2018 06:28

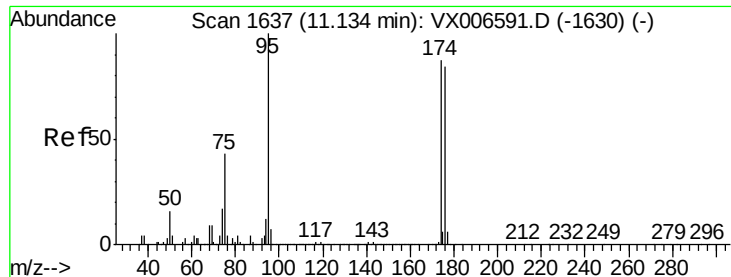
Tgt Ion: 129 Resp: 54

Ion Ratio Lower Upper

129 100

127 0.0 39.3 117.8#





#62

4-Bromofluorobenzene

Concen: 49.436 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

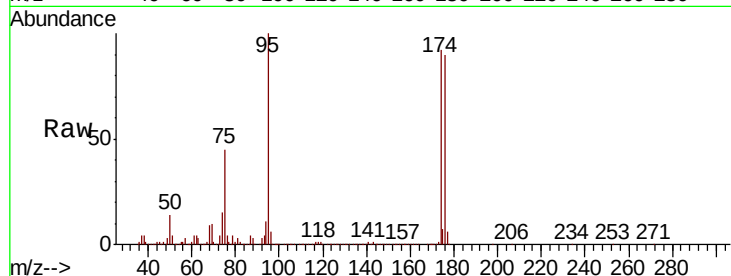
Tot Ion: 95 Resp: 449228

Ion Ratio Lower Upper

95 100

174 87.4 0.0 182.2

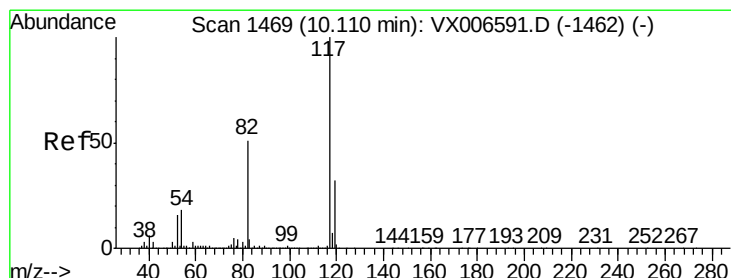
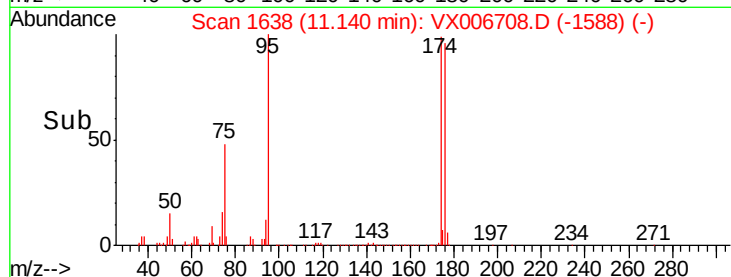
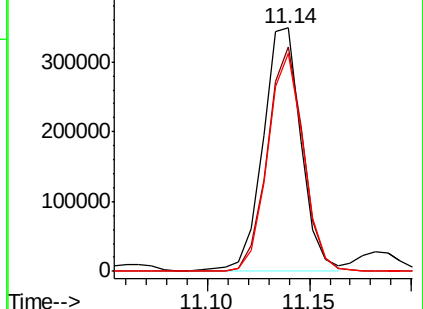
176 85.2 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006591.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX006591.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX006591.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

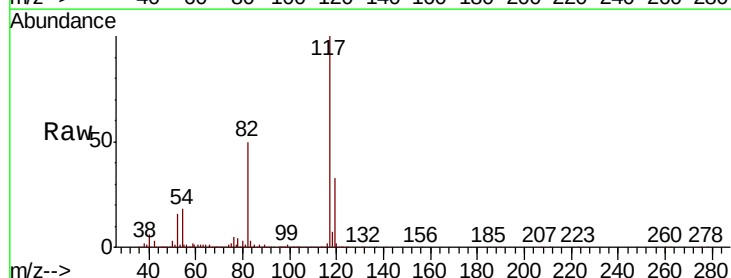
Tgt Ion: 117 Resp: 949081

Ion Ratio Lower Upper

117 100

82 50.1 41.0 61.6

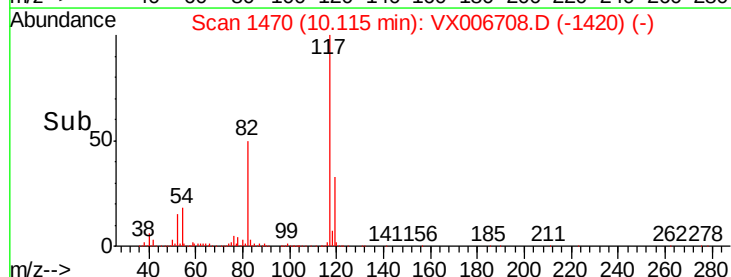
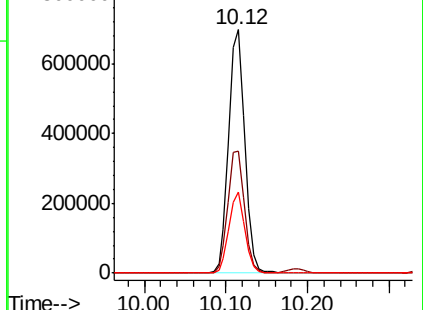
119 33.1 25.4 38.0

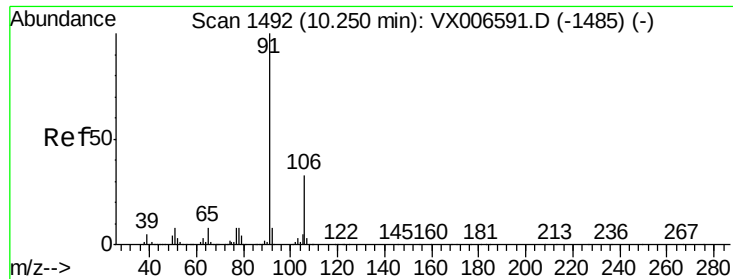


Abundance Ion 116.90 (116.60 to 117.60): VX006591.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006591.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006591.D (-1462) (-)

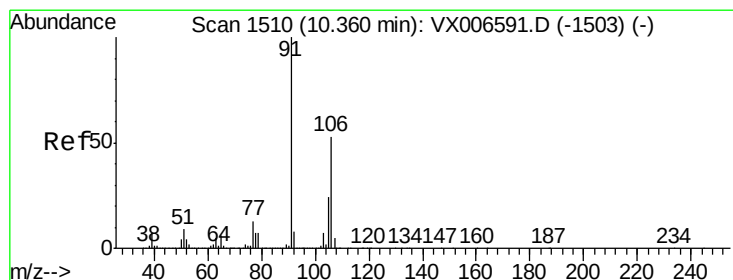
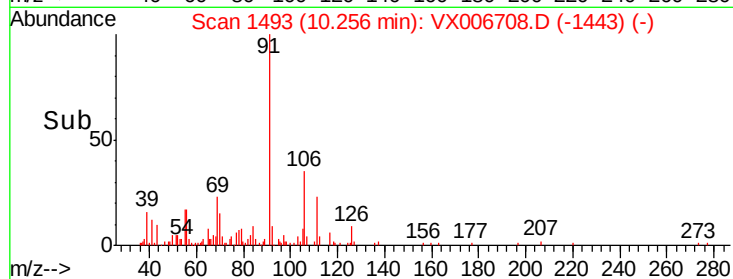
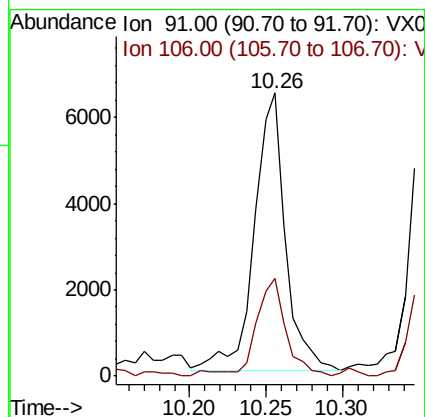
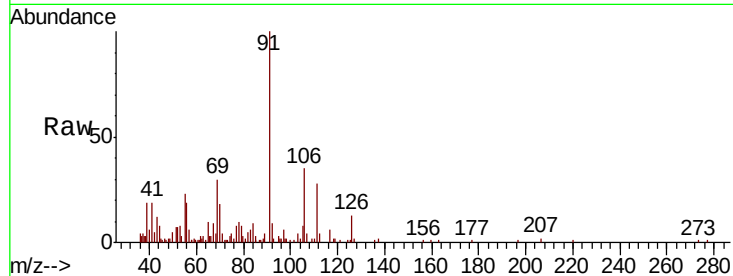




#67
Ethyl Benzene
Concen: 0.277 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

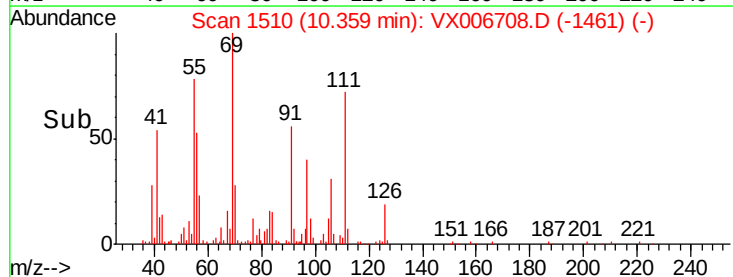
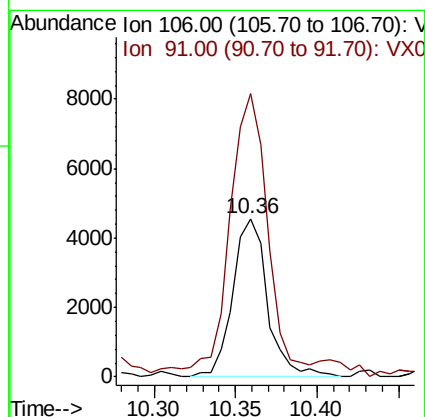
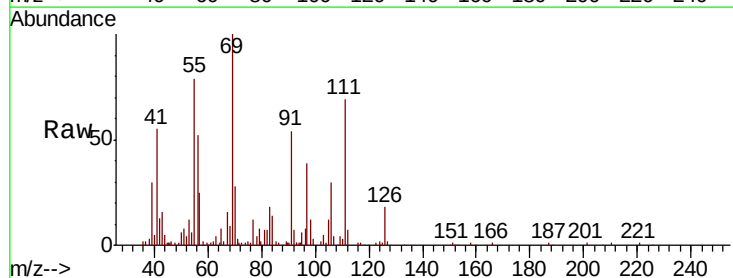
Instrument :
MSVOA_X
ClientSampleId :
DUP-121918-01

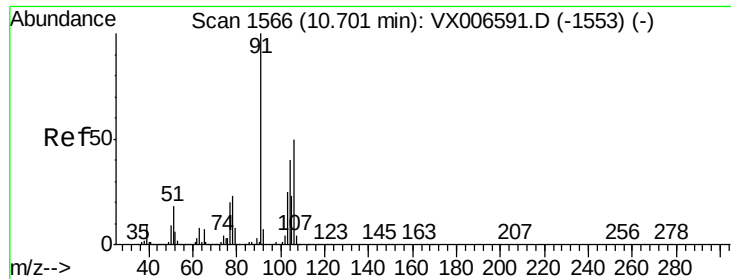
Tot Ion: 91 Resp: 9082
Ion Ratio Lower Upper
91 100
106 35.3 26.4 39.6



#68
m/p-Xylenes
Concen: 0.521 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Tgt Ion: 106 Resp: 6750
Ion Ratio Lower Upper
106 100
91 195.4 155.8 233.6

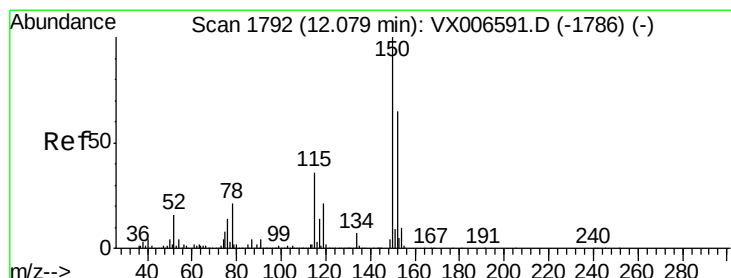
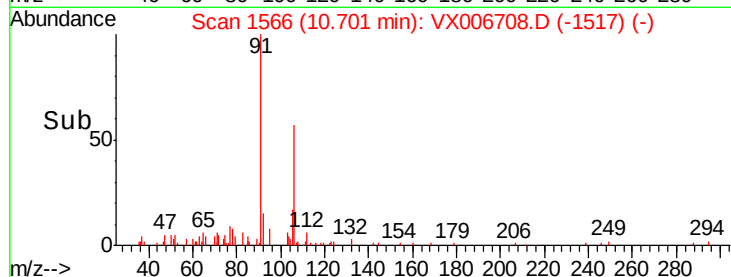
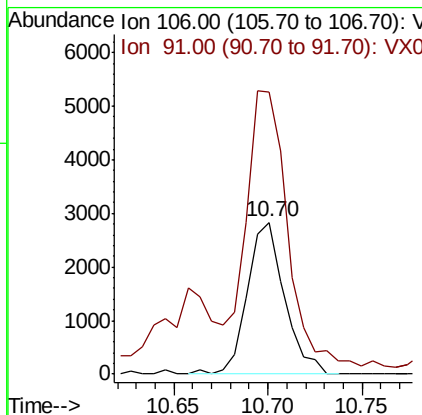
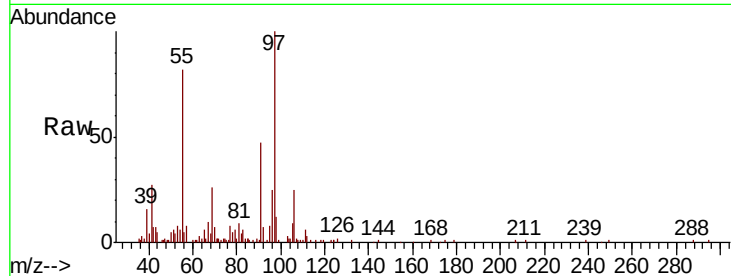




#69
o-Xylene
Concen: 0.302 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

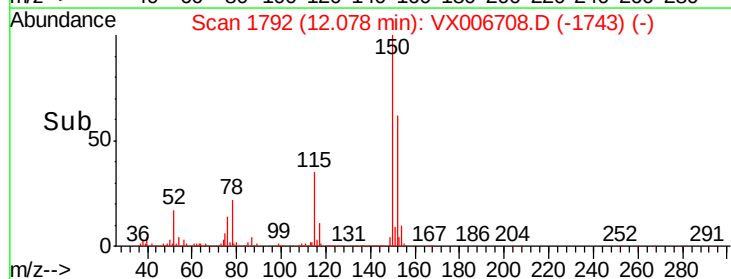
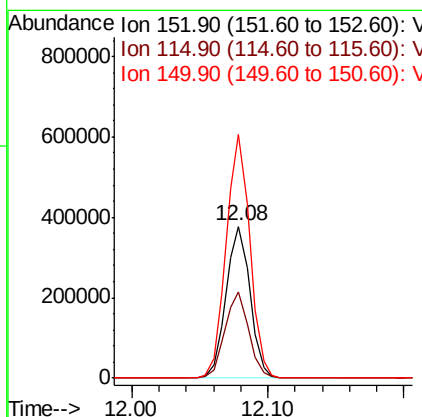
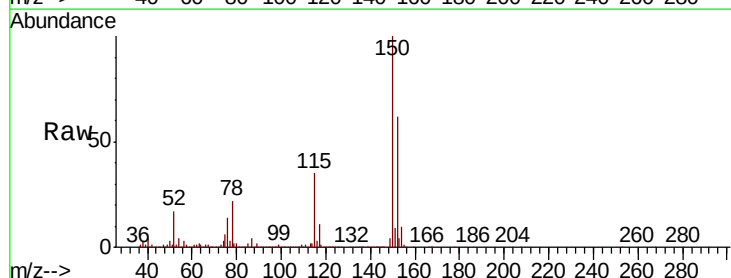
Instrument :
MSVOA_X
ClientSampleId :
DUP-121918-01

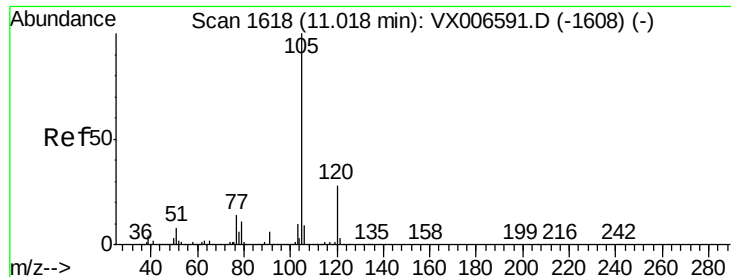
Tot Ion:106 Resp: 3859
Ion Ratio Lower Upper
106 100
91 206.3 101.3 303.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Tgt Ion:152 Resp: 460811
Ion Ratio Lower Upper
152 100
115 56.2 39.1 117.2
150 158.9 0.0 344.8





#73

Isopropylbenzene

Concen: 18.656 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

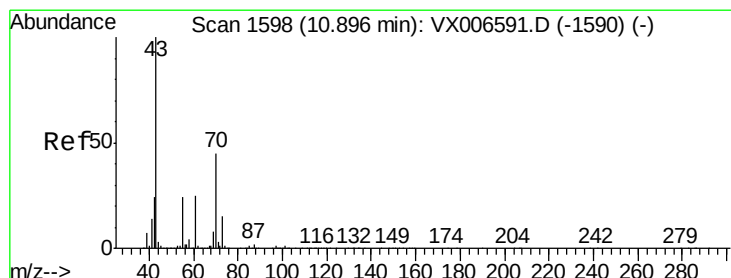
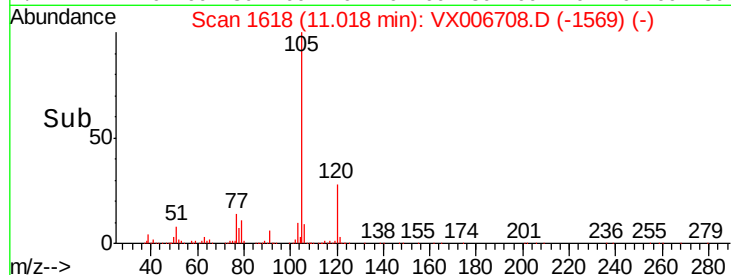
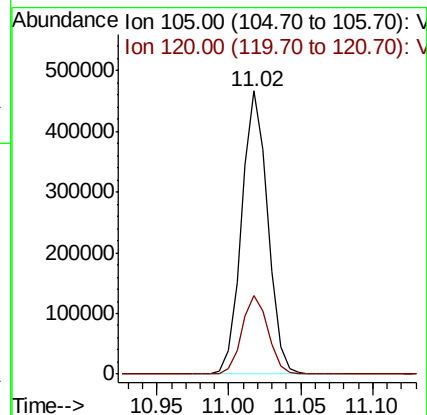
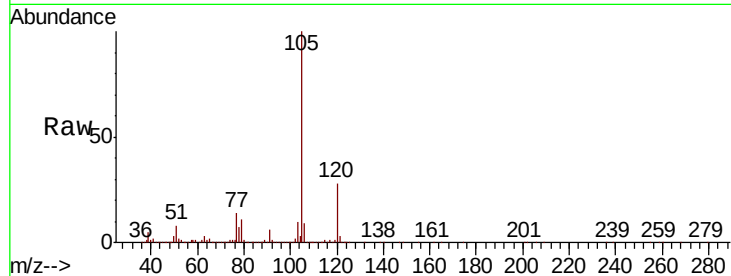
DUP-121918-01

Tot Ion:105 Resp: 588128

Ion Ratio Lower Upper

105 100

120 27.8 14.1 42.4



#74

N-ethyl acetate

Concen: 0.751 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Tgt Ion: 43 Resp: 8479

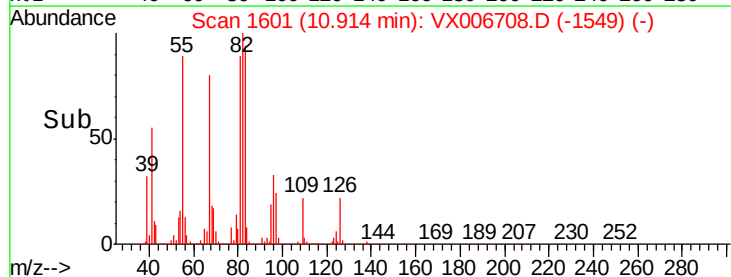
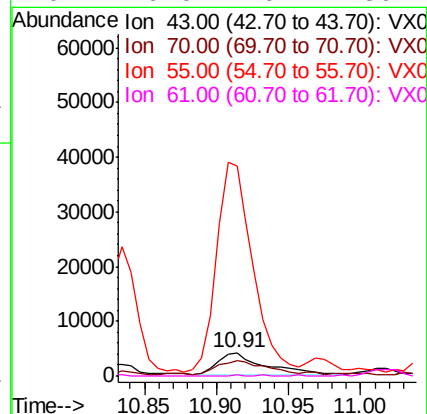
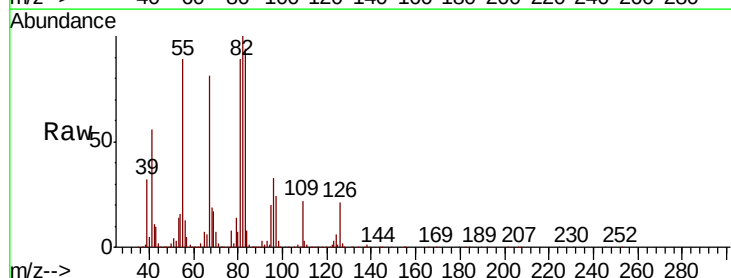
Ion Ratio Lower Upper

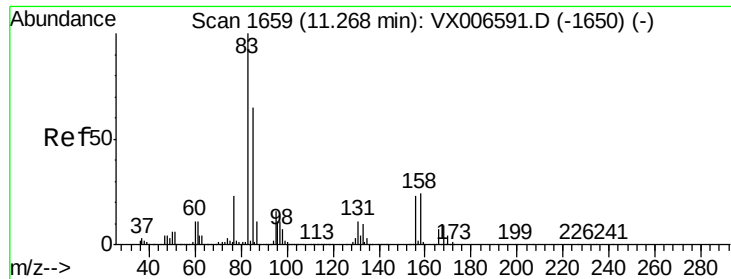
43 100

70 69.9 35.8 53.8#

55 784.6 19.4 29.0#

61 0.0 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.133 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

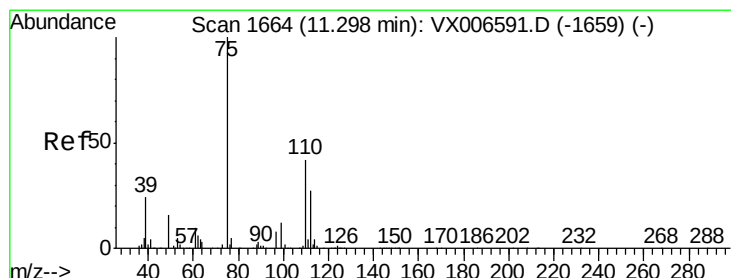
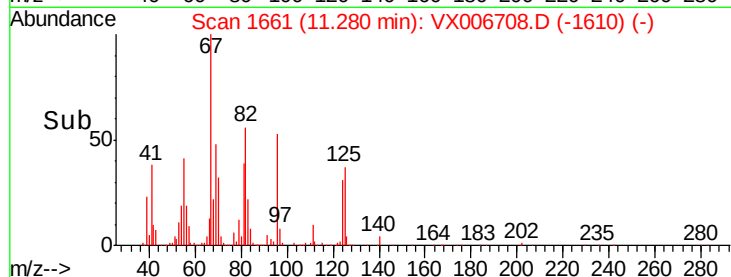
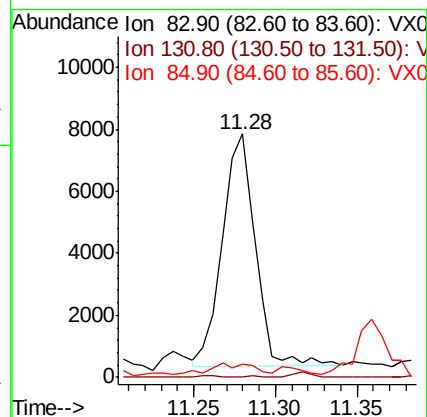
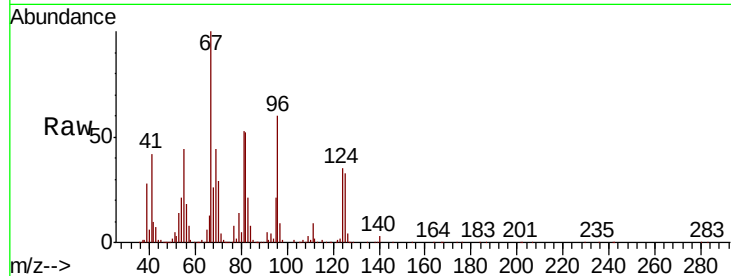
Tot Ion: 83 Resp: 10623

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

85 6.5 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 1.313 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.06 min

Lab File: VX006708.D

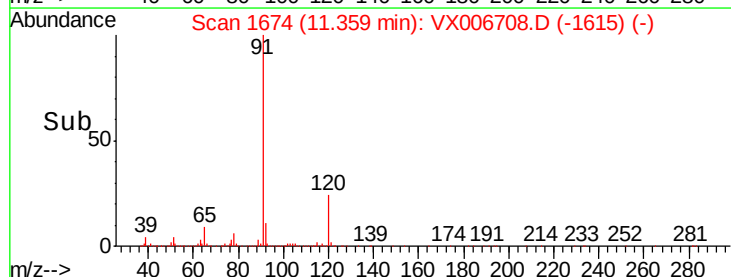
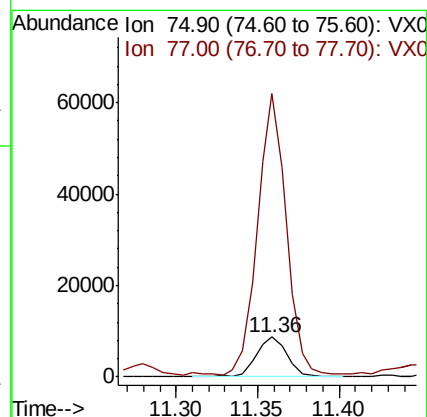
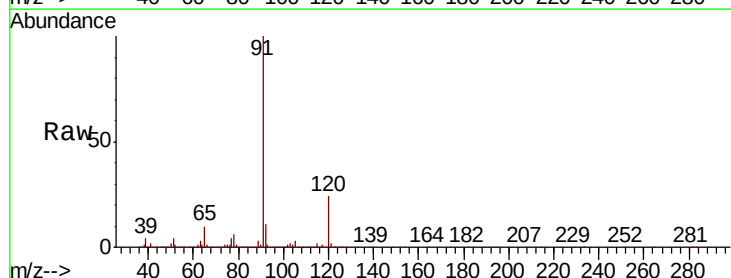
Acq: 21 Dec 2018 06:28

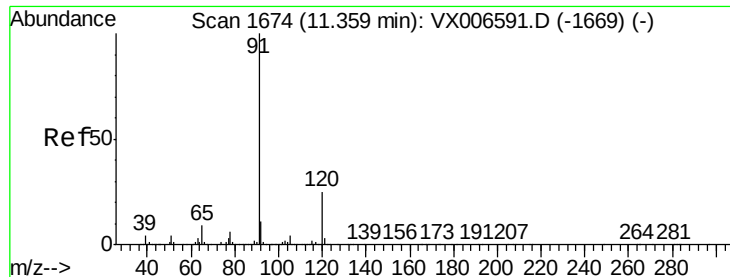
Tgt Ion: 75 Resp: 11248

Ion Ratio Lower Upper

75 100

77 669.1 18.5 55.5#





#78

n-propylbenzene

Concen: 58.021 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

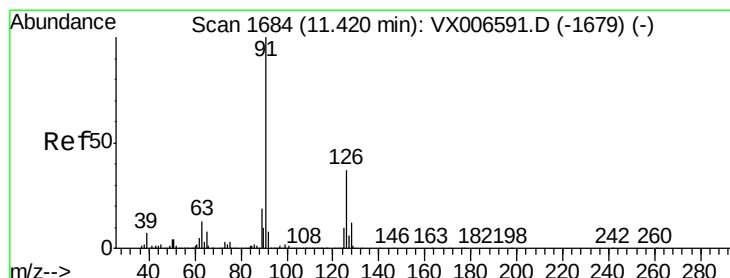
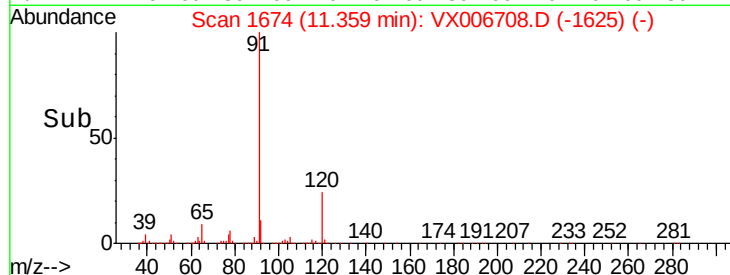
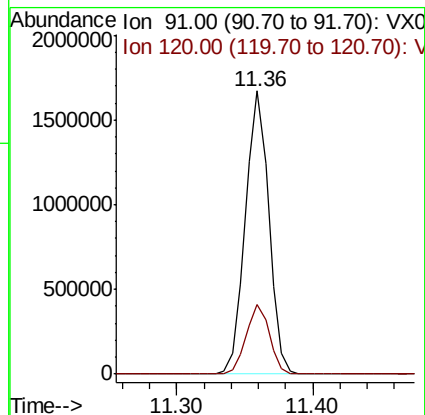
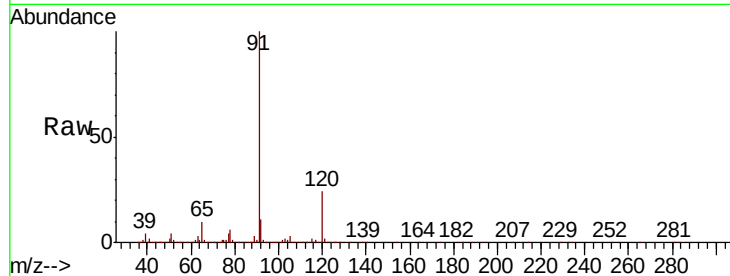
DUP-121918-01

Tot Ion: 91 Resp: 2014224

Ion Ratio Lower Upper

91 100

120 24.6 12.7 38.0



#79

2-Chlorotoluene

Concen: 95.743 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX006708.D

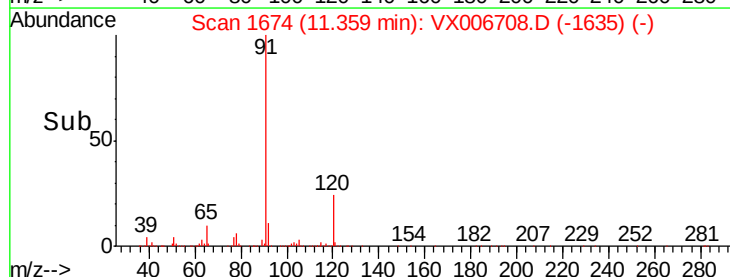
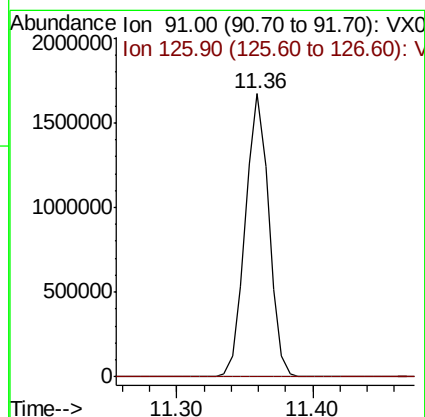
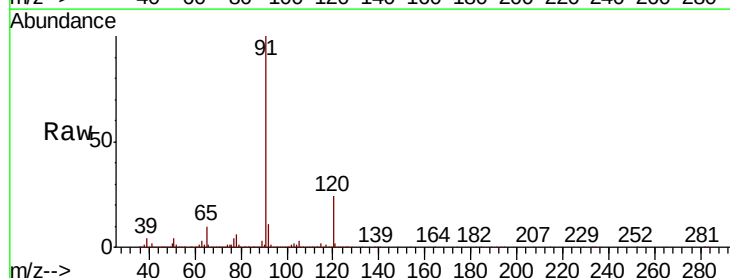
Acq: 21 Dec 2018 06:28

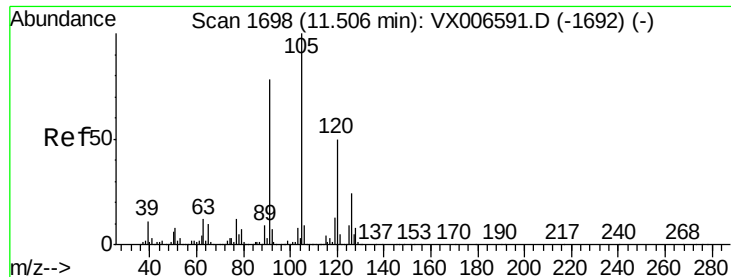
Tgt Ion: 91 Resp: 2014224

Ion Ratio Lower Upper

91 100

126 0.0 18.6 56.0#

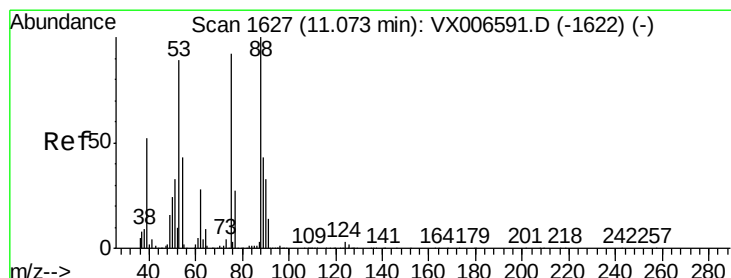
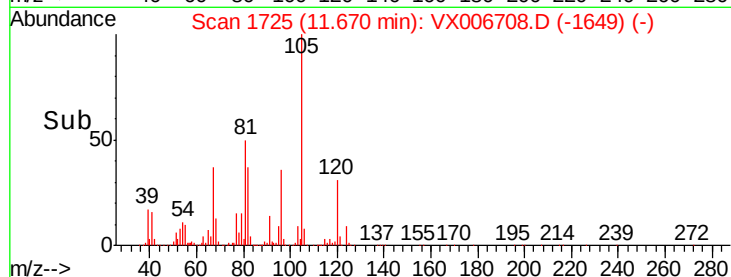
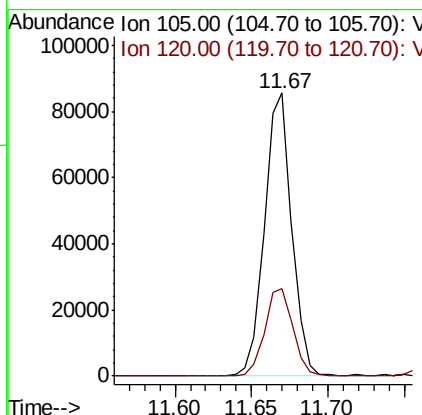
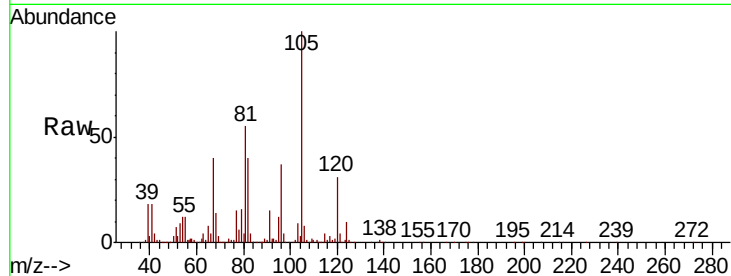




#80
 1,3,5-Trimethylbenzene
 Concen: 4.111 ug/l
 RT: 11.67 min Scan# 1725
 Delta R.T. 0.16 min
 Lab File: VX006708.D
 Acq: 21 Dec 2018 06:28

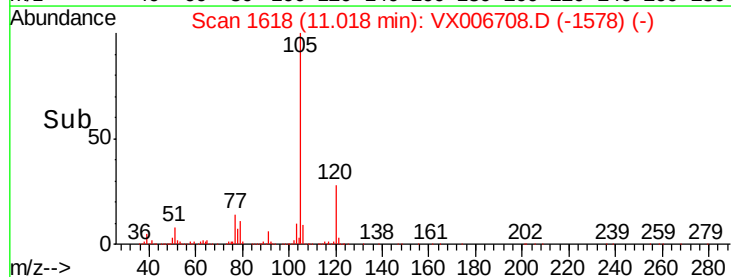
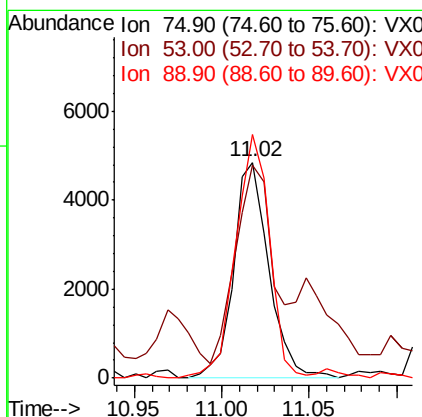
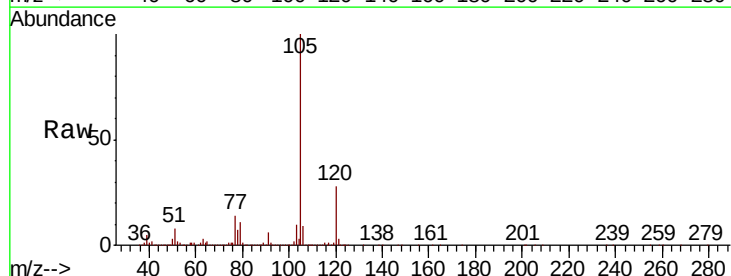
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-121918-01

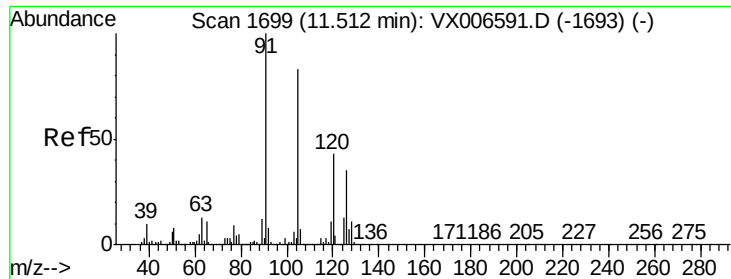
Tot Ion:105 Resp: 106735
 Ion Ratio Lower Upper
 105 100
 120 32.0 25.1 75.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 6.445 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.05 min
 Lab File: VX006708.D
 Acq: 21 Dec 2018 06:28

Tgt Ion: 75 Resp: 6803
 Ion Ratio Lower Upper
 75 100
 53 95.3 79.7 119.5
 89 108.7 38.0 57.0#





#82

4-Chlorotoluene

Concen: 83.467 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

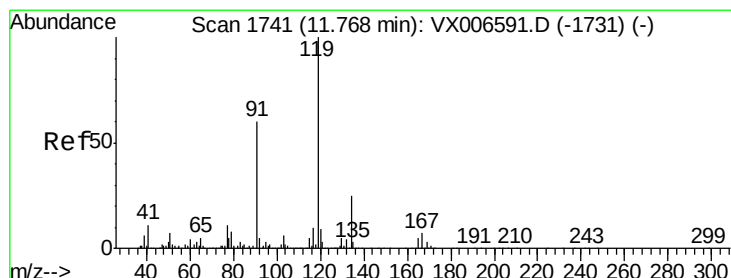
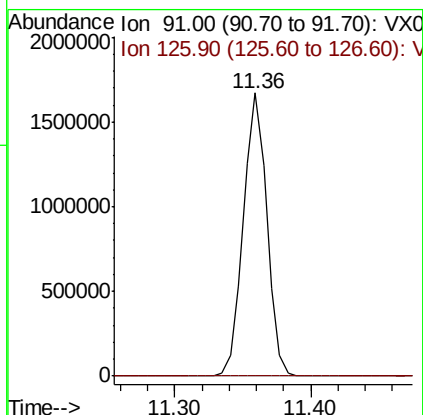
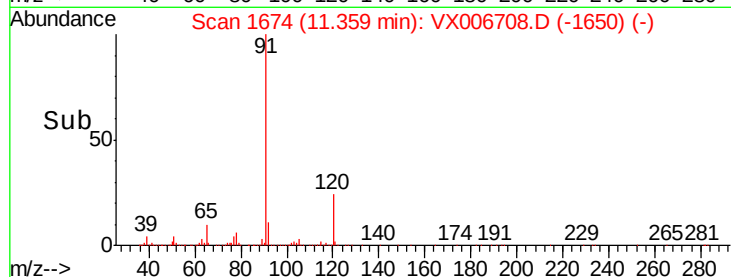
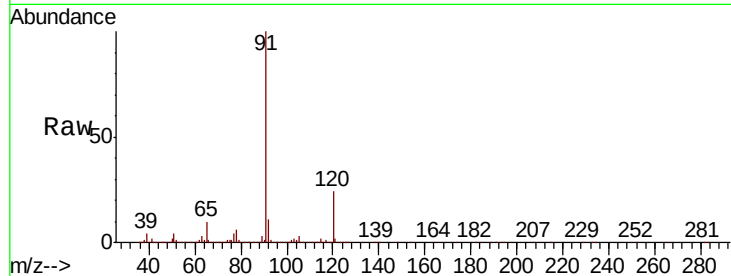
DUP-121918-01

Tot Ion: 91 Resp: 2014224

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.9#



#83

tert-Butylbenzene

Concen: 3.016 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

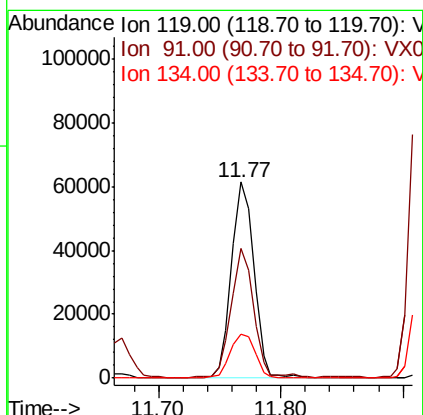
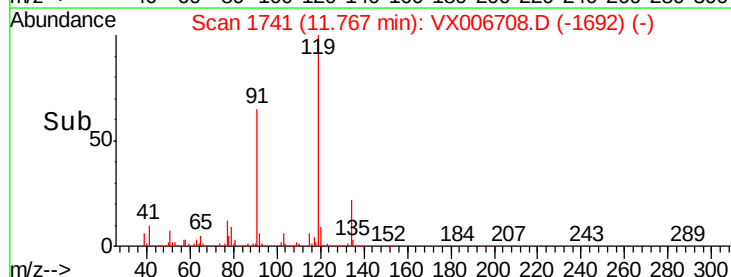
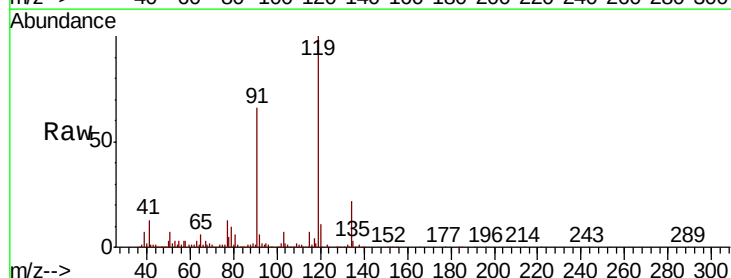
Tgt Ion: 119 Resp: 78382

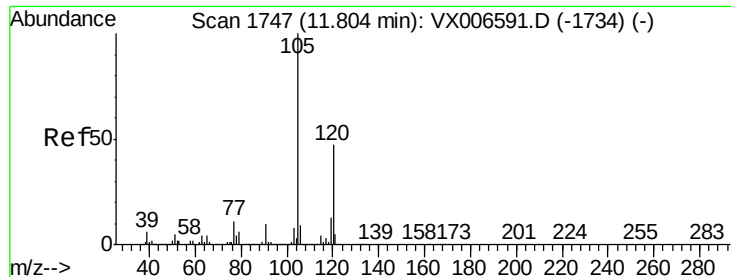
Ion Ratio Lower Upper

119 100

91 65.3 27.7 83.1

134 24.8 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 3.908 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. -0.13 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

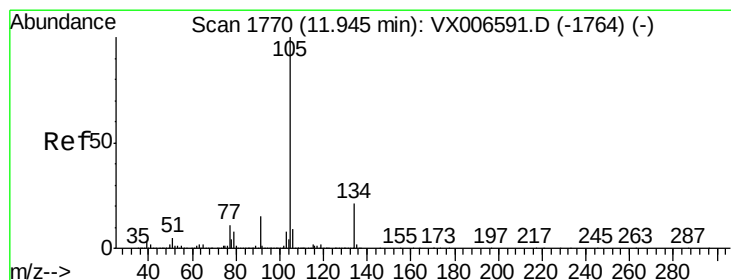
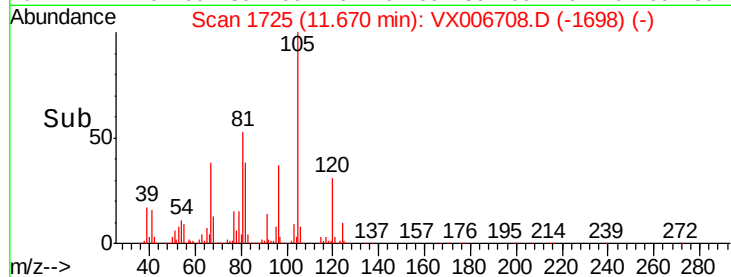
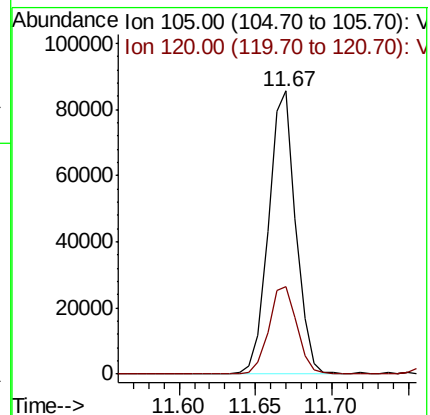
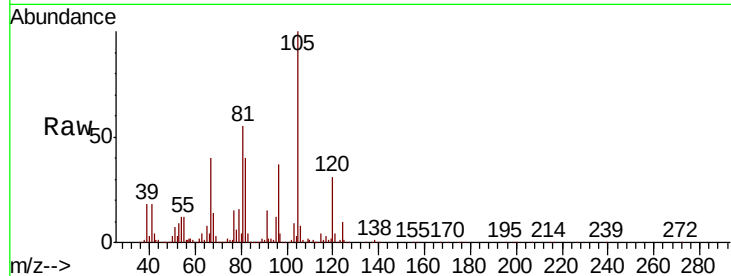
DUP-121918-01

Tot Ion:105 Resp: 106735

Ion Ratio Lower Upper

105 100

120 32.0 23.2 69.6



#85

sec-Butylbenzene

Concen: 20.162 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006708.D

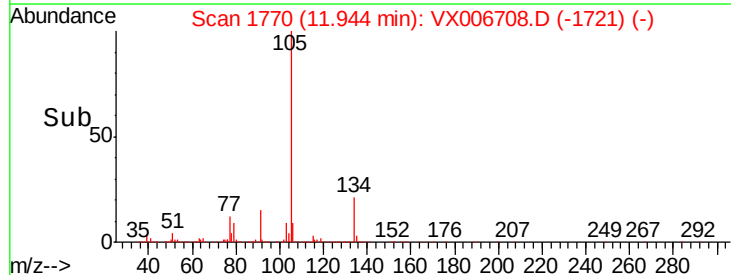
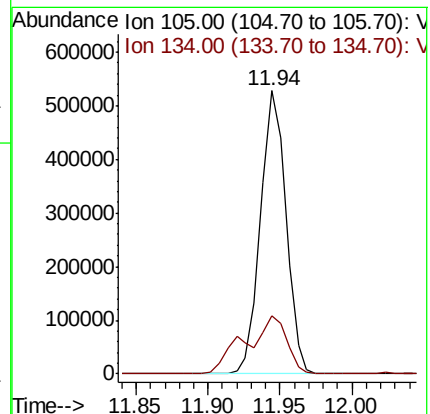
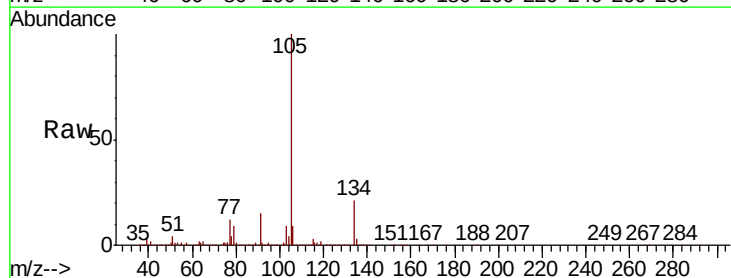
Acq: 21 Dec 2018 06:28

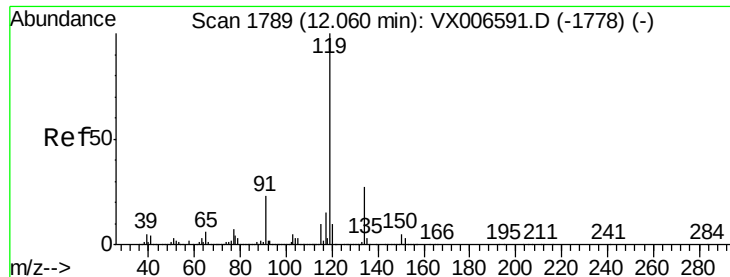
Tgt Ion:105 Resp: 642426

Ion Ratio Lower Upper

105 100

134 19.7 10.7 31.9

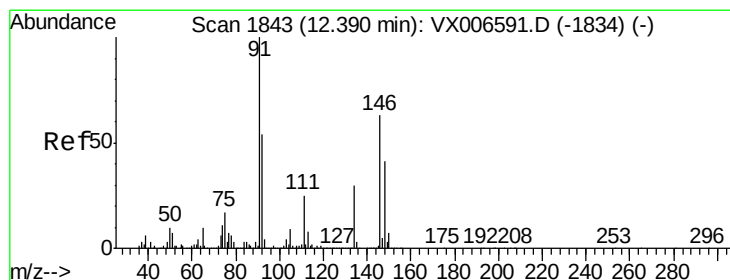
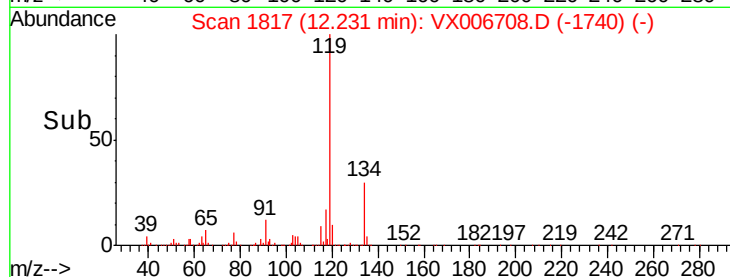
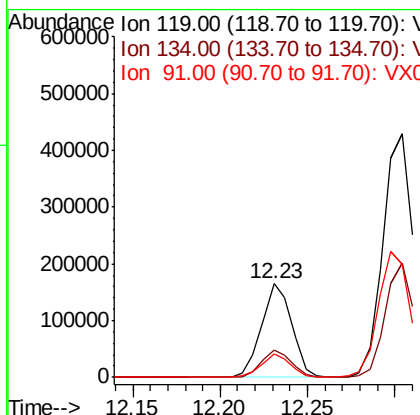
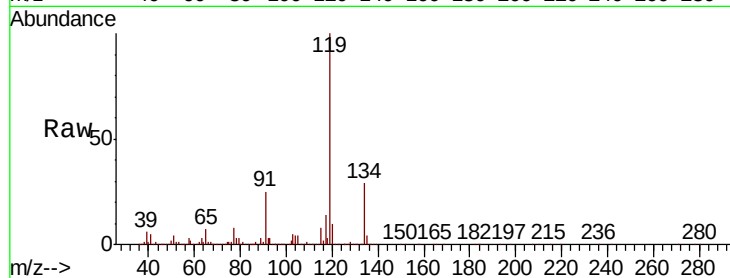




#86
p-Isopropyltoluene
Concen: 7.096 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.17 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

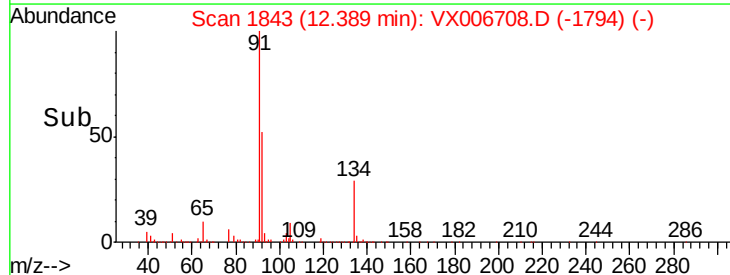
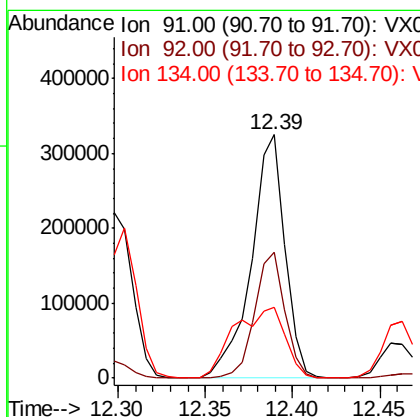
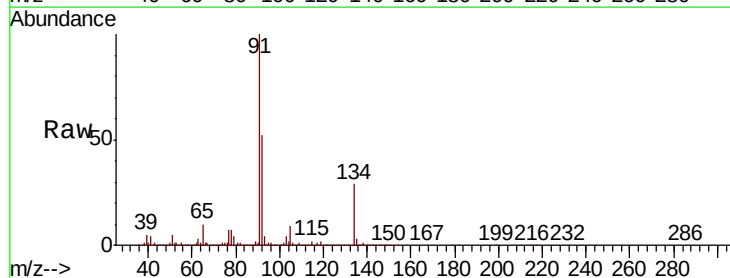
Instrument :
MSVOA_X
ClientSampleId :
DUP-121918-01

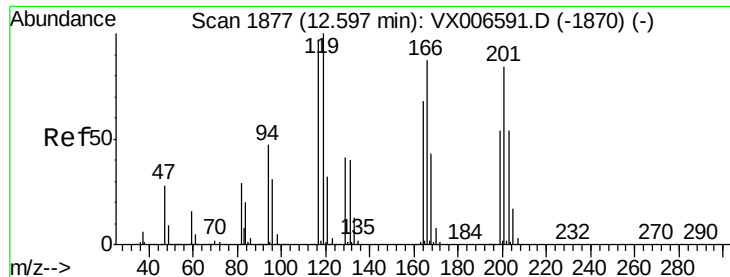
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.8	14.0	41.9
91	24.1	11.3	33.9



#89
n-Butylbenzene
Concen: 18.226 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.4	26.8	80.4
134	44.5	14.4	43.2





#90

Hexachloroethane

Concen: 19.298 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

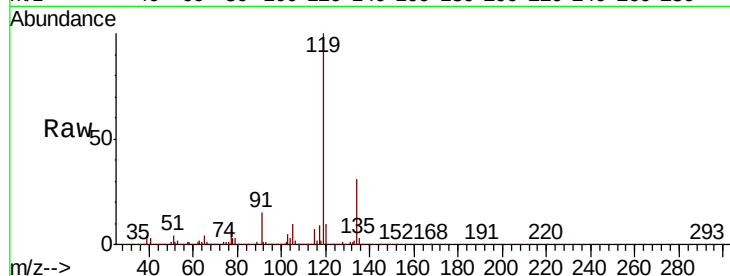
DUP-121918-01

Tot Ion:117 Resp: 75102

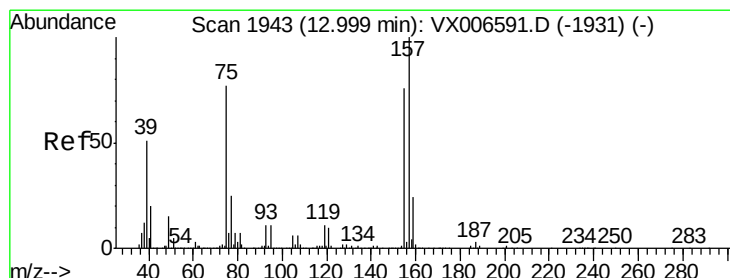
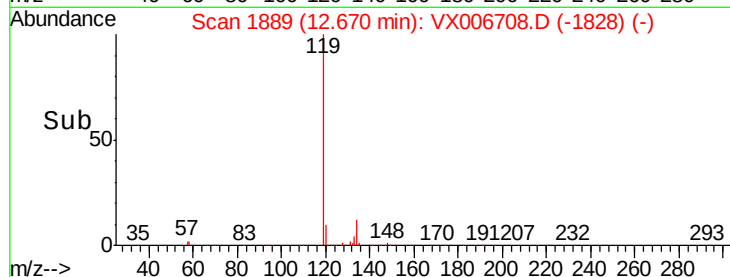
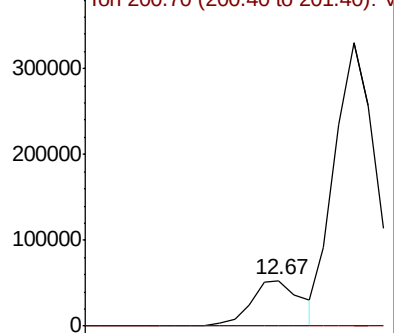
Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.302 ug/l

RT: 13.03 min Scan# 1948

Delta R.T. 0.03 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

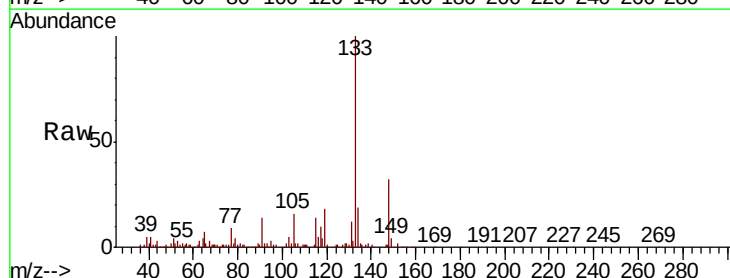
Tgt Ion: 75 Resp: 585

Ion Ratio Lower Upper

75 100

155 3.9 50.6 151.8#

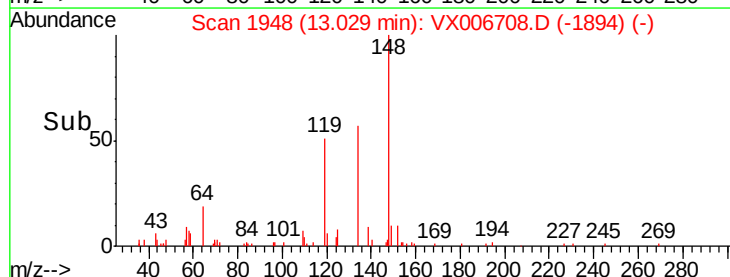
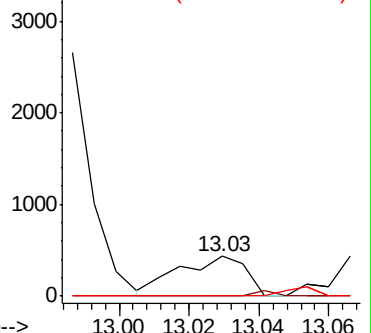
157 0.0 64.6 193.8#

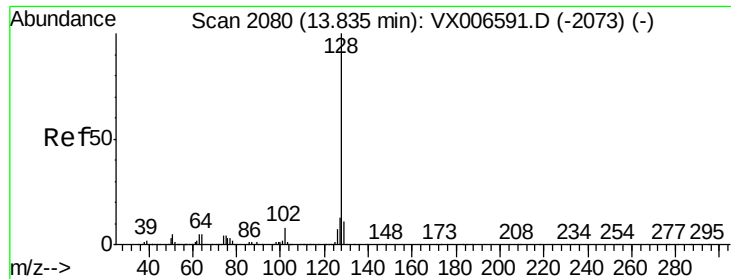


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 0.560 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

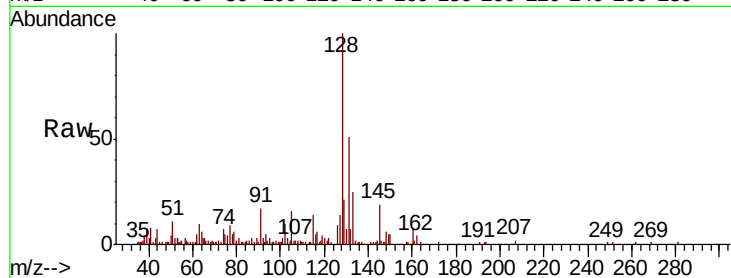
Tot Ion:128 Resp: 18947

Ion Ratio Lower Upper

128 100

127 17.2 10.1 15.1#

129 17.8 8.6 13.0#



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

